

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054121.D
 Acq On : 6 Mar 2019 17:20
 Operator : JC/SP
 Sample : VN0306WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Quant Time: Mar 07 06:38:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	646084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1012437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	381165	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	379783	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.59	113	332763	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1260170	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	409977	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	118093	19.018	ug/l	98
3) Chloromethane	2.05	50	161966	19.940	ug/l	98
4) Vinyl Chloride	2.18	62	159697	18.983	ug/l	100
5) Bromomethane	2.57	94	96866	21.132	ug/l	99
6) Chloroethane	2.71	64	92022	18.046	ug/l	99
7) Trichlorofluoromethane	3.02	101	201034	19.559	ug/l	100
8) Diethyl Ether	3.41	74	75217	18.366	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127641	19.089	ug/l	97
10) Methyl Iodide	3.95	142	138170	19.820	ug/l	100
11) Tert butyl alcohol	4.79	59	46730	98.993	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	120409	19.303	ug/l	95
13) Acrolein	3.60	56	21796	69.402	ug/l	97
14) Allyl chloride	4.32	41	213613	19.005	ug/l	97
15) Acrylonitrile	4.99	53	247927	93.049	ug/l	98
16) Acetone	3.82	43	231681	96.946	ug/l	100
17) Carbon Disulfide	4.05	76	357659	19.232	ug/l	100
18) Methyl Acetate	4.32	43	109101	19.587	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	338985	19.364	ug/l	100
20) Methylene Chloride	4.55	84	140055	19.633	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	129744	18.946	ug/l	98
22) Diisopropyl ether	5.95	45	432796	19.763	ug/l	96
23) Vinyl Acetate	5.90	43	1499058	96.366	ug/l	99
24) 1,1-Dichloroethane	5.85	63	252040	19.236	ug/l	99
25) 2-Butanone	6.84	43	300408	94.479	ug/l	100
26) 2,2-Dichloropropane	6.82	77	185912	19.686	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	147573	19.326	ug/l	99
28) Bromochloromethane	7.19	49	130805	20.002	ug/l	99
29) Tetrahydrofuran	7.21	42	190692	91.499	ug/l	99
30) Chloroform	7.37	83	244427	19.470	ug/l	97
31) Cyclohexane	7.65	56	241938	20.084	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	200028	19.217	ug/l	99
36) 1,1-Dichloropropene	7.79	75	182463	19.201	ug/l	100
37) Ethyl Acetate	6.93	43	130025	19.015	ug/l	100
38) Carbon Tetrachloride	7.77	117	177721	19.590	ug/l	98

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 Sample : VN0306WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 07 06:38:45 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216222	19.715	ug/l	97
40) Benzene	8.04	78	566164	20.138	ug/l	100
41) Methacrylonitrile	7.17	41	53482	15.007	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	177375	19.917	ug/l	100
43) Isopropyl Acetate	8.16	43	211916	19.656	ug/l #	89
44) Trichloroethene	8.83	130	149978	19.894	ug/l	94
45) 1,2-Dichloropropane	9.12	63	157177	20.268	ug/l	100
46) Dibromomethane	9.21	93	87054	19.665	ug/l	98
47) Bromodichloromethane	9.40	83	183536	19.806	ug/l	100
48) Methyl methacrylate	9.20	41	100665	19.251	ug/l	99
49) 1,4-Dioxane	9.20	88	28918	384.700	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	590262	97.294	ug/l	99
52) Toluene	10.16	92	336099	20.178	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	176045	19.261	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	215140	19.916	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	125731	20.045	ug/l	99
56) Ethyl methacrylate	10.43	69	146758	19.931	ug/l	98
57) 1,3-Dichloropropane	10.71	76	214627	20.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	317727	94.275	ug/l	99
59) 2-Hexanone	10.75	43	384920	96.175	ug/l	99
60) Dibromochloromethane	10.90	129	131840	19.658	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115349	19.327	ug/l	98
64) Tetrachloroethene	10.63	164	144342	20.347	ug/l	99
65) Chlorobenzene	11.43	112	357275	19.861	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	127204	19.754	ug/l	99
67) Ethyl Benzene	11.51	91	608513	20.215	ug/l	100
68) m/p-Xylenes	11.62	106	469547	41.334	ug/l	100
69) o-Xylene	11.95	106	225492	20.628	ug/l	99
70) Styrene	11.96	104	355561	20.491	ug/l	100
71) Bromoform	12.13	173	86464	19.509	ug/l #	98
73) Isopropylbenzene	12.25	105	600616	19.804	ug/l	100
74) N-amyl acetate	12.07	43	156088	19.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	144545	20.267	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	175934	27.084	ug/l #	100
77) Bromobenzene	12.53	156	144092	20.077	ug/l	98
78) n-propylbenzene	12.59	91	703842	20.624	ug/l	100
79) 2-Chlorotoluene	12.67	91	411475	19.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507059	20.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35905	18.982	ug/l	97
82) 4-Chlorotoluene	12.77	91	407371	19.715	ug/l	100
83) tert-Butylbenzene	12.99	119	444498	20.358	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	502760	20.546	ug/l	99
85) sec-Butylbenzene	13.17	105	611308	20.632	ug/l	100
86) p-Isopropyltoluene	13.29	119	516590	20.739	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	257251	19.382	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251383	19.084	ug/l	99
89) n-Butylbenzene	13.61	91	423591	20.141	ug/l	99
90) Hexachloroethane	13.87	117	90526	18.948	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	250207	20.276	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20405	18.439	ug/l	95

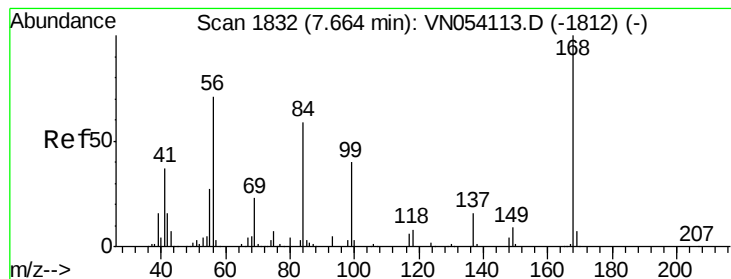
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117940	18.699	ug/l	98
94) Hexachlorobutadiene	15.01	225	93972	22.464	ug/l	98
95) Naphthalene	15.13	128	221866	18.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	119180	20.337	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

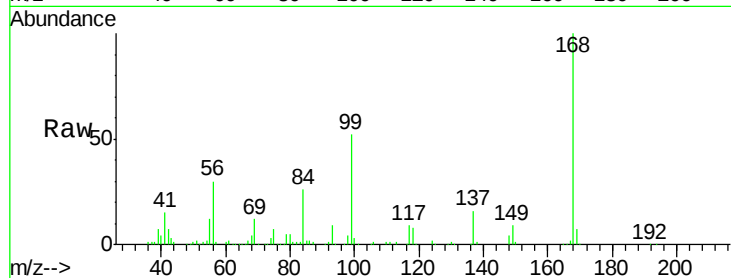
VN0306WBS01

Tgt Ion:168 Resp: 646084

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

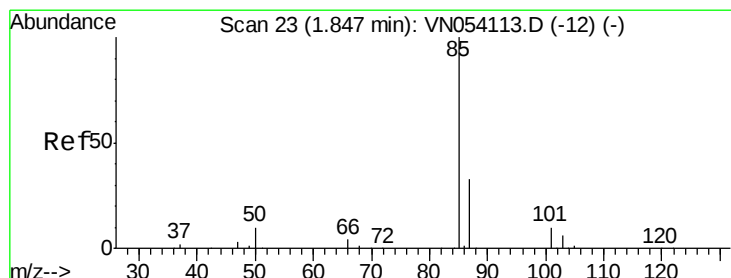
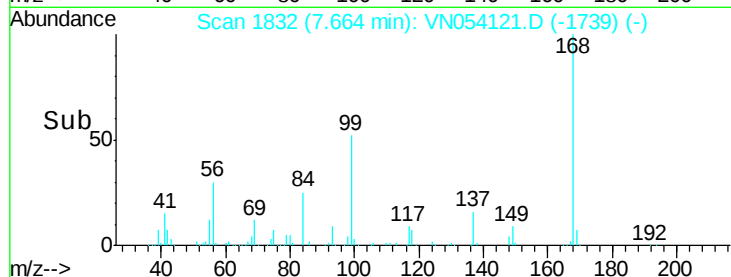
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.018 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054121.D

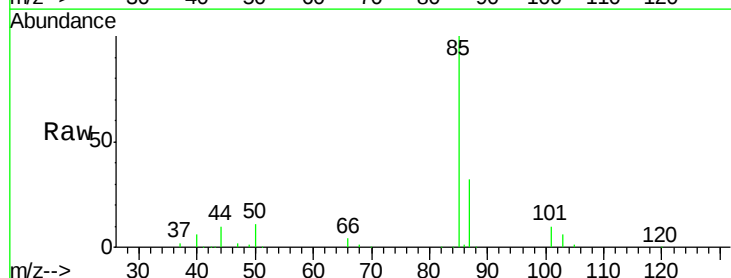
Acq: 6 Mar 2019 17:20

Tgt Ion: 85 Resp: 118093

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

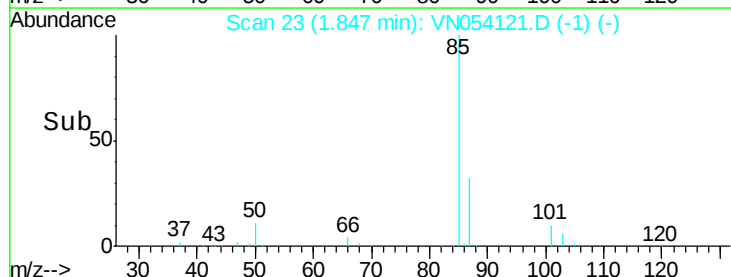
40000

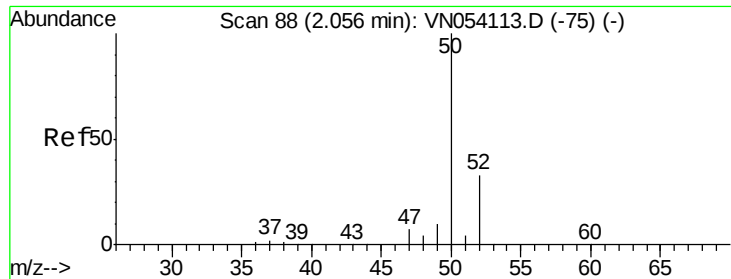
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.940 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

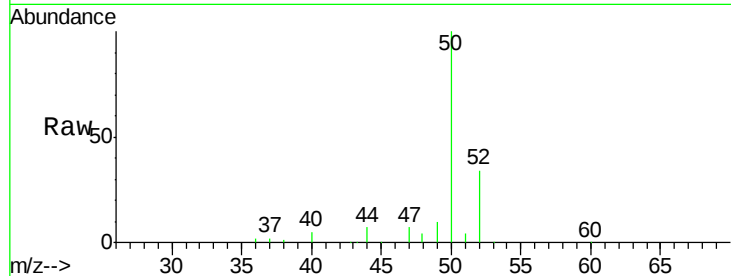
VN0306WBS01

Tgt Ion: 50 Resp: 161966

Ion Ratio Lower Upper

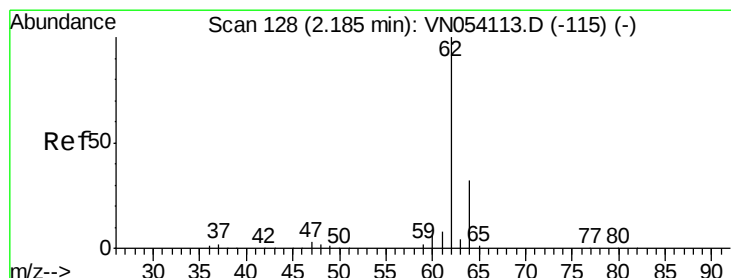
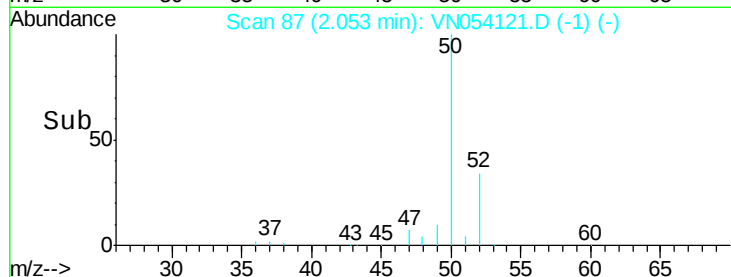
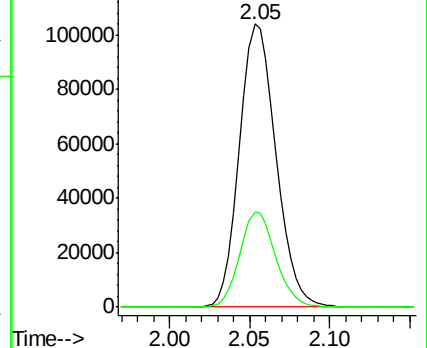
50 100

52 33.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.983 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054121.D

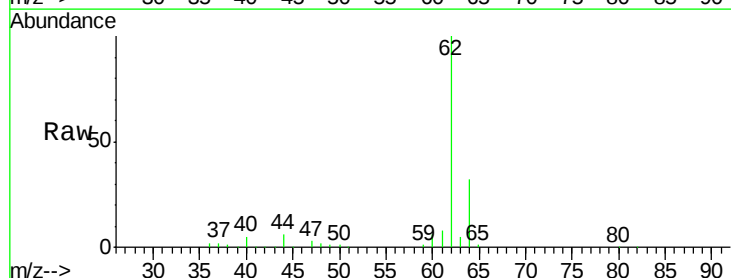
Acq: 6 Mar 2019 17:20

Tgt Ion: 62 Resp: 159697

Ion Ratio Lower Upper

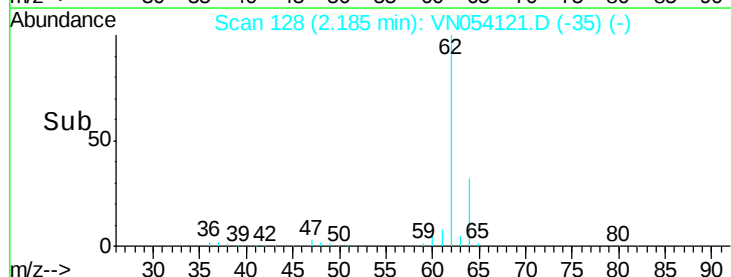
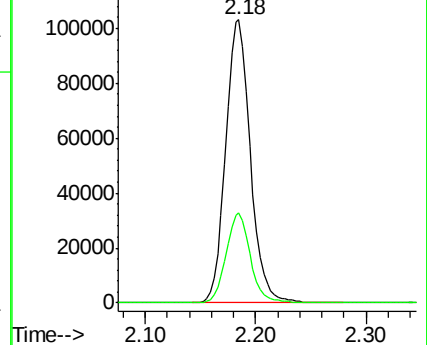
62 100

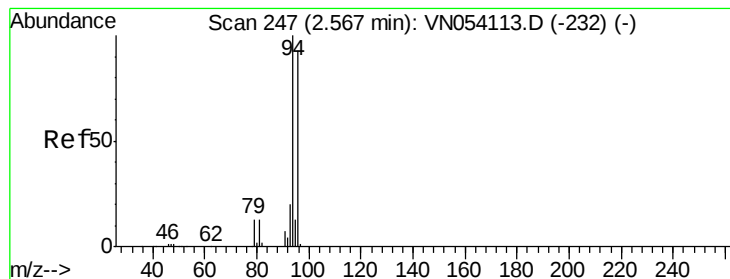
64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.132 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

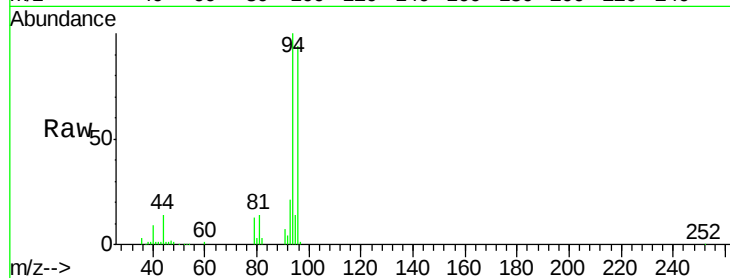
VN0306WBS01

Tgt Ion: 94 Resp: 96866

Ion Ratio Lower Upper

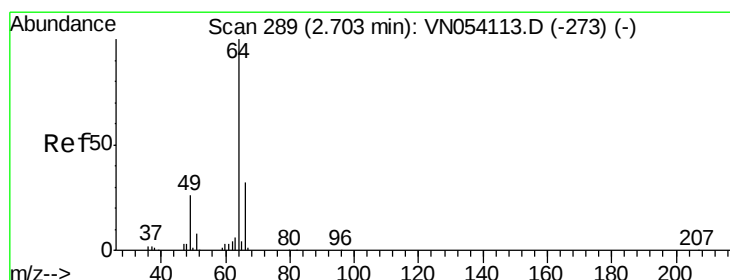
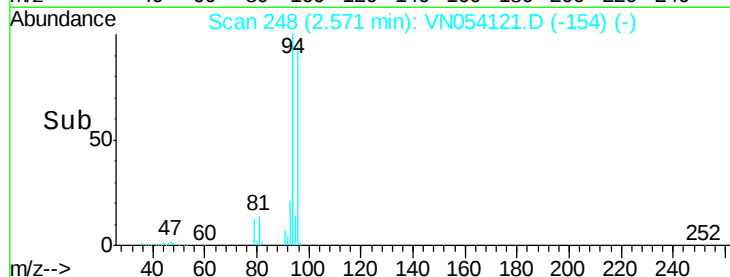
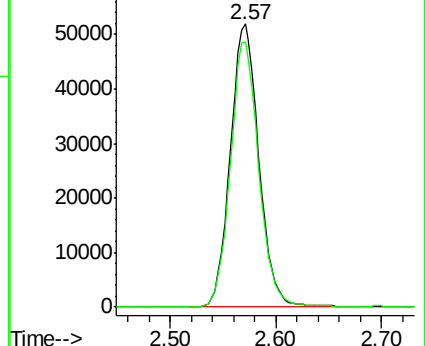
94 100

96 93.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.046 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054121.D

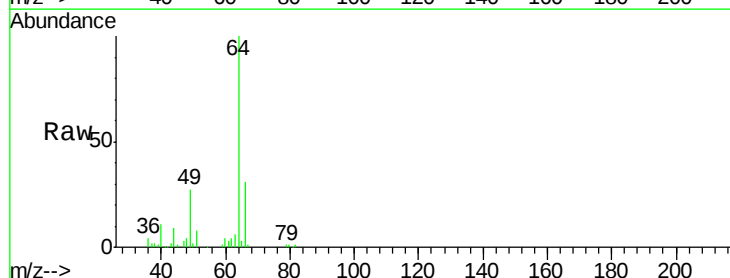
Acq: 6 Mar 2019 17:20

Tgt Ion: 64 Resp: 92022

Ion Ratio Lower Upper

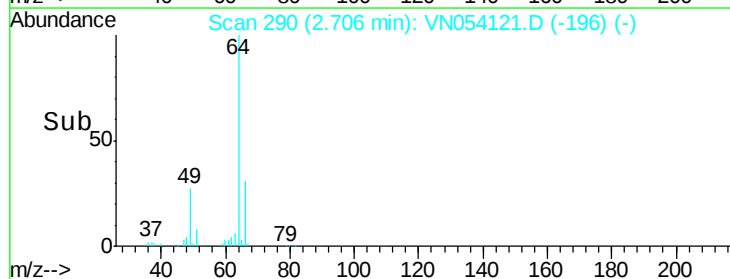
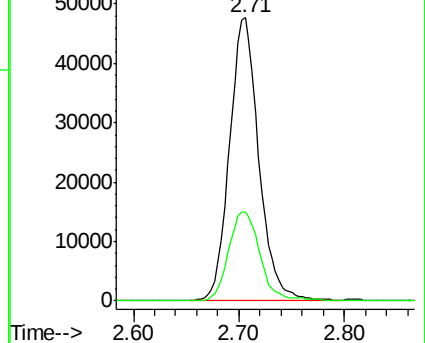
64 100

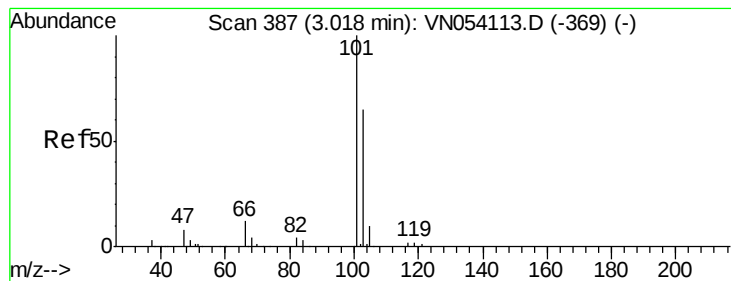
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



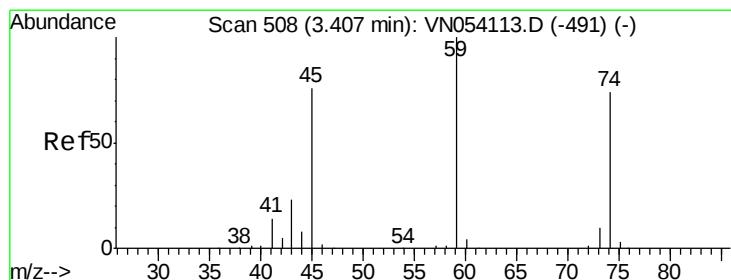
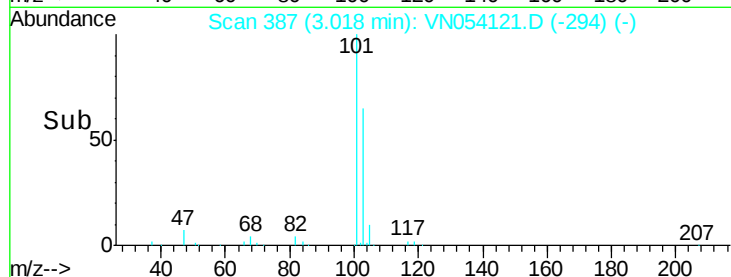
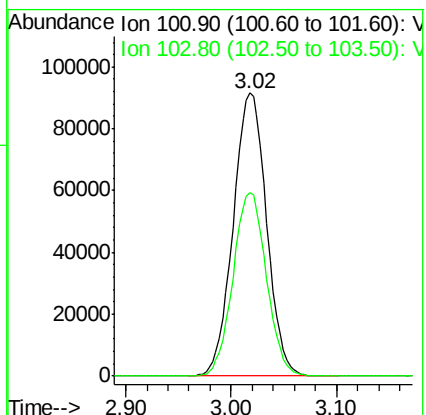
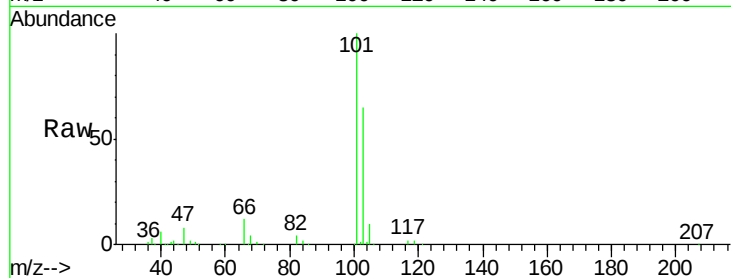


#7

Trichlorofluoromethane
Concen: 19.559 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

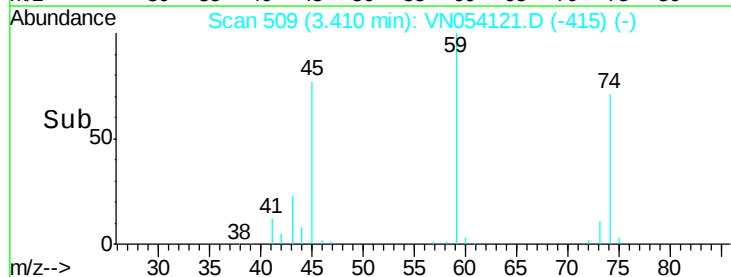
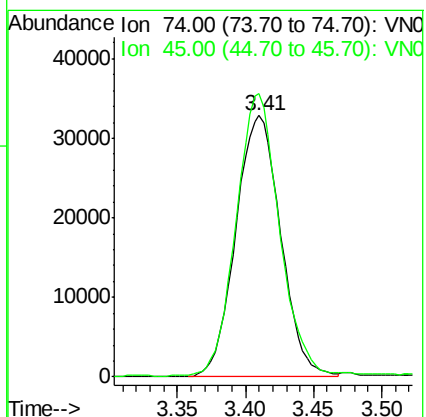
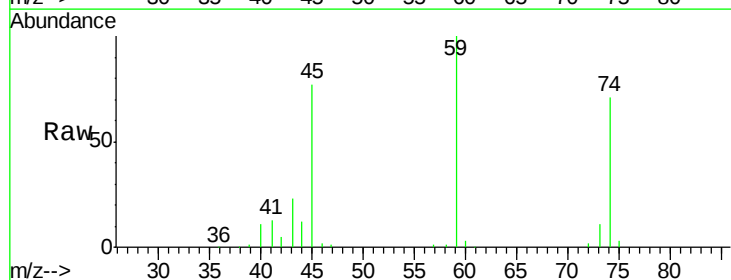
Tgt Ion:101 Resp: 201034
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

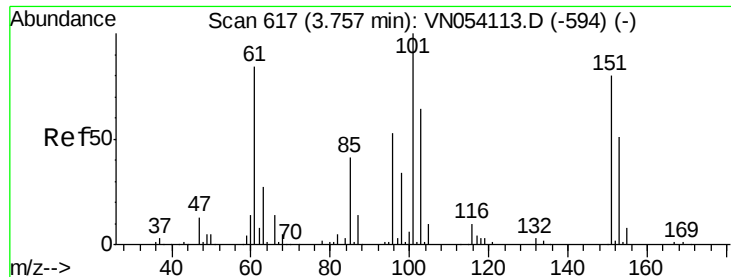


#8

Diethyl Ether
Concen: 18.366 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 74 Resp: 75217
Ion Ratio Lower Upper
74 100
45 106.1 51.7 155.2

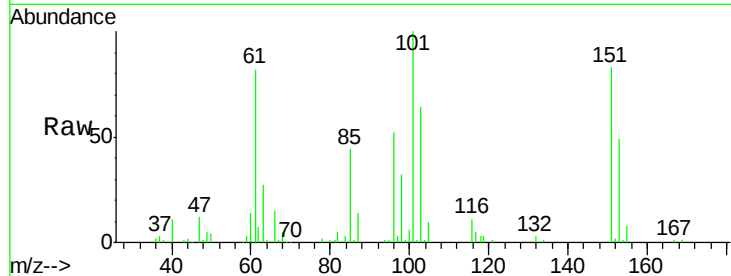




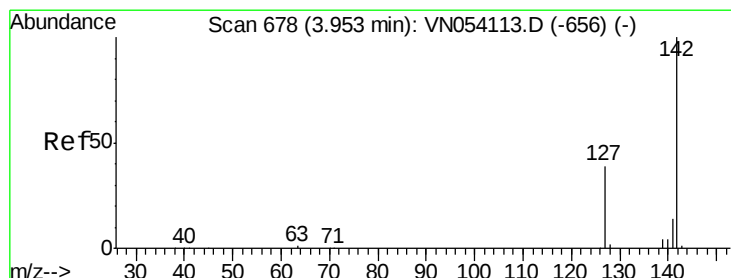
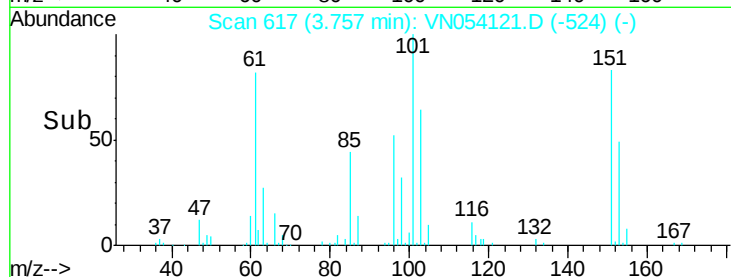
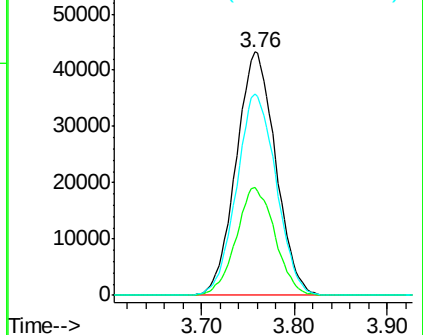
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.089 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tgt Ion:101 Resp: 127641
 Ion Ratio Lower Upper
 101 100
 85 43.5 33.1 49.7
 151 83.3 64.3 96.5

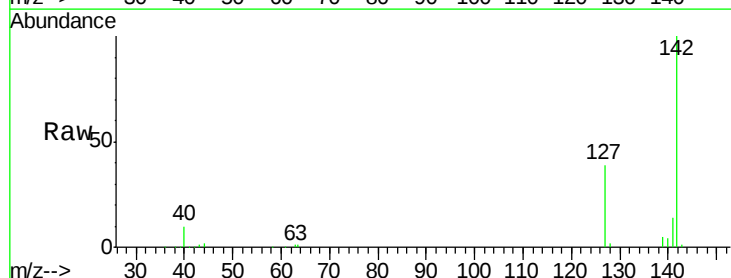


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

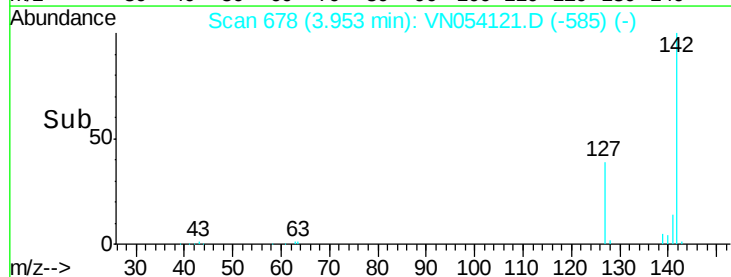
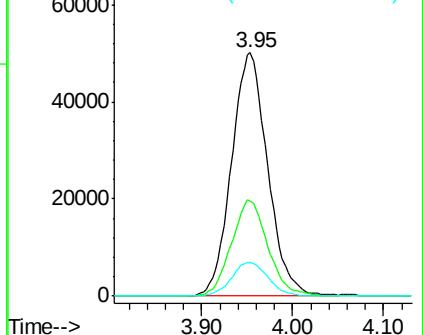


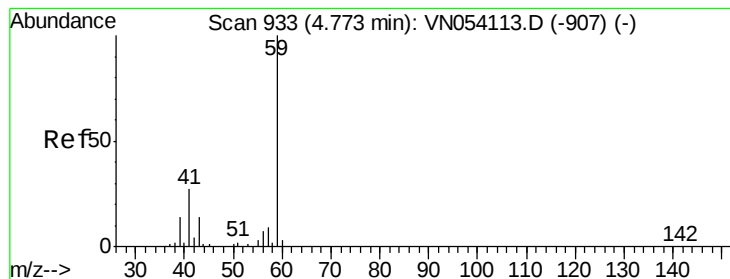
#10
 Methyl Iodide
 Concen: 19.820 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion:142 Resp: 138170
 Ion Ratio Lower Upper
 142 100
 127 39.8 31.9 47.9
 141 13.9 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.993 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

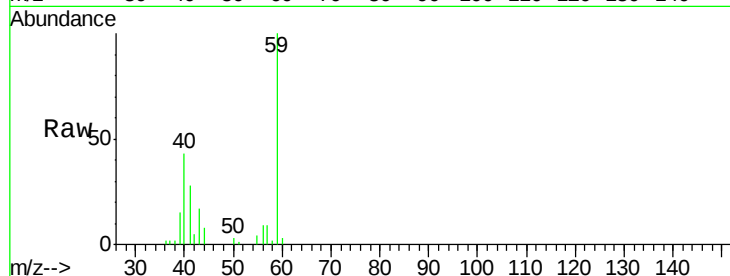
VN0306WBS01

Tgt Ion: 59 Resp: 46730

Ion Ratio Lower Upper

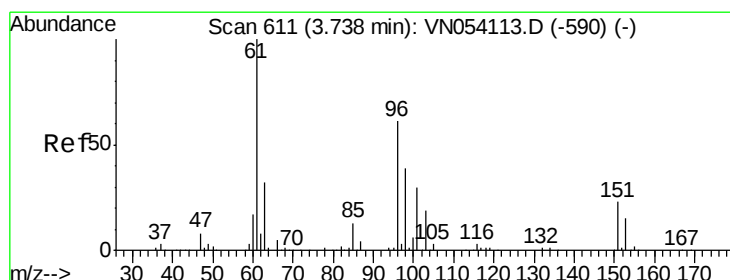
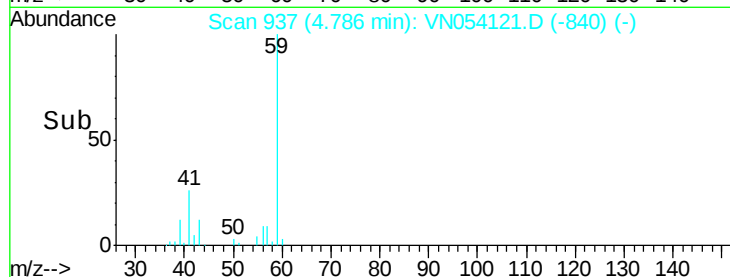
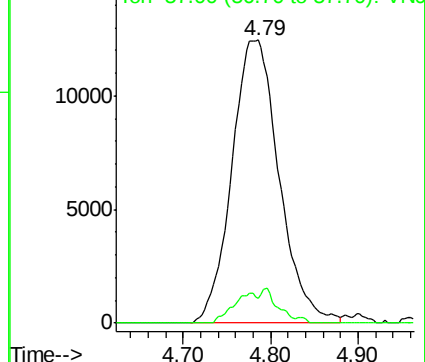
59 100

57 5.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.303 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

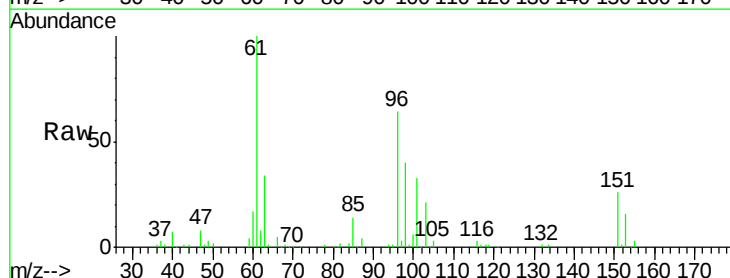
Tgt Ion: 96 Resp: 120409

Ion Ratio Lower Upper

96 100

61 156.5 131.2 196.8

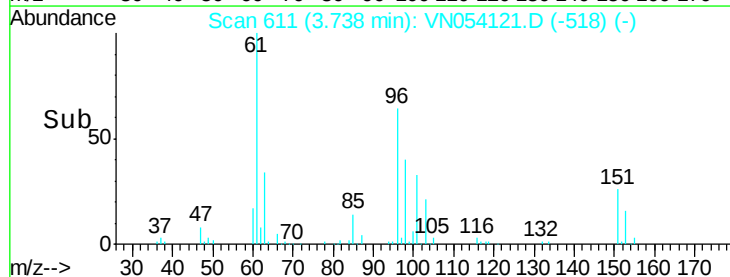
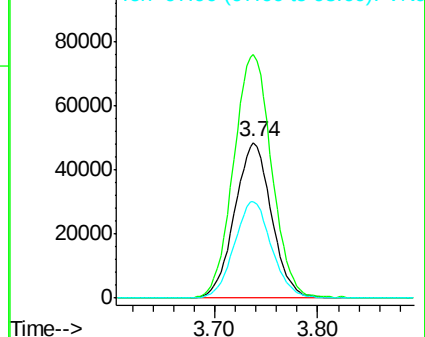
98 62.0 50.7 76.1

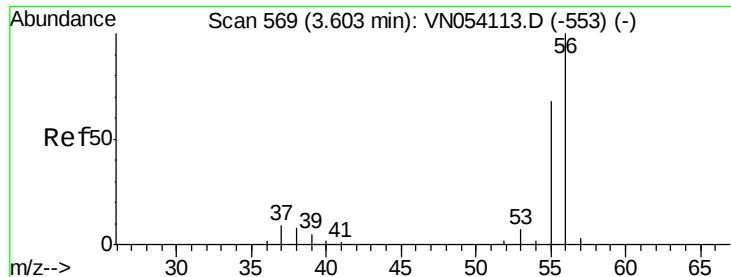


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 69.402 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

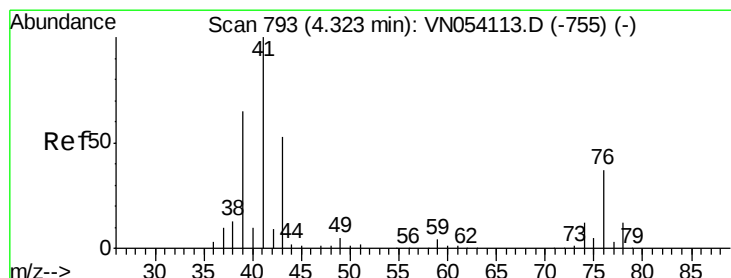
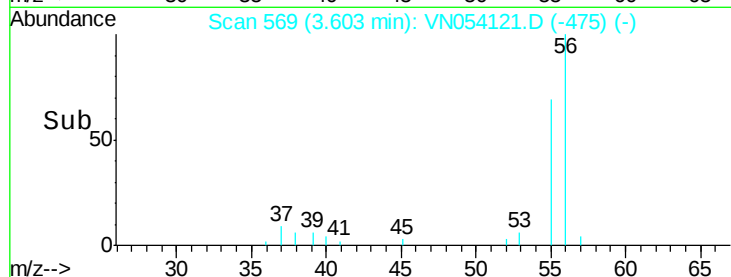
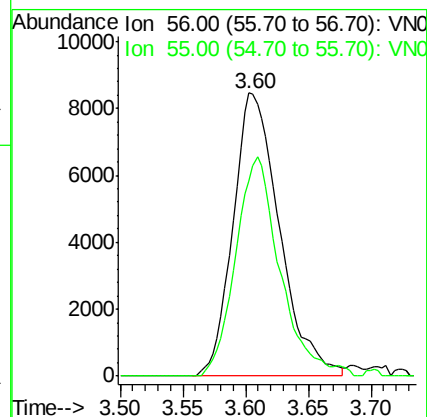
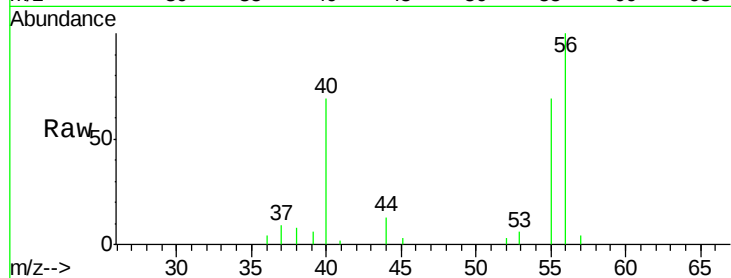
VN0306WBS01

Tgt Ion: 56 Resp: 21796

Ion Ratio Lower Upper

56 100

55 73.9 57.1 85.7



#14

Allyl chloride

Concen: 19.005 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

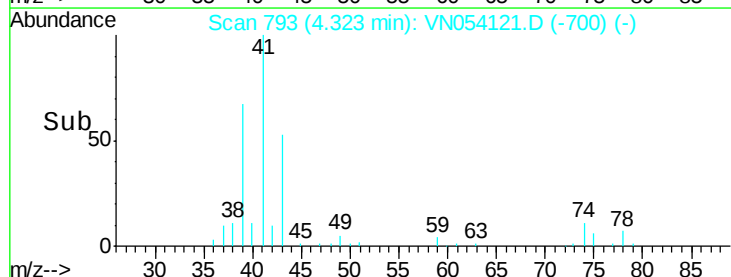
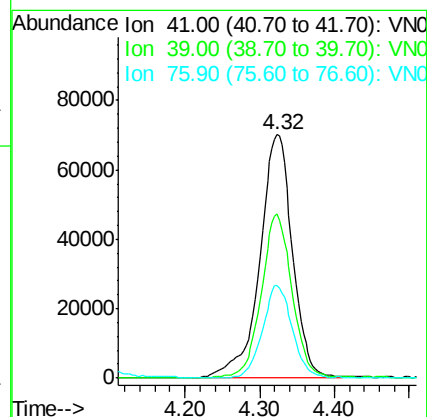
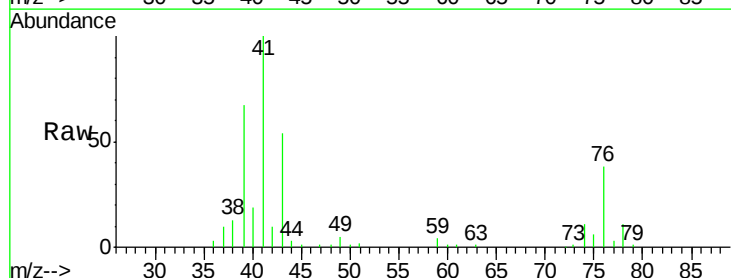
Tgt Ion: 41 Resp: 213613

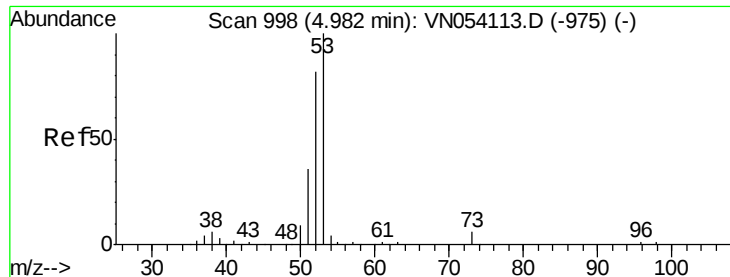
Ion Ratio Lower Upper

41 100

39 63.6 49.3 73.9

76 34.5 26.5 39.7





#15

Acrylonitrile

Concen: 93.049 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

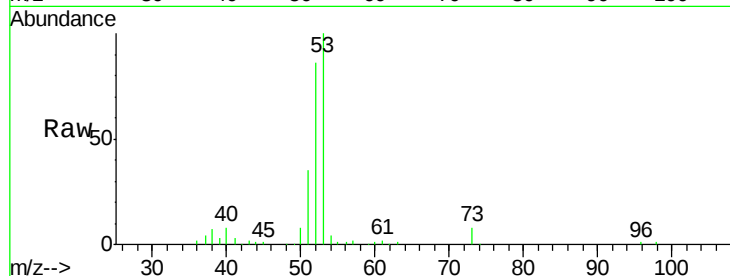
Tgt Ion: 53 Resp: 247927

Ion Ratio Lower Upper

53 100

52 83.0 64.6 97.0

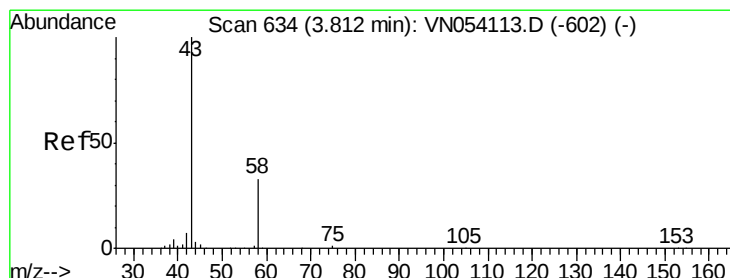
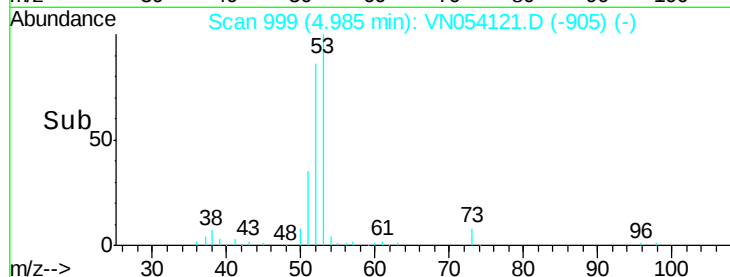
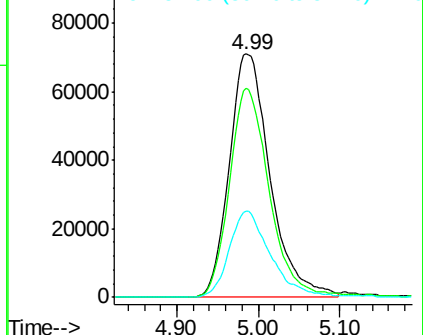
51 35.8 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.946 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054121.D

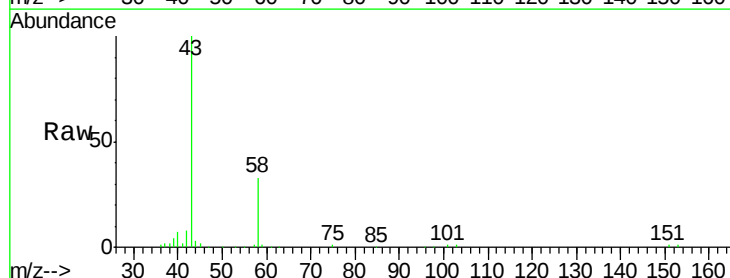
Acq: 6 Mar 2019 17:20

Tgt Ion: 43 Resp: 231681

Ion Ratio Lower Upper

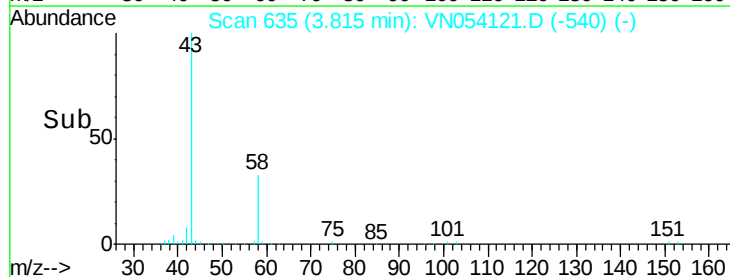
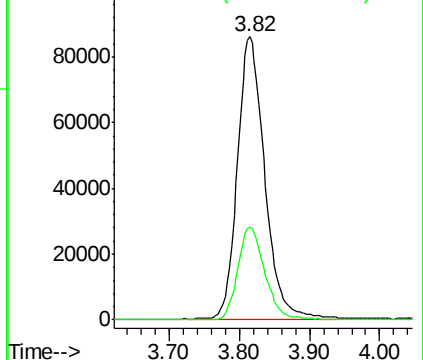
43 100

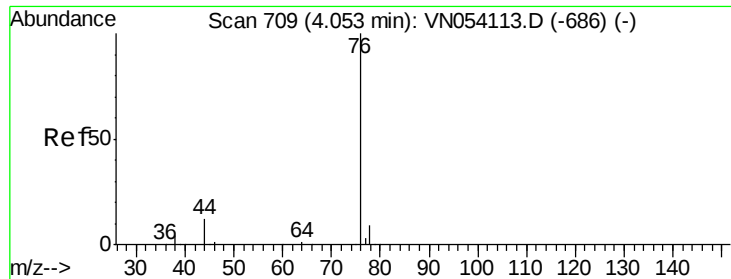
58 32.9 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

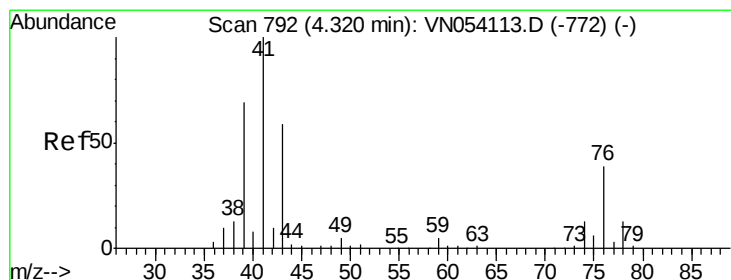
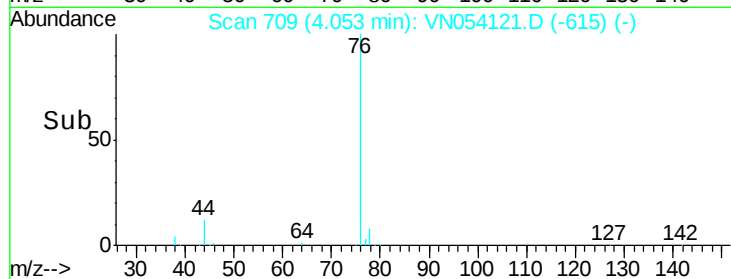
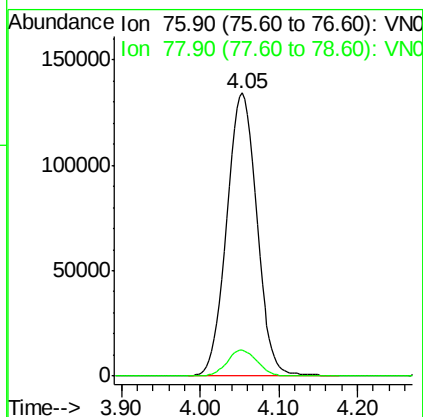
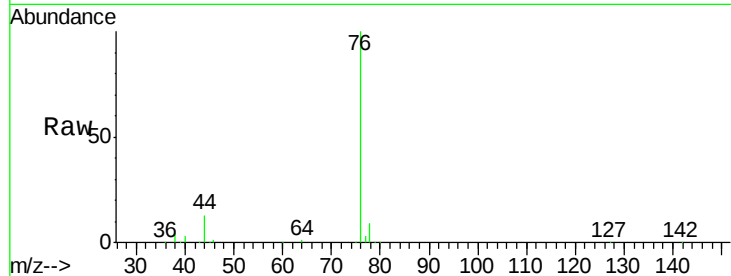




#17
Carbon Disulfide
Concen: 19.232 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

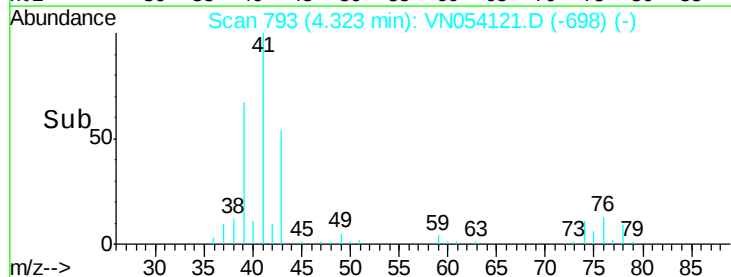
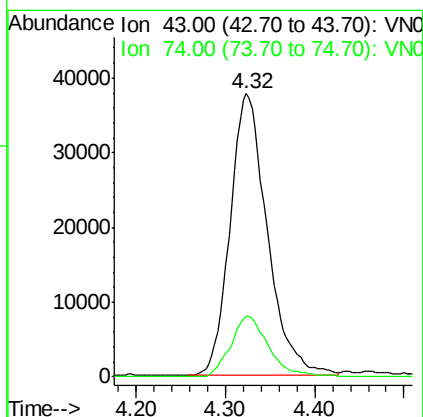
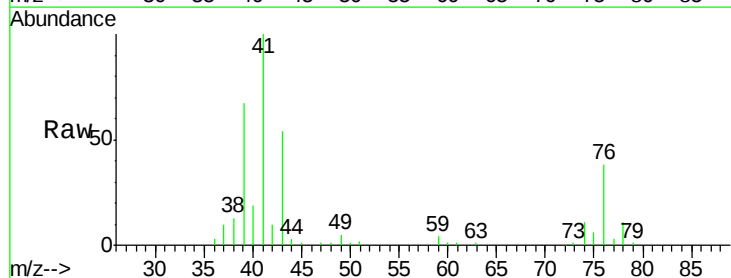
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

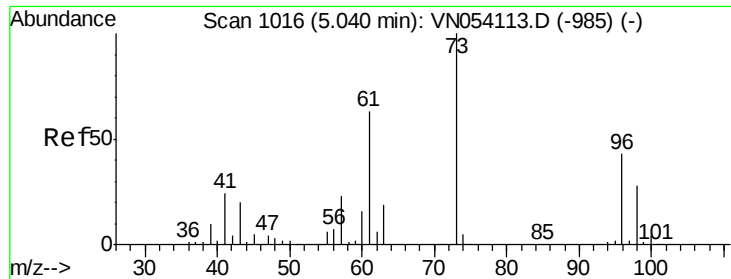
Tgt Ion: 76 Resp: 357659
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 19.587 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 43 Resp: 109101
Ion Ratio Lower Upper
43 100
74 21.8 18.2 27.2

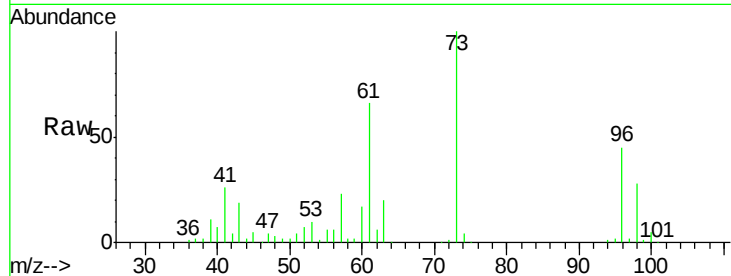




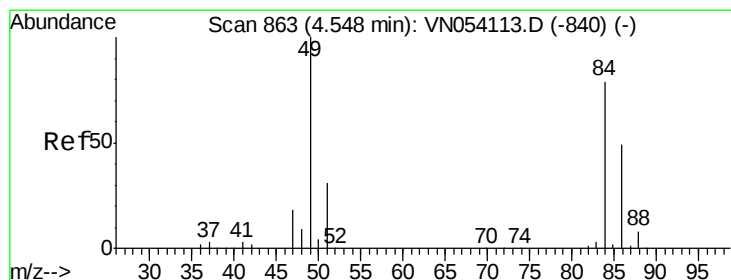
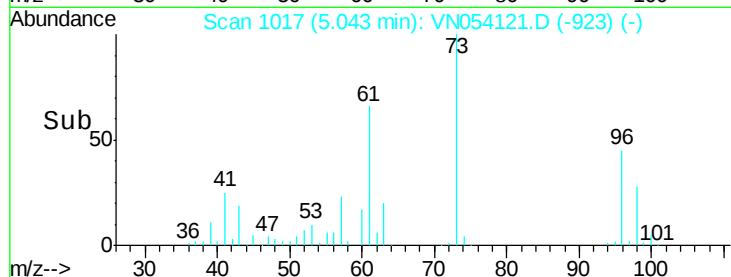
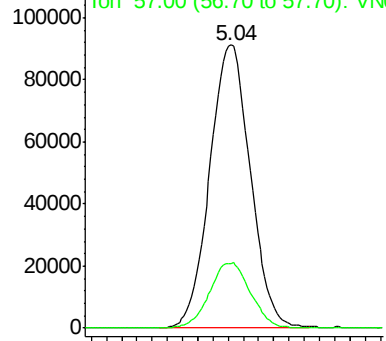
#19
Methyl tert-butyl Ether
Concen: 19.364 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tgt Ion: 73 Resp: 338985
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

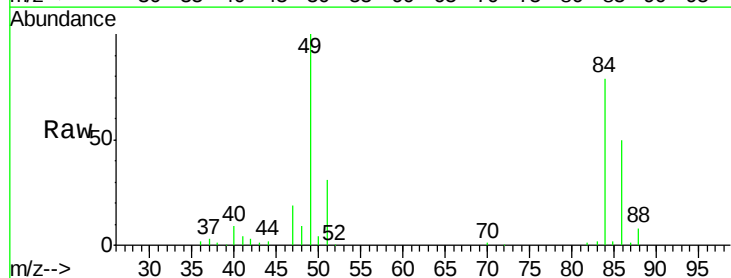


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

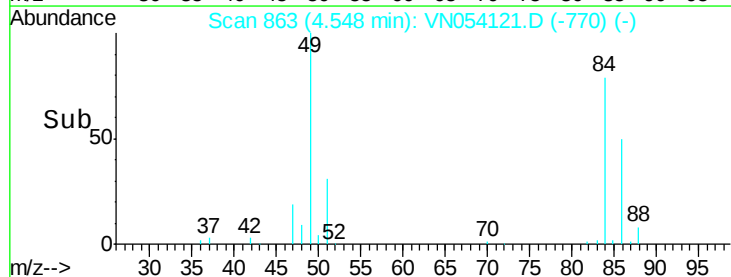
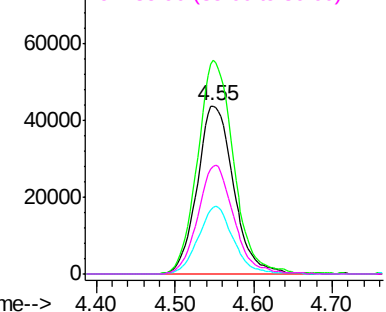


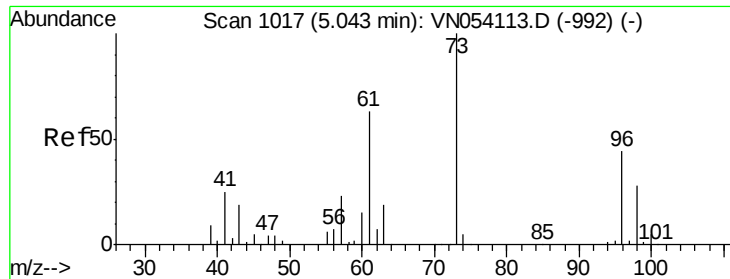
#20
Methylene Chloride
Concen: 19.633 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 84 Resp: 140055
Ion Ratio Lower Upper
84 100
49 126.9 101.8 152.8
51 39.8 31.1 46.7
86 64.0 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 18.946 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

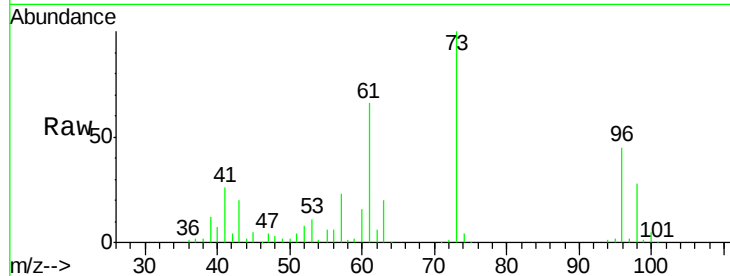
Tgt Ion: 96 Resp: 129744

Ion Ratio Lower Upper

96 100

61 145.8 114.8 172.2

98 62.4 51.4 77.0

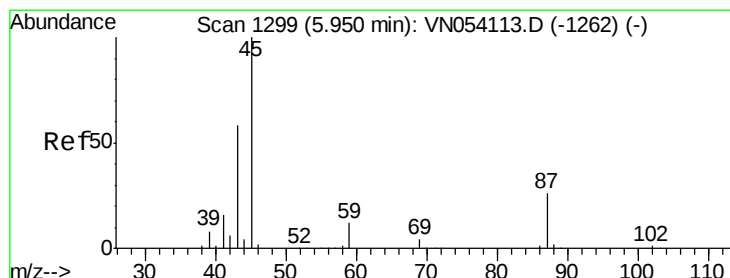
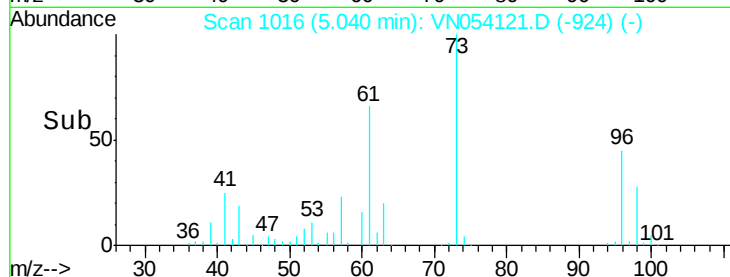
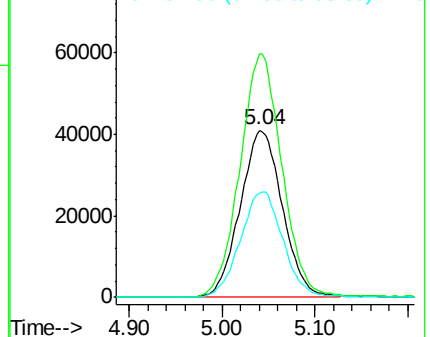


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.763 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Tgt Ion: 45 Resp: 432796

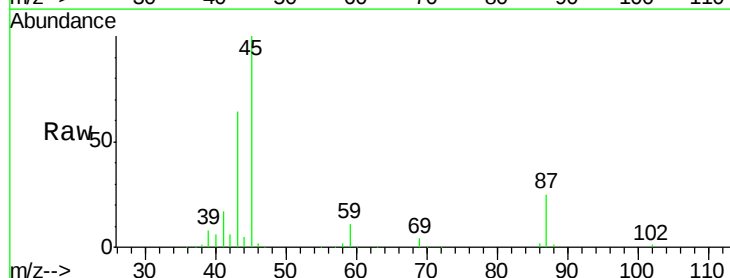
Ion Ratio Lower Upper

45 100

43 61.1 46.2 69.4

87 24.5 20.6 31.0

59 10.5 9.4 14.0



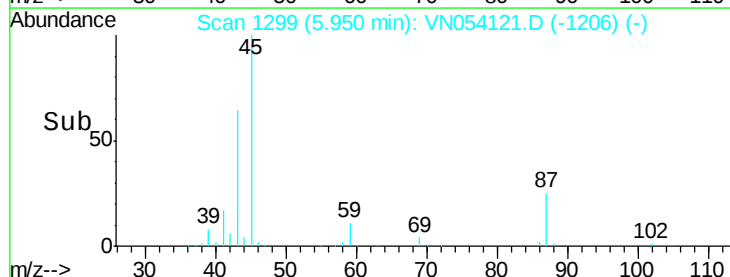
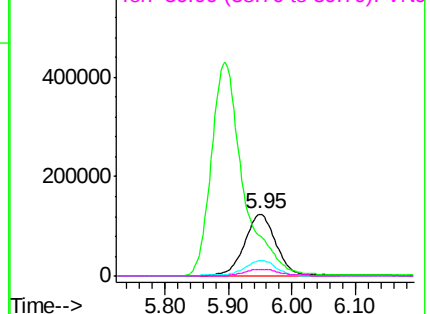
Abundance

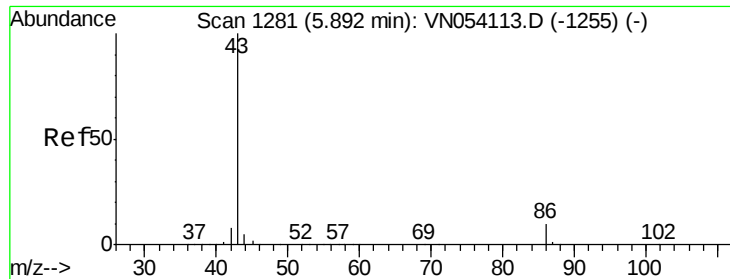
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

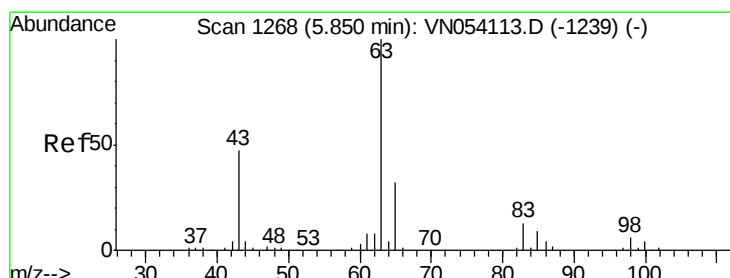
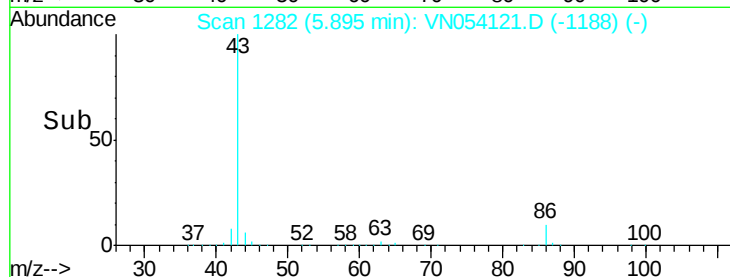
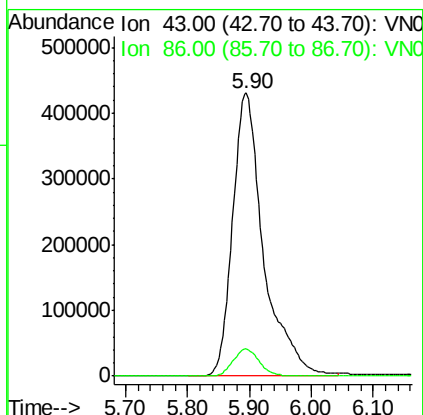
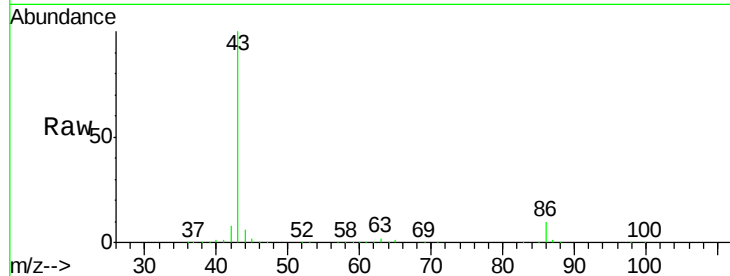




#23
 Vinyl Acetate
 Concen: 96.366 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

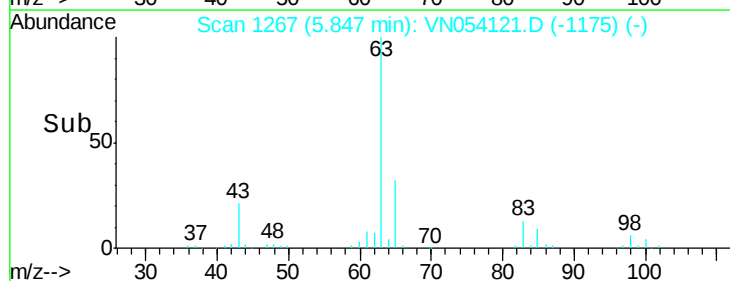
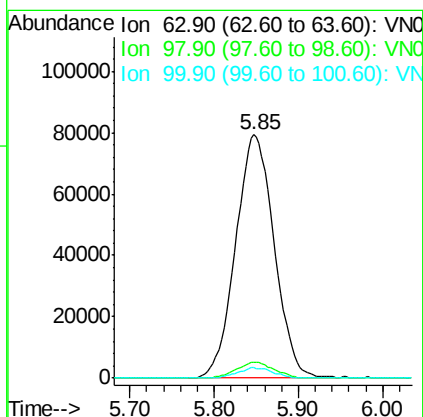
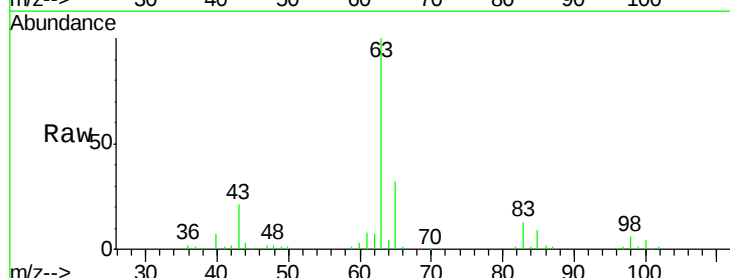
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

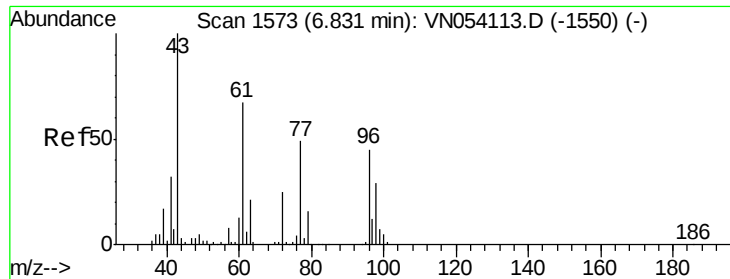
Tgt Ion: 43 Resp: 1499058
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.236 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 63 Resp: 252040
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.3 2.0 6.0

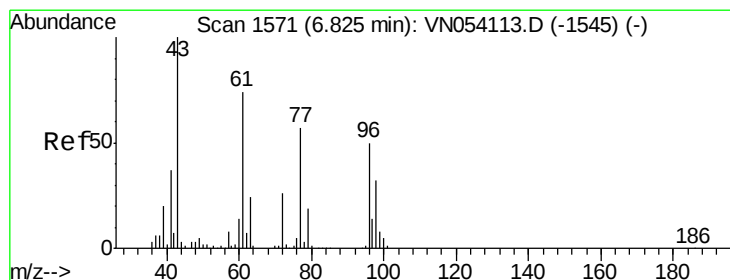
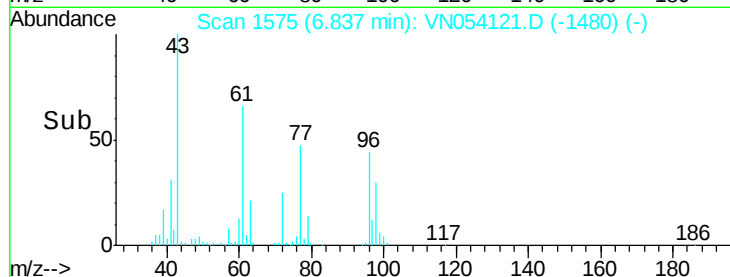
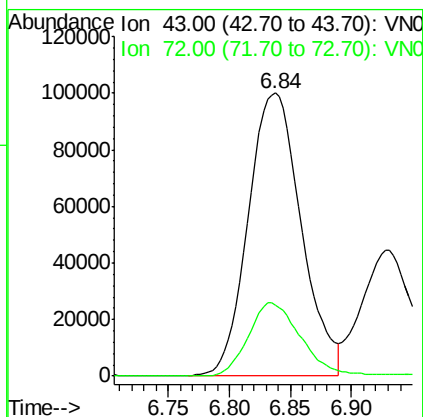
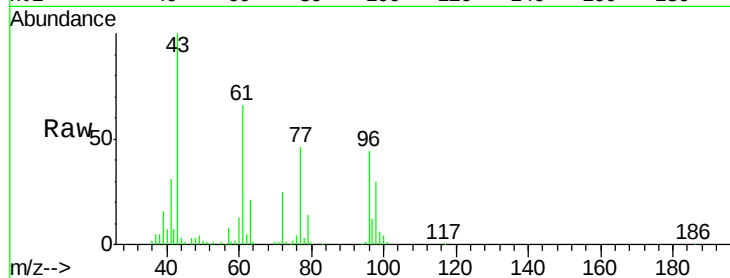




#25
 2-Butanone
 Concen: 94.479 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

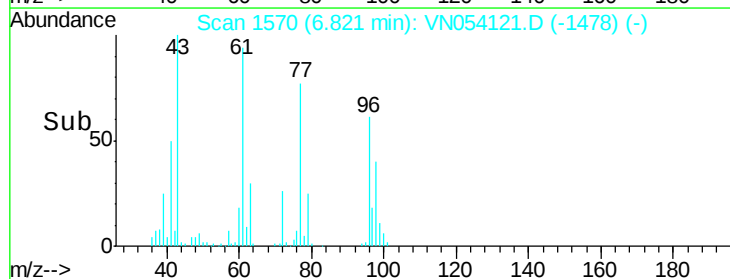
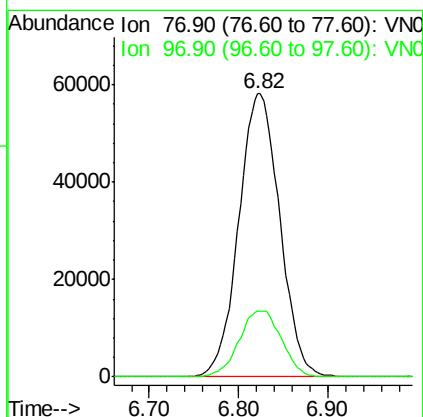
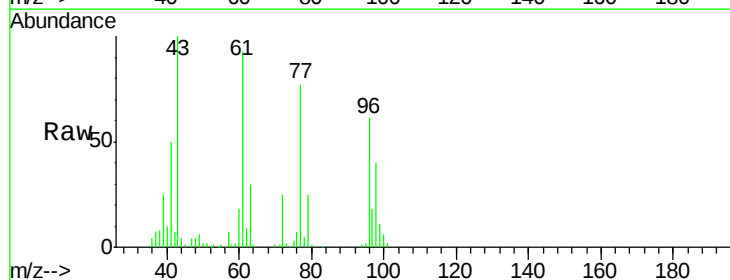
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

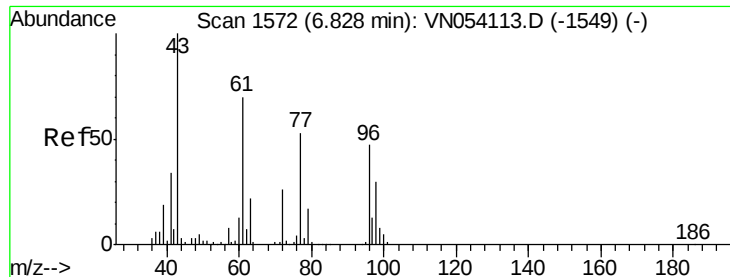
Tgt Ion: 43 Resp: 300408
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 19.686 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 77 Resp: 185912
 Ion Ratio Lower Upper
 77 100
 97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.326 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

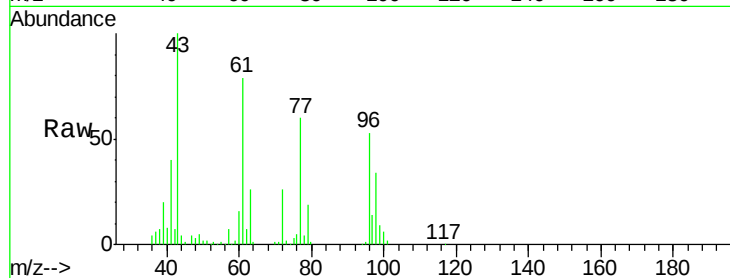
Tgt Ion: 96 Resp: 147573

Ion Ratio Lower Upper

96 100

61 150.2 0.0 297.0

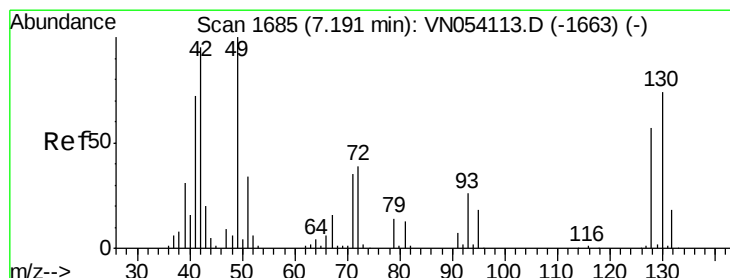
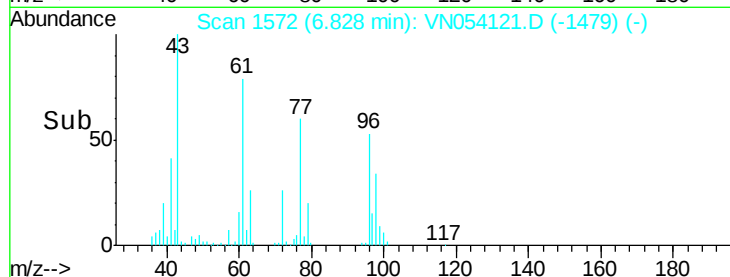
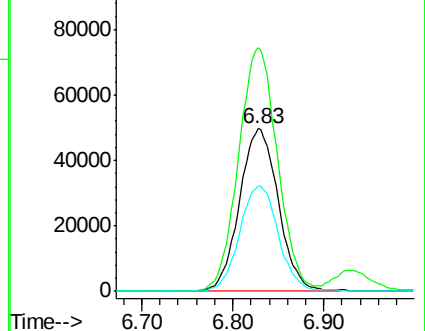
98 64.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.002 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

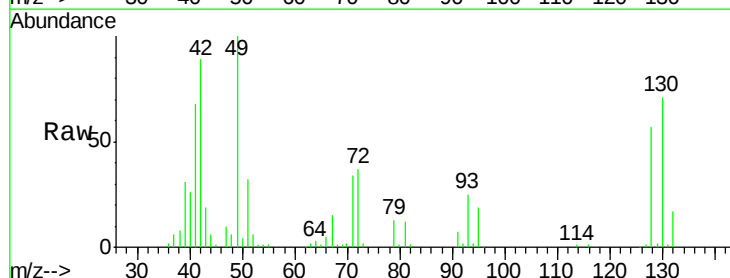
Tgt Ion: 49 Resp: 130805

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

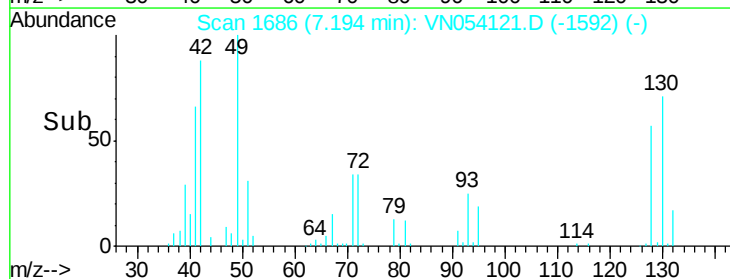
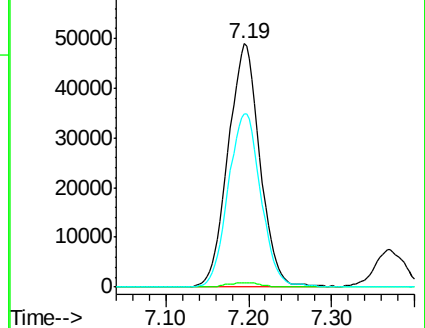
130 73.1 59.4 89.2

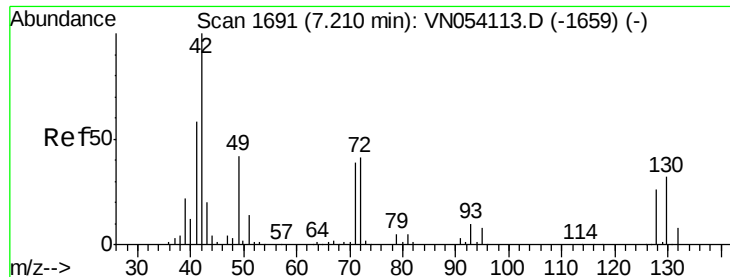


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 91.499 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

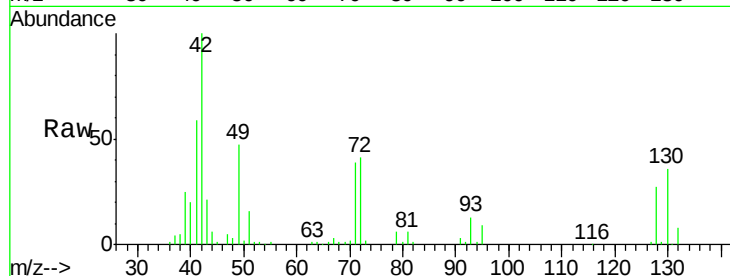
Tgt Ion: 42 Resp: 190692

Ion Ratio Lower Upper

42 100

72 41.7 32.8 49.2

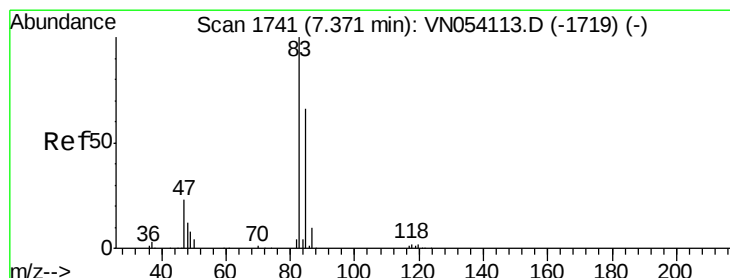
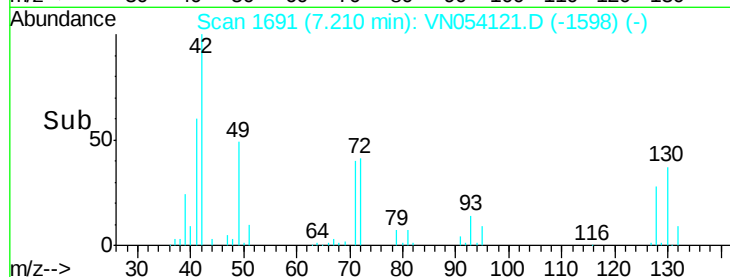
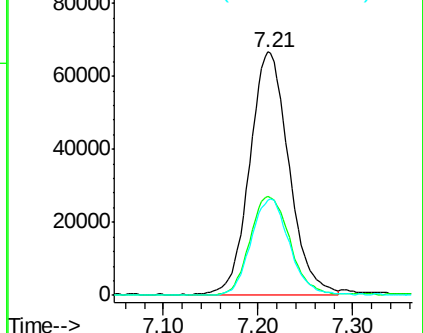
71 39.0 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.470 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN054121.D

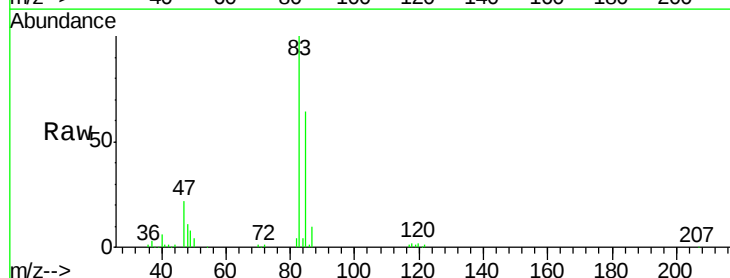
Acq: 6 Mar 2019 17:20

Tgt Ion: 83 Resp: 244427

Ion Ratio Lower Upper

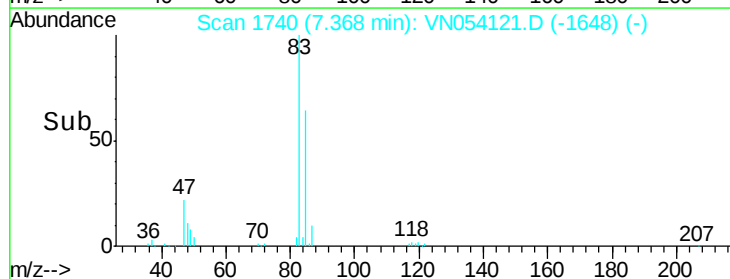
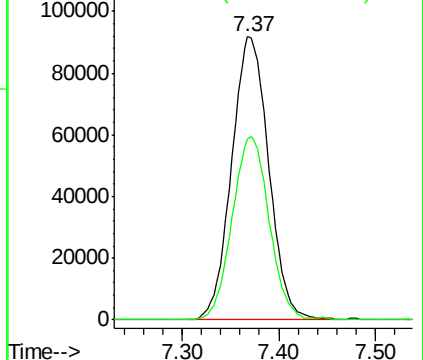
83 100

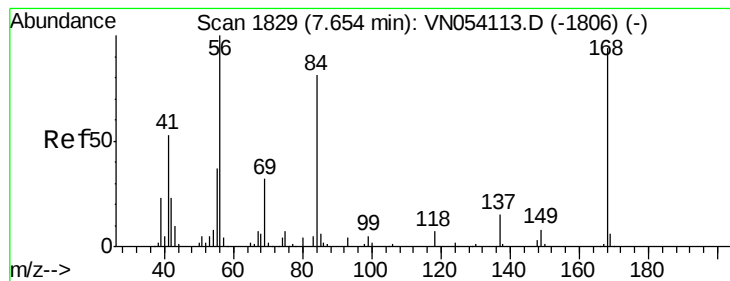
85 63.9 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.084 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

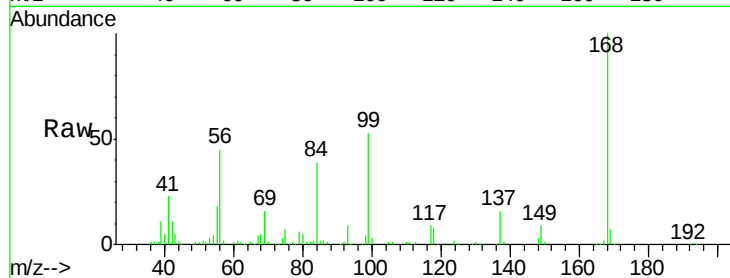
Tgt Ion: 56 Resp: 241938

Ion Ratio Lower Upper

56 100

69 35.0 25.5 38.3

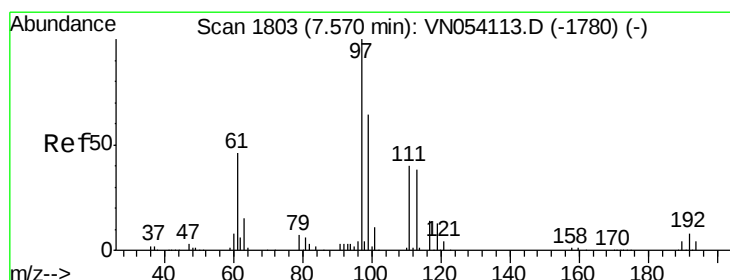
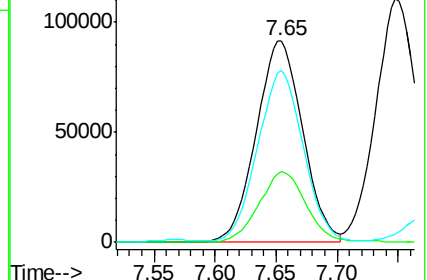
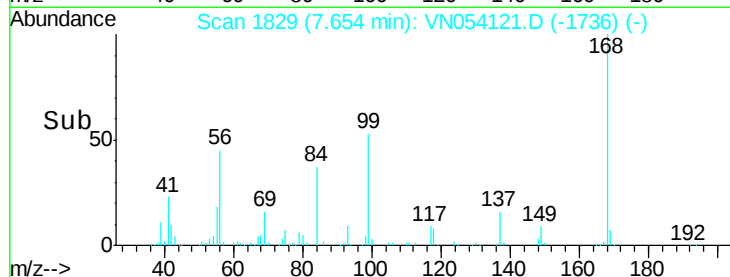
84 84.2 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.217 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

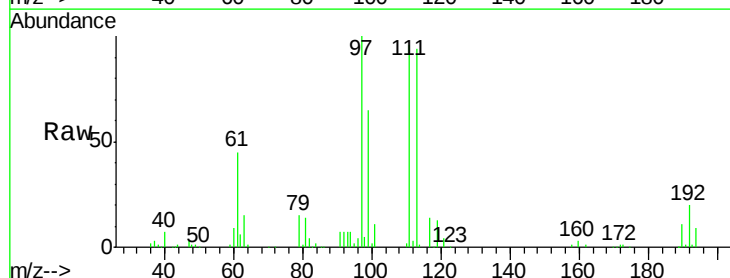
Tgt Ion: 97 Resp: 200028

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

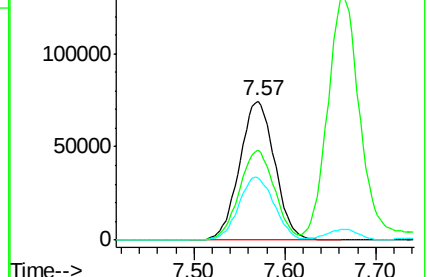
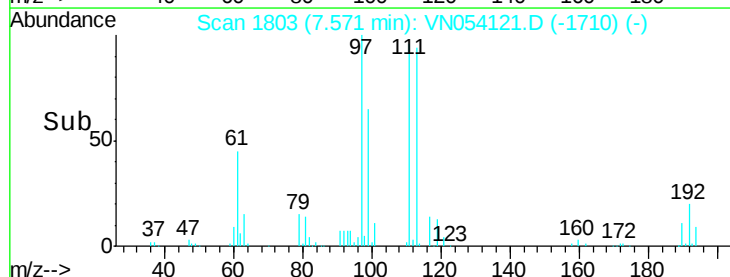
61 45.7 37.1 55.7

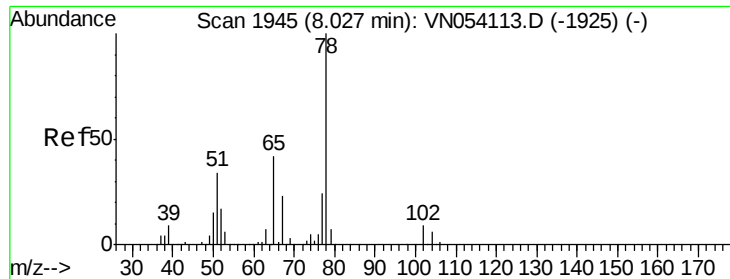


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.946 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

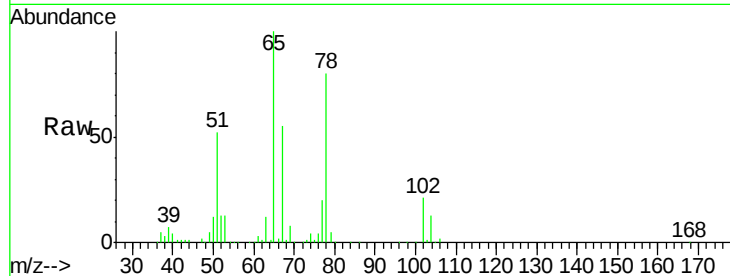
VN0306WBS01

Tgt Ion: 65 Resp: 379783

Ion Ratio Lower Upper

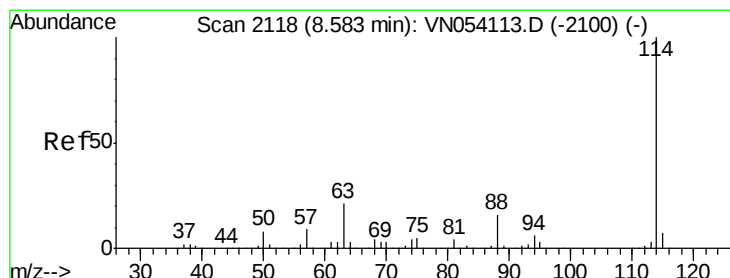
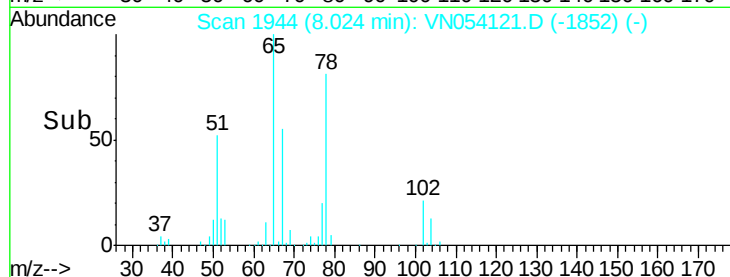
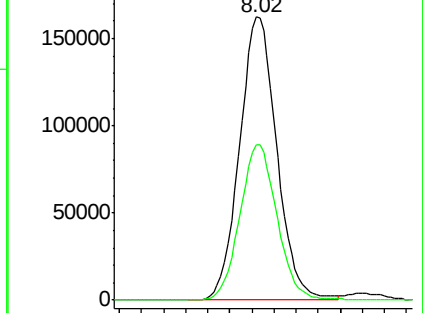
65 100

67 55.0 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

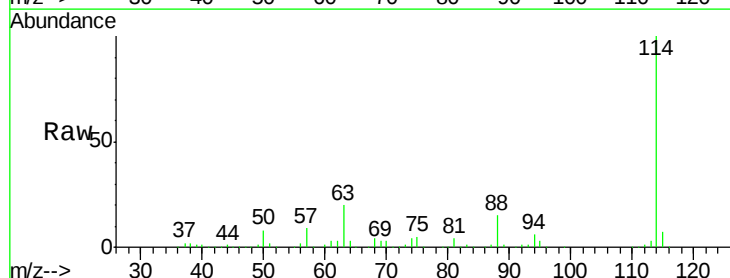
Tgt Ion: 114 Resp: 1012437

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

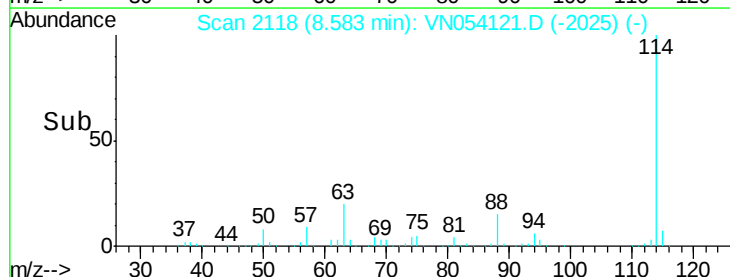
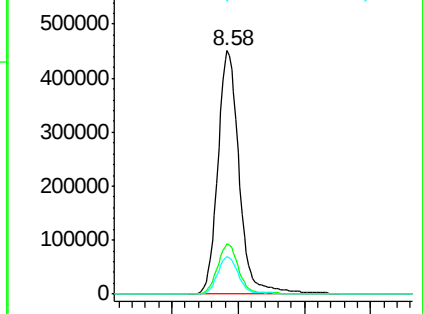
88 15.3 0.0 31.8

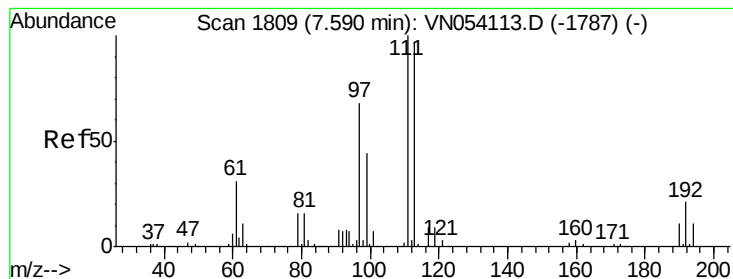


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.606 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

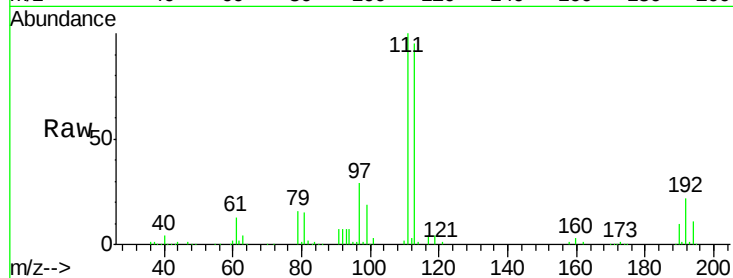
Tgt Ion:113 Resp: 332763

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

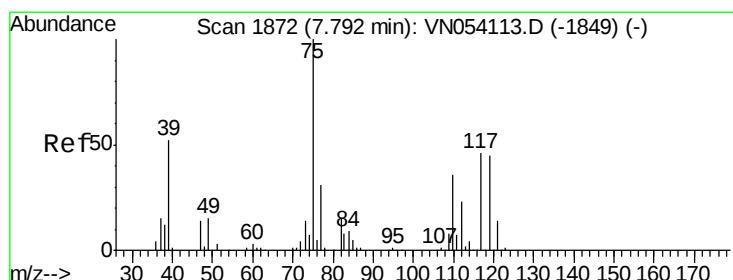
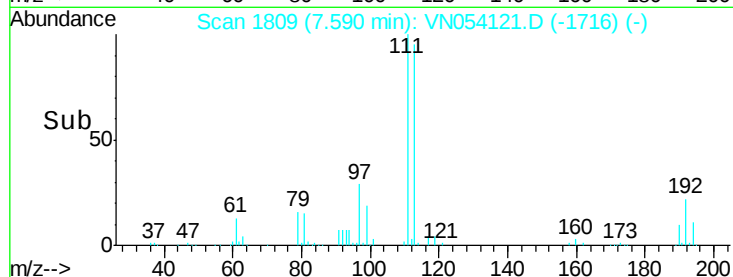
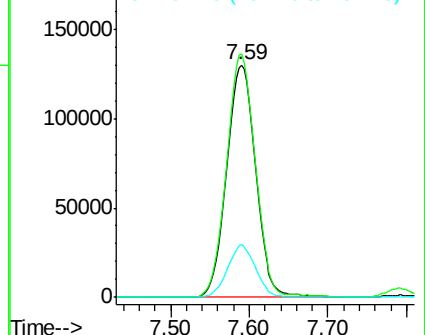
192 21.8 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.201 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

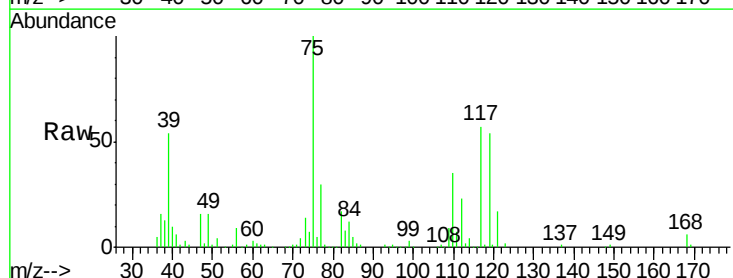
Tgt Ion: 75 Resp: 182463

Ion Ratio Lower Upper

75 100

110 35.9 18.0 54.0

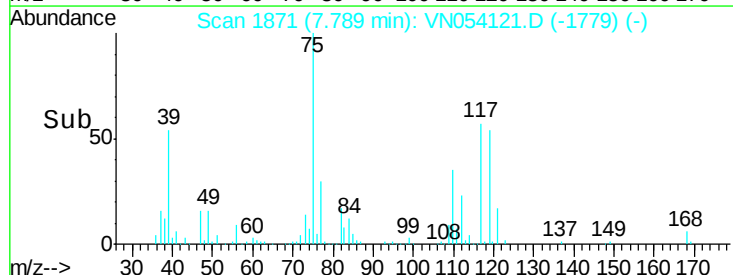
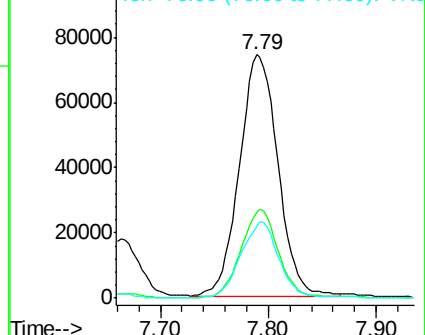
77 31.5 25.3 37.9

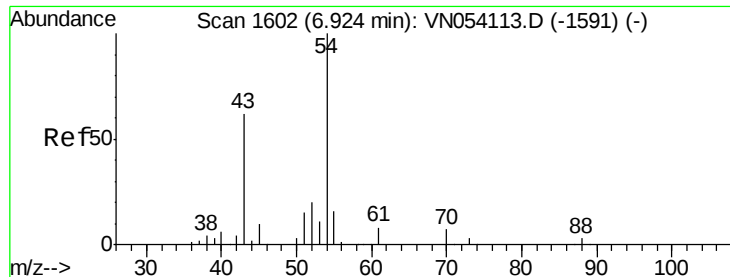


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

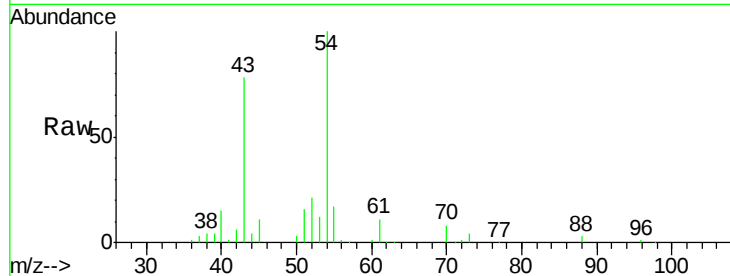




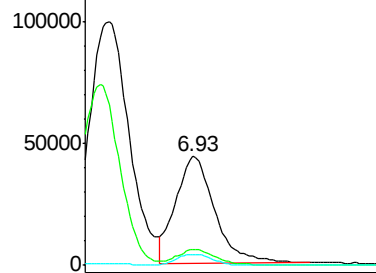
#37
Ethyl Acetate
Concen: 19.015 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

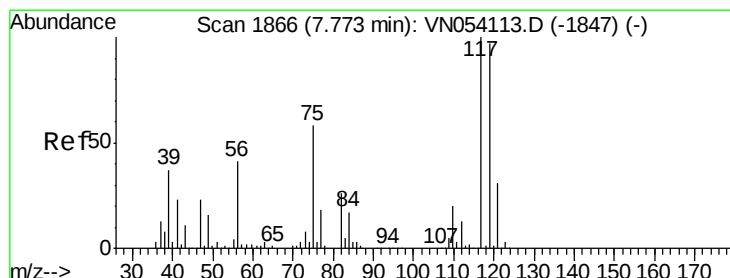
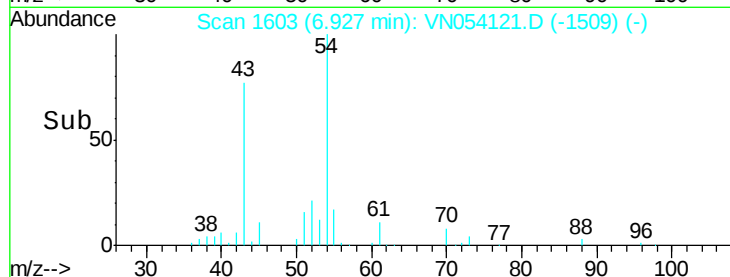
Tgt Ion: 43 Resp: 130025
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

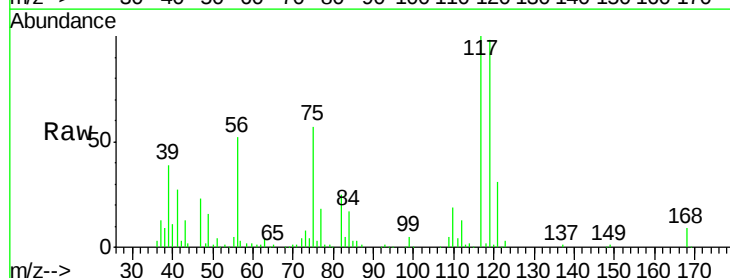


Time-->

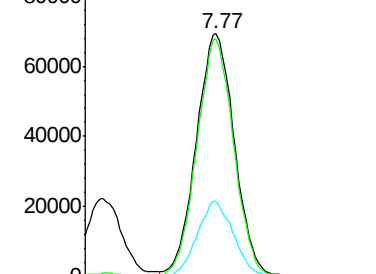


#38
Carbon Tetrachloride
Concen: 19.590 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

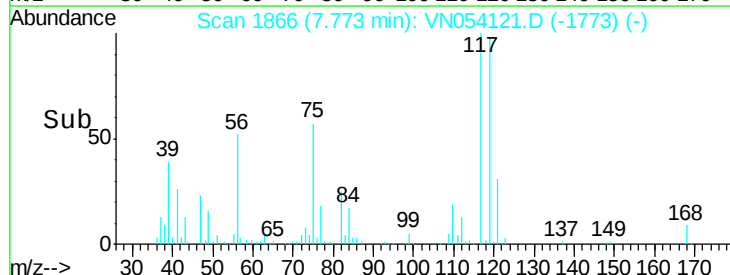
Tgt Ion: 117 Resp: 177721
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.6
121 31.3 24.3 36.5

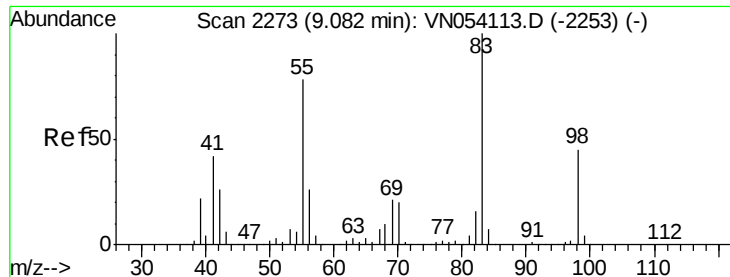


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->

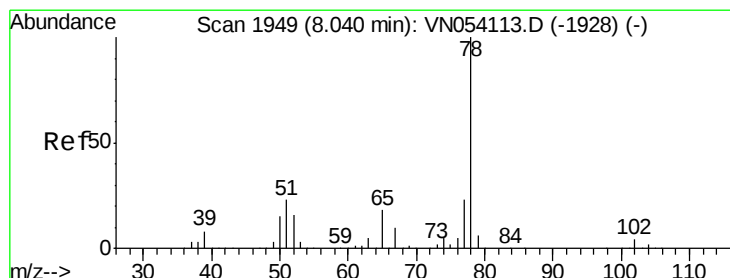
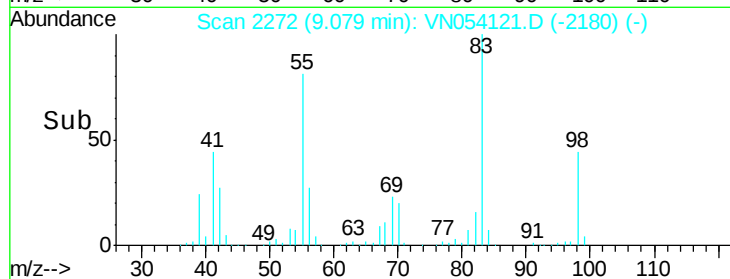
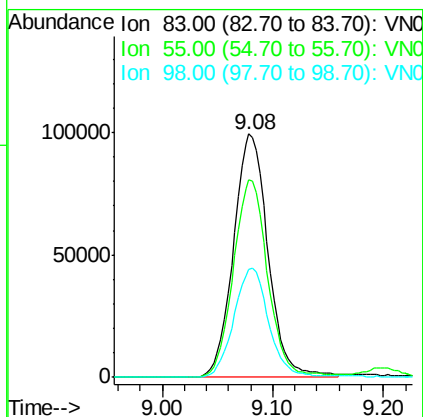
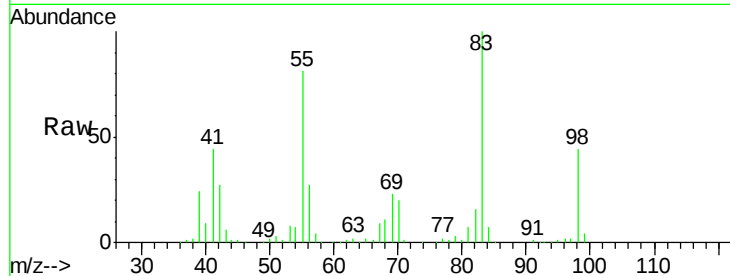




#39
Methylcyclohexane
Concen: 19.715 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

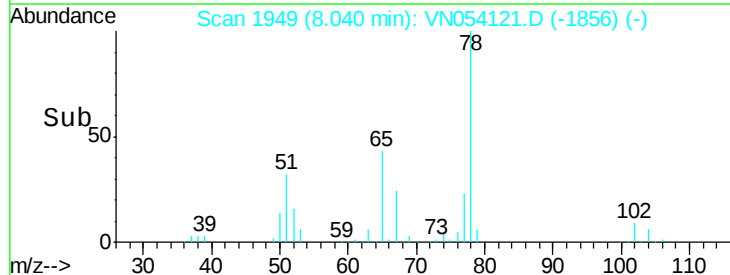
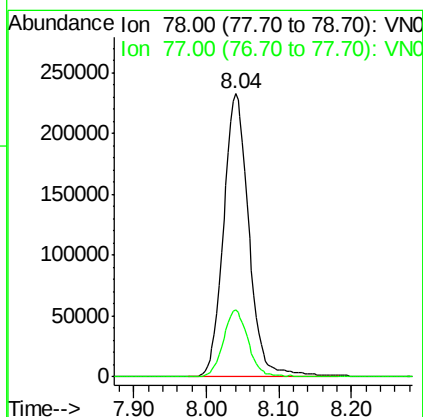
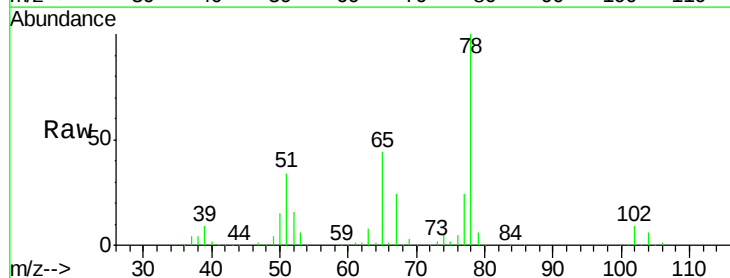
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

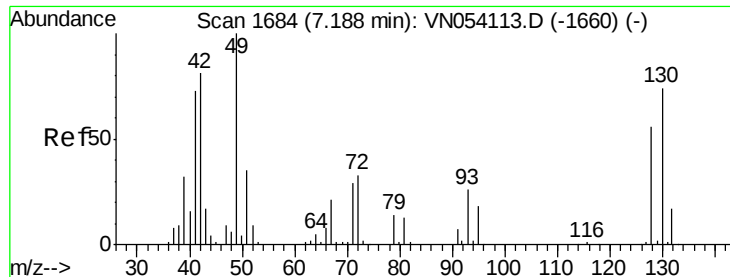
Tgt Ion: 83 Resp: 216222
Ion Ratio Lower Upper
83 100
55 81.0 62.1 93.1
98 44.3 36.0 54.0



#40
Benzene
Concen: 20.138 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 78 Resp: 566164
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1





#41

Methacrylonitrile

Concen: 15.007 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

Tgt Ion: 41 Resp: 53482

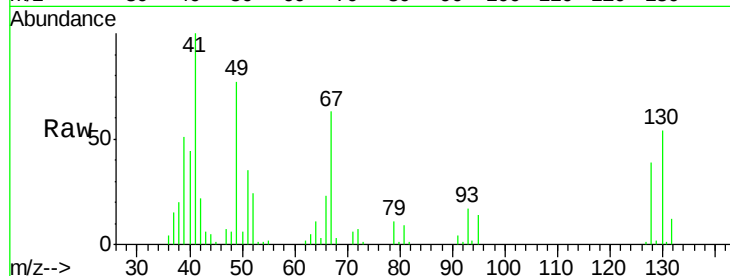
Ion Ratio Lower Upper

41 100

39 73.6 0.0 0.0#

67 101.8 0.0 0.0#

52 40.9 0.0 0.0#

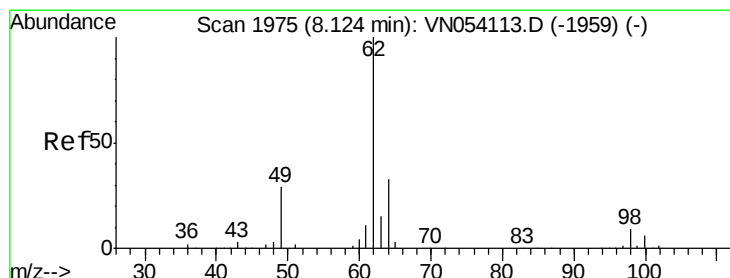
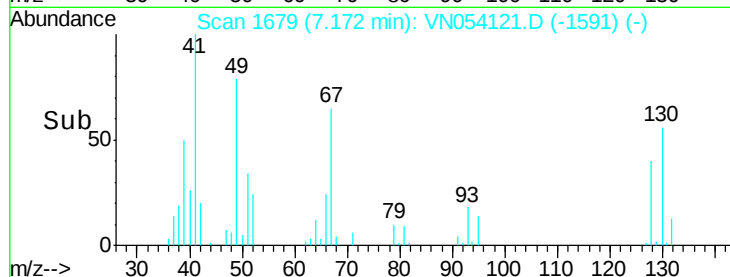
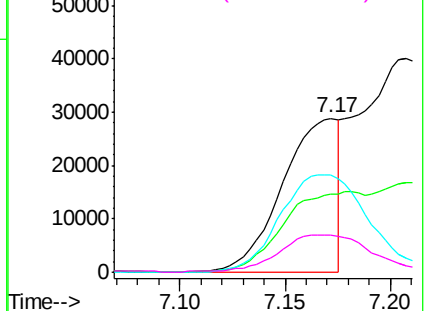


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.917 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054121.D

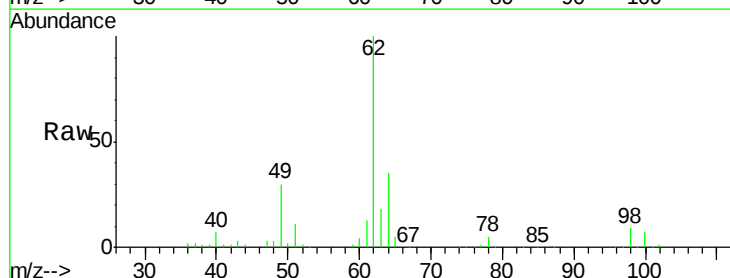
Acq: 6 Mar 2019 17:20

Tgt Ion: 62 Resp: 177375

Ion Ratio Lower Upper

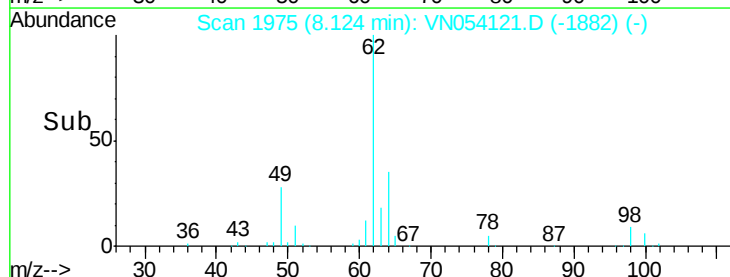
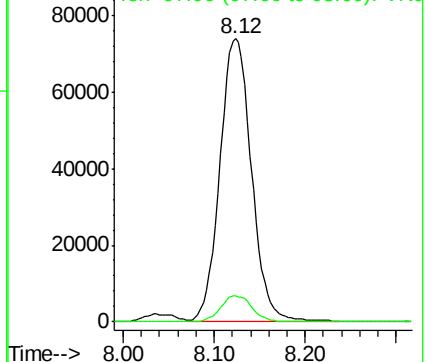
62 100

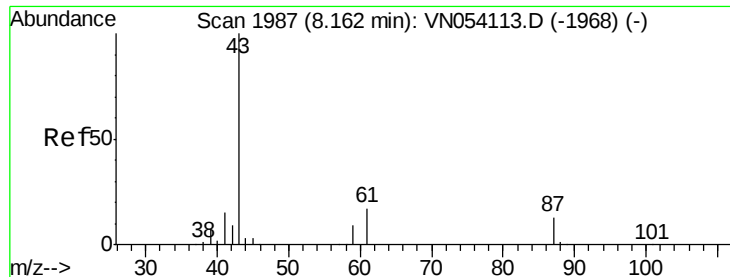
98 9.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.656 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

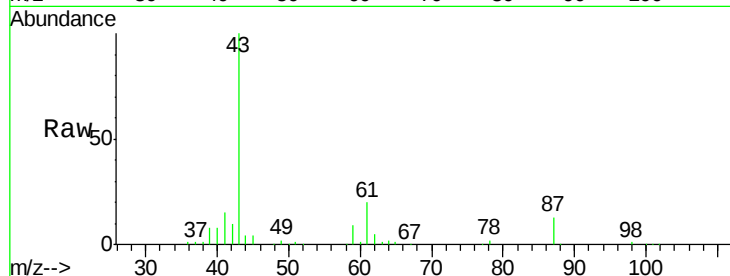
Tgt Ion: 43 Resp: 211916

Ion Ratio Lower Upper

43 100

61 19.5 22.5 33.7#

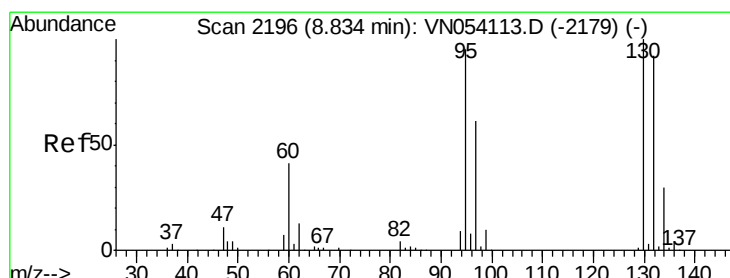
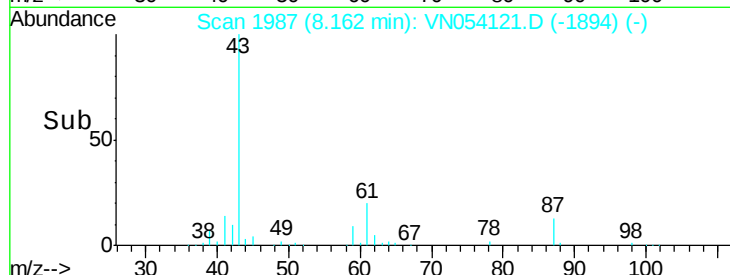
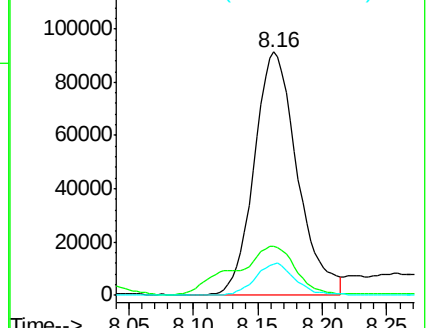
87 12.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN054121.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN054121.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN054121.D (-1968) (-)



#44

Trichloroethene

Concen: 19.894 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054121.D

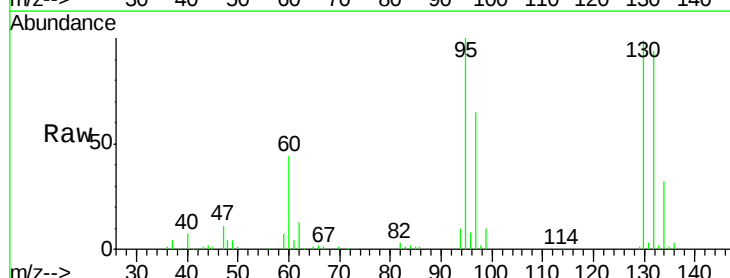
Acq: 6 Mar 2019 17:20

Tgt Ion: 130 Resp: 149978

Ion Ratio Lower Upper

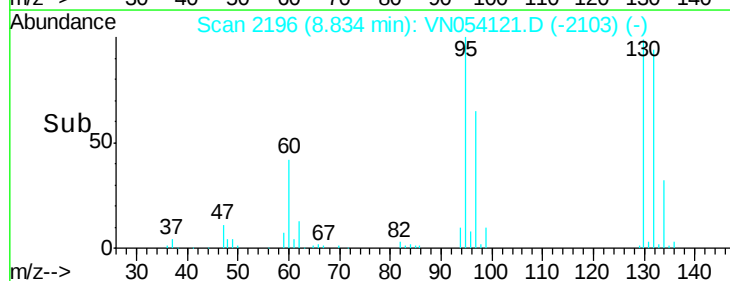
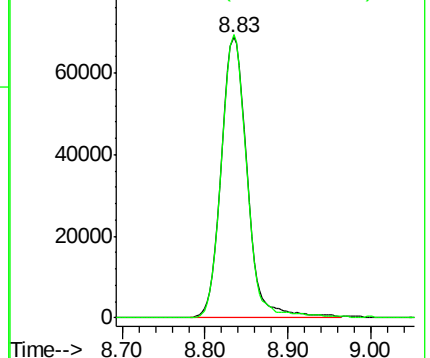
130 100

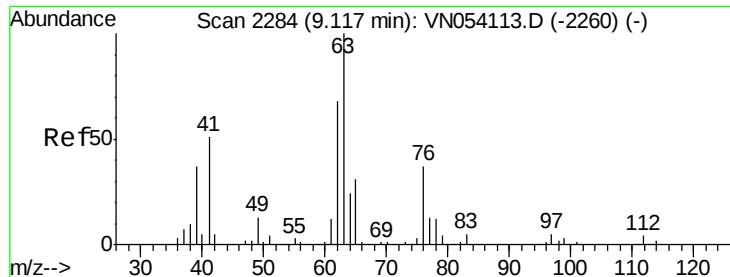
95 100.9 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054121.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054121.D (-2179) (-)

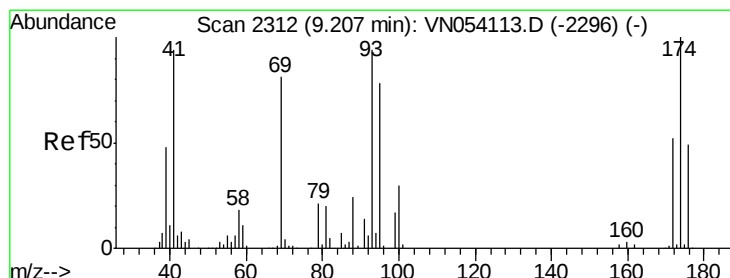
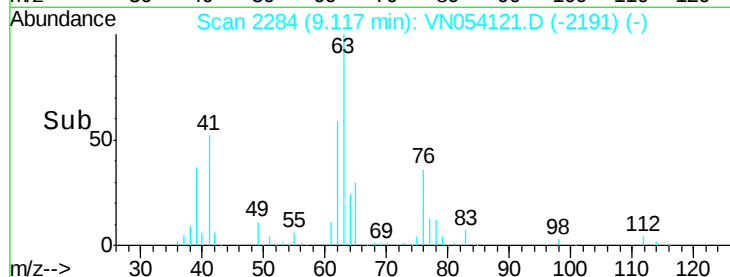
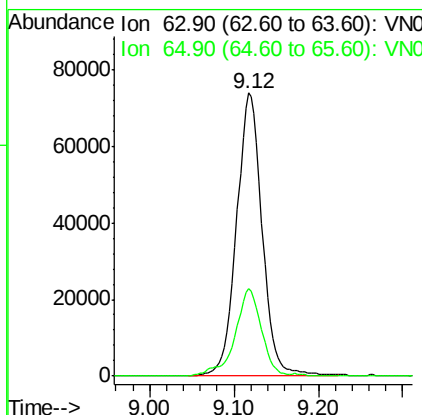
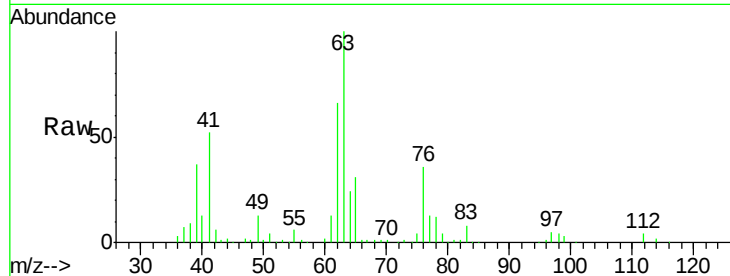




#45
 1,2-Dichloropropane
 Concen: 20.268 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

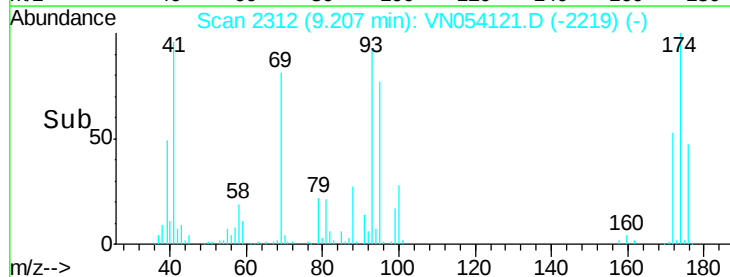
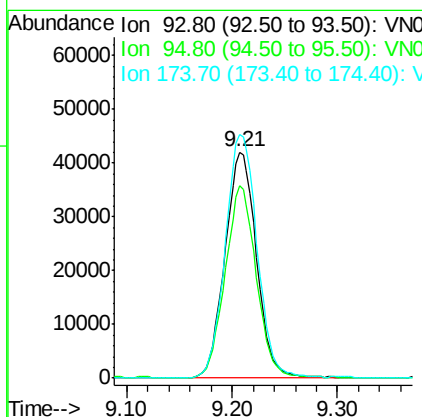
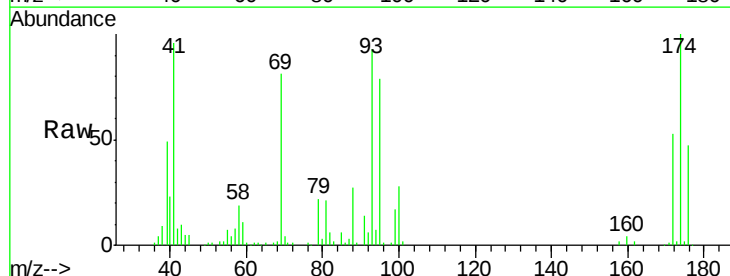
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

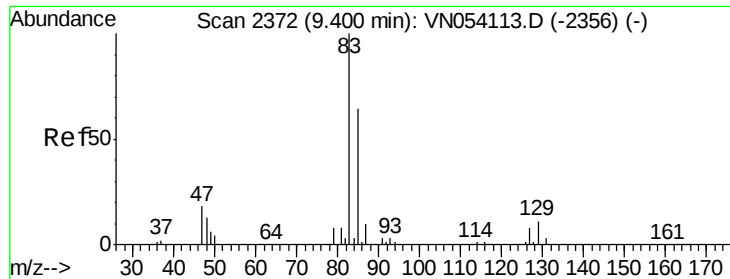
Tgt Ion: 63 Resp: 157177
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#46
 Dibromomethane
 Concen: 19.665 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 93 Resp: 87054
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.1 99.1
 174 109.0 86.1 129.1





#47

Bromodichloromethane

Concen: 19.806 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

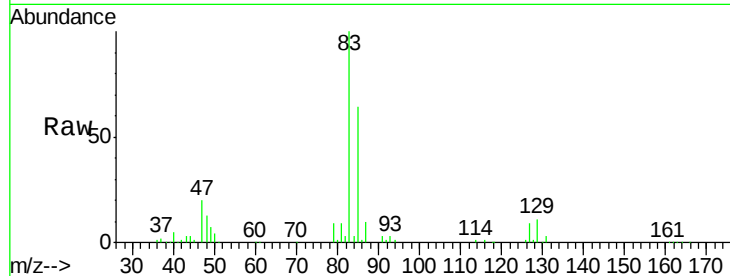
Tgt Ion: 83 Resp: 183536

Ion Ratio Lower Upper

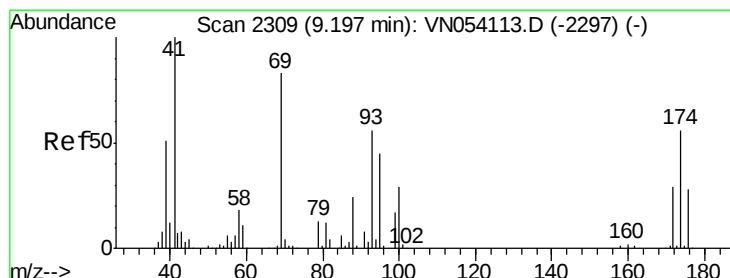
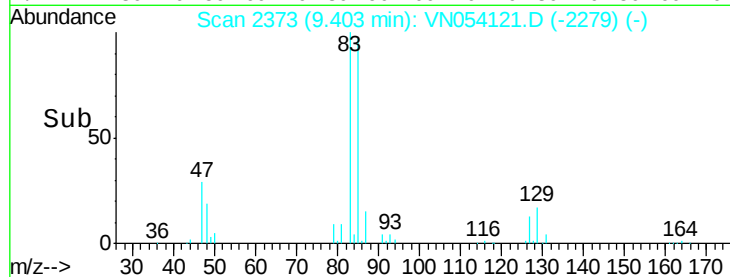
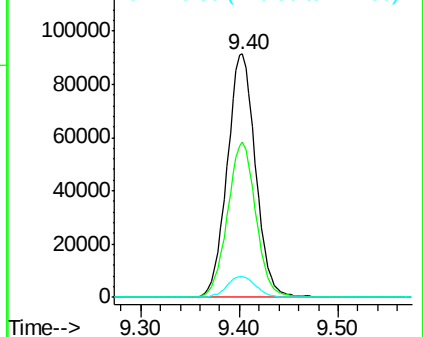
83 100

85 63.6 51.0 76.4

127 8.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.251 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

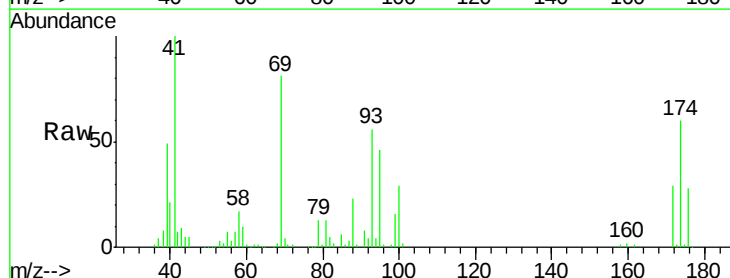
Tgt Ion: 41 Resp: 100665

Ion Ratio Lower Upper

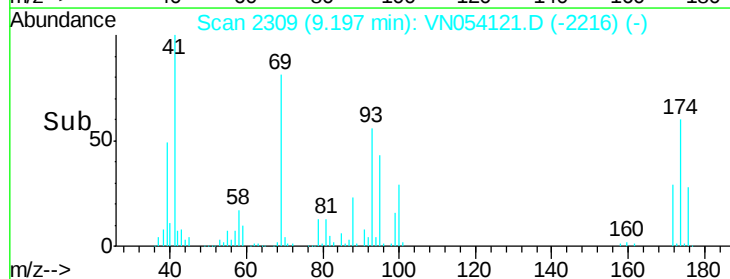
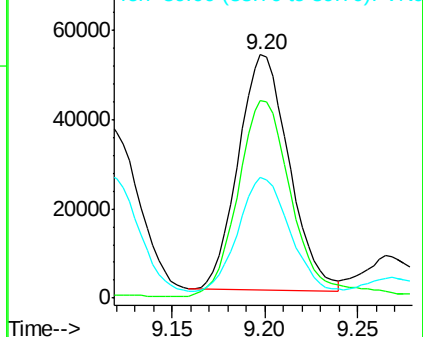
41 100

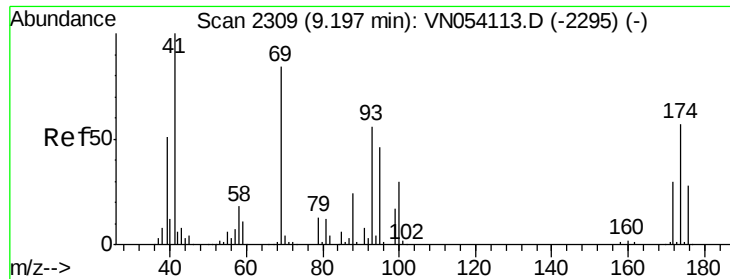
69 88.7 71.0 106.4

39 53.7 43.7 65.5



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

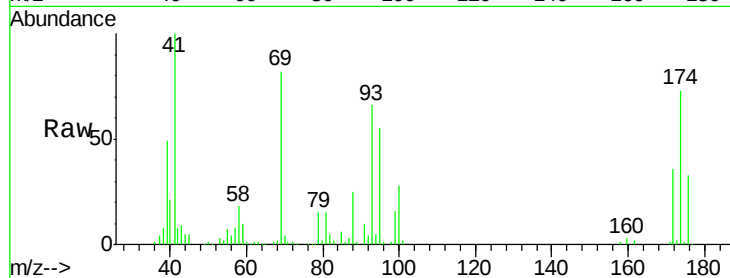




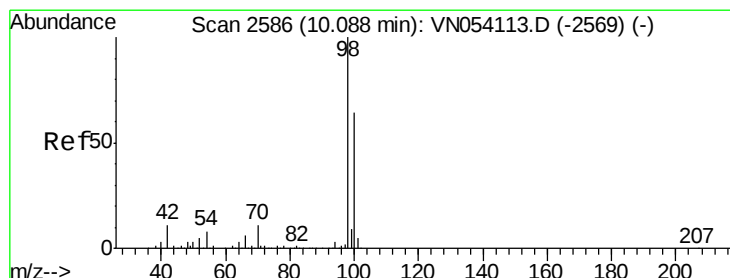
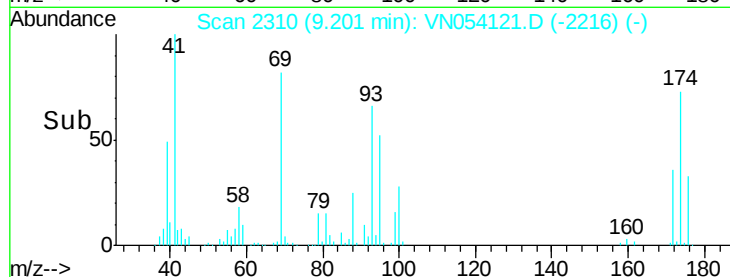
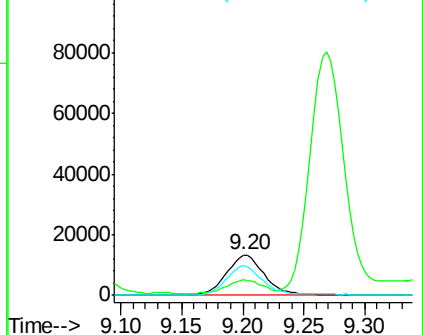
#49
 1,4-Dioxane
 Concen: 384.700 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tgt Ion: 88 Resp: 28918
 Ion Ratio Lower Upper
 88 100
 43 32.6 25.5 38.3
 58 70.1 58.3 87.5

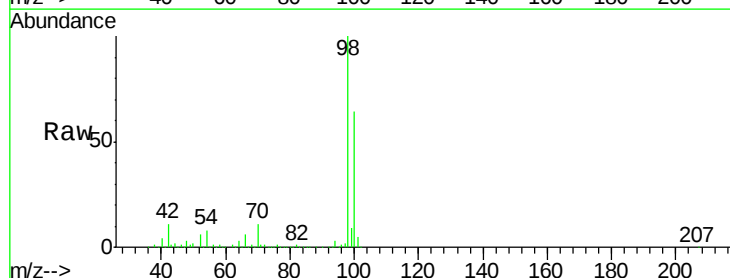


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

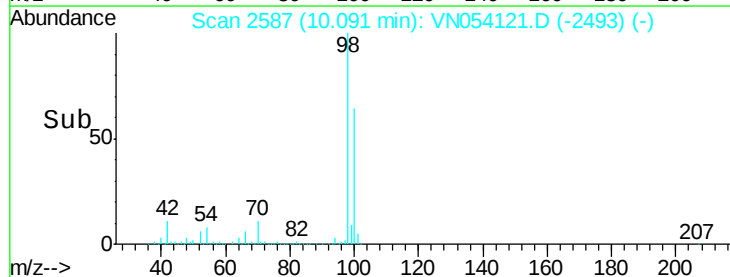
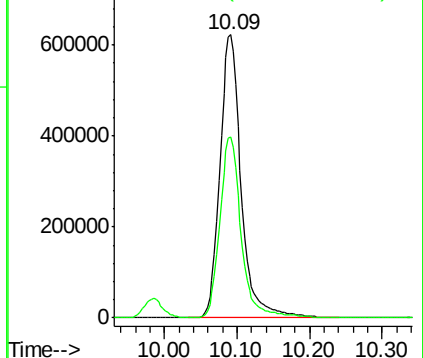


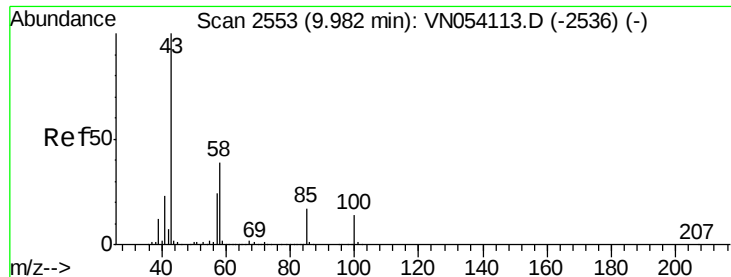
#50
 Toluene-d8
 Concen: 50.467 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 98 Resp: 1260170
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

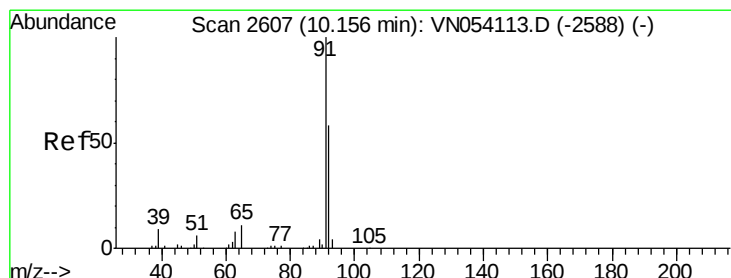
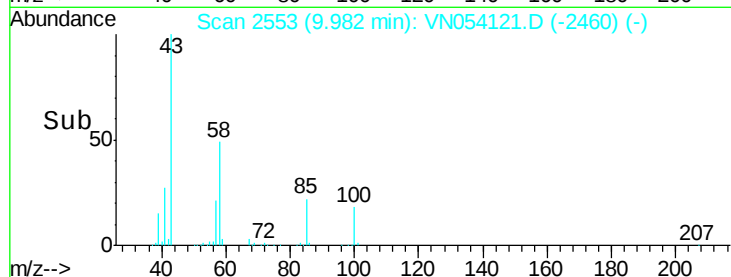
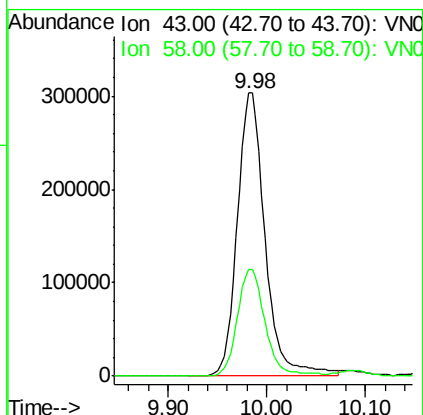
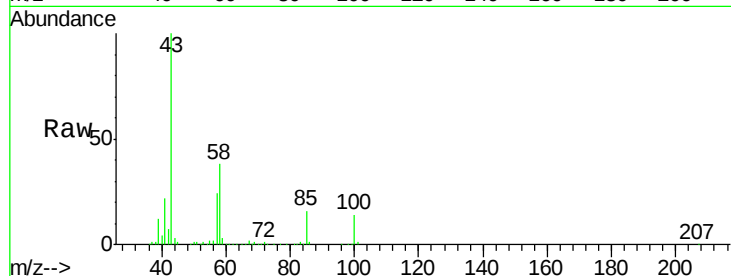




#51
 4-Methyl-2-Pentanone
 Concen: 97.294 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

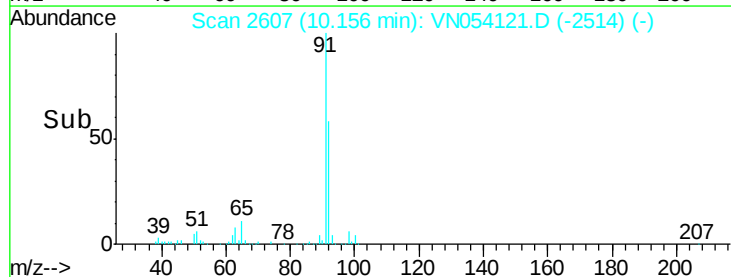
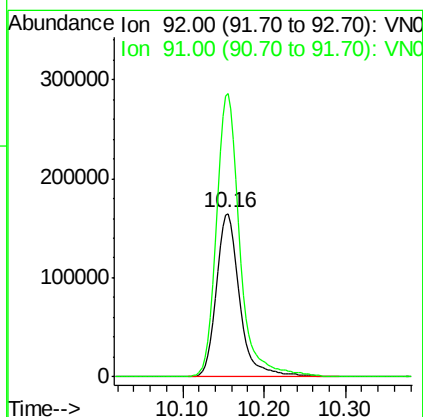
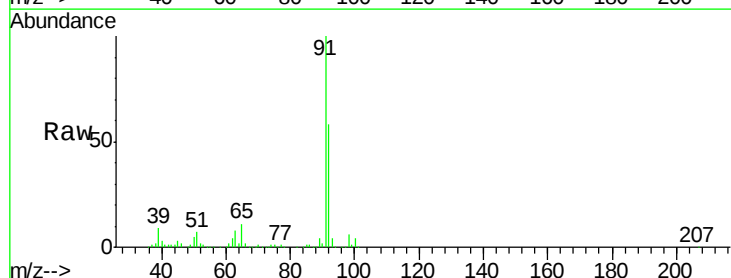
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

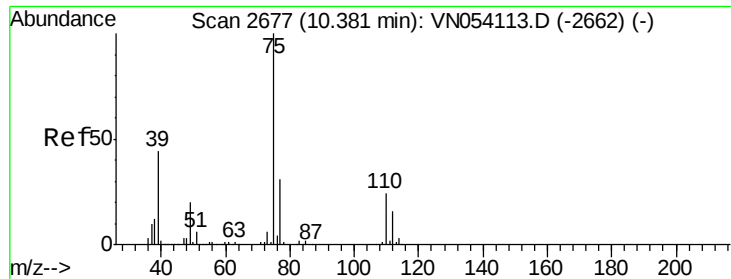
Tgt Ion: 43 Resp: 590262
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2



#52
 Toluene
 Concen: 20.178 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 92 Resp: 336099
 Ion Ratio Lower Upper
 92 100
 91 173.1 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

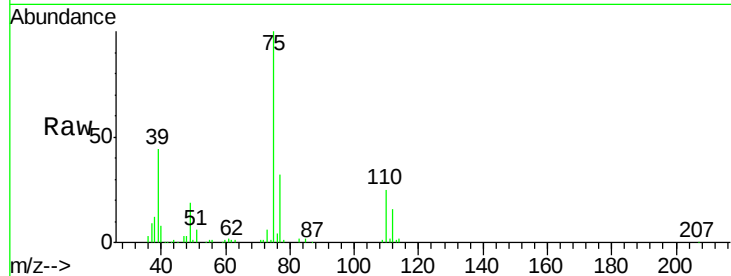
VN0306WBS01

Tgt Ion: 75 Resp: 176045

Ion Ratio Lower Upper

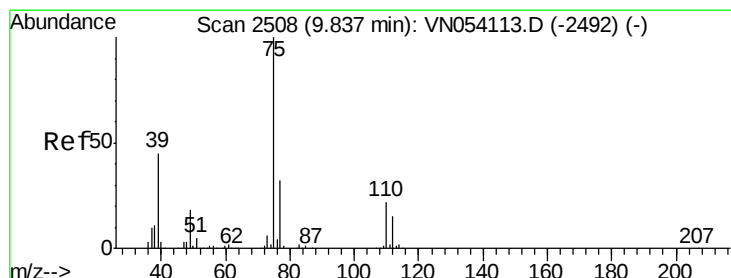
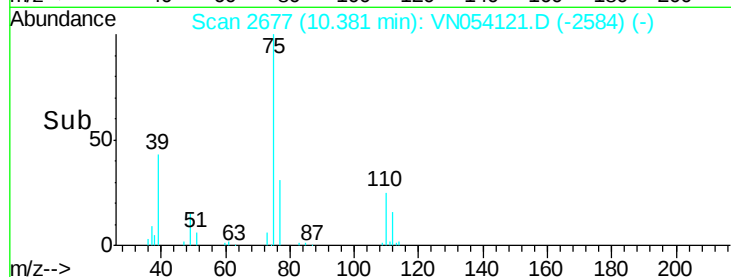
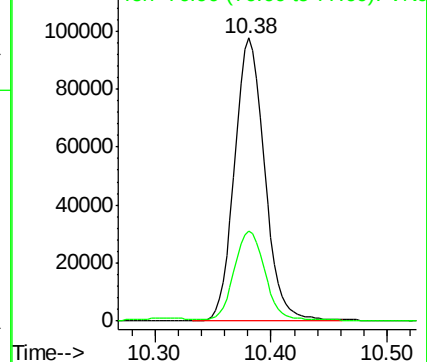
75 100

77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 19.916 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

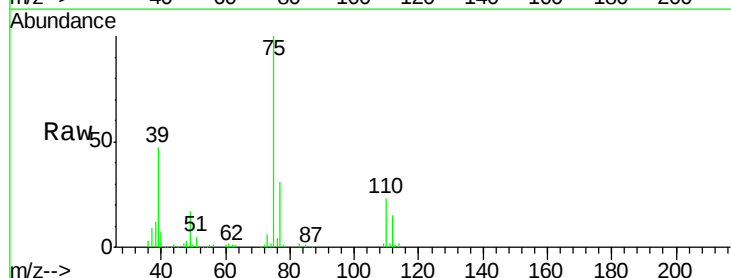
Tgt Ion: 75 Resp: 215140

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

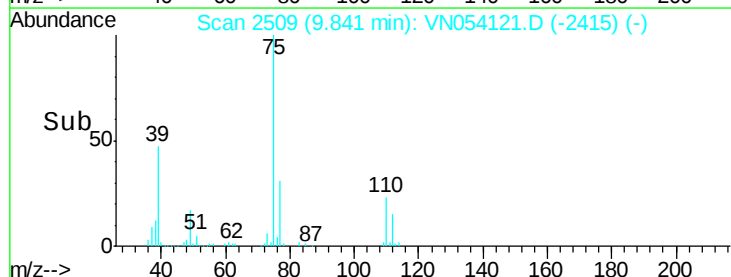
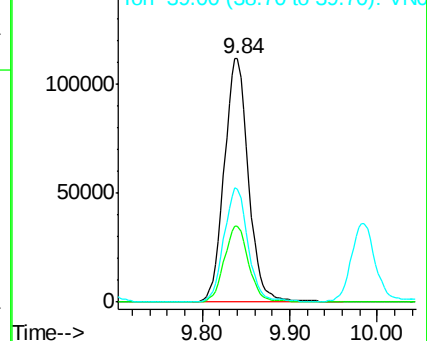
39 46.5 36.2 54.2

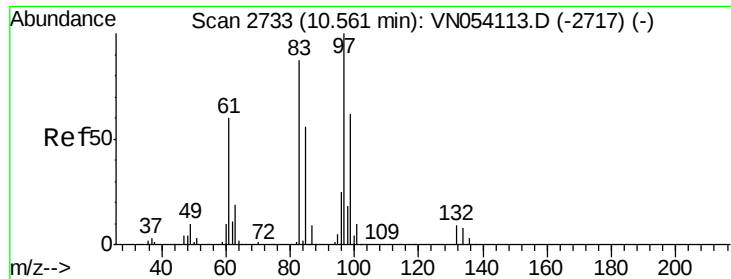


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

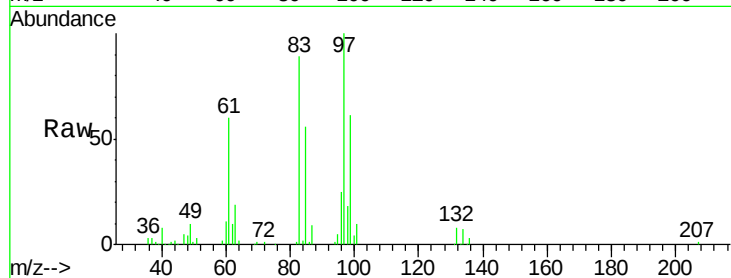




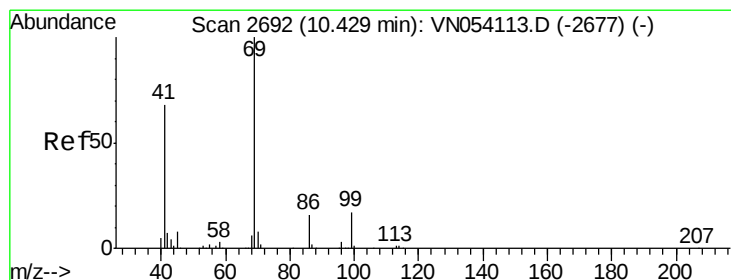
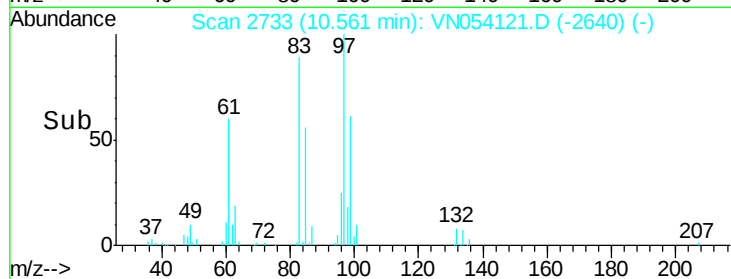
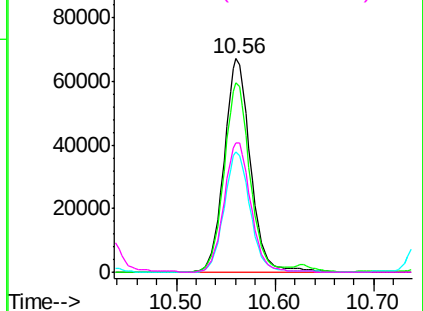
#55
 1,1,2-Trichloroethane
 Concen: 20.045 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

Tgt Ion: 97 Resp: 125731
 Ion Ratio Lower Upper
 97 100
 83 88.9 69.8 104.6
 85 56.3 45.0 67.4
 99 60.7 49.8 74.6

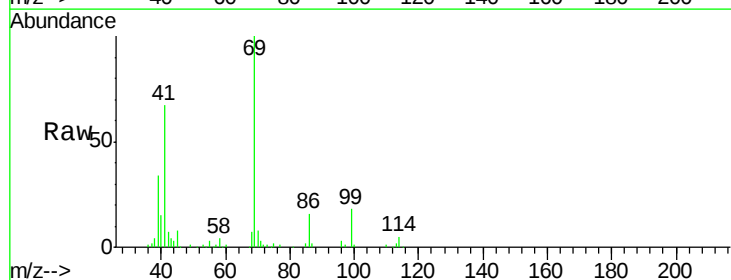


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

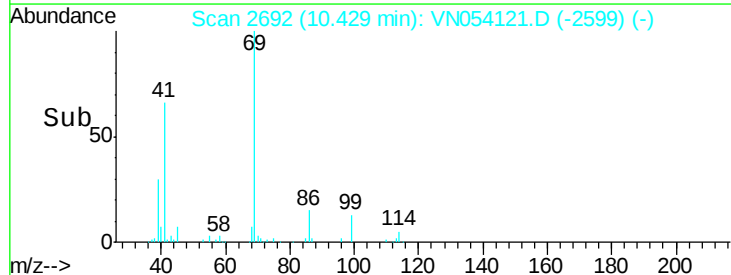
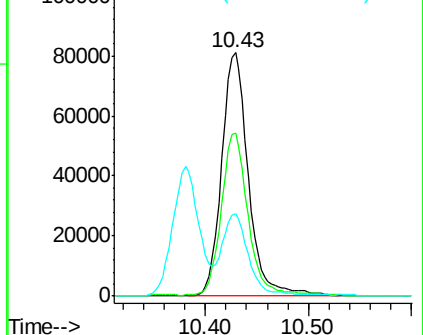


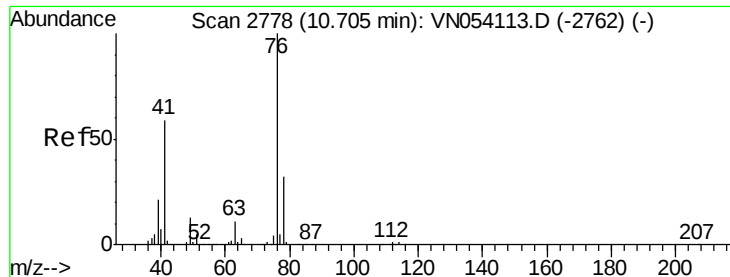
#56
 Ethyl methacrylate
 Concen: 19.931 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 69 Resp: 146758
 Ion Ratio Lower Upper
 69 100
 41 65.3 53.4 80.2
 39 33.5 25.6 38.4



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC

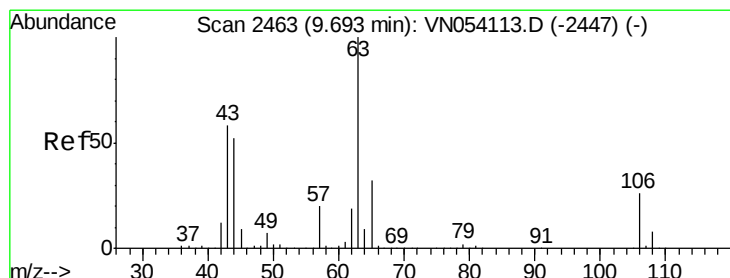
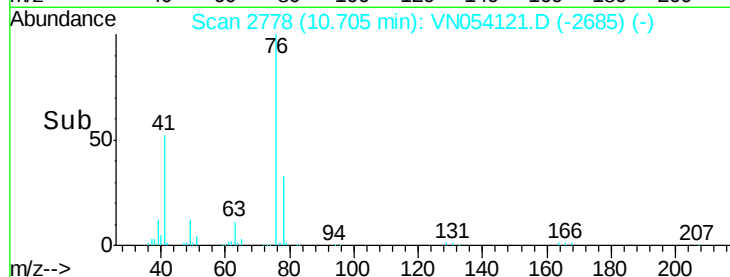
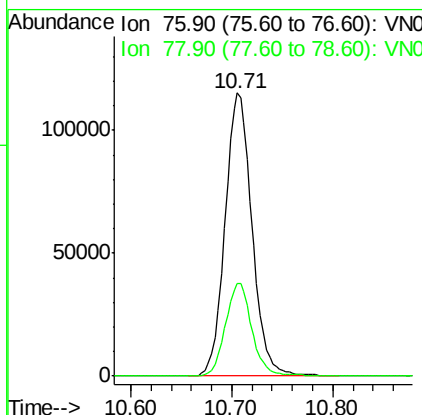
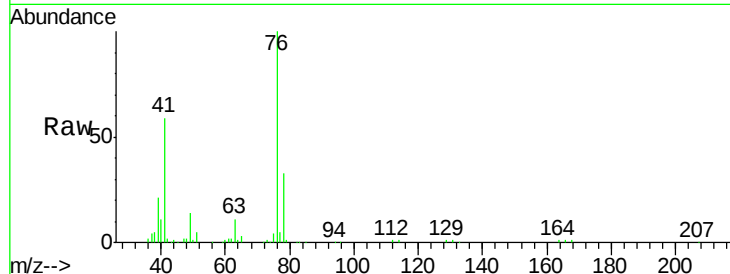




#57
 1,3-Dichloropropane
 Concen: 20.055 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

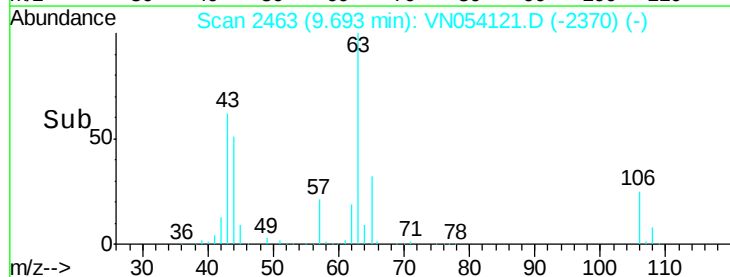
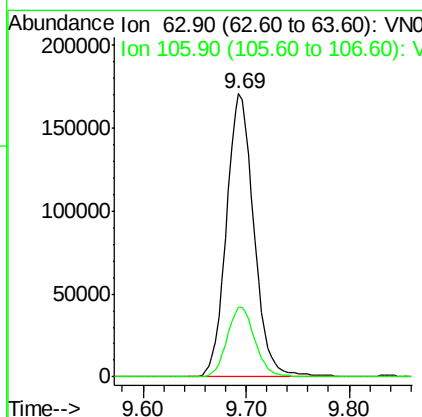
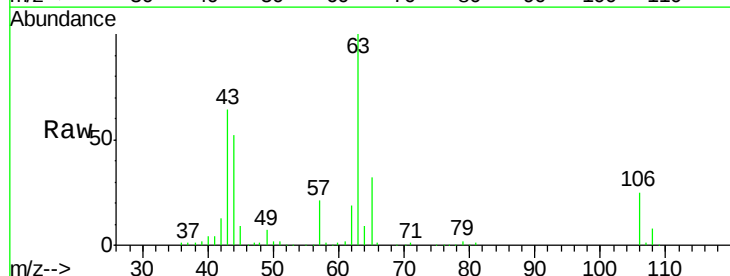
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

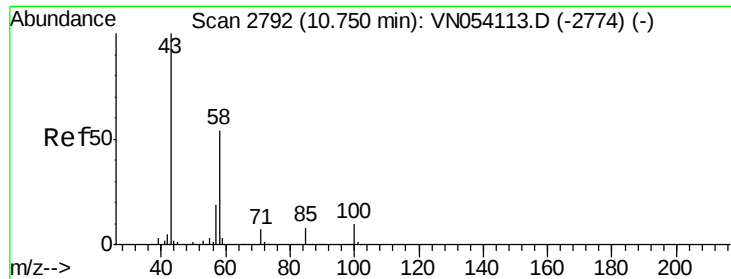
Tgt Ion: 76 Resp: 214627
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.275 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 63 Resp: 317727
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.2 30.2

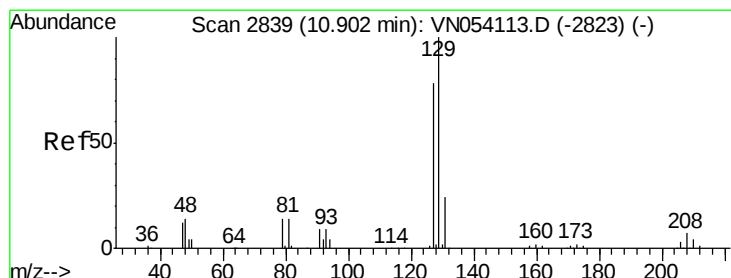
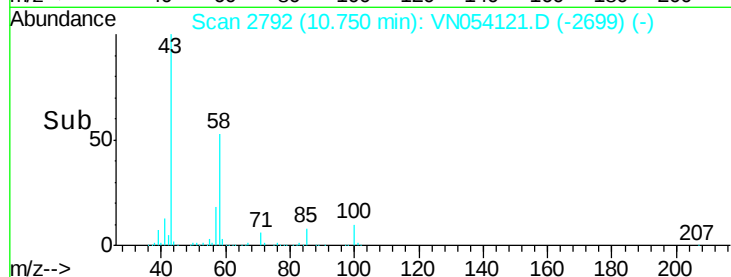
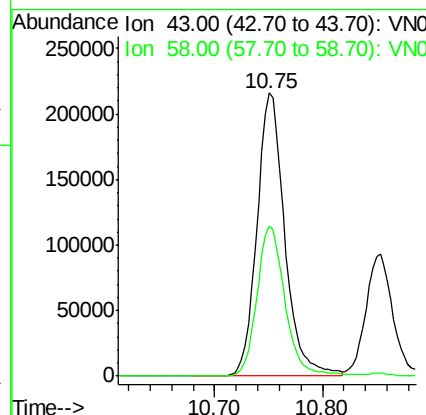
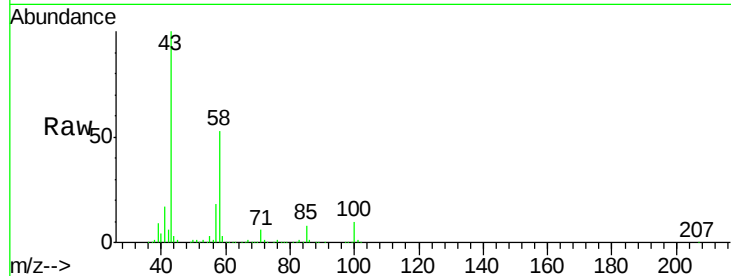




#59
2-Hexanone
Concen: 96.175 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

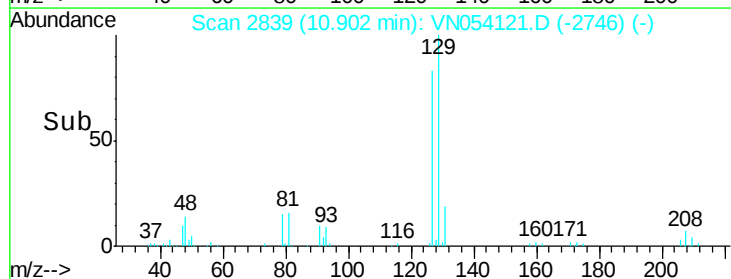
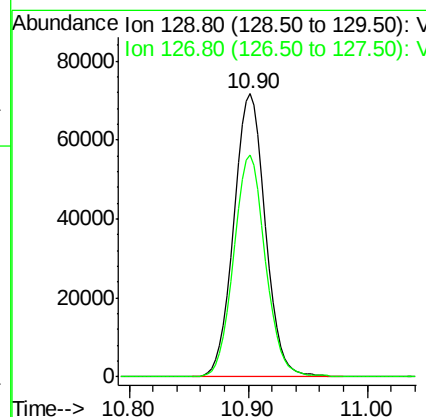
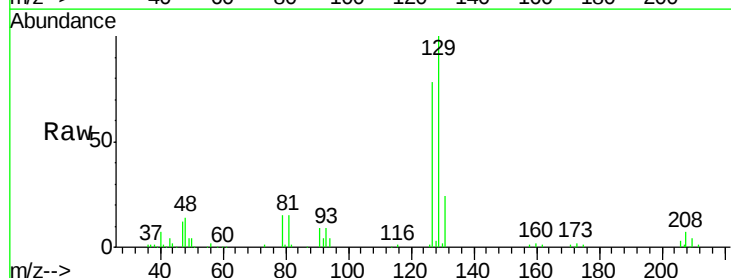
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

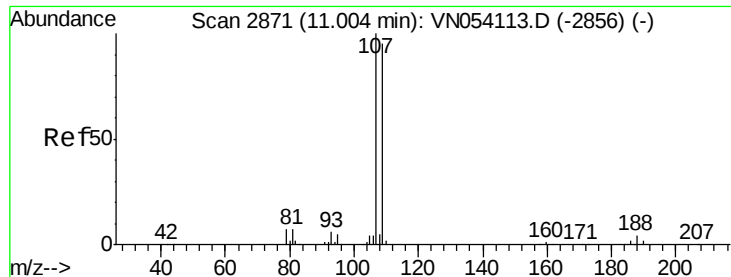
Tgt Ion: 43 Resp: 384920
Ion Ratio Lower Upper
43 100
58 53.6 27.0 81.0



#60
Dibromochloromethane
Concen: 19.658 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 129 Resp: 131840
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.4

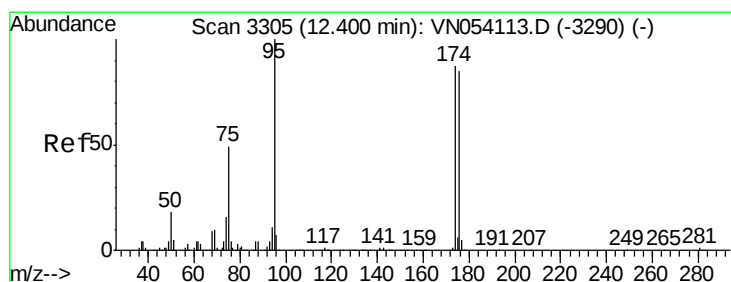
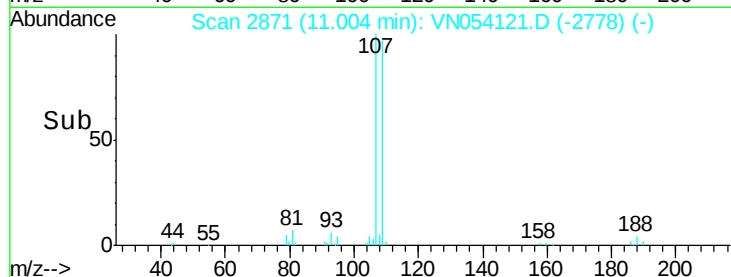
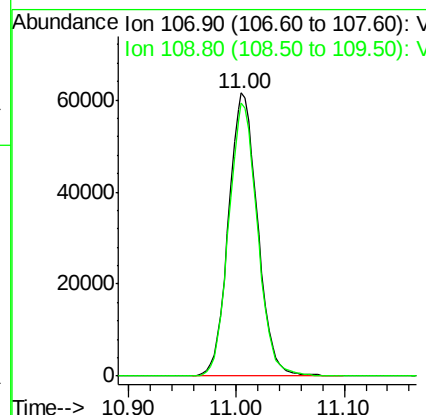
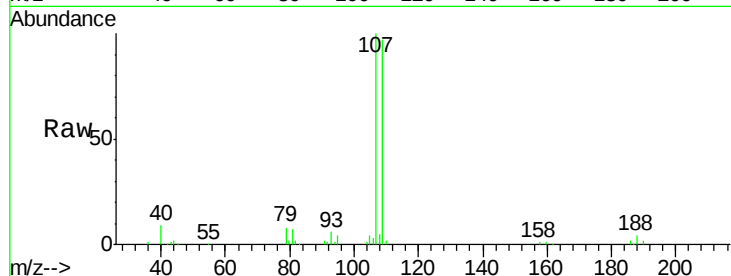




#61
 1,2-Dibromoethane
 Concen: 19.327 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

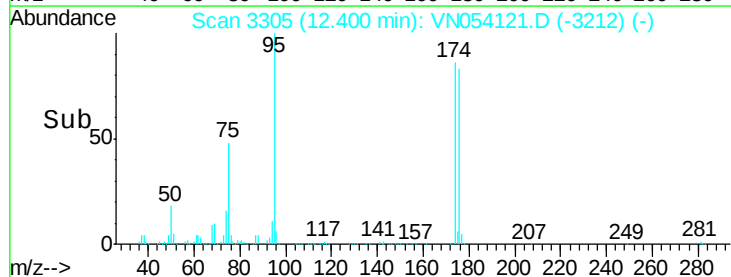
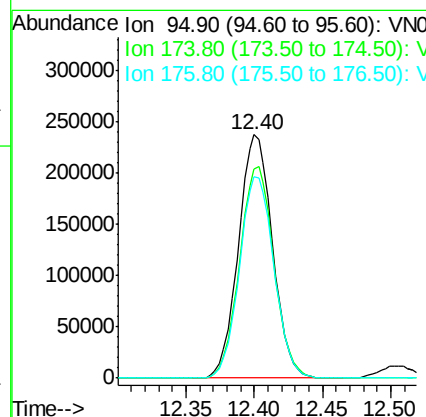
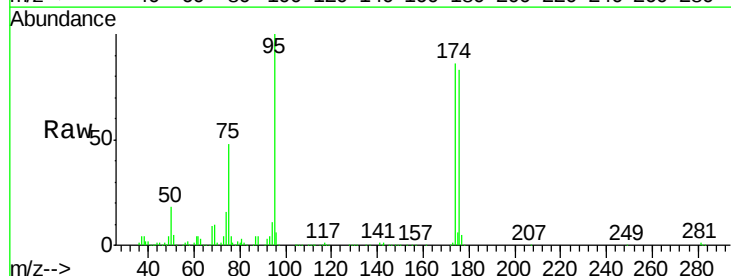
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

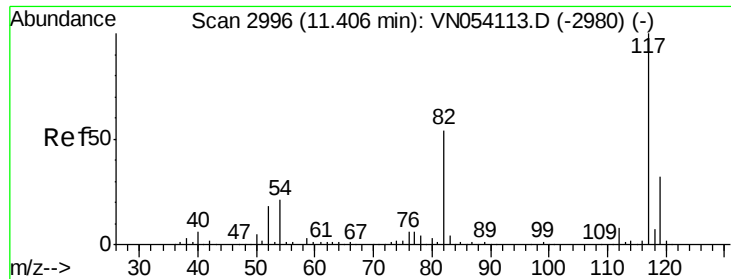
Tgt Ion: 107 Resp: 115349
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 50.430 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion: 95 Resp: 409977
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 173.2
 176 84.1 0.0 168.8

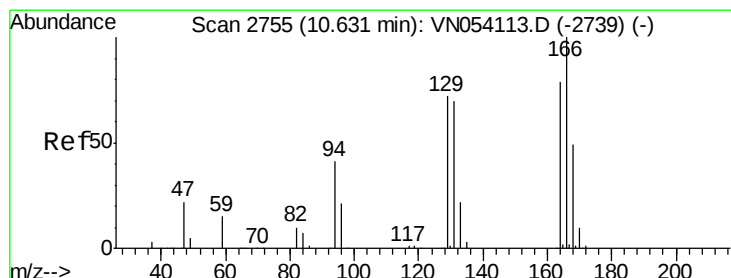
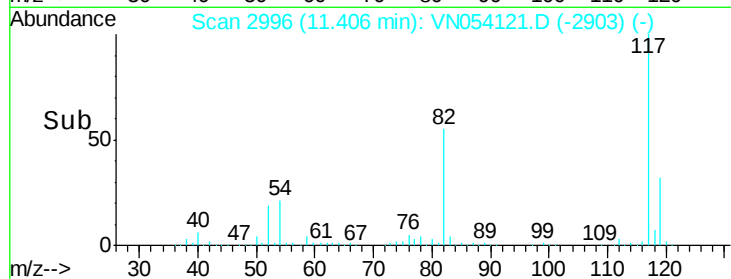
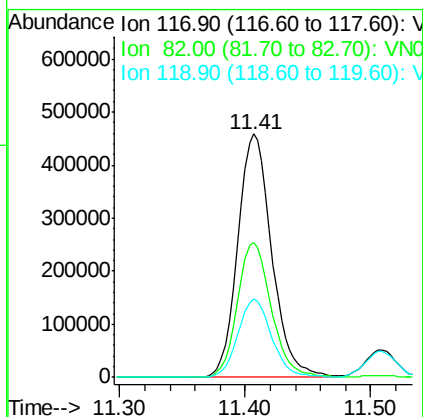
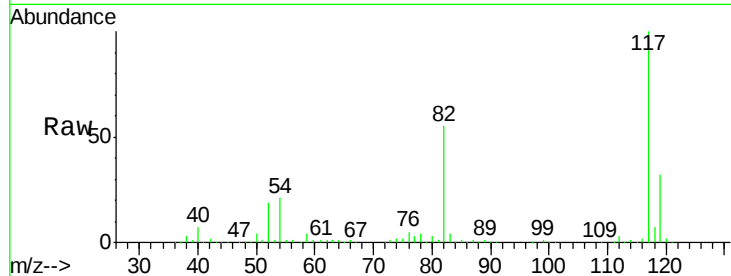




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

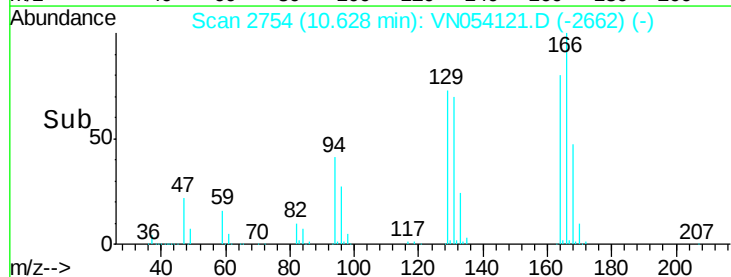
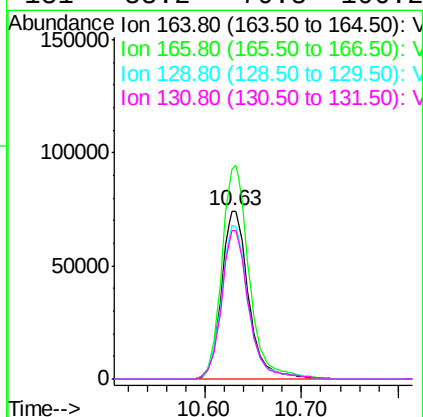
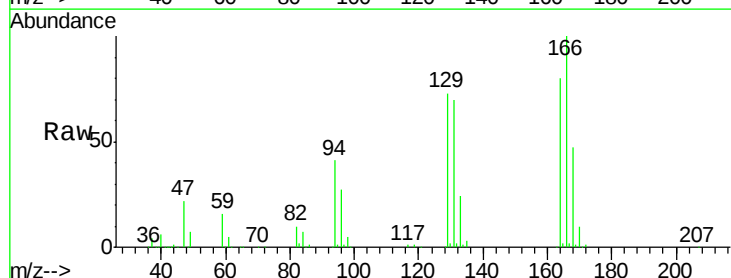
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

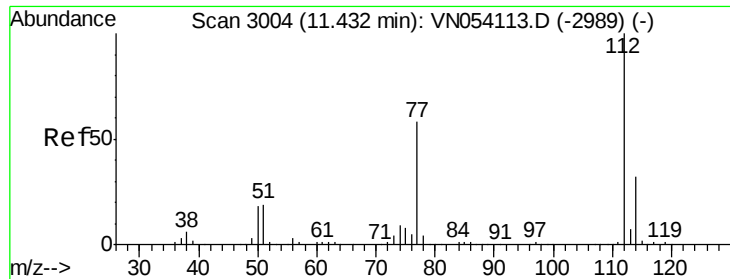
Tgt Ion:117 Resp: 864429
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.2
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 20.347 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion:164 Resp: 144342
Ion Ratio Lower Upper
164 100
166 125.2 101.3 151.9
129 91.4 73.2 109.8
131 88.2 70.8 106.2

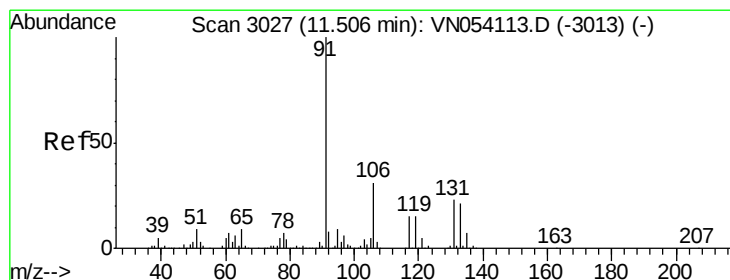
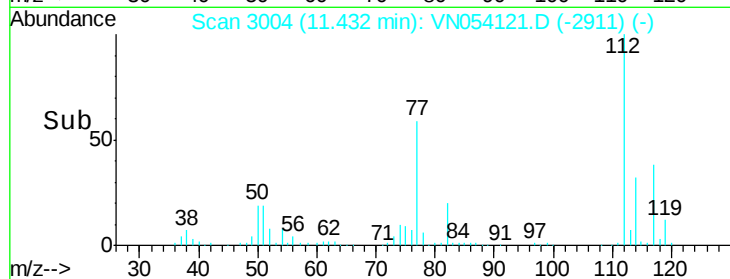
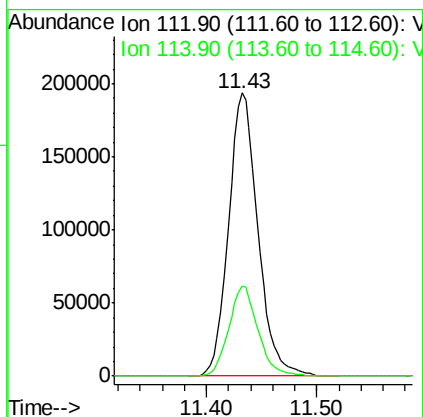
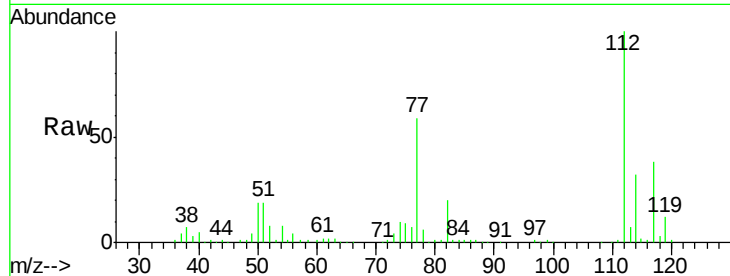




#65
Chlorobenzene
Concen: 19.861 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

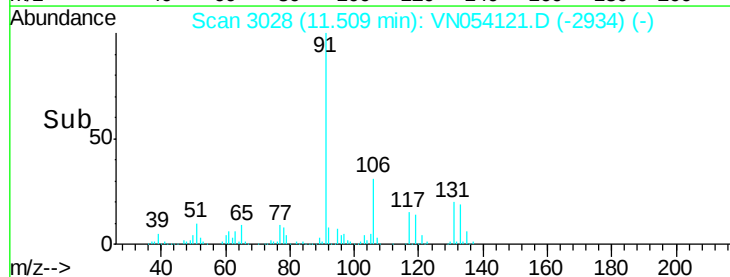
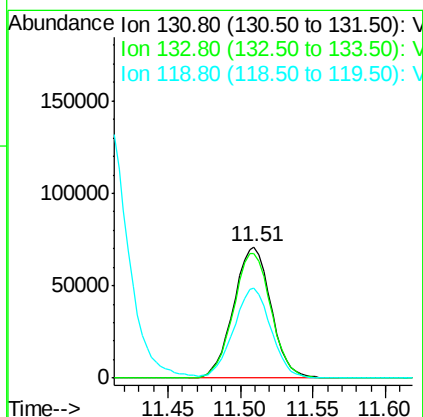
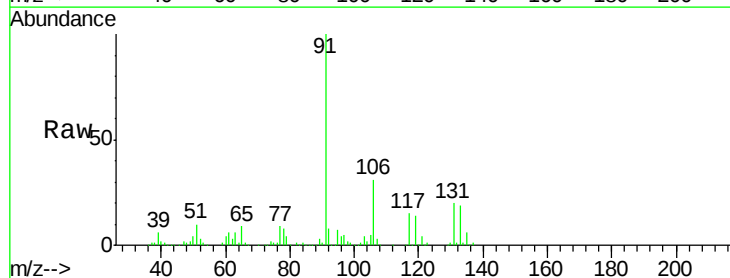
Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

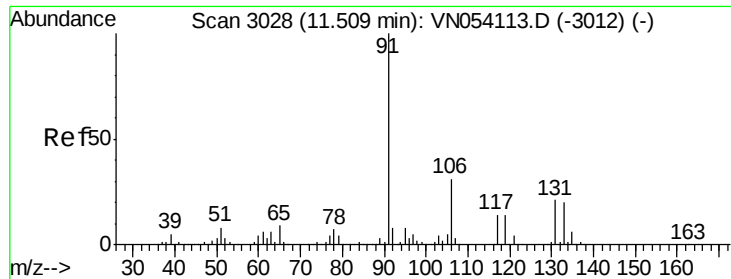
Tgt Ion:112 Resp: 357275
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.754 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion:131 Resp: 127204
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 68.7 33.8 101.3

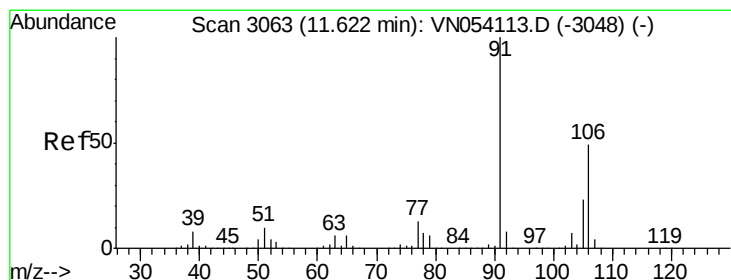
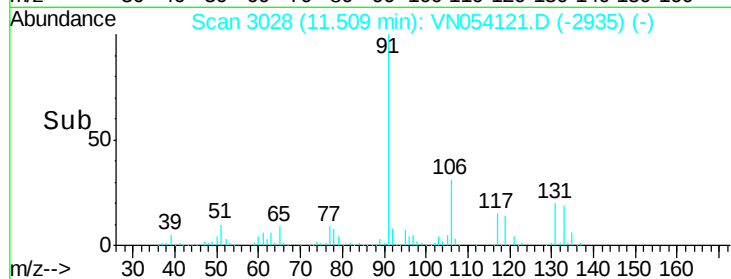
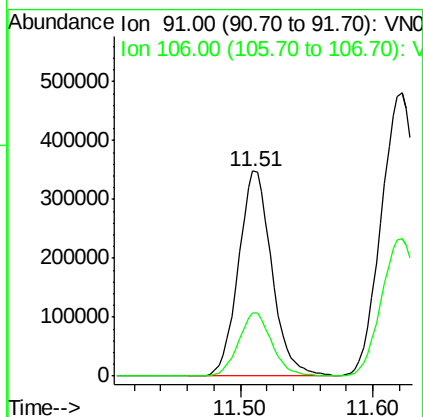
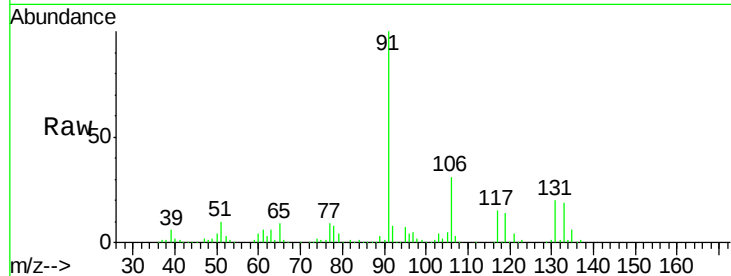




#67
Ethyl Benzene
Concen: 20.215 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

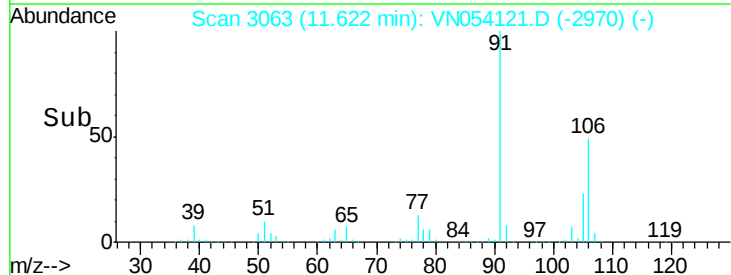
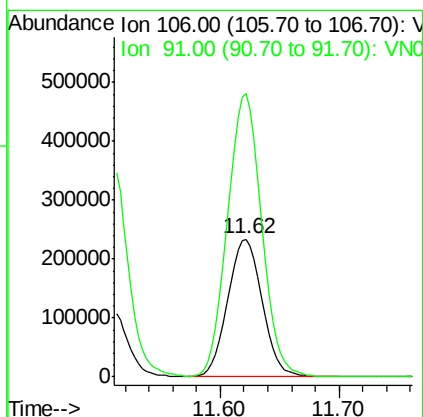
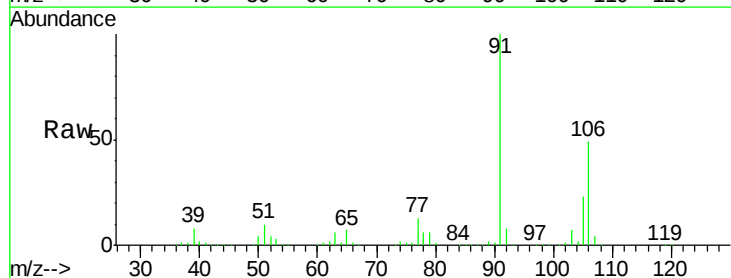
Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

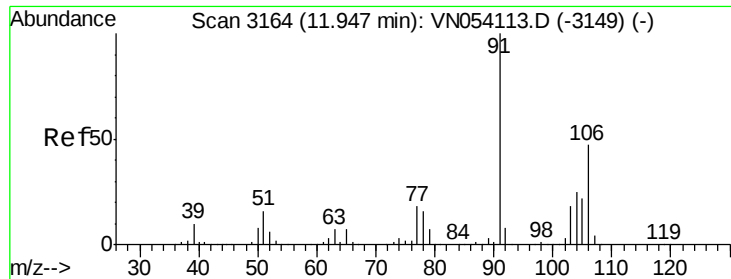
Tgt Ion: 91 Resp: 608513
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 41.334 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion: 106 Resp: 469547
Ion Ratio Lower Upper
106 100
91 203.7 163.2 244.8

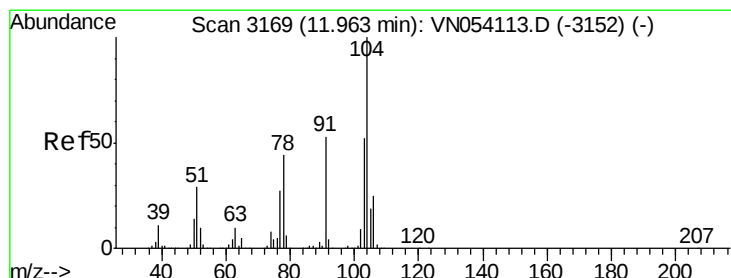
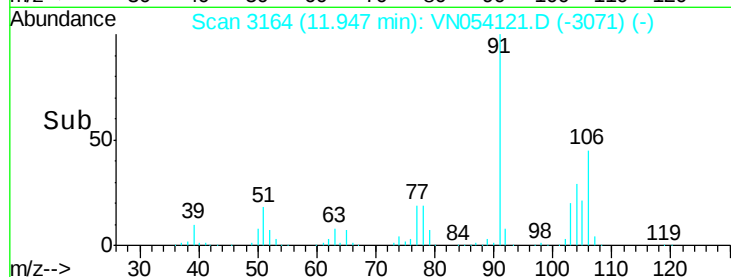
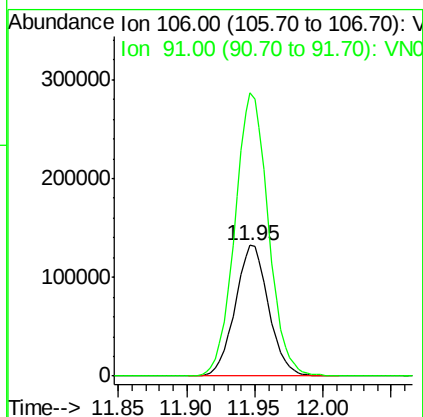
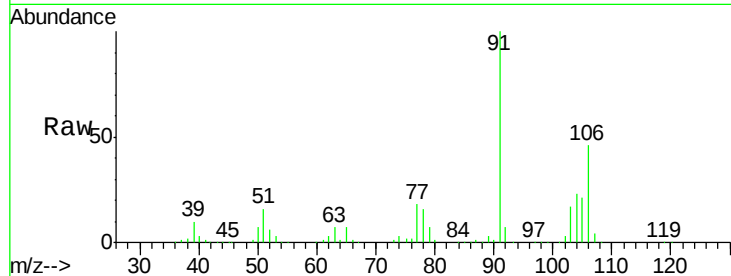




#69
o-Xylene
Concen: 20.628 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

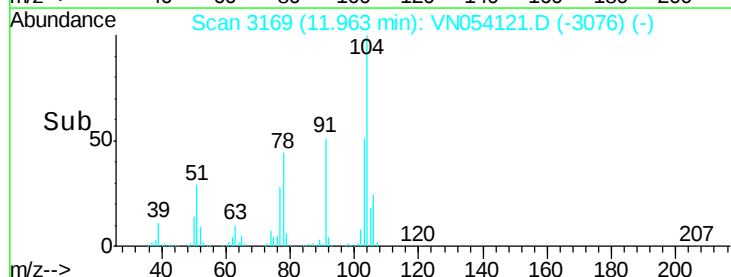
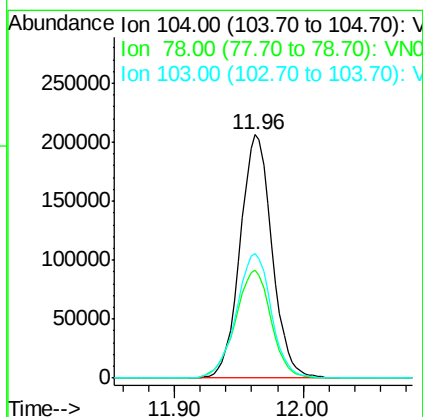
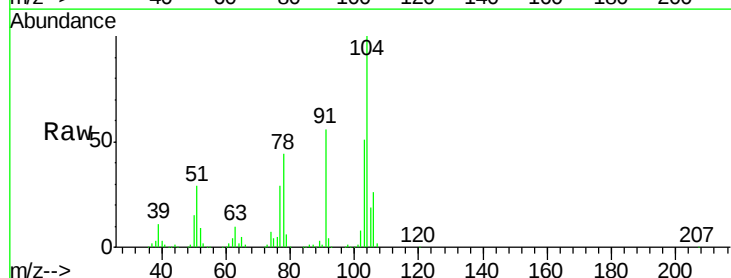
Instrument :
MSVOA_N
ClientSampled :
VN0306WBS01

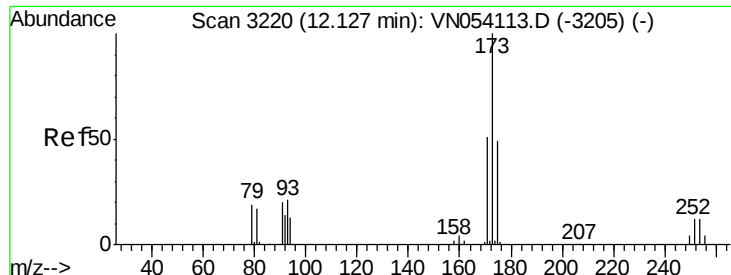
Tgt Ion:106 Resp: 225492
Ion Ratio Lower Upper
106 100
91 216.1 107.1 321.3



#70
Styrene
Concen: 20.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion:104 Resp: 355561
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.0
103 56.0 44.7 67.1

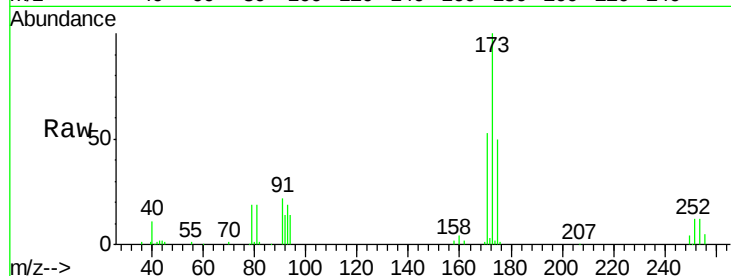




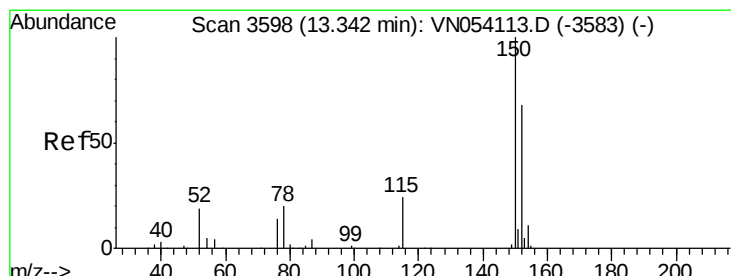
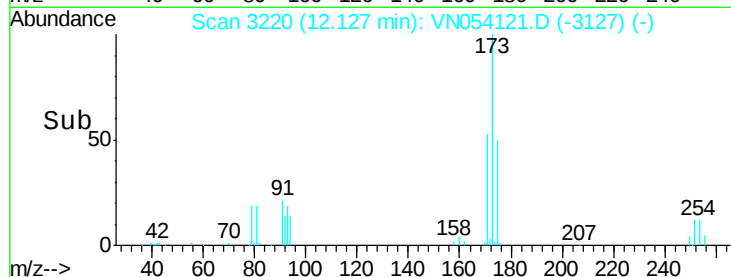
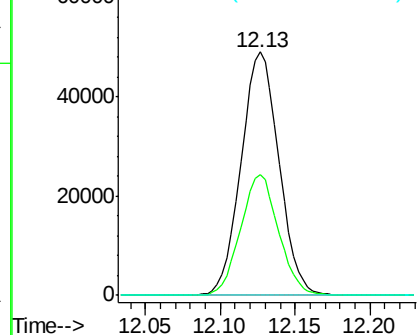
#71
Bromoform
Concen: 19.509 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tgt Ion:173 Resp: 86464
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.2
254 0.0 0.0 0.0

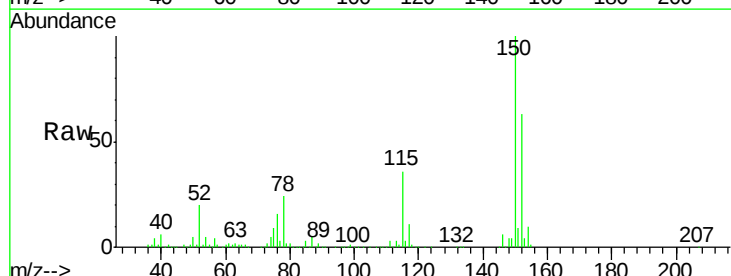


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

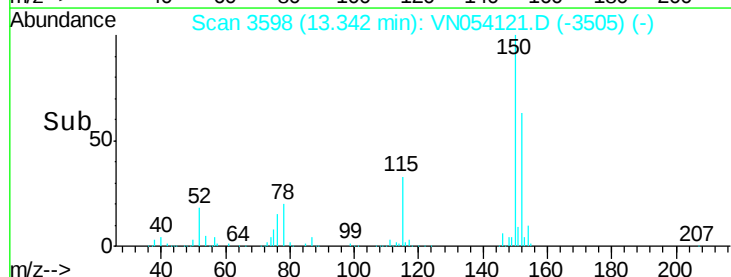
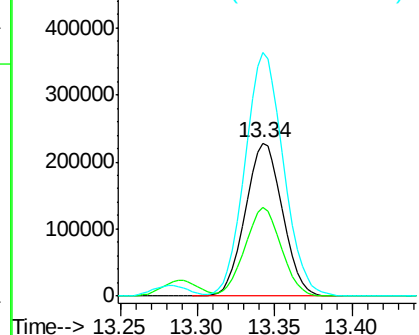


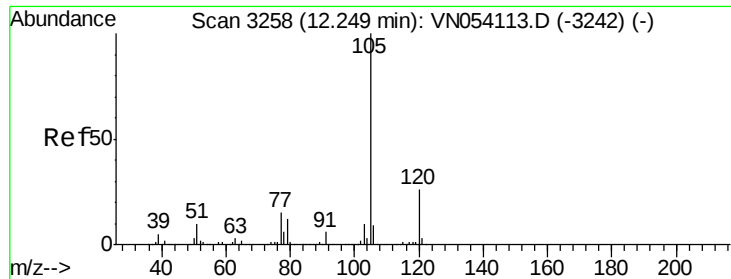
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion:152 Resp: 381165
Ion Ratio Lower Upper
152 100
115 56.8 28.5 85.6
150 164.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.804 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

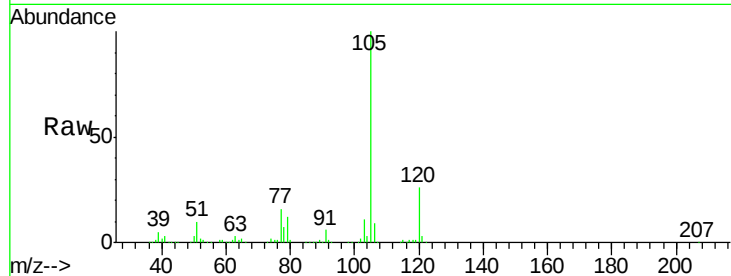
VN0306WBS01

Tgt Ion:105 Resp: 600616

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

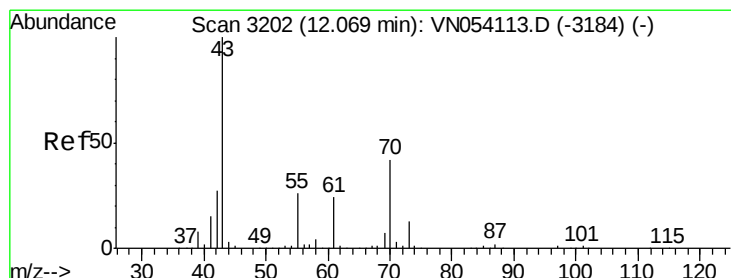
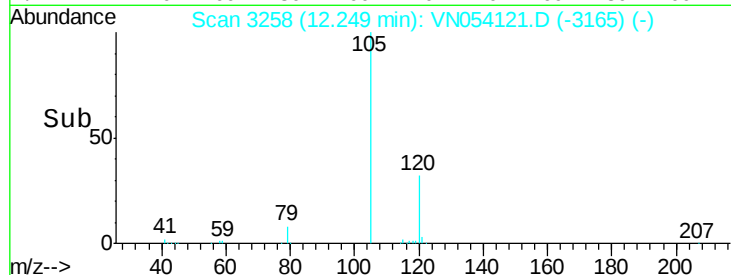
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-amyl acetate

Concen: 19.432 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Tgt Ion: 43 Resp: 156088

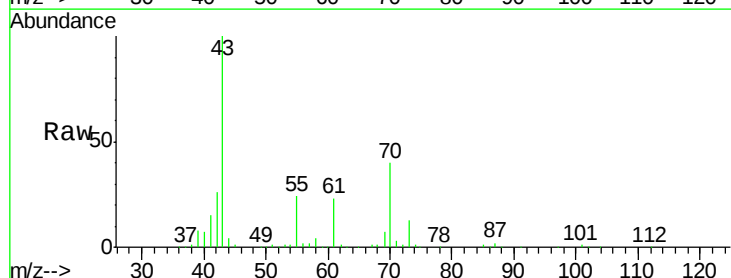
Ion Ratio Lower Upper

43 100

70 41.1 33.6 50.4

55 25.3 20.6 31.0

61 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

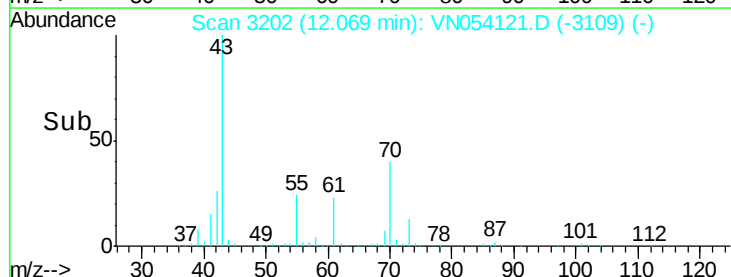
150000

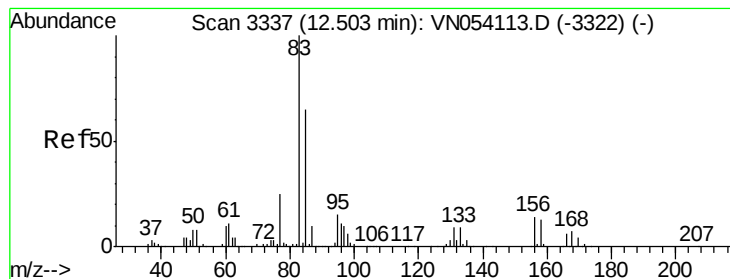
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

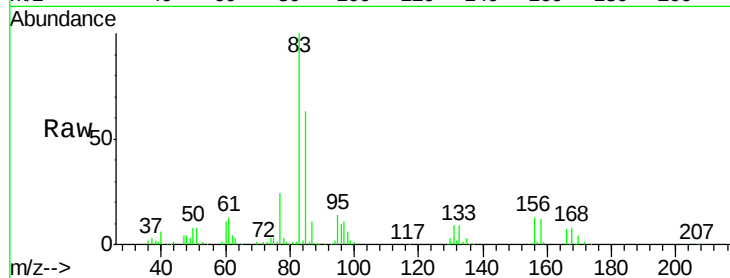
Tgt Ion: 83 Resp: 144545

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

85 62.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

80000

60000

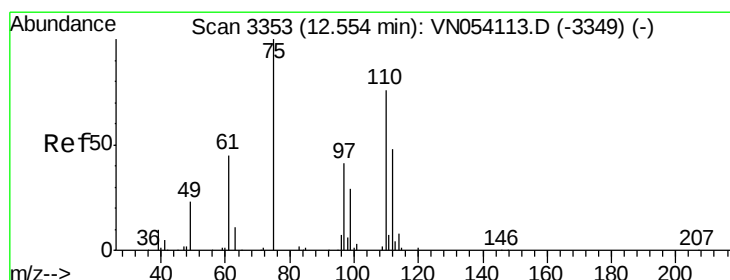
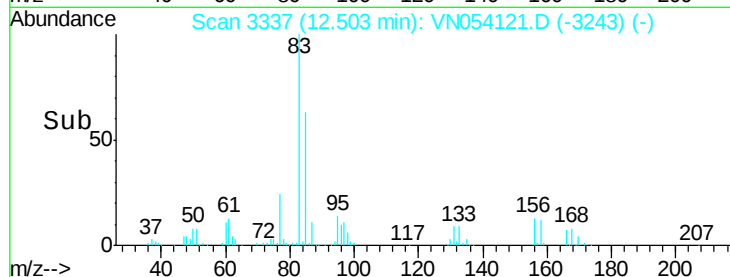
40000

20000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 27.084 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054121.D

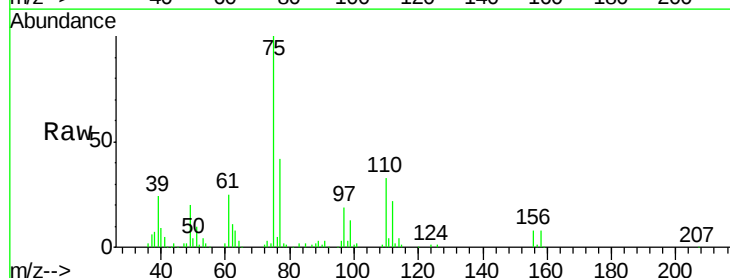
Acq: 6 Mar 2019 17:20

Tgt Ion: 75 Resp: 175934

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

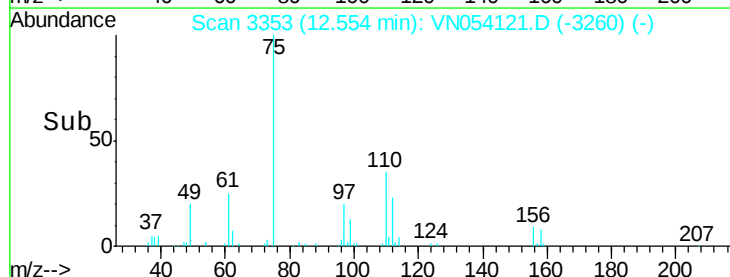
100000

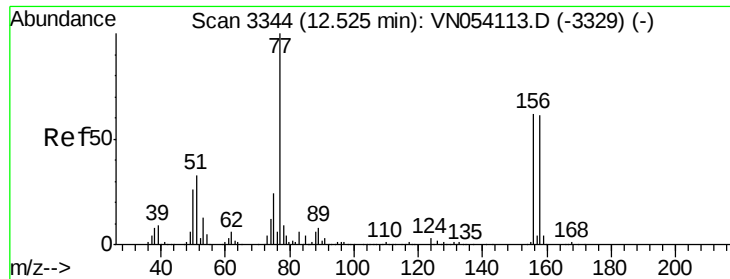
50000

0

Time-->

12.50 12.55





#77

Bromobenzene

Concen: 20.077 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

VN0306WBS01

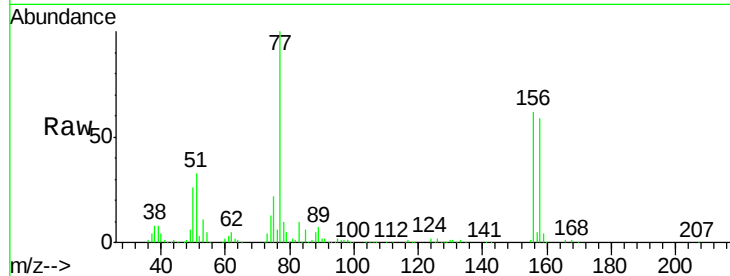
Tgt Ion:156 Resp: 144092

Ion Ratio Lower Upper

156 100

77 191.2 93.6 280.8

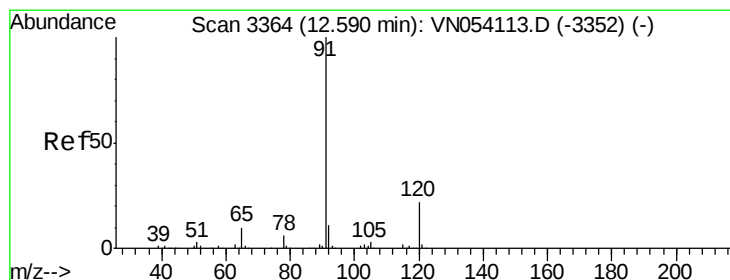
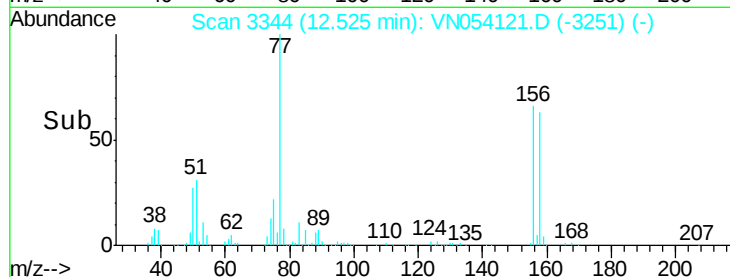
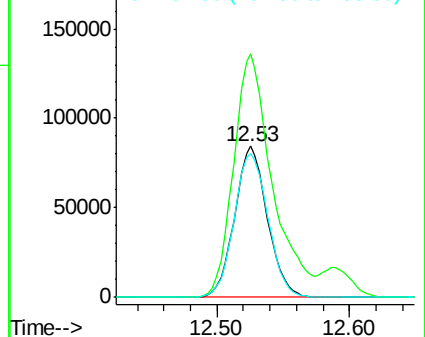
158 98.6 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.624 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054121.D

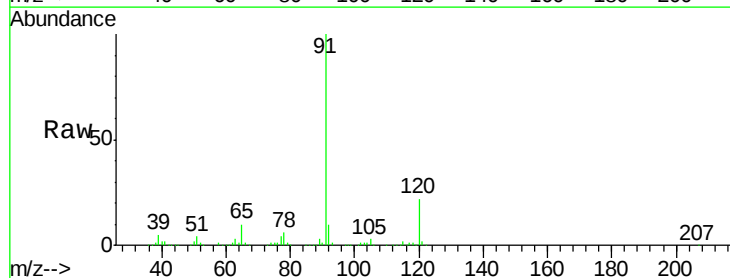
Acq: 6 Mar 2019 17:20

Tgt Ion: 91 Resp: 703842

Ion Ratio Lower Upper

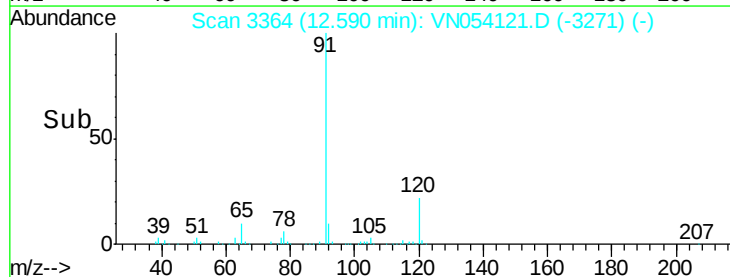
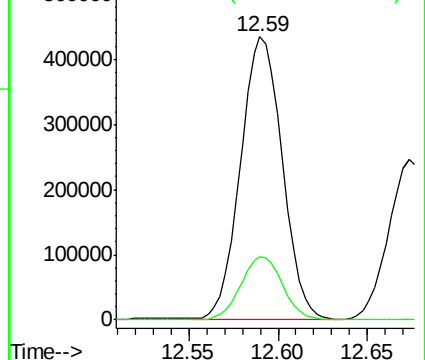
91 100

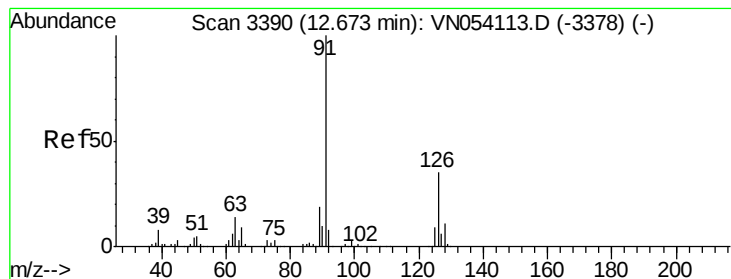
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.852 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

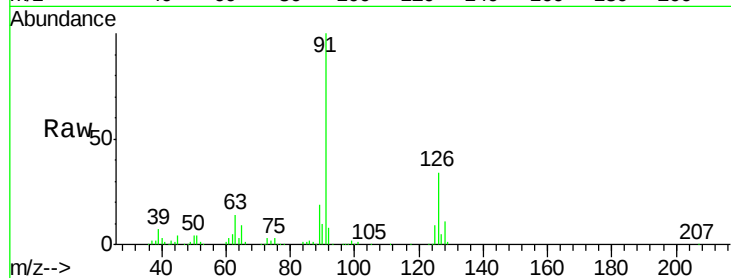
VN0306WBS01

Tgt Ion: 91 Resp: 411475

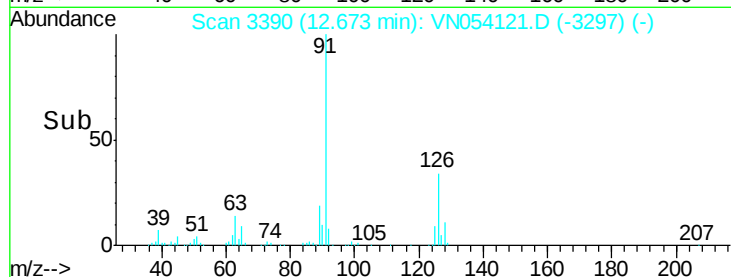
Ion Ratio Lower Upper

91 100

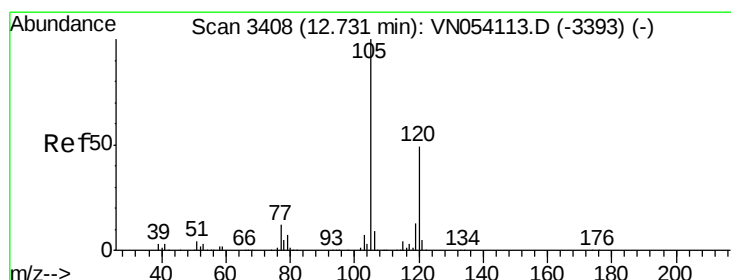
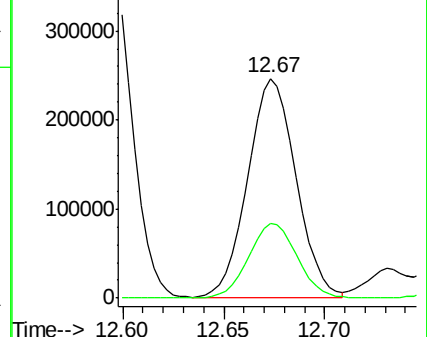
126 34.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054121.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN054121.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.567 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054121.D

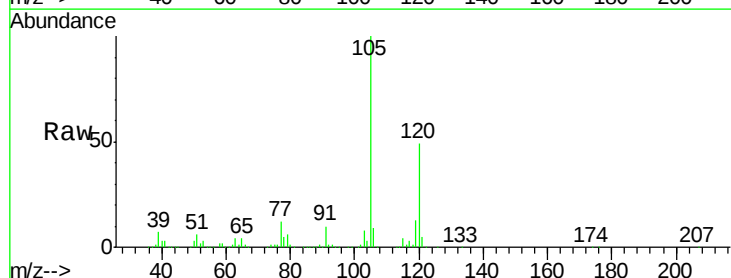
Acq: 6 Mar 2019 17:20

Tgt Ion: 105 Resp: 507059

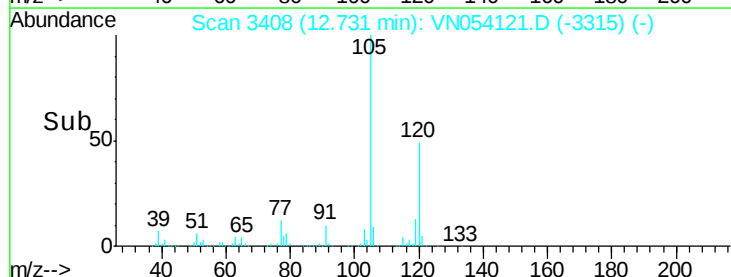
Ion Ratio Lower Upper

105 100

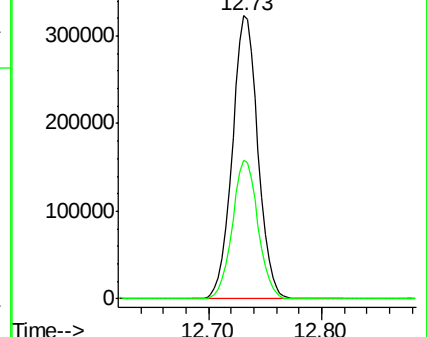
120 49.0 24.6 73.8

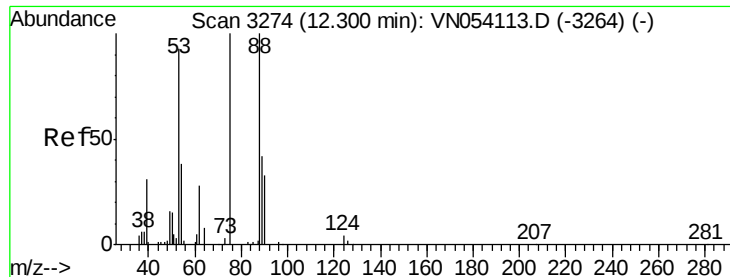


Abundance Ion 105.00 (104.70 to 105.70): VN054121.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN054121.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.982 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

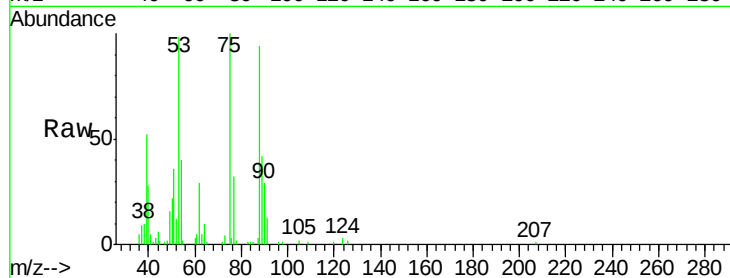
Tgt Ion: 75 Resp: 35905

Ion Ratio Lower Upper

75 100

53 99.8 76.4 114.6

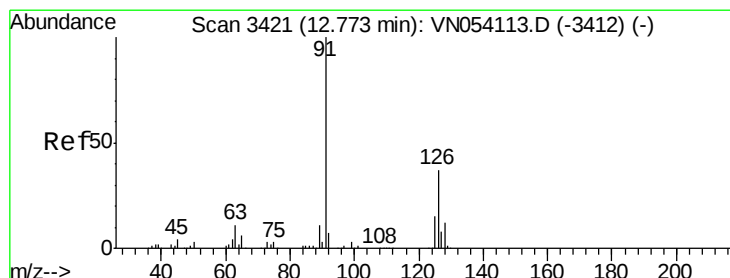
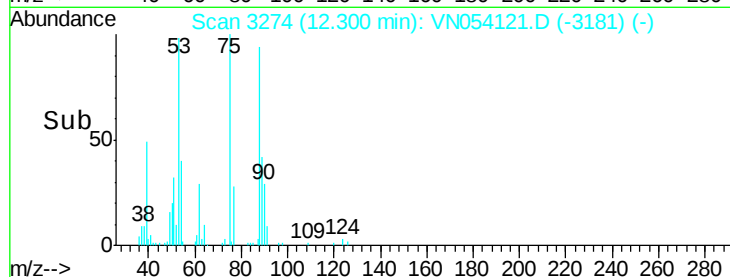
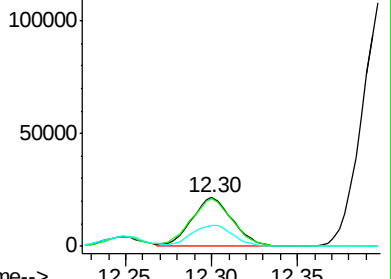
89 44.7 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.715 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054121.D

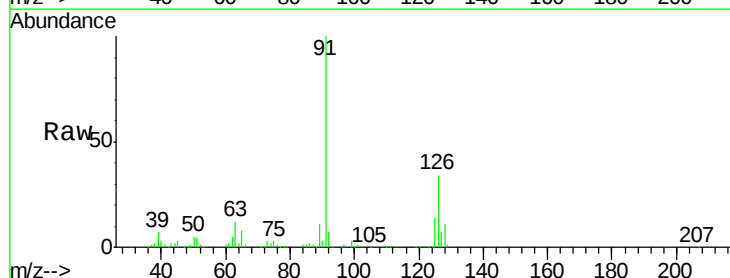
Acq: 6 Mar 2019 17:20

Tgt Ion: 91 Resp: 407371

Ion Ratio Lower Upper

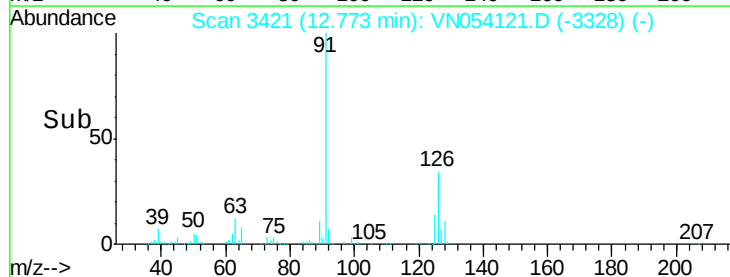
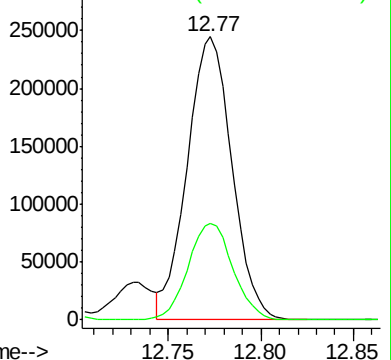
91 100

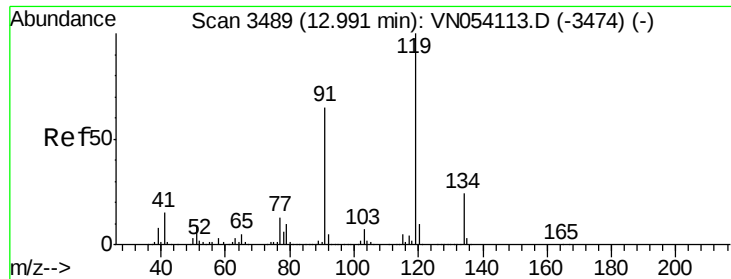
126 34.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

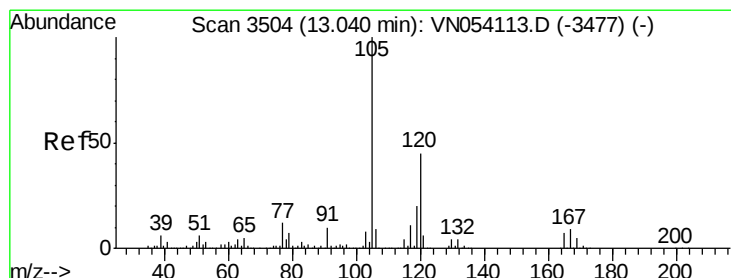
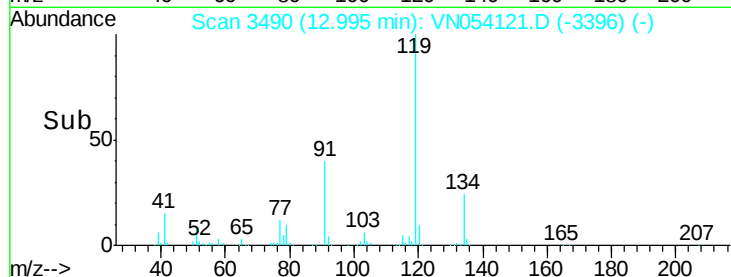
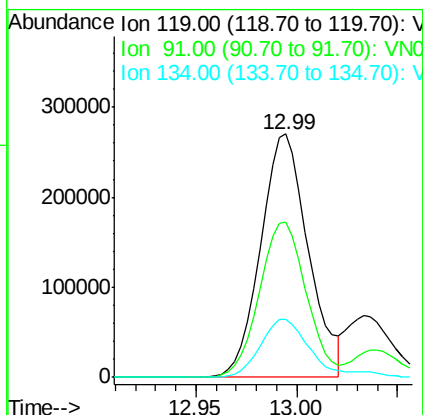
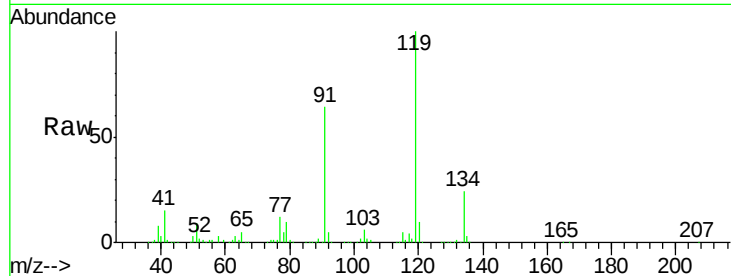




#83
 tert-Butylbenzene
 Concen: 20.358 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

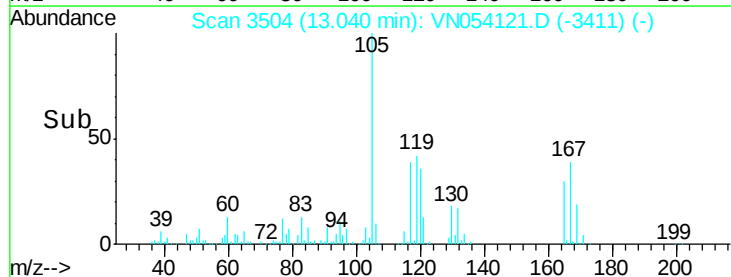
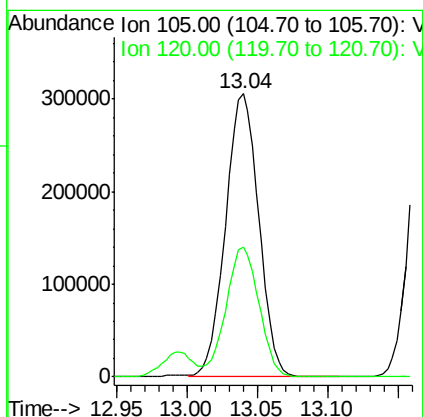
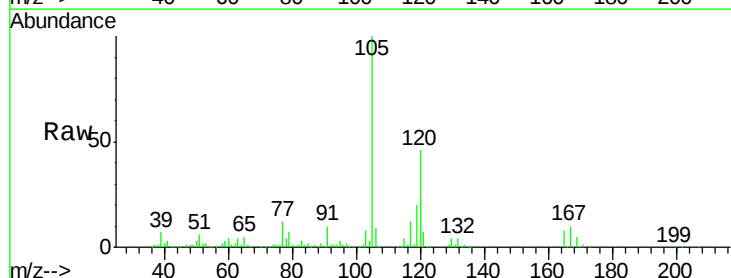
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

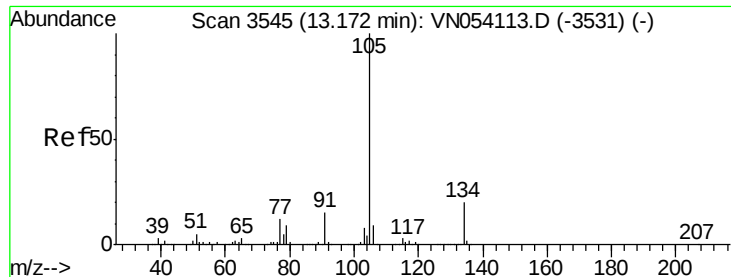
Tgt Ion:119 Resp: 444498
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.8 95.3
 134 25.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.546 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion:105 Resp: 502760
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.7

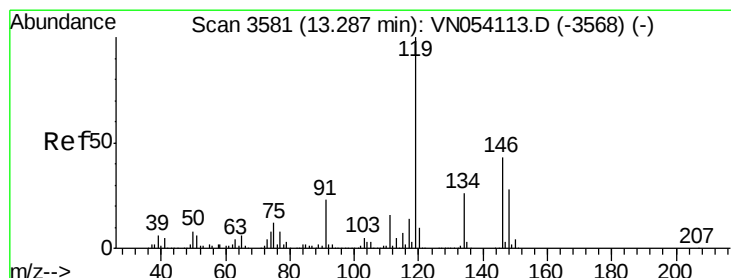
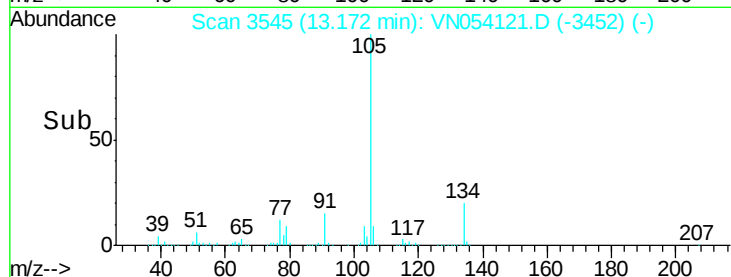
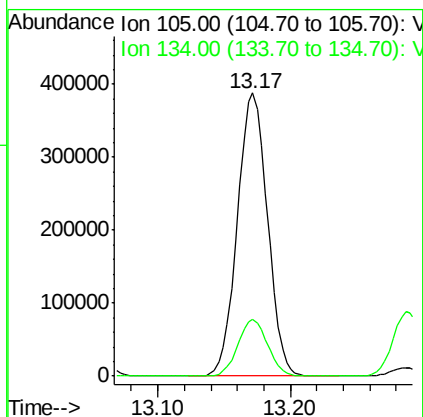
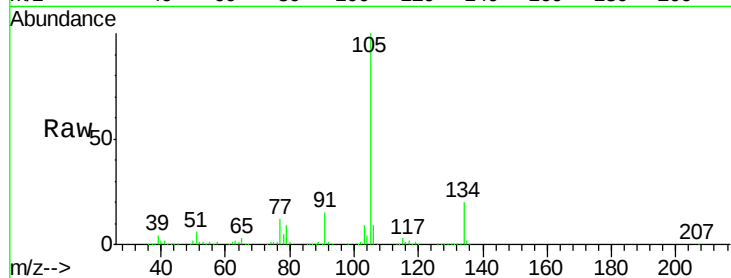




#85
 sec-Butylbenzene
 Concen: 20.632 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

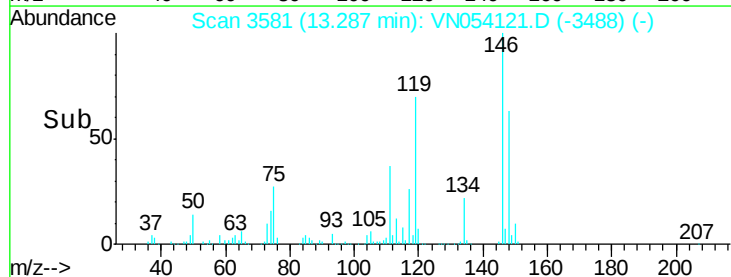
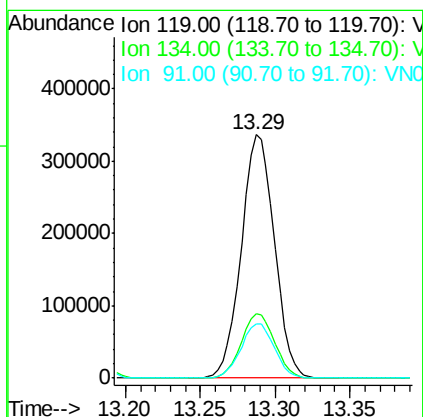
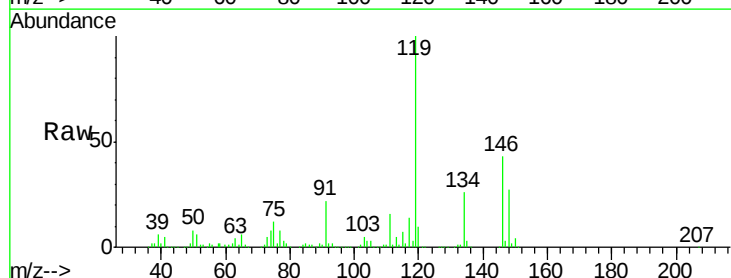
Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBS01

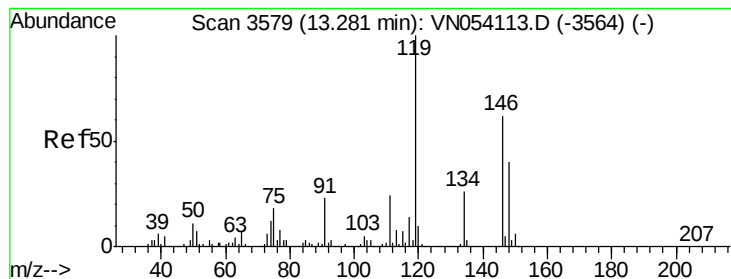
Tgt Ion:105 Resp: 611308
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.739 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion:119 Resp: 516590
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.382 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

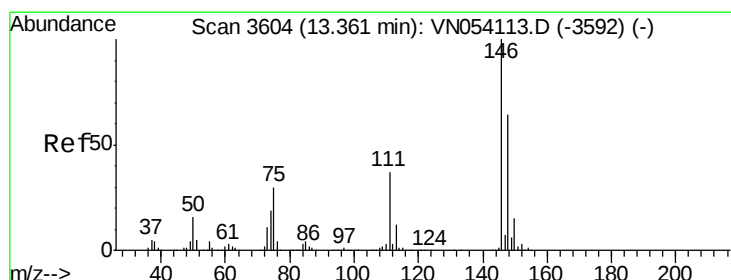
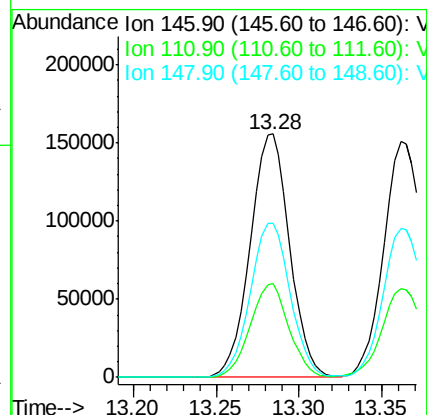
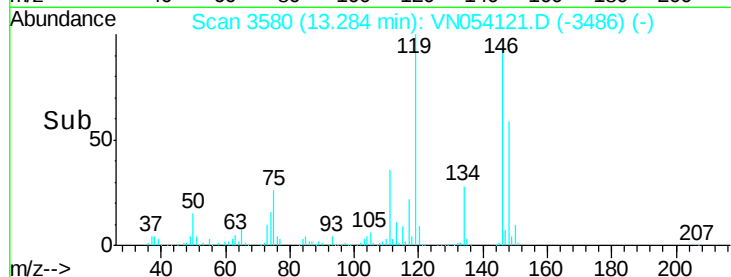
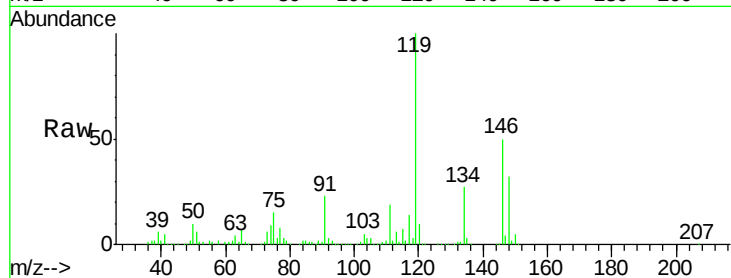
Tgt Ion:146 Resp: 257251

Ion Ratio Lower Upper

146 100

111 38.0 19.3 57.8

148 64.2 32.4 97.0



#88

1,4-Dichlorobenzene

Concen: 19.084 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

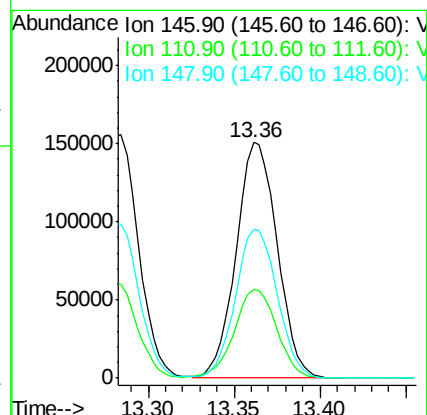
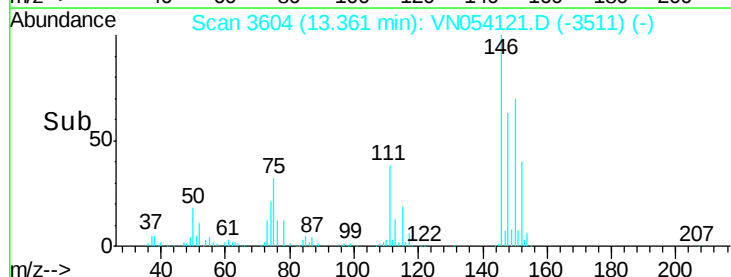
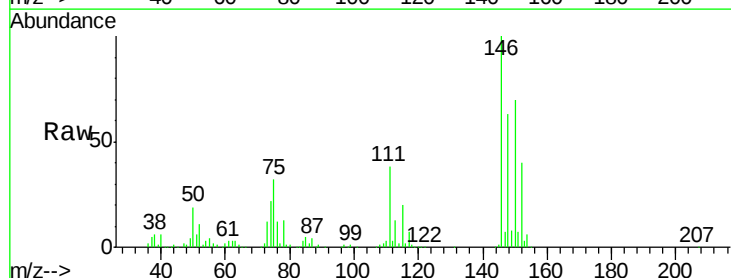
Tgt Ion:146 Resp: 251383

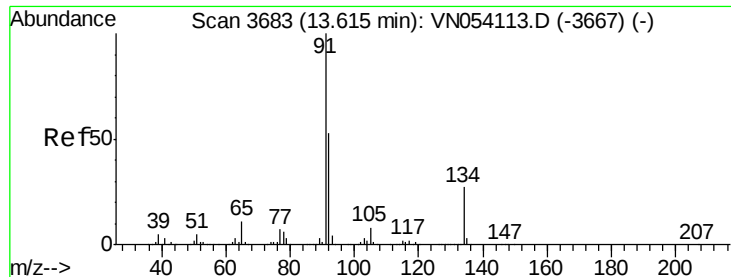
Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.5

148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 20.141 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

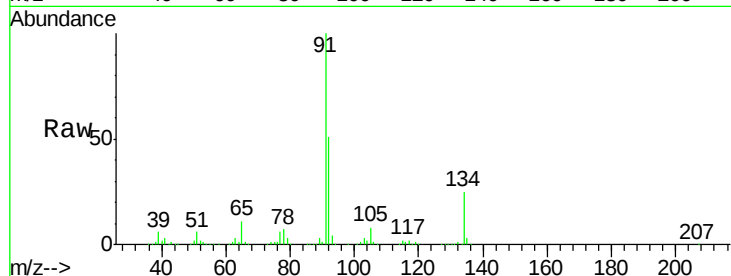
Tgt Ion: 91 Resp: 423591

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

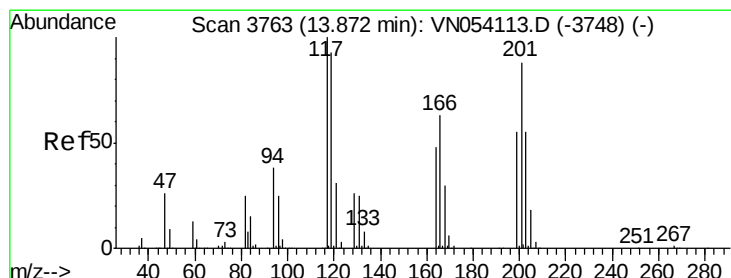
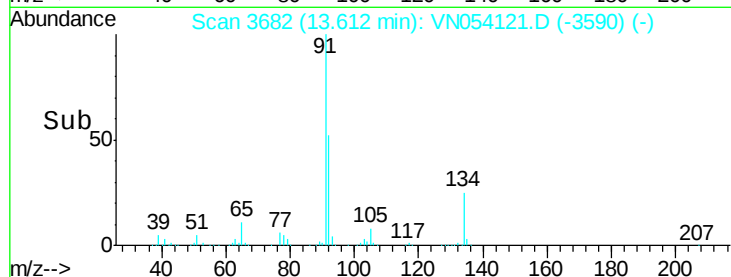
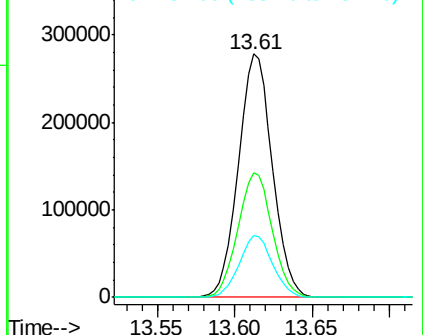
134 25.2 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054113.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054113.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054113.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.948 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054121.D

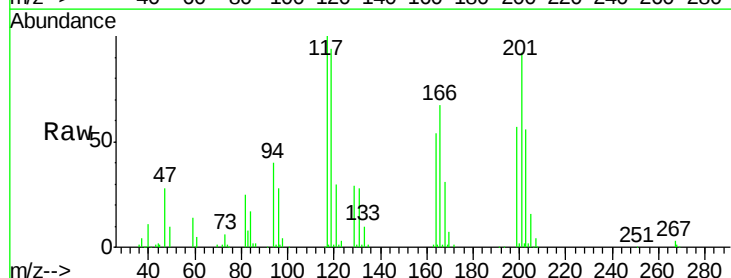
Acq: 6 Mar 2019 17:20

Tgt Ion: 117 Resp: 90526

Ion Ratio Lower Upper

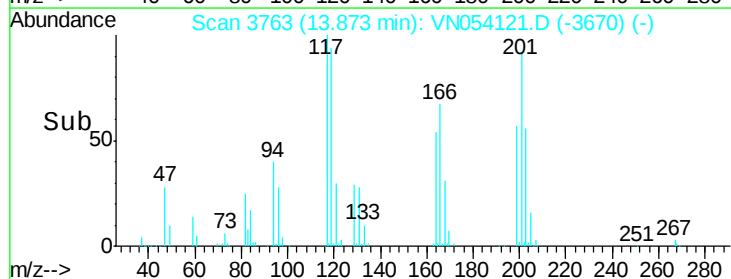
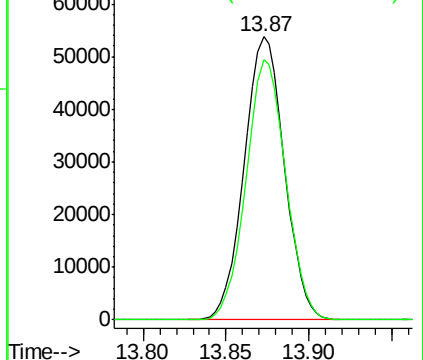
117 100

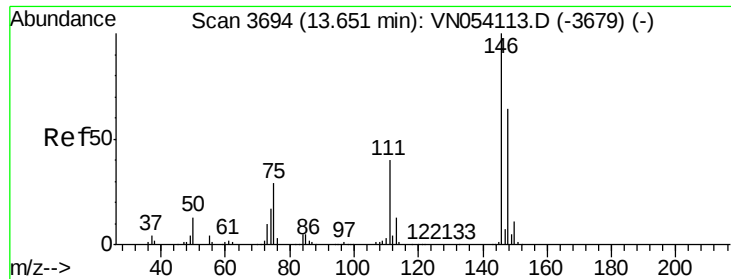
201 90.6 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054113.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054113.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.276 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBS01

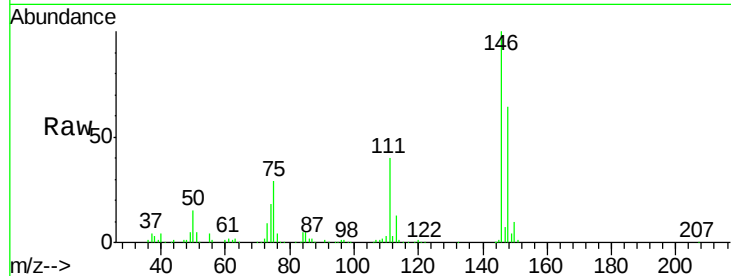
Tgt Ion:146 Resp: 250207

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

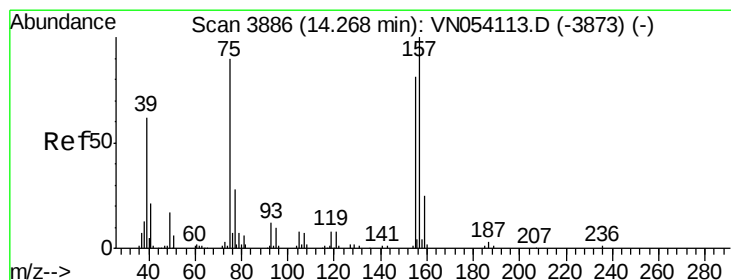
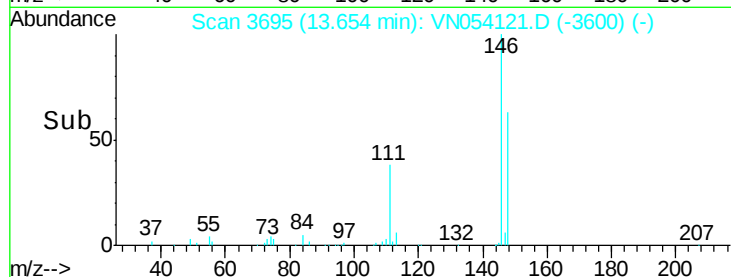
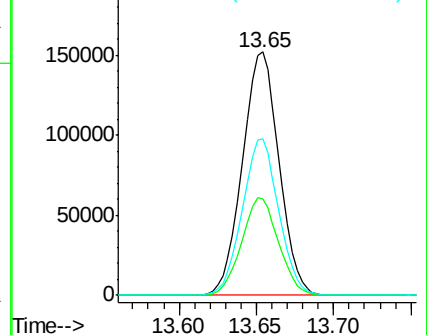
148 63.9 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.439 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054121.D

Acq: 6 Mar 2019 17:20

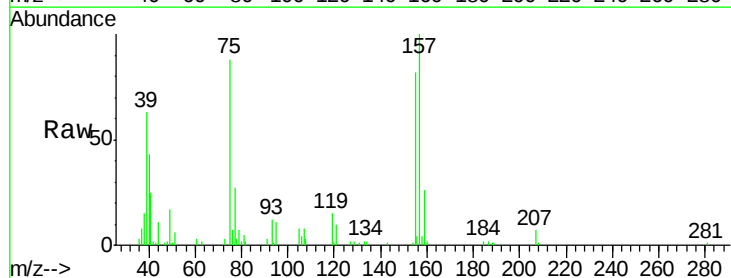
Tgt Ion: 75 Resp: 20405

Ion Ratio Lower Upper

75 100

155 94.7 44.5 133.5

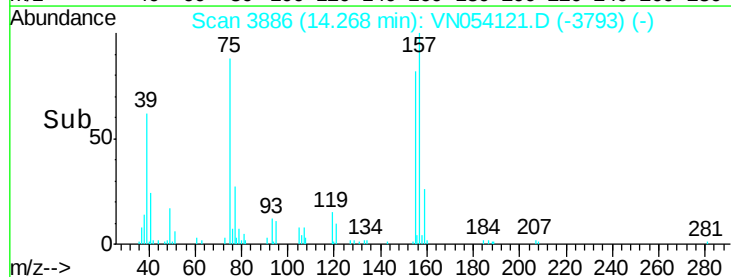
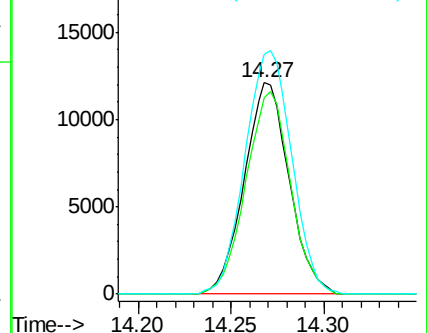
157 119.6 57.2 171.6

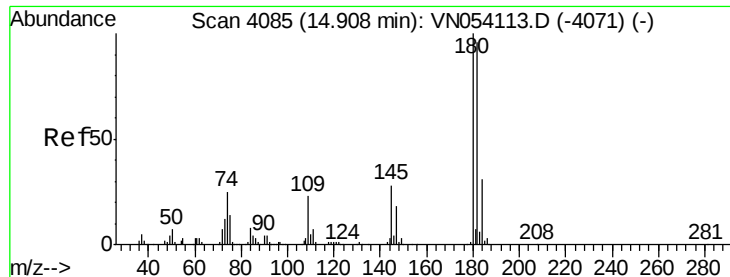


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

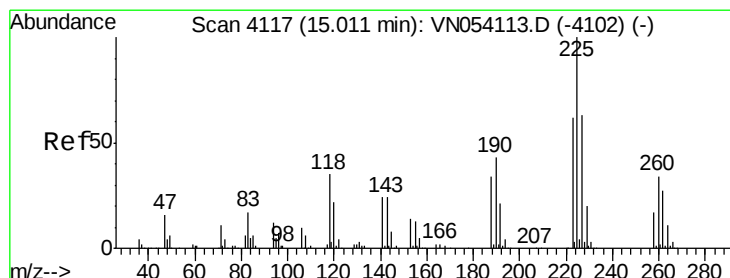
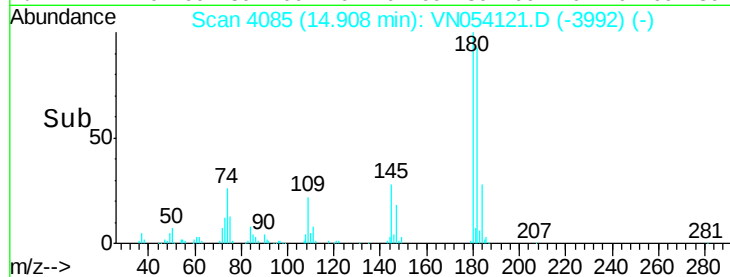
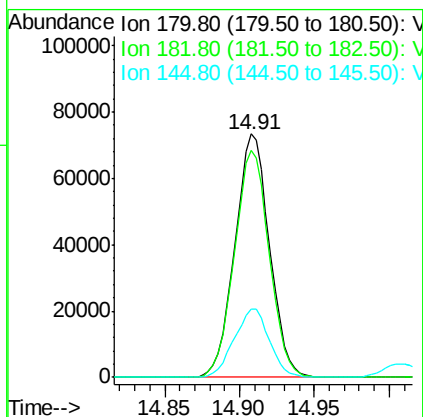
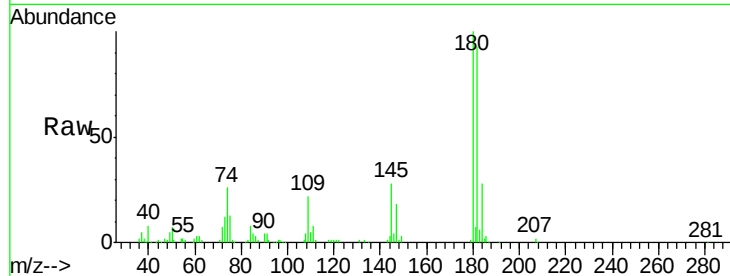




#93
 1,2,4-Trichlorobenzene
 Concen: 18.699 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

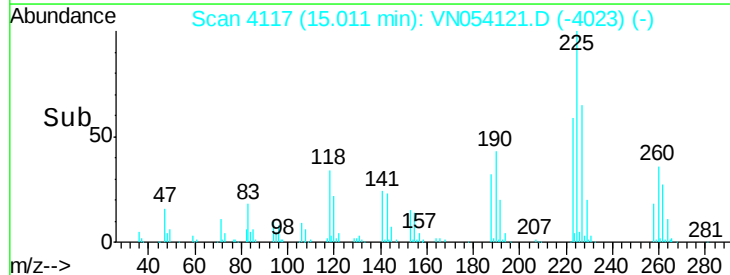
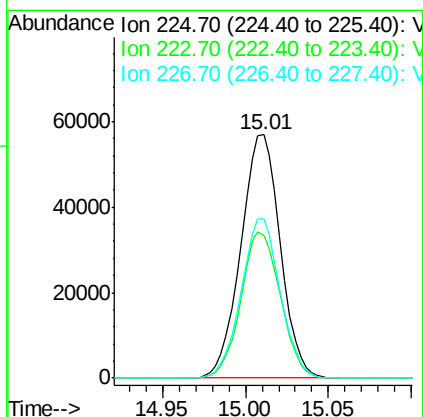
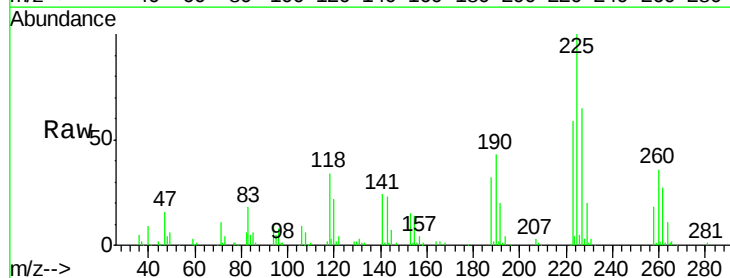
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBS01

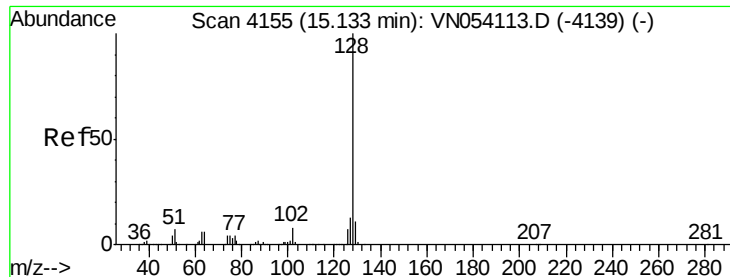
Tgt Ion:180 Resp: 117940
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.1 144.3
 145 28.5 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 22.464 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054121.D
 Acq: 6 Mar 2019 17:20

Tgt Ion:225 Resp: 93972
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.2 93.6
 227 64.7 31.9 95.7

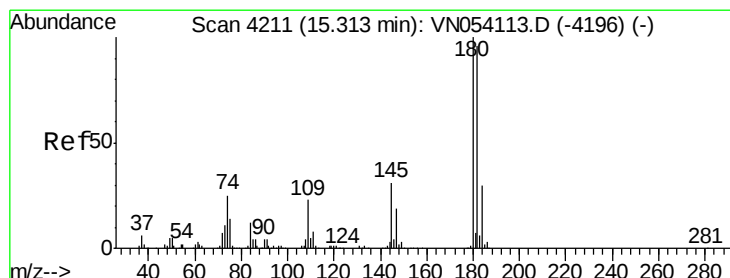
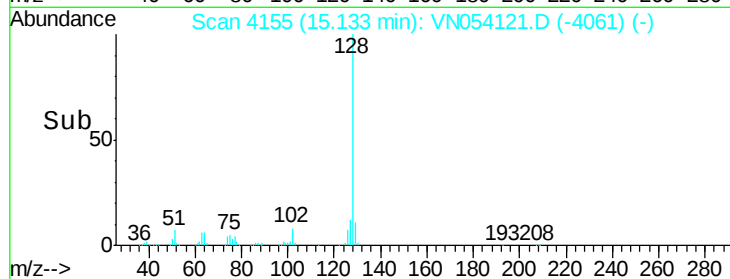
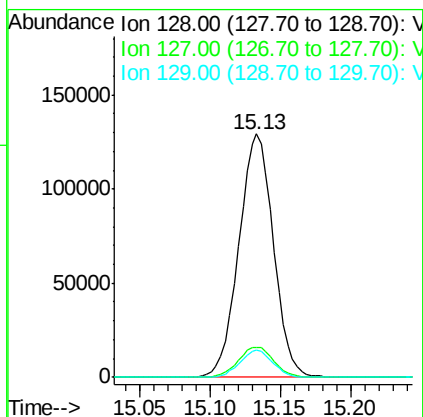
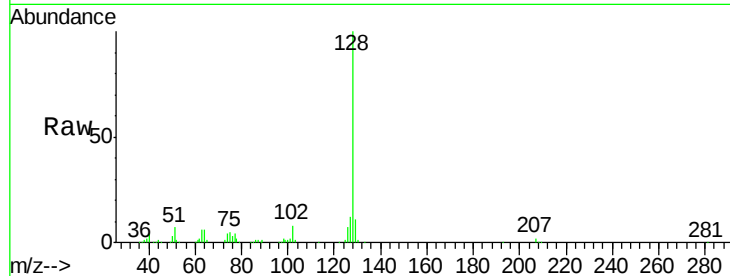




#95
Naphthalene
Concen: 18.661 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBS01

Tgt Ion:128 Resp: 221866
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.337 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054121.D
Acq: 6 Mar 2019 17:20

Tgt Ion:180 Resp: 119180
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 30.4 14.9 44.5

