

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012119\
 Data File : VN053504.D
 Acq On : 21 Jan 2019 14:04
 Operator : JC/SP
 Sample : VN0121MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Quant Time: Jan 22 04:05:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	714097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1074855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486021	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	370451	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	330250	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.09	98	1341448	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	467479	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	109545	19.080	ug/l	99
3) Chloromethane	2.06	50	153686	18.722	ug/l	99
4) Vinyl Chloride	2.19	62	149021	18.833	ug/l	98
5) Bromomethane	2.55	94	107435	19.788	ug/l	99
6) Chloroethane	2.70	64	93019	19.444	ug/l	98
7) Trichlorofluoromethane	3.02	101	206527	19.954	ug/l	100
8) Diethyl Ether	3.41	74	80032	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131202	20.016	ug/l	99
10) Methyl Iodide	3.95	142	192274	19.195	ug/l	100
11) Tert butyl alcohol	4.77	59	31077	89.982	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	125085	19.674	ug/l	97
13) Acrolein	3.60	56	57260	99.975	ug/l	98
14) Allyl chloride	4.32	41	207073	20.052	ug/l	99
15) Acrylonitrile	4.98	53	232231	102.173	ug/l	99
16) Acetone	3.81	43	153823	92.890	ug/l	100
17) Carbon Disulfide	4.06	76	349552	18.181	ug/l	99
18) Methyl Acetate	4.32	43	113438	20.332	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	344232	20.378	ug/l	100
20) Methylene Chloride	4.55	84	148691	19.667	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	135303	19.906	ug/l	98
22) Diisopropyl ether	5.95	45	447832	20.773	ug/l	100
23) Vinyl Acetate	5.89	43	1358572	102.516	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257731	20.223	ug/l	99
25) 2-Butanone	6.83	43	250386	98.119	ug/l	100
26) 2,2-Dichloropropane	6.82	77	183138	19.032	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158342	20.372	ug/l	100
28) Bromochloromethane	7.19	49	111370	19.836	ug/l	100
29) Tetrahydrofuran	7.21	42	166254	100.076	ug/l	99
30) Chloroform	7.37	83	256873	20.687	ug/l	99
31) Cyclohexane	7.65	56	239030	19.134	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	211507	20.080	ug/l	98
36) 1,1-Dichloropropene	7.79	75	196637	20.088	ug/l	99
37) Ethyl Acetate	6.92	43	111629	19.821	ug/l	98
38) Carbon Tetrachloride	7.77	117	183094	19.757	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	229711	18.986	ug/l	99
40) Benzene	8.04	78	600722	20.195	ug/l	98
41) Methacrylonitrile	7.17	41	65067	19.851	ug/l	96
42) 1,2-Dichloroethane	8.12	62	176563	20.374	ug/l	99
43) Isopropyl Acetate	8.16	43	207358	20.476	ug/l	99
44) Trichloroethene	8.83	130	167618	20.319	ug/l	98
45) 1,2-Dichloropropane	9.12	63	156824	19.904	ug/l	100
46) Dibromomethane	9.21	93	91126	20.131	ug/l	99
47) Bromodichloromethane	9.40	83	189762	19.934	ug/l	98
48) Methyl methacrylate	9.20	41	104231	19.935	ug/l	99
49) 1,4-Dioxane	9.20	88	17440	341.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	571473	103.376	ug/l	99
52) Toluene	10.15	92	369626	20.015	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190156	19.707	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	226479	20.022	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	131453	20.646	ug/l	98
56) Ethyl methacrylate	10.43	69	162942	19.349	ug/l	100
57) 1,3-Dichloropropane	10.71	76	226600	20.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	450953	101.243	ug/l	100
59) 2-Hexanone	10.75	43	379973	97.915	ug/l	100
60) Dibromochloromethane	10.90	129	144305	19.983	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129948	20.181	ug/l	100
64) Tetrachloroethene	10.63	164	188255	20.457	ug/l	99
65) Chlorobenzene	11.43	112	415678	20.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144638	20.115	ug/l	99
67) Ethyl Benzene	11.51	91	694561	19.718	ug/l	99
68) m/p-Xylenes	11.62	106	545645	41.027	ug/l	99
69) o-Xylene	11.95	106	266815	20.646	ug/l	97
70) Styrene	11.96	104	427903	20.402	ug/l	99
71) Bromoform	12.13	173	98582	19.914	ug/l #	99
73) Isopropylbenzene	12.25	105	696948	19.582	ug/l	100
74) N-amyl acetate	12.07	43	185711	19.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143823	19.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	200473	31.300	ug/l #	100
77) Bromobenzene	12.52	156	185856	19.817	ug/l	98
78) n-propylbenzene	12.59	91	808118	19.780	ug/l	99
79) 2-Chlorotoluene	12.67	91	481479	19.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	579892	20.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42759	18.573	ug/l	95
82) 4-Chlorotoluene	12.77	91	486726	19.709	ug/l	99
83) tert-Butylbenzene	12.99	119	516271	20.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	589514	20.190	ug/l	99
85) sec-Butylbenzene	13.17	105	701816	20.008	ug/l	100
86) p-Isopropyltoluene	13.29	119	610929	20.059	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334048	20.249	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324939	19.636	ug/l	99
89) n-Butylbenzene	13.61	91	504521	19.433	ug/l	100
90) Hexachloroethane	13.87	117	92361	19.336	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	321090	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20597	21.762	ug/l	99

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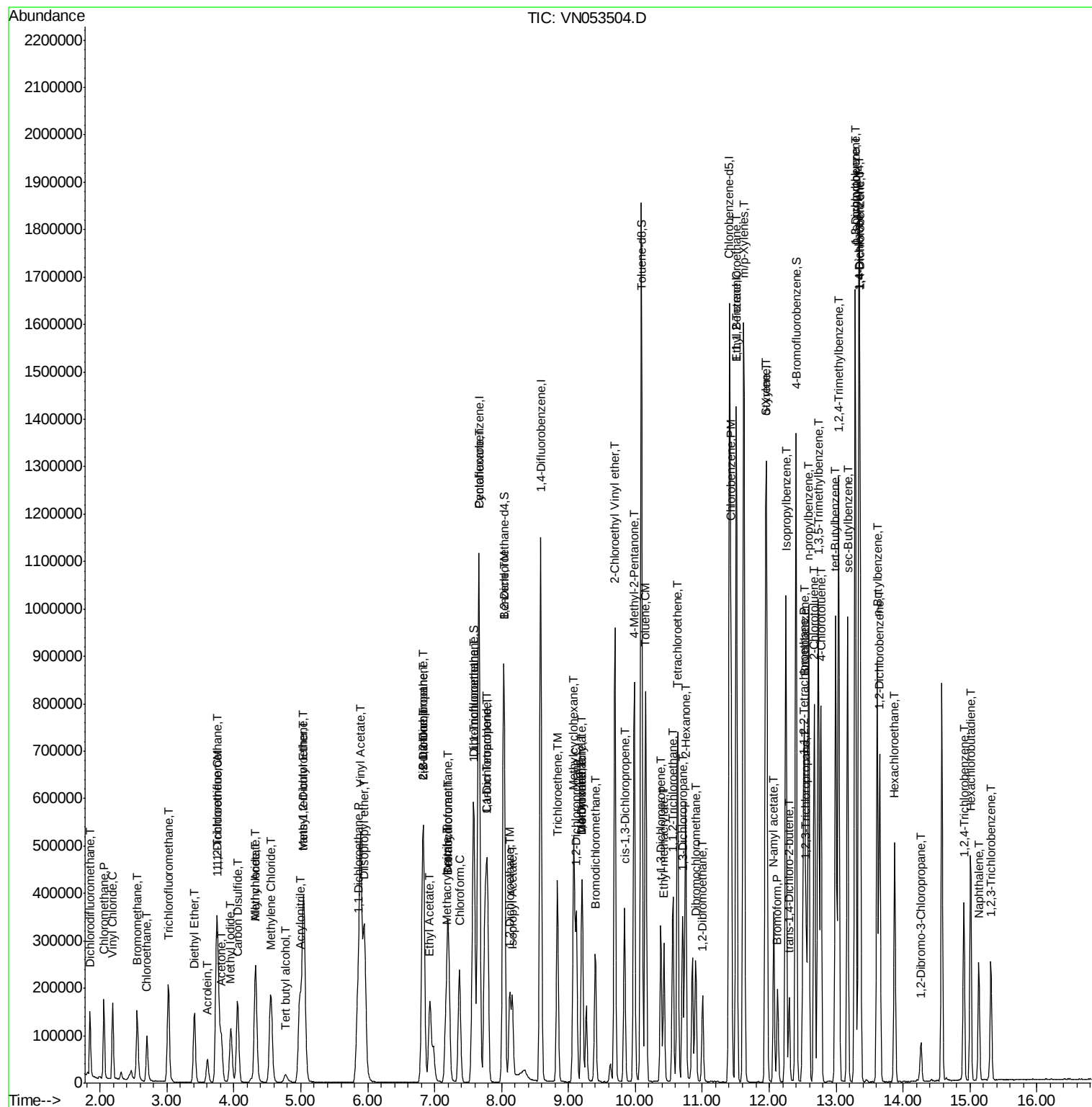
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133254	21.564	ug/l	98
94) Hexachlorobutadiene	15.01	225	104964	22.170	ug/l	99
95) Naphthalene	15.13	128	220960	21.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	97631	22.273	ug/l	98

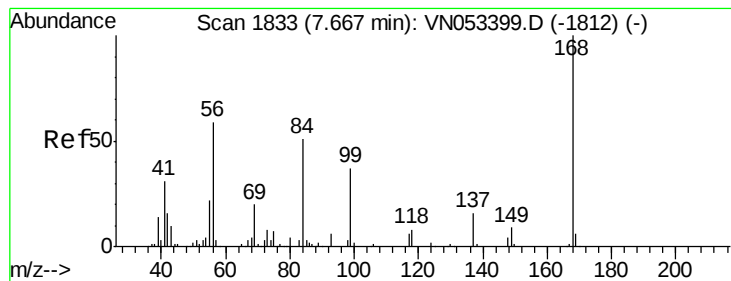
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

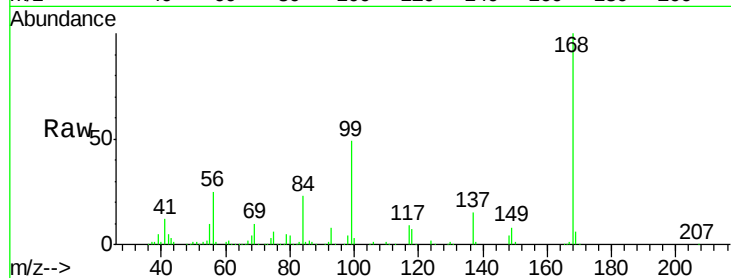
VN0121MBSD01

Tot Ion:168 Resp: 714097

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

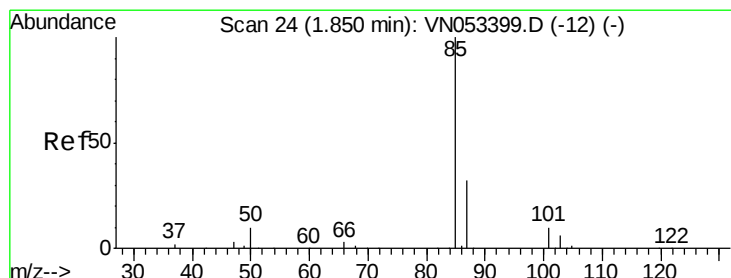
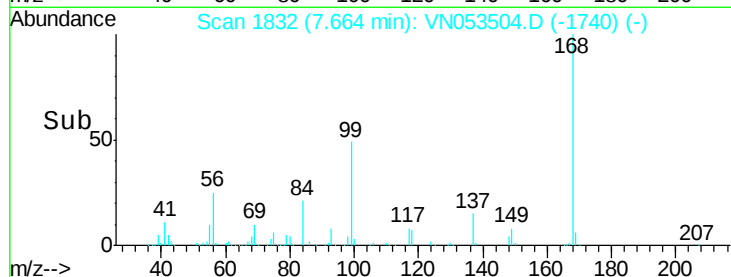
200000

100000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.080 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053504.D

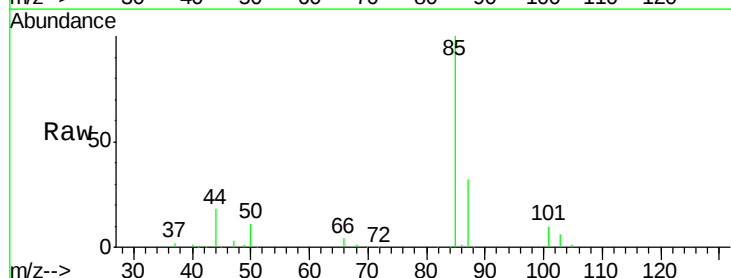
Acq: 21 Jan 2019 14:04

Tgt Ion: 85 Resp: 109545

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

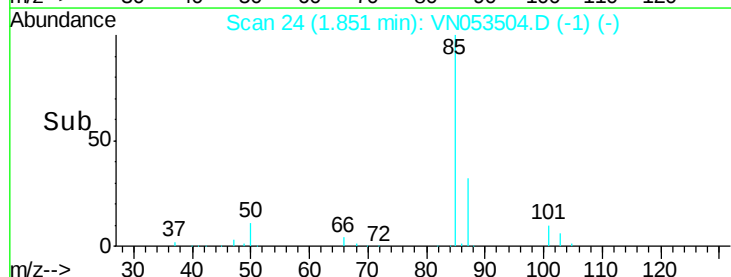
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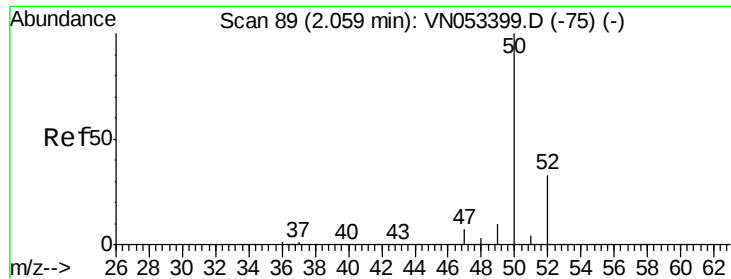
20000

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Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.722 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

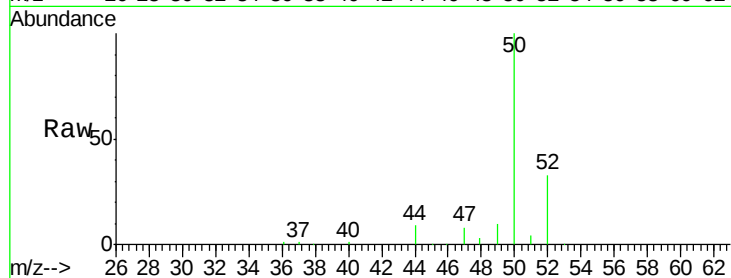
VN0121MBSD01

Tot Ion: 50 Resp: 153686

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN053399.D (-75) (-)

Ion 51.90 (51.60 to 52.60): VN053399.D (-75) (-)

2.06

120000

100000

80000

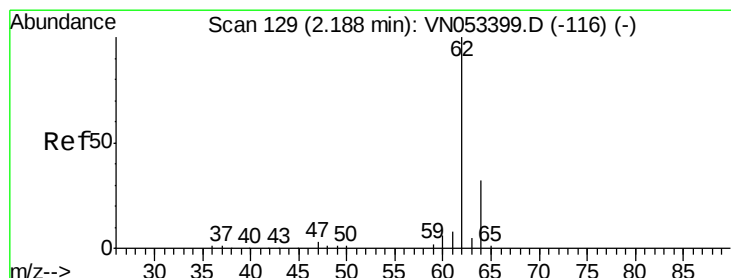
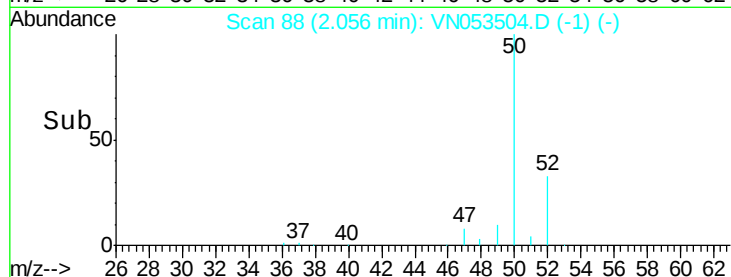
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.833 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053504.D

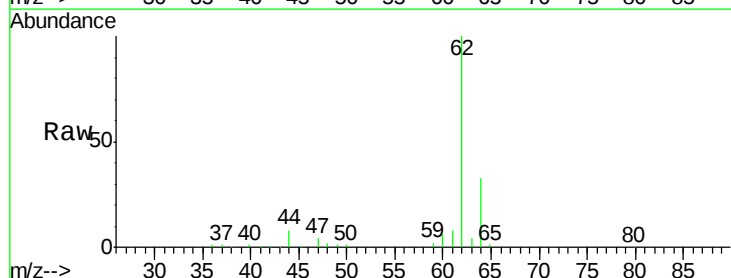
Acq: 21 Jan 2019 14:04

Tgt Ion: 62 Resp: 149021

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN053399.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN053399.D (-116) (-)

2.19

100000

80000

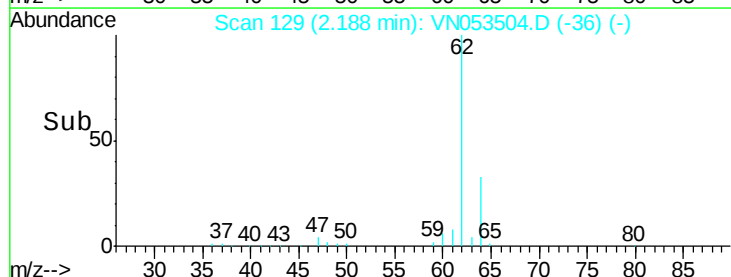
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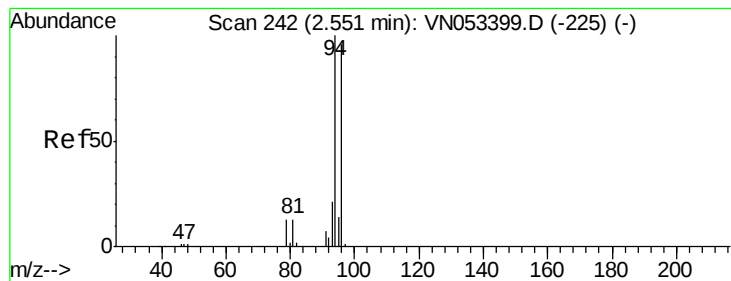
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.788 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

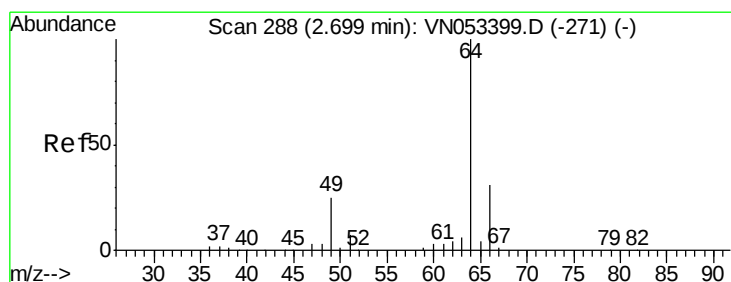
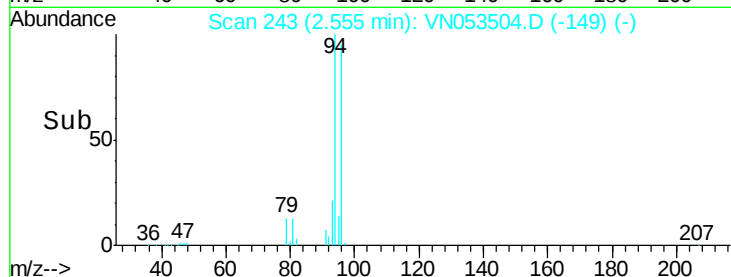
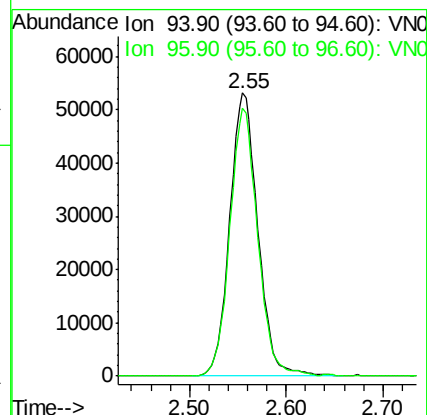
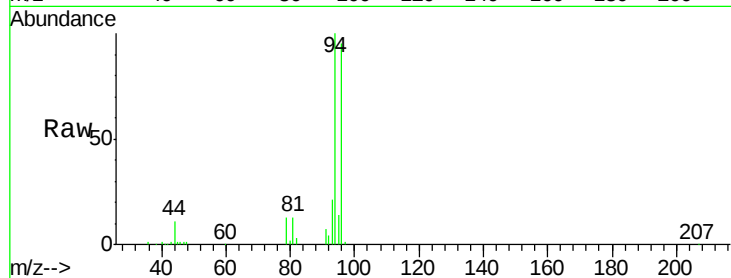
VN0121MBS01

Tot Ion: 94 Resp: 107435

Ion Ratio Lower Upper

94 100

96 94.7 76.8 115.2



#6

Chloroethane

Concen: 19.444 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN053504.D

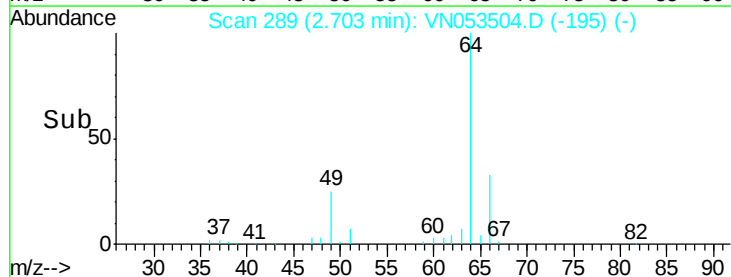
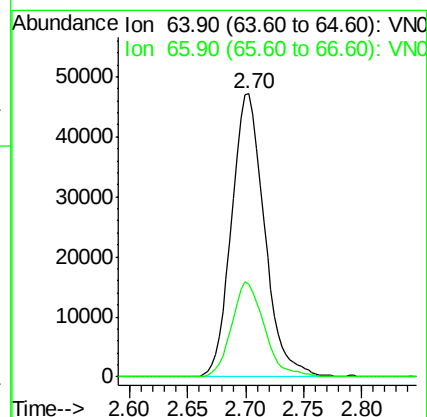
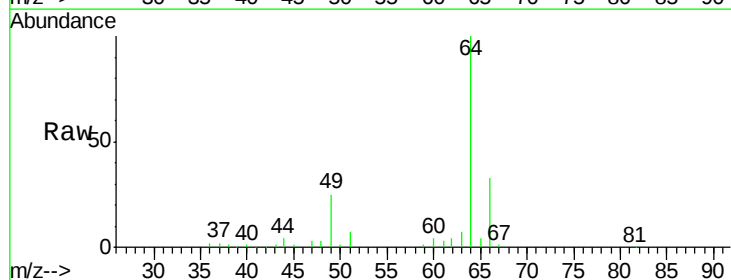
Acq: 21 Jan 2019 14:04

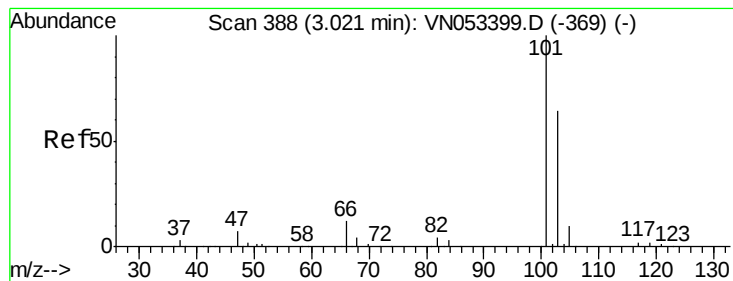
Tgt Ion: 64 Resp: 93019

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



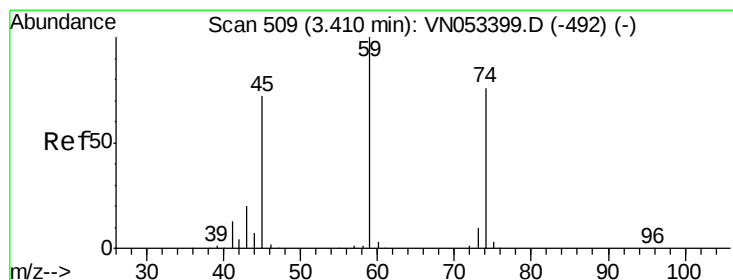
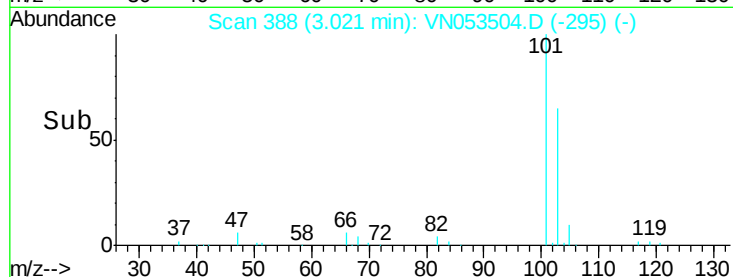
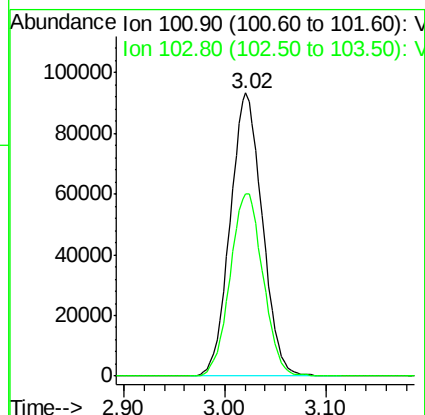
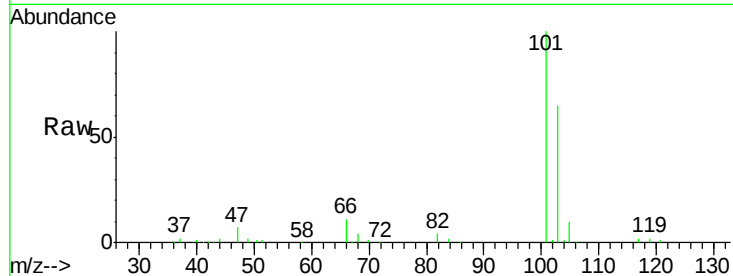


#7

Trichlorofluoromethane
Concen: 19.954 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

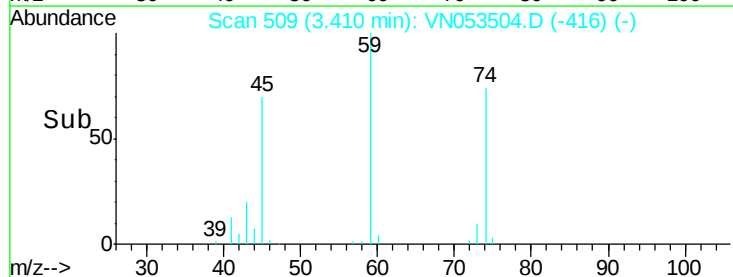
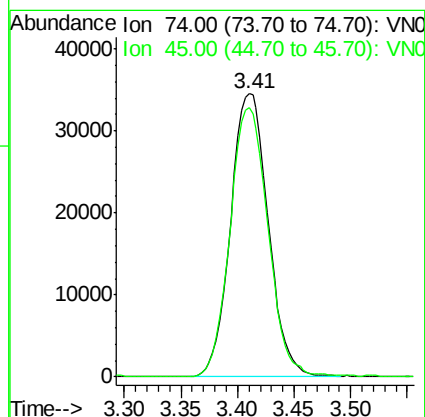
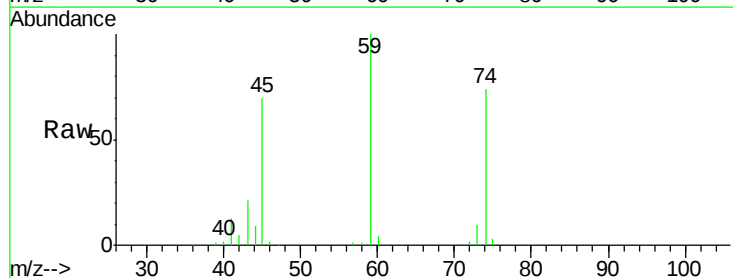
Tot Ion:101 Resp: 206527
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

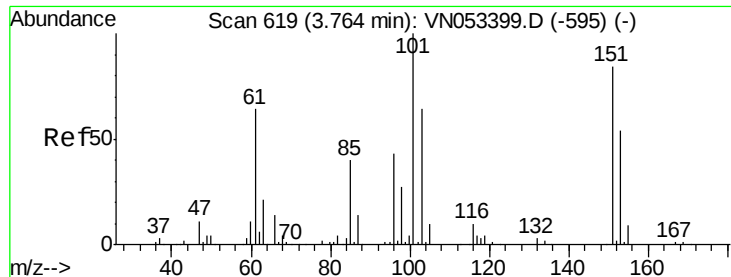


#8

Diethyl Ether
Concen: 20.588 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 74 Resp: 80032
Ion Ratio Lower Upper
74 100
45 96.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.016 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

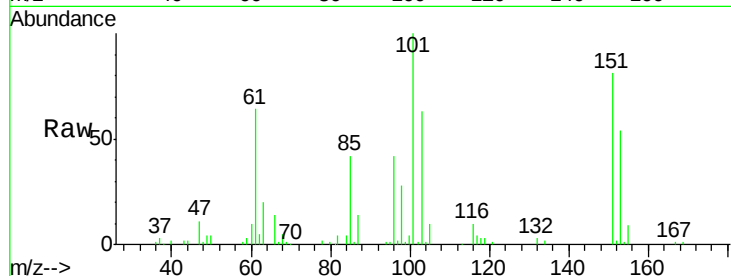
Tot Ion:101 Resp: 131202

Ion Ratio Lower Upper

101 100

85 42.3 32.8 49.2

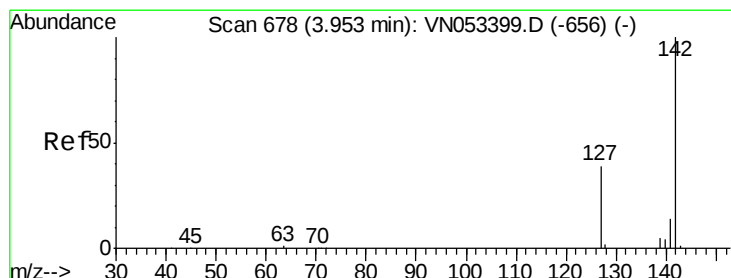
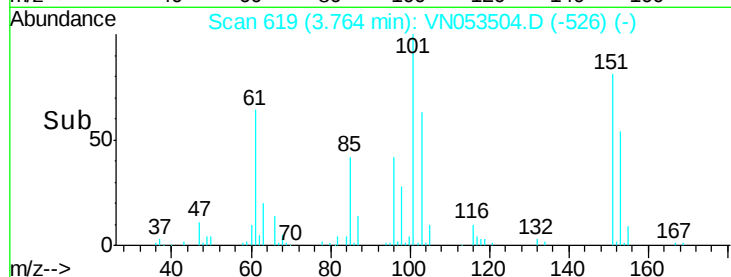
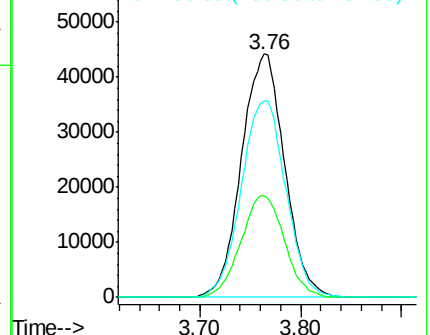
151 83.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.195 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

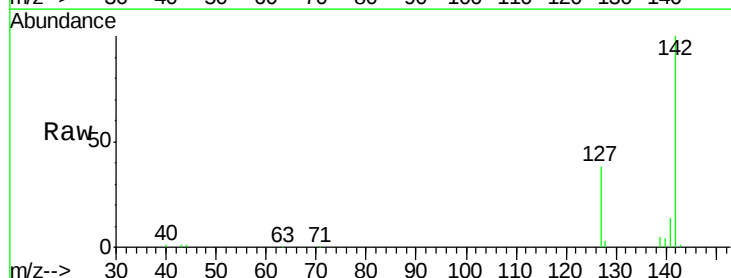
Tgt Ion:142 Resp: 192274

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

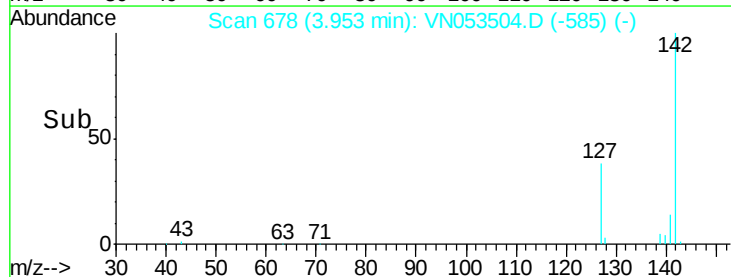
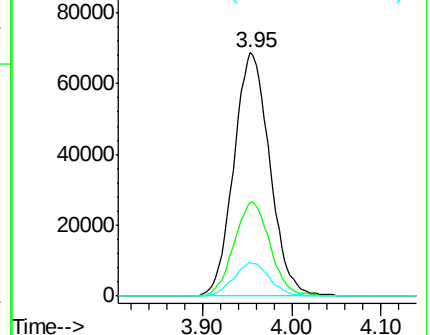
141 13.8 11.1 16.7

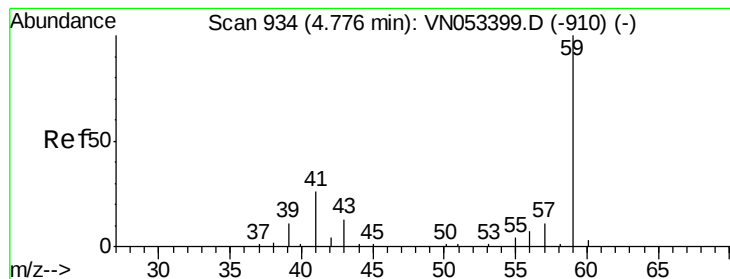


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



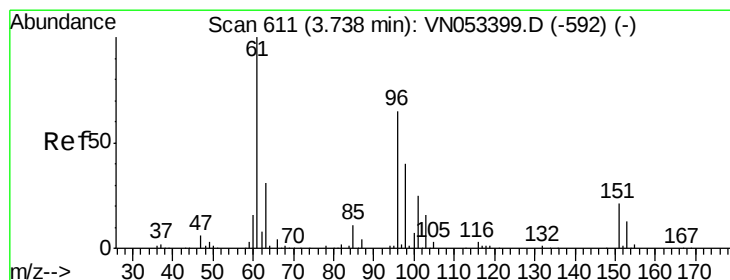
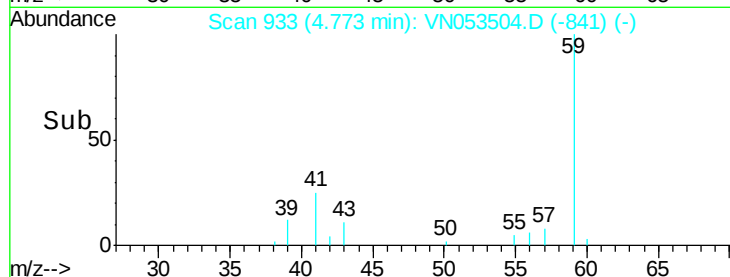
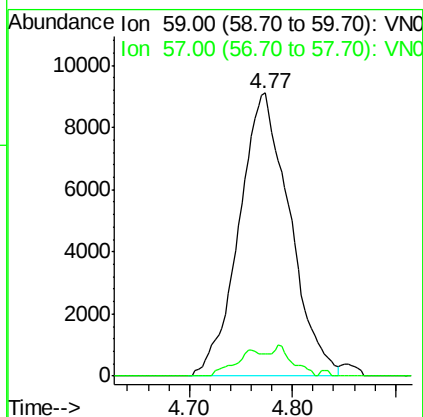
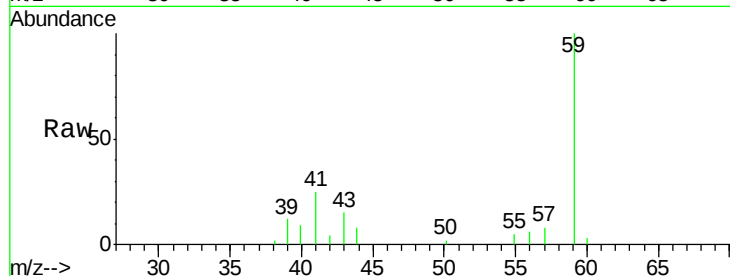


#11

Tert butyl alcohol
 Concen: 89.982 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBSD01

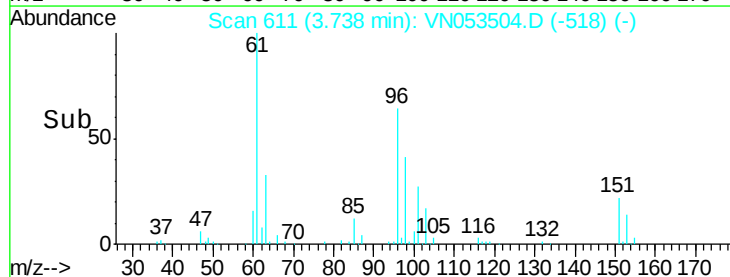
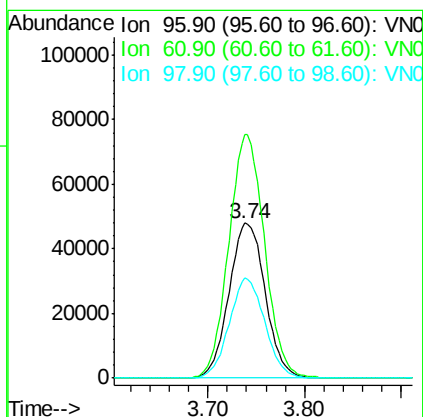
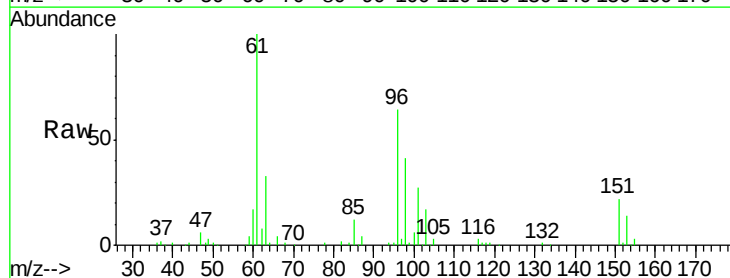
Tot Ion: 59 Resp: 31077
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

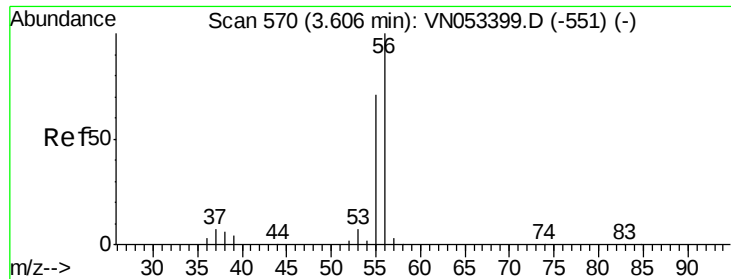


#12

1,1-Dichloroethene
 Concen: 19.674 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 96 Resp: 125085
 Ion Ratio Lower Upper
 96 100
 61 156.7 122.9 184.3
 98 64.5 49.4 74.0





#13

Acrolein

Concen: 99.975 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

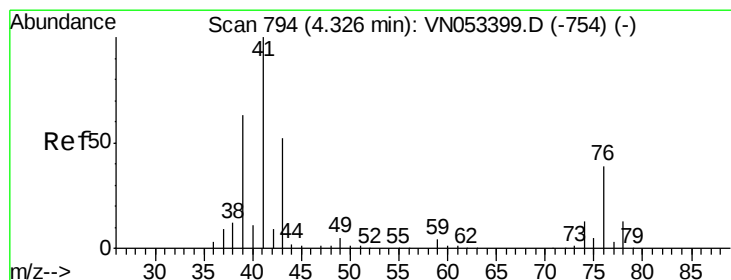
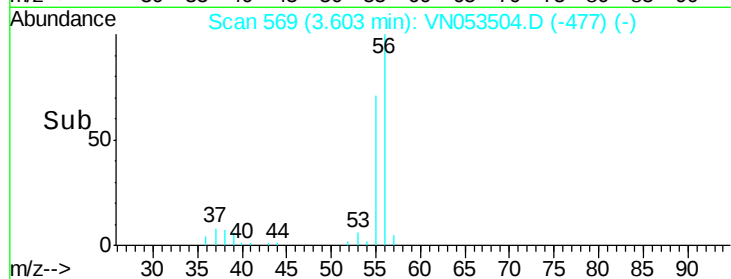
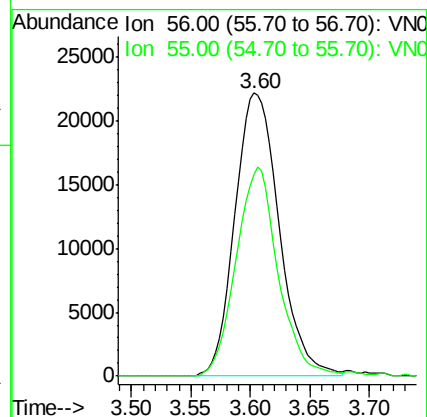
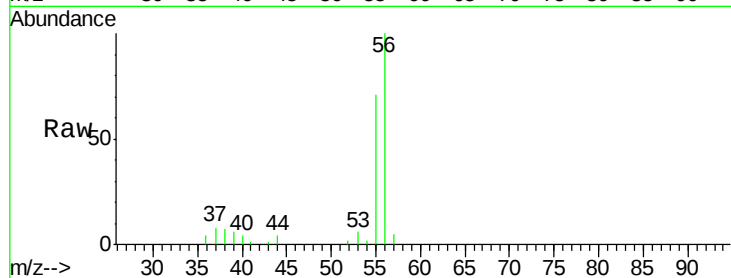
VN0121MBSD01

Tot Ion: 56 Resp: 57260

Ion Ratio Lower Upper

56 100

55 70.1 57.4 86.0



#14

Allyl chloride

Concen: 20.052 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

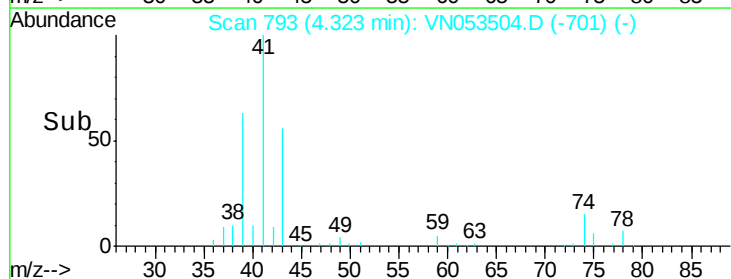
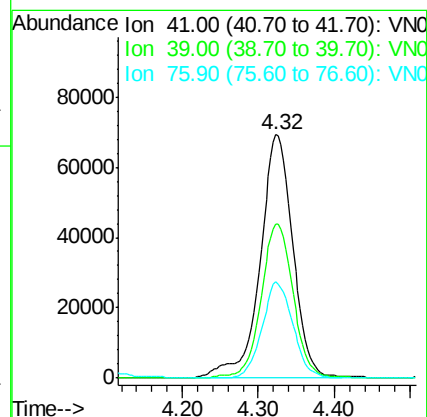
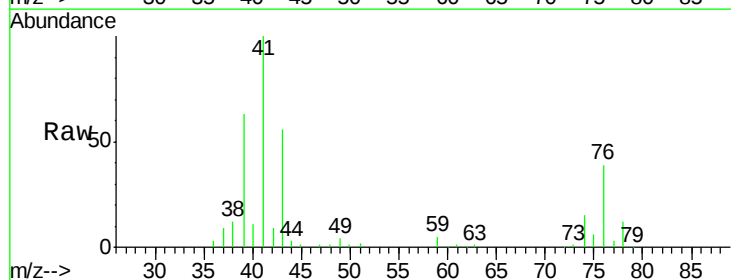
Tgt Ion: 41 Resp: 207073

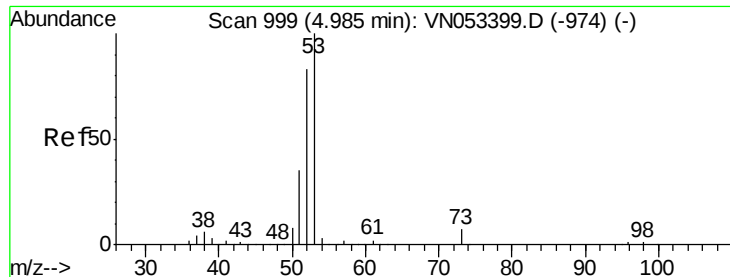
Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 37.1 29.4 44.2





#15

Acrylonitrile

Concen: 102.173 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

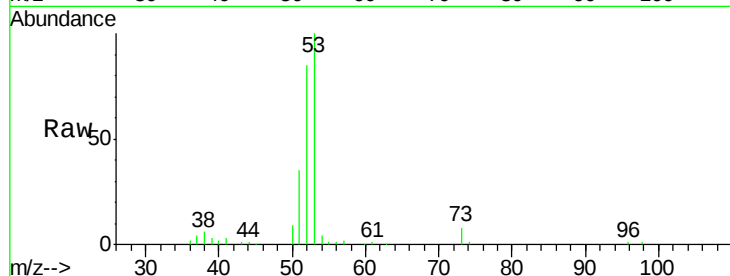
Tot Ion: 53 Resp: 232231

Ion Ratio Lower Upper

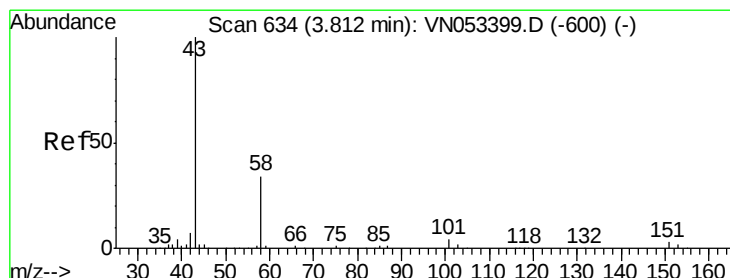
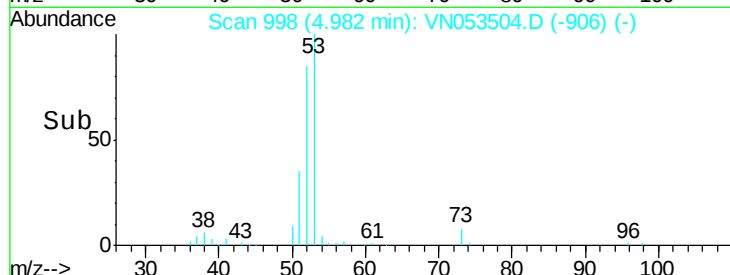
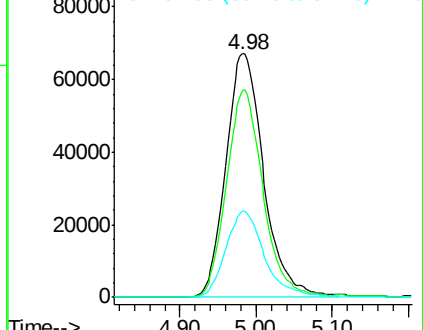
53 100

52 82.2 66.0 99.0

51 36.1 28.3 42.5



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: 92.890 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053504.D

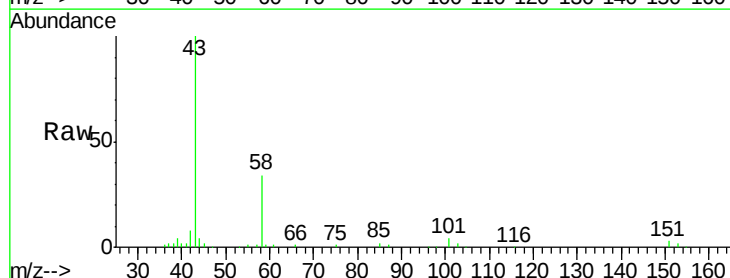
Acq: 21 Jan 2019 14:04

Tgt Ion: 43 Resp: 153823

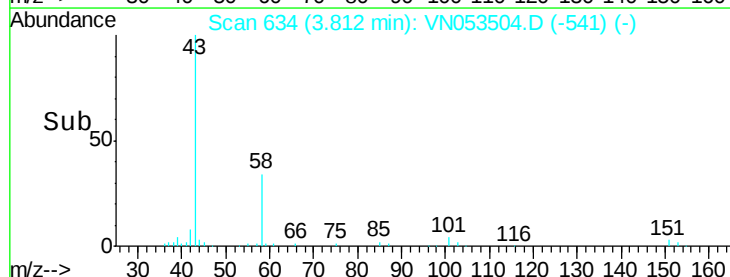
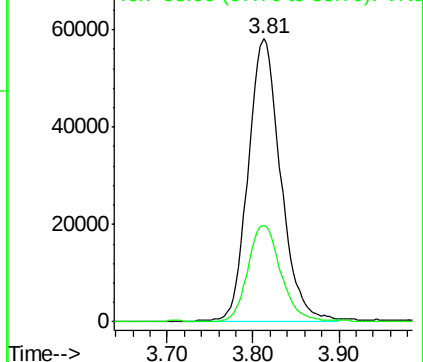
Ion Ratio Lower Upper

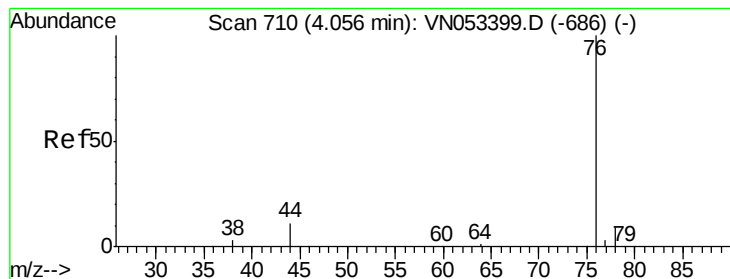
43 100

58 34.2 27.1 40.7



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





#17

Carbon Disulfide

Concen: 18.181 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

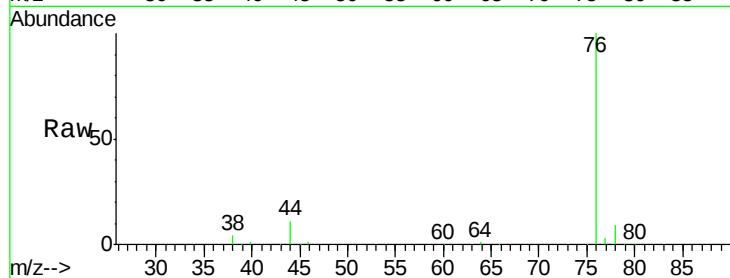
VN0121MBSD01

Tot Ion: 76 Resp: 349552

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

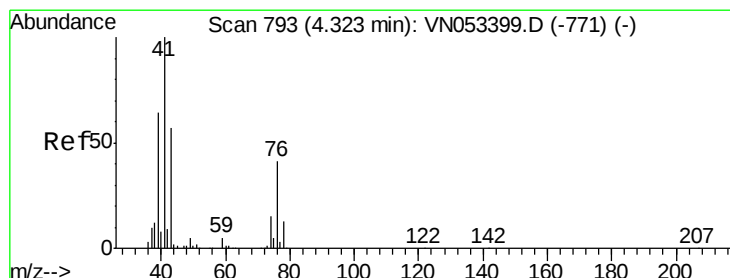
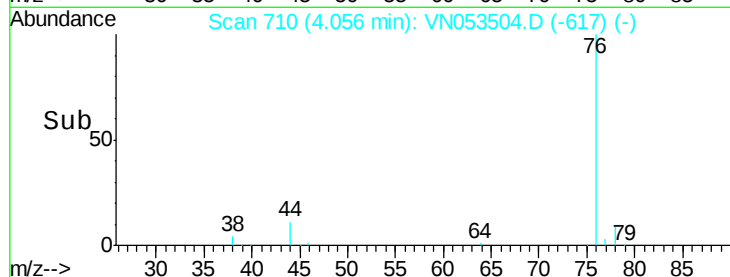
100000

50000

0

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 20.332 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053504.D

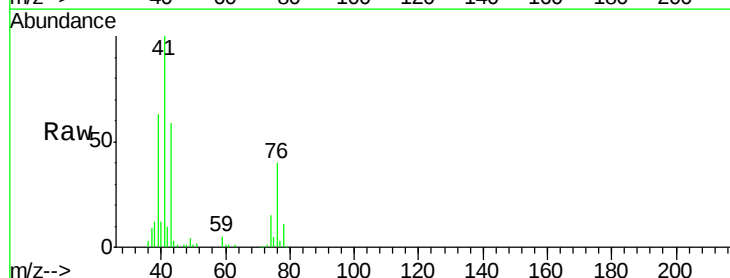
Acq: 21 Jan 2019 14:04

Tgt Ion: 43 Resp: 113438

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

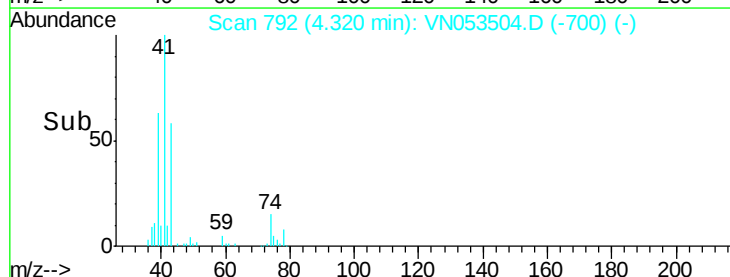
20000

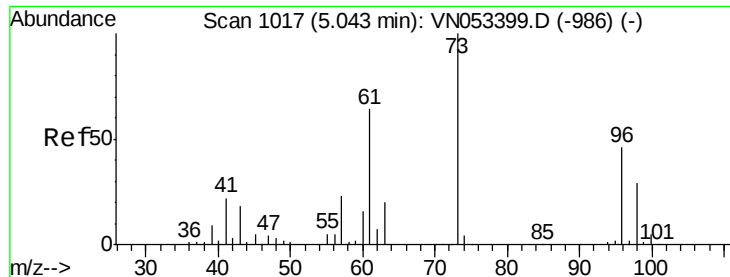
10000

0

4.20 4.30 4.40

Time-->

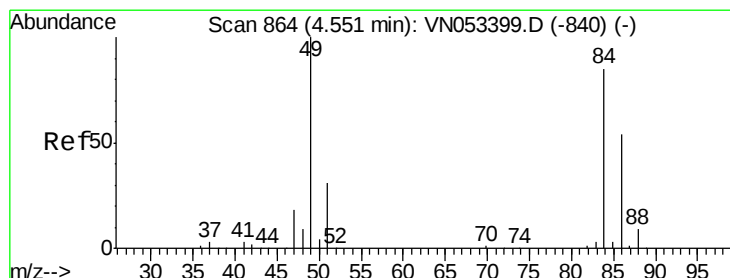
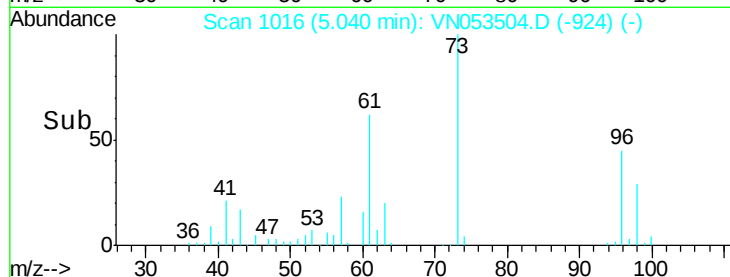
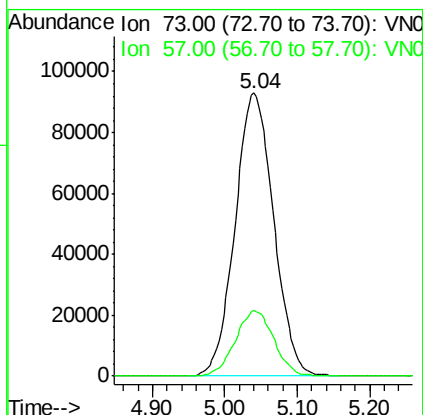
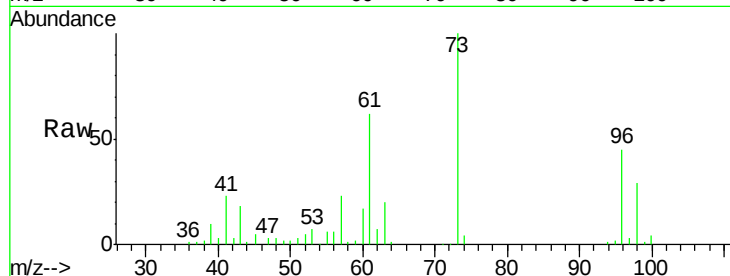




#19
Methvl tert-butvl Ether
Concen: 20.378 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

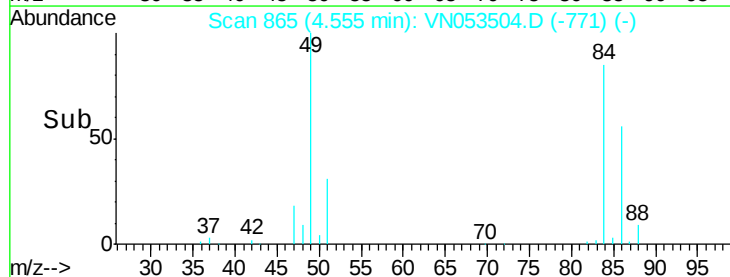
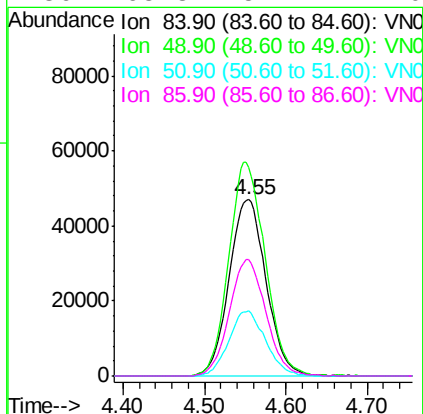
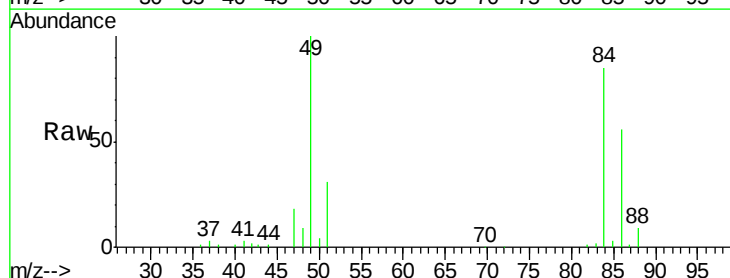
Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD01

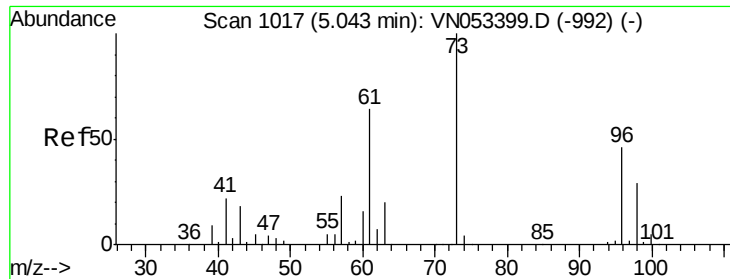
Tot Ion: 73 Resp: 344232
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 19.667 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 84 Resp: 148691
Ion Ratio Lower Upper
84 100
49 118.3 94.3 141.5
51 36.8 29.4 44.2
86 65.8 51.4 77.0

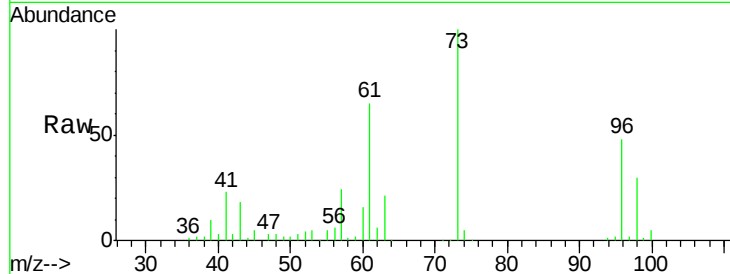




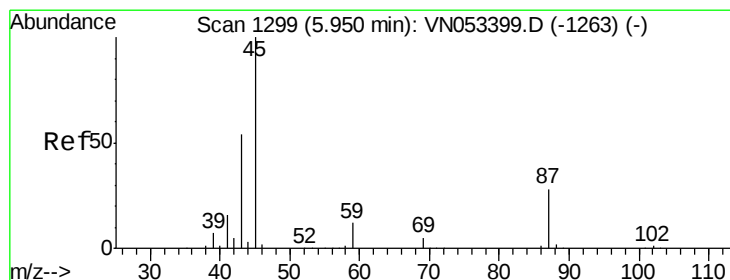
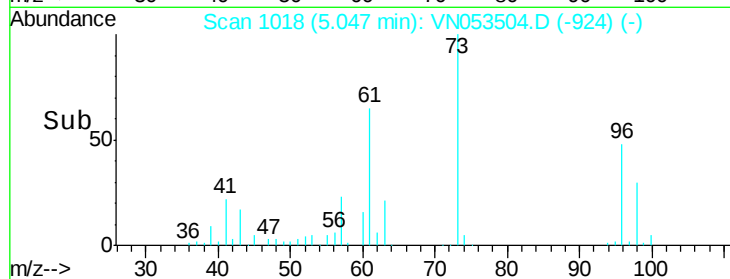
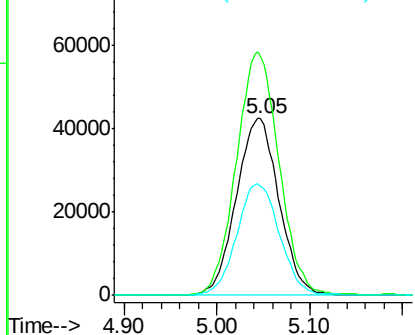
#21
trans-1,2-Dichloroethene
Concen: 19.906 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion: 96 Resp: 135303
Ion Ratio Lower Upper
96 100
61 134.9 110.1 165.1
98 61.9 50.0 75.0

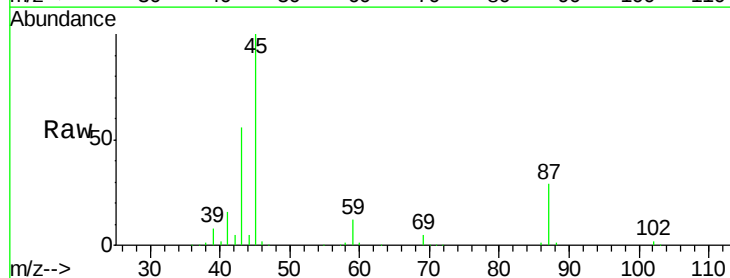


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

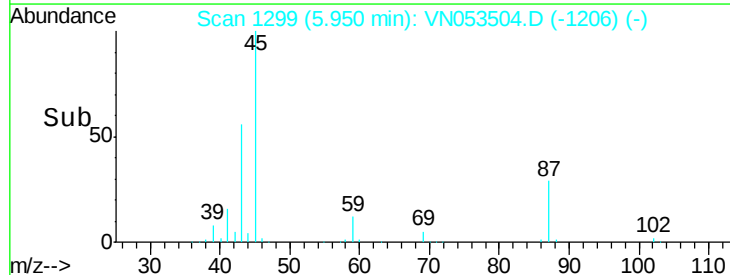
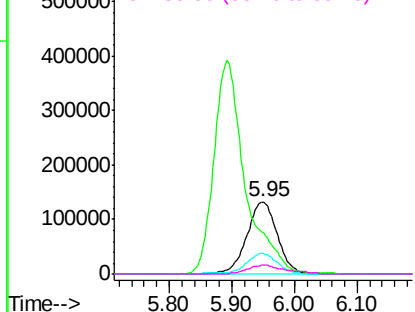


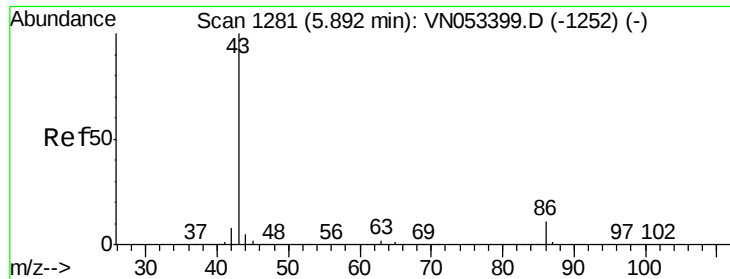
#22
Diisopropyl ether
Concen: 20.773 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 45 Resp: 447832
Ion Ratio Lower Upper
45 100
43 55.5 44.2 66.4
87 28.8 22.7 34.1
59 12.1 9.4 14.2



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: 102.516 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleID :

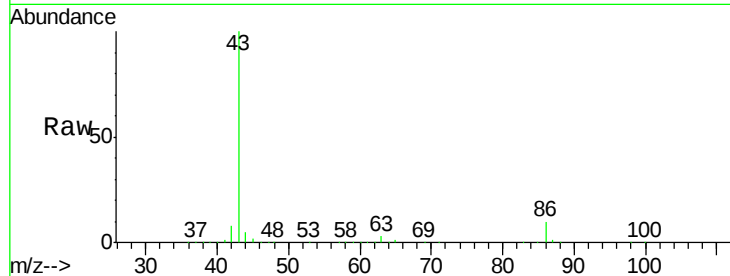
VN0121MBSD01

Tot Ion: 43 Resp: 1358572

Ion Ratio Lower Upper

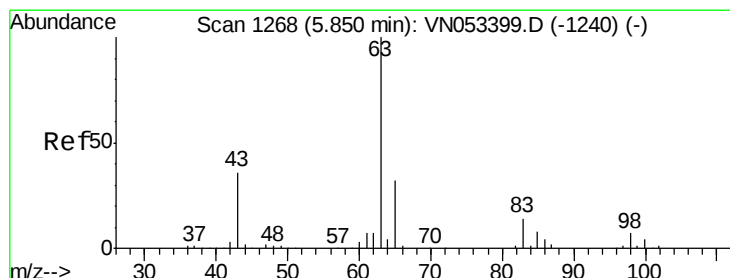
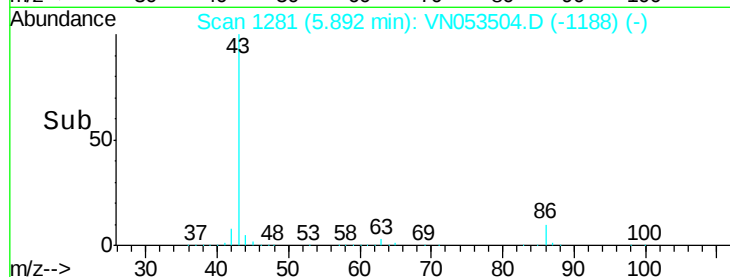
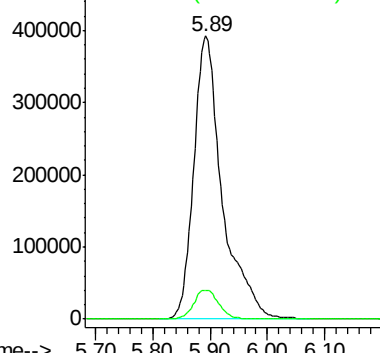
43 100

86 10.3 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.223 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

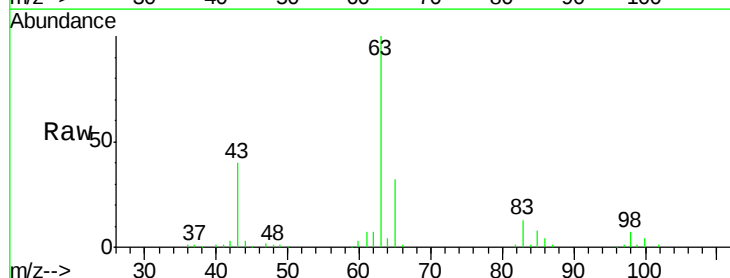
Tgt Ion: 63 Resp: 257731

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

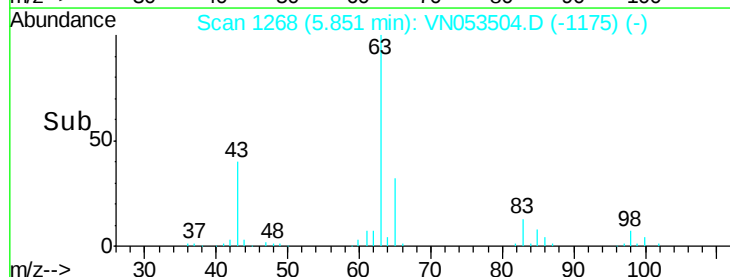
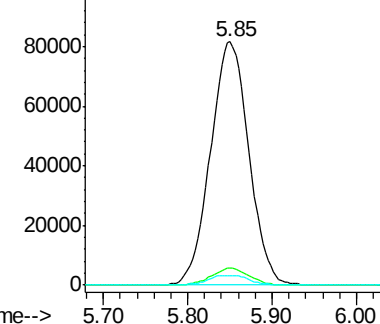
100 4.0 2.1 6.5

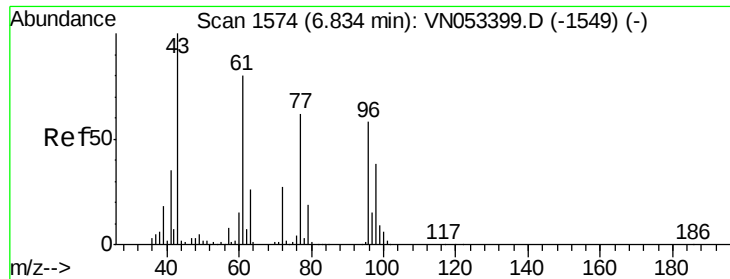


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.119 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

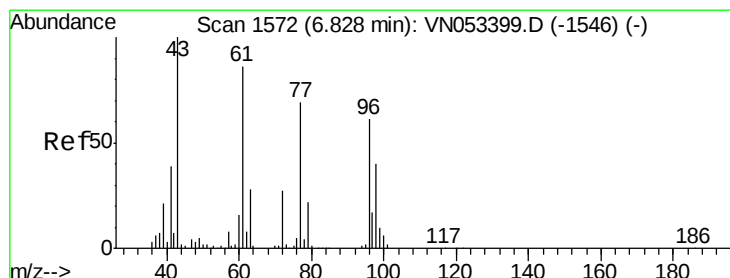
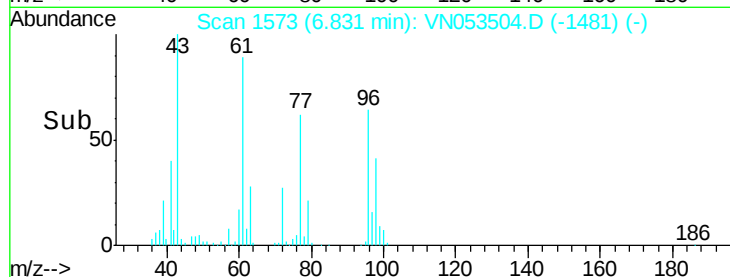
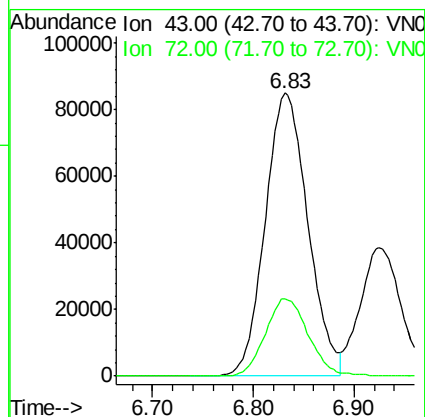
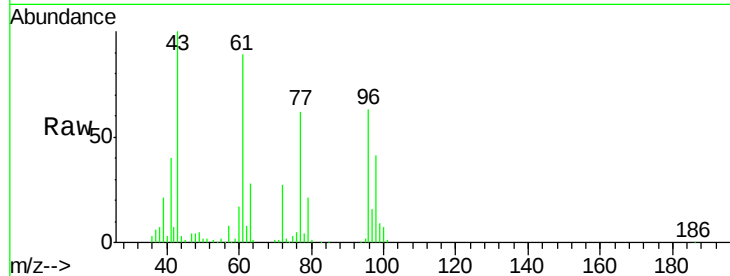
VN0121MBSD01

Tot Ion: 43 Resp: 250386

Ion Ratio Lower Upper

43 100

72 27.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.032 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN053504.D

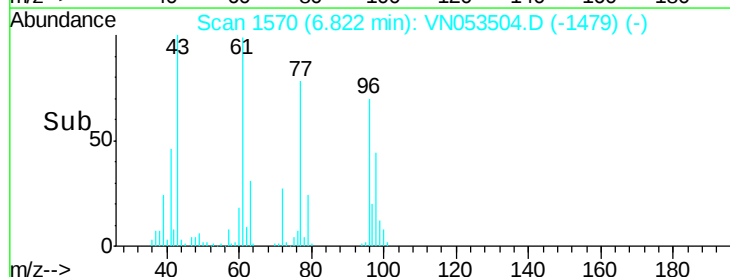
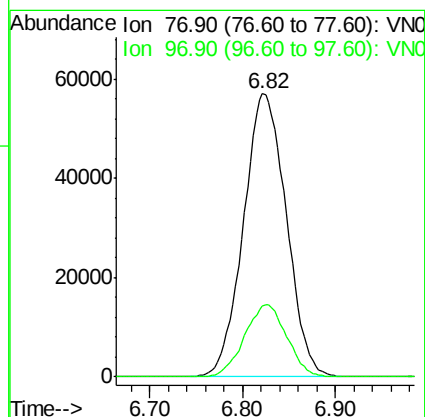
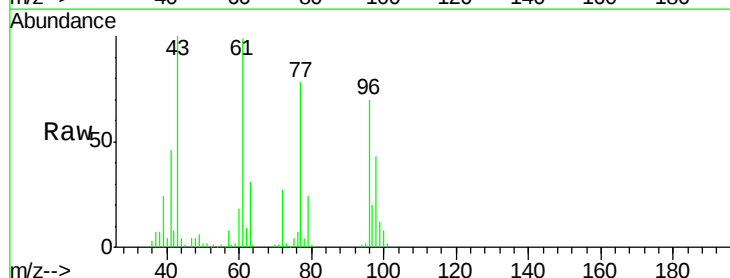
Acq: 21 Jan 2019 14:04

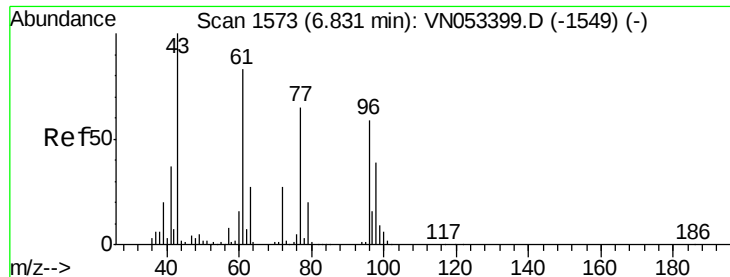
Tgt Ion: 77 Resp: 183138

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.372 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

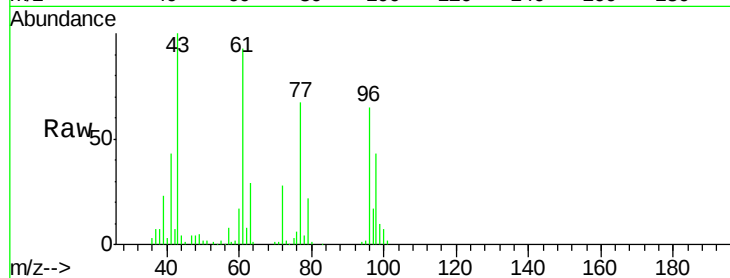
Tot Ion: 96 Resp: 158342

Ion Ratio Lower Upper

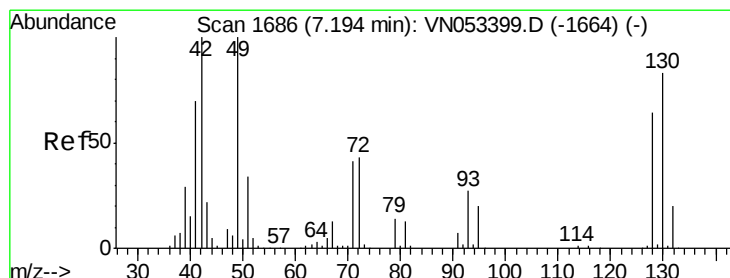
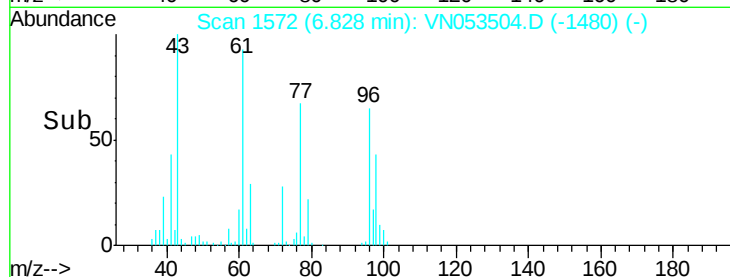
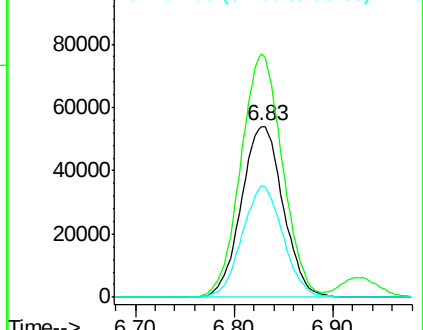
96 100

61 141.8 0.0 283.8

98 63.9 0.0 129.2



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: 19.836 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

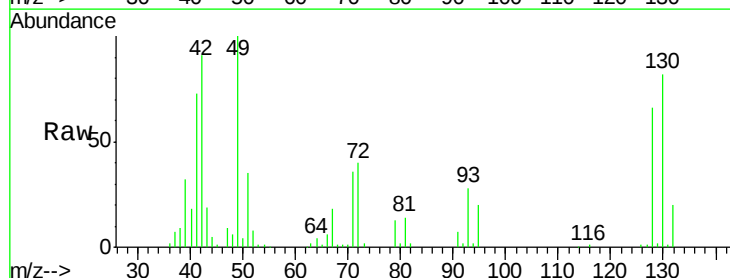
Tgt Ion: 49 Resp: 111370

Ion Ratio Lower Upper

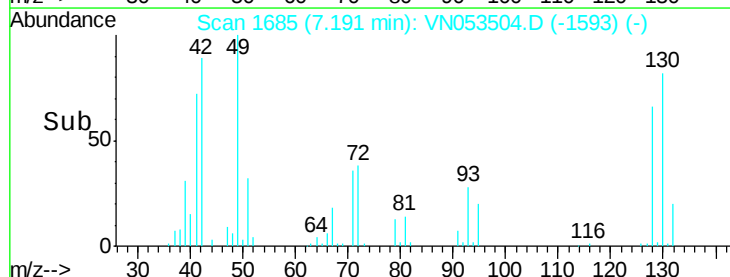
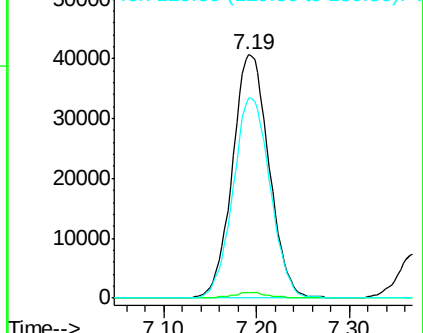
49 100

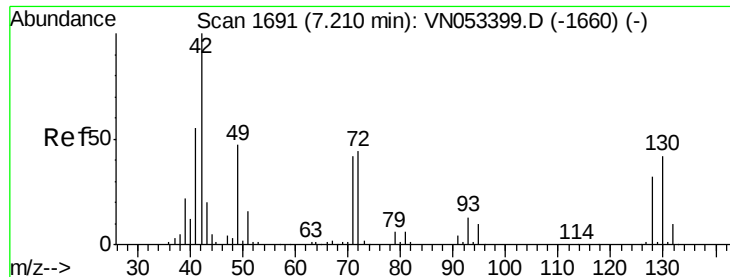
129 2.1 0.0 4.0

130 83.3 66.3 99.5



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

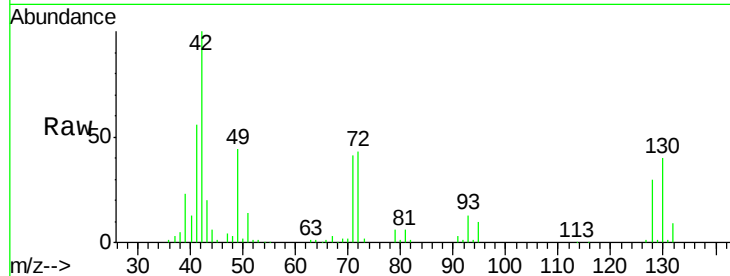




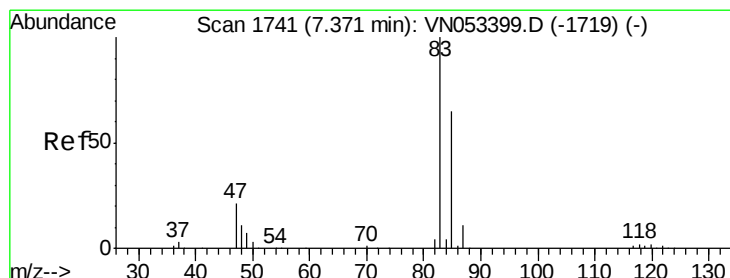
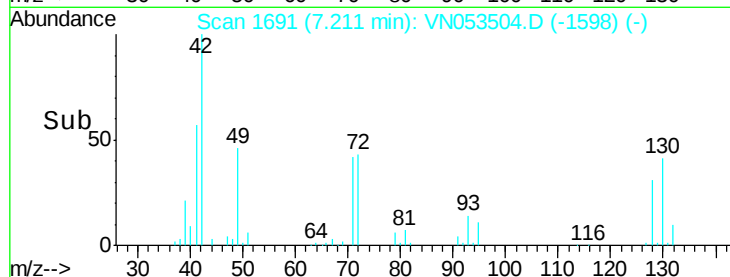
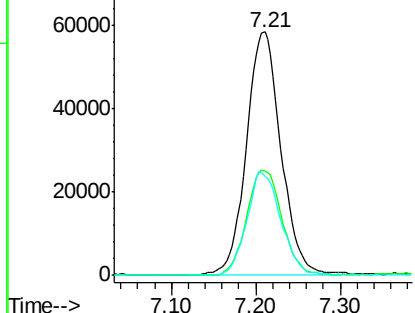
#29
Tetrahydrofuran
Concen: 100.076 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD01

Tot Ion: 42 Resp: 166254
Ion Ratio Lower Upper
42 100
72 44.4 35.2 52.8
71 41.8 33.0 49.4

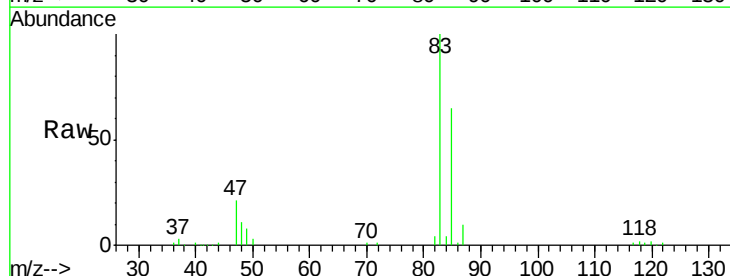


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

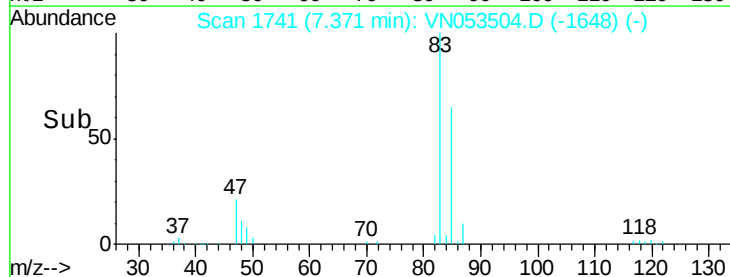
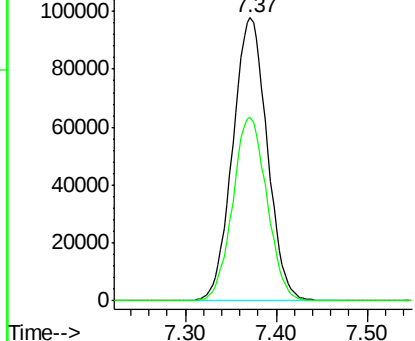


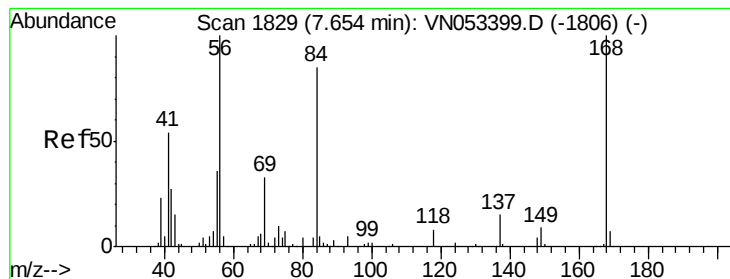
#30
Chloroform
Concen: 20.687 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 83 Resp: 256873
Ion Ratio Lower Upper
83 100
85 64.8 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.134 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

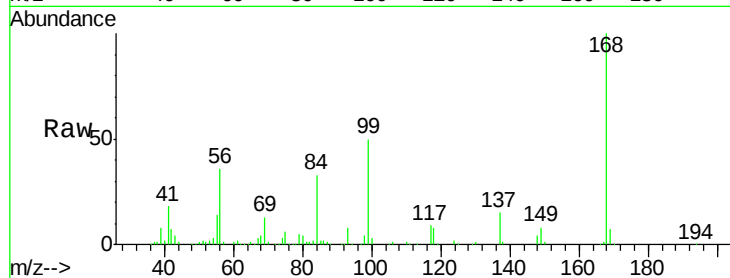
Tot Ion: 56 Resp: 239030

Ion Ratio Lower Upper

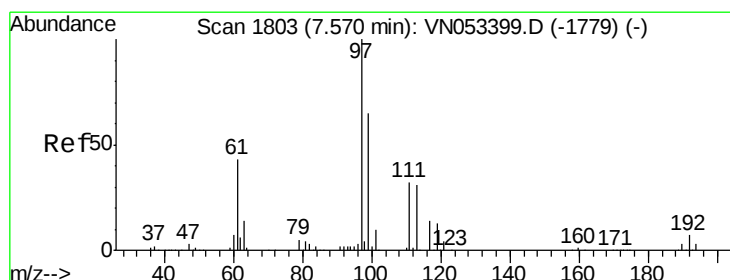
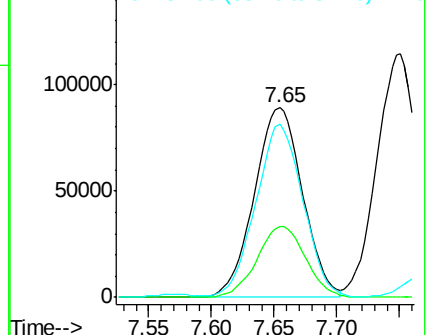
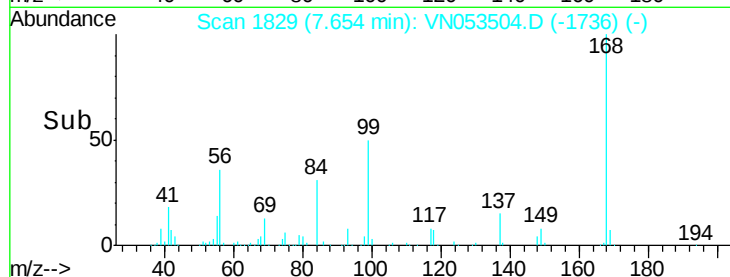
56 100

69 37.3 26.4 39.6

84 89.7 67.9 101.9



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: 20.080 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

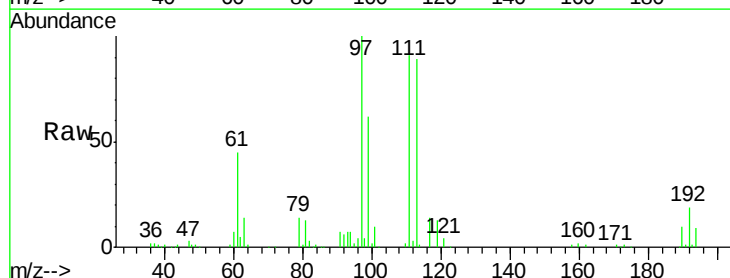
Tgt Ion: 97 Resp: 211507

Ion Ratio Lower Upper

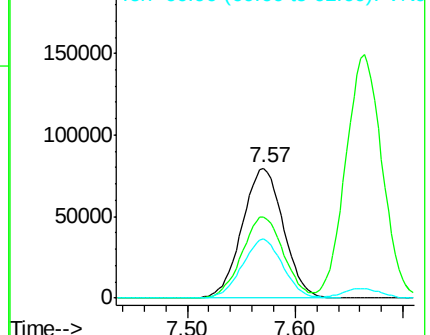
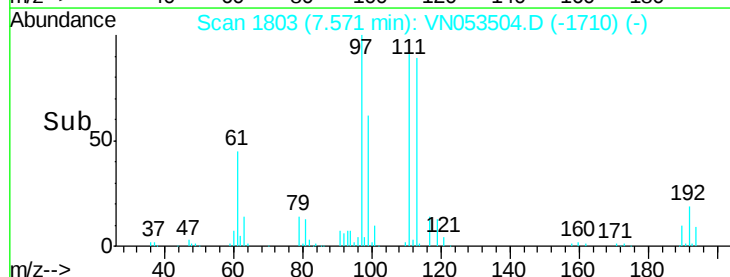
97 100

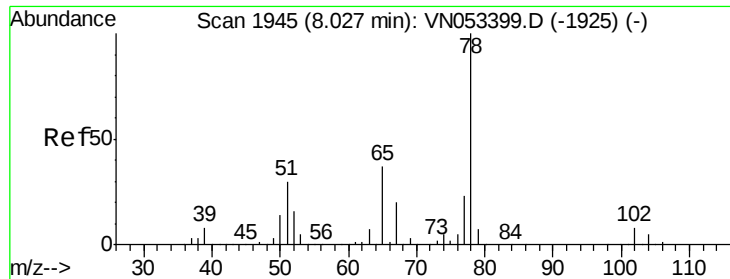
99 63.1 52.0 78.0

61 44.6 34.4 51.6



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: 20.080 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

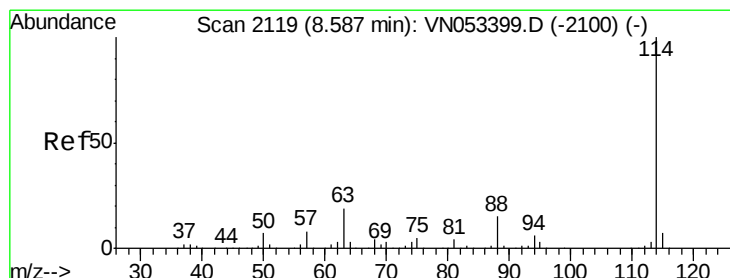
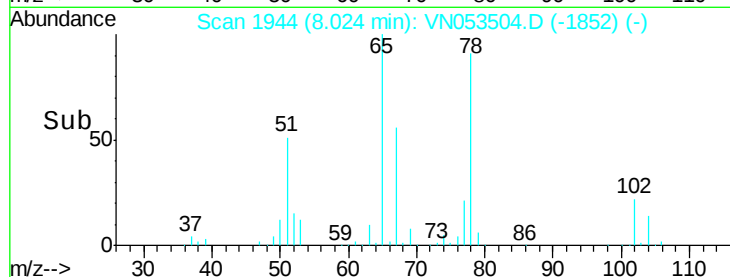
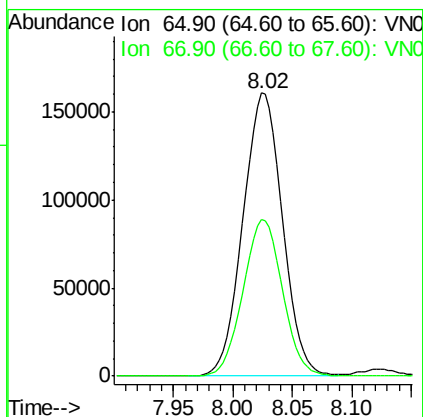
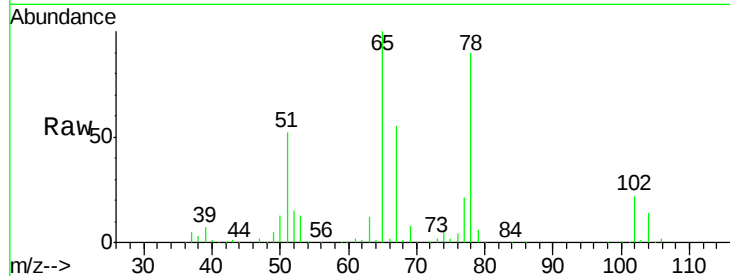
VN0121MBSD01

Tot Ion: 65 Resp: 370451

Ion Ratio Lower Upper

65 100

67 55.1 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

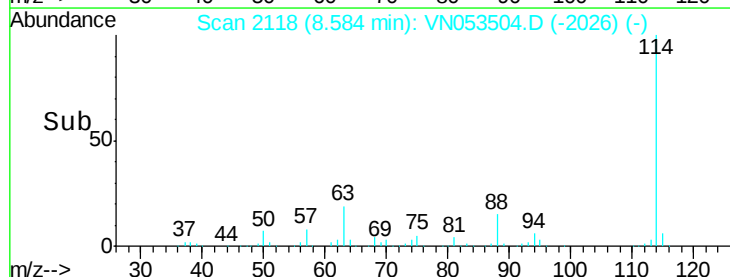
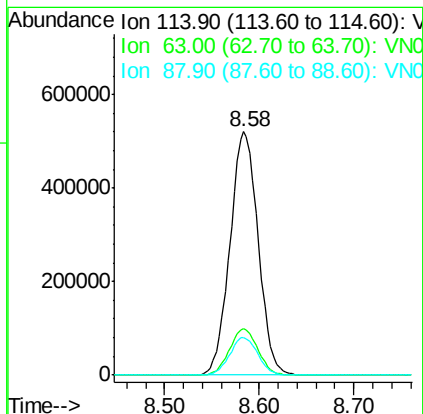
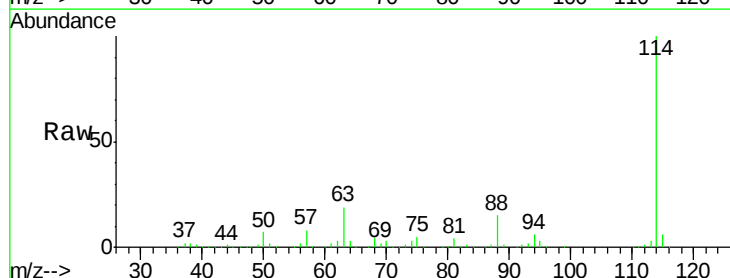
Tgt Ion:114 Resp: 1074855

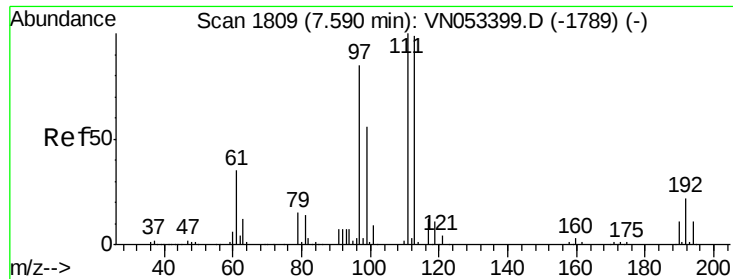
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.5 0.0 30.4

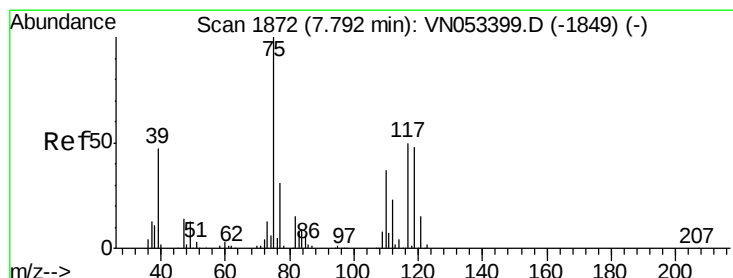
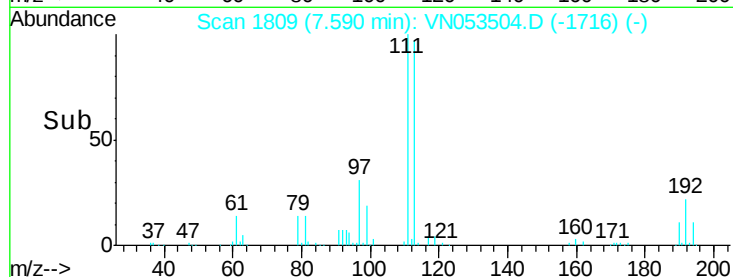
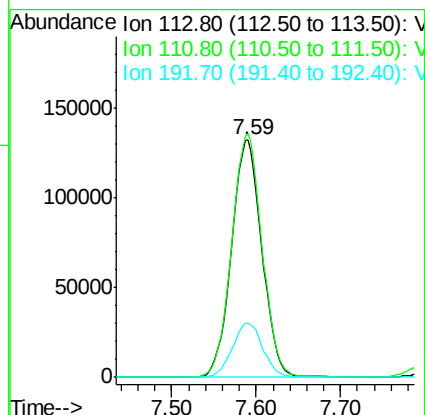
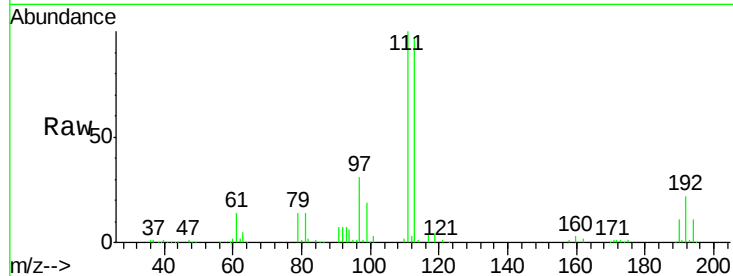




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

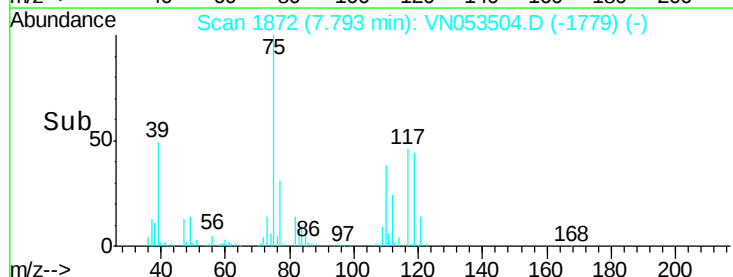
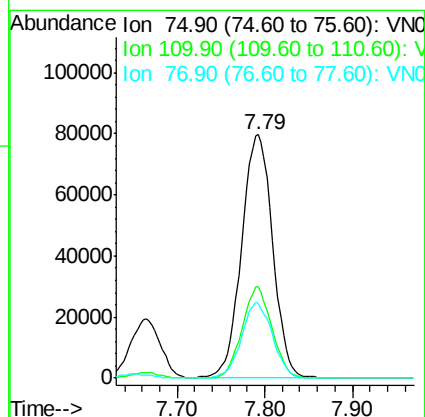
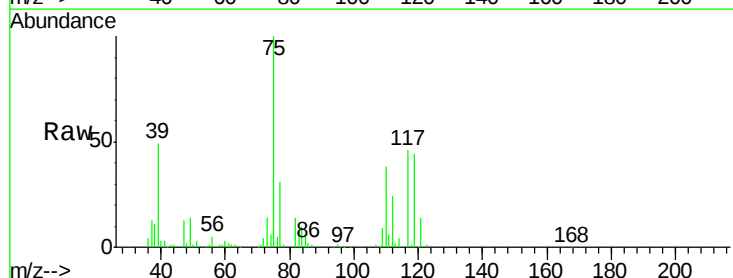
Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBSD01

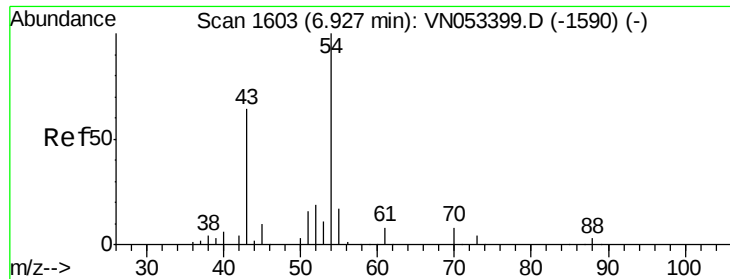
Tot Ion:113 Resp: 330250
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.0 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 20.088 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 75 Resp: 196637
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.1 54.3
 77 30.8 25.1 37.7

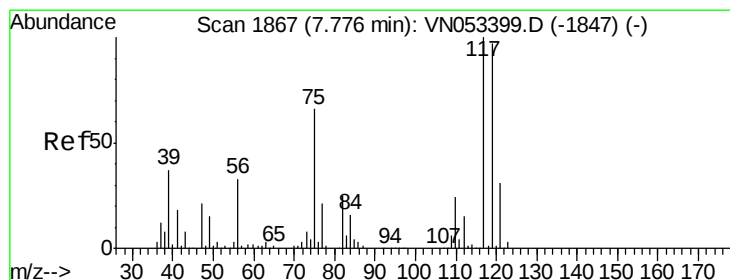
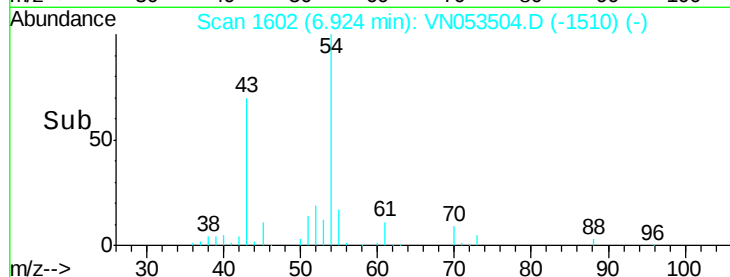
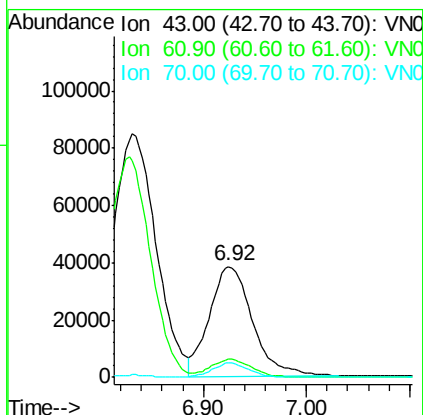
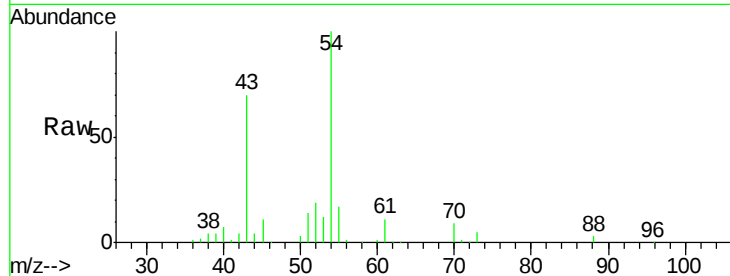




#37
Ethyl Acetate
Concen: 19.821 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

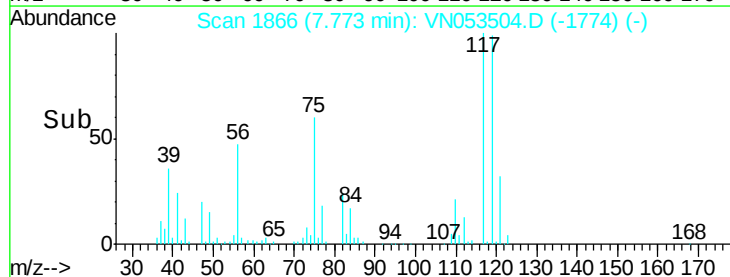
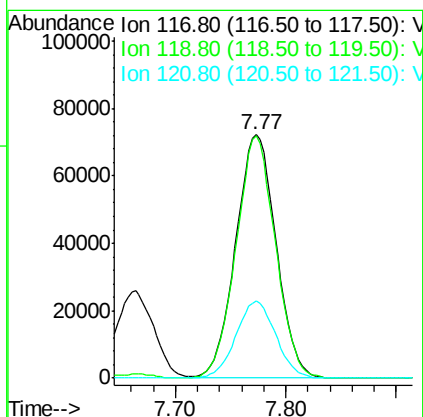
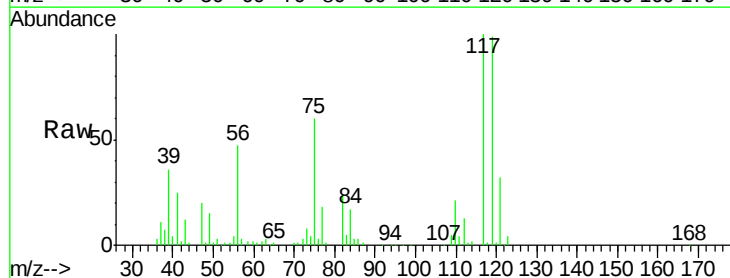
Instrument :
MSVOA_N
ClientSampleID :
VN0121MBSD01

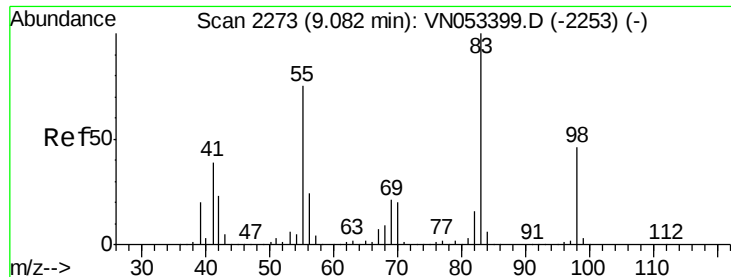
Tot Ion: 43 Resp: 111629
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 11.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.757 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 117 Resp: 183094
Ion Ratio Lower Upper
117 100
119 99.4 77.2 115.8
121 31.6 24.6 37.0

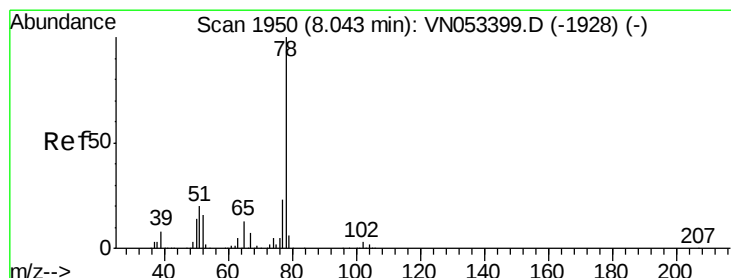
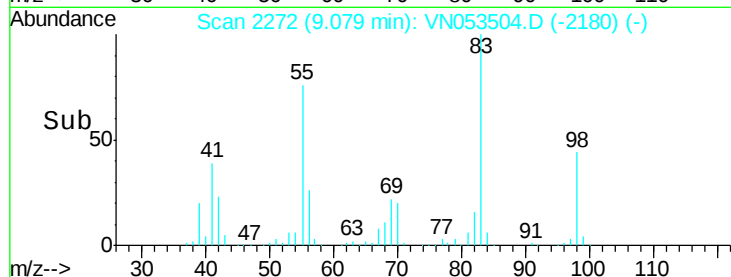
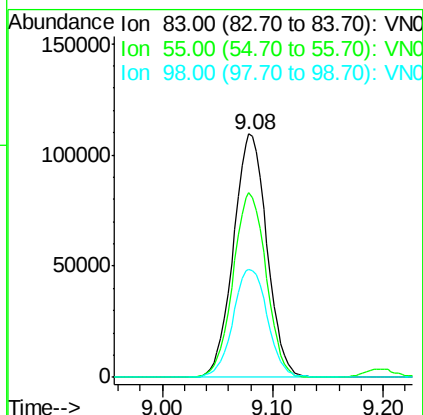
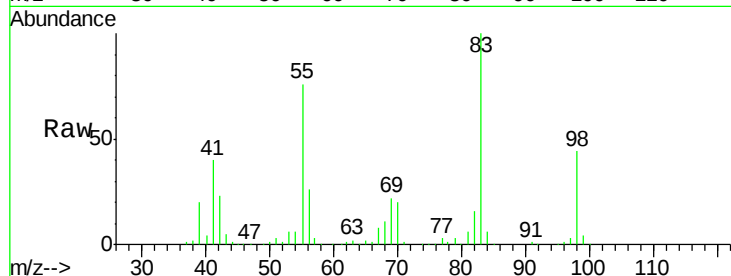




#39
Methvlcvclohexane
Concen: 18.986 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

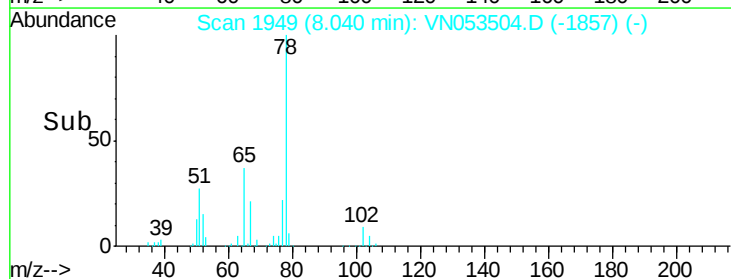
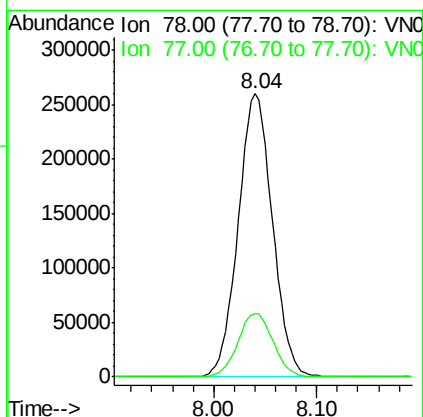
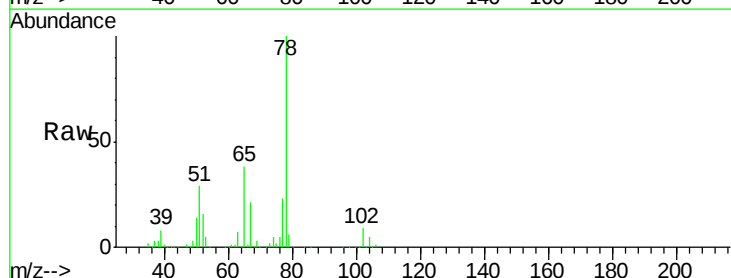
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

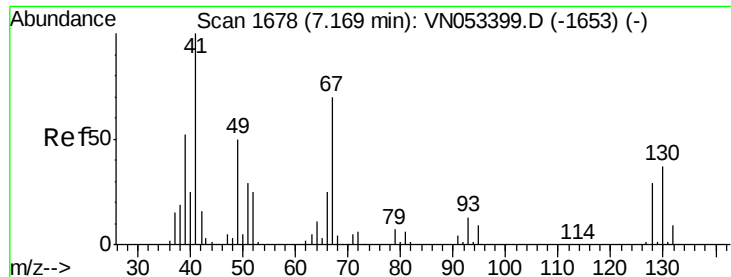
Tot Ion: 83 Resp: 229711
Ion Ratio Lower Upper
83 100
55 75.9 60.1 90.1
98 44.5 36.6 55.0



#40
Benzene
Concen: 20.195 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 78 Resp: 600722
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2

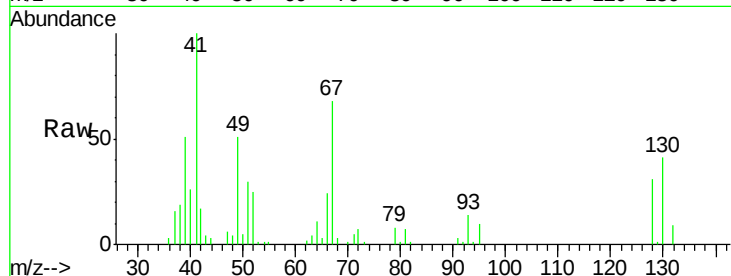




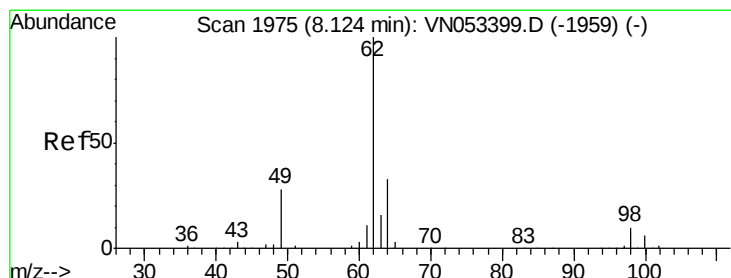
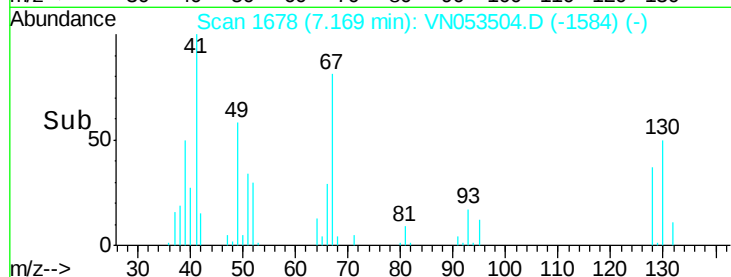
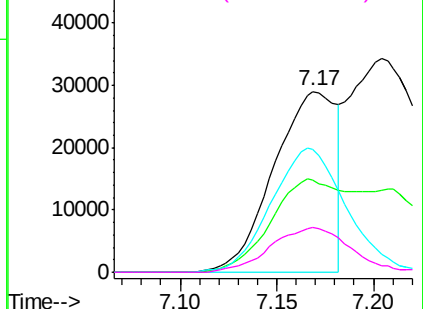
#41
Methacrylonitrile
Concen: 19.851 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion: 41 Resp: 65067
Ion Ratio Lower Upper
41 100
39 60.3 46.8 70.2
67 83.3 63.0 94.6
52 31.8 23.8 35.8

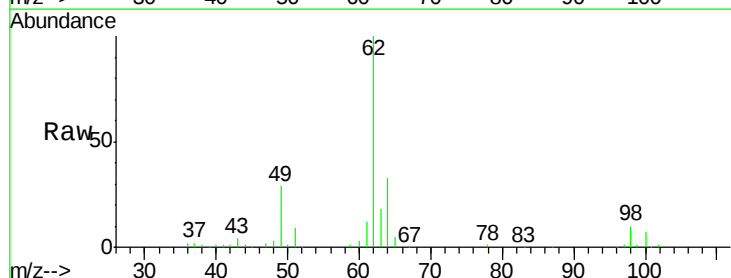


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

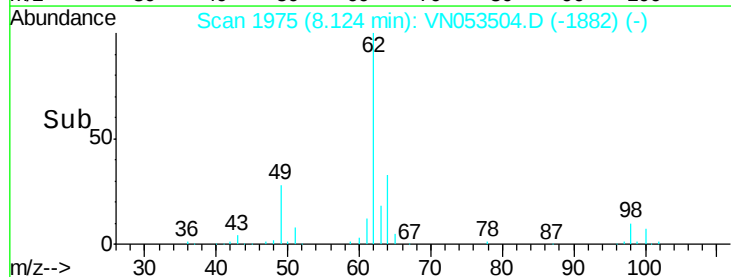
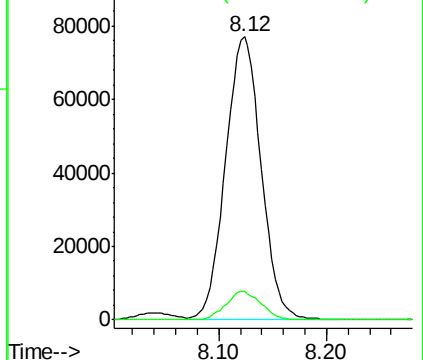


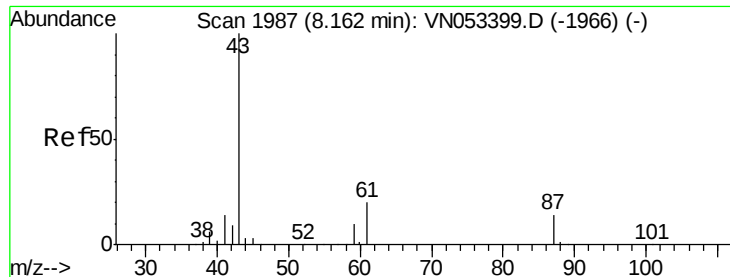
#42
1,2-Dichloroethane
Concen: 20.374 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 62 Resp: 176563
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



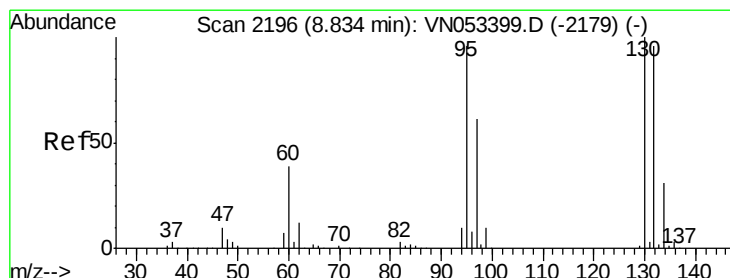
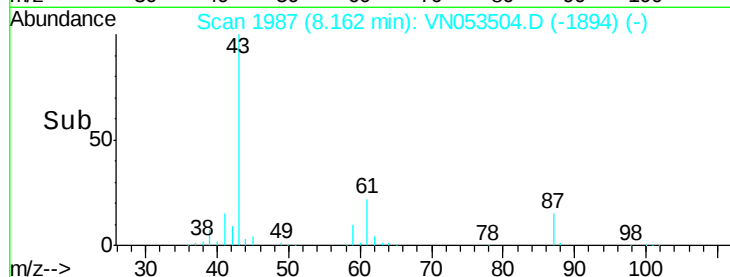
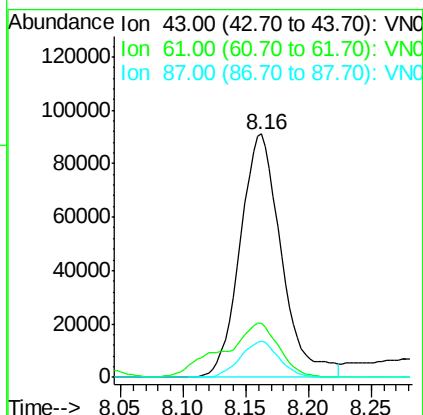
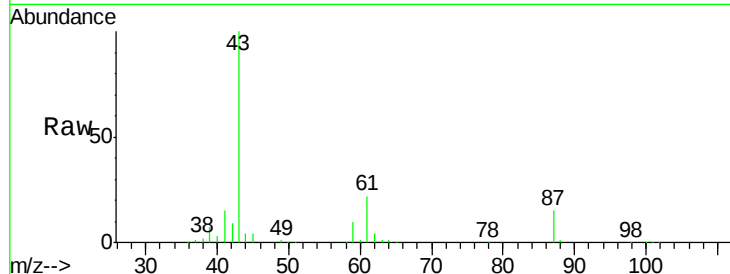


#43

Isopropyl Acetate
 Concen: 20.476 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

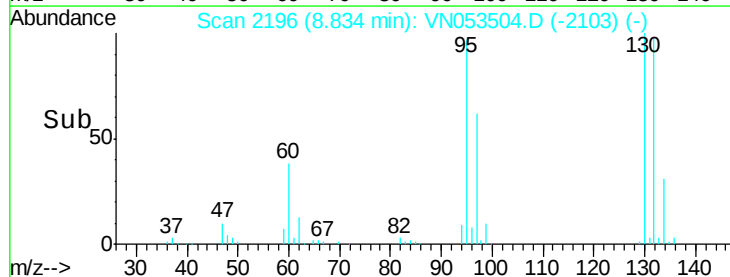
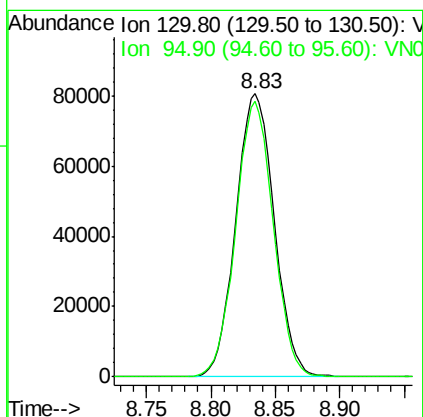
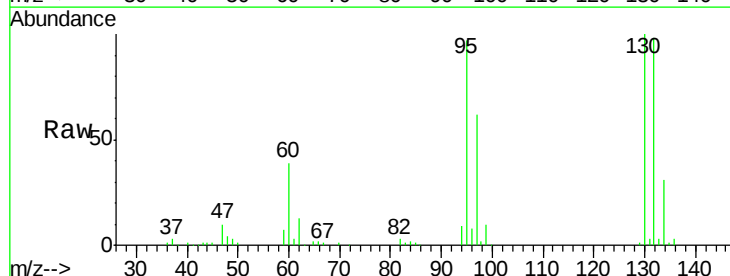
Tot Ion	43	Resp	207358
Ion Ratio	Lower	Upper	
43	100		
61	30.5	23.9	35.9
87	13.9	11.0	16.6

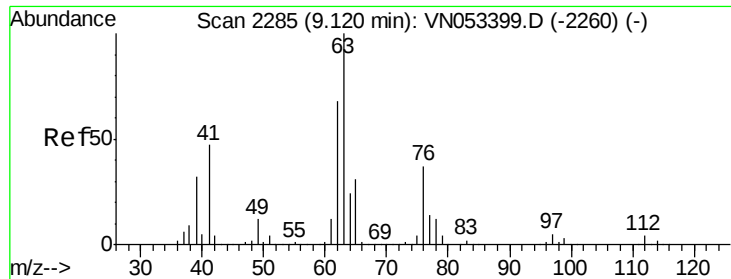


#44

Trichloroethene
 Concen: 20.319 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	130	Resp	167618
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	191.4





#45

1,2-Dichloropropane

Concen: 19.904 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

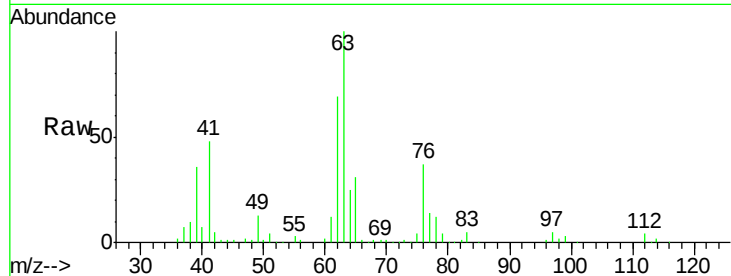
VN0121MBSD01

Tot Ion: 63 Resp: 156824

Ion Ratio Lower Upper

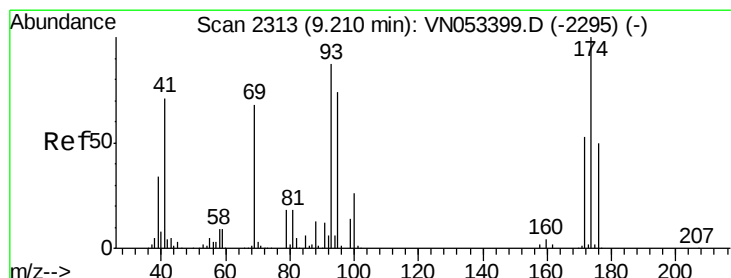
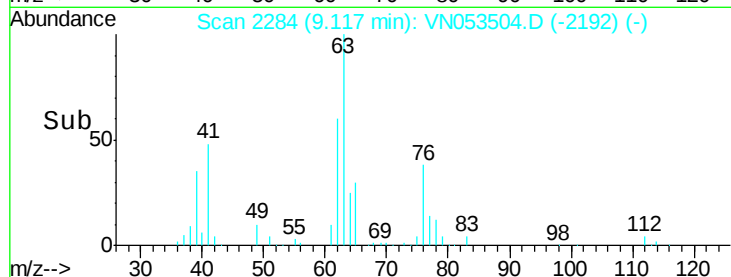
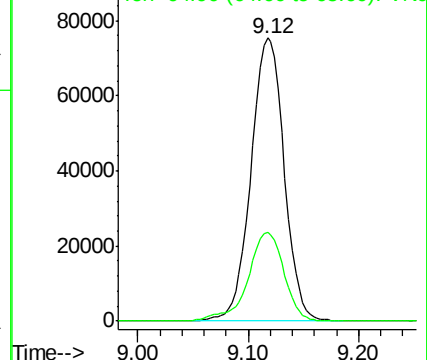
63 100

65 31.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.131 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

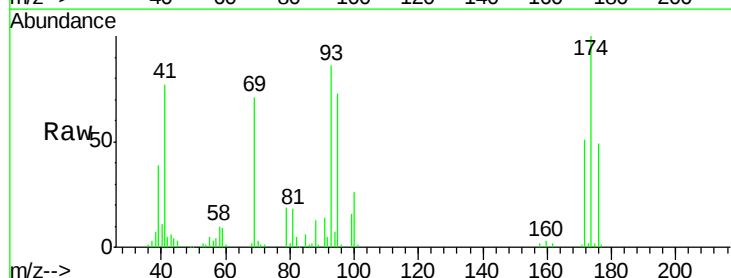
Tgt Ion: 93 Resp: 91126

Ion Ratio Lower Upper

93 100

95 83.3 67.3 100.9

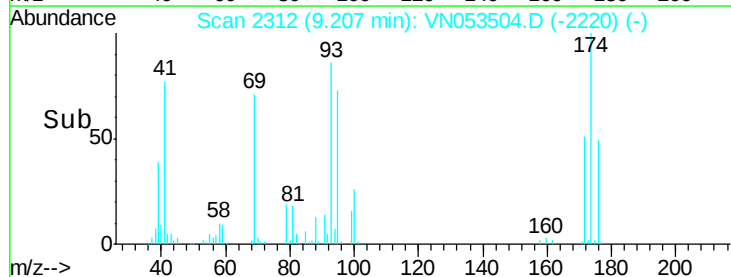
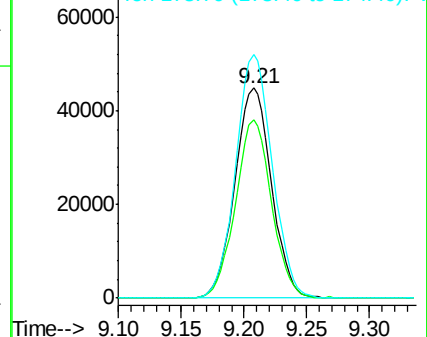
174 115.6 91.0 136.4

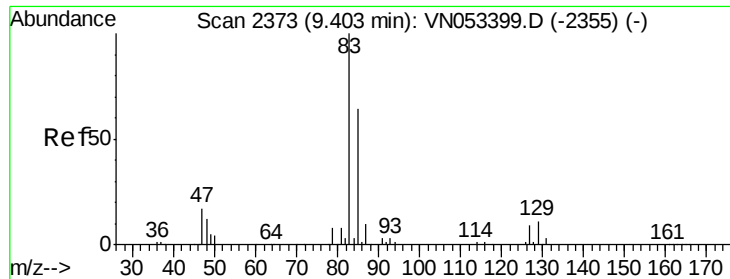


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

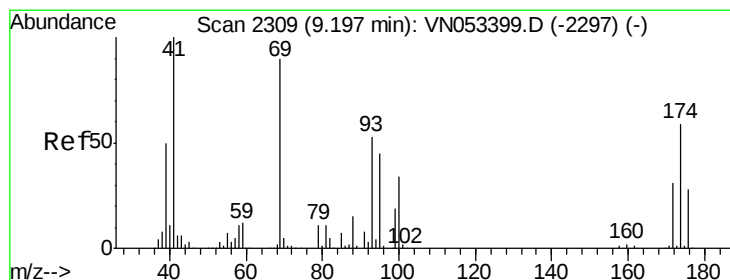
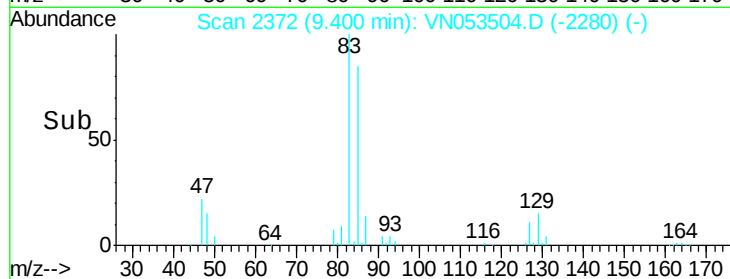
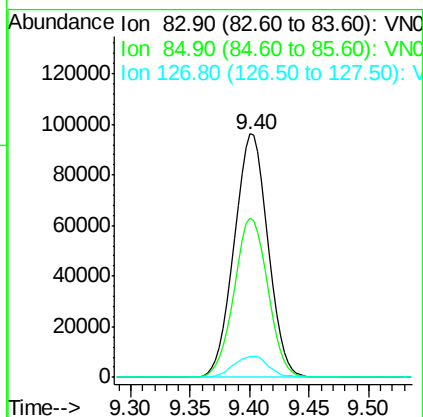
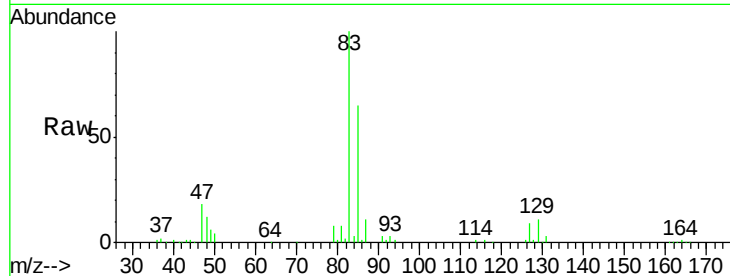




#47
Bromodichloromethane
Concen: 19.934 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

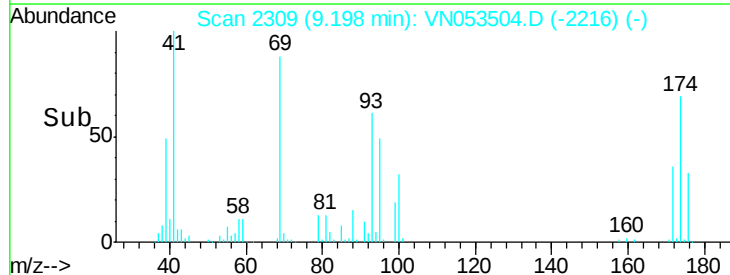
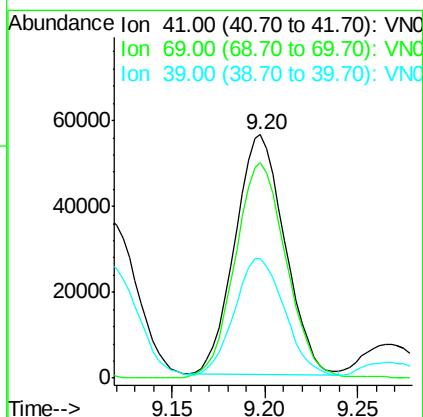
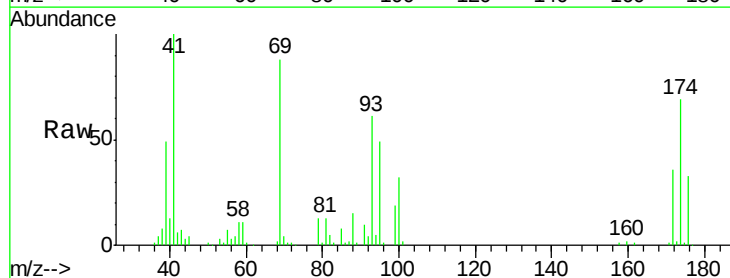
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

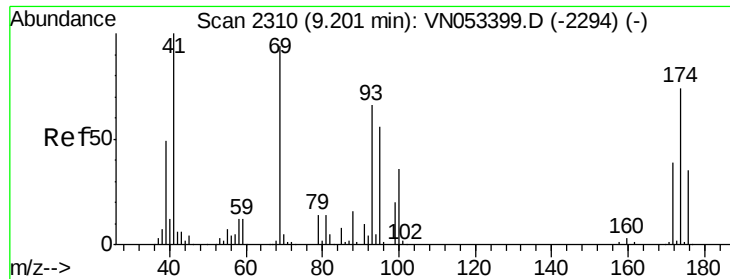
Tot Ion: 83 Resp: 189762
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.6
127 8.6 7.0 10.6



#48
Methyl methacrylate
Concen: 19.935 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 41 Resp: 104231
Ion Ratio Lower Upper
41 100
69 92.5 73.8 110.6
39 51.7 40.0 60.0





#49

1,4-Dioxane

Concen: 341.532 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

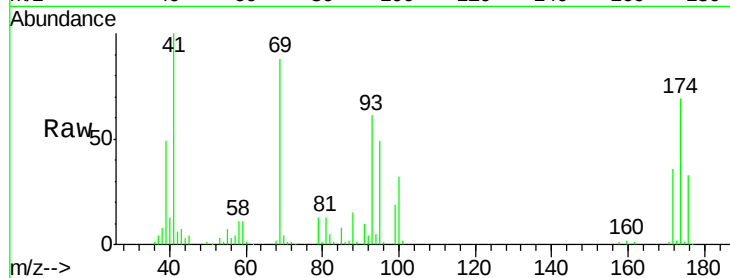
Tot Ion: 88 Resp: 17440

Ion Ratio Lower Upper

88 100

43 41.5 27.8 41.6

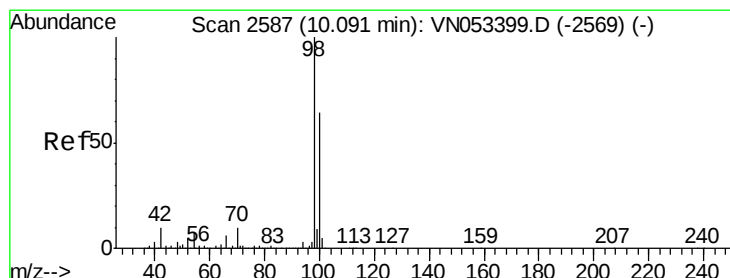
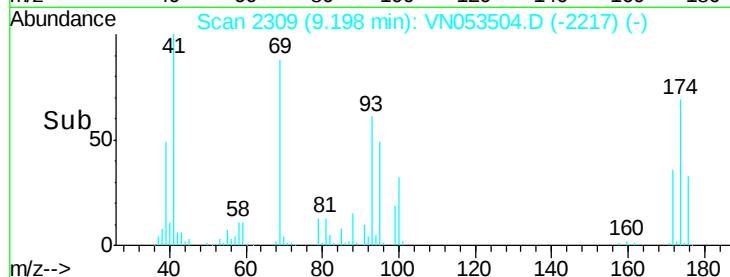
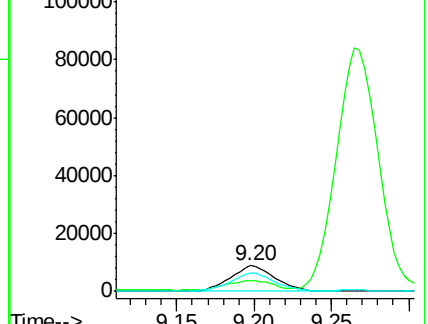
58 71.5 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 341.532 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053504.D

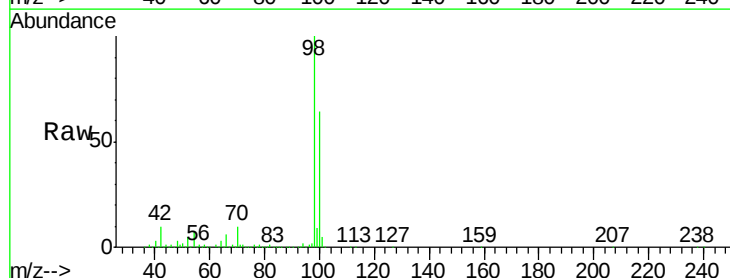
Acq: 21 Jan 2019 14:04

Tgt Ion: 98 Resp: 1341448

Ion Ratio Lower Upper

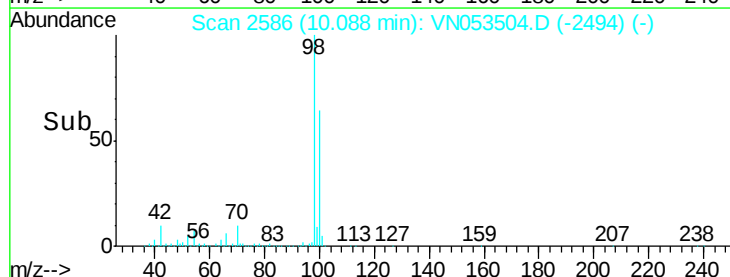
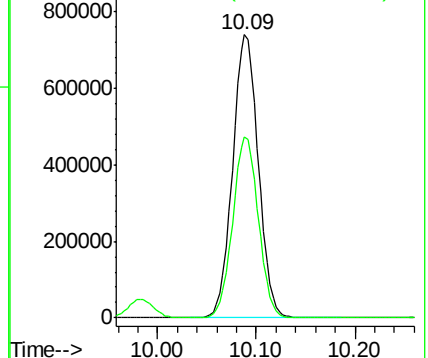
98 100

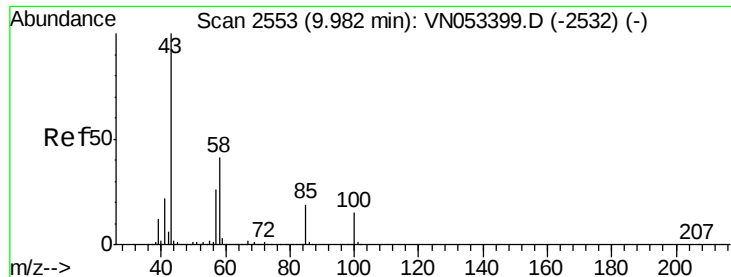
100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

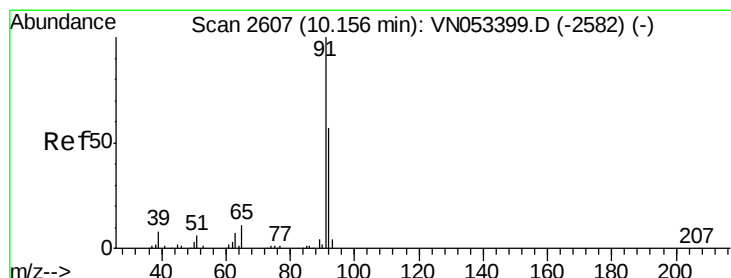
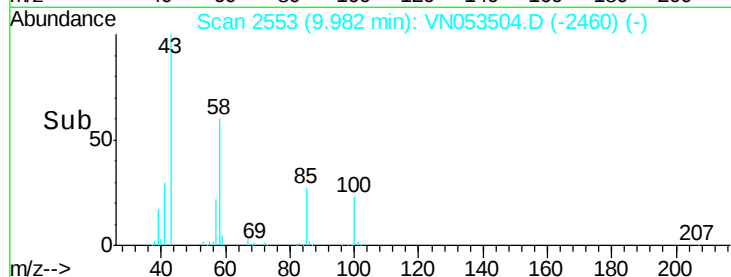
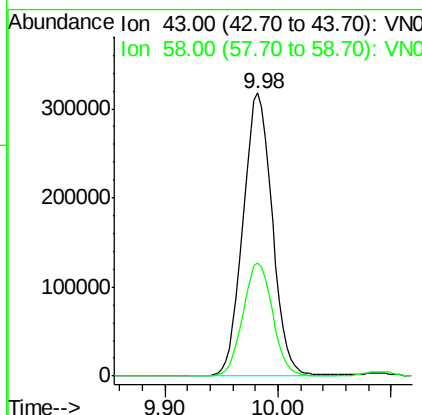
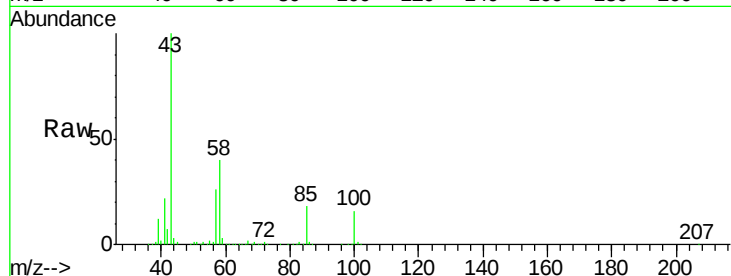




#51
 4-Methyl-2-Pentanone
 Concen: 103.376 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

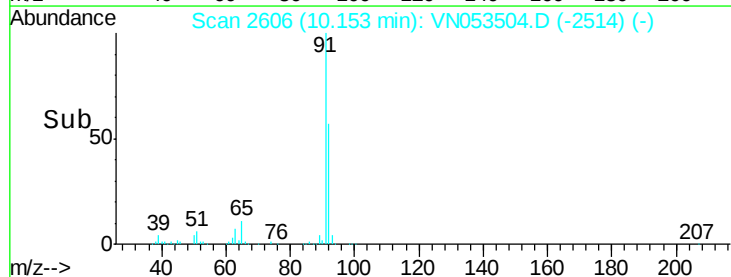
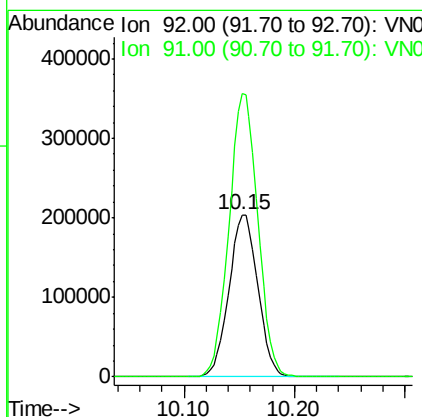
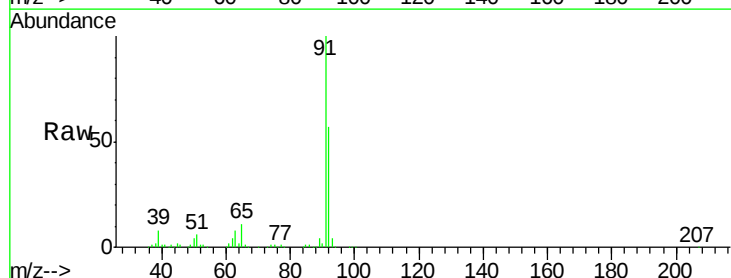
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBSD01

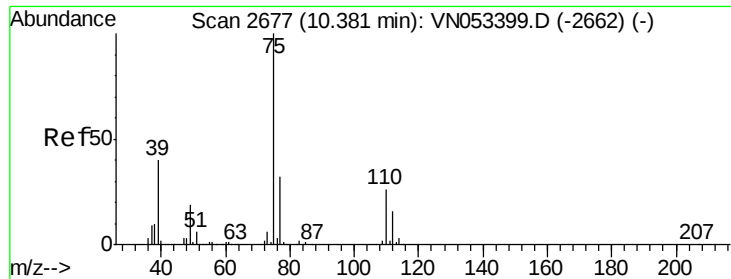
Tot Ion: 43 Resp: 571473
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.8 49.2



#52
 Toluene
 Concen: 20.015 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 92 Resp: 369626
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.707 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

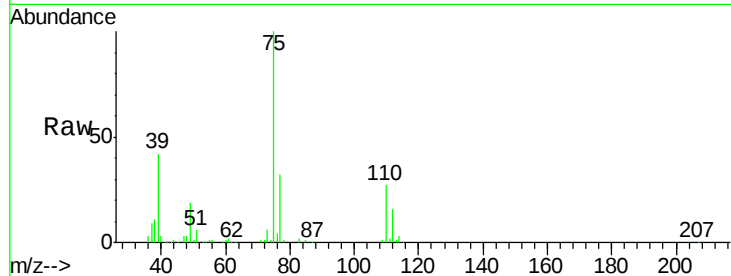
VN0121MBSD01

Tot Ion: 75 Resp: 190156

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

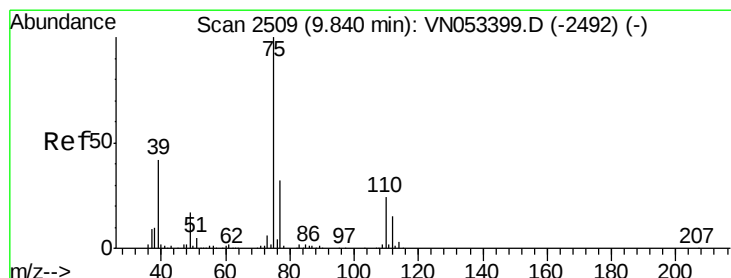
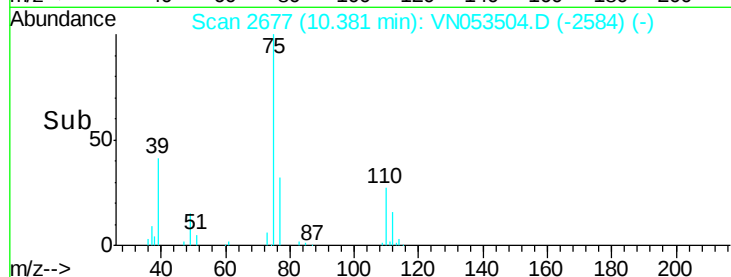
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.022 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

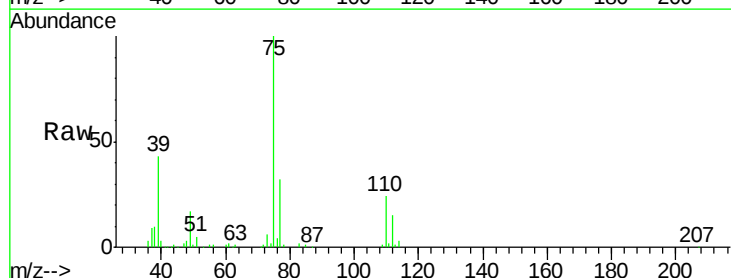
Tgt Ion: 75 Resp: 226479

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 43.3 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

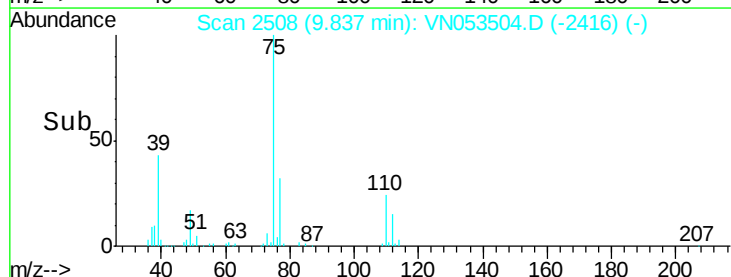
150000

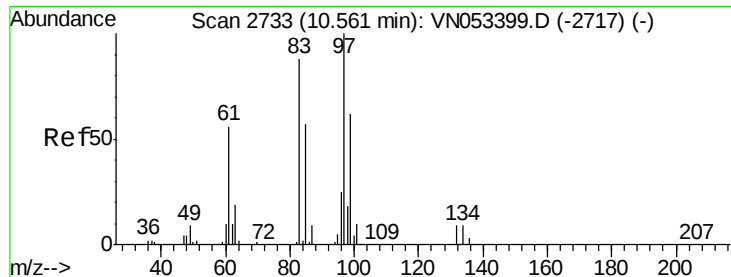
100000

50000

0

Time-->

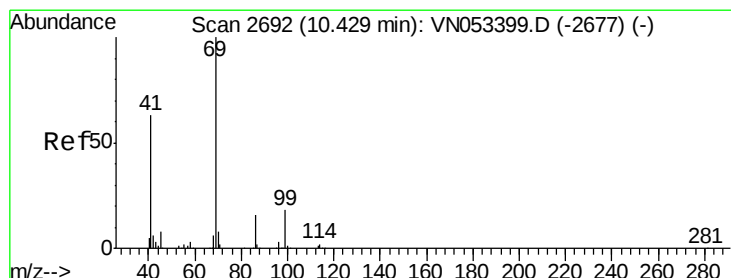
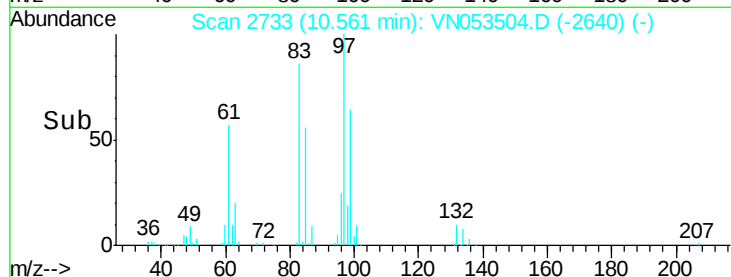
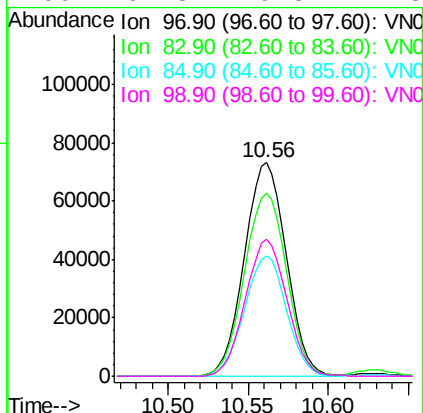
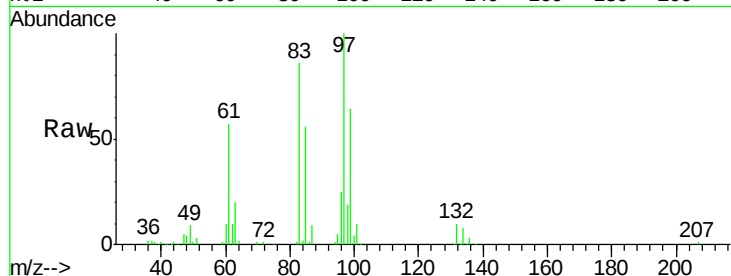




#55
 1,1,2-Trichloroethane
 Concen: 20.646 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

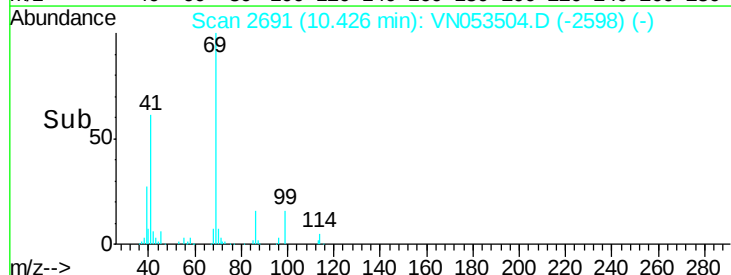
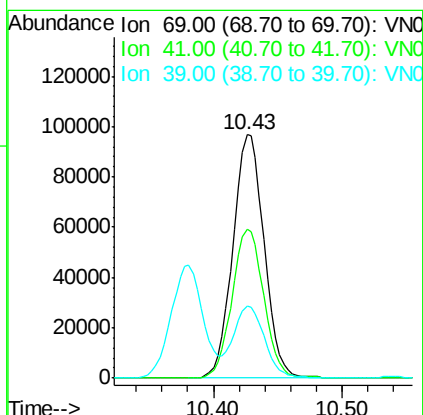
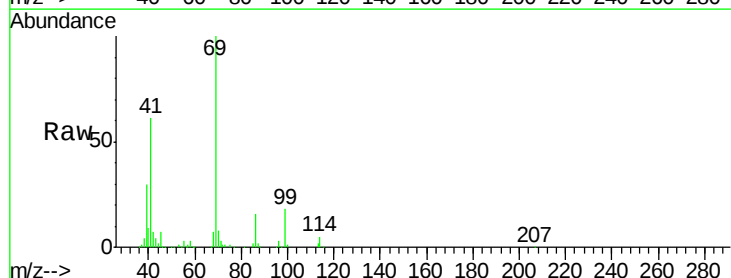
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

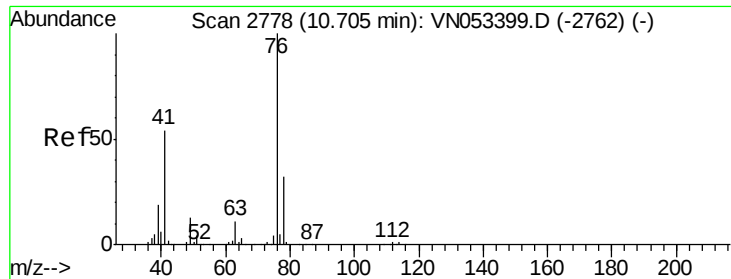
Tot Ion: 97 Resp: 131453
 Ion Ratio Lower Upper
 97 100
 83 85.6 70.1 105.1
 85 56.3 45.4 68.0
 99 64.3 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 19.349 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 69 Resp: 162942
 Ion Ratio Lower Upper
 69 100
 41 61.3 49.4 74.0
 39 29.1 23.3 34.9

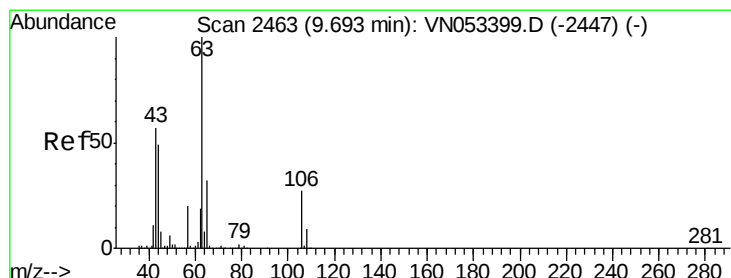
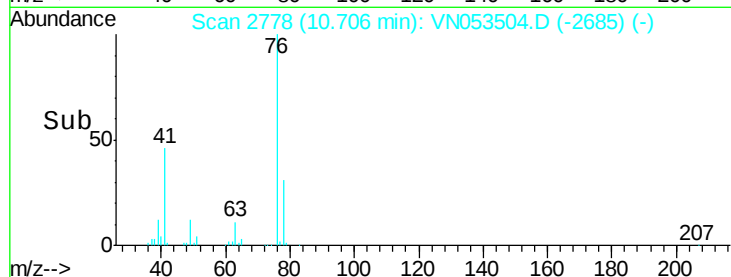
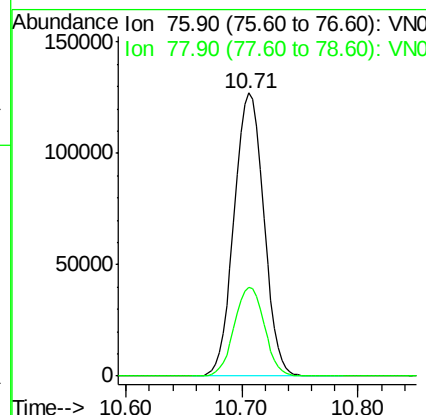
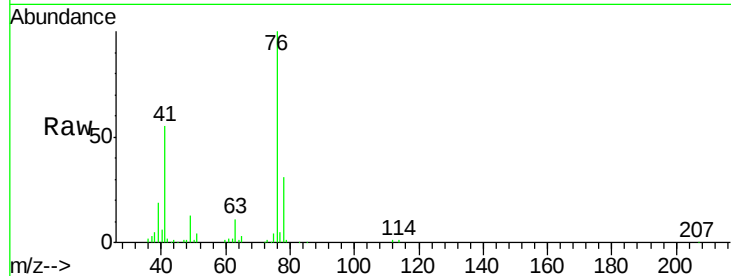




#57
 1,3-Dichloropropane
 Concen: 20.574 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

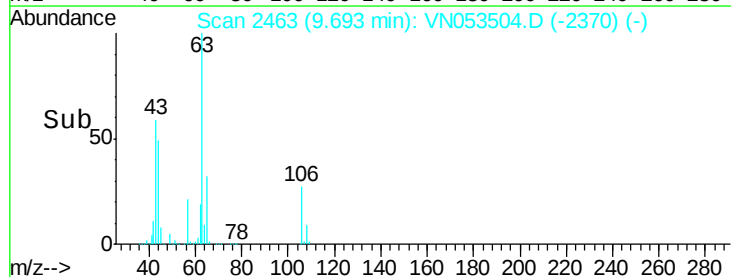
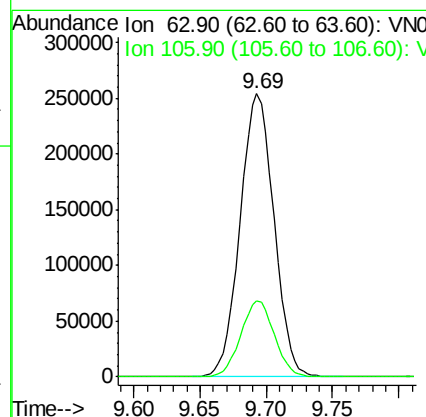
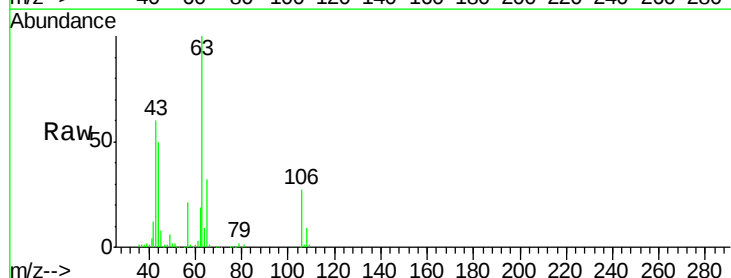
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

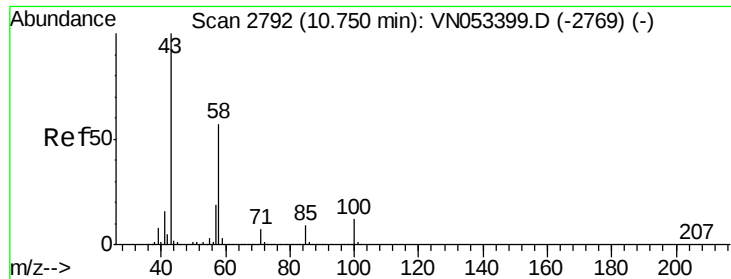
Tot Ion: 76 Resp: 226600
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.243 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 63 Resp: 450953
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.5 32.3

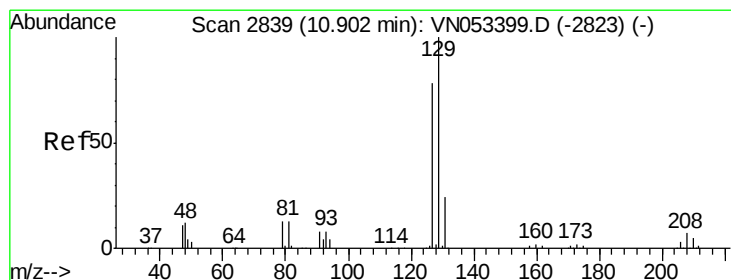
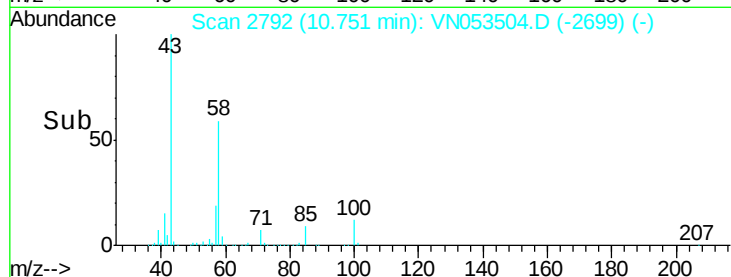
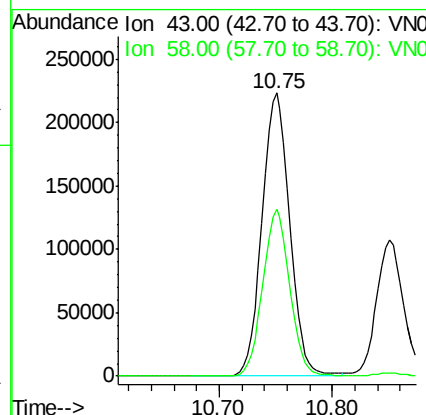
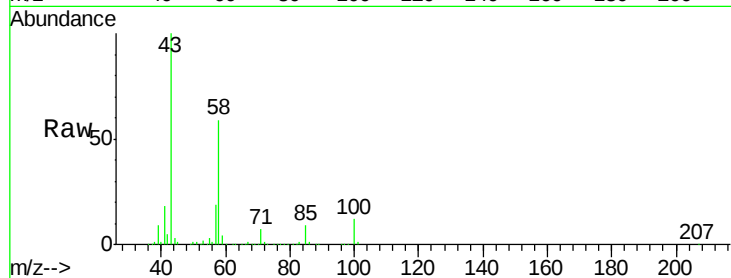




#59
2-Hexanone
Concen: 97.915 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

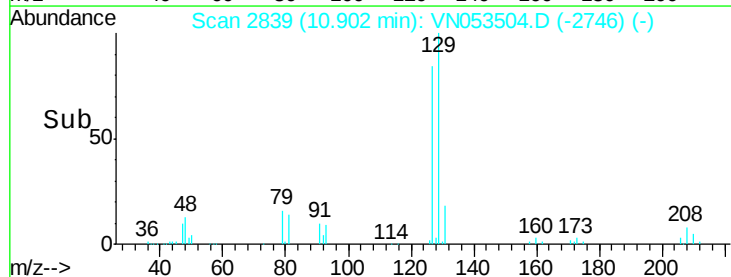
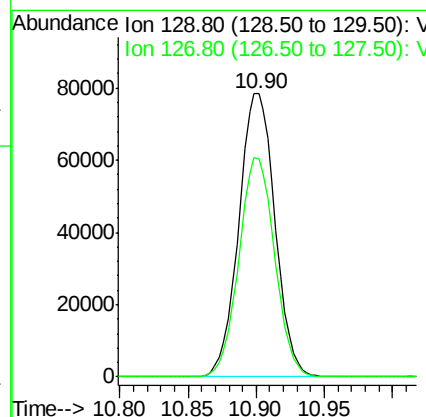
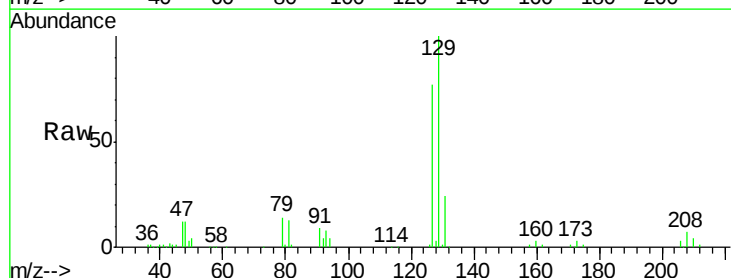
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

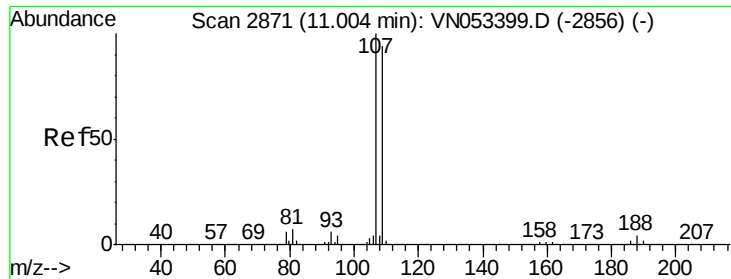
Tot Ion: 43 Resp: 379973
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8



#60
Dibromochloromethane
Concen: 19.983 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 129 Resp: 144305
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

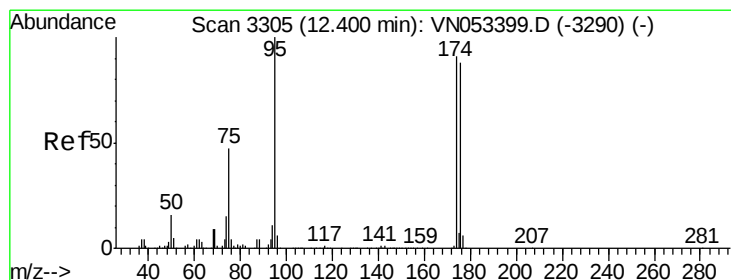
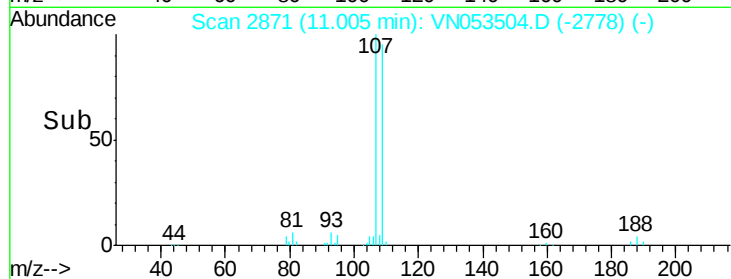
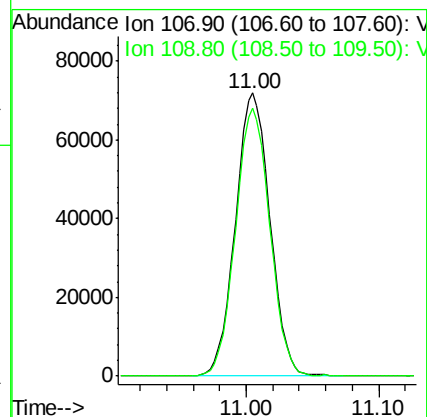
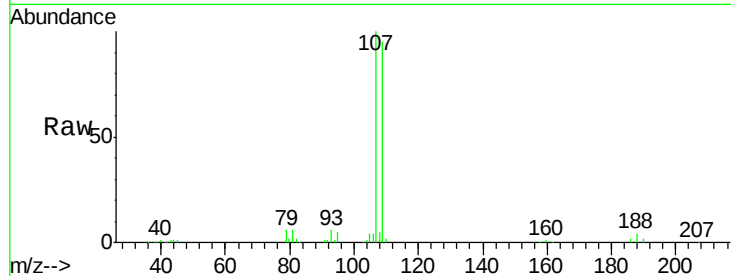




#61
 1,2-Dibromoethane
 Concen: 20.181 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

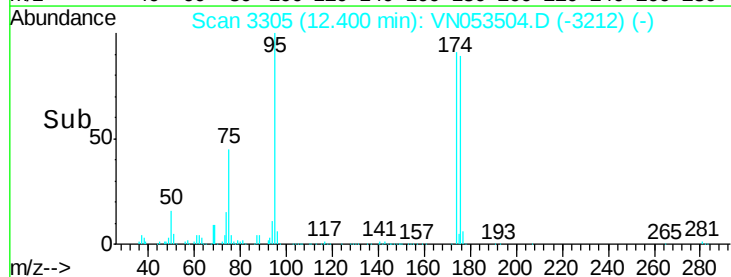
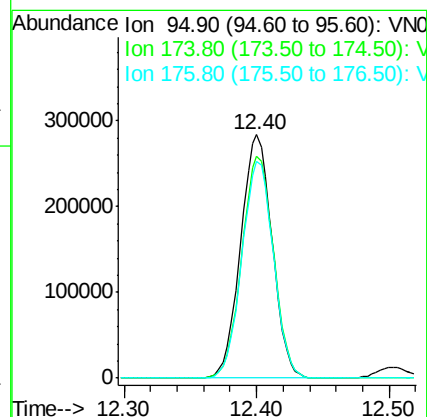
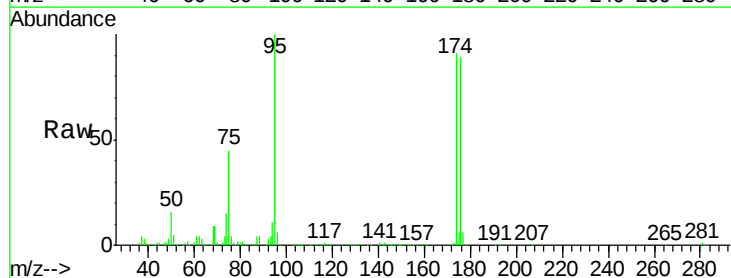
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

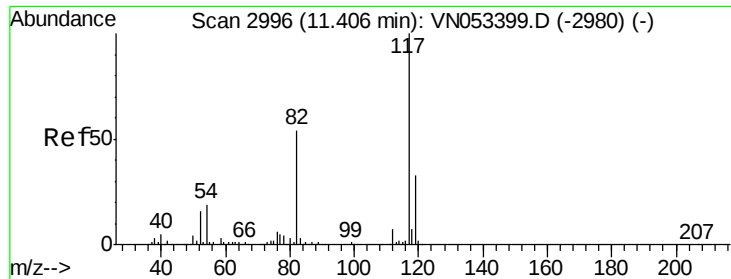
Tot Ion:107 Resp: 129948
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.181 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 95 Resp: 467479
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 183.2
 176 89.3 0.0 177.4

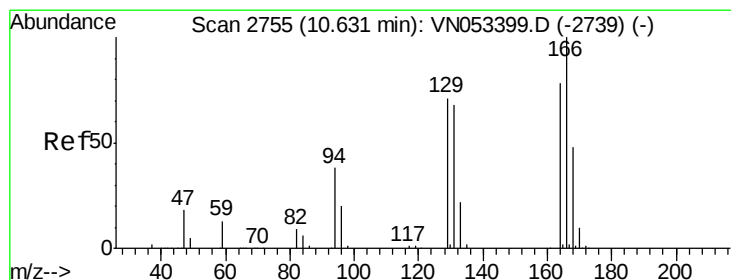
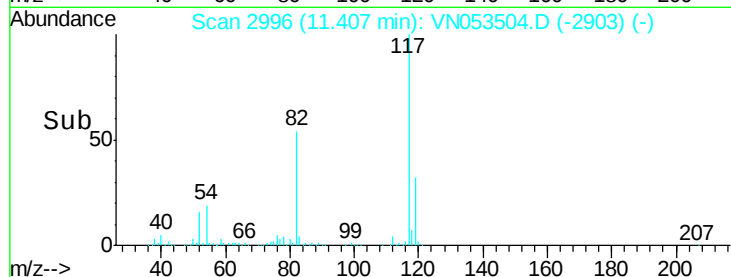
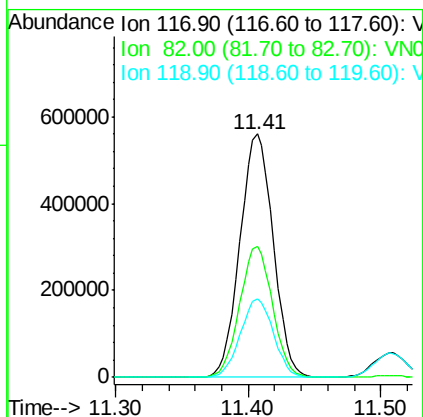
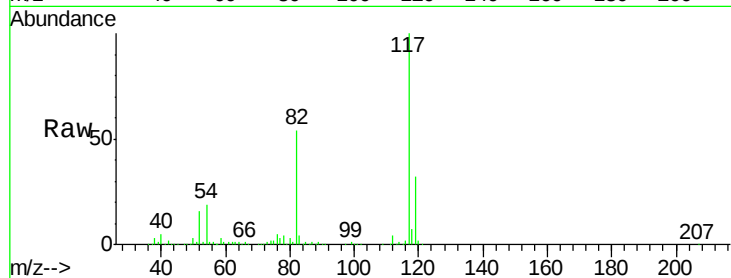




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

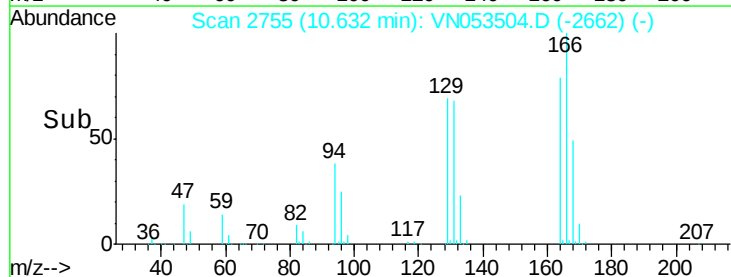
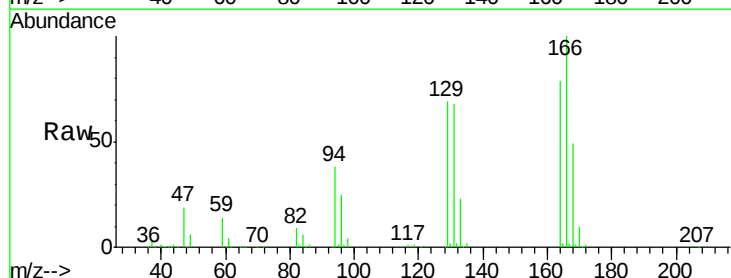
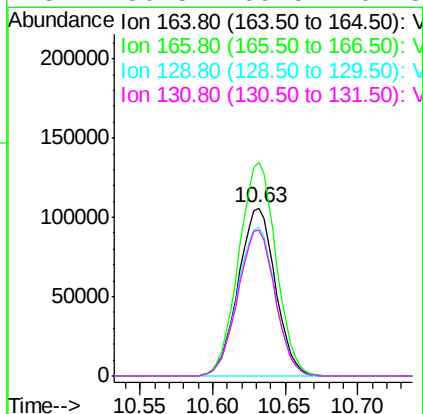
Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD01

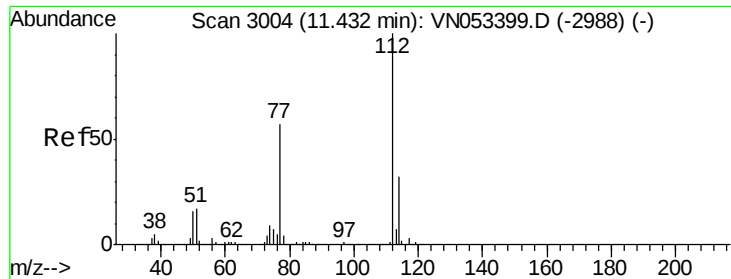
Tot Ion:117 Resp: 976503
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 20.457 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion:164 Resp: 188255
Ion Ratio Lower Upper
164 100
166 127.1 102.2 153.4
129 88.1 72.6 109.0
131 86.5 69.5 104.3





#65

Chlorobenzene

Concen: 20.111 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

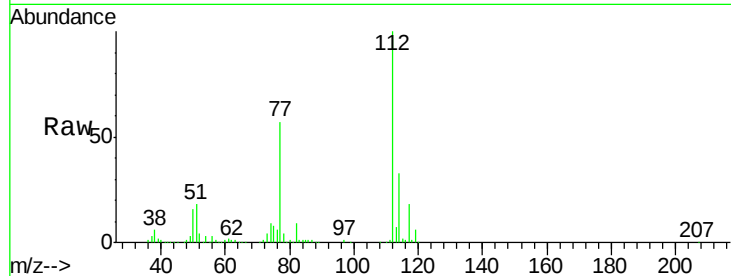
VN0121MBSD01

Tot Ion:112 Resp: 415678

Ion Ratio Lower Upper

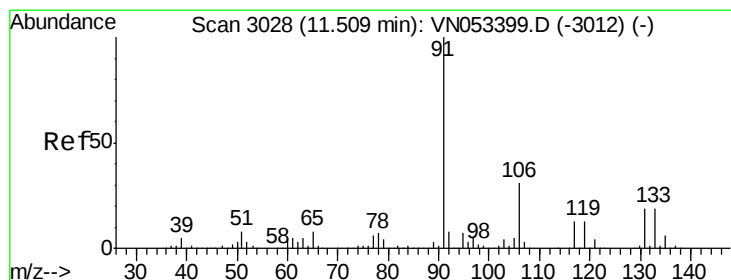
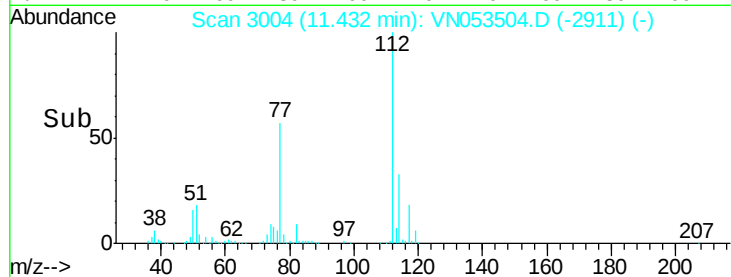
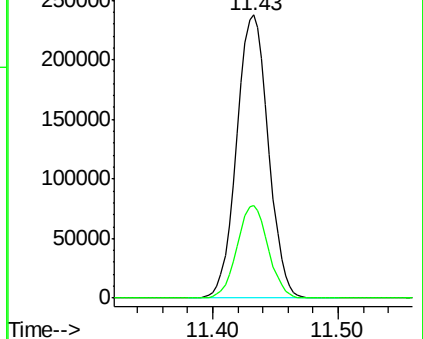
112 100

114 32.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.115 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

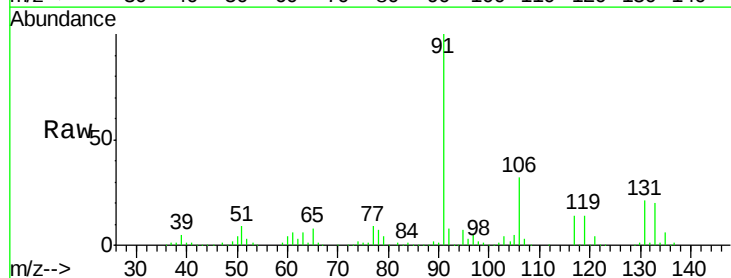
Tgt Ion:131 Resp: 144638

Ion Ratio Lower Upper

131 100

133 97.0 48.0 144.0

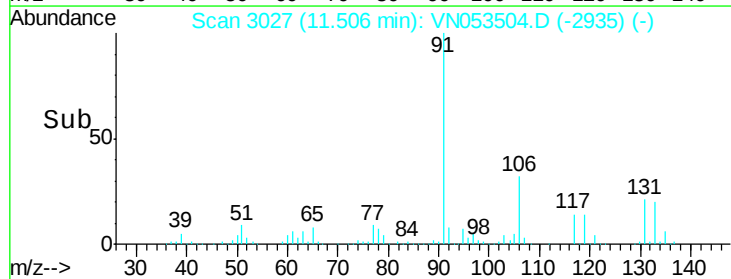
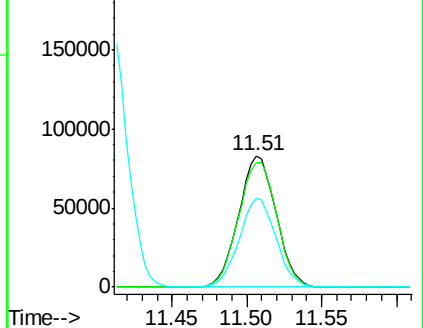
119 66.4 33.5 100.5

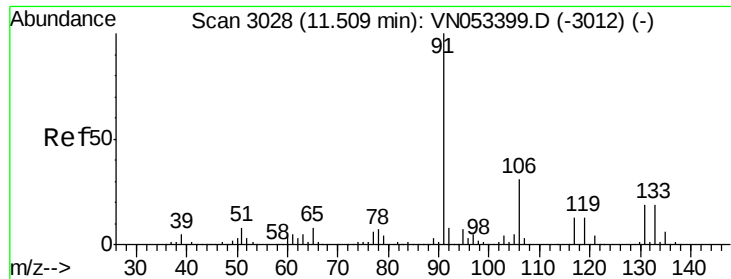


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

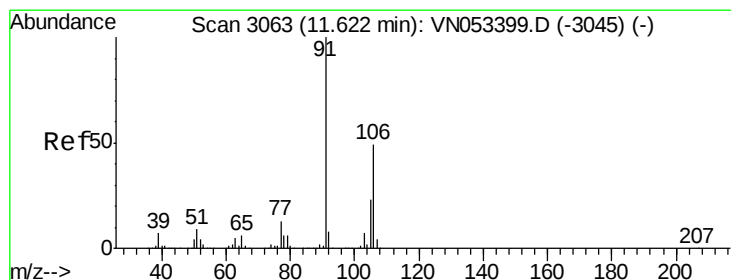
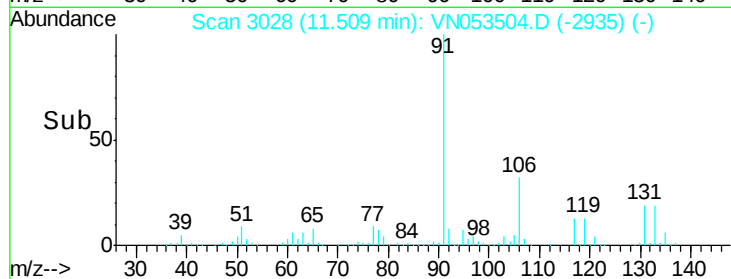
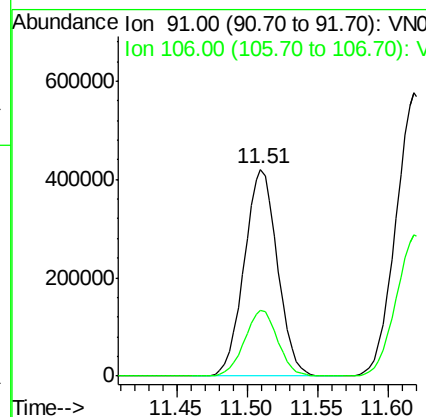
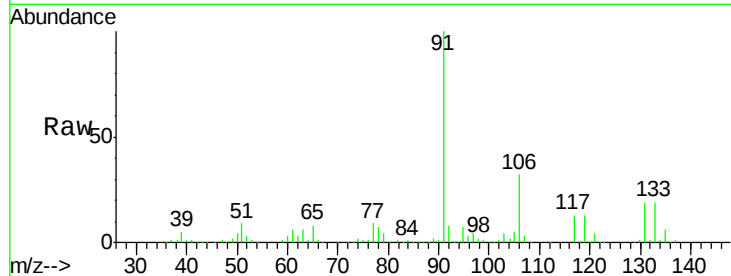




#67
Ethyl Benzene
Concen: 19.718 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

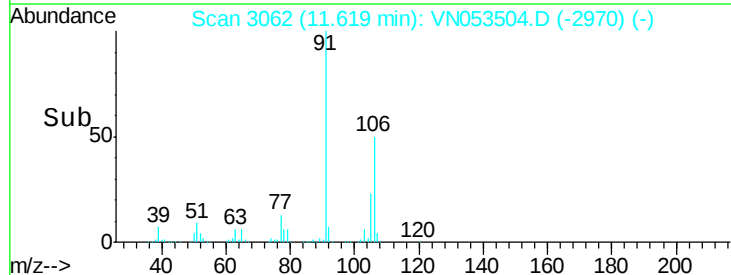
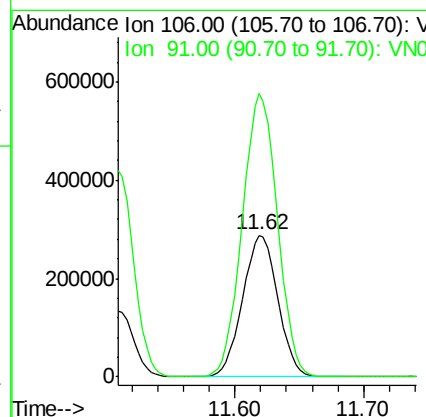
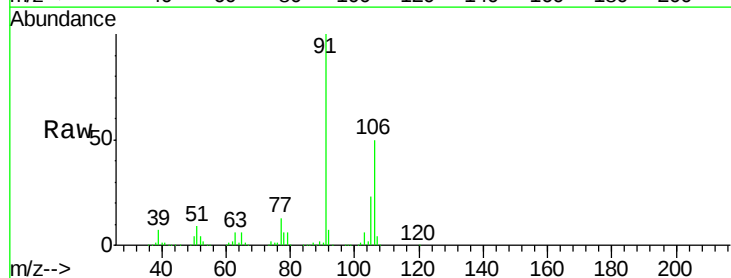
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

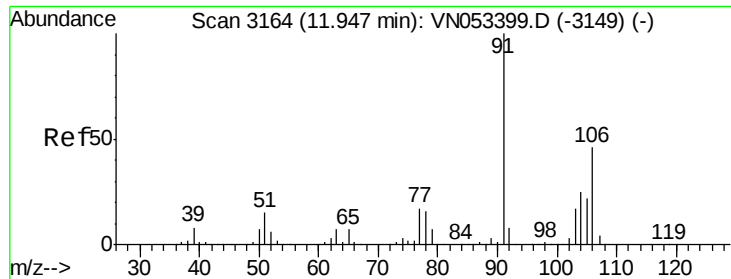
Tot Ion: 91 Resp: 694561
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 41.027 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 106 Resp: 545645
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2

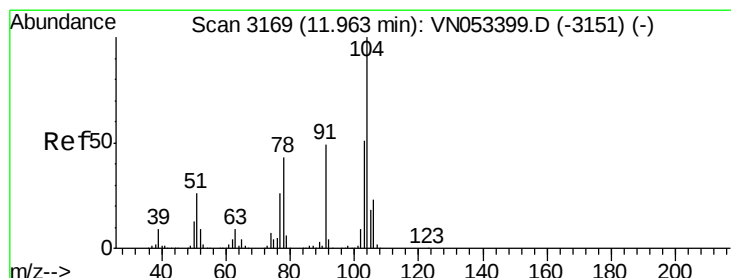
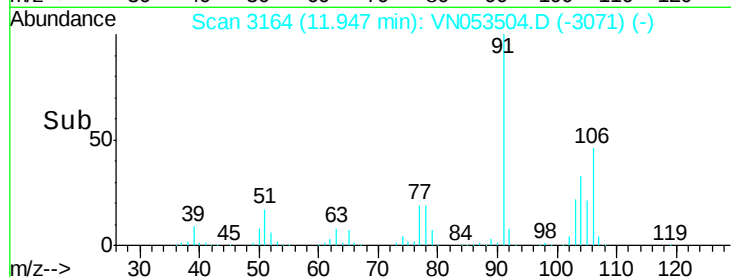
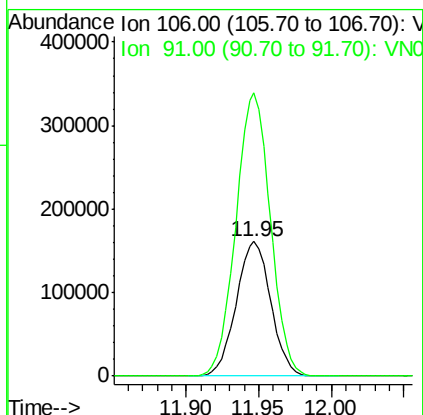
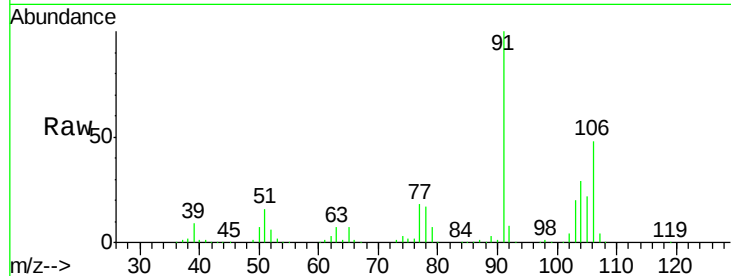




#69
o-Xylene
Concen: 20.646 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

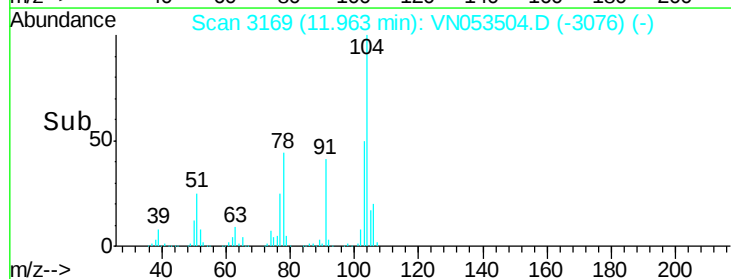
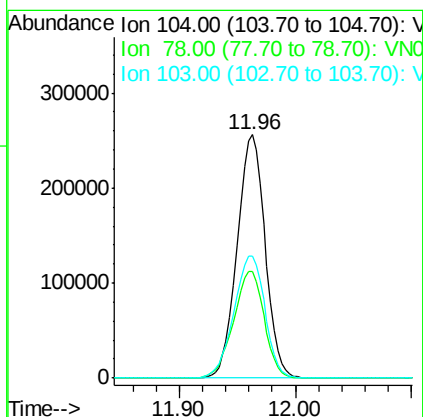
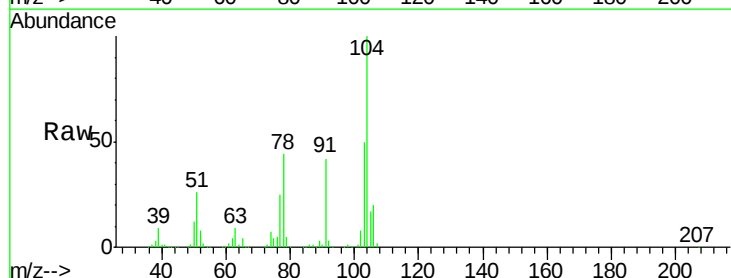
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

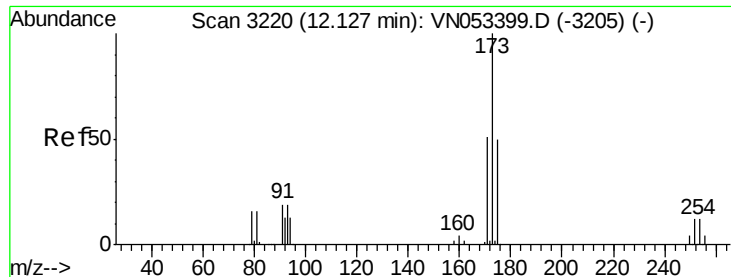
Tot Ion:106 Resp: 266815
Ion Ratio Lower Upper
106 100
91 209.9 106.9 320.8



#70
Styrene
Concen: 20.402 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion:104 Resp: 427903
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.914 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

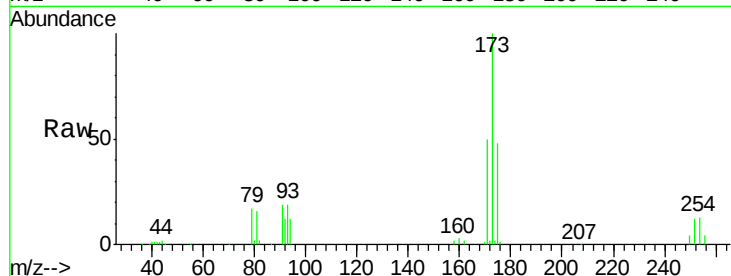
Tot Ion:173 Resp: 98582

Ion Ratio Lower Upper

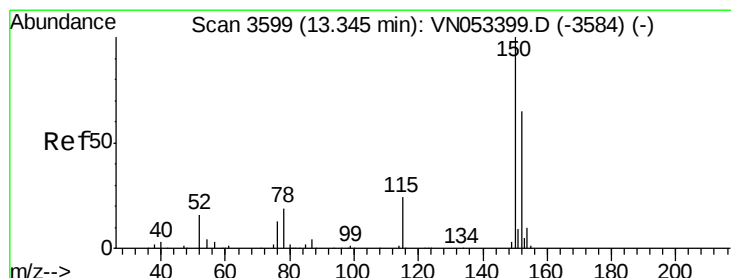
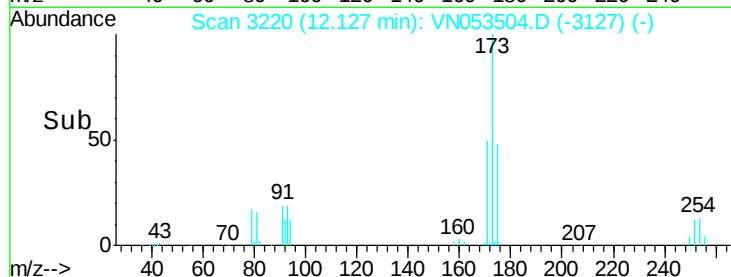
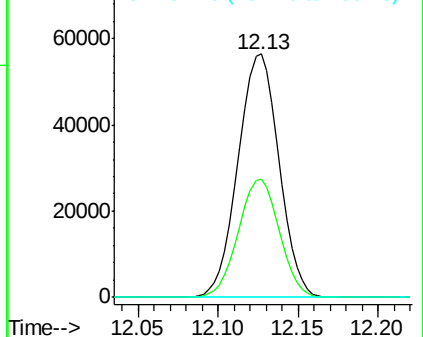
173 100

175 48.6 24.6 74.0

254 0.0 0.2 0.2#



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: VN053504.D

Acq: 21 Jan 2019 14:04

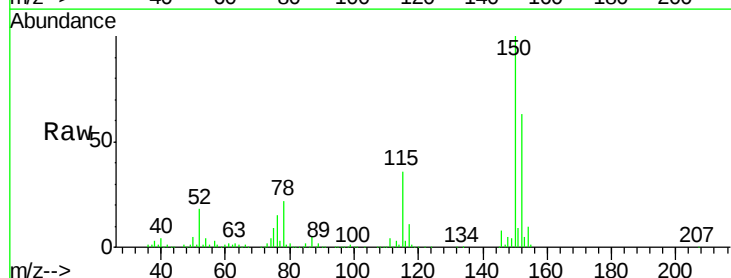
Tgt Ion:152 Resp: 486021

Ion Ratio Lower Upper

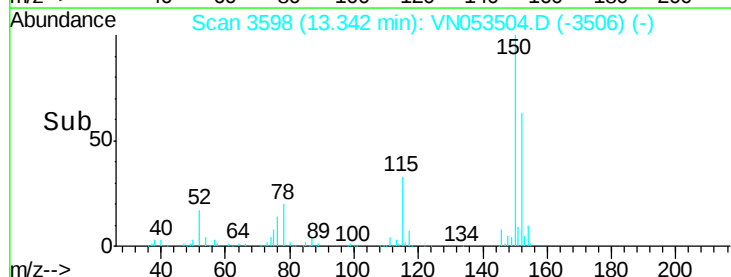
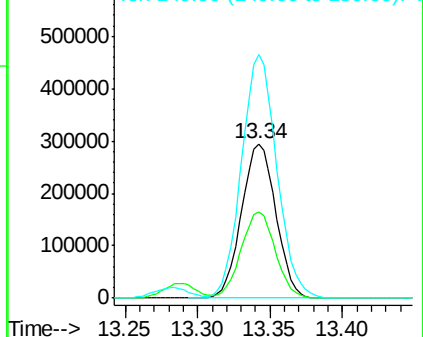
152 100

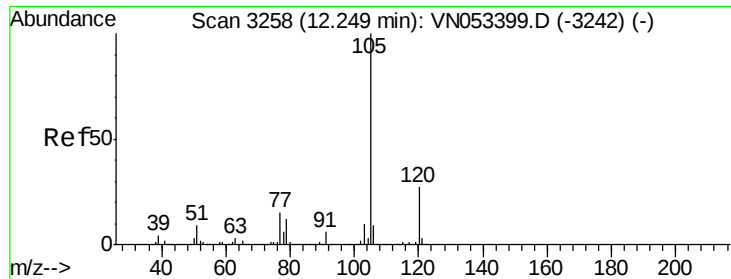
115 55.6 27.8 83.4

150 162.1 0.0 349.0



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: 19.582 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

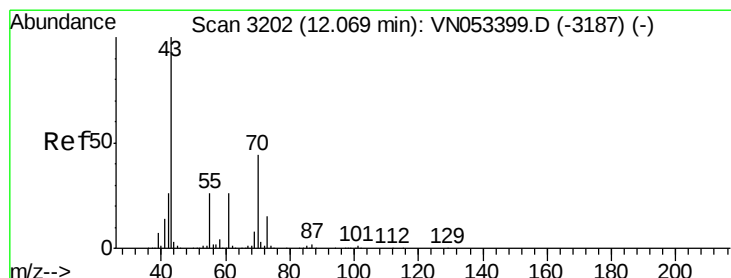
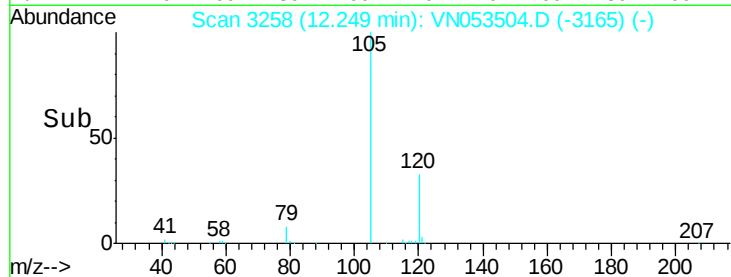
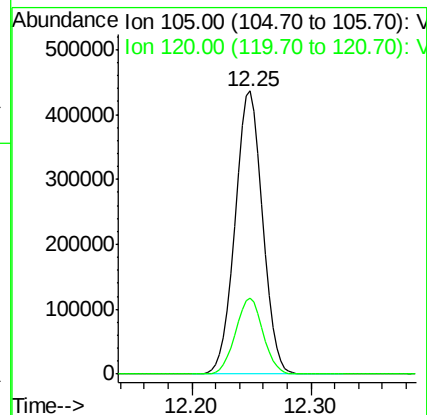
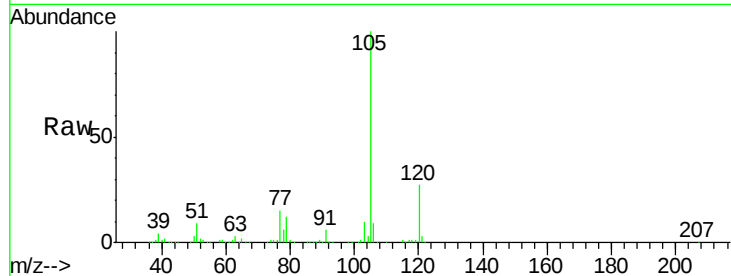
VN0121MBSD01

Tot Ion:105 Resp: 696948

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 19.573 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion: 43 Resp: 185711

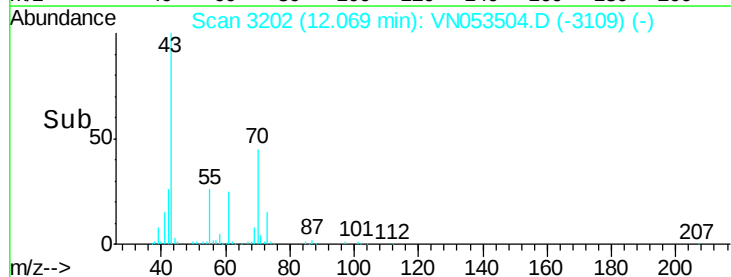
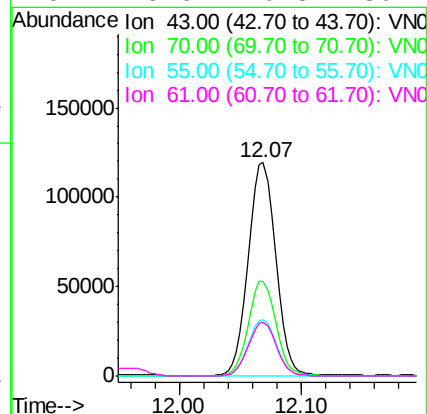
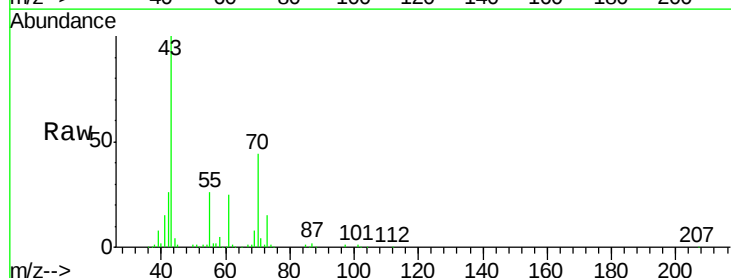
Ion Ratio Lower Upper

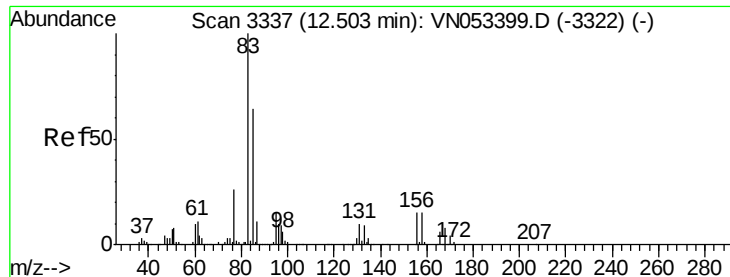
43 100

70 44.8 35.4 53.2

55 27.1 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.268 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

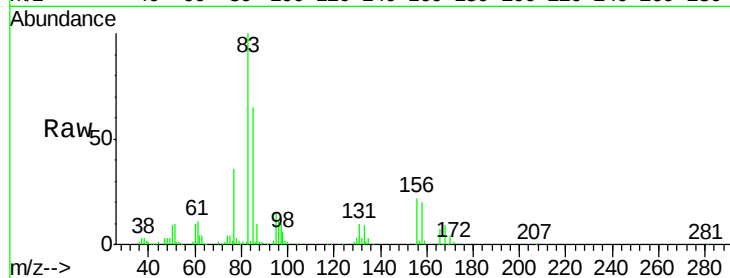
Tot Ion: 83 Resp: 143823

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

85 65.0 32.1 96.3

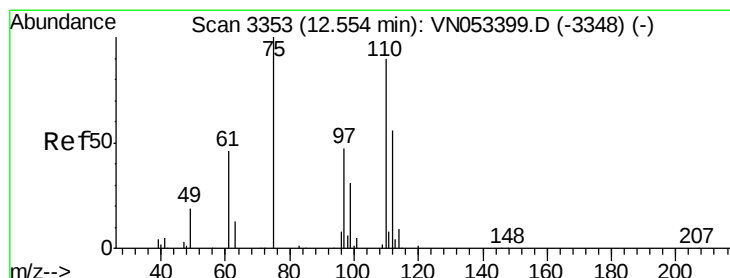
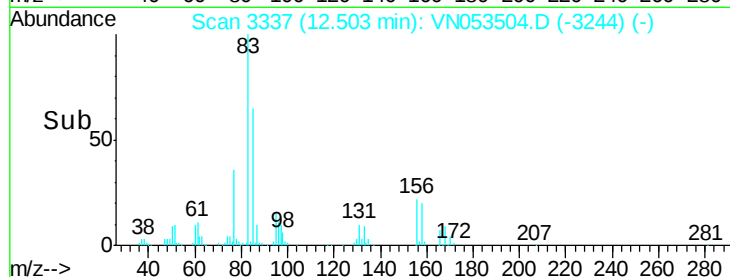


Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.300 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053504.D

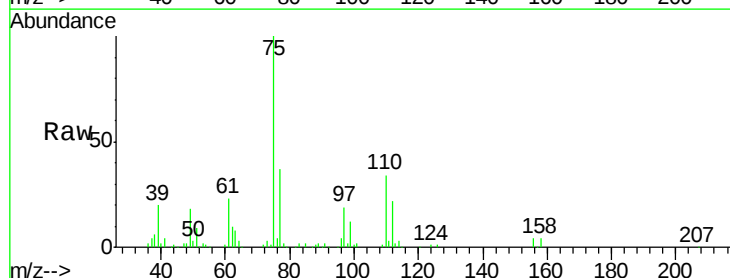
Acq: 21 Jan 2019 14:04

Tgt Ion: 75 Resp: 200473

Ion Ratio Lower Upper

75 100

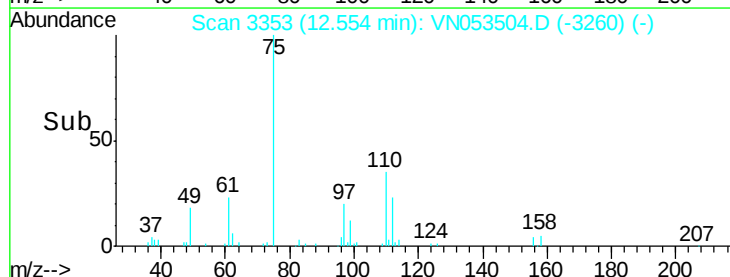
77 0.0 0.0 0.0

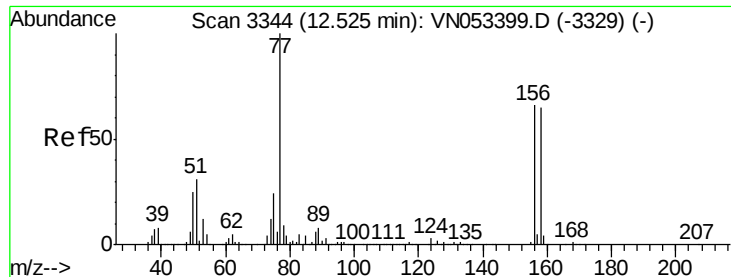


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 19.817 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

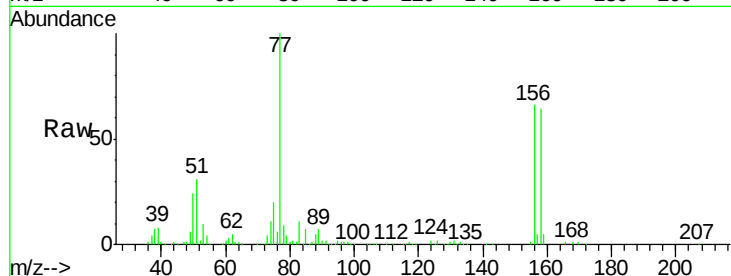
Tot Ion:156 Resp: 185856

Ion Ratio Lower Upper

156 100

77 173.1 87.9 263.8

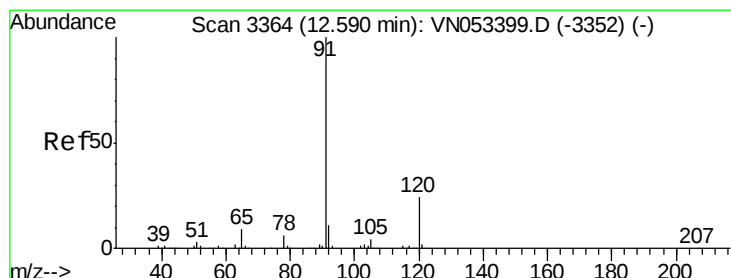
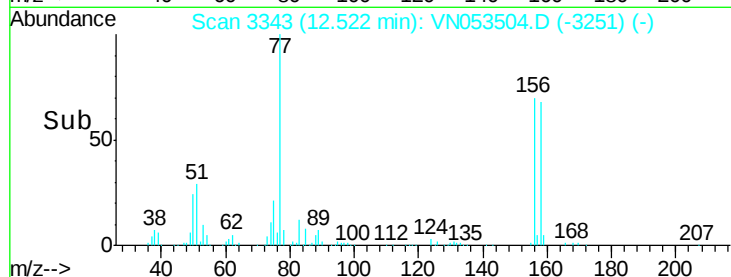
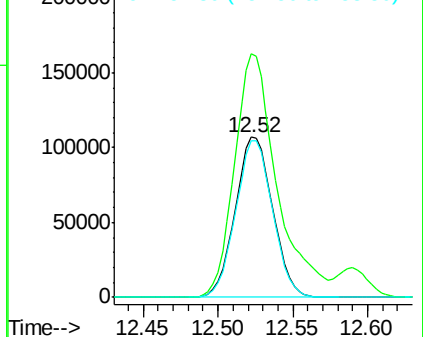
158 96.6 48.8 146.4



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: 19.780 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053504.D

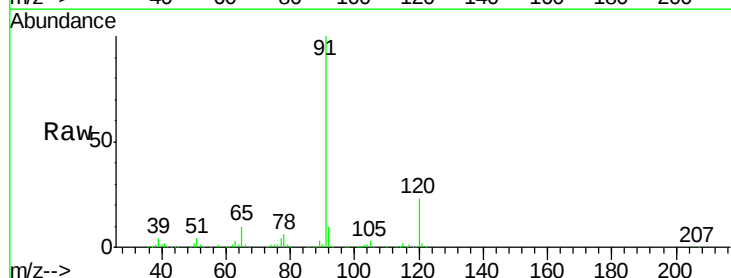
Acq: 21 Jan 2019 14:04

Tgt Ion: 91 Resp: 808118

Ion Ratio Lower Upper

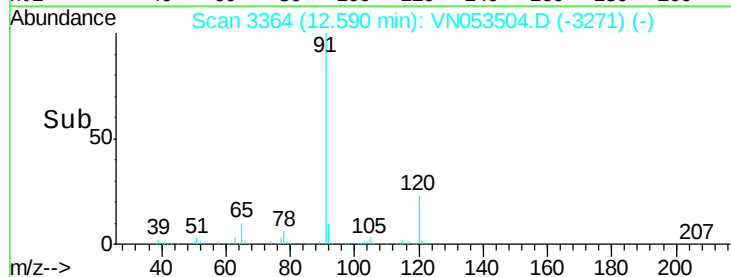
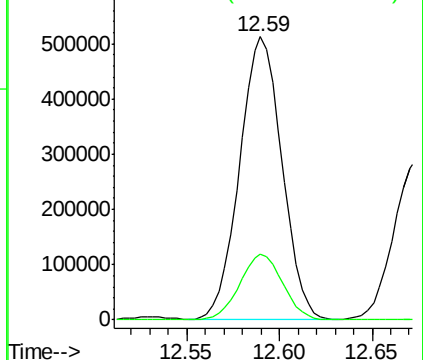
91 100

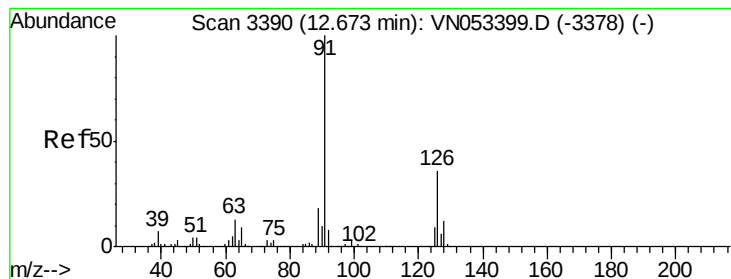
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.882 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

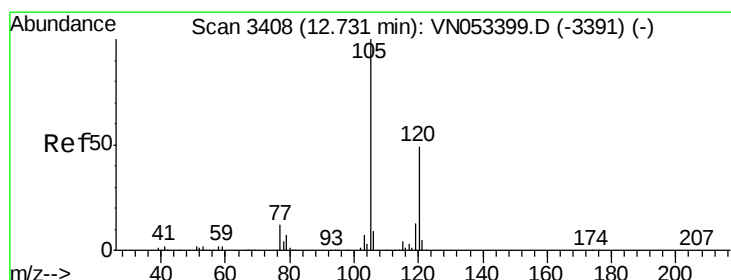
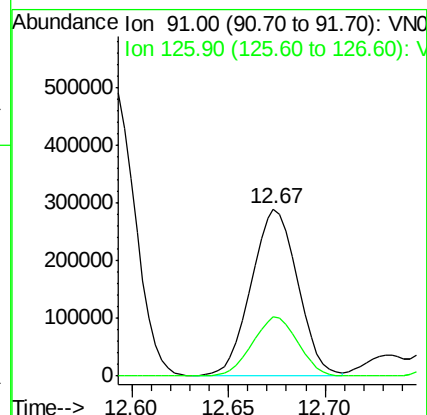
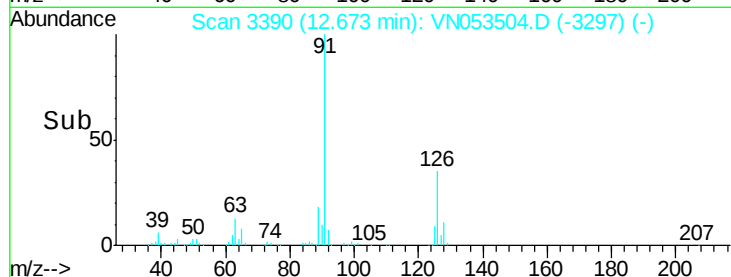
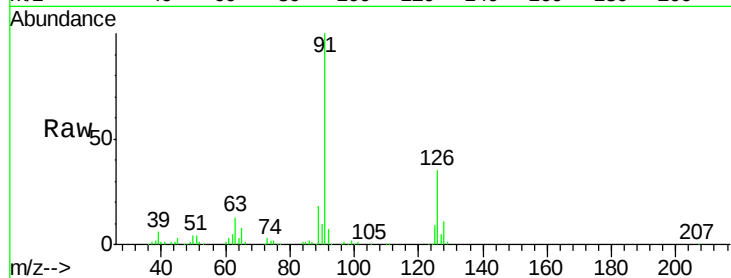
VN0121MBSD01

Tot Ion: 91 Resp: 481479

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.025 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053504.D

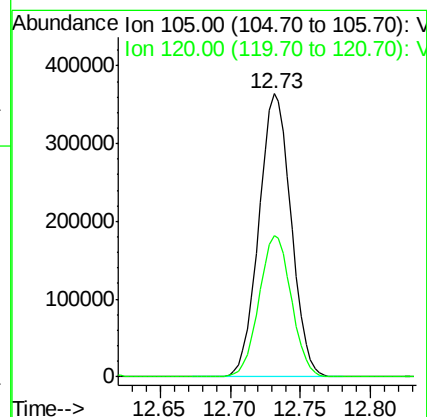
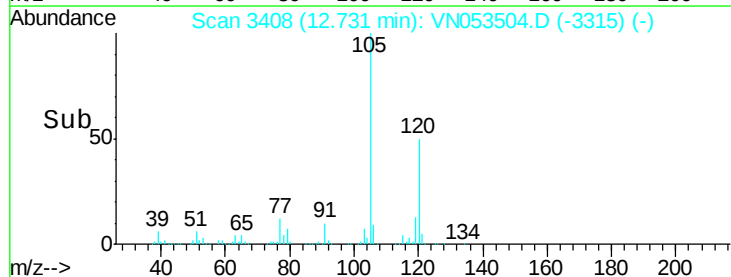
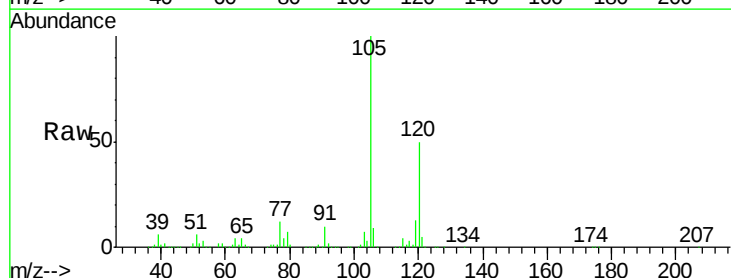
Acq: 21 Jan 2019 14:04

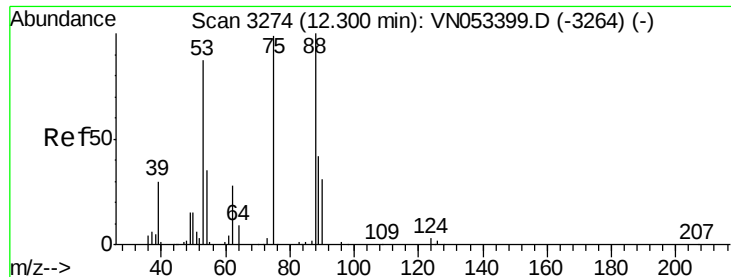
Tgt Ion: 105 Resp: 579892

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.573 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

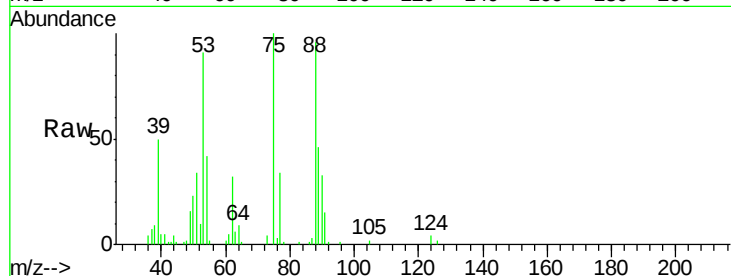
Tot Ion: 75 Resp: 42759

Ion Ratio Lower Upper

75 100

53 93.1 69.8 104.6

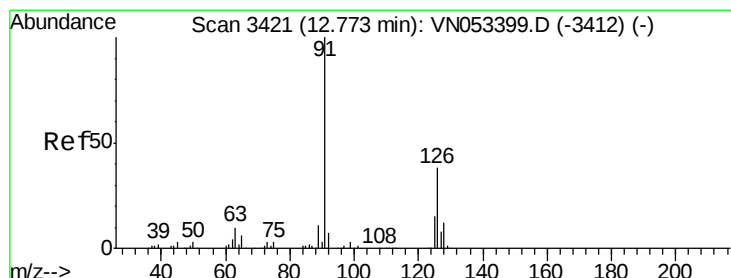
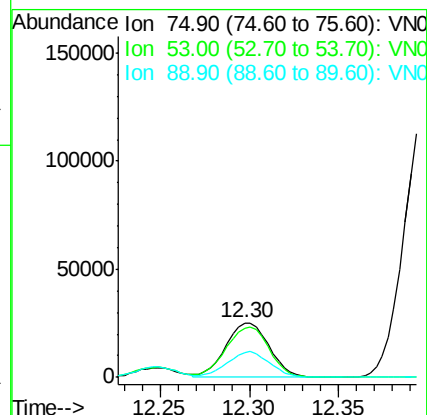
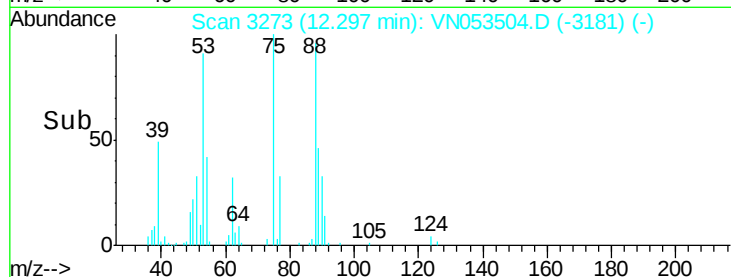
89 45.2 35.6 53.4



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: 19.709 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053504.D

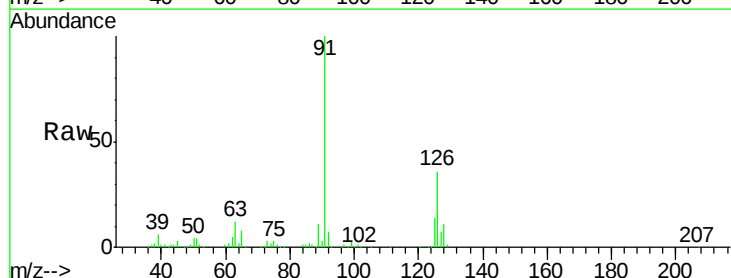
Acq: 21 Jan 2019 14:04

Tgt Ion: 91 Resp: 486726

Ion Ratio Lower Upper

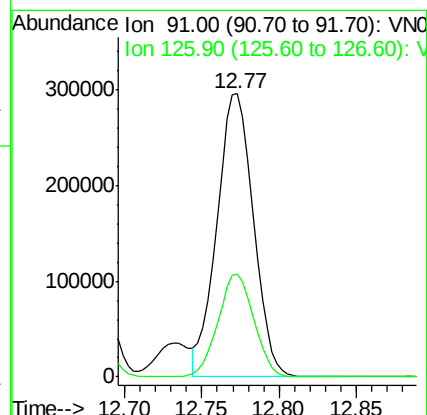
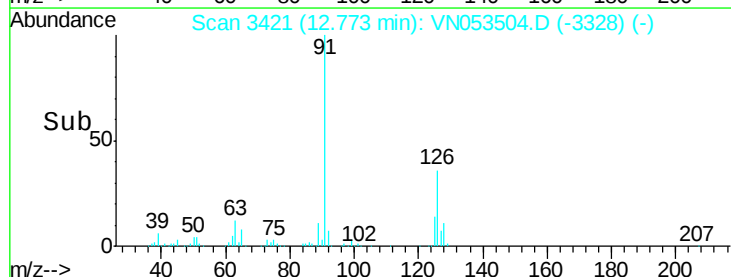
91 100

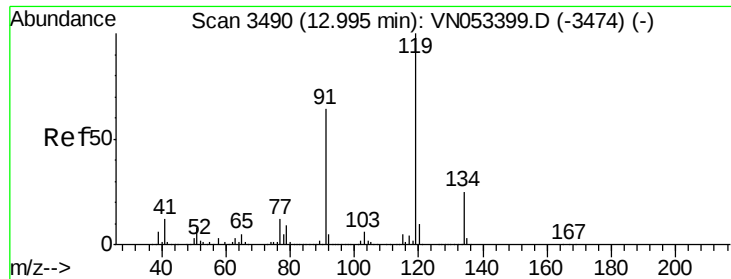
126 35.7 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

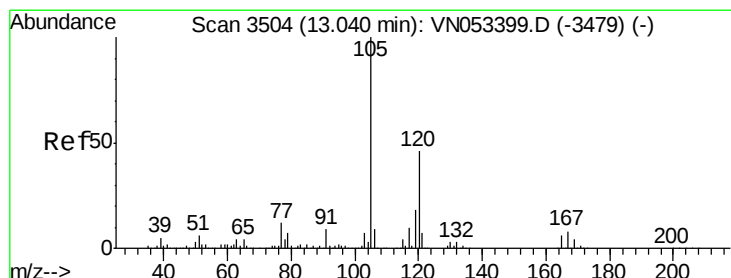
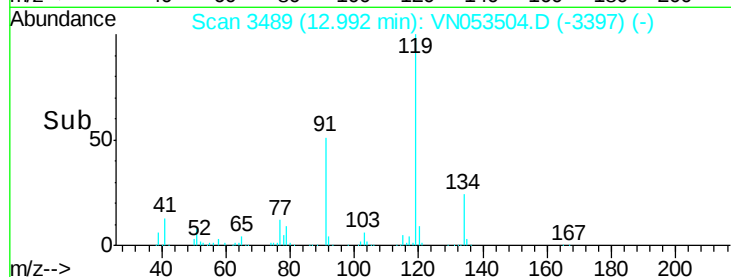
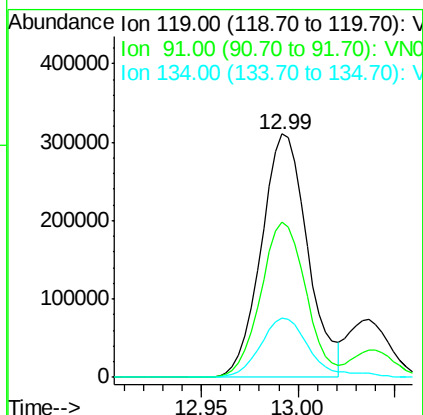
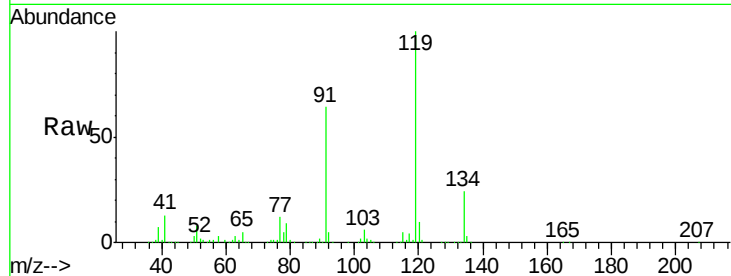




#83
tert-Butylbenzene
Concen: 20.185 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

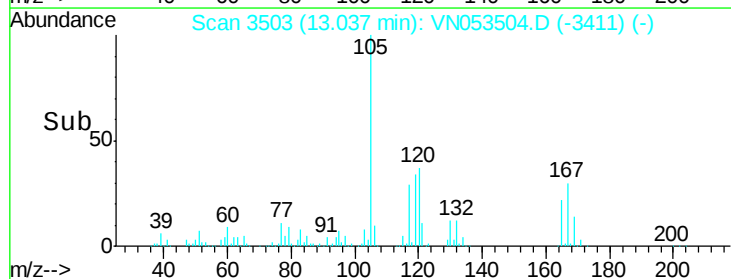
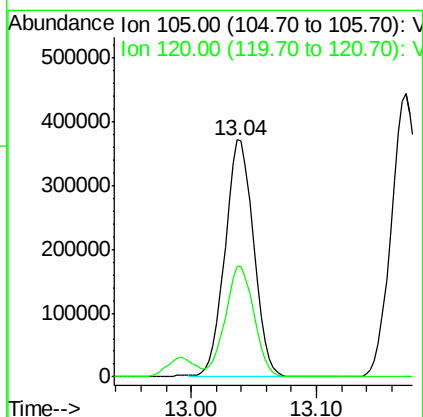
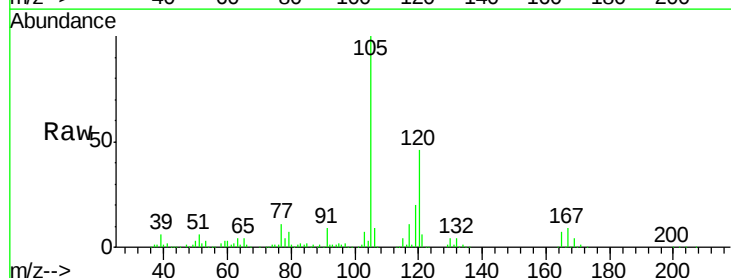
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

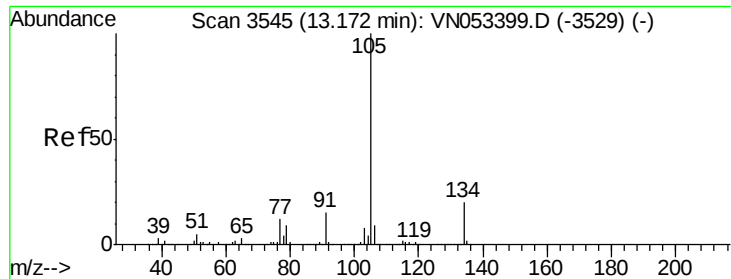
Tot Ion:119 Resp: 516271
Ion Ratio Lower Upper
119 100
91 62.3 31.3 93.8
134 26.0 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion:105 Resp: 589514
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.008 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

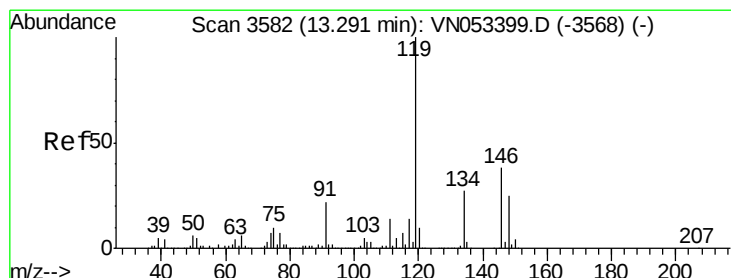
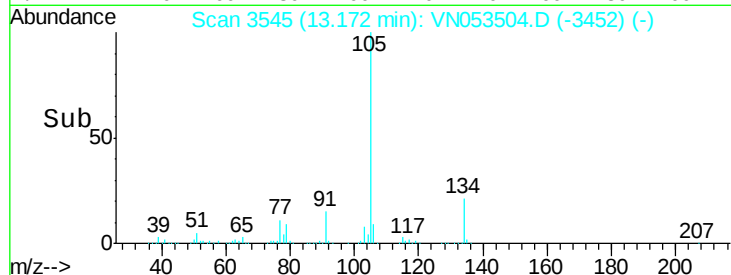
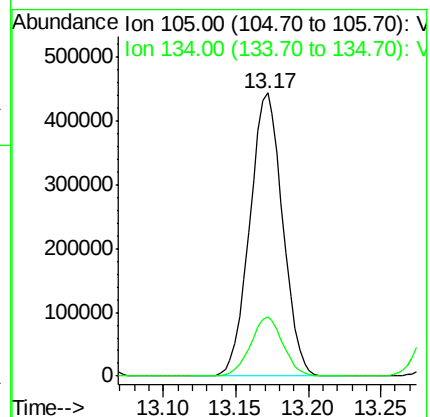
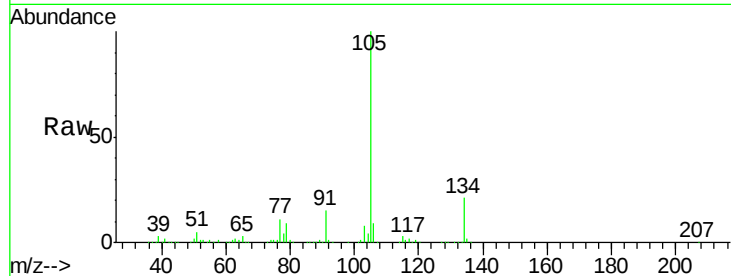
VN0121MBSD01

Tot Ion:105 Resp: 701816

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.059 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

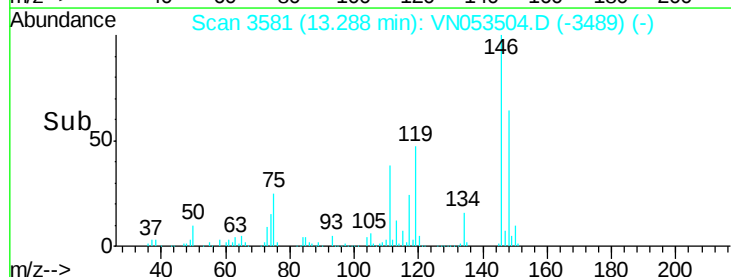
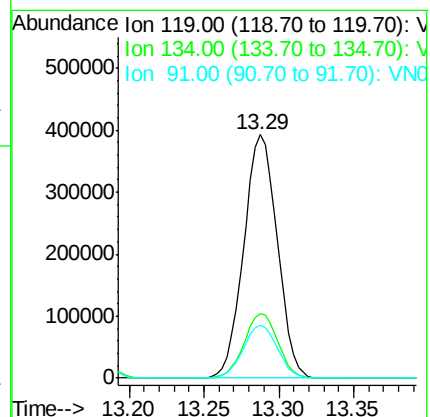
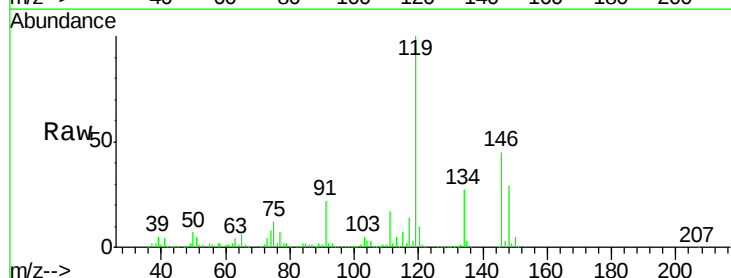
Tgt Ion:119 Resp: 610929

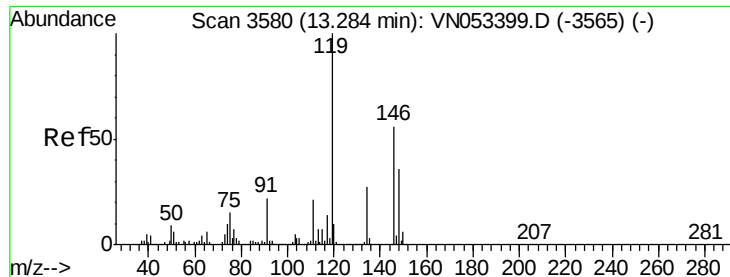
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.3 11.0 33.0

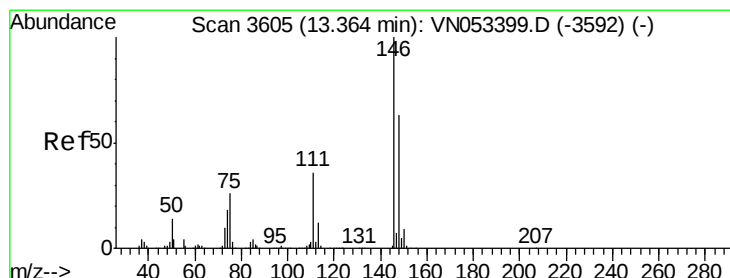
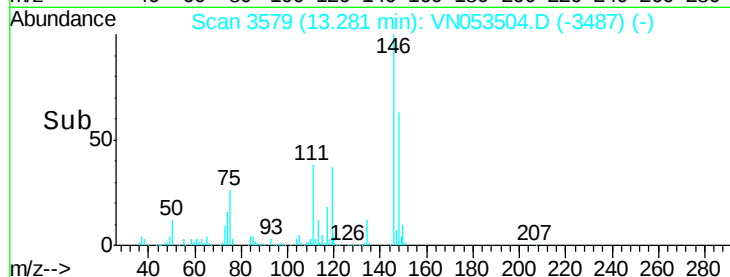
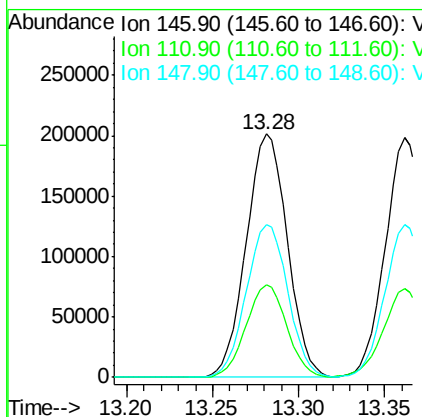
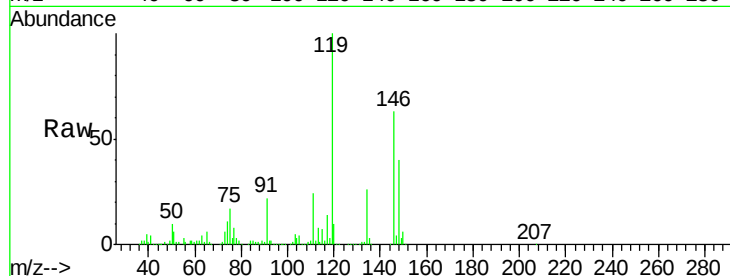




#87
 1,3-Dichlorobenzene
 Concen: 20.249 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

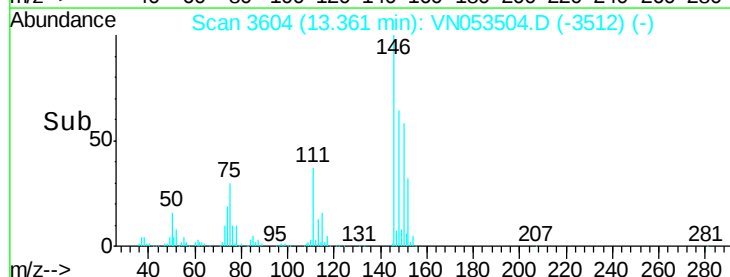
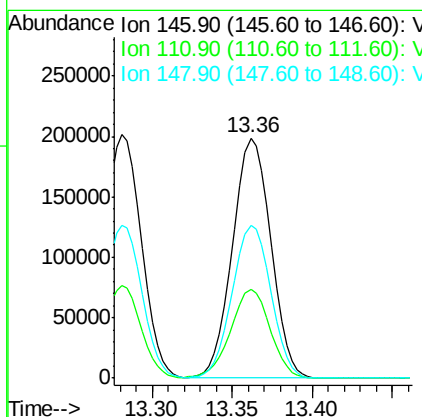
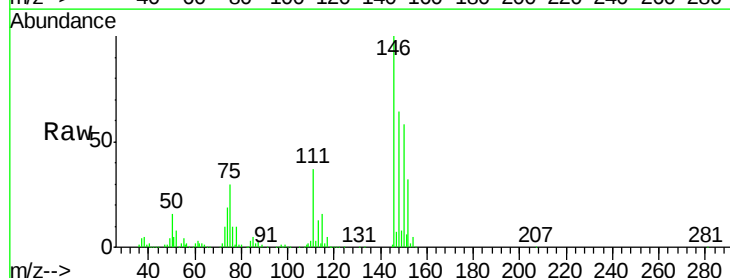
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

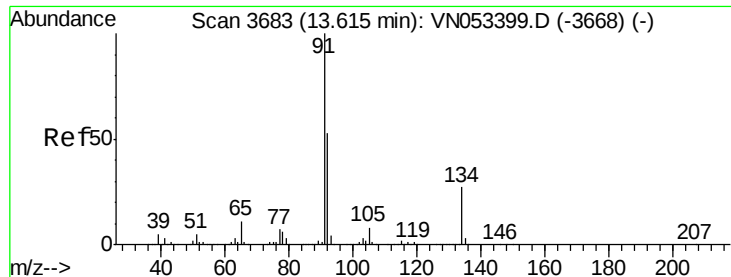
Tot Ion:146 Resp: 334048
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.636 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion:146 Resp: 324939
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 64.3 32.4 97.0





#89

n-Butylbenzene

Concen: 19.433 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

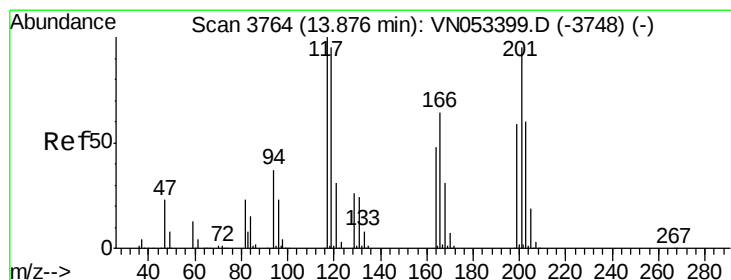
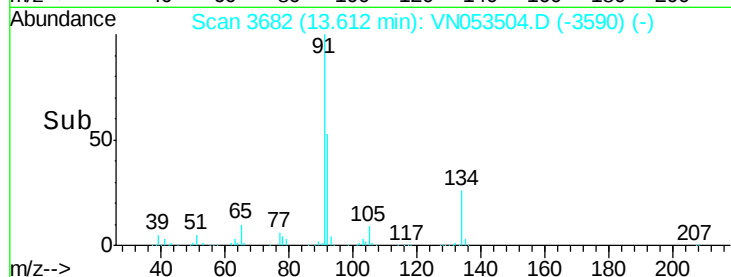
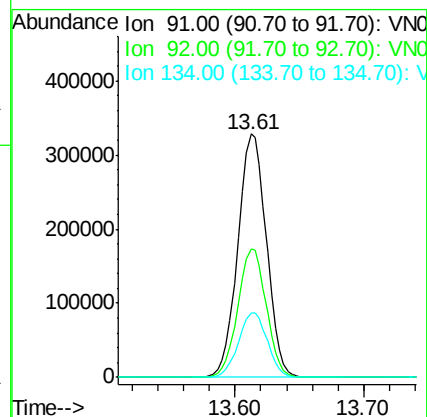
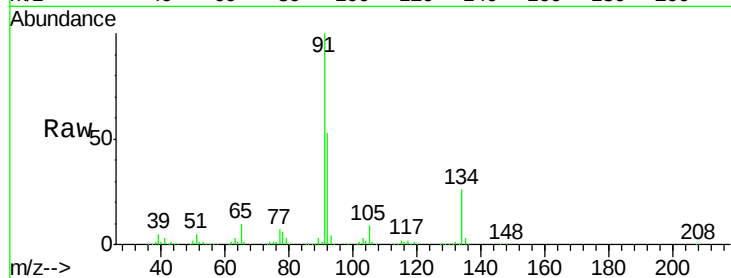
Tot Ion: 91 Resp: 504521

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

134 26.9 13.5 40.5



#90

Hexachloroethane

Concen: 19.336 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053504.D

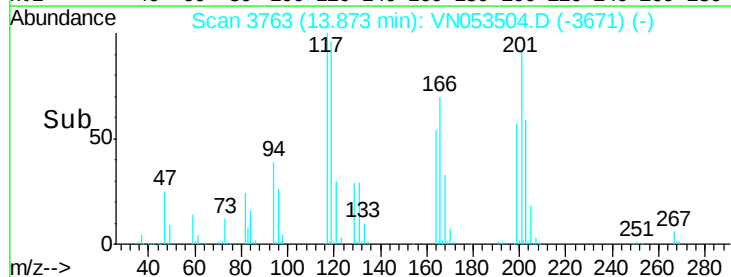
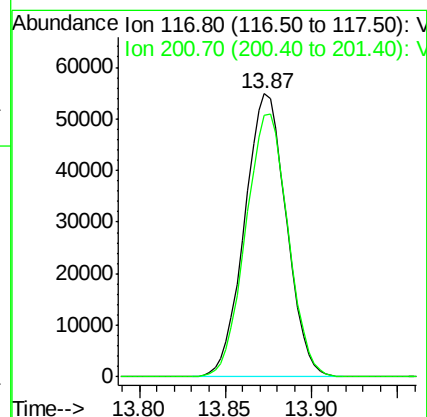
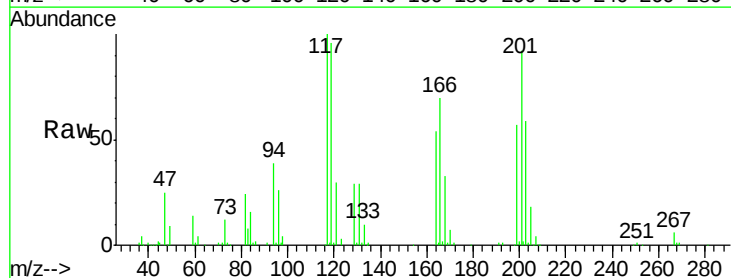
Acq: 21 Jan 2019 14:04

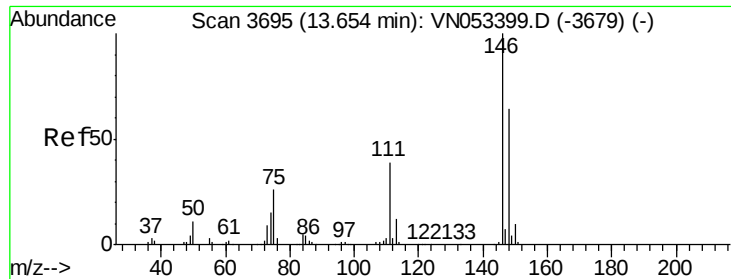
Tgt Ion: 117 Resp: 92361

Ion Ratio Lower Upper

117 100

201 94.1 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 21.156 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

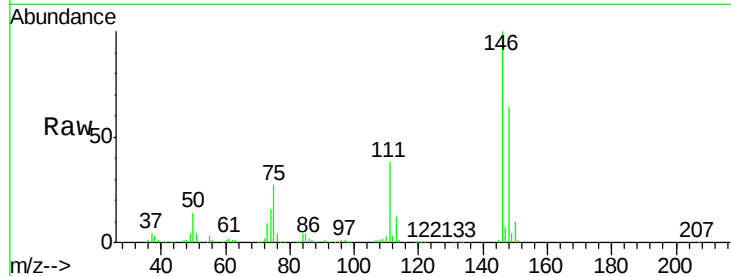
Tot Ion:146 Resp: 321090

Ion Ratio Lower Upper

146 100

111 38.2 19.5 58.5

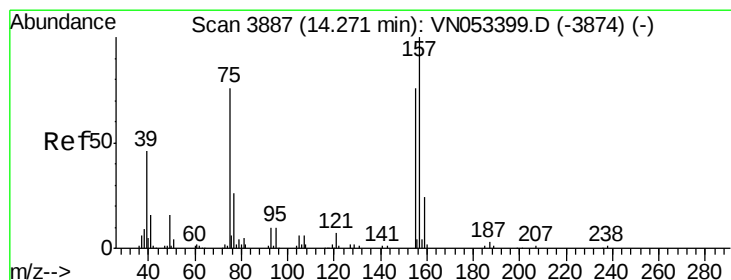
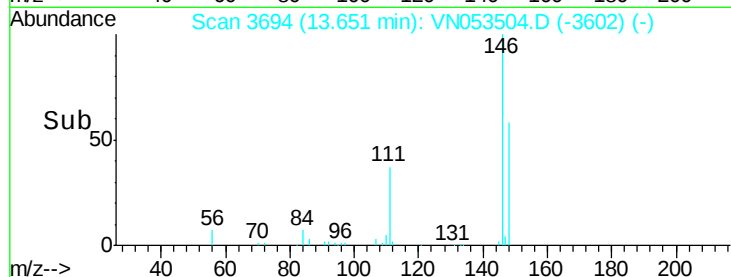
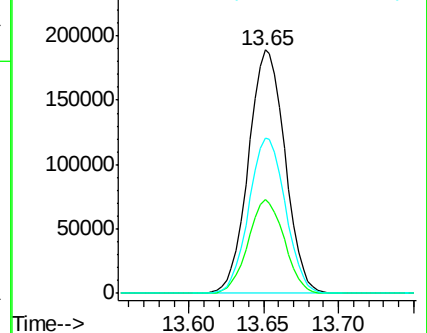
148 64.0 31.9 95.9



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: 21.762 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

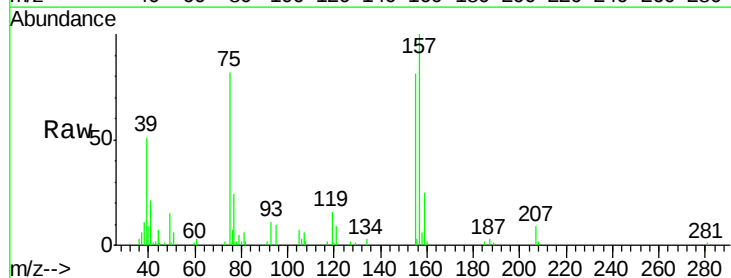
Tgt Ion: 75 Resp: 20597

Ion Ratio Lower Upper

75 100

155 97.4 48.9 146.7

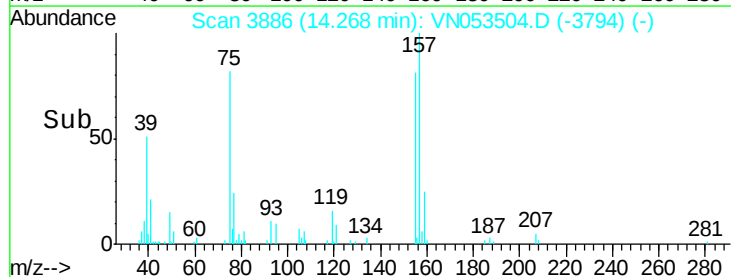
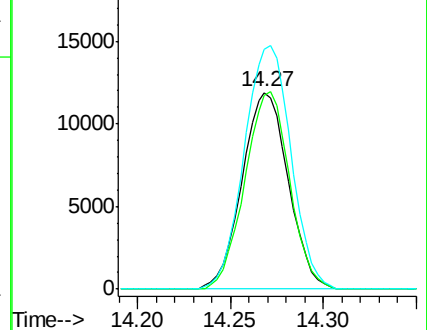
157 125.4 63.7 191.3

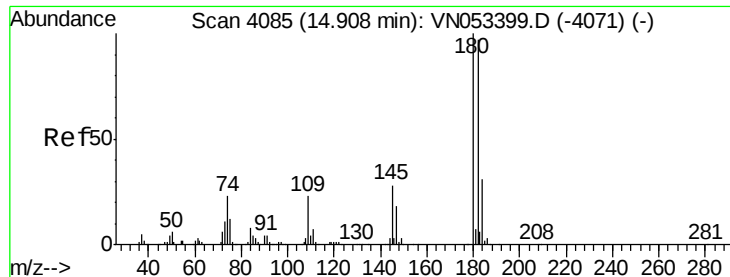


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.564 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

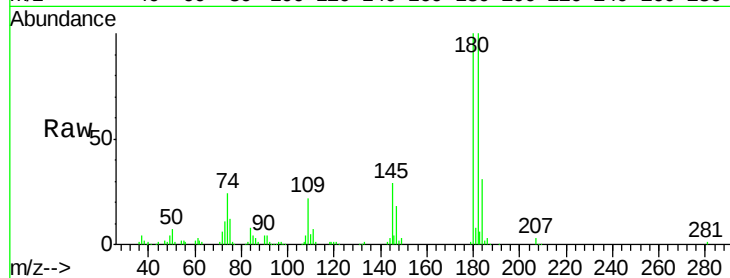
Tot Ion:180 Resp: 133254

Ion Ratio Lower Upper

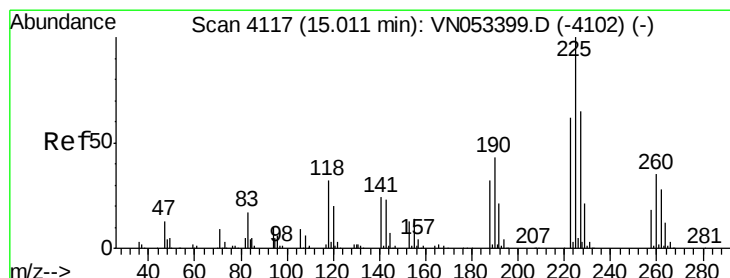
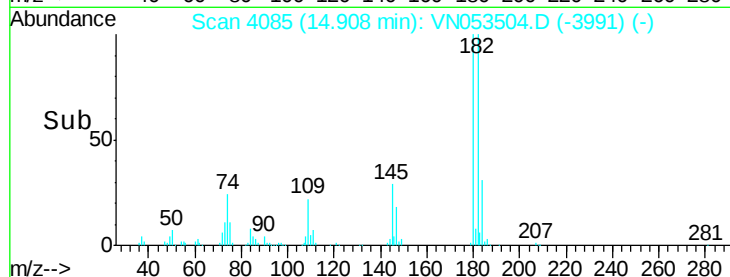
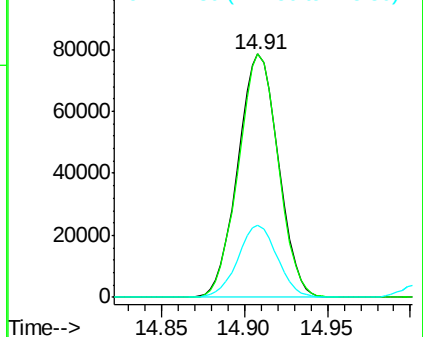
180 100

182 98.0 48.1 144.3

145 28.9 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.170 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

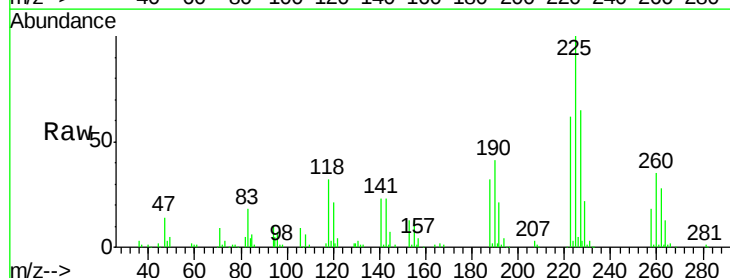
Tgt Ion:225 Resp: 104964

Ion Ratio Lower Upper

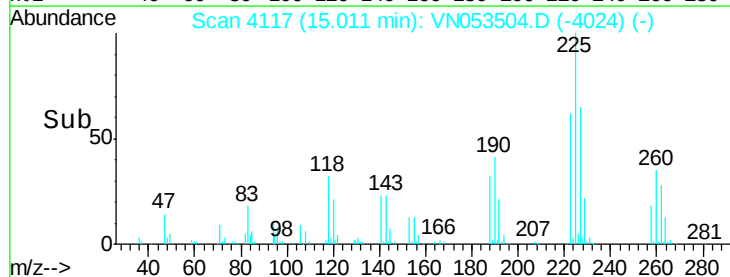
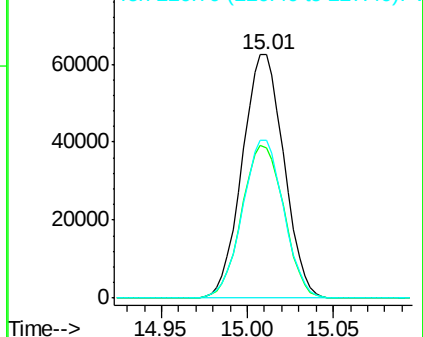
225 100

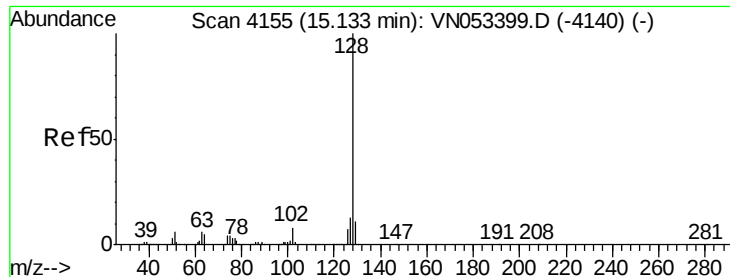
223 63.2 31.1 93.2

227 64.4 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

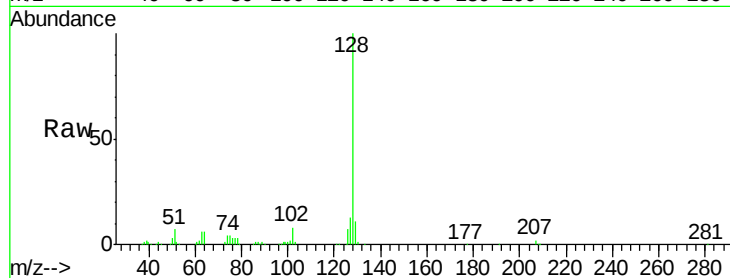
Tot Ion:128 Resp: 220960

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

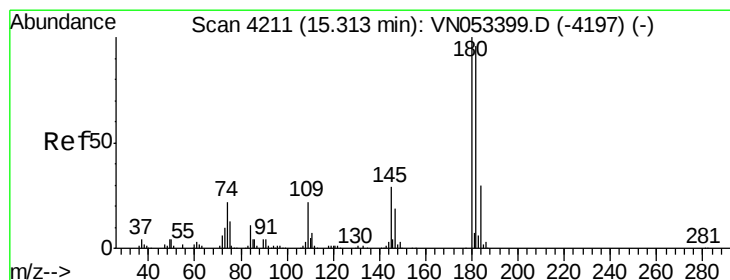
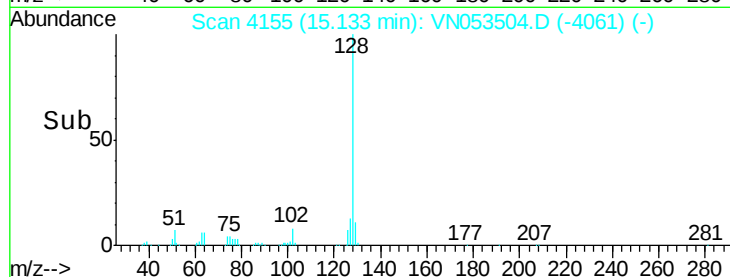
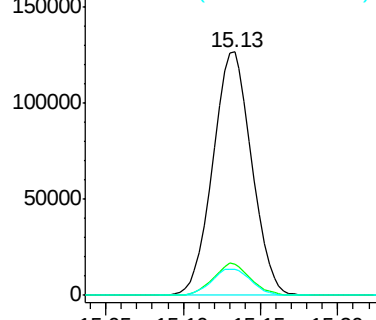
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.273 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

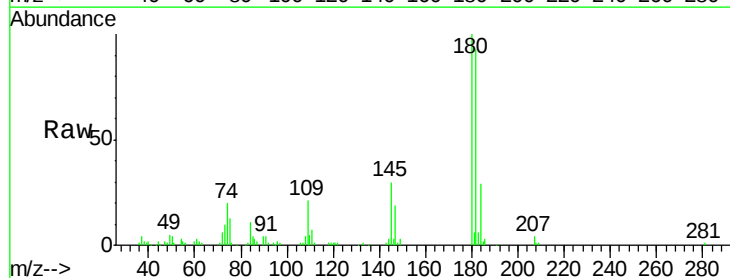
Tgt Ion:180 Resp: 97631

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.8

145 29.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

