

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054556.D
 Acq On : 22 Mar 2019 14:25
 Operator : JC/SP
 Sample : VN0322WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

Quant Time: Mar 23 02:30:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	463874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	765464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	270192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	315603	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
35) Dibromofluoromethane	7.59	113	250885	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.09	98	921752	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	306370	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99976	22.545	ug/l	99
3) Chloromethane	2.06	50	136489	22.622	ug/l	98
4) Vinyl Chloride	2.19	62	130109	21.478	ug/l	100
5) Bromomethane	2.58	94	74824	19.102	ug/l	97
6) Chloroethane	2.71	64	72868	20.055	ug/l	100
7) Trichlorofluoromethane	3.02	101	155210	21.098	ug/l	100
8) Diethyl Ether	3.41	74	54465	19.251	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82679	19.123	ug/l	94
10) Methyl Iodide	3.94	142	116177	18.267	ug/l	92
11) Tert butyl alcohol	4.82	59	39105	111.946	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	82013	18.330	ug/l #	73
13) Acrolein	3.61	56	46966	97.427	ug/l	96
14) Allyl chloride	4.32	41	185193	21.981	ug/l #	93
15) Acrylonitrile	5.00	53	208249	119.712	ug/l	99
16) Acetone	3.82	43	155184	89.458	ug/l #	84
17) Carbon Disulfide	4.04	76	221288	18.459	ug/l	98
18) Methyl Acetate	4.33	43	93408	24.158	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	296938	22.740	ug/l	95
20) Methylene Chloride	4.55	84	111272	21.760	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	100524	22.003	ug/l	87
22) Diisopropyl ether	5.96	45	395384	23.792	ug/l #	94
23) Vinyl Acetate	5.90	43	1371737	116.870	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	206140	23.037	ug/l	97
25) 2-Butanone	6.85	43	258085	116.142	ug/l	89
26) 2,2-Dichloropropane	6.82	77	130952	20.530	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	117806	21.618	ug/l	87
28) Bromochloromethane	7.19	49	97103	22.047	ug/l #	71
29) Tetrahydrofuran	7.22	42	177515	123.100	ug/l #	84
30) Chloroform	7.37	83	199412	22.836	ug/l	98
31) Cyclohexane	7.65	56	198291	22.090	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	160533	22.283	ug/l	95
36) 1,1-Dichloropropene	7.79	75	148172	20.703	ug/l	96
37) Ethyl Acetate	6.94	43	116223	22.832	ug/l	96
38) Carbon Tetrachloride	7.77	117	138178	19.867	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	163506	19.971	ug/l	90
40) Benzene	8.04	78	444119	21.700	ug/l	98
41) Methacrylonitrile	7.18	41	68968	22.216	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	159393	21.385	ug/l	98
43) Isopropyl Acetate	8.17	43	191669	22.295	ug/l #	94
44) Trichloroethene	8.84	130	114813	20.178	ug/l	91
45) 1,2-Dichloropropane	9.12	63	123730	22.514	ug/l	97
46) Dibromomethane	9.21	93	71332	21.757	ug/l	90
47) Bromodichloromethane	9.40	83	140547	20.656	ug/l	99
48) Methyl methacrylate	9.20	41	98252	21.057	ug/l	89
49) 1,4-Dioxane	9.20	88	22243	426.401	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	551853	115.826	ug/l	93
52) Toluene	10.16	92	262114	20.823	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	128051	19.276	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	162525	20.832	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	99435	21.976	ug/l	99
56) Ethyl methacrylate	10.43	69	129431	21.312	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	172499	21.931	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	249992	99.964	ug/l	90
59) 2-Hexanone	10.75	43	339729	109.164	ug/l	92
60) Dibromochloromethane	10.90	129	96626	20.068	ug/l	98
61) 1,2-Dibromoethane	11.00	107	94692	21.168	ug/l	100
64) Tetrachloroethene	10.63	164	109804	20.424	ug/l	96
65) Chlorobenzene	11.43	112	274416	20.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99866	21.106	ug/l	97
67) Ethyl Benzene	11.51	91	493128	21.176	ug/l	98
68) m/p-Xylenes	11.62	106	365697	41.461	ug/l	96
69) o-Xylene	11.95	106	181135	21.028	ug/l	99
70) Styrene	11.96	104	292244	20.892	ug/l	97
71) Bromoform	12.13	173	55548	18.492	ug/l #	99
73) Isopropylbenzene	12.25	105	473301	21.738	ug/l	98
74) N-amyl acetate	12.07	43	148459	23.714	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	114706	23.079	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	136254	31.779	ug/l #	100
77) Bromobenzene	12.53	156	114560	21.215	ug/l	86
78) n-propylbenzene	12.59	91	509392	21.576	ug/l	97
79) 2-Chlorotoluene	12.67	91	316188	21.476	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	378832	21.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21926	19.683	ug/l #	73
82) 4-Chlorotoluene	12.77	91	305882	21.434	ug/l	95
83) tert-Butylbenzene	12.99	119	328080	21.122	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	372933	21.299	ug/l	99
85) sec-Butylbenzene	13.17	105	410798	21.216	ug/l	99
86) p-Isopropyltoluene	13.29	119	367410	21.209	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	187949	21.003	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179799	20.651	ug/l	98
89) n-Butylbenzene	13.61	91	285092	21.047	ug/l	96
90) Hexachloroethane	13.88	117	53497	19.895	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	187835	21.671	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16507	22.643	ug/l	87

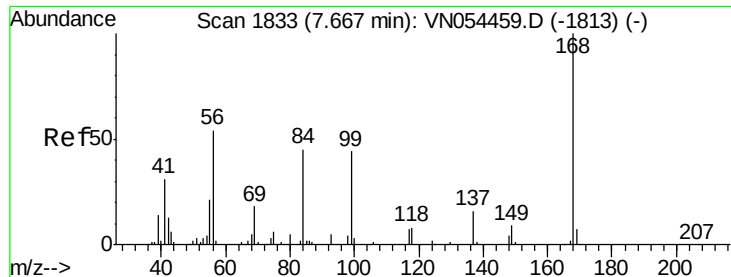
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
Data File : VN054556.D
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Sample : VN0322WBS01
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Quant Time: Mar 23 02:30:37 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87805	20.322	ug/l	98
94) Hexachlorobutadiene	15.01	225	55455	21.427	ug/l	99
95) Naphthalene	15.13	128	202198	20.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	87276	20.295	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

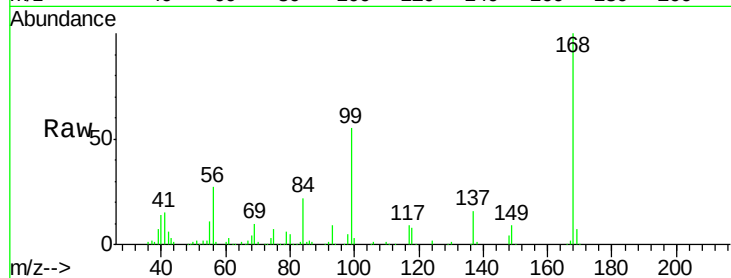
VN0322WBS01

Tot Ion:168 Resp: 463874

Ion Ratio Lower Upper

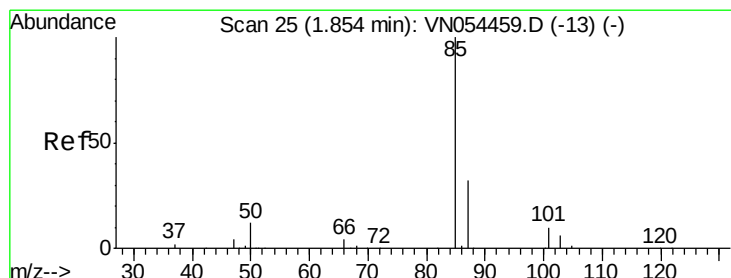
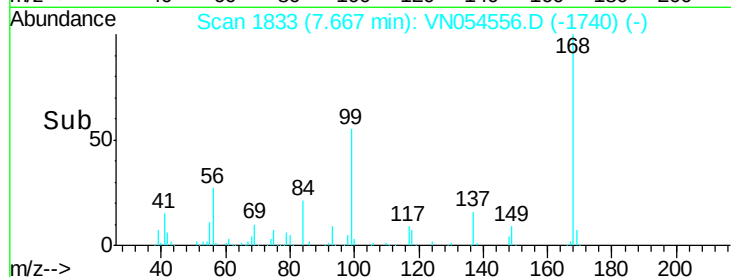
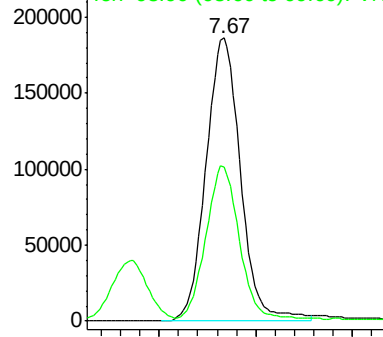
168 100

99 53.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.545 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054556.D

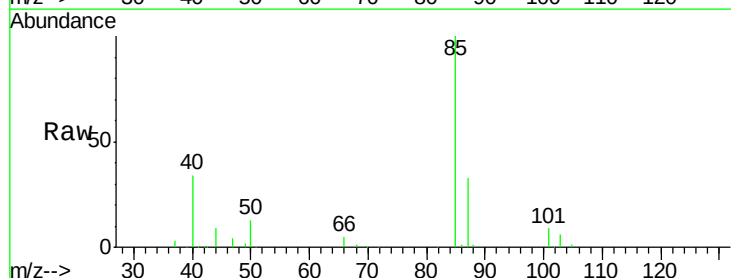
Acq: 22 Mar 2019 14:25

Tgt Ion: 85 Resp: 99976

Ion Ratio Lower Upper

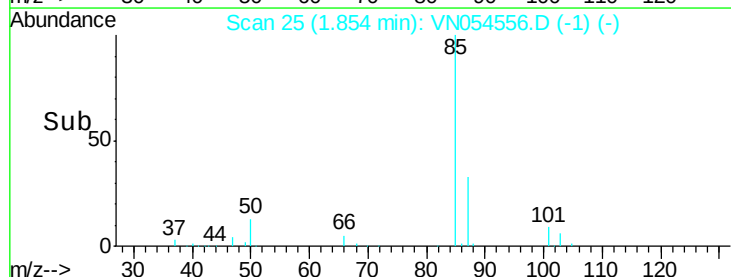
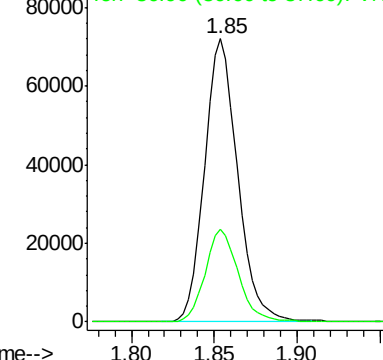
85 100

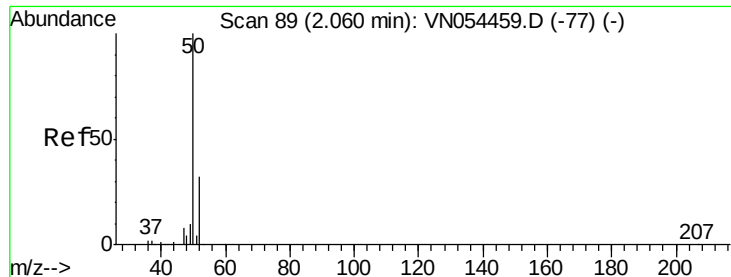
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.622 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

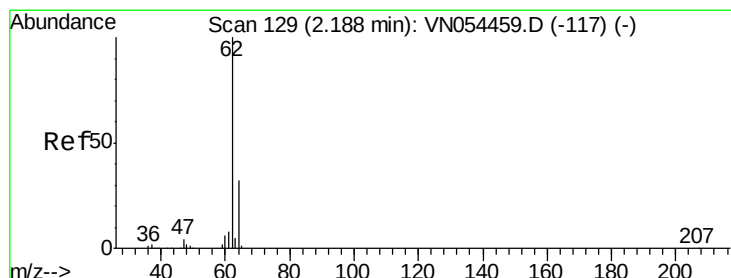
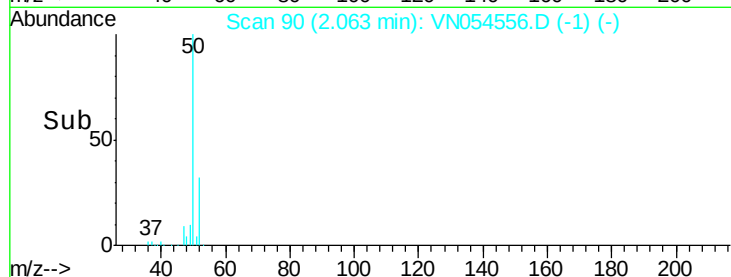
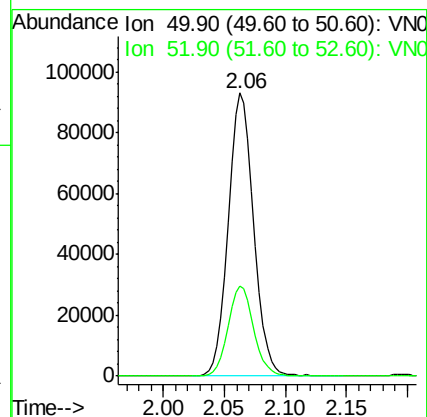
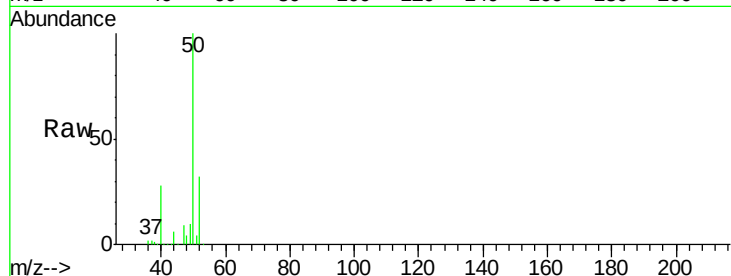
VN0322WBS01

Tot Ion: 50 Resp: 136489

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 21.478 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054556.D

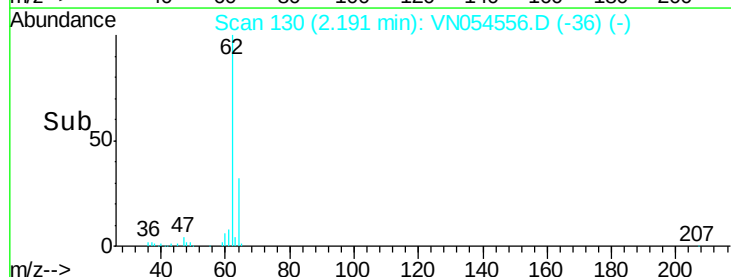
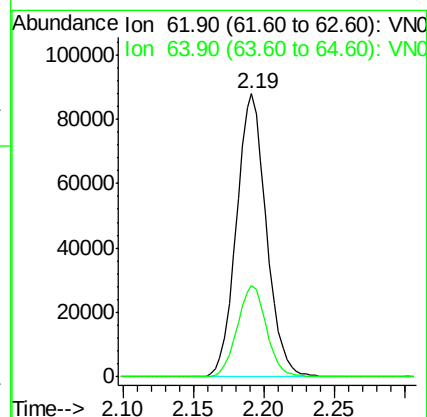
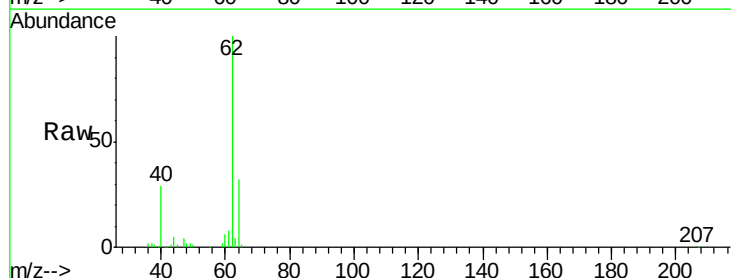
Acq: 22 Mar 2019 14:25

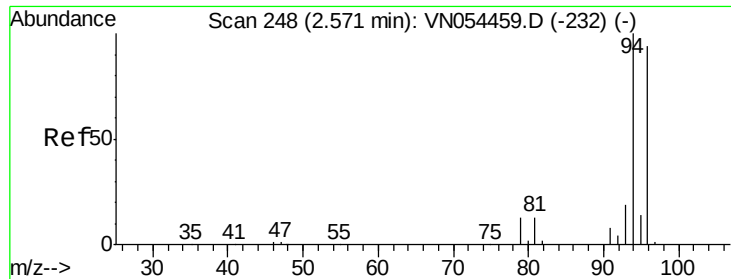
Tgt Ion: 62 Resp: 130109

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 19.102 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

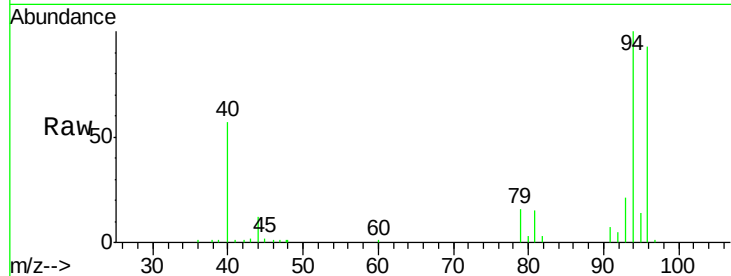
VN0322WBS01

Tot Ion: 94 Resp: 74824

Ion Ratio Lower Upper

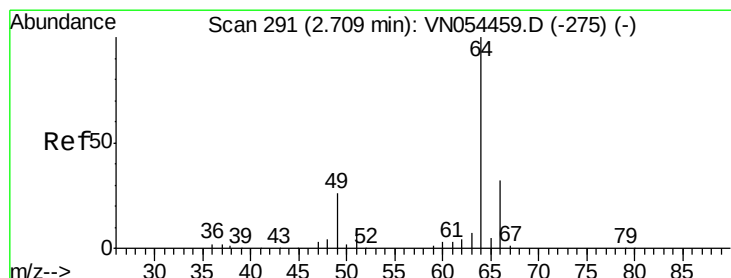
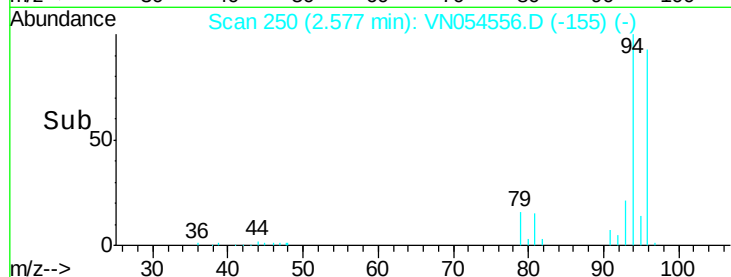
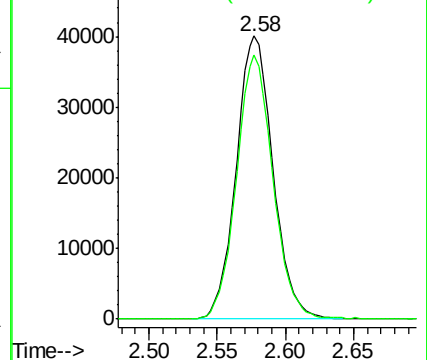
94 100

96 93.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.055 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054556.D

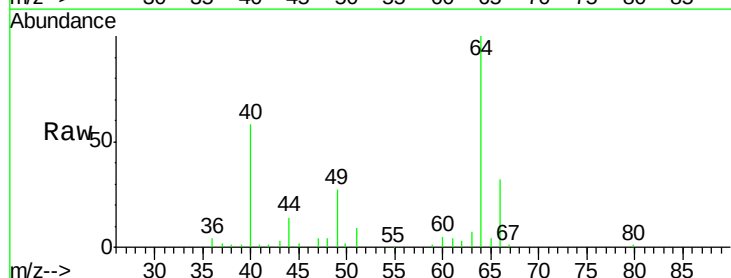
Acq: 22 Mar 2019 14:25

Tgt Ion: 64 Resp: 72868

Ion Ratio Lower Upper

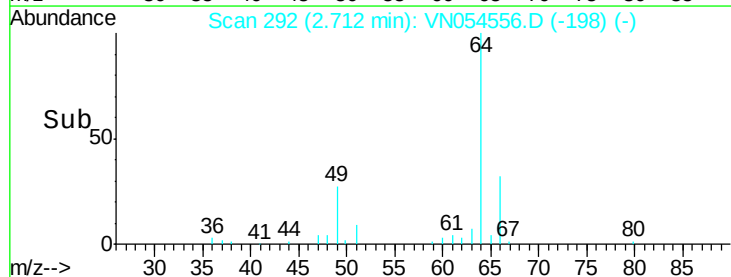
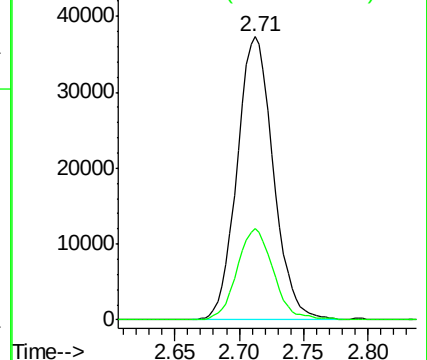
64 100

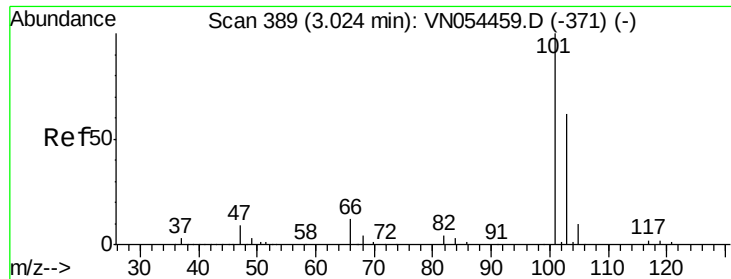
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



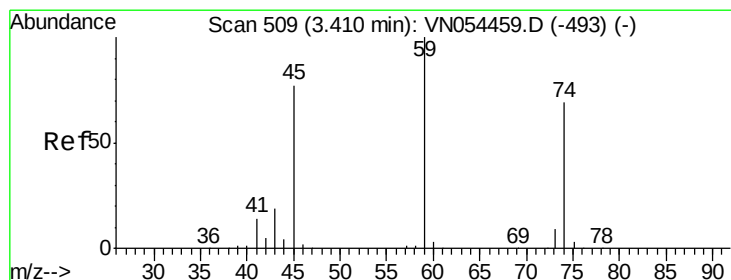
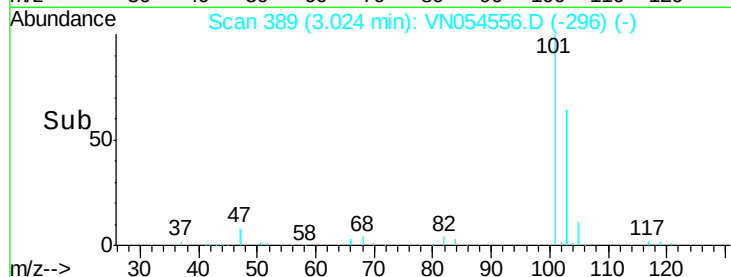
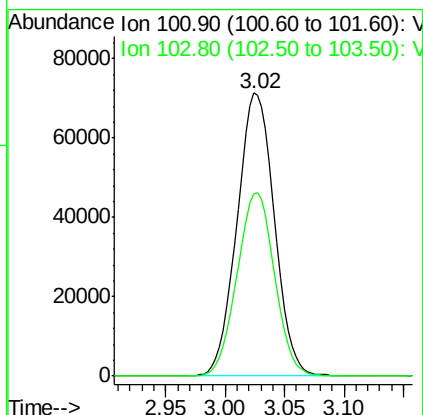
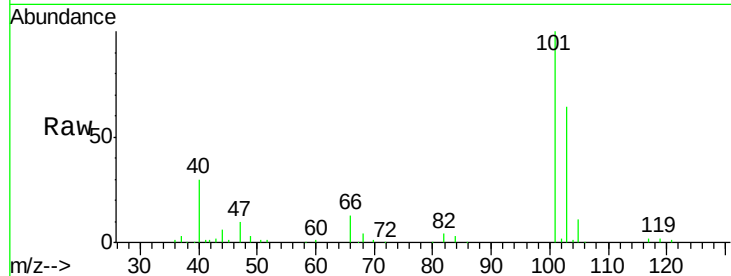


#7

Trichlorofluoromethane
Concen: 21.098 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBS01

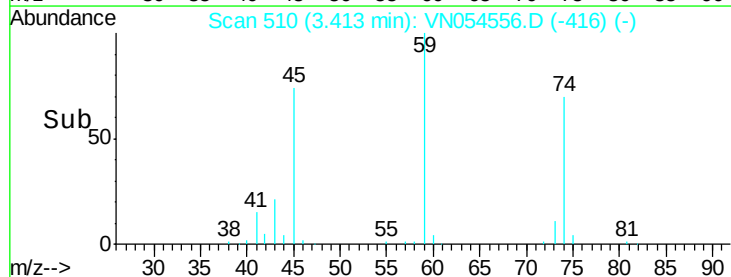
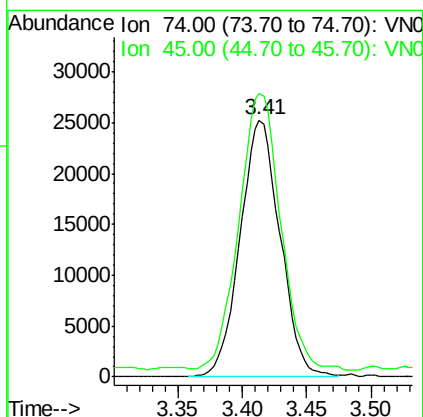
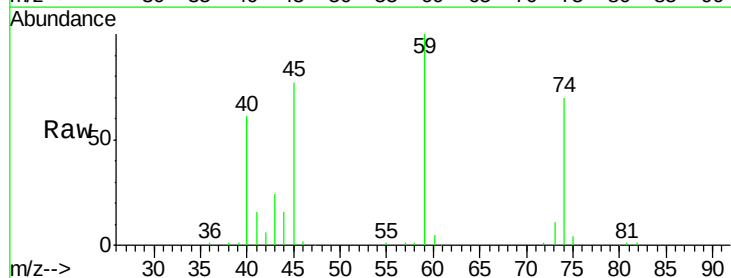
Tot Ion:101 Resp: 155210
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

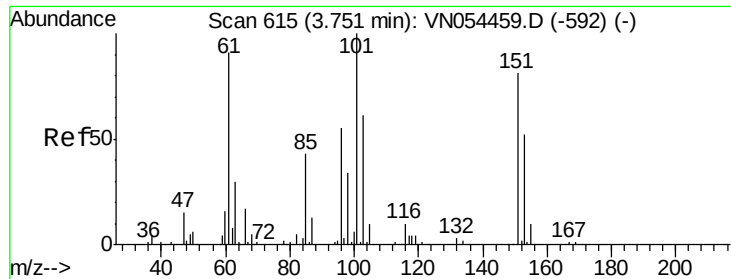


#8

Diethyl Ether
Concen: 19.251 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 74 Resp: 54465
Ion Ratio Lower Upper
74 100
45 111.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.123 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

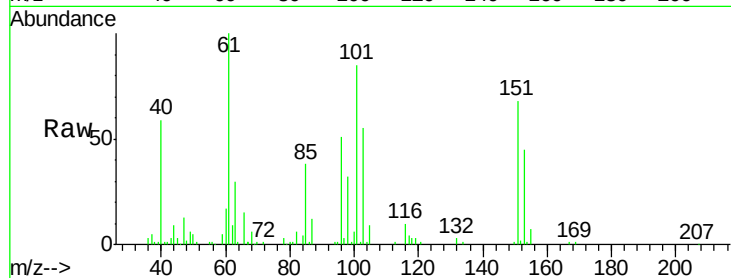
Tot Ion:101 Resp: 82679

Ion Ratio Lower Upper

101 100

85 44.9 32.4 48.6

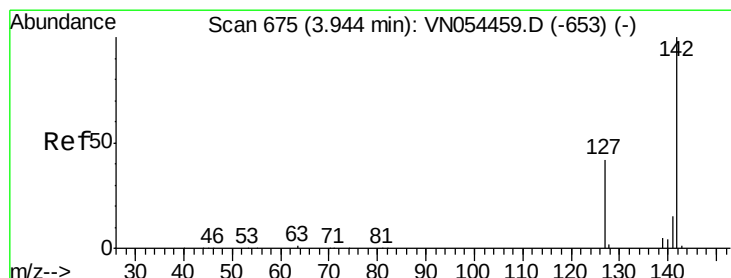
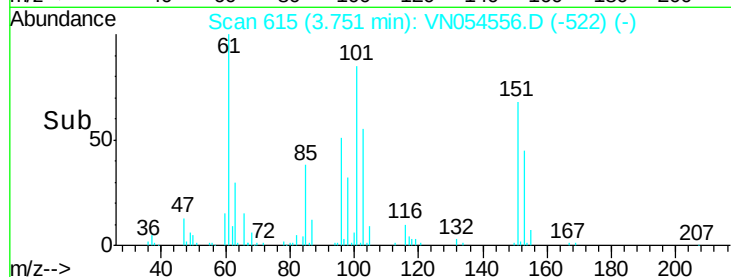
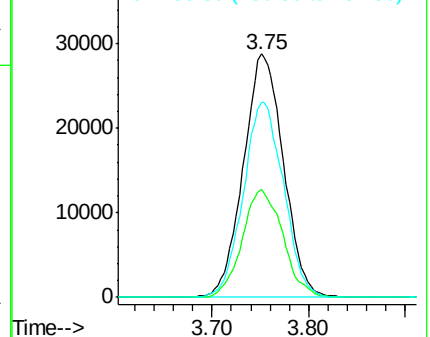
151 80.4 68.2 102.2



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: 18.267 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

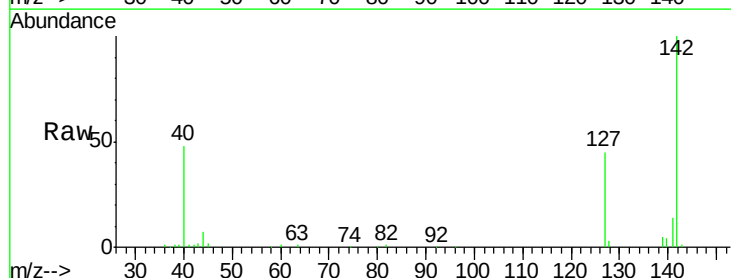
Tgt Ion:142 Resp: 116177

Ion Ratio Lower Upper

142 100

127 44.7 30.3 45.5

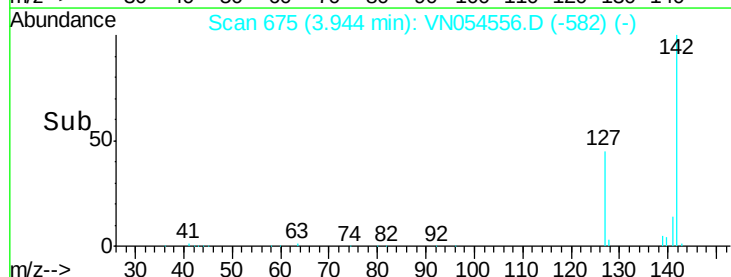
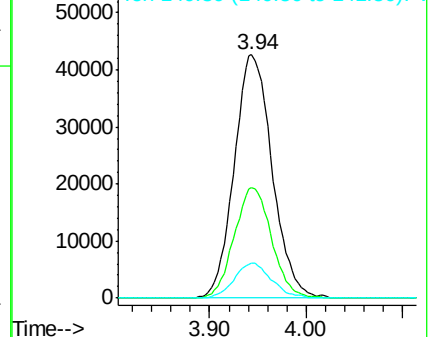
141 14.1 11.2 16.8

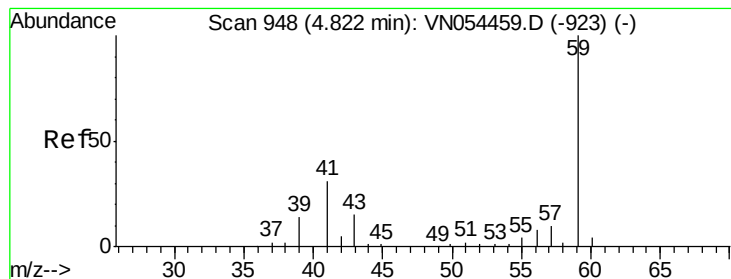


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



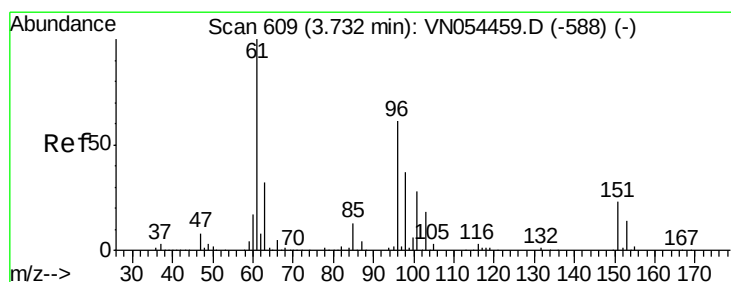
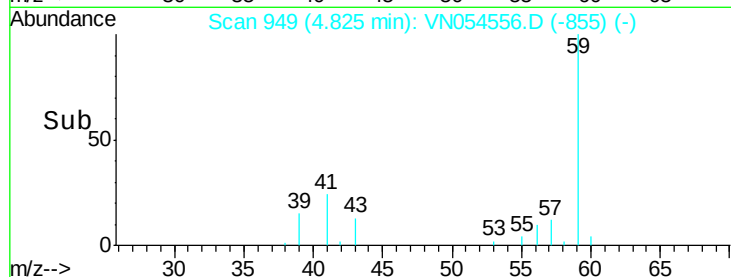
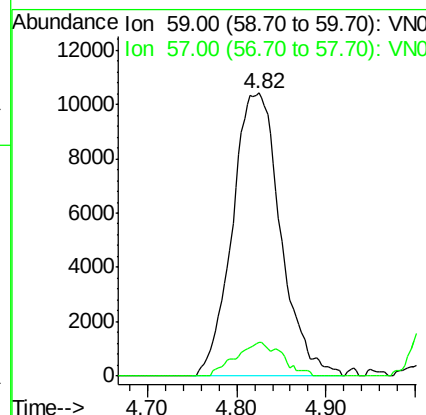
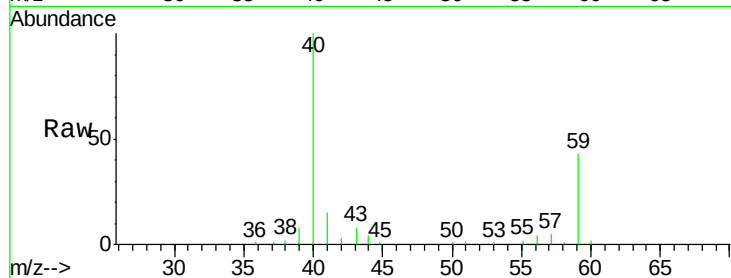


#11

Tert butyl alcohol
 Concen: 111.946 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBS01

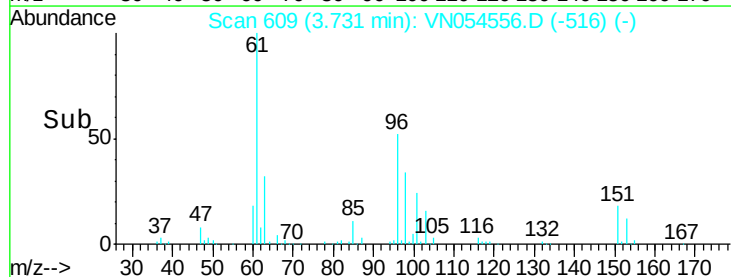
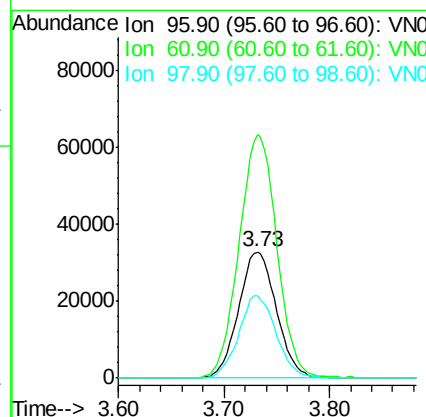
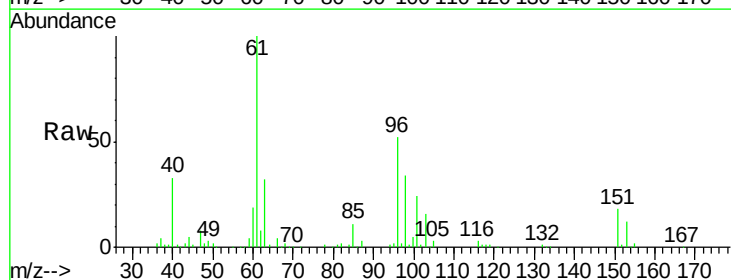
Tot Ion: 59 Resp: 39105
 Ion Ratio Lower Upper
 59 100
 57 8.2 9.0 13.6#

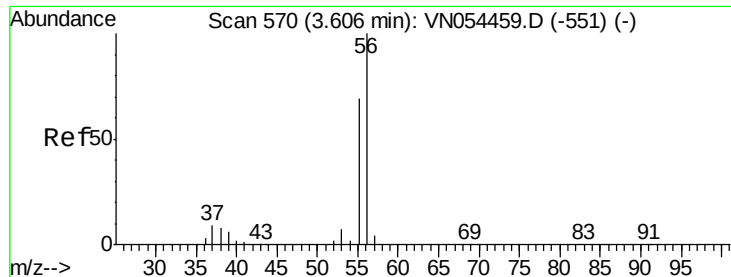


#12

1,1-Dichloroethene
 Concen: 18.330 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion: 96 Resp: 82013
 Ion Ratio Lower Upper
 96 100
 61 192.5 116.5 174.7#
 98 64.9 51.0 76.4





#13

Acrolein

Concen: 97.427 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

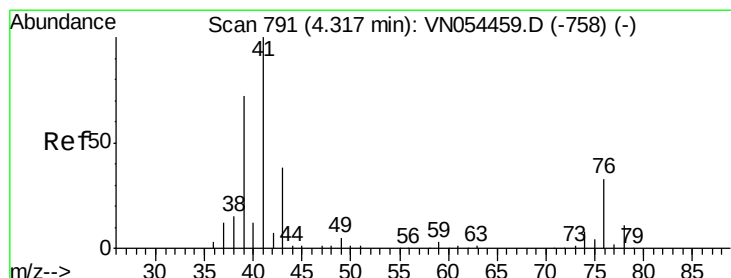
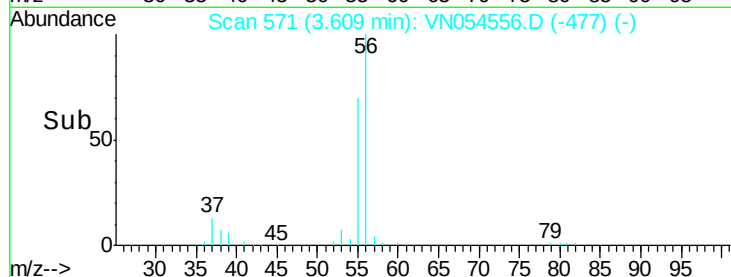
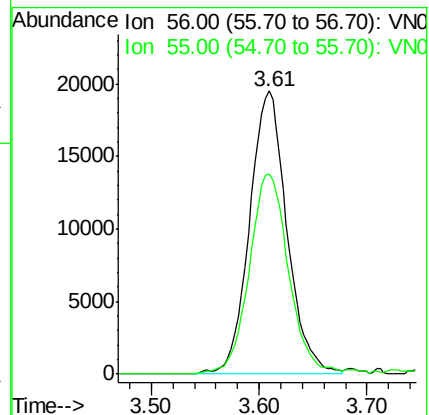
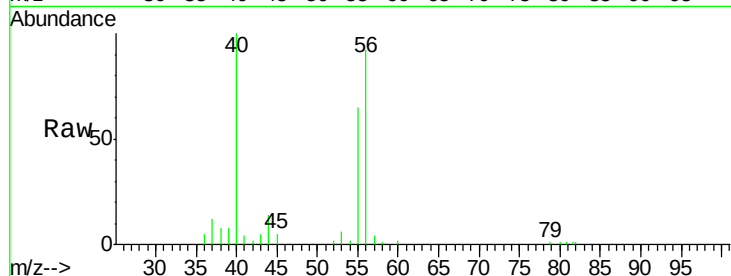
VN0322WBS01

Tot Ion: 56 Resp: 46966

Ion Ratio Lower Upper

56 100

55 74.2 56.7 85.1



#14

Allyl chloride

Concen: 21.981 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

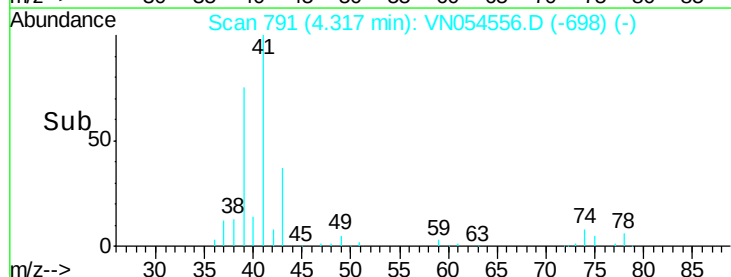
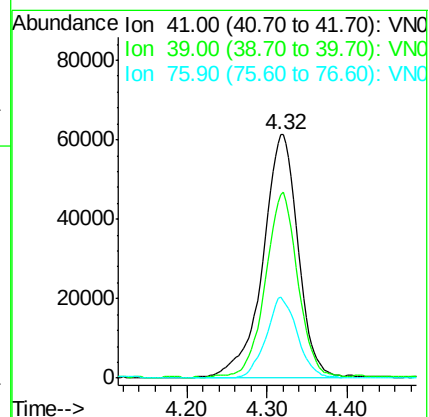
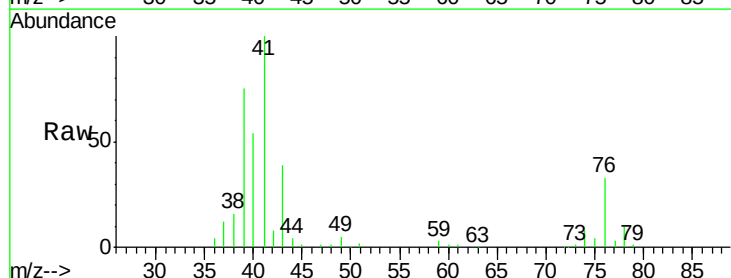
Tgt Ion: 41 Resp: 185193

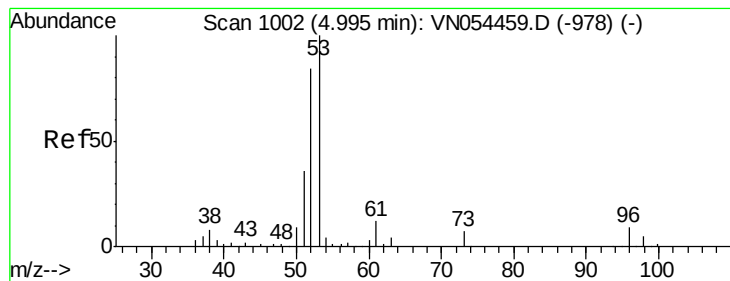
Ion Ratio Lower Upper

41 100

39 70.6 58.2 87.4

76 29.9 31.7 47.5#





#15

Acrylonitrile

Concen: 119.712 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

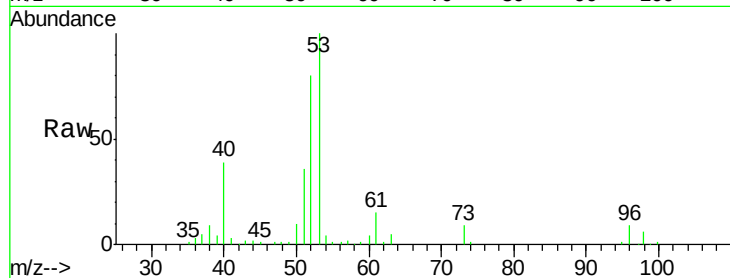
Tot Ion: 53 Resp: 208249

Ion Ratio Lower Upper

53 100

52 81.8 66.4 99.6

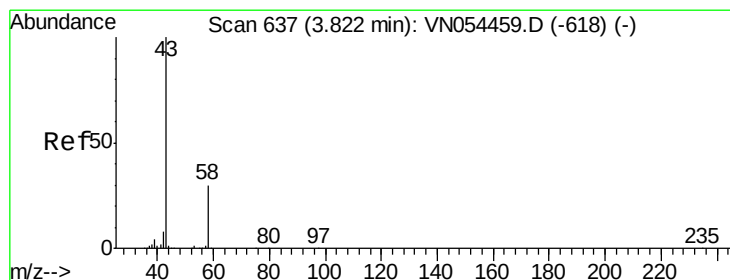
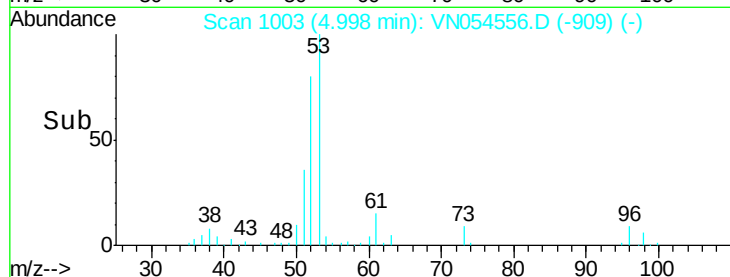
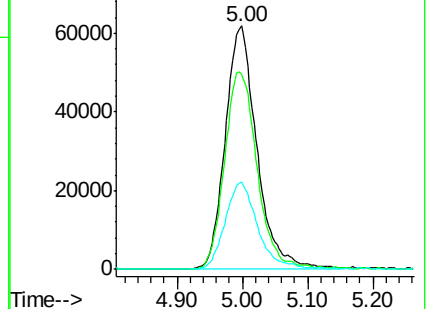
51 36.6 29.6 44.4



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: 89.458 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054556.D

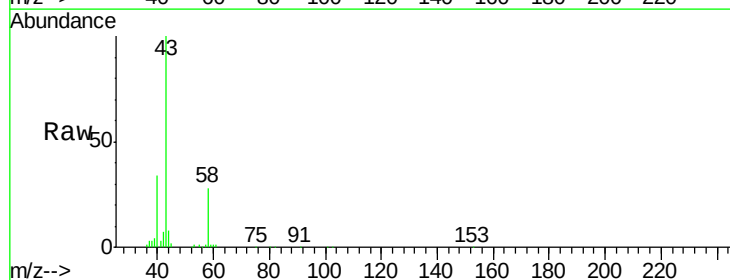
Acq: 22 Mar 2019 14:25

Tgt Ion: 43 Resp: 155184

Ion Ratio Lower Upper

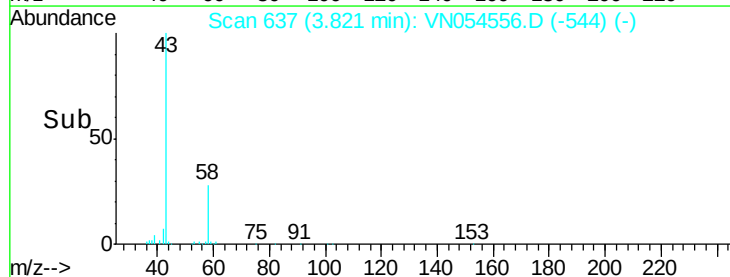
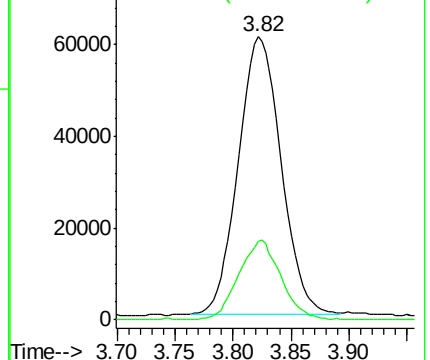
43 100

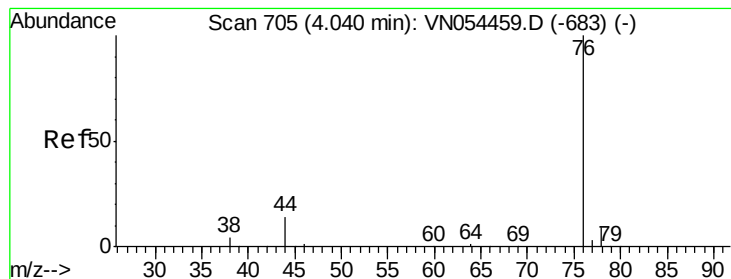
58 27.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.459 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

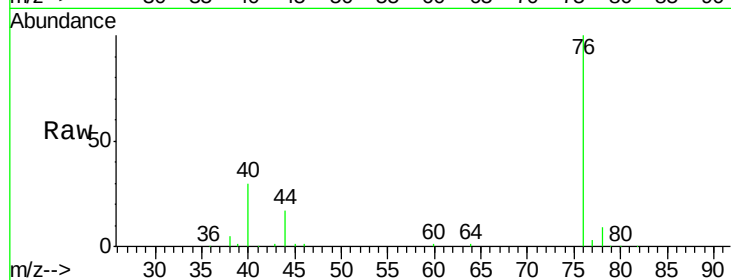
VN0322WBS01

Tot Ion: 76 Resp: 221288

Ion Ratio Lower Upper

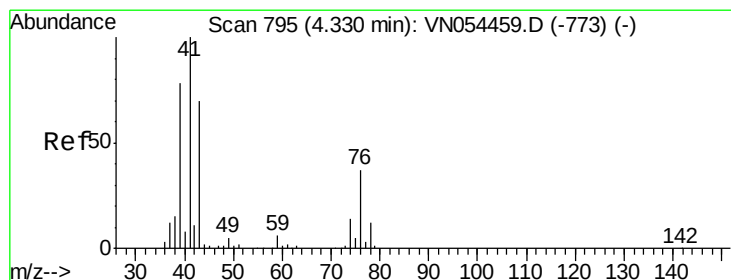
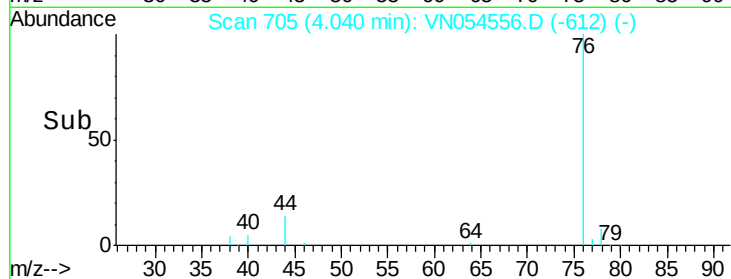
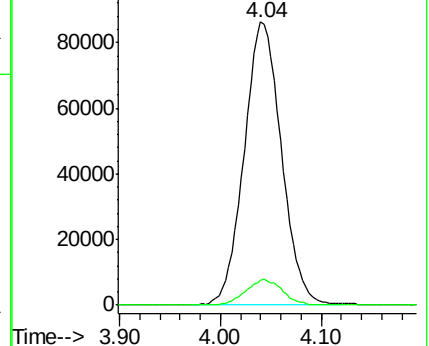
76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.158 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054556.D

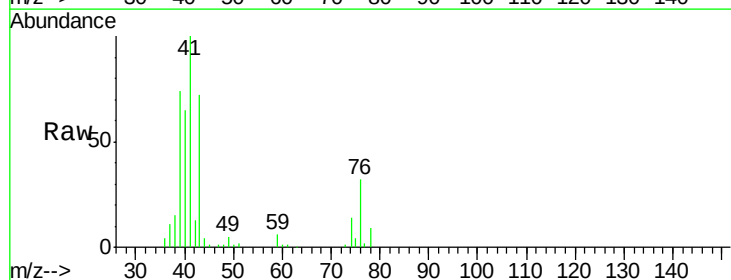
Acq: 22 Mar 2019 14:25

Tgt Ion: 43 Resp: 93408

Ion Ratio Lower Upper

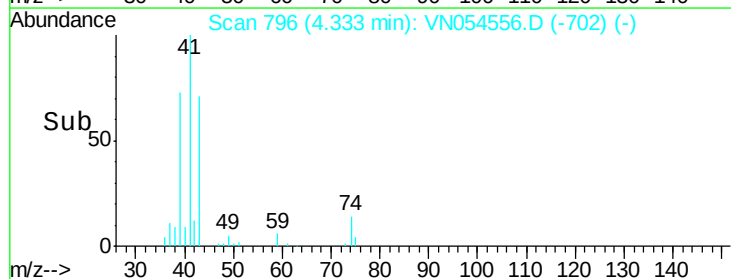
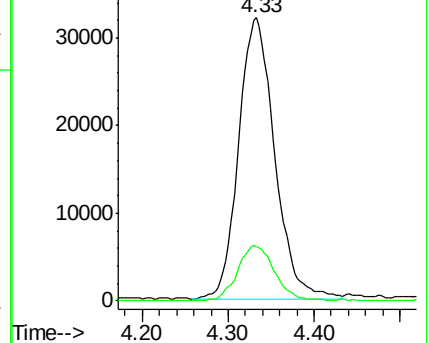
43 100

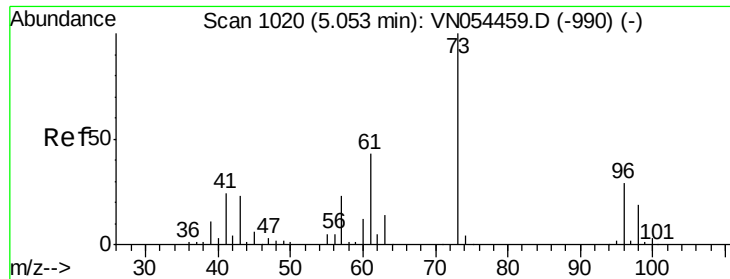
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

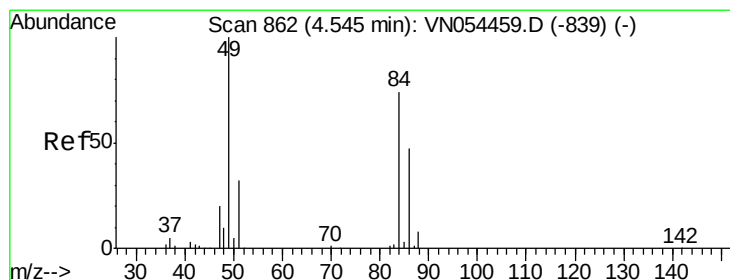
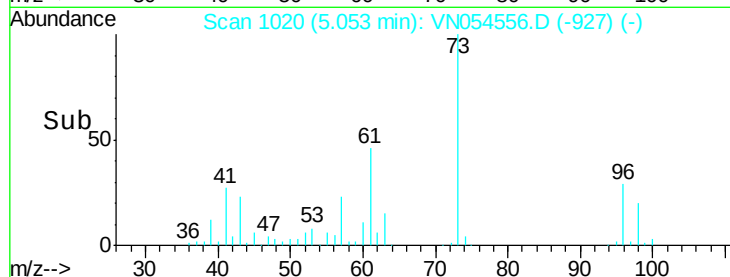
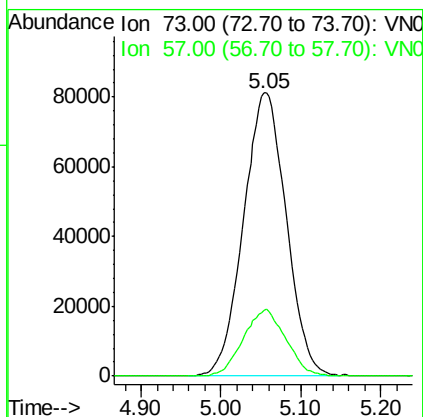
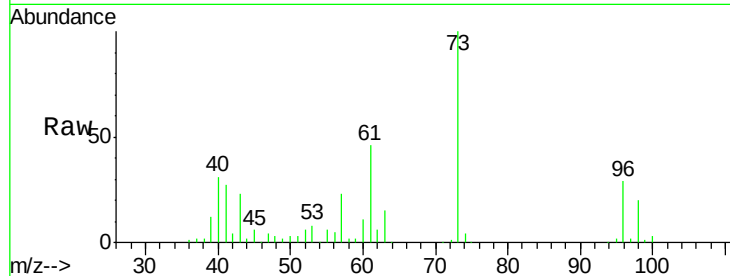




#19
Methyl tert-butyl Ether
Concen: 22.740 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

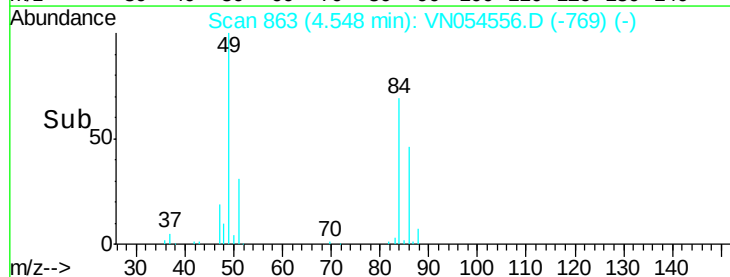
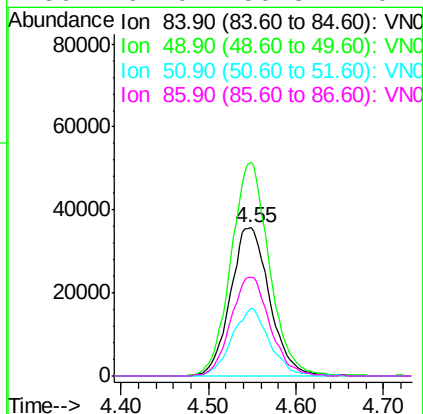
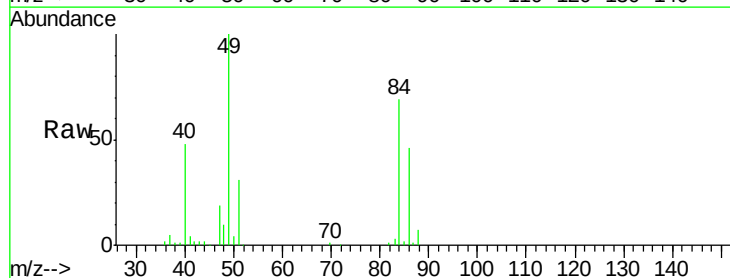
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBS01

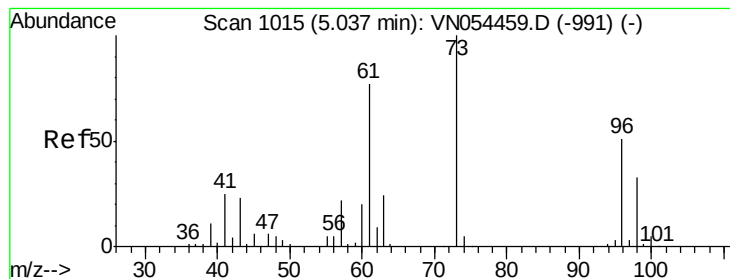
Tot Ion: 73 Resp: 296938
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#20
Methylene Chloride
Concen: 21.760 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 84 Resp: 111272
Ion Ratio Lower Upper
84 100
49 144.3 89.7 134.5#
51 45.4 28.2 42.4#
86 67.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.003 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

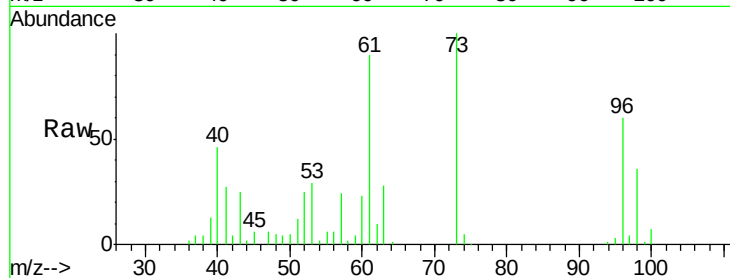
Tot Ion: 96 Resp: 100524

Ion Ratio Lower Upper

96 100

61 149.4 102.8 154.2

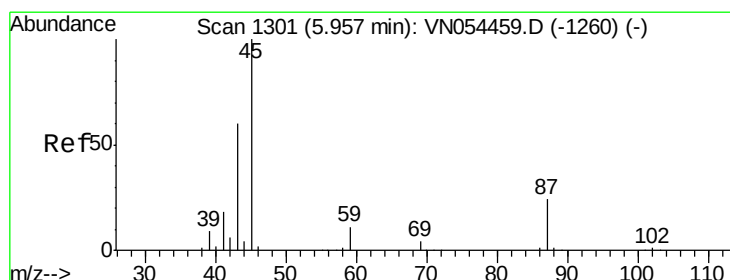
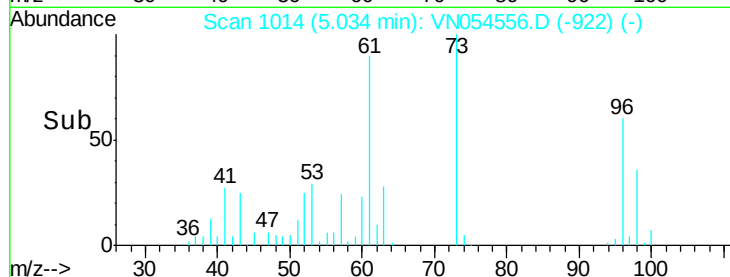
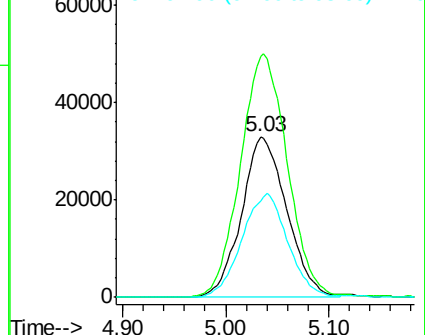
98 59.6 50.0 75.0



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: 23.792 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Tgt Ion: 45 Resp: 395384

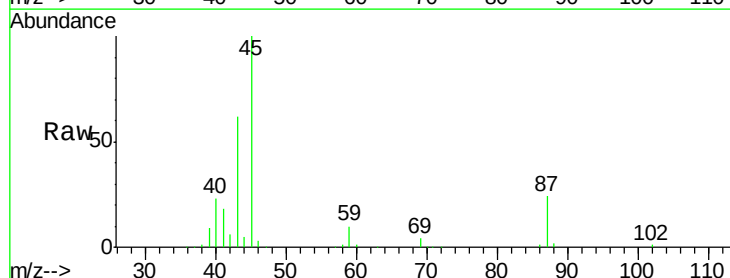
Ion Ratio Lower Upper

45 100

43 61.1 48.2 72.2

87 23.3 24.9 37.3#

59 10.0 9.5 14.3

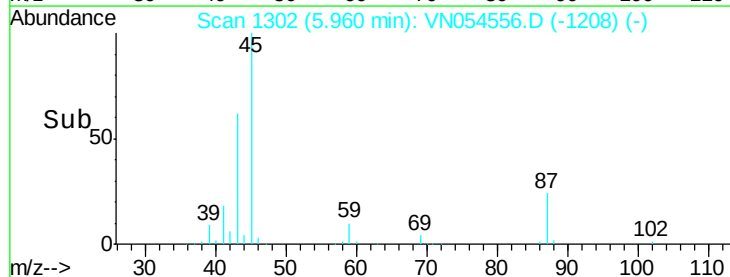
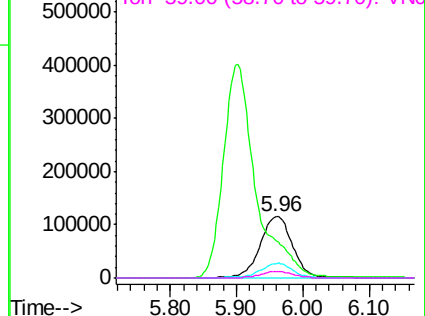


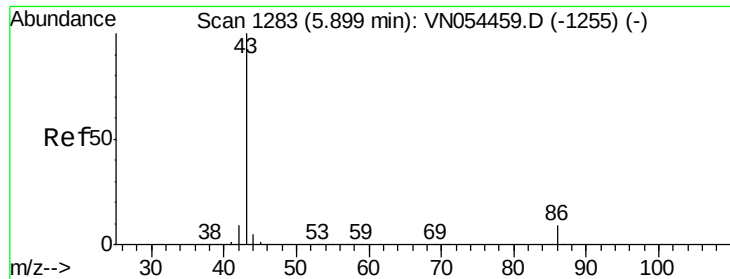
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 116.870 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

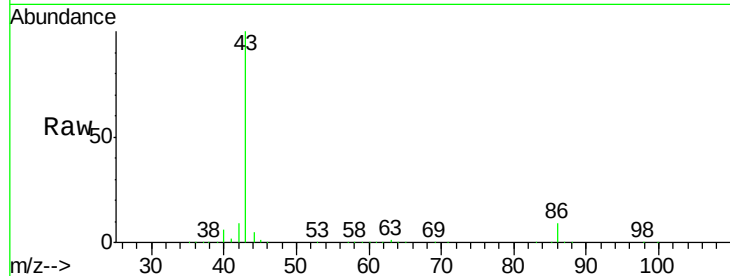
VN0322WBS01

Tot Ion: 43 Resp: 1371737

Ion Ratio Lower Upper

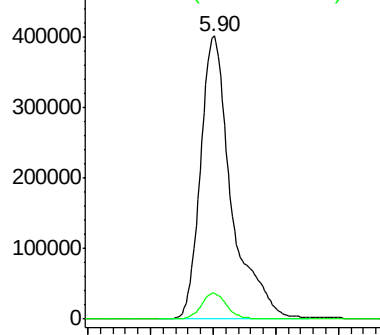
43 100

86 9.1 9.1 13.7#

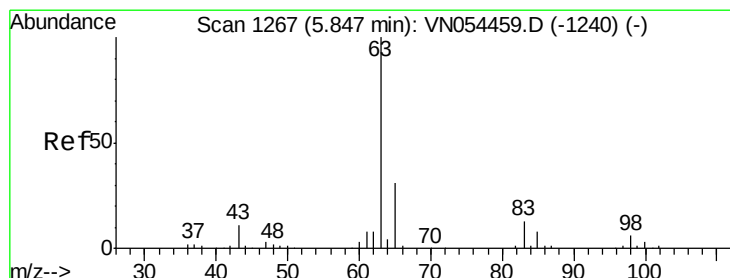
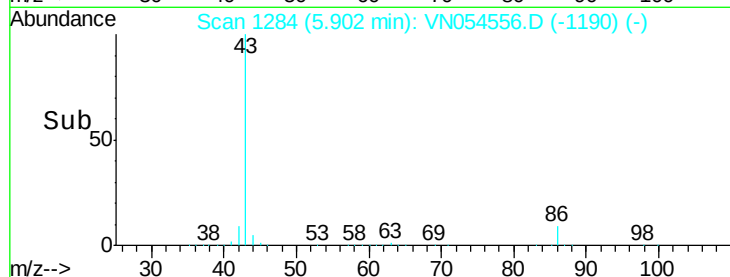


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 23.037 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

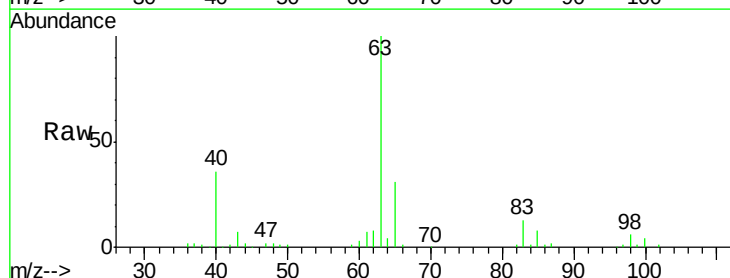
Tgt Ion: 63 Resp: 206140

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

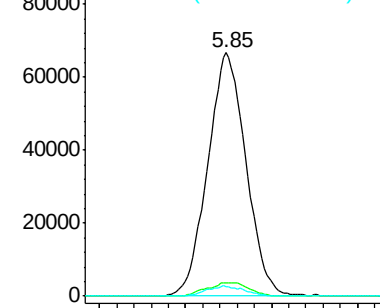
100 3.9 2.0 6.0



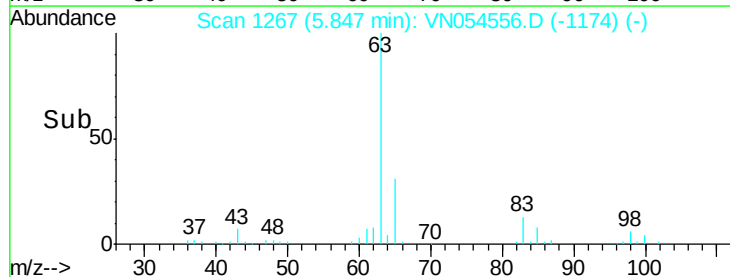
Abundance Ion 62.90 (62.60 to 63.60): VN0

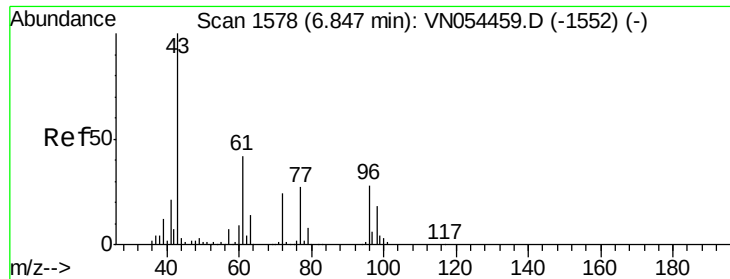
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 116.142 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

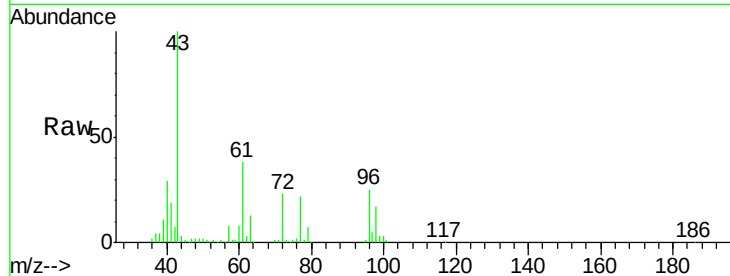
VN0322WBS01

Tot Ion: 43 Resp: 258085

Ion Ratio Lower Upper

43 100

72 23.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

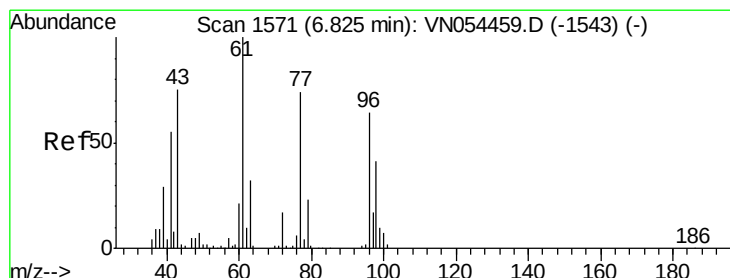
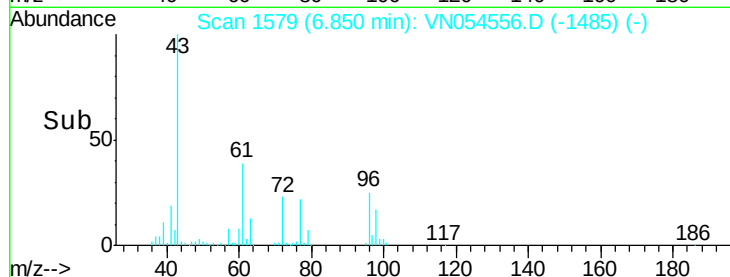
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 20.530 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054556.D

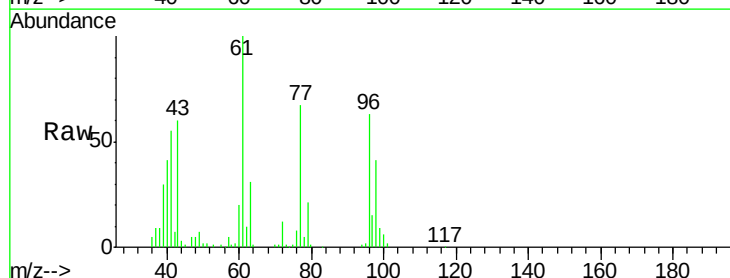
Acq: 22 Mar 2019 14:25

Tgt Ion: 77 Resp: 130952

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

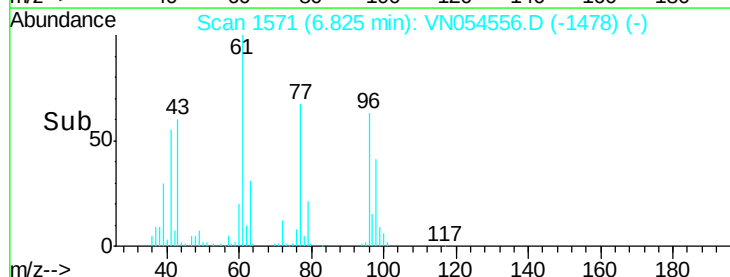
30000

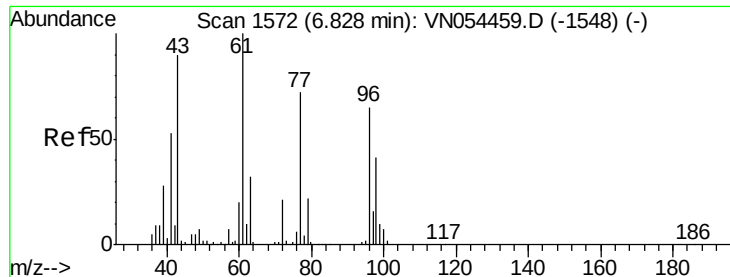
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 21.618 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

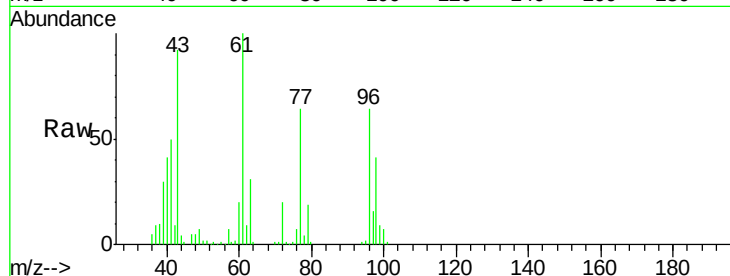
Tot Ion: 96 Resp: 117806

Ion Ratio Lower Upper

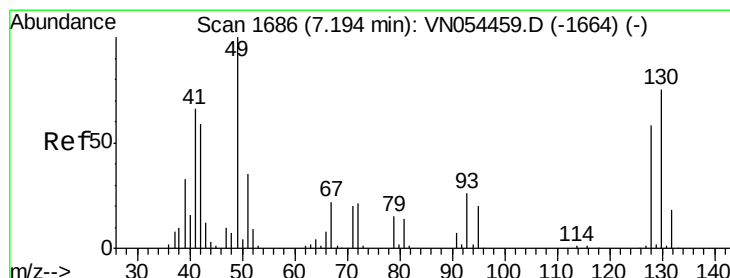
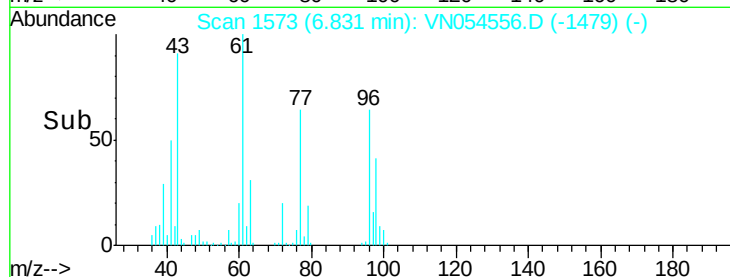
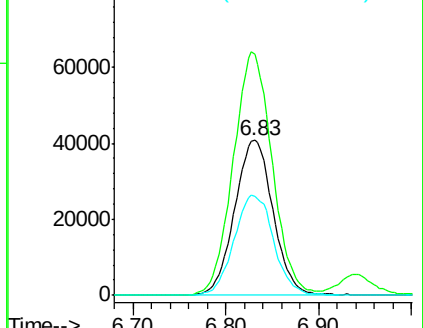
96 100

61 158.5 0.0 273.0

98 66.3 0.0 130.6



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: 22.047 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

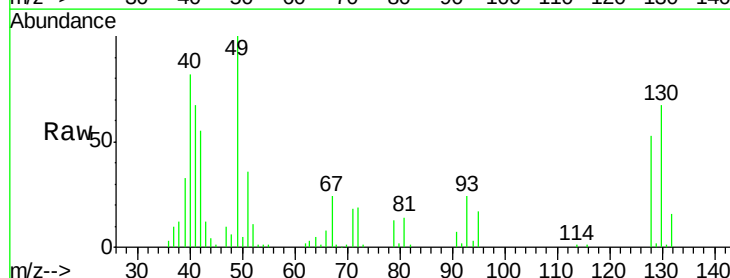
Tgt Ion: 49 Resp: 97103

Ion Ratio Lower Upper

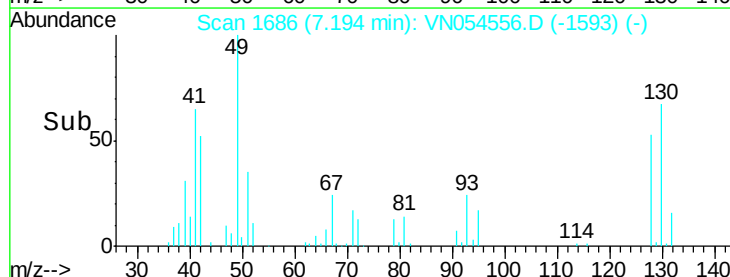
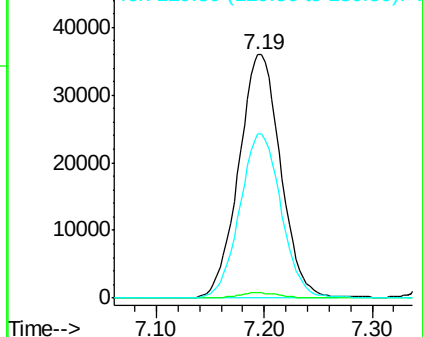
49 100

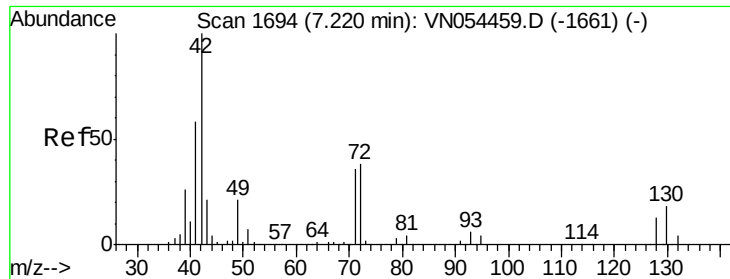
129 2.1 0.0 4.6

130 66.7 76.7 115.1#



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: 123.100 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

VN0322WBS01

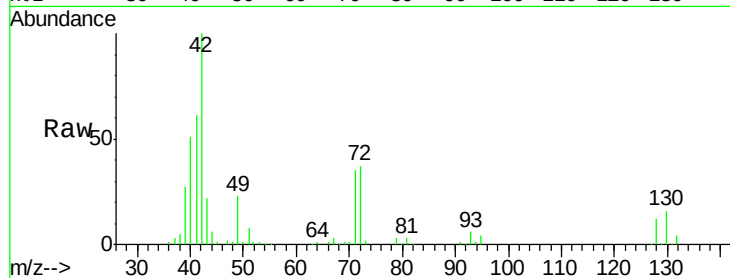
Tot Ion: 42 Resp: 177515

Ion Ratio Lower Upper

42 100

72 37.0 37.8 56.6#

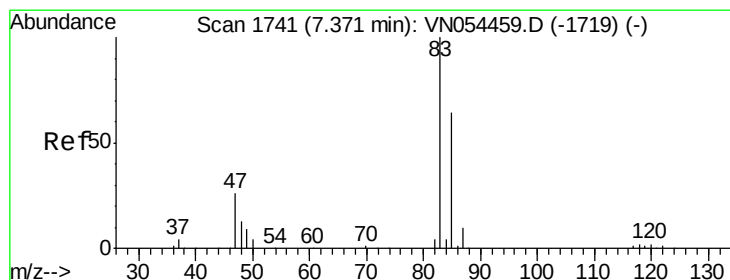
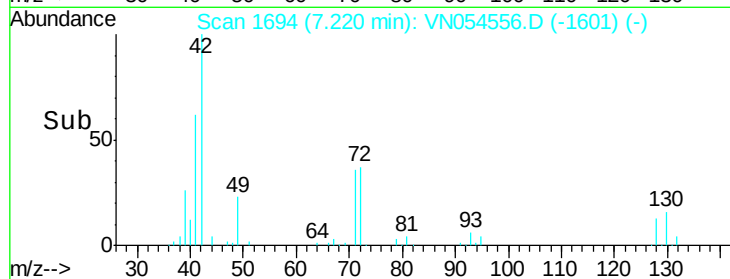
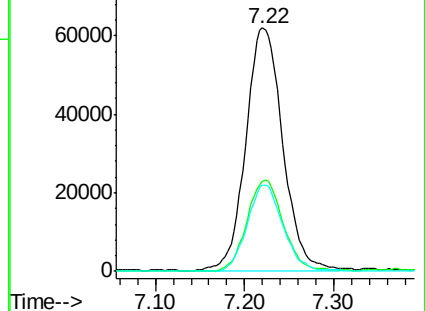
71 34.3 36.2 54.2#



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: 22.836 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054556.D

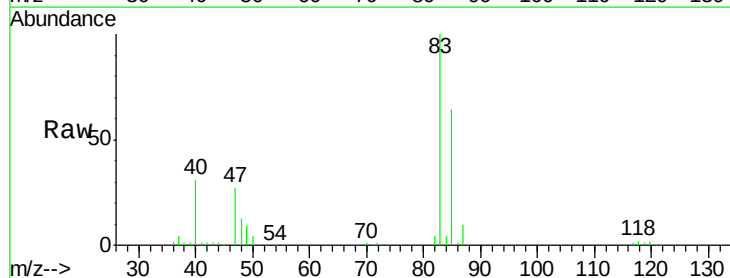
Acq: 22 Mar 2019 14:25

Tgt Ion: 83 Resp: 199412

Ion Ratio Lower Upper

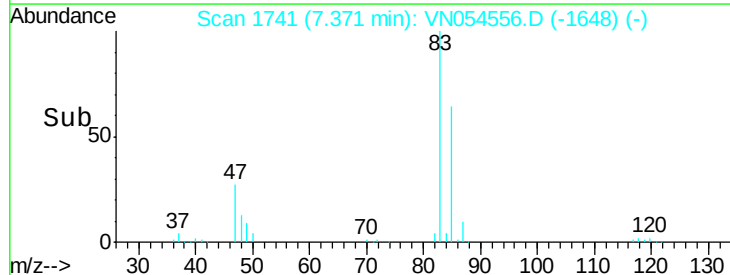
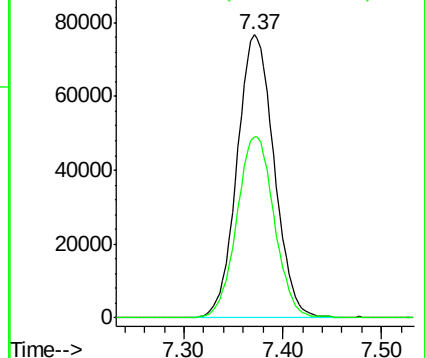
83 100

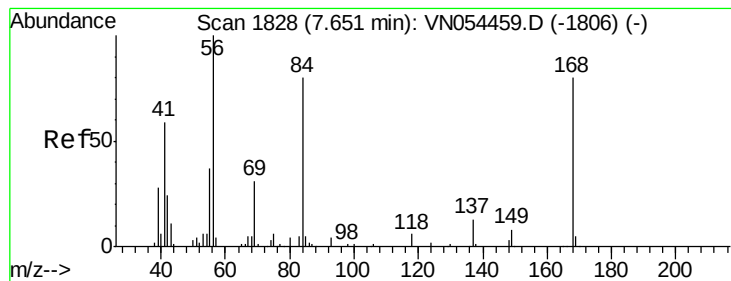
85 64.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 22.090 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

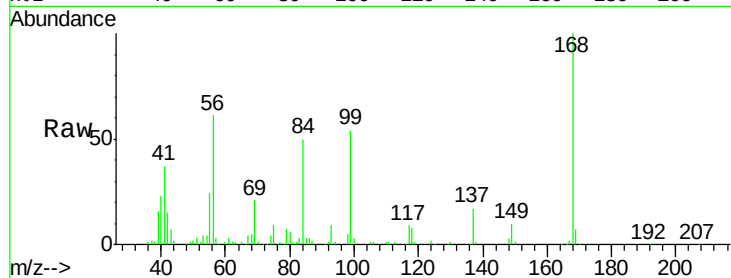
Tot Ion: 56 Resp: 198291

Ion Ratio Lower Upper

56 100

69 35.1 27.8 41.6

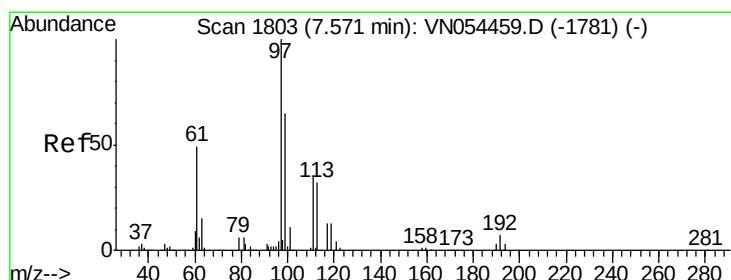
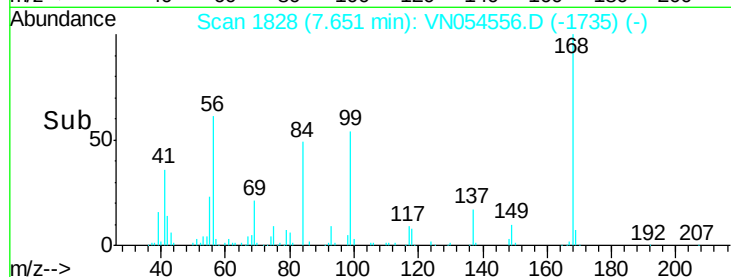
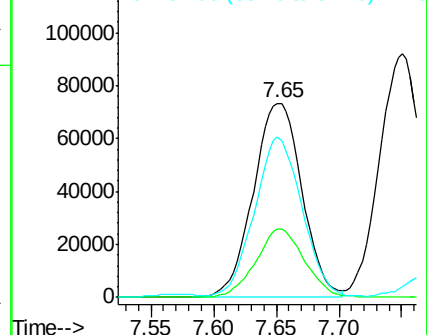
84 81.4 74.6 111.8



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: 22.283 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

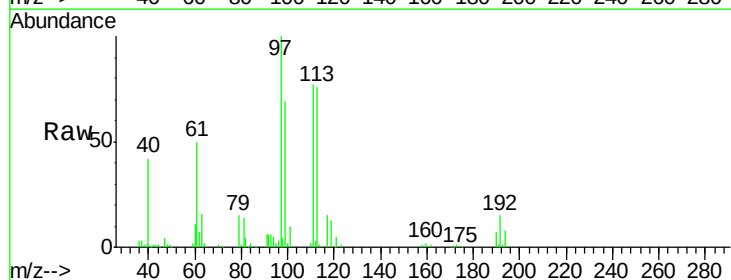
Tgt Ion: 97 Resp: 160533

Ion Ratio Lower Upper

97 100

99 65.7 51.5 77.3

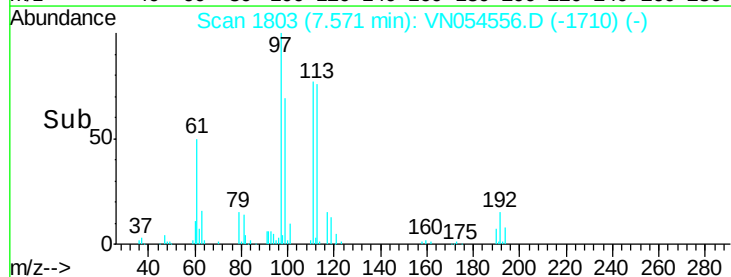
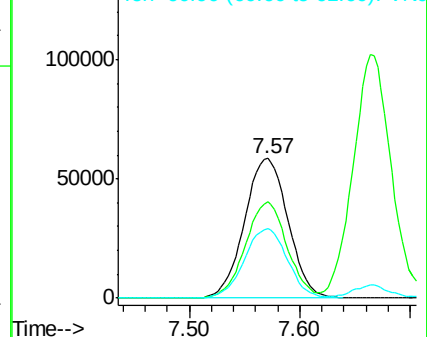
61 49.1 33.6 50.4

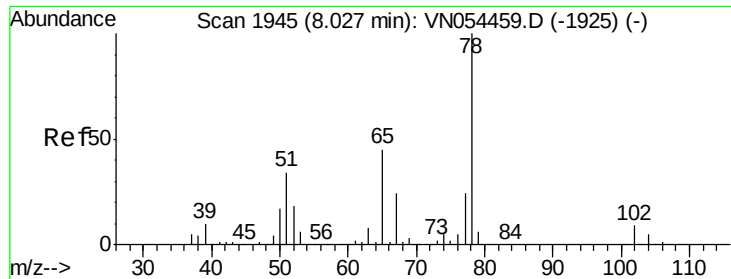


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

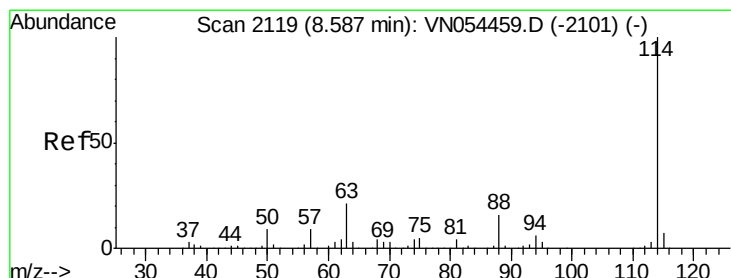
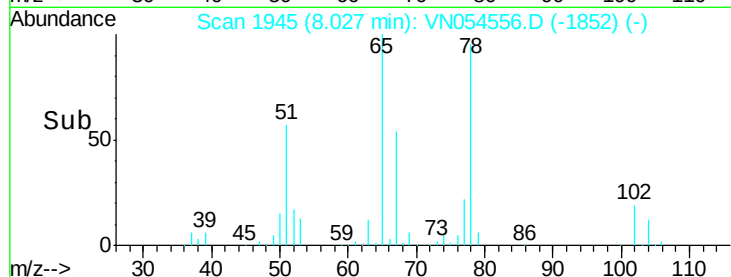
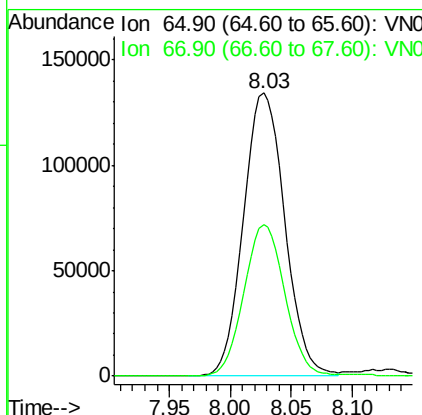
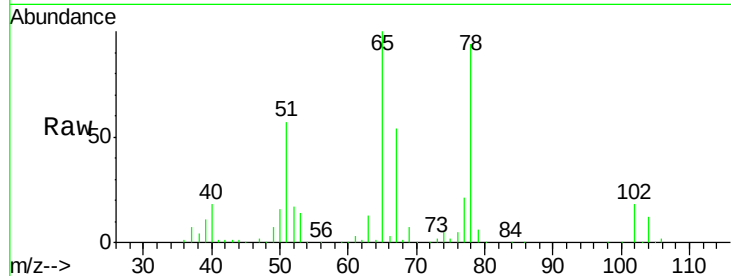




#33
 1,2-Dichloroethane-d4
 Concen: 54.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

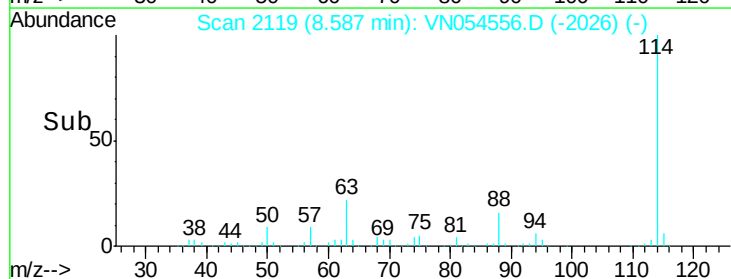
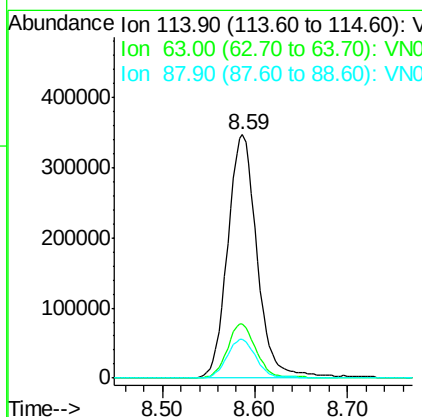
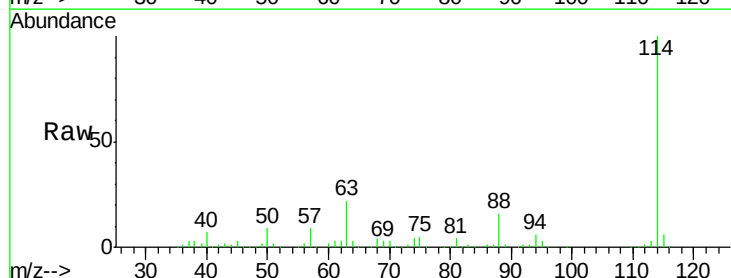
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

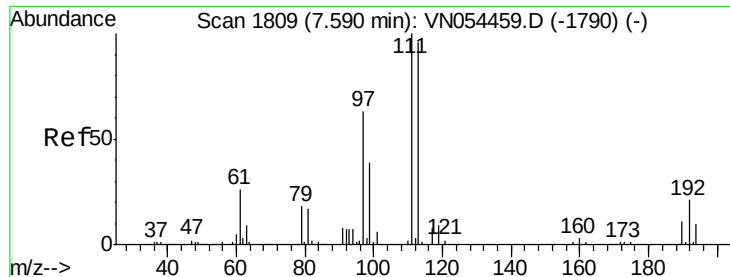
Tot Ion: 65 Resp: 315603
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion: 114 Resp: 765464
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 15.8 0.0 30.2

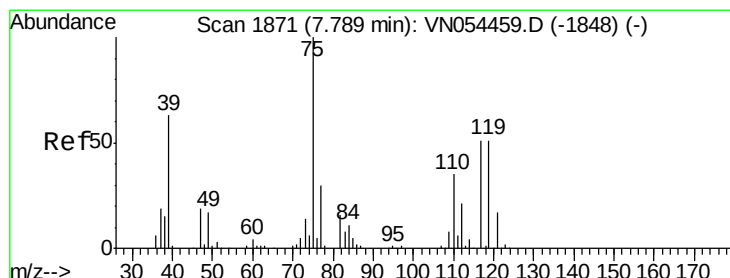
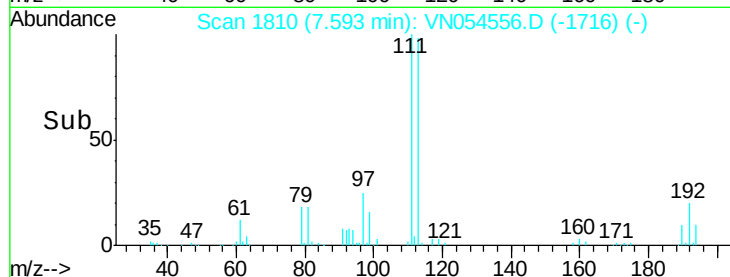
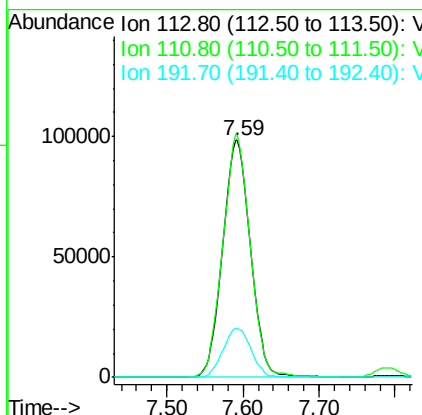
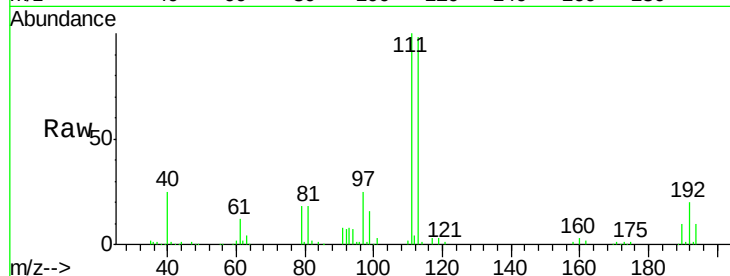




#35
 Dibromofluoromethane
 Concen: 50.874 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

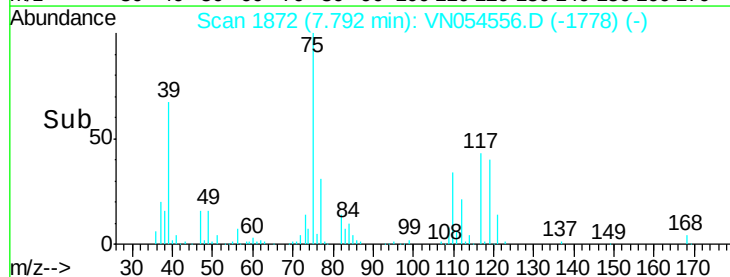
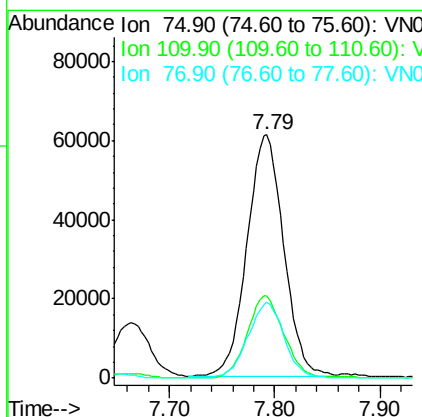
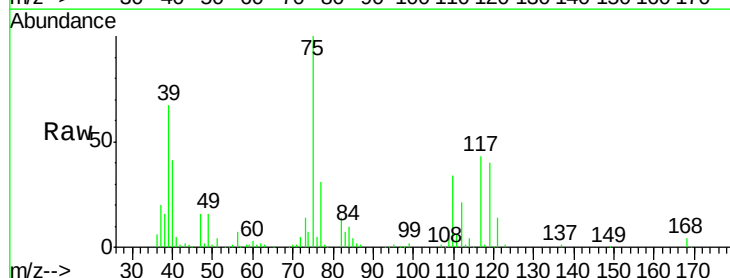
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

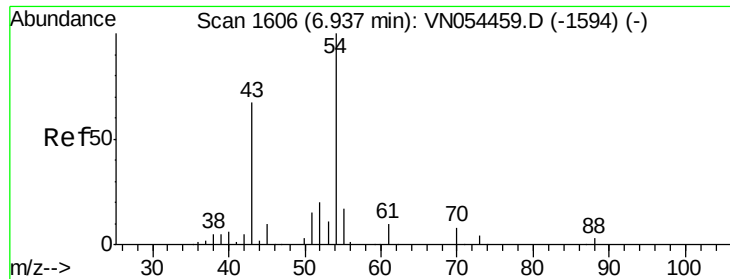
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	20.8	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.703 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.5
77	31.1	25.0	37.4

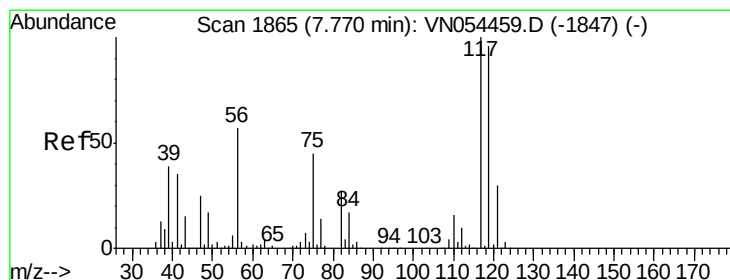
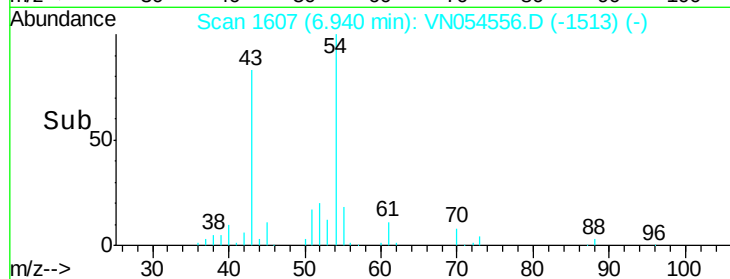
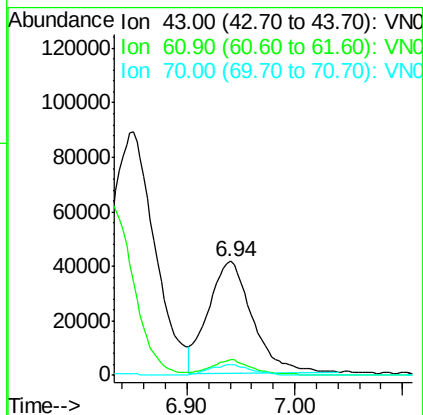
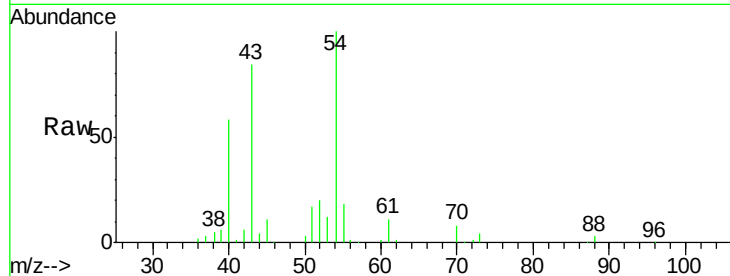




#37
Ethyl Acetate
Concen: 22.832 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

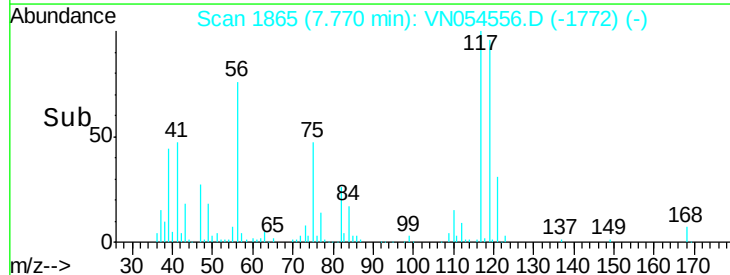
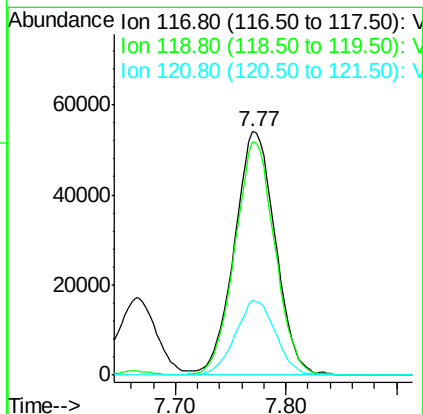
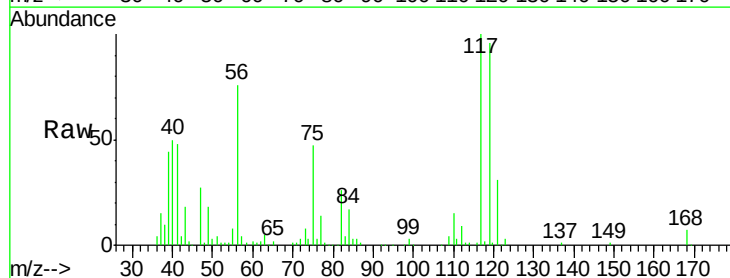
Instrument :
MSVOA_N
ClientSampled :
VN0322WBS01

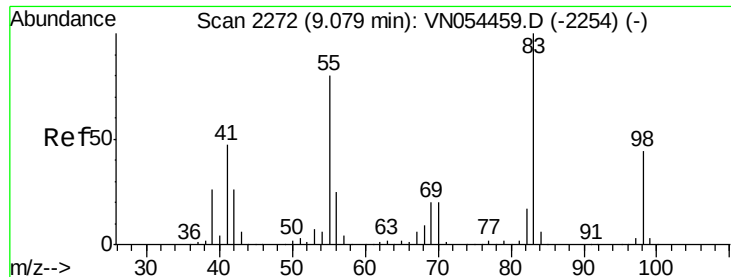
Tot Ion: 43 Resp: 116223
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 9.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.867 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 117 Resp: 138178
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 30.8 24.6 36.8

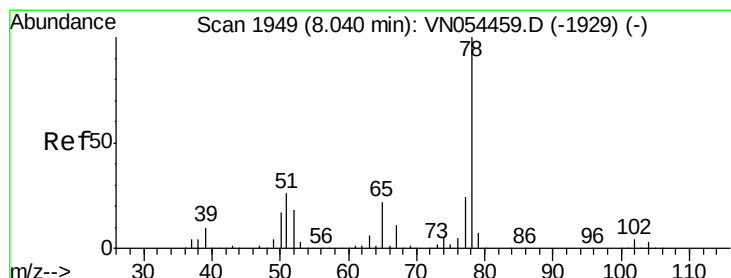
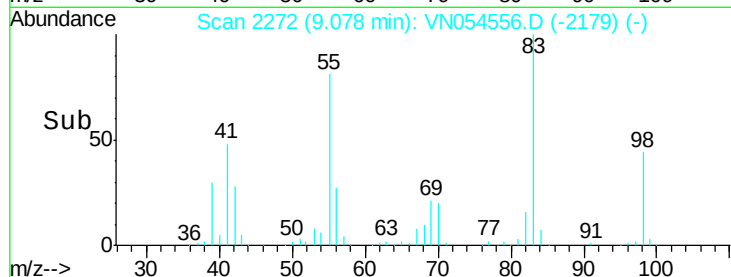
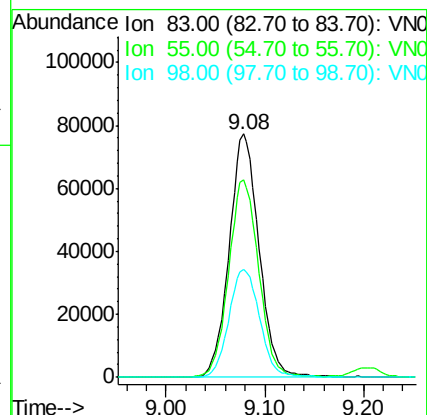
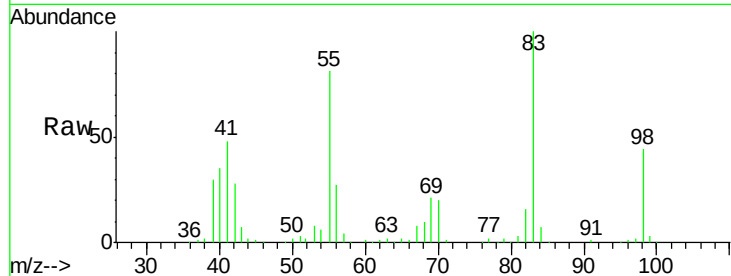




#39
Methylvlcyclohexane
Concen: 19.971 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

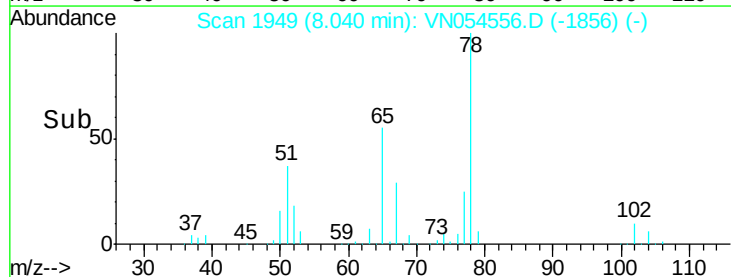
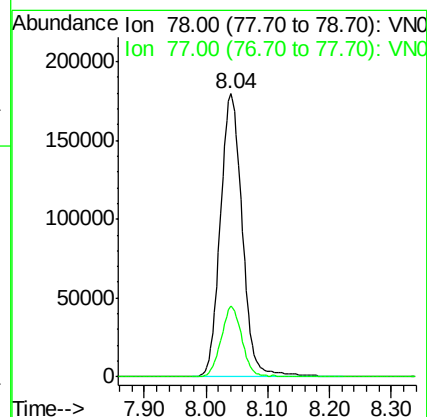
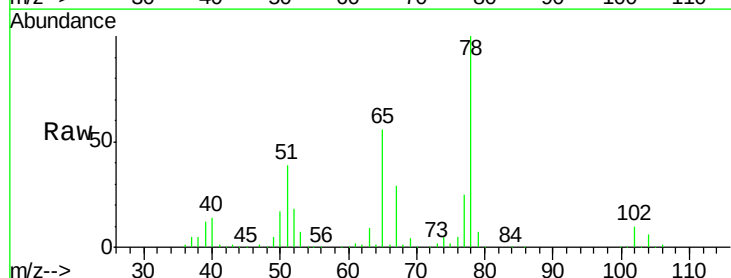
Instrument :
MSVOA_N
ClientSampled :
VN0322WBS01

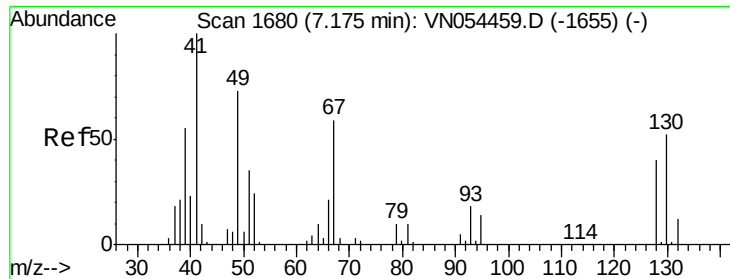
Tot Ion: 83 Resp: 163506
Ion Ratio Lower Upper
83 100
55 80.8 56.6 84.8
98 44.2 38.4 57.6



#40
Benzene
Concen: 21.700 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 78 Resp: 444119
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7

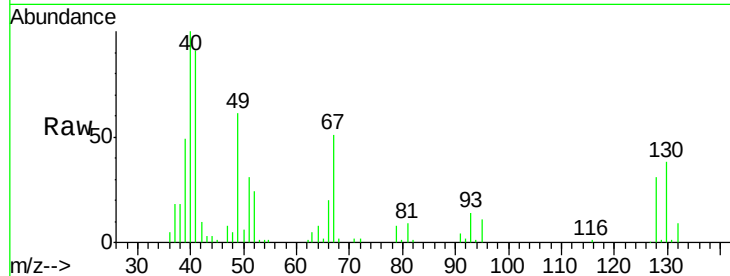




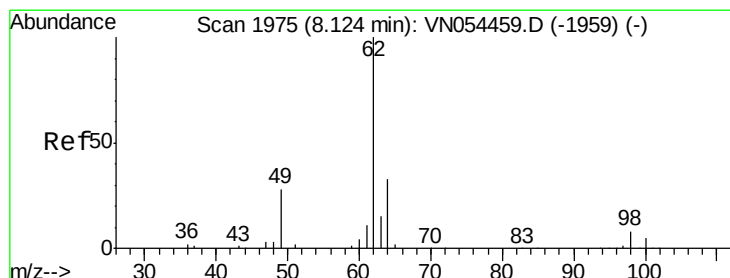
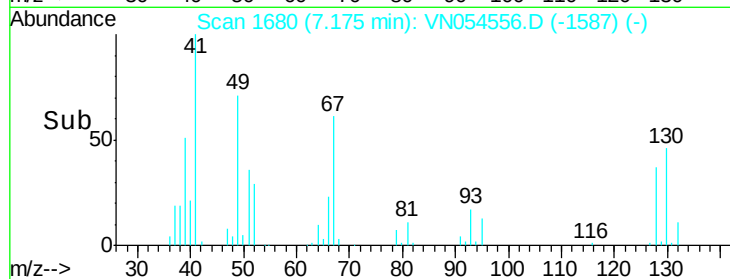
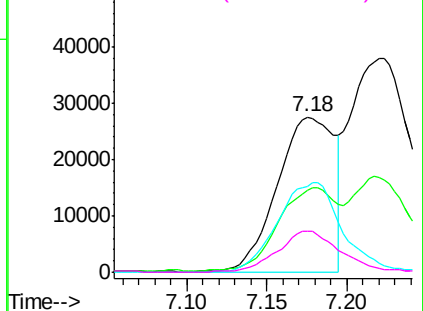
#41
Methacrylonitrile
Concen: 22.216 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBS01

Tot Ion: 41 Resp: 68968
Ion Ratio Lower Upper
41 100
39 54.8 46.8 70.2
67 65.4 67.0 100.4#
52 29.7 26.5 39.7

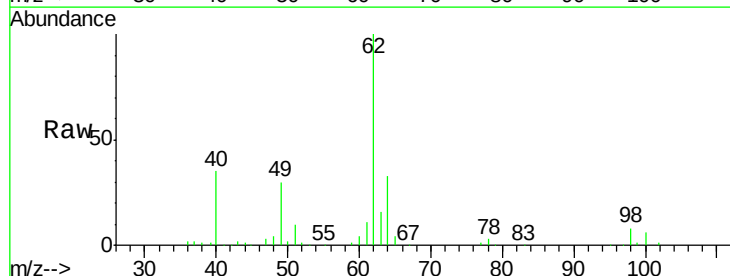


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

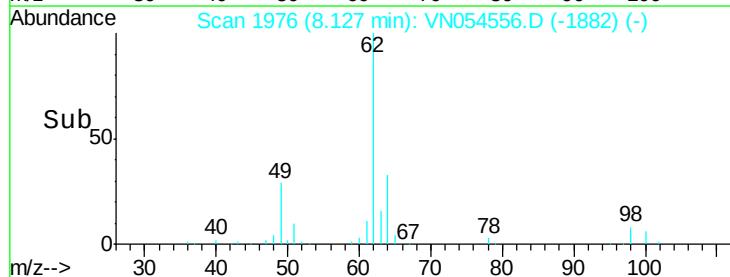
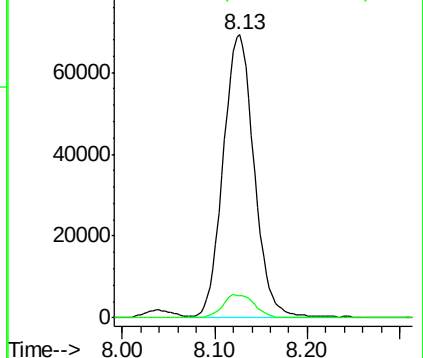


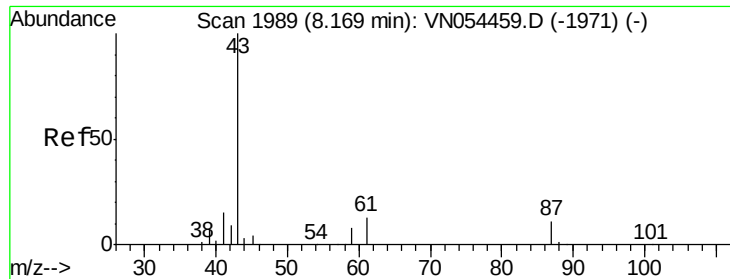
#42
1,2-Dichloroethane
Concen: 21.385 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 62 Resp: 159393
Ion Ratio Lower Upper
62 100
98 8.5 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 22.295 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

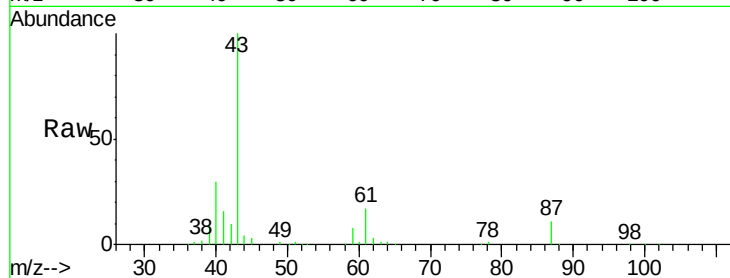
Tot Ion: 43 Resp: 191669

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

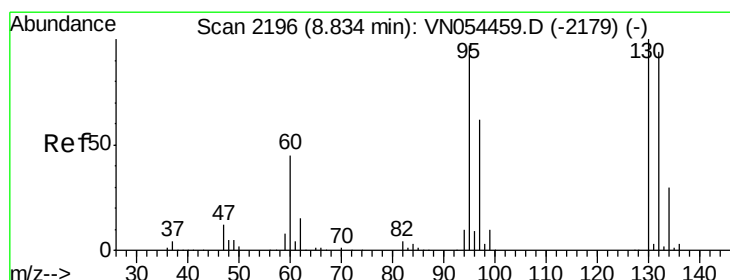
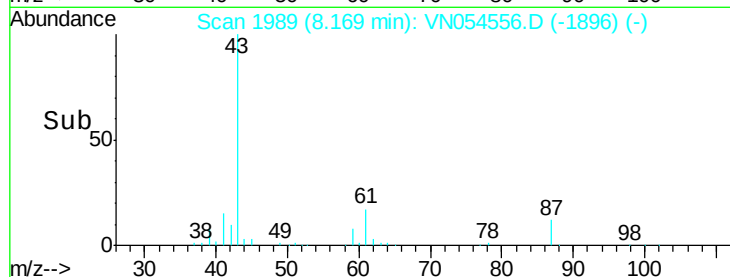
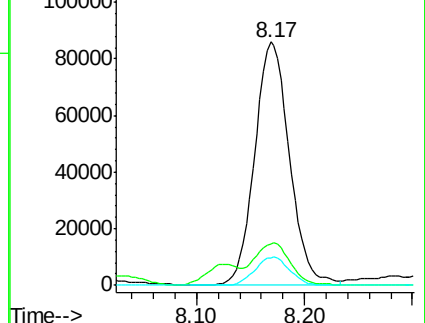
87 11.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 20.178 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054556.D

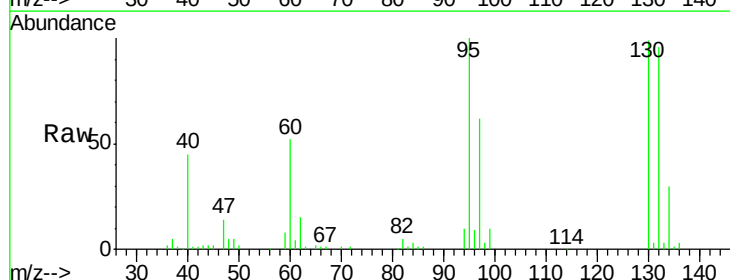
Acq: 22 Mar 2019 14:25

Tgt Ion:130 Resp: 114813

Ion Ratio Lower Upper

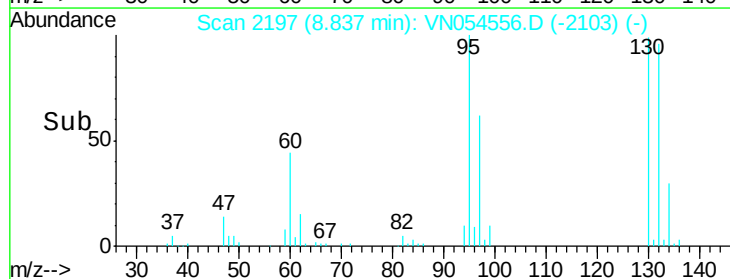
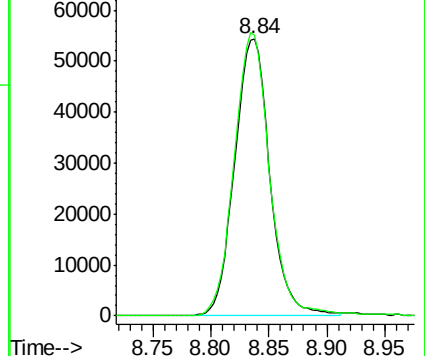
130 100

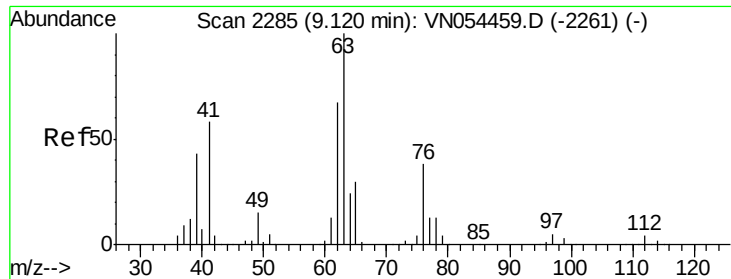
95 101.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

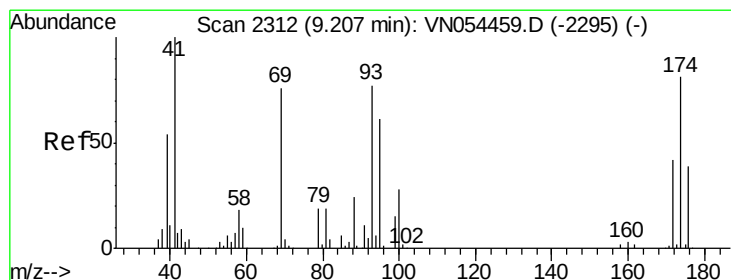
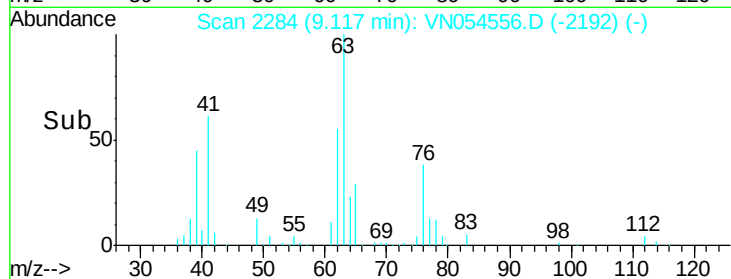
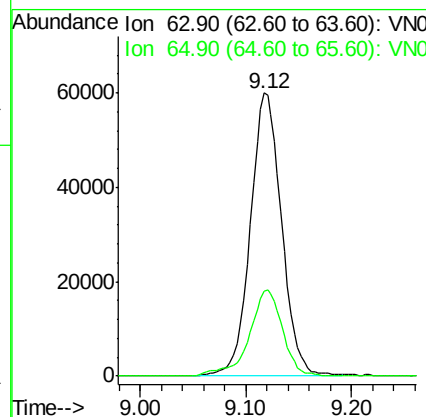
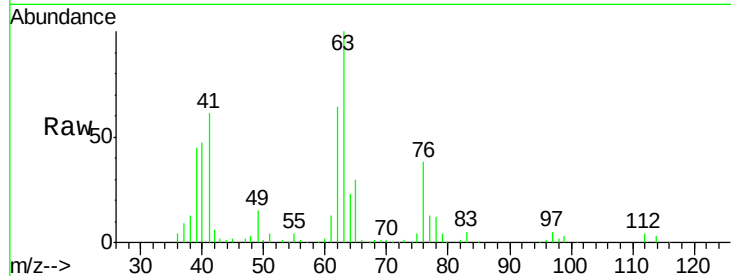




#45
 1,2-Dichloropropane
 Concen: 22.514 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

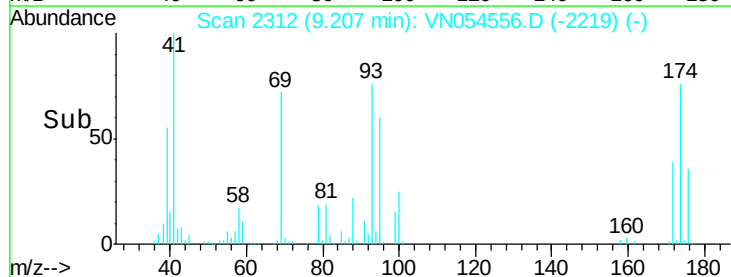
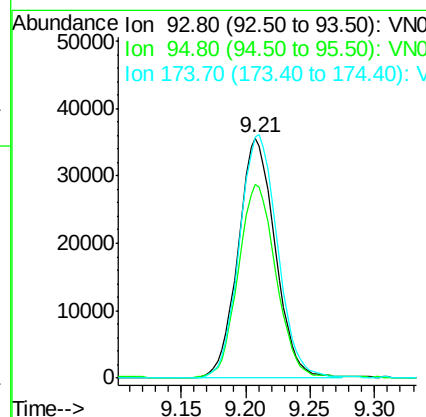
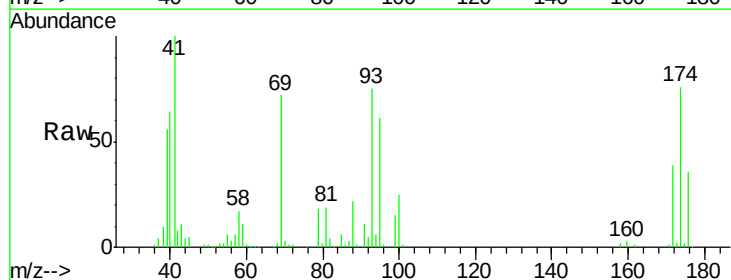
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

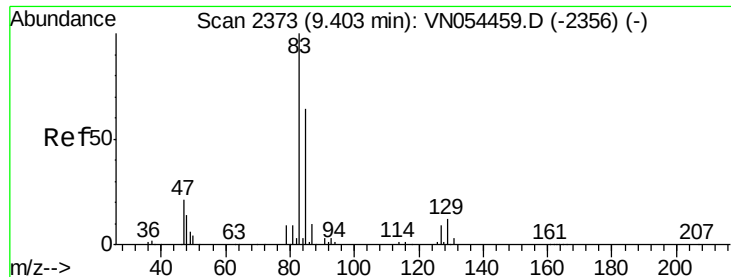
Tot Ion: 63 Resp: 123730
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6



#46
 Dibromomethane
 Concen: 21.757 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion: 93 Resp: 71332
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.7 100.1
 174 104.5 98.5 147.7





#47

Bromodichloromethane

Concen: 20.656 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

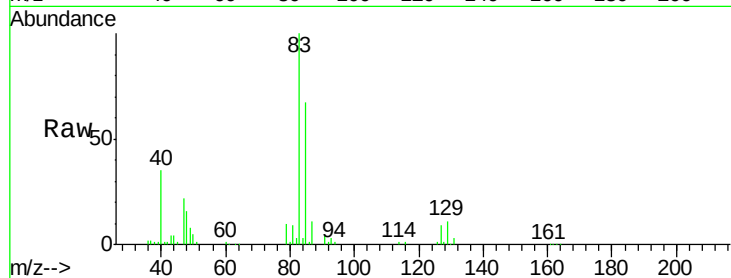
Tot Ion: 83 Resp: 140547

Ion Ratio Lower Upper

83 100

85 66.9 52.8 79.2

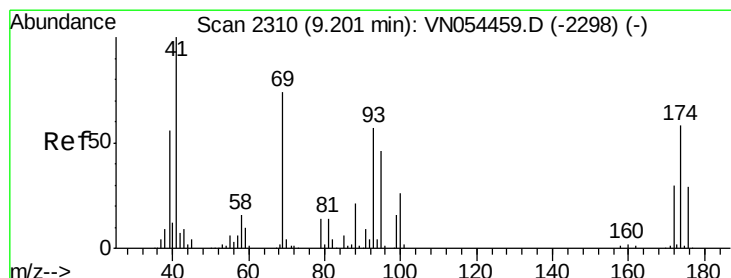
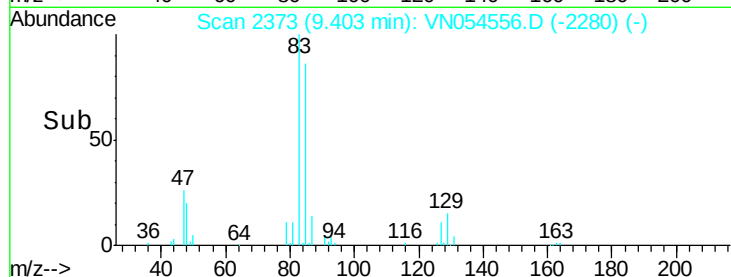
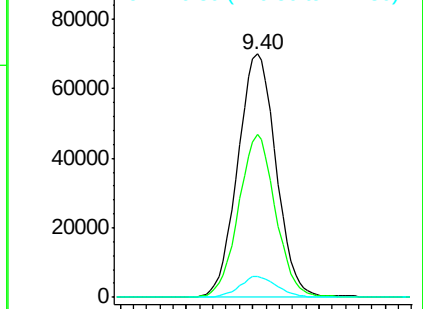
127 8.7 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.057 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

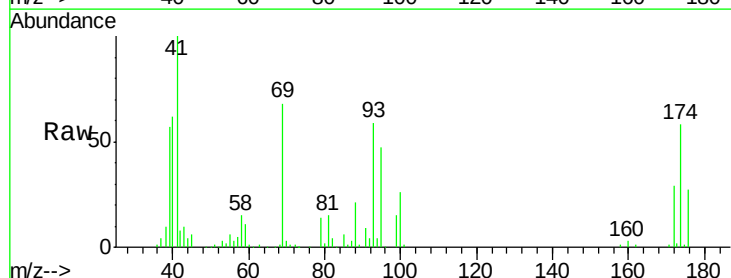
Tgt Ion: 41 Resp: 98252

Ion Ratio Lower Upper

41 100

69 74.3 72.6 108.8

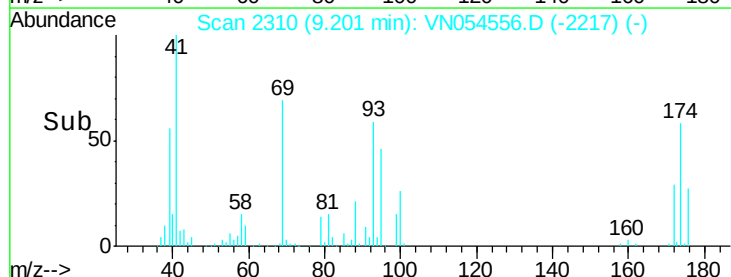
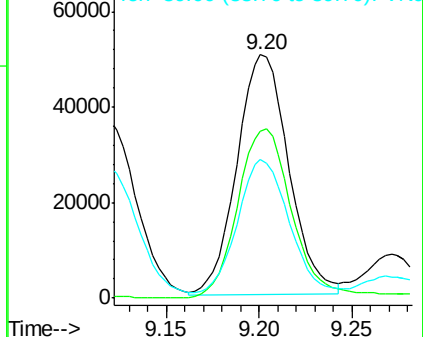
39 57.6 47.5 71.3

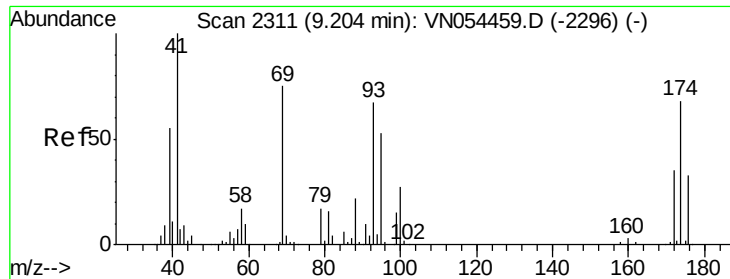


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 426.401 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

VN0322WBS01

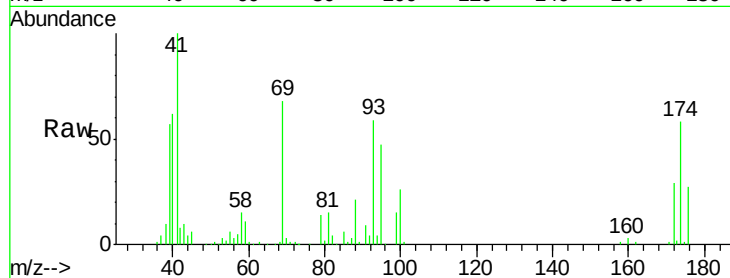
Tot Ion: 88 Resp: 22243

Ion Ratio Lower Upper

88 100

43 39.8 24.1 36.1#

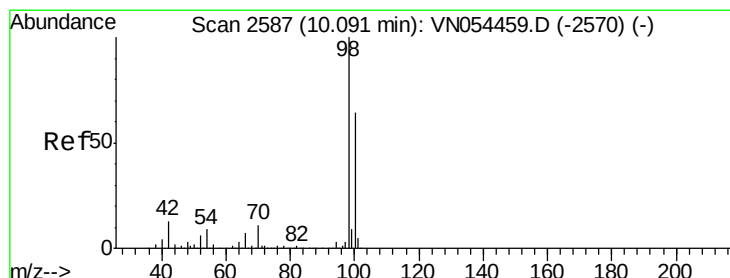
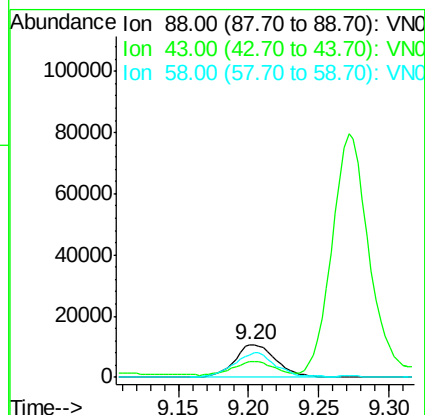
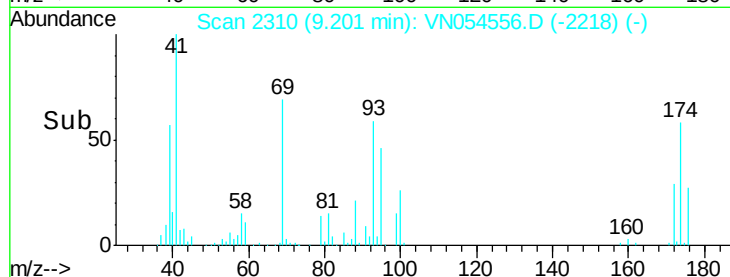
58 74.5 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.719 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054556.D

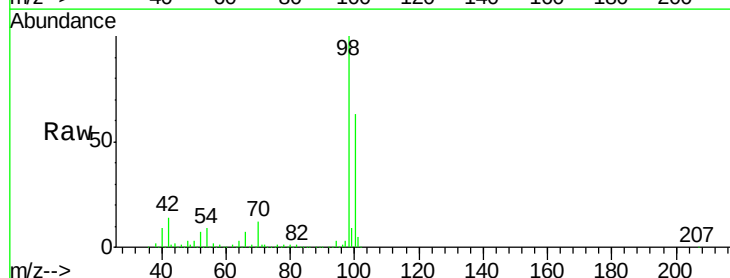
Acq: 22 Mar 2019 14:25

Tgt Ion: 98 Resp: 921752

Ion Ratio Lower Upper

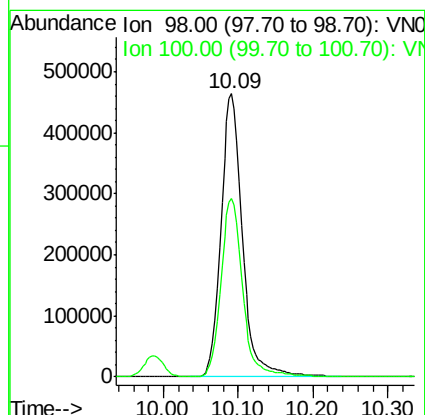
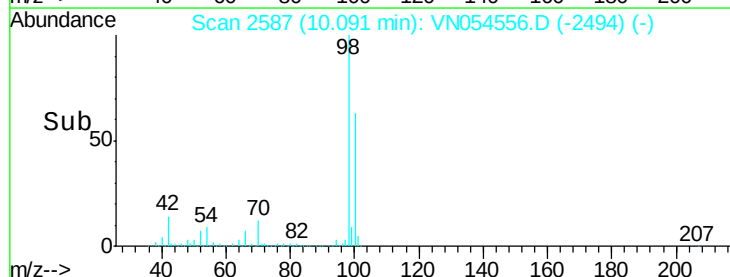
98 100

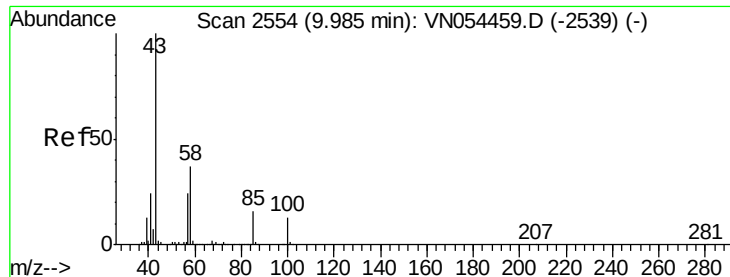
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 115.826 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

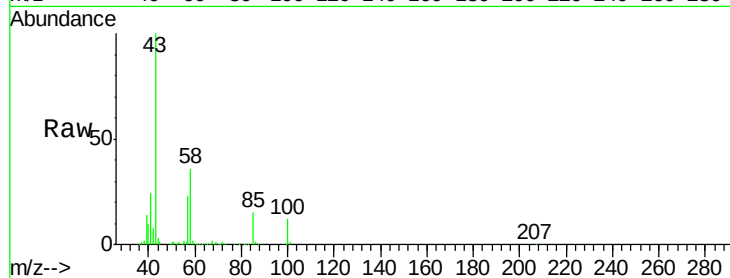
VN0322WBS01

Tot Ion: 43 Resp: 551853

Ion Ratio Lower Upper

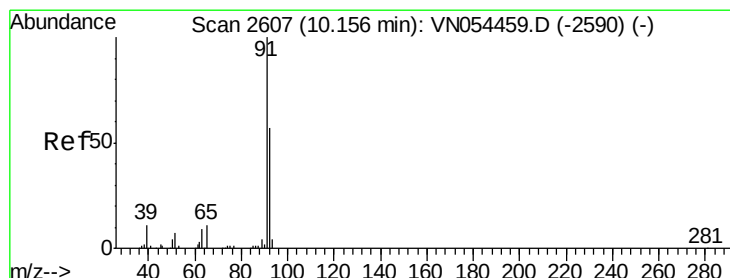
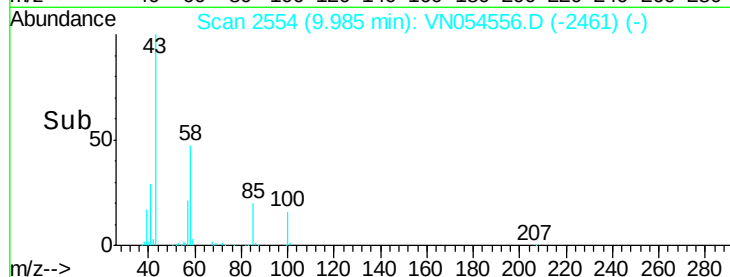
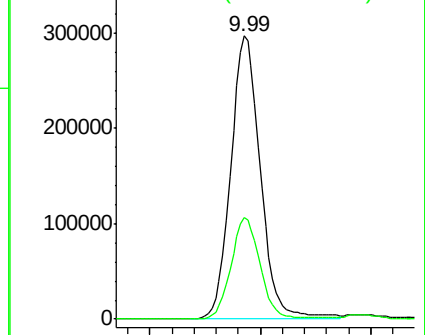
43 100

58 35.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.823 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054556.D

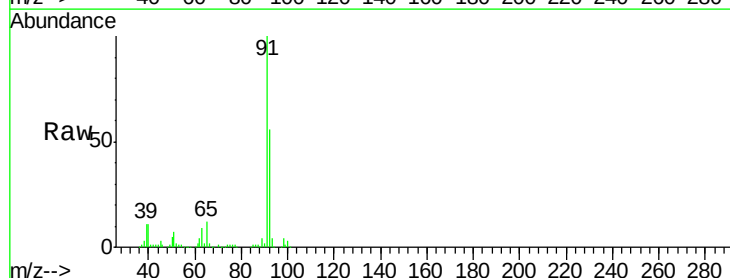
Acq: 22 Mar 2019 14:25

Tgt Ion: 92 Resp: 262114

Ion Ratio Lower Upper

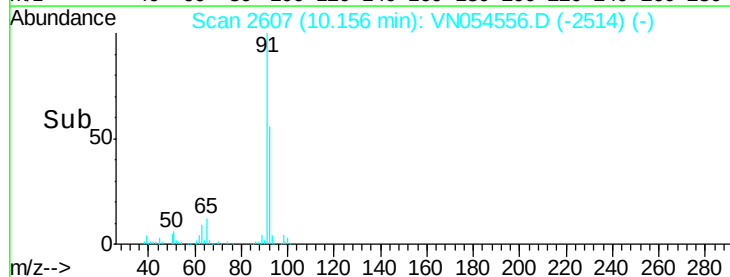
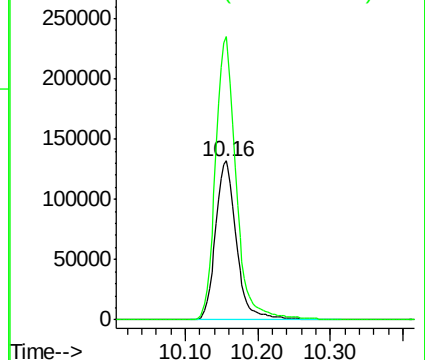
92 100

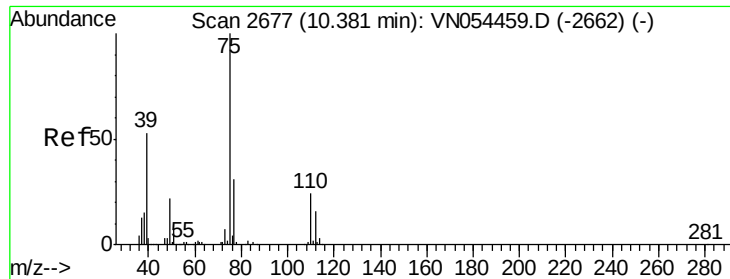
91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.276 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

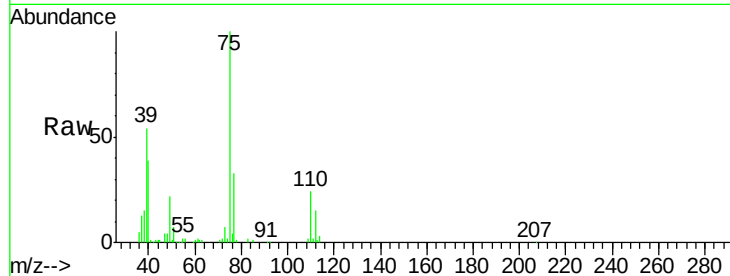
VN0322WBS01

Tot Ion: 75 Resp: 128051

Ion Ratio Lower Upper

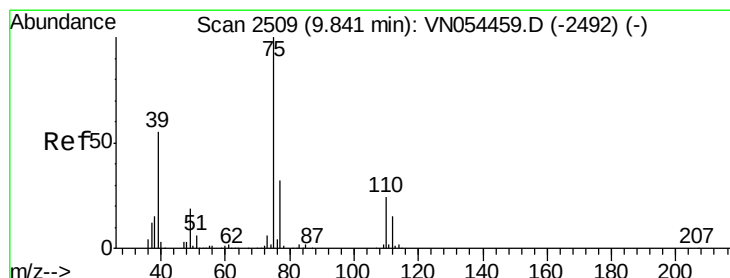
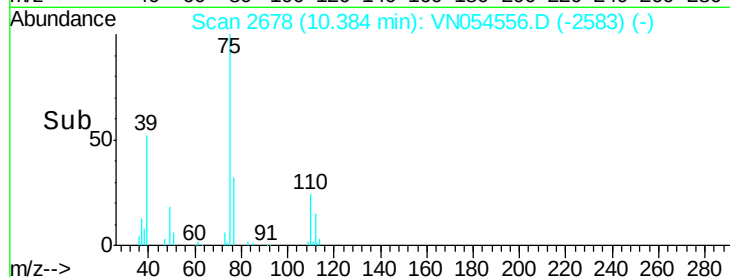
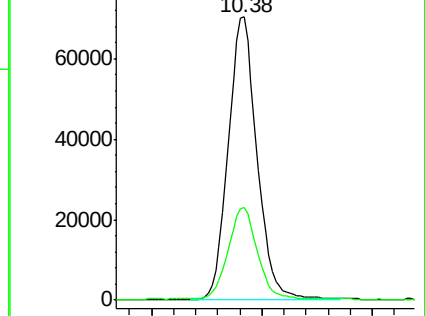
75 100

77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.832 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

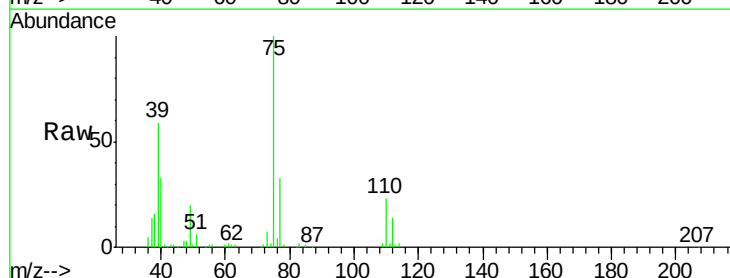
Tgt Ion: 75 Resp: 162525

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0

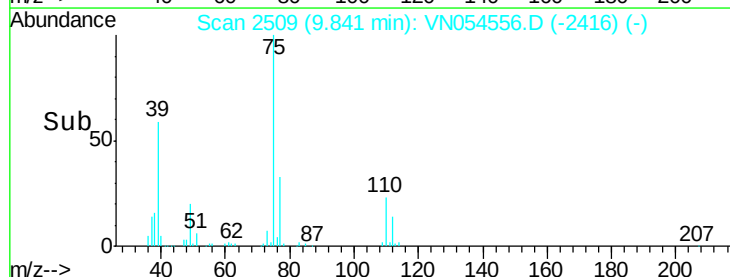
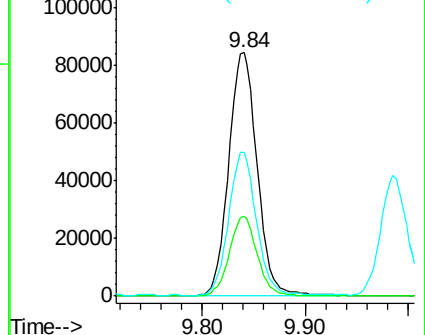
39 58.8 37.2 55.8#

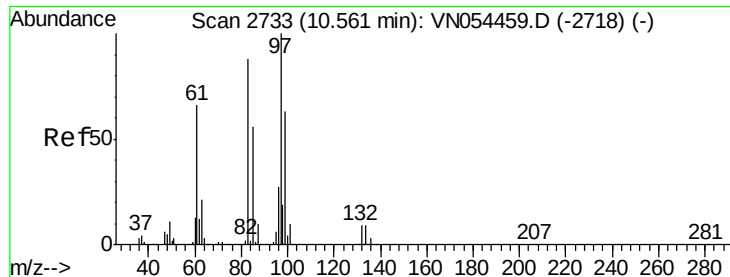


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.976 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

Tot Ion: 97 Resp: 99435

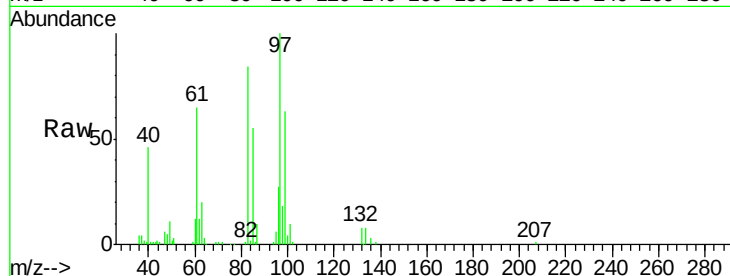
Ion Ratio Lower Upper

97 100

83 84.1 66.6 100.0

85 54.6 44.4 66.6

99 62.7 50.8 76.2

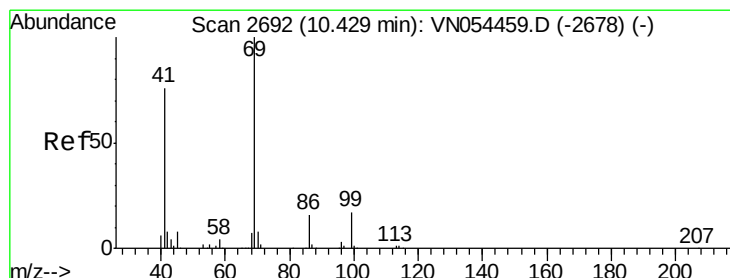
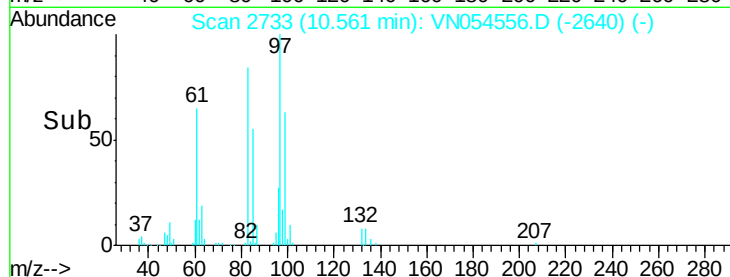
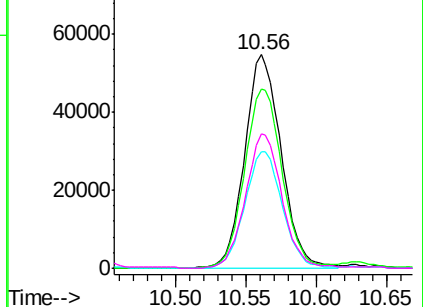


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.312 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

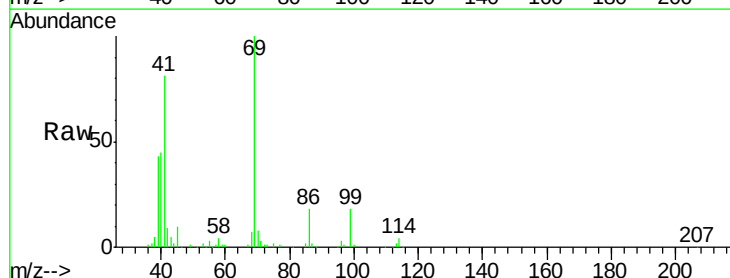
Tgt Ion: 69 Resp: 129431

Ion Ratio Lower Upper

69 100

41 78.7 49.4 74.2#

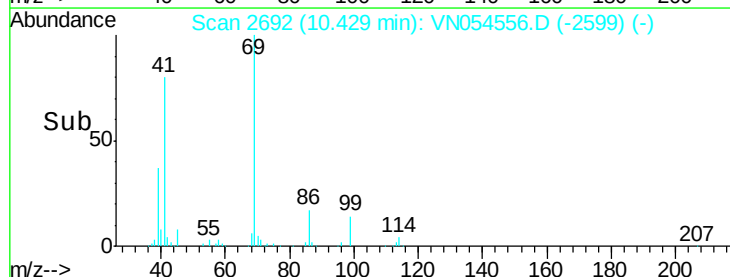
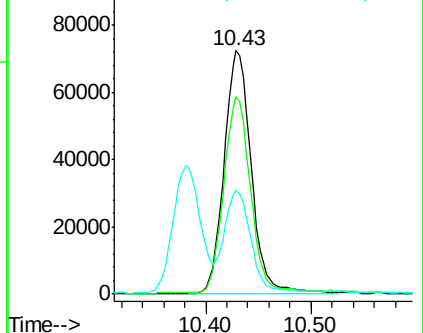
39 41.2 28.3 42.5

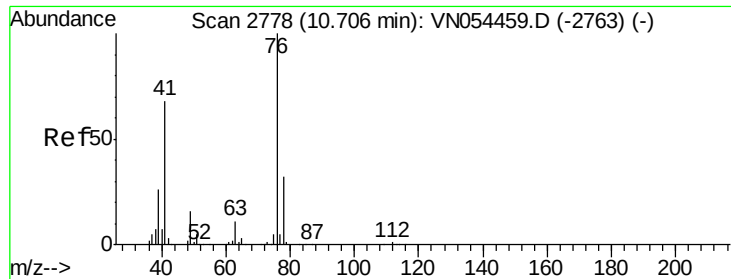


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

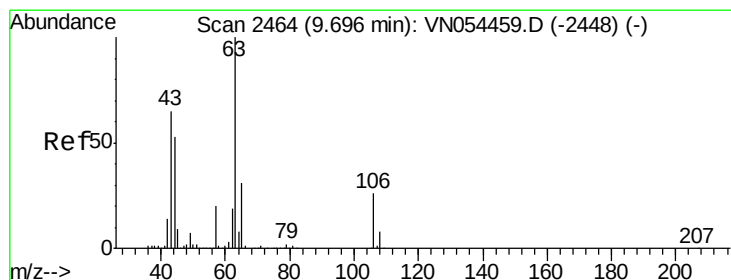
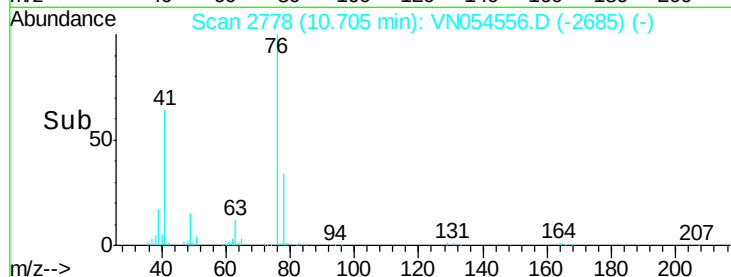
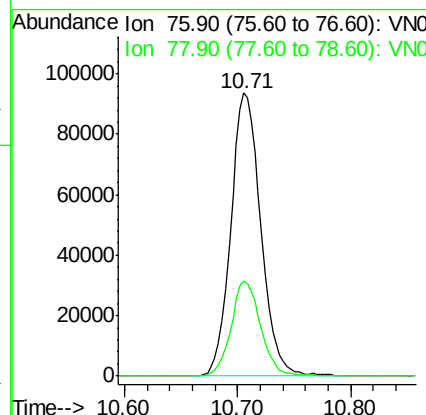
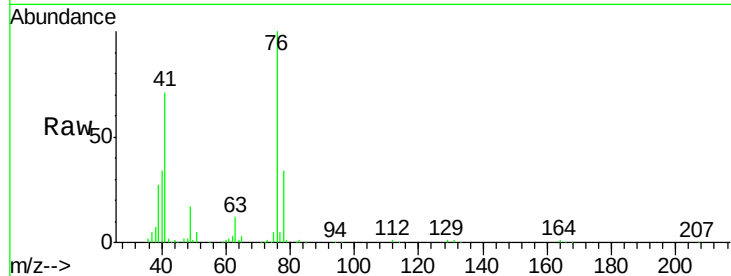




#57
 1,3-Dichloropropane
 Concen: 21.931 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

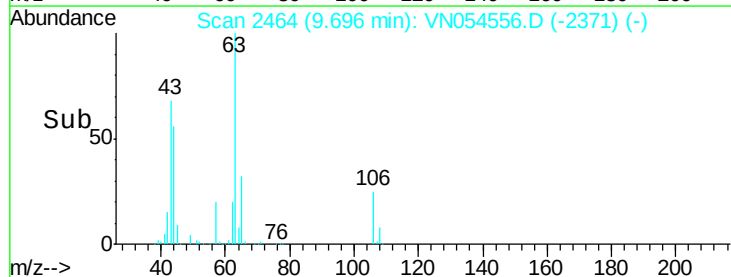
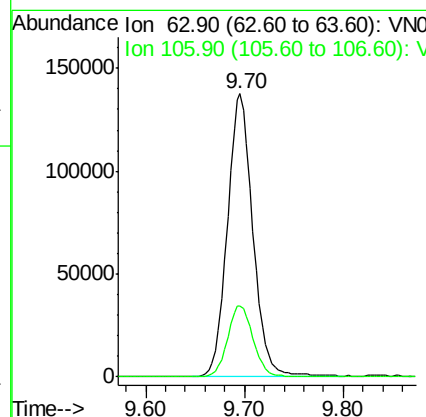
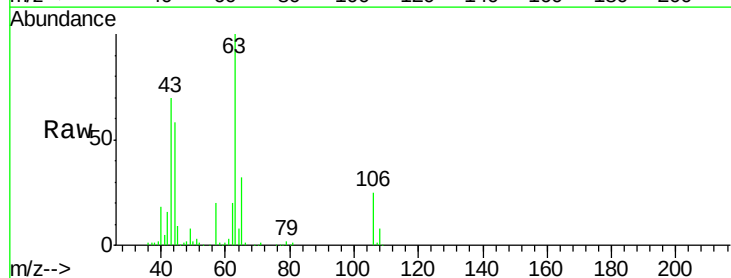
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBS01

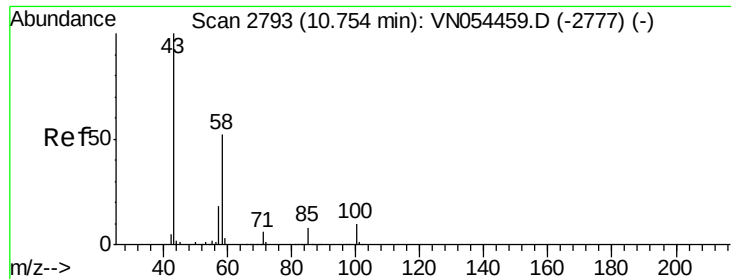
Tot Ion: 76 Resp: 172499
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.964 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion: 63 Resp: 249992
 Ion Ratio Lower Upper
 63 100
 106 25.1 24.4 36.6

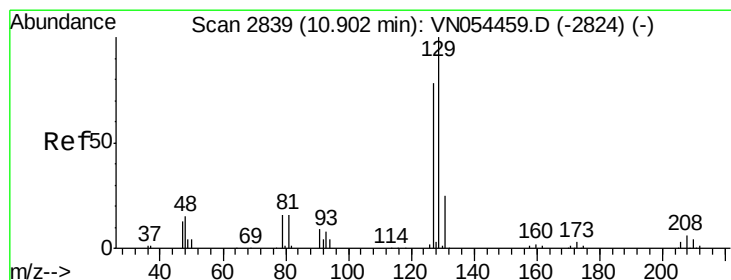
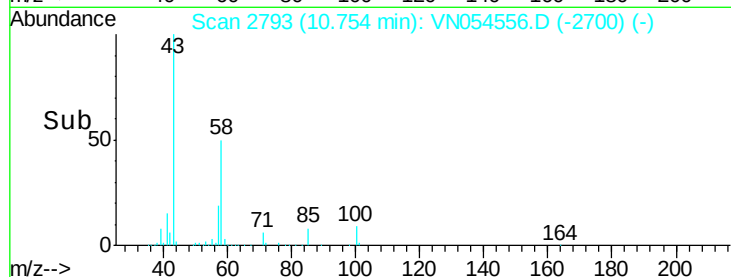
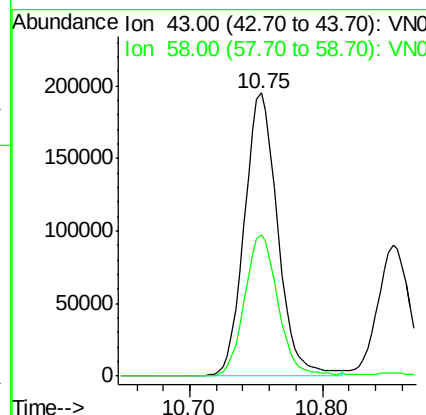
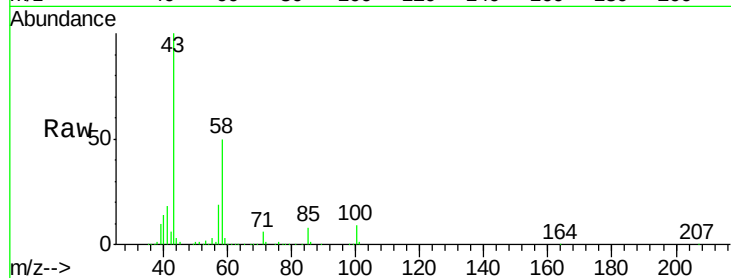




#59
2-Hexanone
Concen: 109.164 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

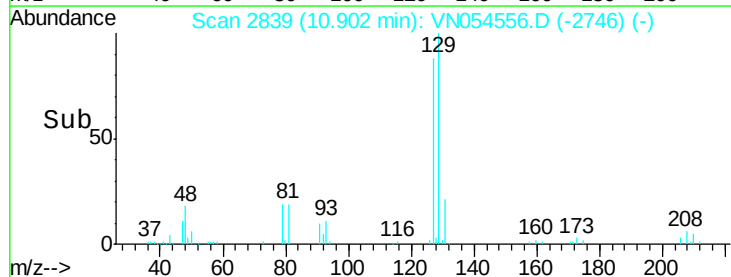
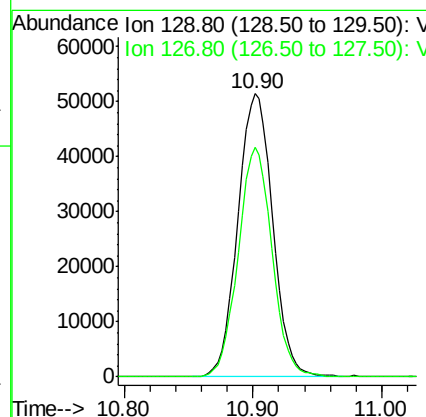
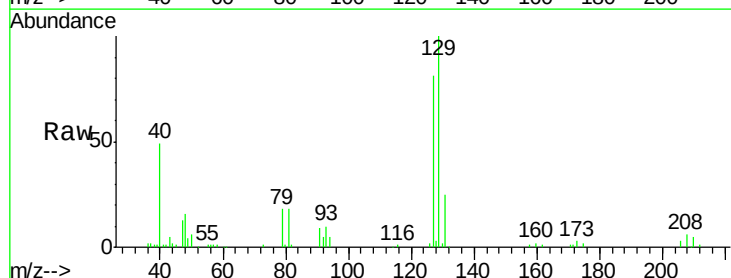
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBS01

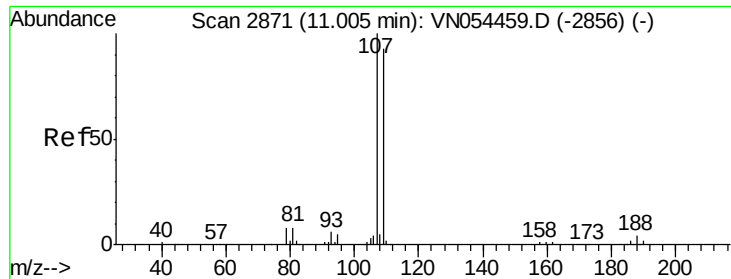
Tot Ion: 43 Resp: 339729
Ion Ratio Lower Upper
43 100
58 50.4 28.0 83.9



#60
Dibromochloromethane
Concen: 20.068 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 129 Resp: 96626
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.168 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

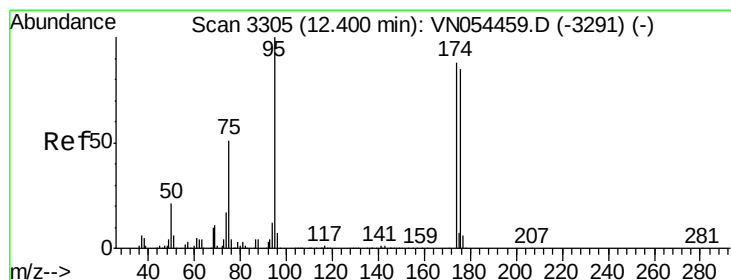
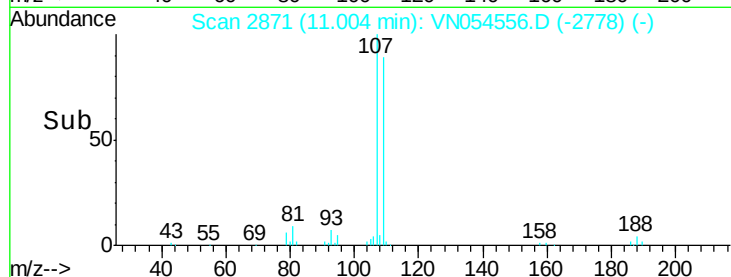
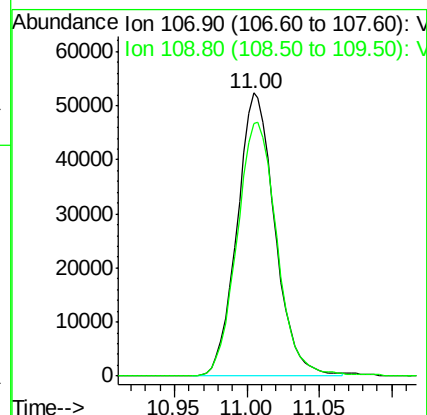
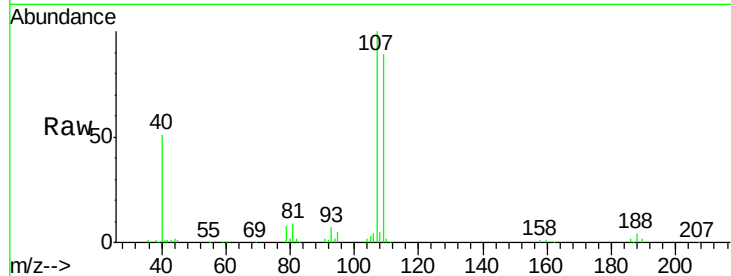
VN0322WBS01

Tot Ion:107 Resp: 94692

Ion Ratio Lower Upper

107 100

109 94.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.564 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

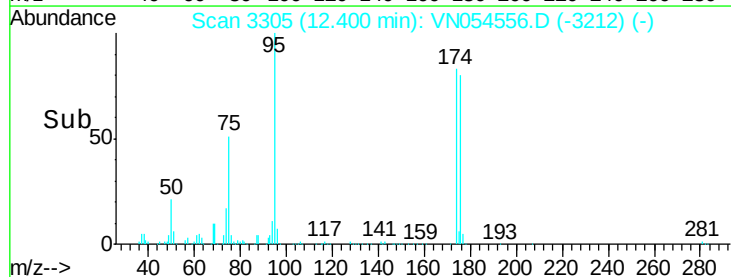
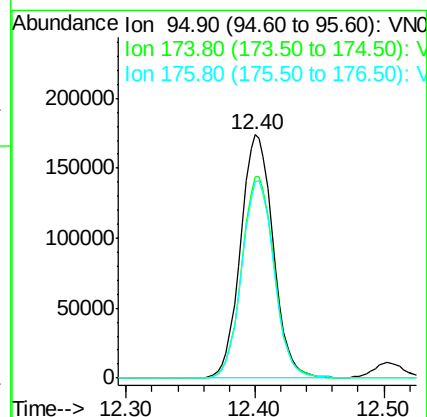
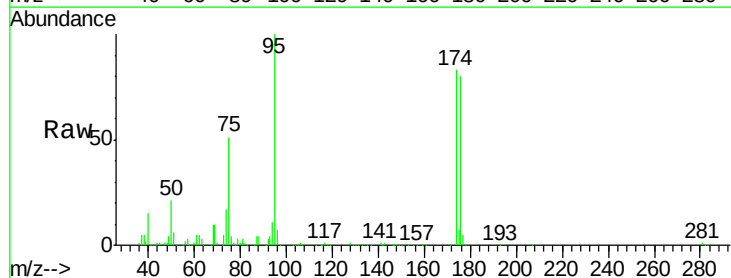
Tgt Ion: 95 Resp: 306370

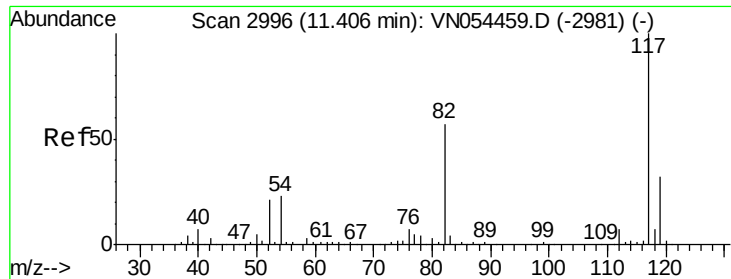
Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

176 80.7 0.0 187.4

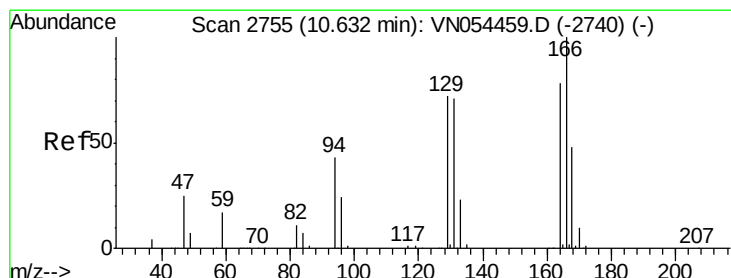
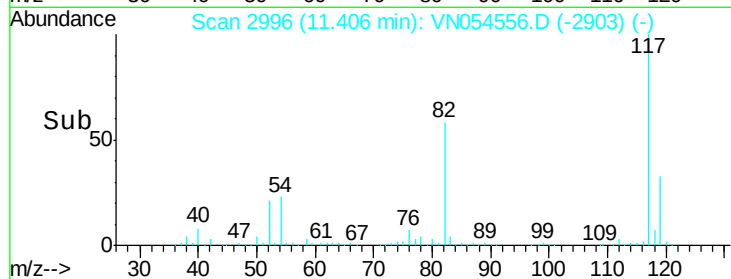
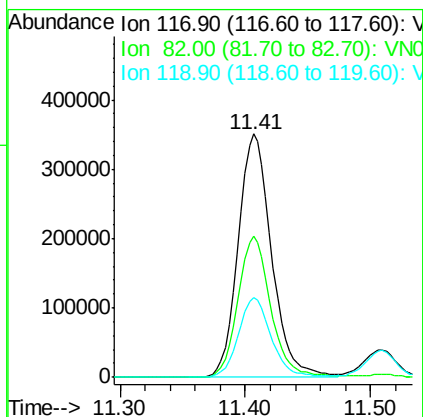
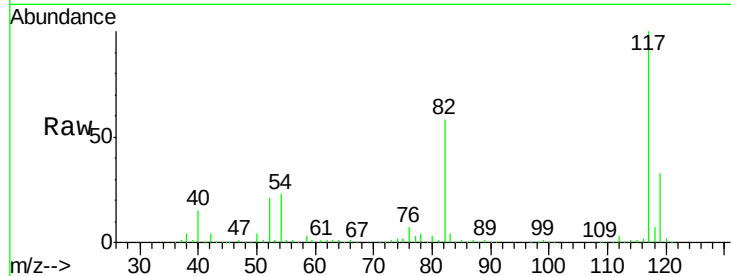




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

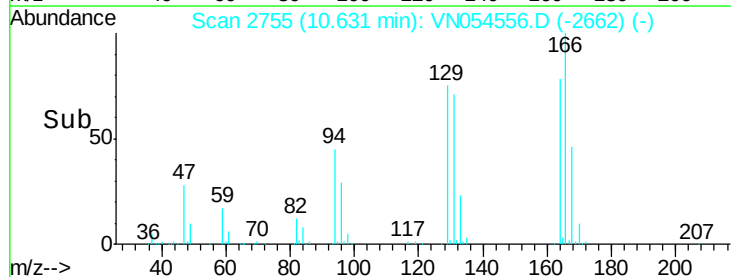
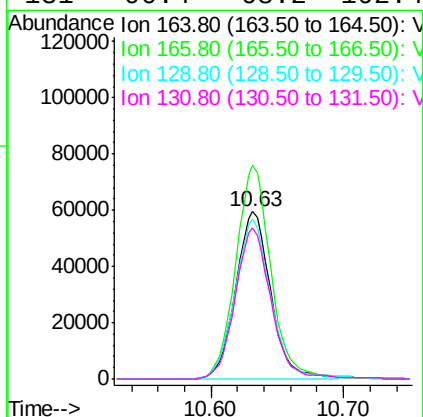
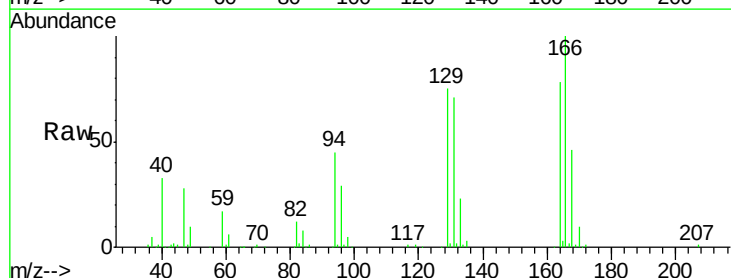
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBS01

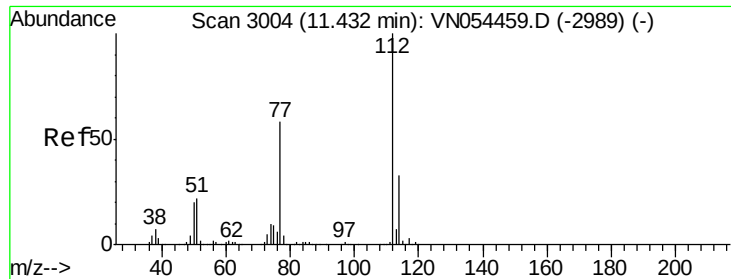
Tot Ion:117 Resp: 648160
Ion Ratio Lower Upper
117 100
82 58.0 40.0 60.0
119 33.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.424 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion:164 Resp: 109804
Ion Ratio Lower Upper
164 100
166 127.6 103.9 155.9
129 95.3 71.1 106.7
131 90.4 68.2 102.4





#65

Chlorobenzene

Concen: 20.816 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

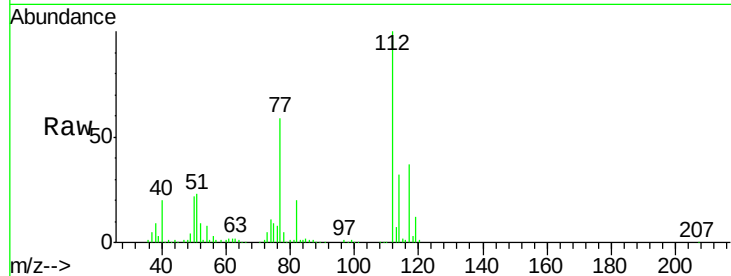
VN0322WBS01

Tot Ion:112 Resp: 274416

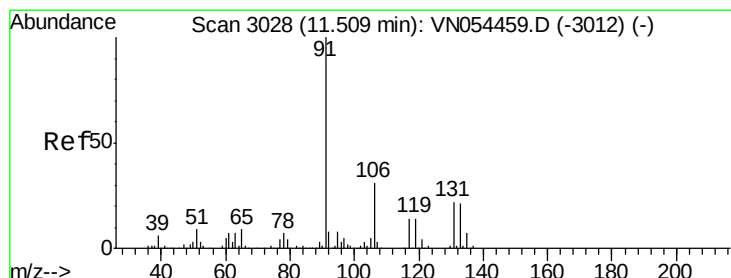
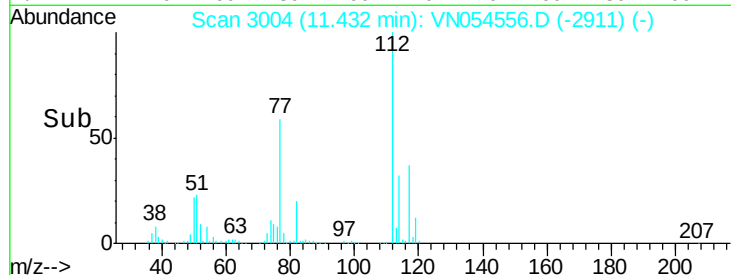
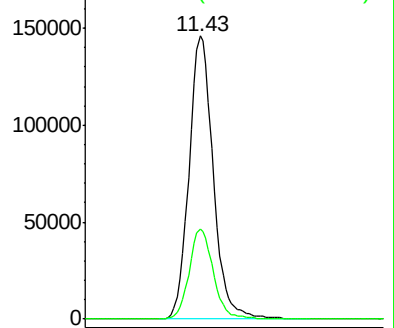
Ion Ratio Lower Upper

112 100

114 31.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.106 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

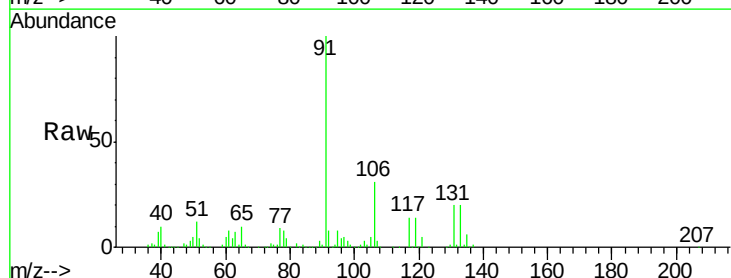
Tgt Ion:131 Resp: 99866

Ion Ratio Lower Upper

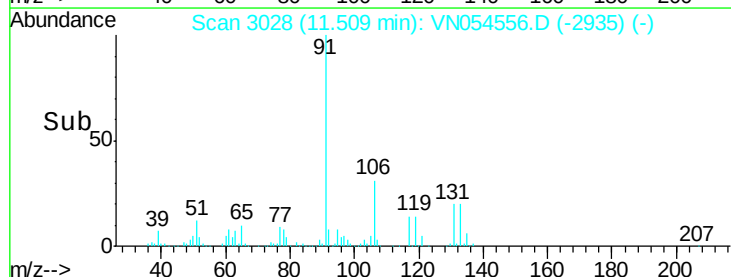
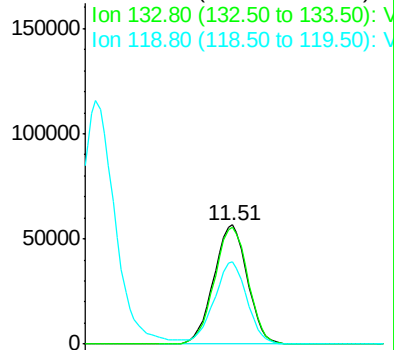
131 100

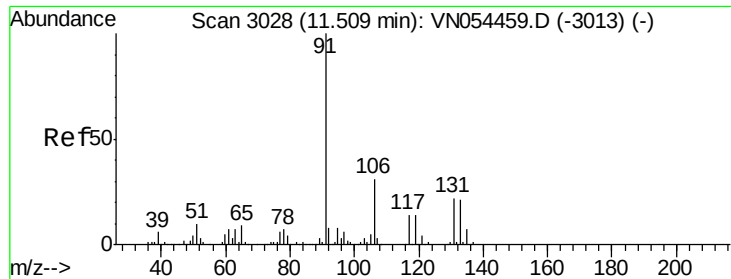
133 98.1 47.6 142.9

119 67.8 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

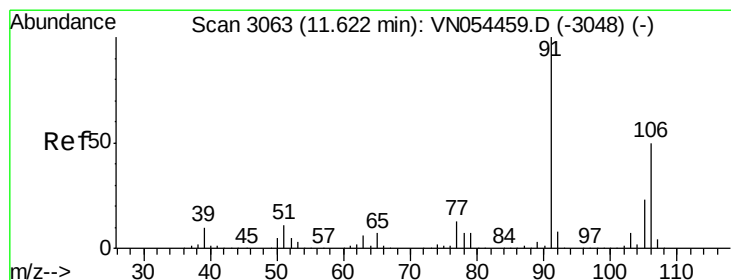
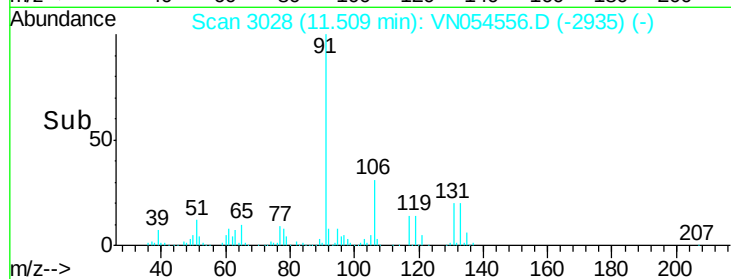
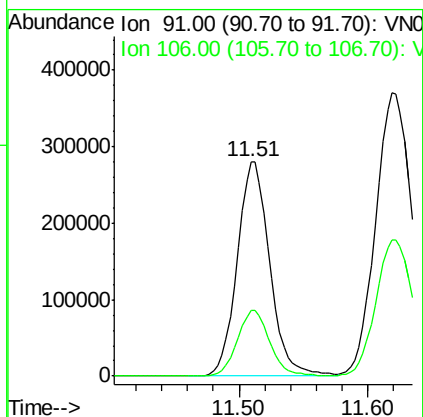
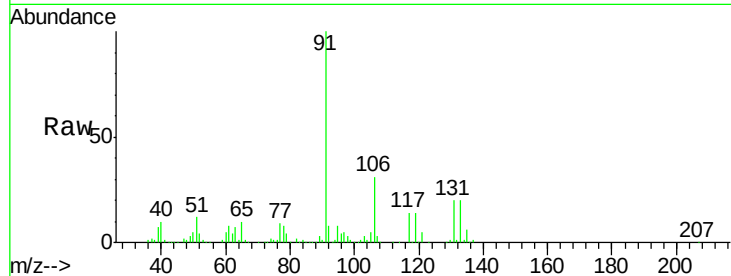




#67
Ethyl Benzene
Concen: 21.176 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

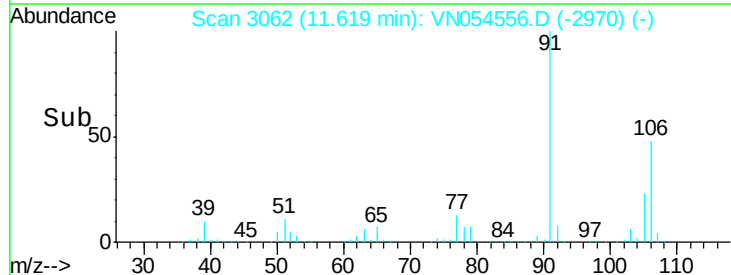
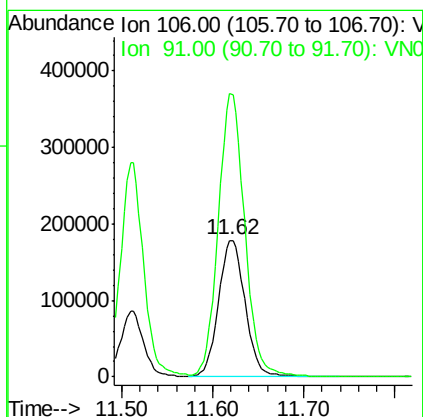
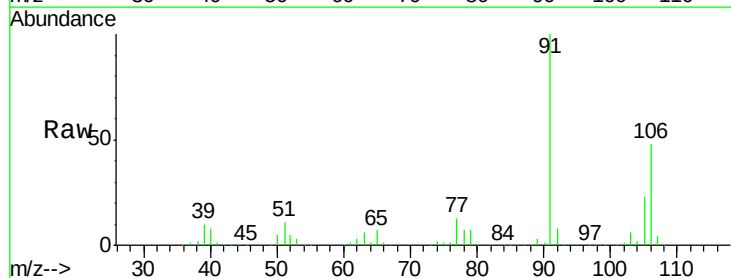
Instrument :
MSVOA_N
ClientSampled :
VN0322WBS01

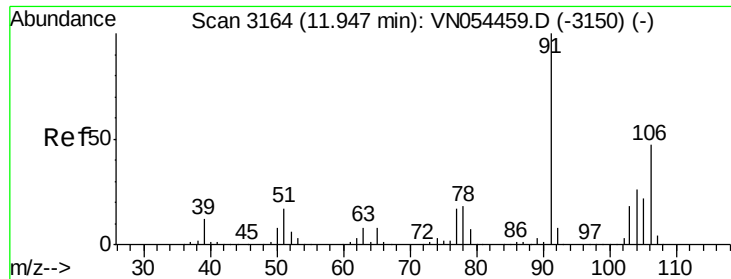
Tot Ion: 91 Resp: 493128
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3



#68
m/p-Xylenes
Concen: 41.461 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion: 106 Resp: 365697
Ion Ratio Lower Upper
106 100
91 204.6 159.4 239.2

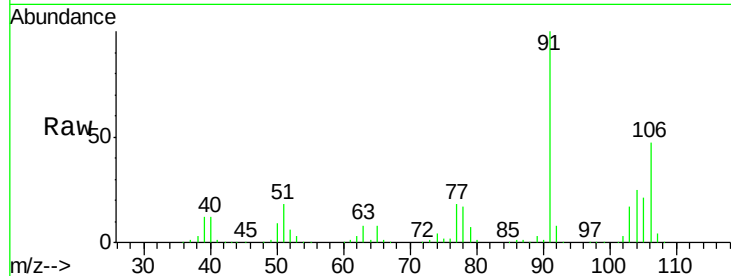




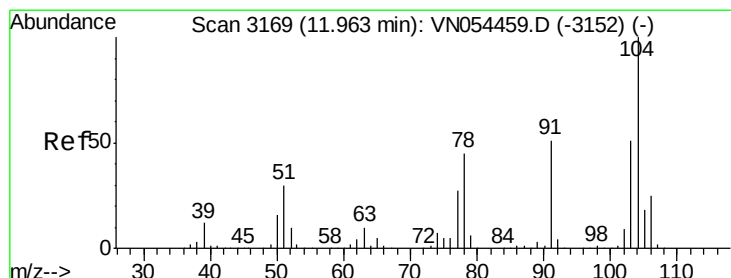
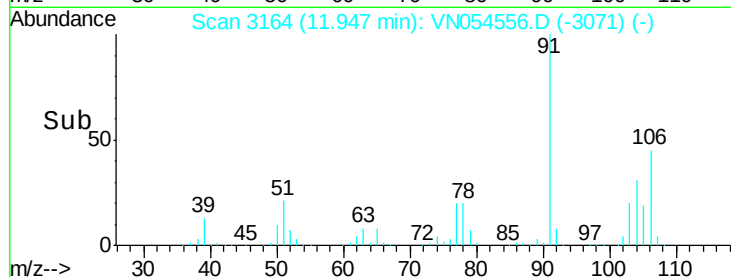
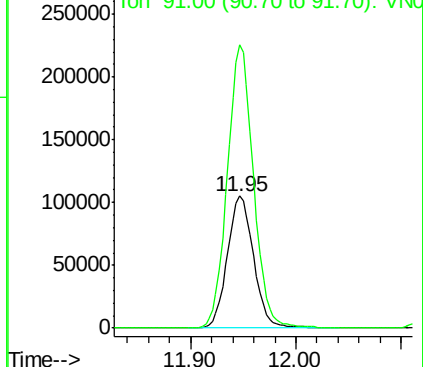
#69
o-Xylene
Concen: 21.028 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Instrument :
MSVOA_N
ClientSampled :
VN0322WBS01

Tot Ion:106 Resp: 181135
Ion Ratio Lower Upper
106 100
91 213.1 105.7 317.1

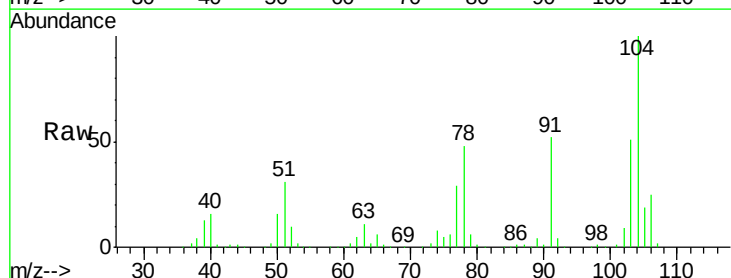


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

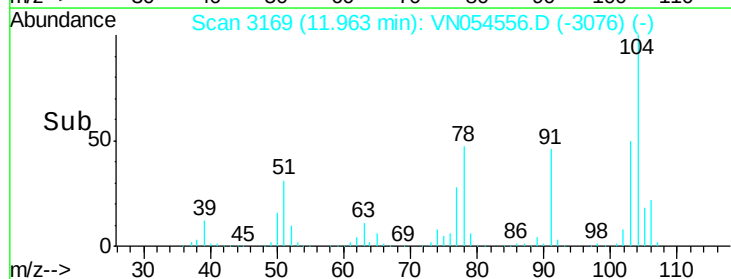
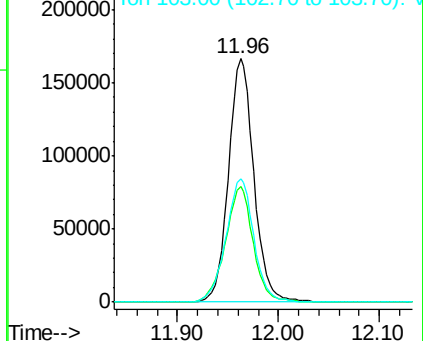


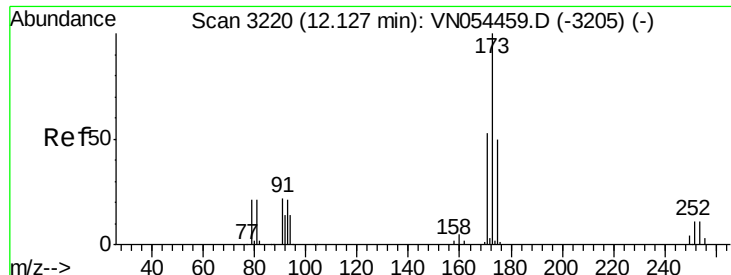
#70
Styrene
Concen: 20.892 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054556.D
Acq: 22 Mar 2019 14:25

Tgt Ion:104 Resp: 292244
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.7 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.492 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

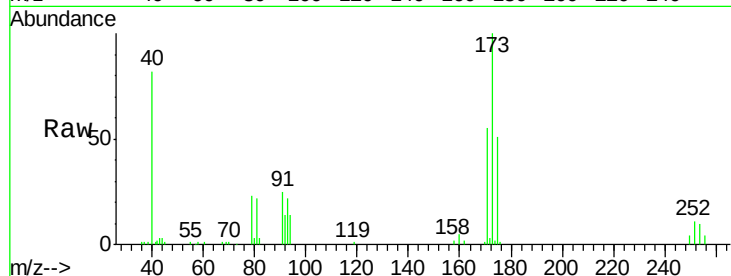
Tot Ion:173 Resp: 55548

Ion Ratio Lower Upper

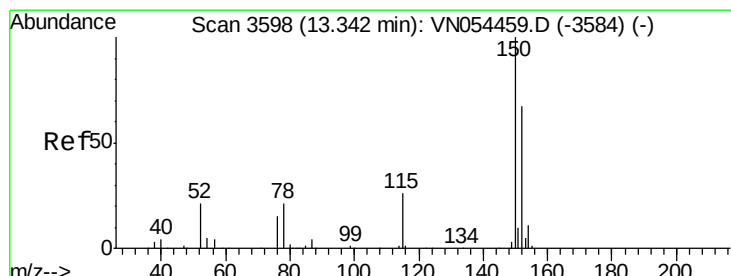
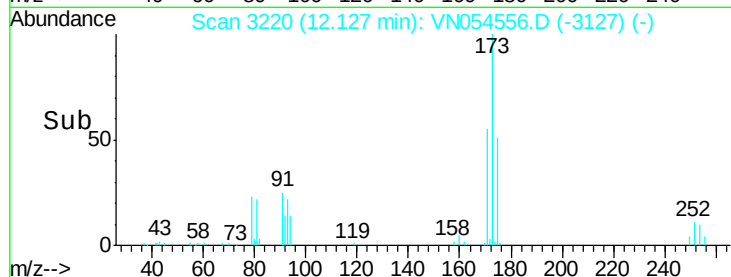
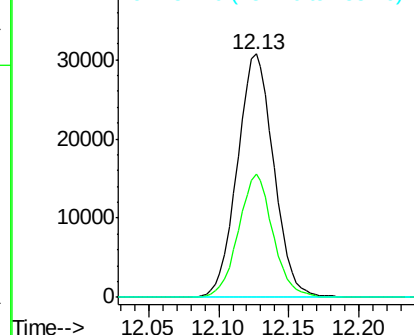
173 100

175 47.9 24.4 73.2

254 0.0 0.1 0.1#



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: VN054556.D

Acq: 22 Mar 2019 14:25

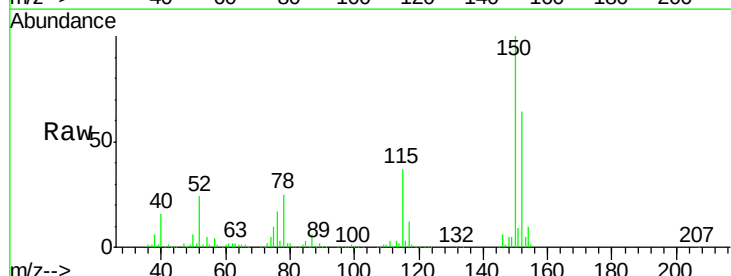
Tgt Ion:152 Resp: 270192

Ion Ratio Lower Upper

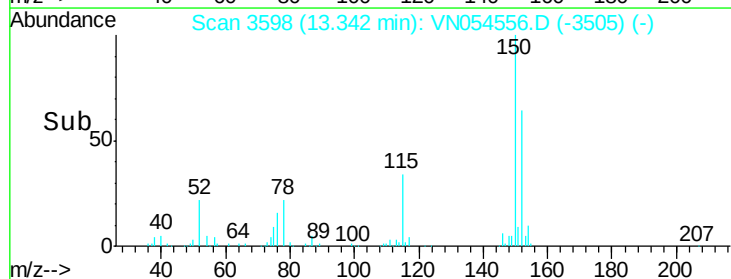
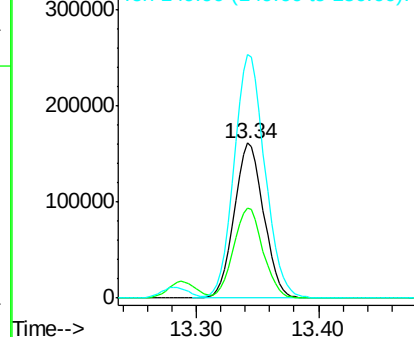
152 100

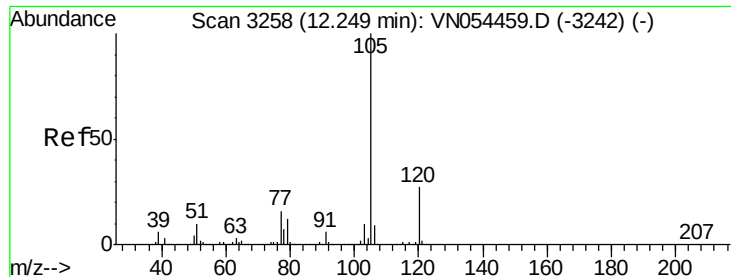
115 58.2 27.2 81.6

150 164.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.738 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

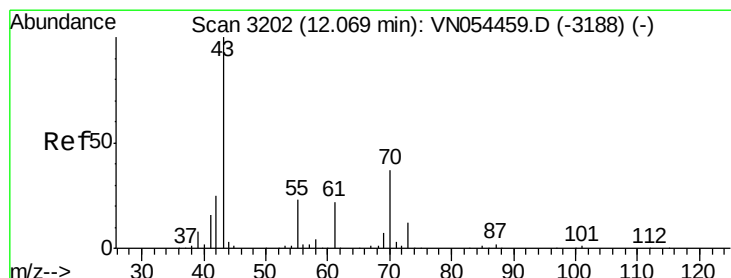
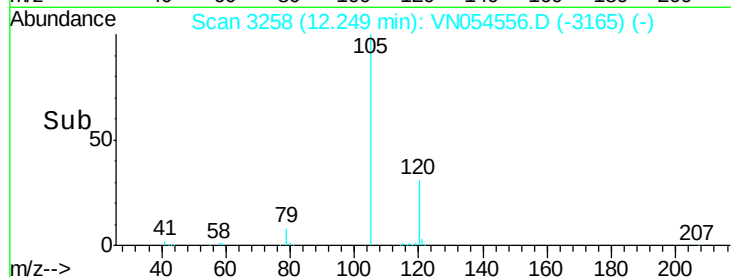
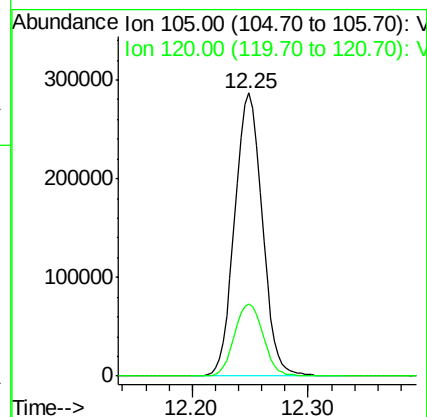
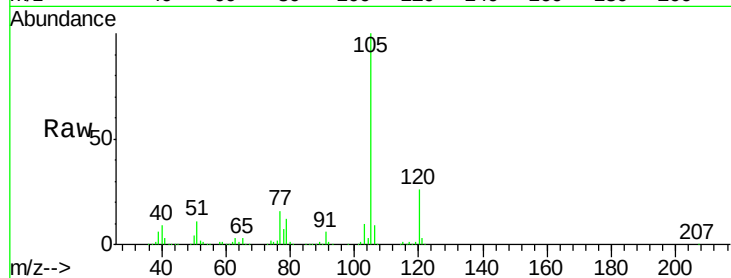
VN0322WBS01

Tot Ion:105 Resp: 473301

Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.3



#74

N-amyl acetate

Concen: 23.714 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Tgt Ion: 43 Resp: 148459

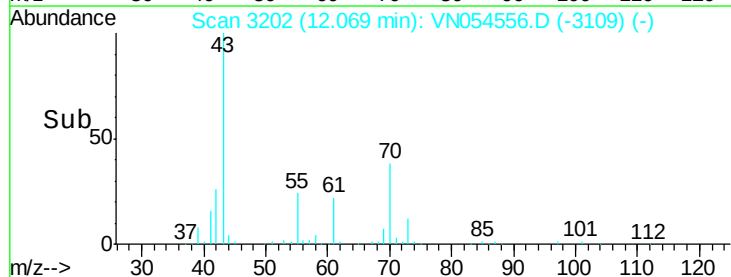
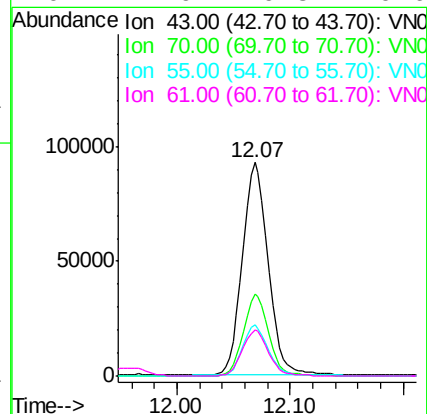
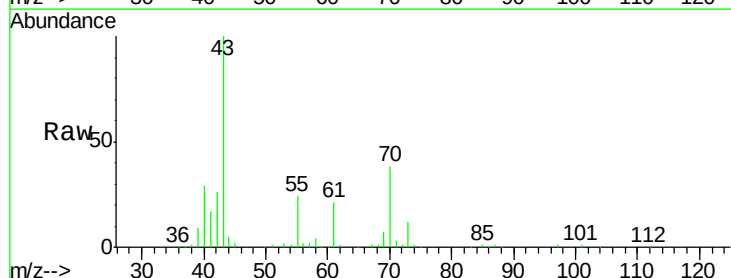
Ion Ratio Lower Upper

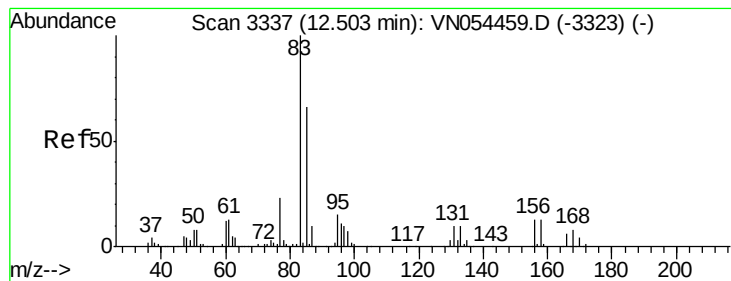
43 100

70 37.7 35.4 53.0

55 23.6 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.079 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

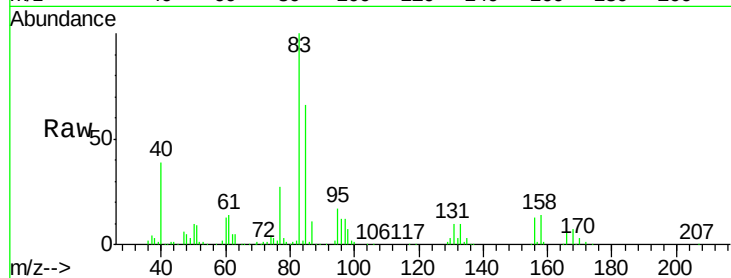
Tot Ion: 83 Resp: 114706

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.4

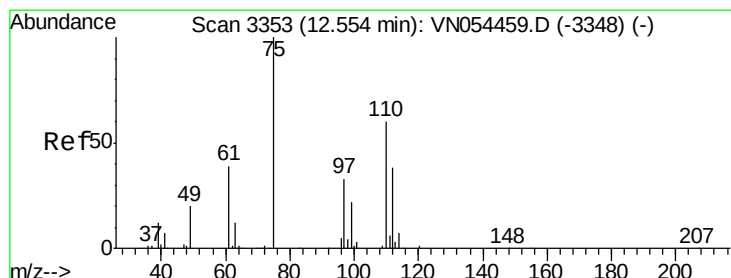
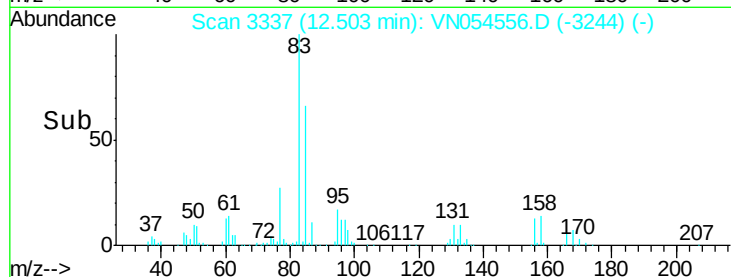
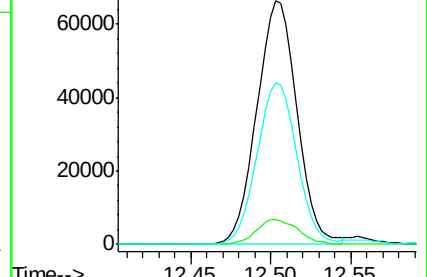
85 65.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.779 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054556.D

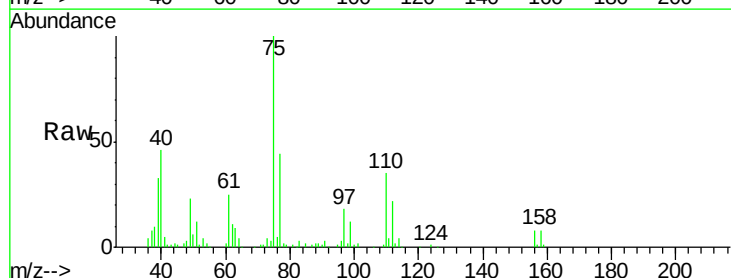
Acq: 22 Mar 2019 14:25

Tgt Ion: 75 Resp: 136254

Ion Ratio Lower Upper

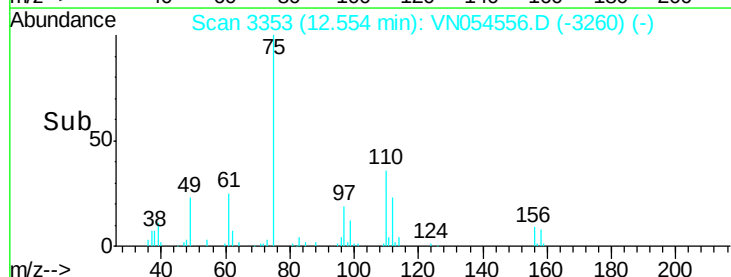
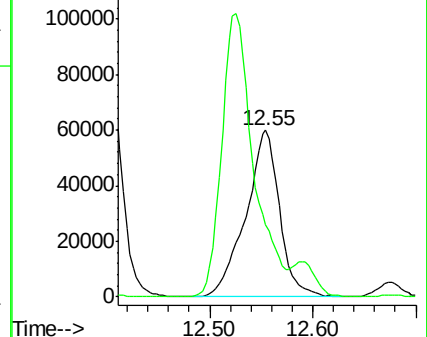
75 100

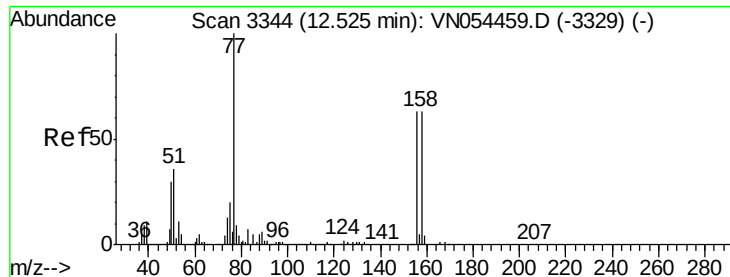
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.215 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

VN0322WBS01

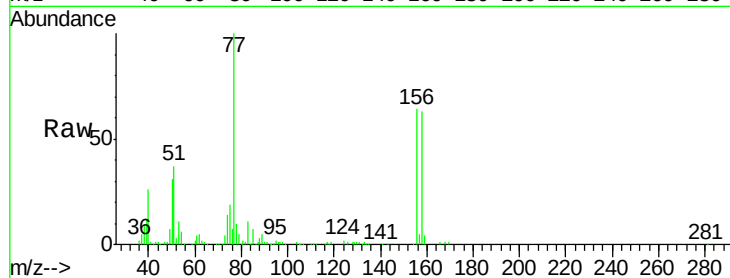
Tot Ion:156 Resp: 114560

Ion Ratio Lower Upper

156 100

77 192.7 81.5 244.4

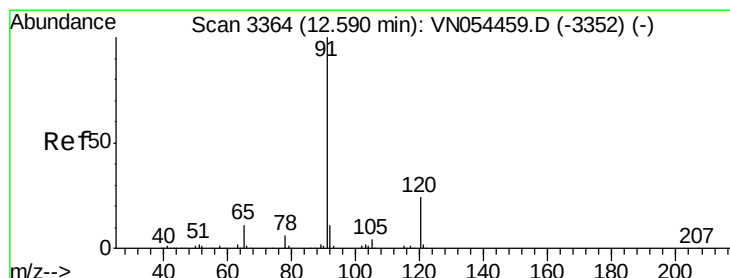
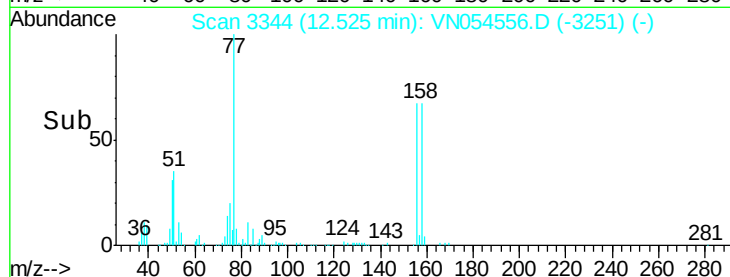
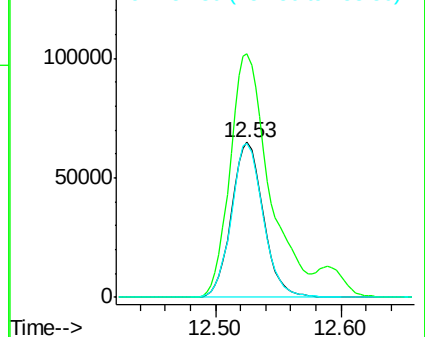
158 99.1 49.0 147.2



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: 21.576 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054556.D

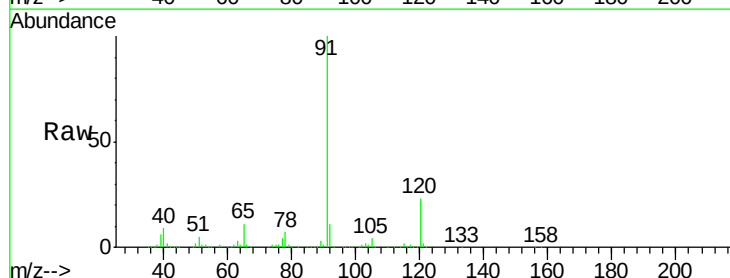
Acq: 22 Mar 2019 14:25

Tgt Ion: 91 Resp: 509392

Ion Ratio Lower Upper

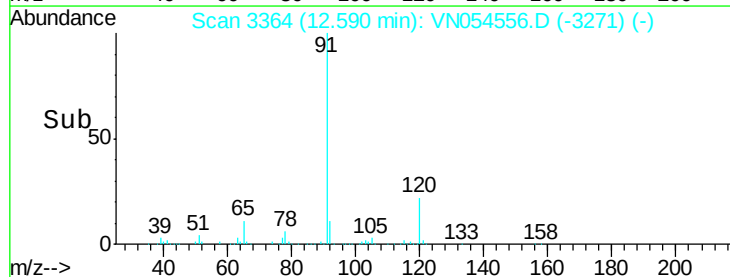
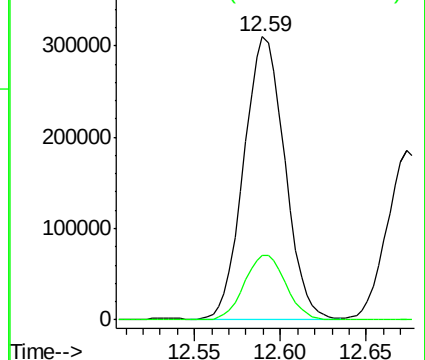
91 100

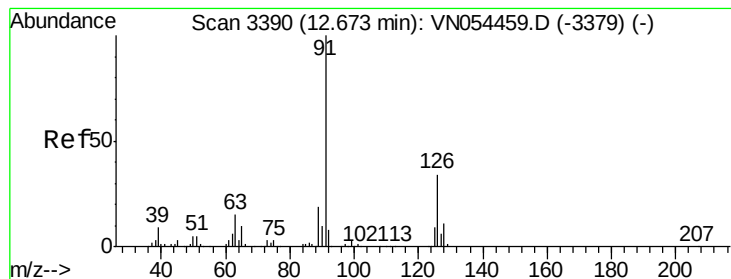
120 23.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.476 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

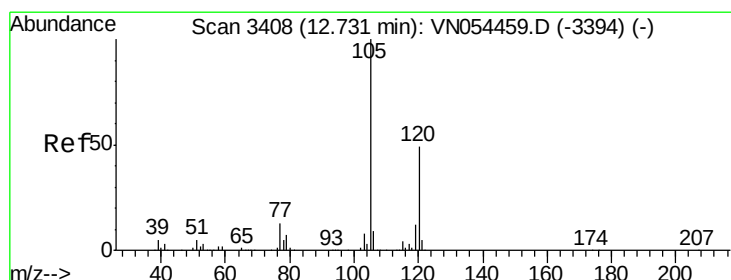
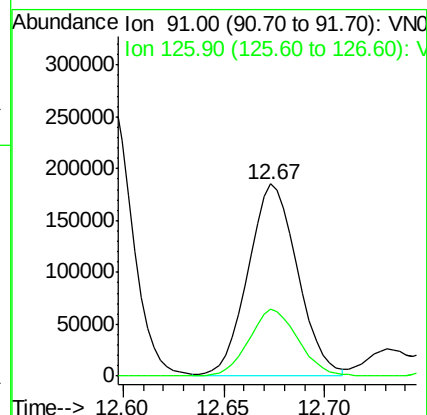
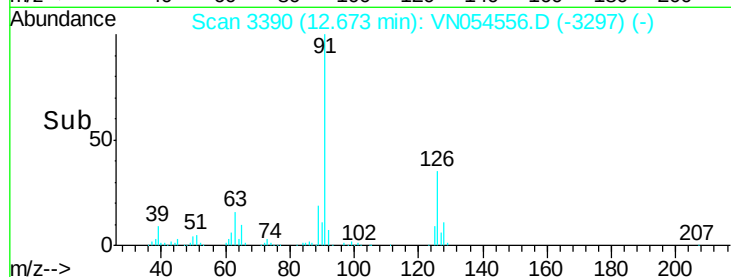
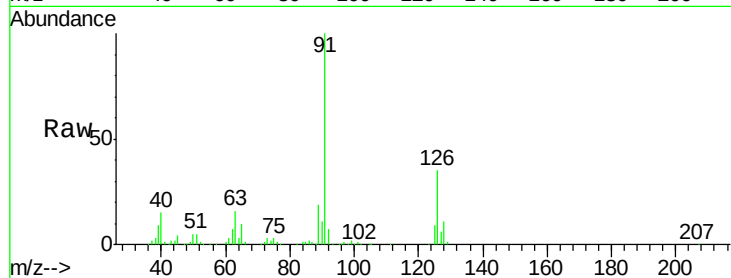
VN0322WBS01

Tot Ion: 91 Resp: 316188

Ion Ratio Lower Upper

91 100

126 34.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 21.230 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054556.D

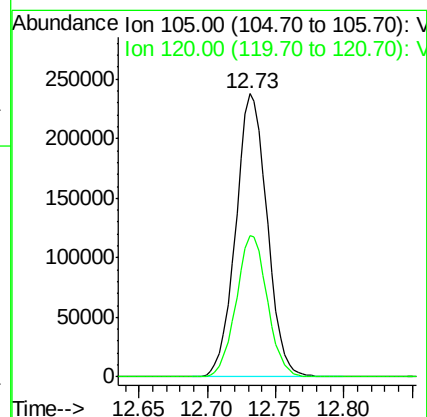
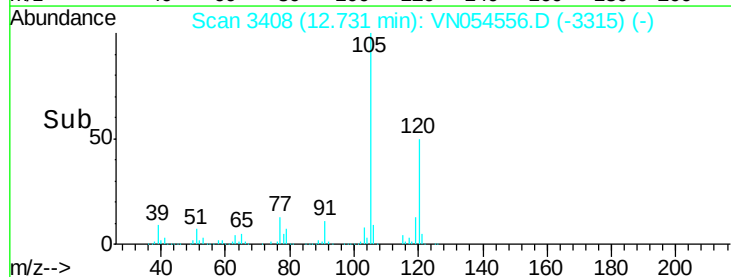
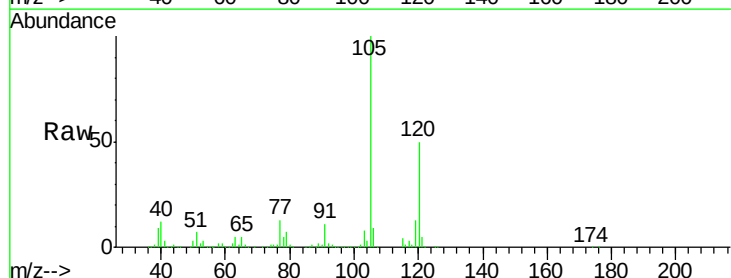
Acq: 22 Mar 2019 14:25

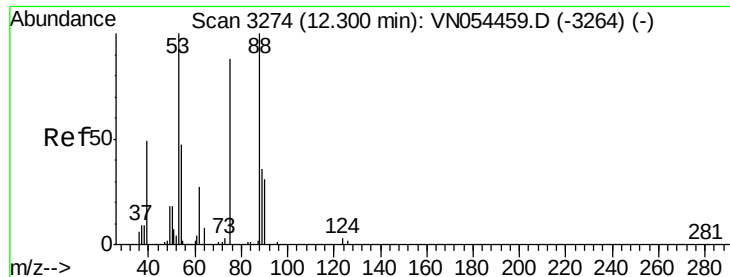
Tgt Ion: 105 Resp: 378832

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.683 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

VN0322WBS01

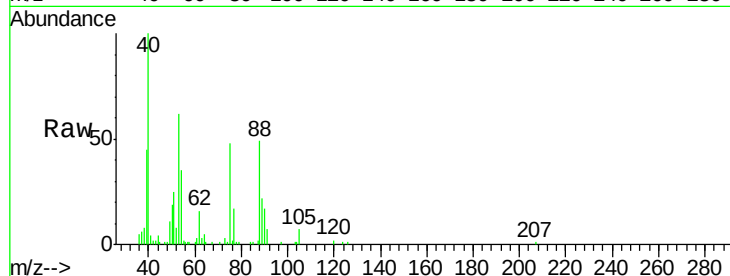
Tot Ion: 75 Resp: 21926

Ion Ratio Lower Upper

75 100

53 131.0 76.2 114.2#

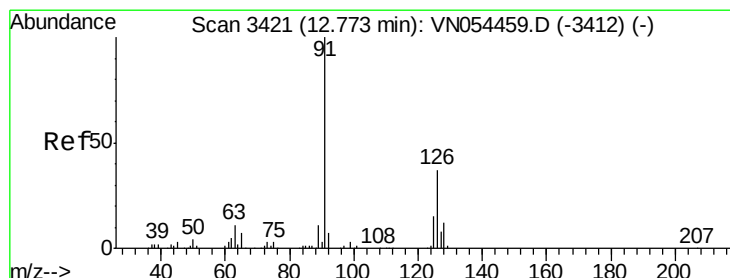
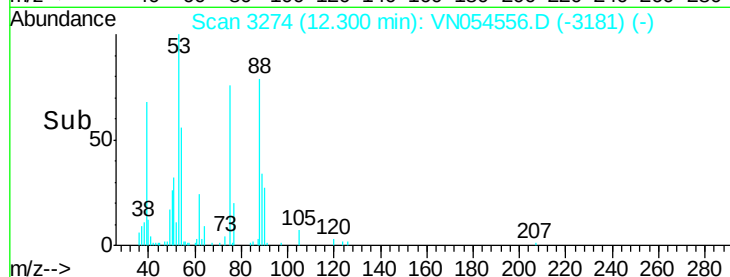
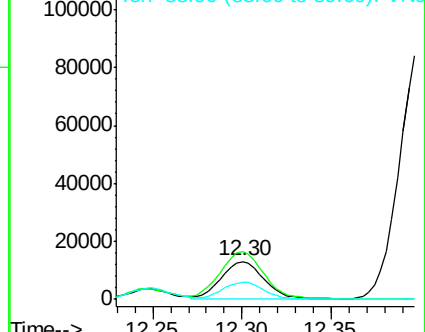
89 44.1 39.2 58.8



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: 21.434 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054556.D

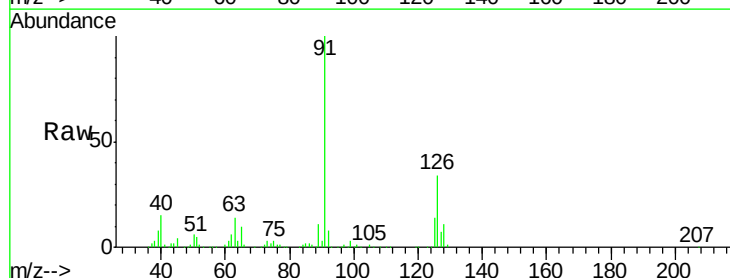
Acq: 22 Mar 2019 14:25

Tgt Ion: 91 Resp: 305882

Ion Ratio Lower Upper

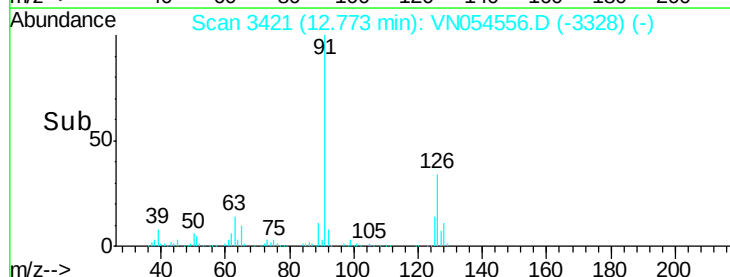
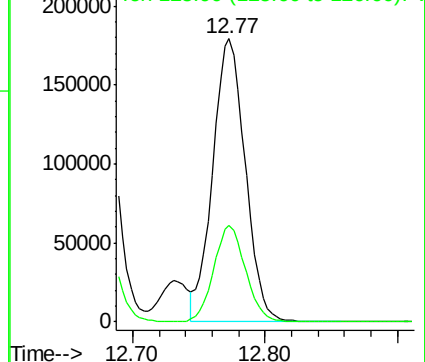
91 100

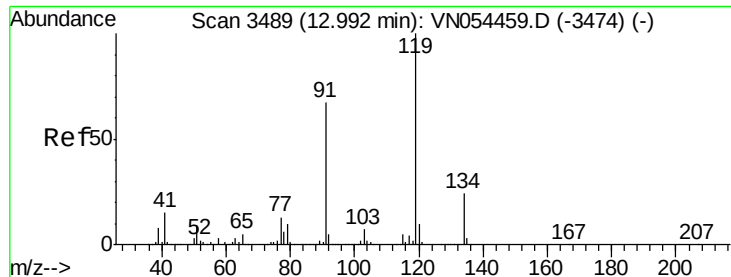
126 33.3 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

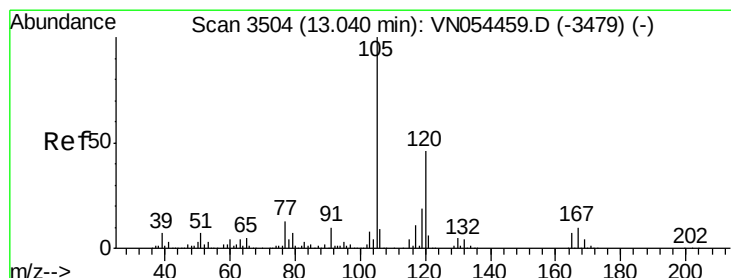
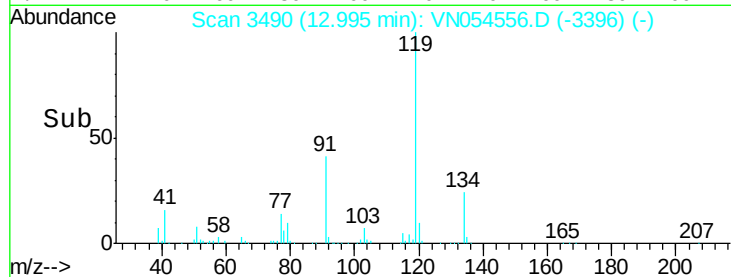
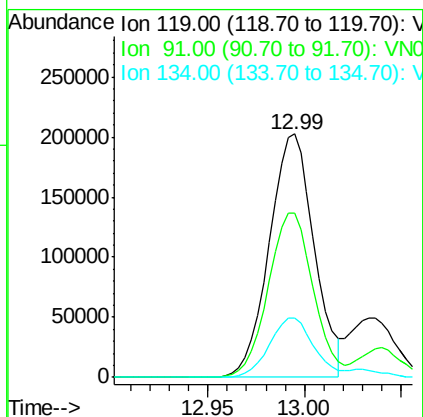
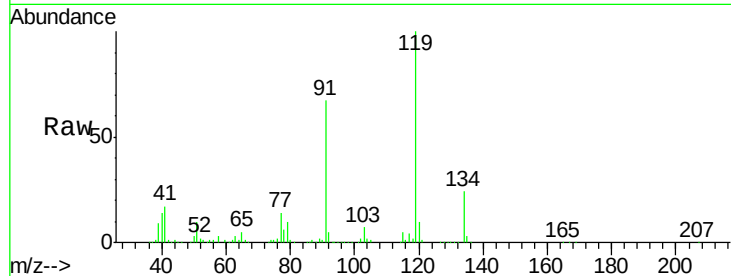




#83
 tert-Butylbenzene
 Concen: 21.122 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

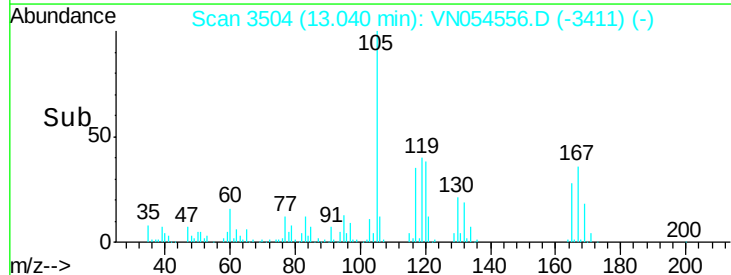
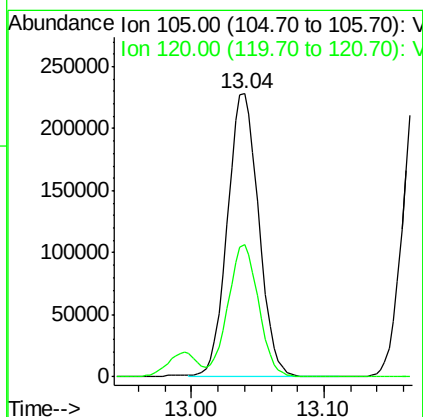
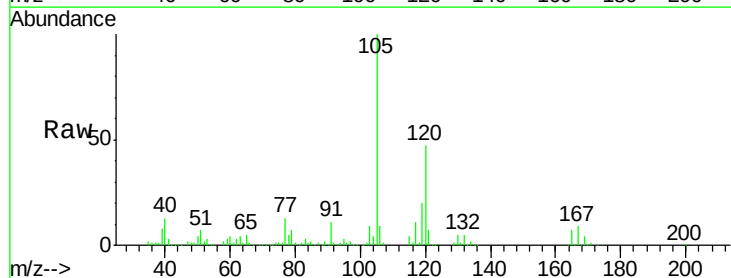
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBS01

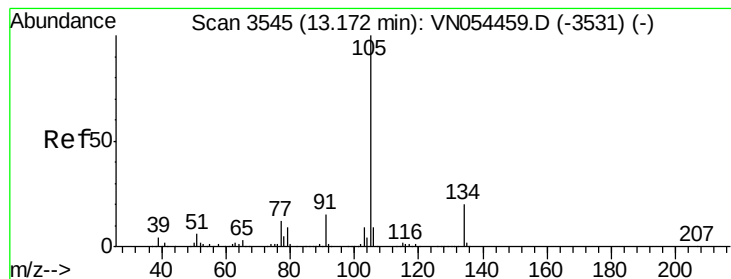
Tot Ion:119 Resp: 328080
 Ion Ratio Lower Upper
 119 100
 91 67.6 30.9 92.8
 134 24.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.299 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion:105 Resp: 372933
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.216 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

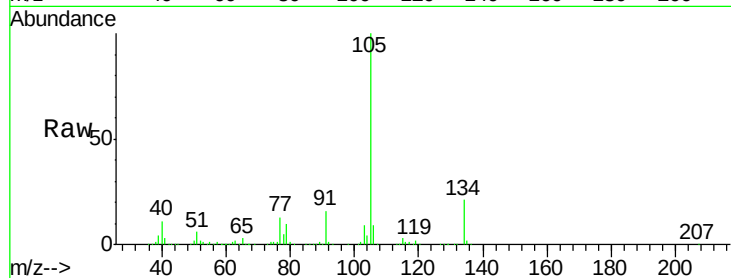
VN0322WBS01

Tot Ion:105 Resp: 410798

Ion Ratio Lower Upper

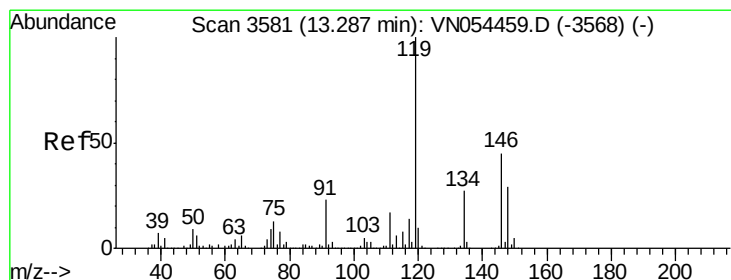
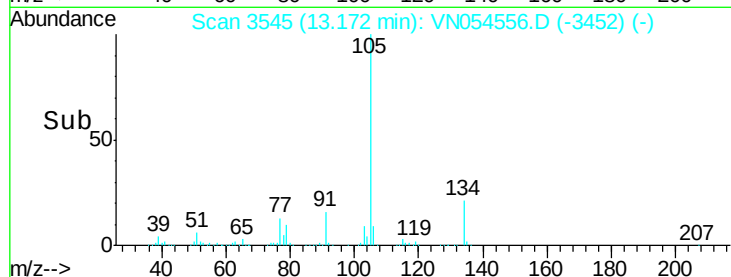
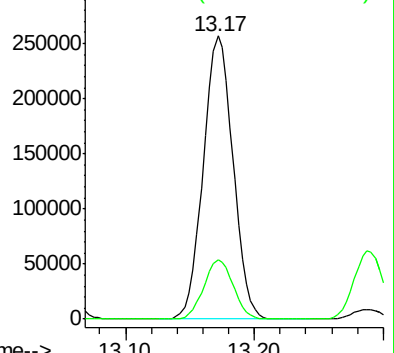
105 100

134 20.7 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.209 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

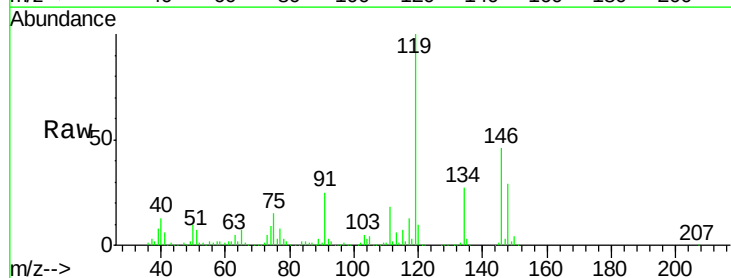
Tgt Ion:119 Resp: 367410

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

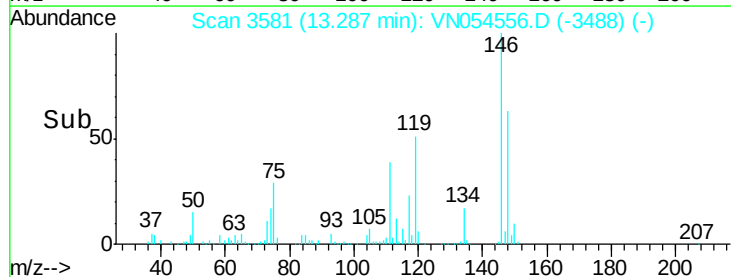
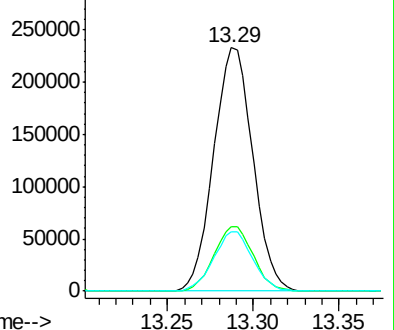
91 24.2 11.1 33.3

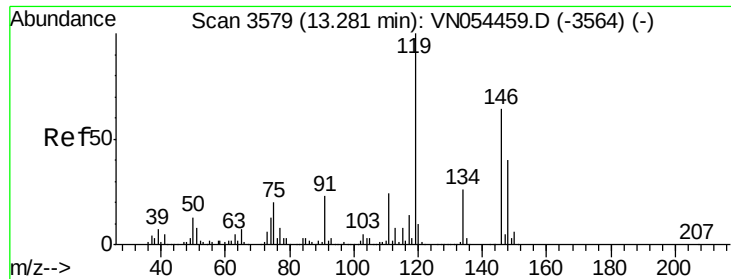


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

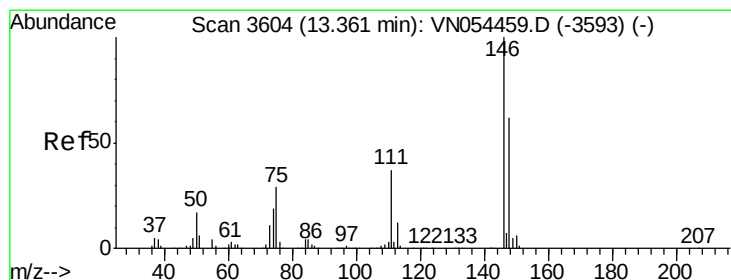
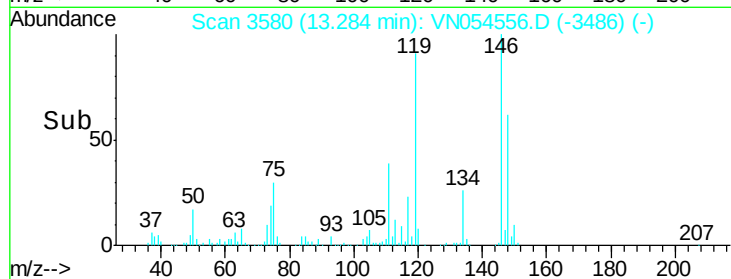
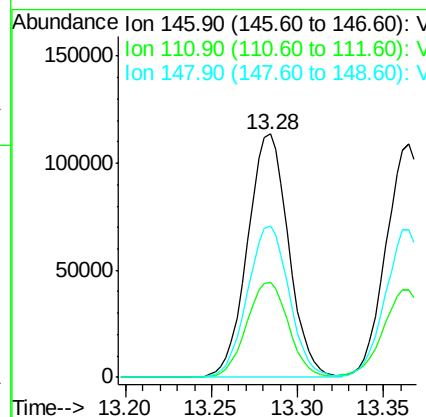
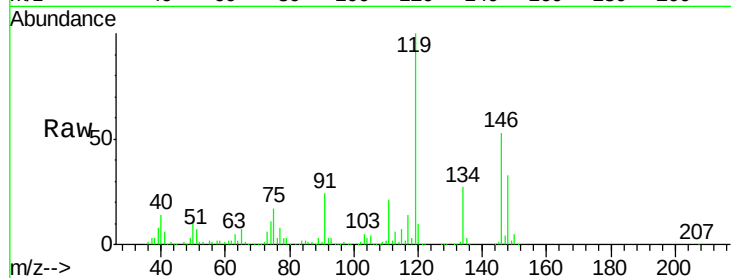




#87
 1,3-Dichlorobenzene
 Concen: 21.003 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

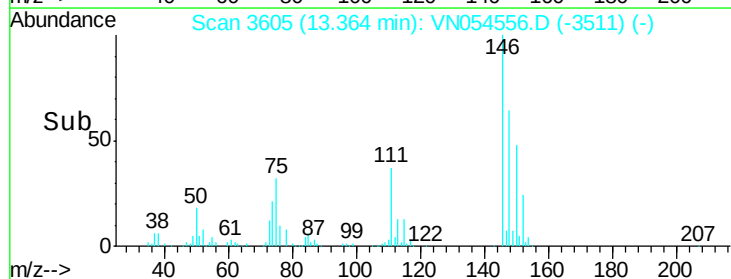
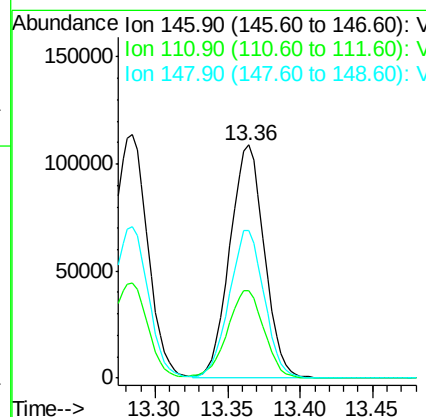
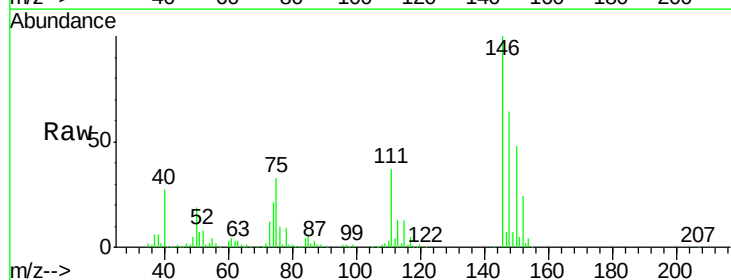
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBS01

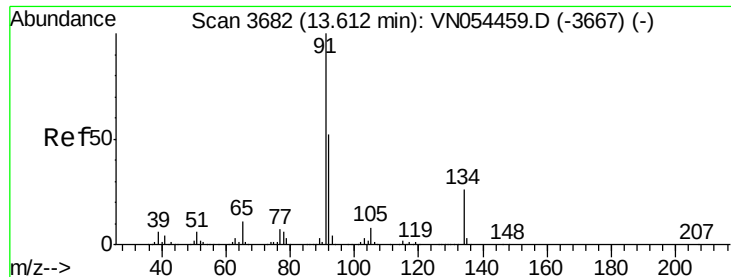
Tot Ion:146 Resp: 187949
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.8 56.3
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.651 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion:146 Resp: 179799
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.1 54.1
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 21.047 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

VN0322WBS01

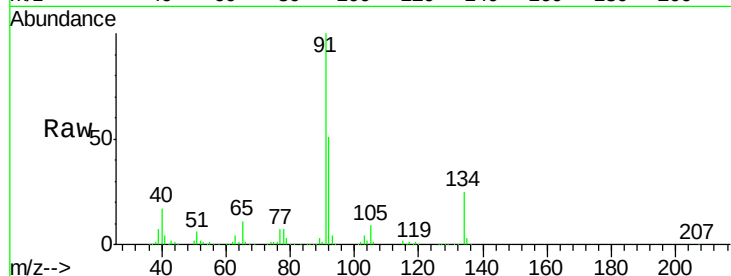
Tot Ion: 91 Resp: 285092

Ion Ratio Lower Upper

91 100

92 51.0 26.2 78.6

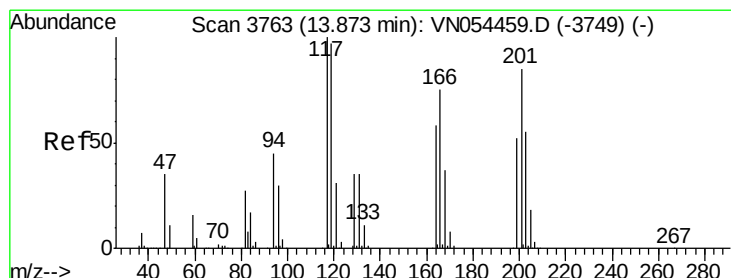
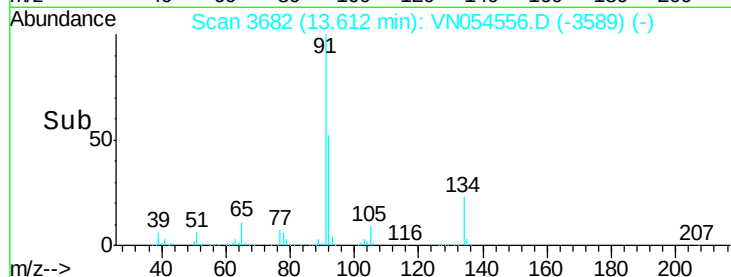
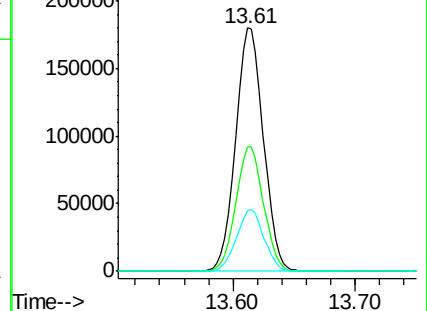
134 25.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.895 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054556.D

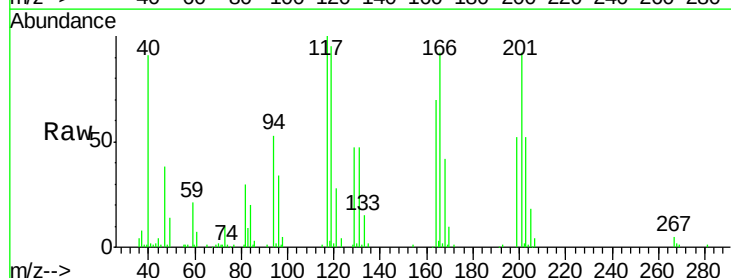
Acq: 22 Mar 2019 14:25

Tgt Ion: 117 Resp: 53497

Ion Ratio Lower Upper

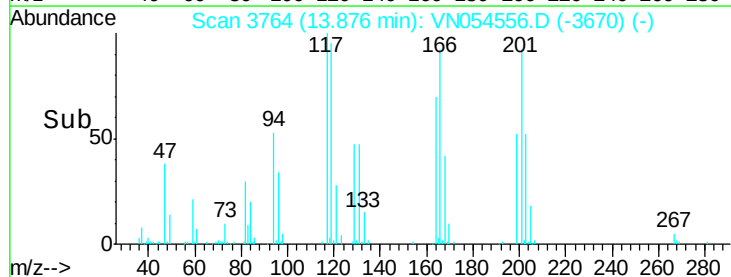
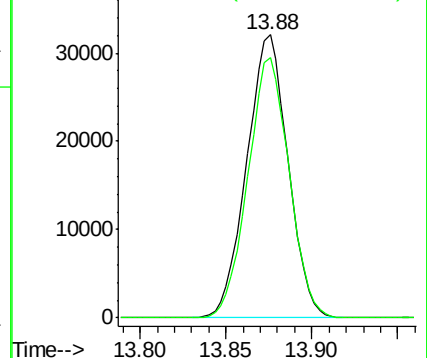
117 100

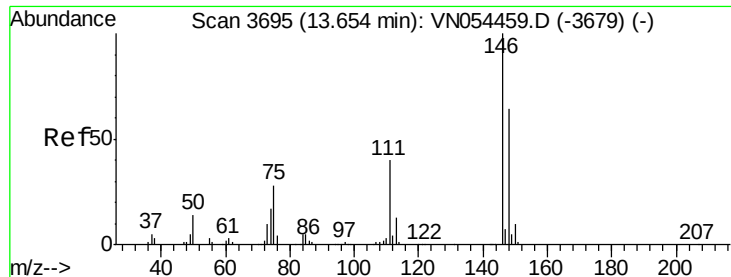
201 91.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

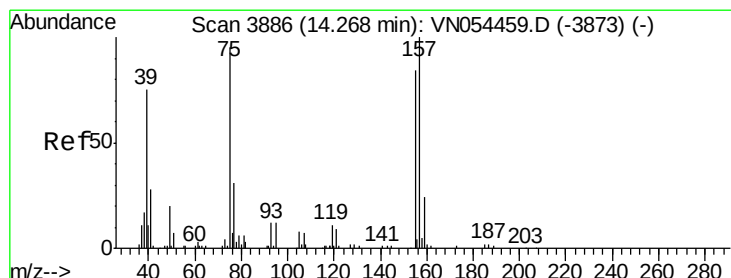
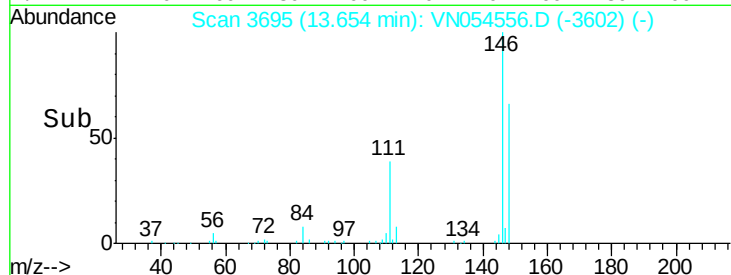
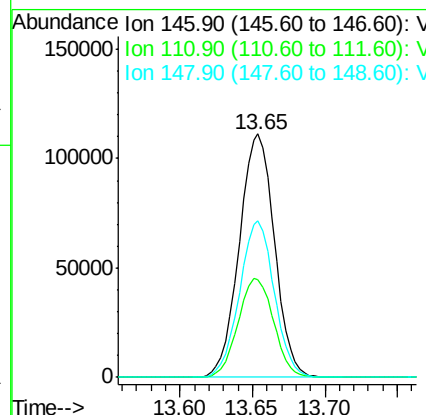
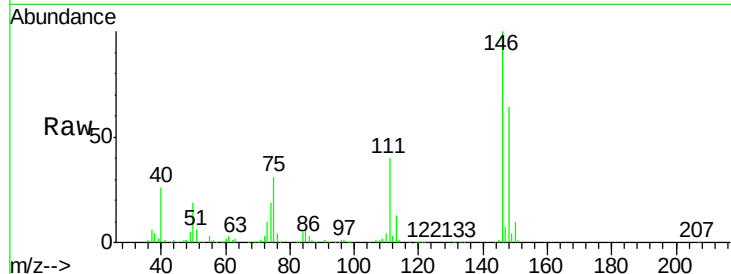




#91
 1,2-Dichlorobenzene
 Concen: 21.671 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

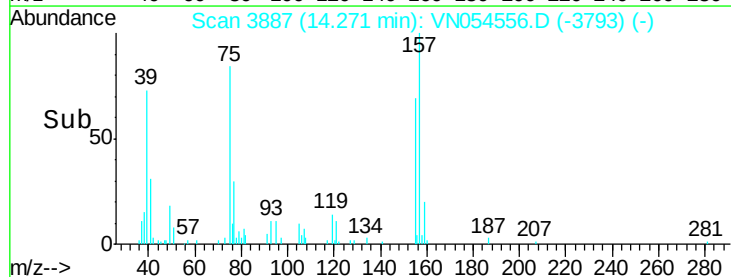
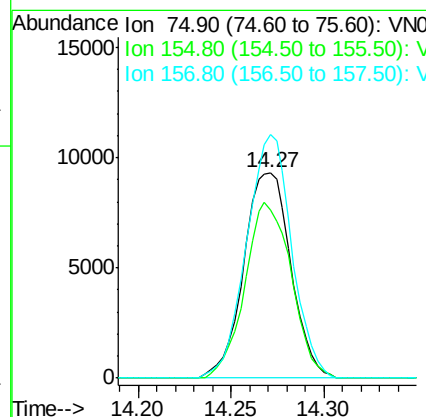
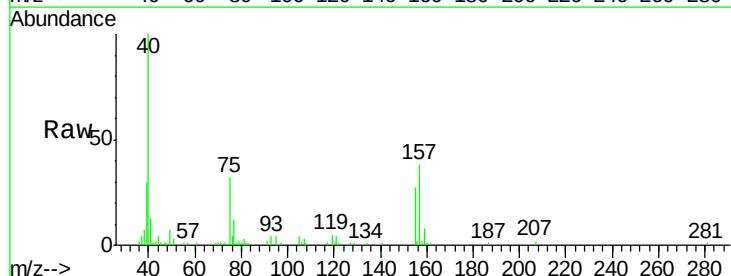
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBS01

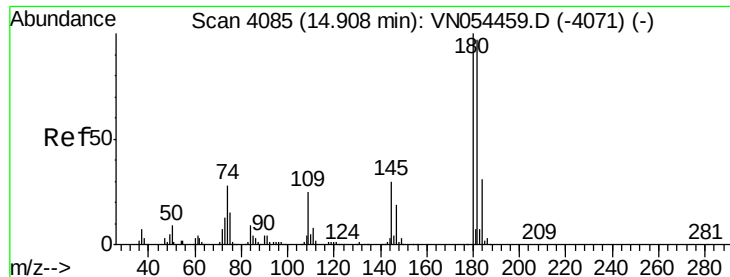
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	63.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.643 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	50.1	150.3
157	113.5	63.1	189.3

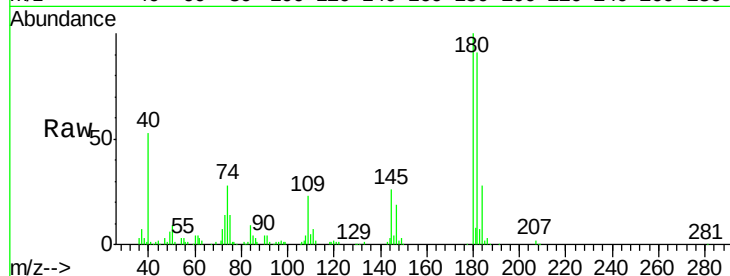




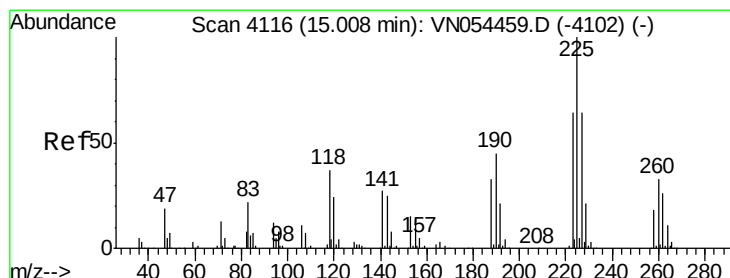
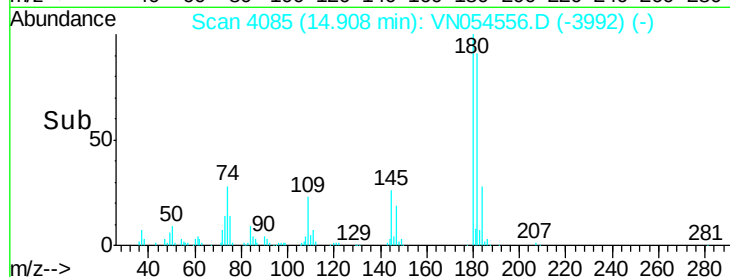
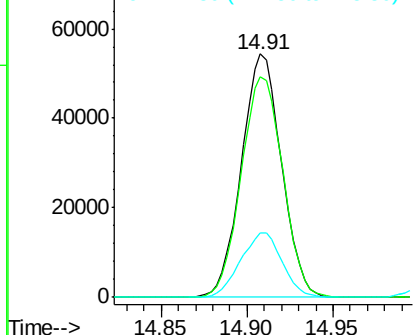
#93
 1,2,4-Trichlorobenzene
 Concen: 20.322 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

Tot Ion:180 Resp: 87805
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.0 144.2
 145 27.6 14.2 42.8

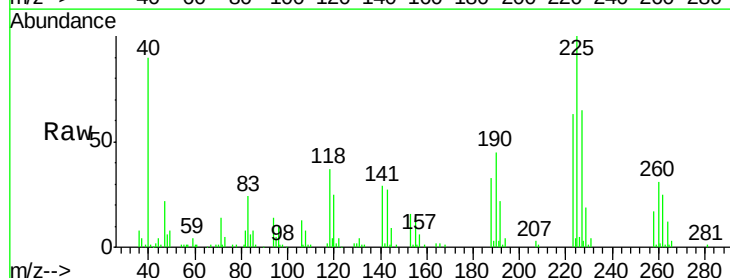


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

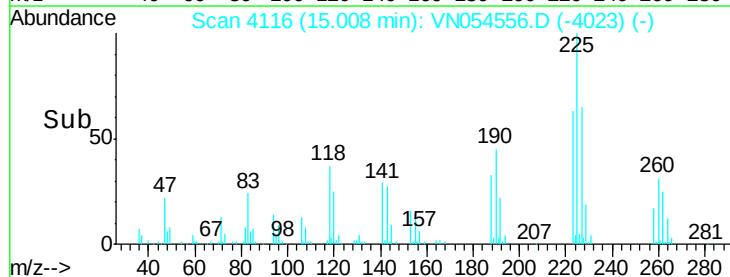
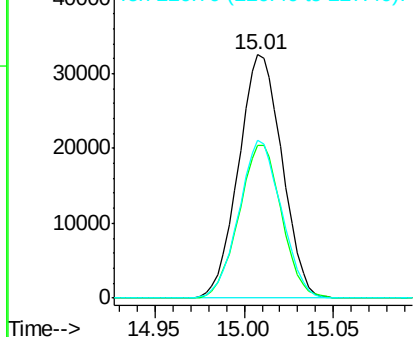


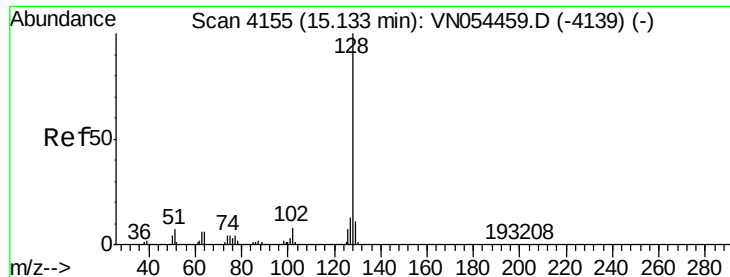
#94
 Hexachlorobutadiene
 Concen: 21.427 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054556.D
 Acq: 22 Mar 2019 14:25

Tgt Ion:225 Resp: 55455
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.5
 227 63.1 31.9 95.9



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: 20.980 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBS01

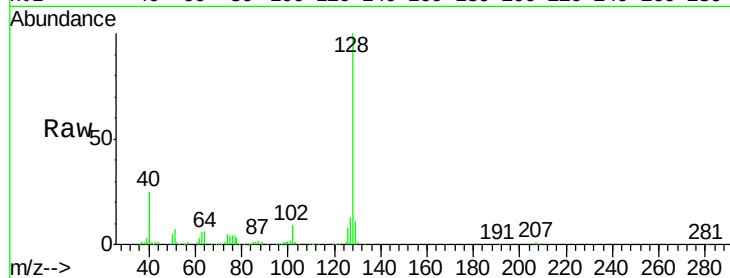
Tot Ion:128 Resp: 202198

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

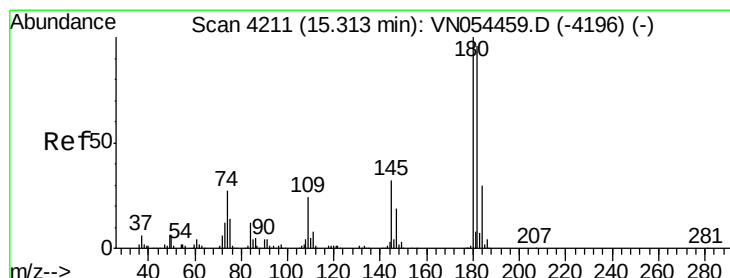
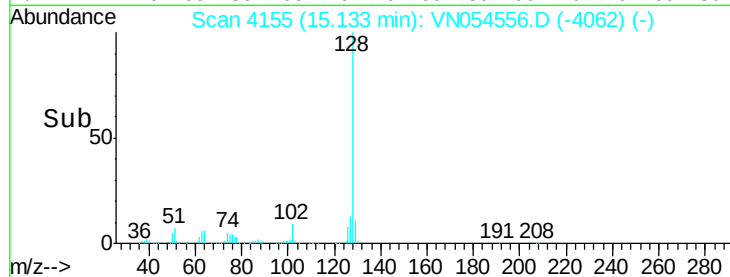
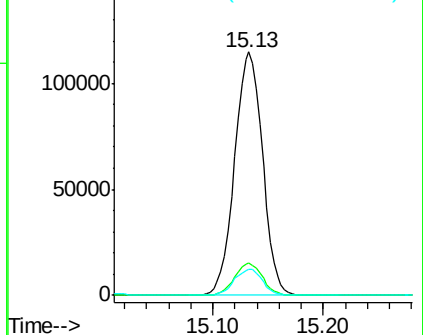
129 10.8 8.7 13.1



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: 20.295 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054556.D

Acq: 22 Mar 2019 14:25

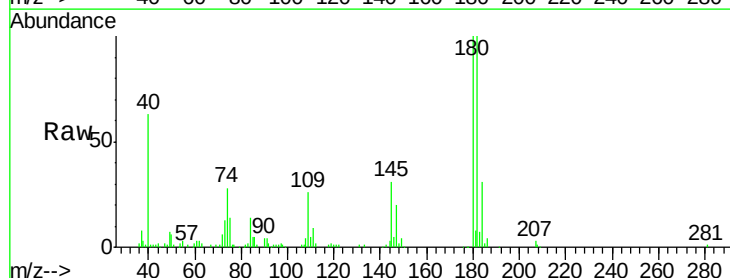
Tgt Ion:180 Resp: 87276

Ion Ratio Lower Upper

180 100

182 98.4 47.5 142.6

145 30.7 14.8 44.3



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

