

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053543.D
 Acq On : 28 Jan 2019 14:08
 Operator : JC/SP
 Sample : K1256-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 50138

Quant Time: Jan 29 06:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	880728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1359488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1235528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	522529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	445801	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	422475	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.09	98	1643438	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	563126	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

					Qvalue
3) Chloromethane	2.06	50	3962	0.391	ug/l 98
10) Methyl Iodide	3.96	142	17094	1.384	ug/l 98
11) Tert butyl alcohol	4.78	59	193949	455.322	ug/l 99
13) Acrolein	3.61	56	1918	24.835	ug/l # 14
14) Allyl chloride	4.26	41	5012	0.394	ug/l # 32
16) Acetone	3.81	43	10571301	5175.962	ug/l 99
17) Carbon Disulfide	4.06	76	14548	0.614	ug/l 98
18) Methyl Acetate	4.32	43	234170	34.031	ug/l 100
20) Methylene Chloride	4.56	84	29329	3.145	ug/l 99
25) 2-Butanone	6.83	43	598406	190.131	ug/l 98
29) Tetrahydrofuran	7.23	42	226069	110.335	ug/l # 33
31) Cyclohexane	7.67	56	13813	0.682	ug/l # 1
36) 1,1-Dichloropropene	7.67	75	54326	4.388	ug/l # 49
37) Ethyl Acetate	6.83	43	598406	84.008	ug/l # 68
38) Carbon Tetrachloride	7.67	117	71932	6.137	ug/l # 16
41) Methacrylonitrile	7.23	41	70536	17.110	ug/l # 43
43) Isopropyl Acetate	8.29	43	925668	72.271	ug/l # 51
48) Methyl methacrylate	9.17	41	110391	16.692	ug/l # 35
49) 1,4-Dioxane	9.20	88	2498	38.677	ug/l # 23
51) 4-Methyl-2-Pentanone	9.99	43	65939	9.431	ug/l 96
52) Toluene	10.16	92	1610207	68.937	ug/l 100
53) t-1,3-Dichloropropene	10.16	75	16595	1.360	ug/l # 1
56) Ethyl methacrylate	10.37	69	6389	2.594	ug/l # 28
59) 2-Hexanone	10.75	43	103610	21.109	ug/l 92
67) Ethyl Benzene	11.51	91	118141	2.651	ug/l 100
68) m/p-Xylenes	11.62	106	345593	20.537	ug/l 99
69) o-Xylene	11.95	106	676103	41.349	ug/l 100
70) Styrene	11.96	104	64635	2.436	ug/l # 1
71) Bromoform	12.40	173	3843	0.614	ug/l # 1
73) Isopropylbenzene	12.25	105	333088	8.705	ug/l 100
74) N-amyl acetate	12.03	43	178932	17.541	ug/l # 41
75) 1,1,2,2-Tetrachloroethane	12.56	83	31259	3.895	ug/l # 40
76) 1,2,3-Trichloropropane	12.59	75	11715	1.701	ug/l # 100
78) n-propylbenzene	12.59	91	2466607	56.157	ug/l 99

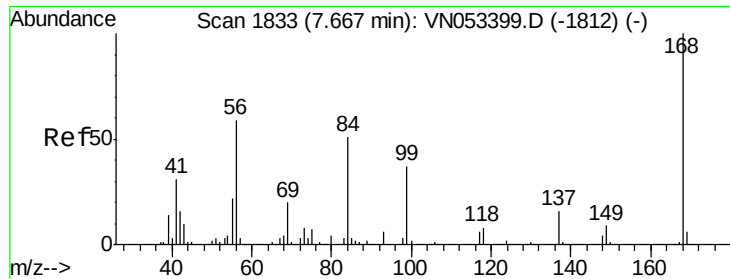
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053543.D
 Acq On : 28 Jan 2019 14:08
 Operator : JC/SP
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.66	91	975715	37.476	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	4406774	141.545	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	257479	92.369	ug/l #	15
82) 4-Chlorotoluene	12.73	91	429318	16.170	ug/l #	39
83) tert-Butylbenzene	13.04	119	2878667	104.687	ug/l #	69
84) 1,2,4-Trimethylbenzene	12.89	105	5977646	190.419	ug/l	77
85) sec-Butylbenzene	13.17	105	357232	9.473	ug/l #	28
86) p-Isopropyltoluene	13.29	119	519796	15.874	ug/l	99
89) n-Butylbenzene	13.58	91	49816	1.785	ug/l #	1
90) Hexachloroethane	13.89	117	46374	9.030	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1533	1.507	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	4402	3.344	ug/l #	82
95) Naphthalene	15.13	128	68834	8.959	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5741	4.909	ug/l #	77

(#) = 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: VN053543.D

Acq: 28 Jan 2019 14:08

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MSVOA_N

ClientSampleId :

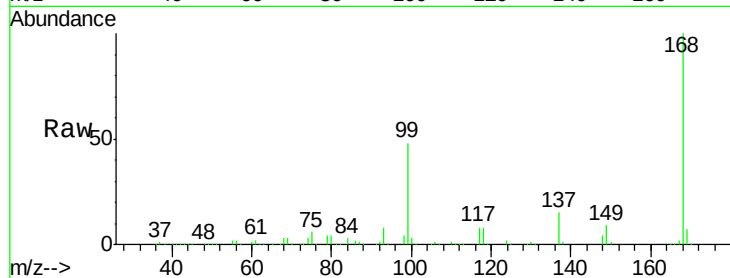
50138

Tot Ion:168 Resp: 880728

Ion Ratio Lower Upper

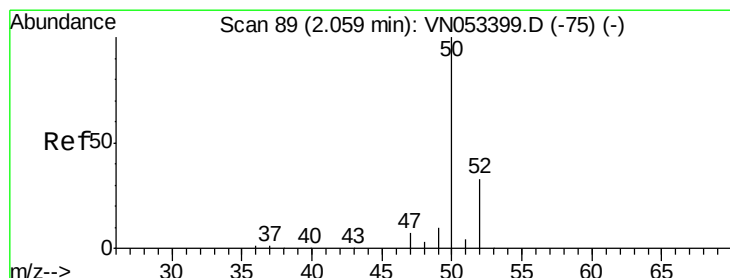
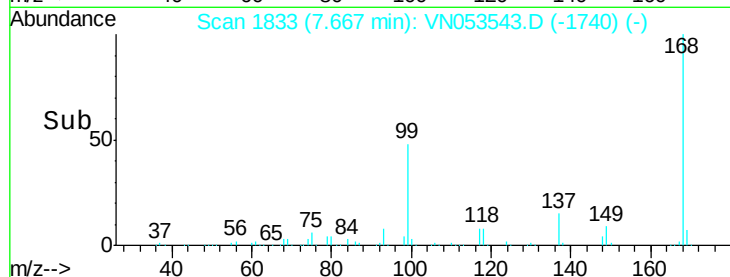
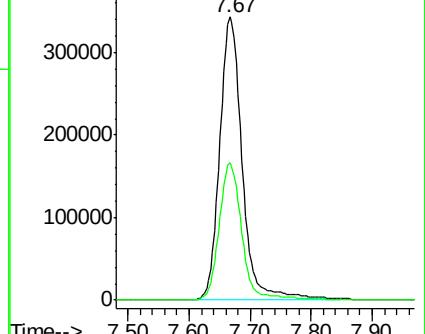
168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.391 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053543.D

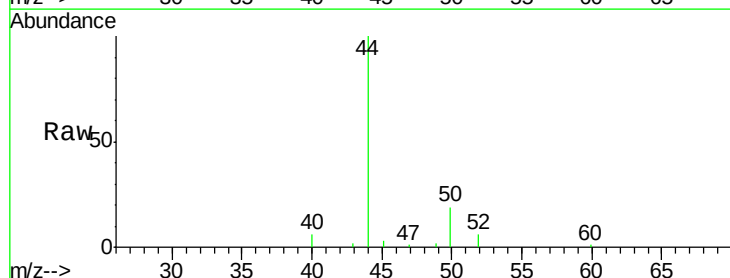
Acq: 28 Jan 2019 14:08

Tgt Ion: 50 Resp: 3962

Ion Ratio Lower Upper

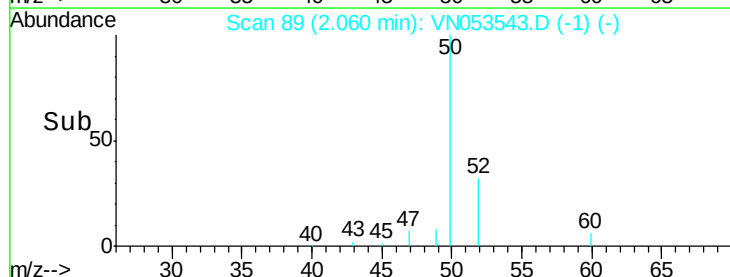
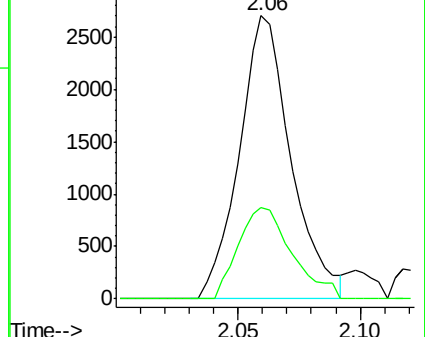
50 100

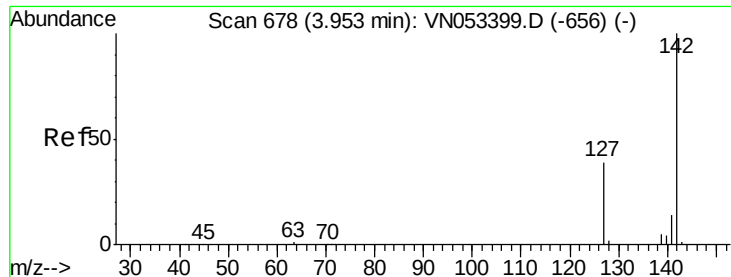
52 32.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

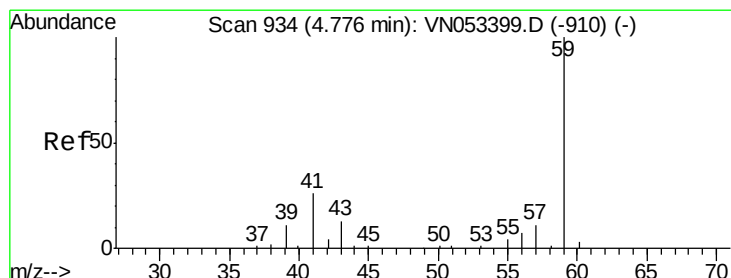
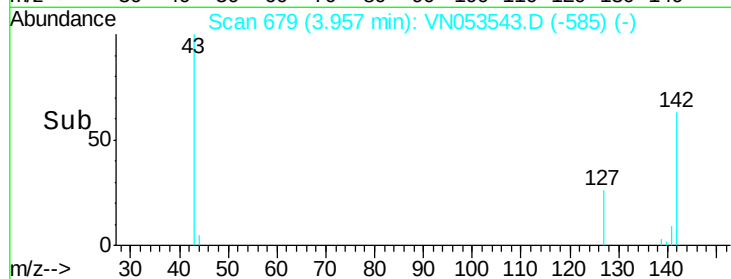
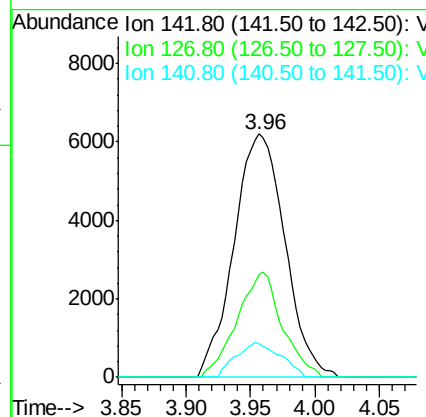
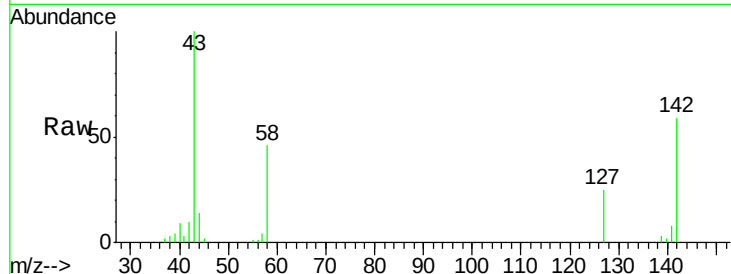




#10
Methvl Iodide
Concen: 1.384 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

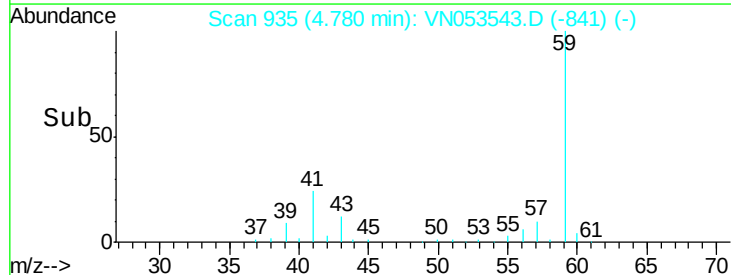
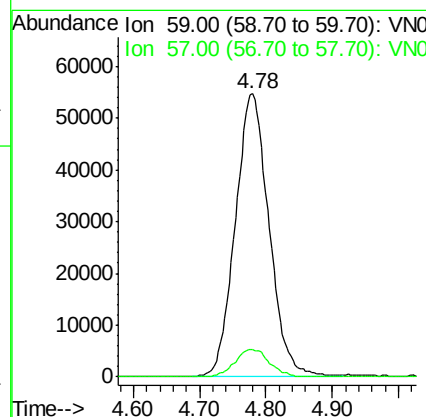
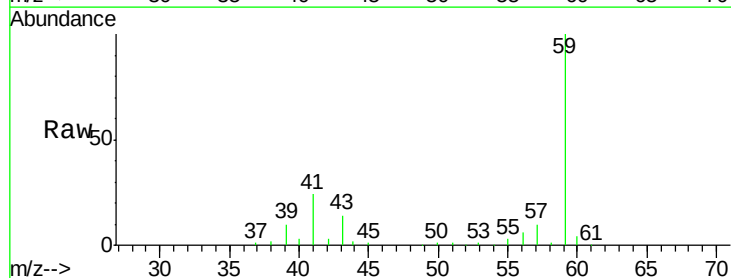
Instrument :
MSVOA_N
ClientSampled :
50138

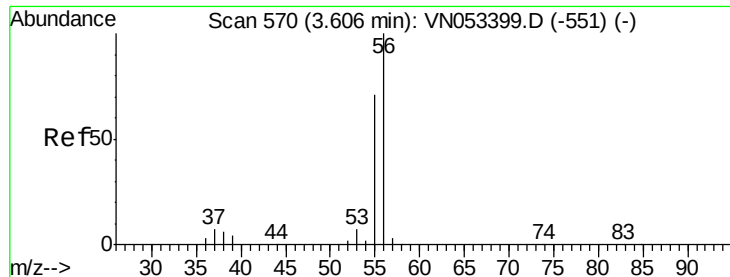
Tot Ion:142 Resp: 17094
Ion Ratio Lower Upper
142 100
127 38.2 31.0 46.4
141 12.4 11.1 16.7



#11
Tert butyl alcohol
Concen: 455.322 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 59 Resp: 193949
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4





#13

Acrolein

Concen: 24.835 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

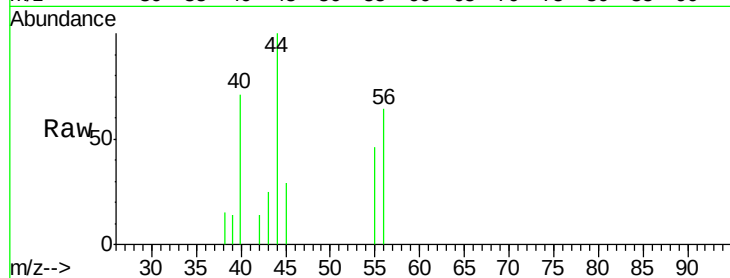
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Tot Ion: 56 Resp: 1918

Ion Ratio Lower Upper

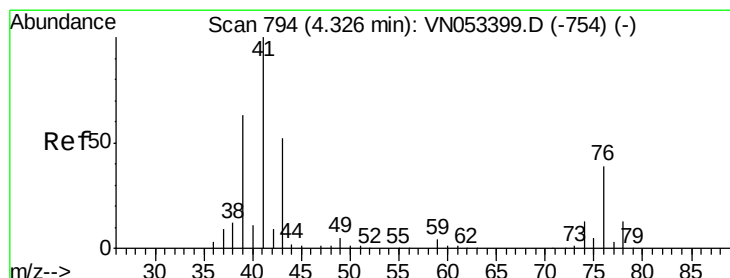
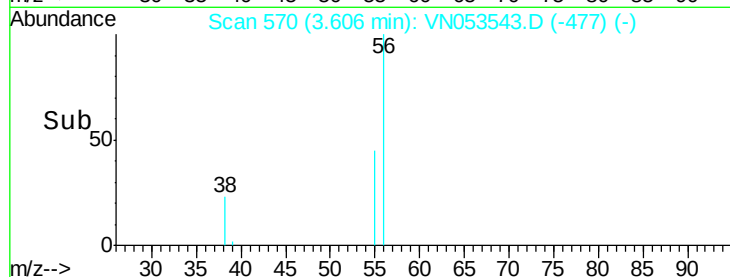
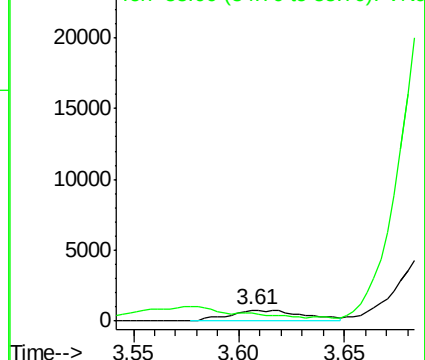
56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.394 ug/l

RT: 4.26 min Scan# 773

Delta R.T. -0.07 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

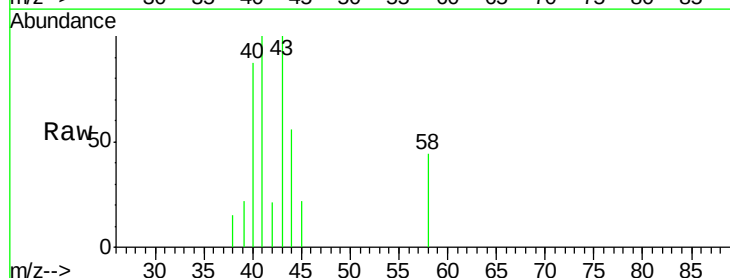
Tgt Ion: 41 Resp: 5012

Ion Ratio Lower Upper

41 100

39 6.2 48.9 73.3#

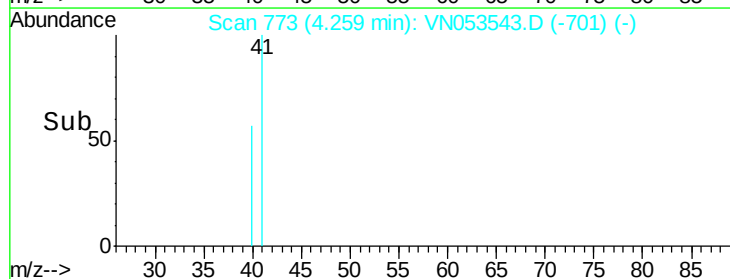
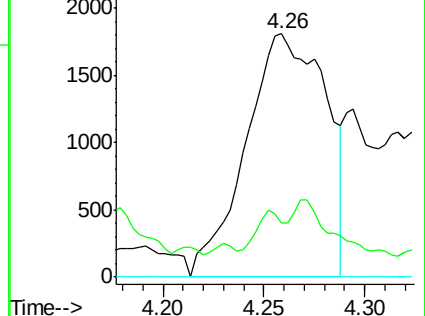
76 0.0 29.4 44.2#

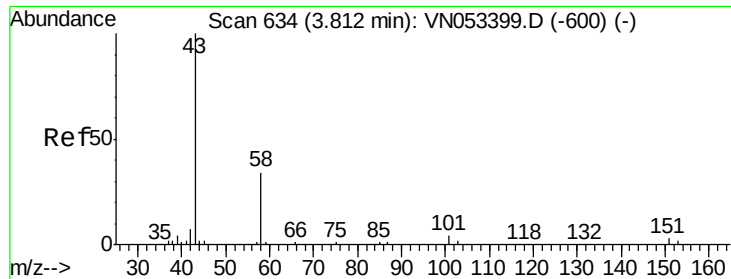


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 5175.962 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

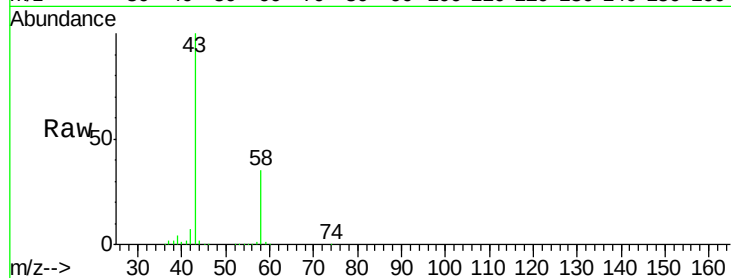
50138

Tot Ion: 43 Resp:10571301

Ion Ratio Lower Upper

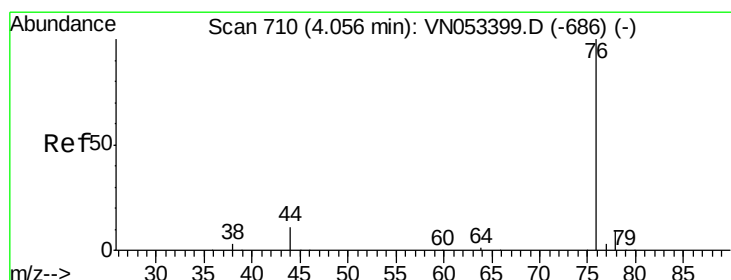
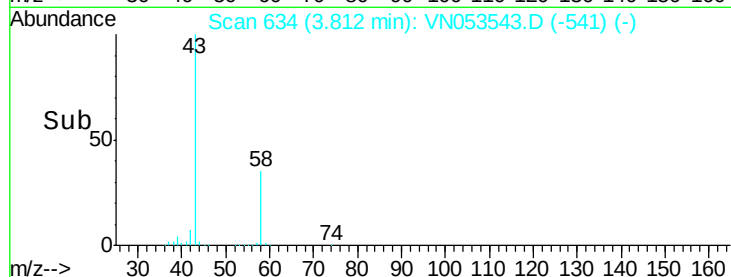
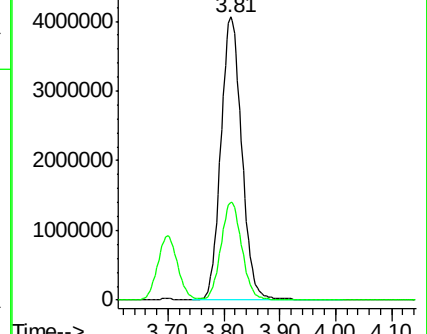
43 100

58 34.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.614 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053543.D

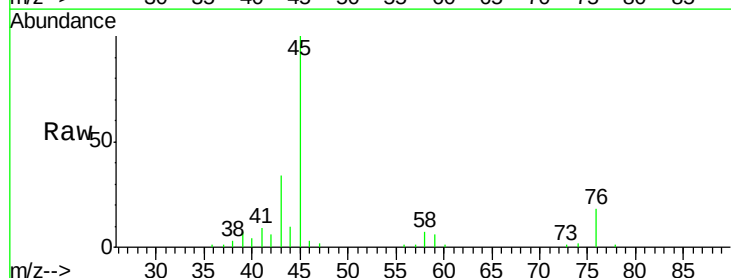
Acq: 28 Jan 2019 14:08

Tgt Ion: 76 Resp: 14548

Ion Ratio Lower Upper

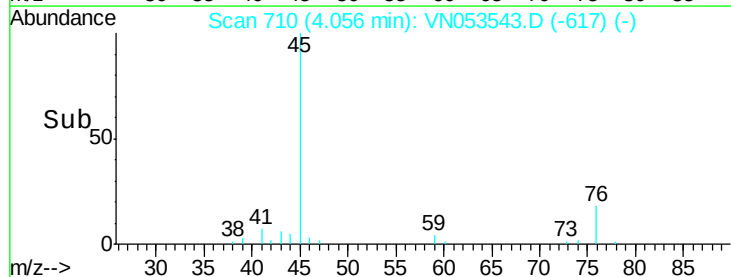
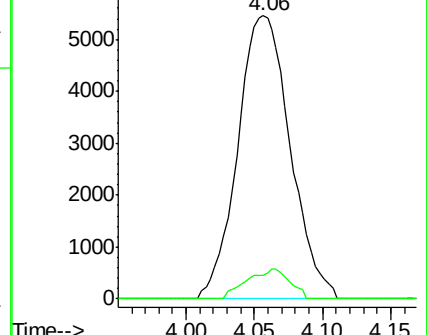
76 100

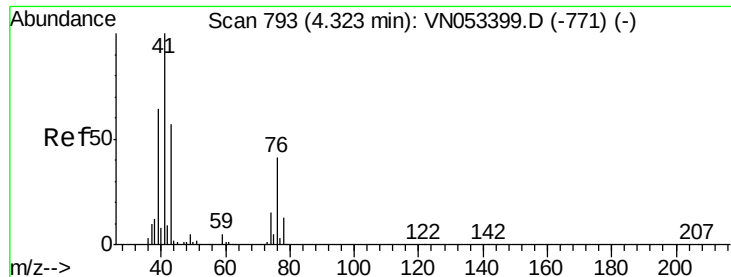
78 8.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

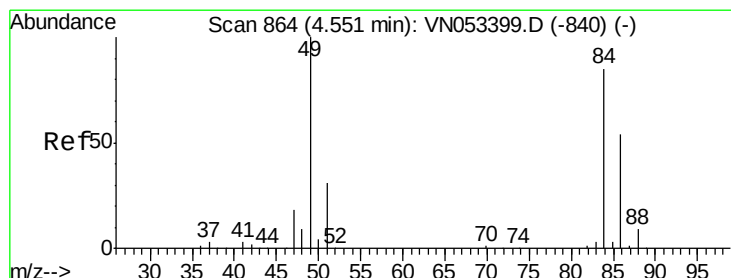
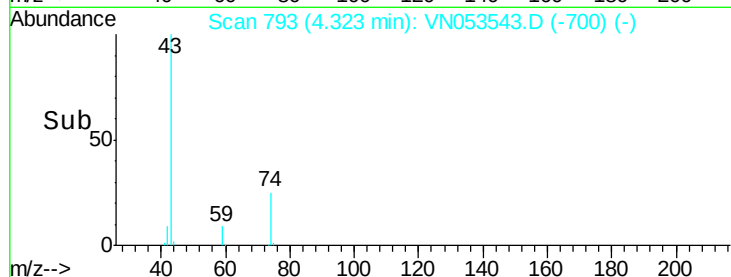
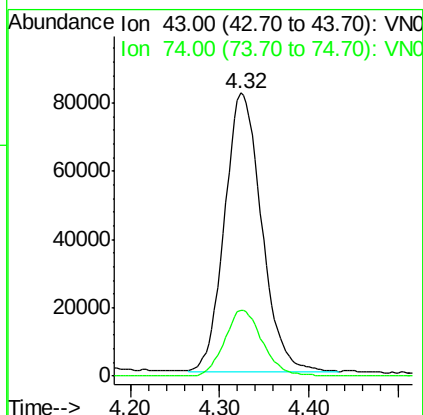
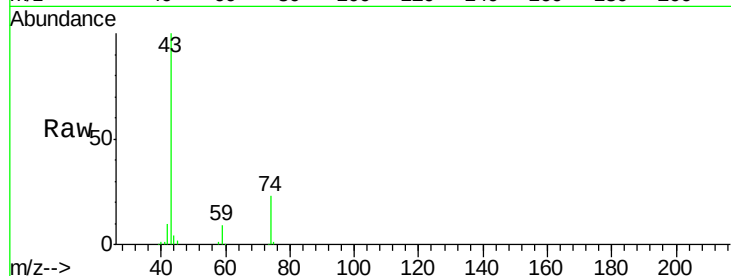




#18
Methvl Acetate
Concen: 34.031 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

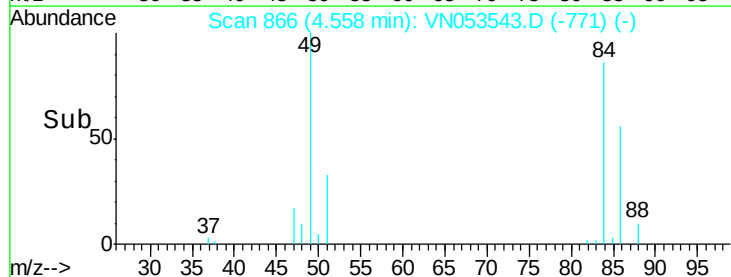
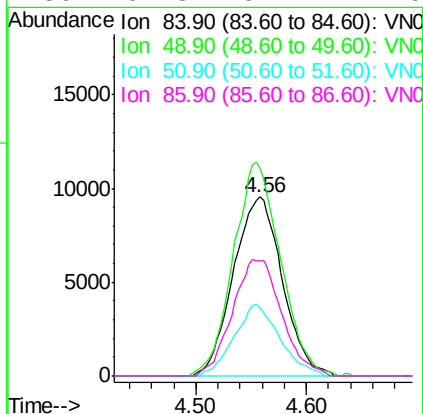
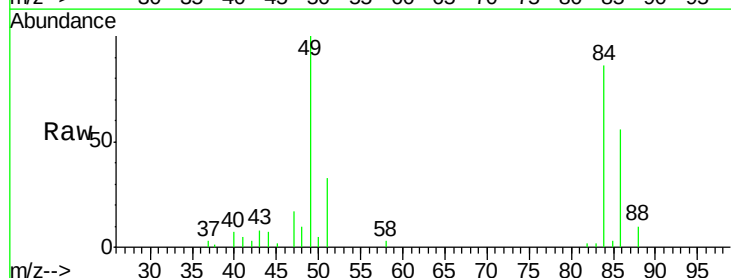
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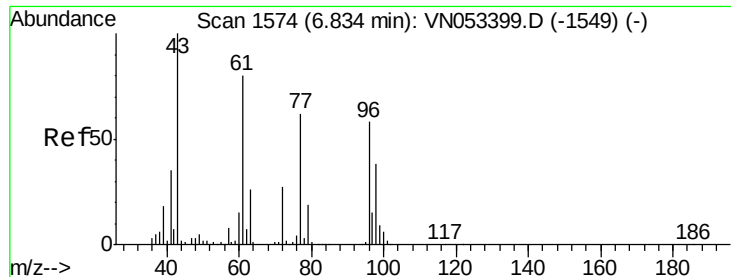
Tot Ion: 43 Resp: 234170
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



#20
Methylene Chloride
Concen: 3.145 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 84 Resp: 29329
Ion Ratio Lower Upper
84 100
49 115.7 94.3 141.5
51 38.1 29.4 44.2
86 64.3 51.4 77.0

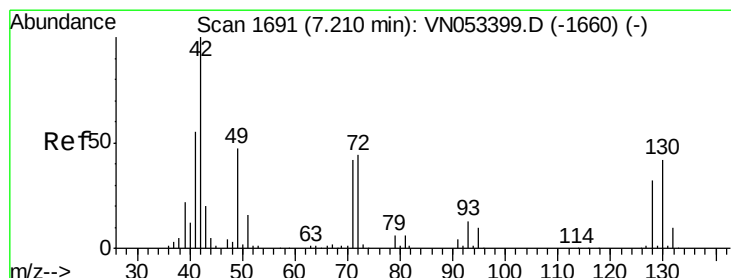
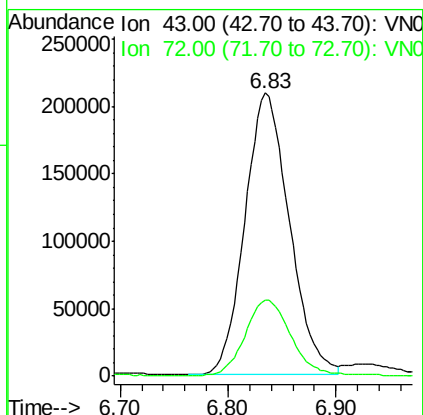
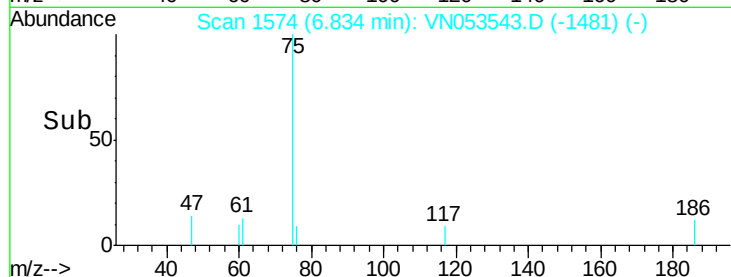
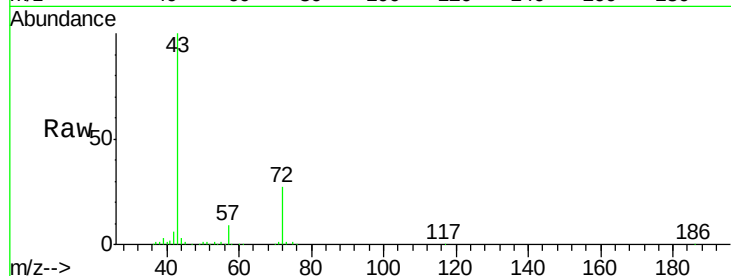




#25
2-Butanone
Concen: 190.131 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

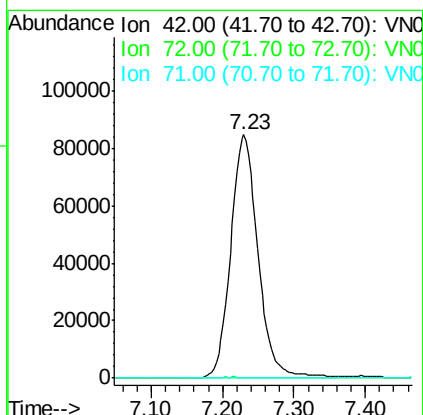
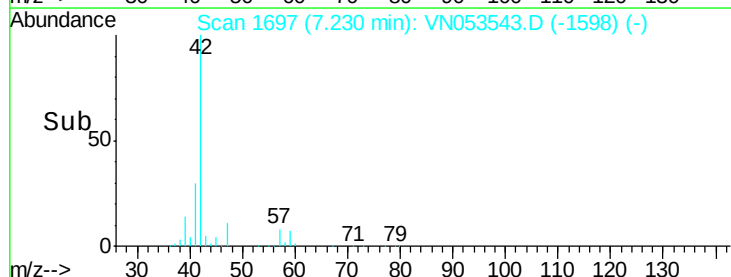
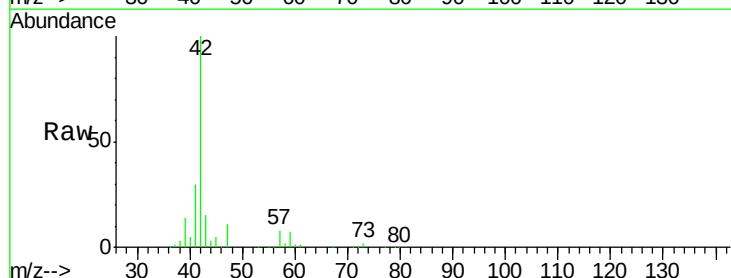
Instrument :
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ClientSampleId :
50138

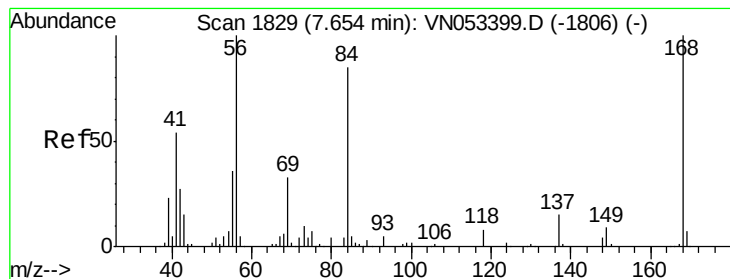
Tot Ion: 43 Resp: 598406
Ion Ratio Lower Upper
43 100
72 26.7 22.0 33.0



#29
Tetrahydrofuran
Concen: 110.335 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 42 Resp: 226069
Ion Ratio Lower Upper
42 100
72 0.1 35.2 52.8#
71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.682 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

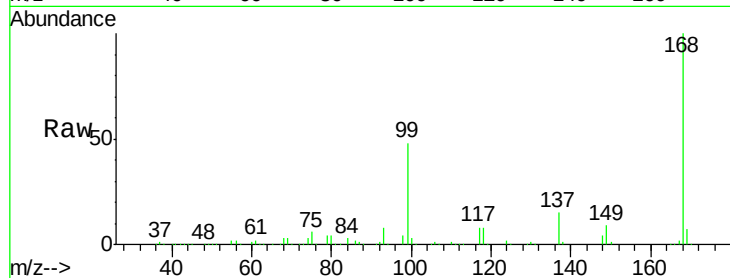
Tot Ion: 56 Resp: 13813

Ion Ratio Lower Upper

56 100

69 184.8 26.4 39.6#

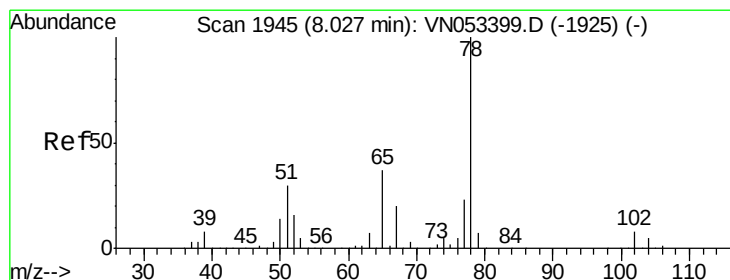
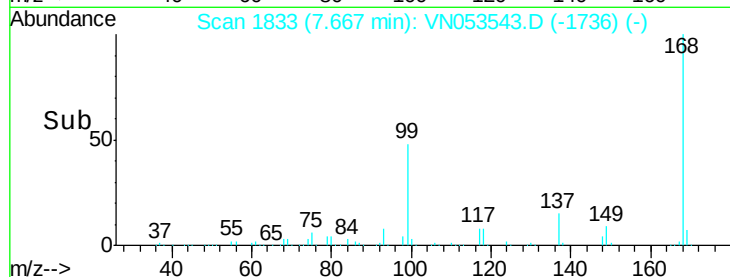
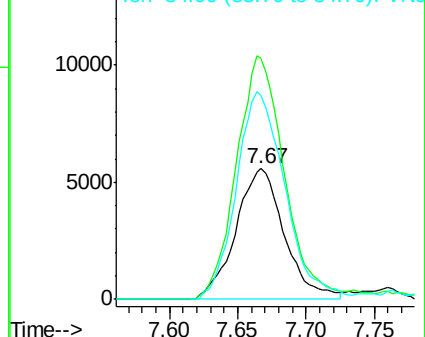
84 156.1 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053543.D

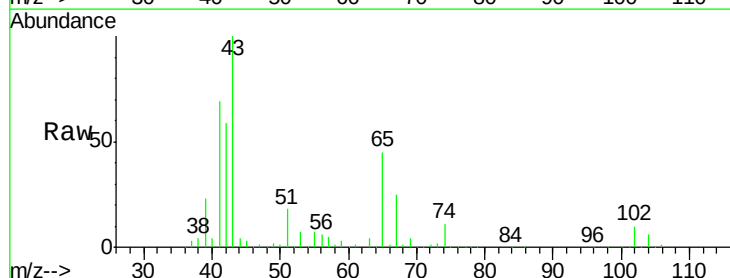
Acq: 28 Jan 2019 14:08

Tgt Ion: 65 Resp: 445801

Ion Ratio Lower Upper

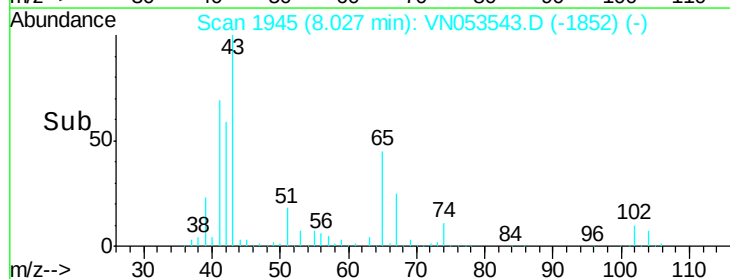
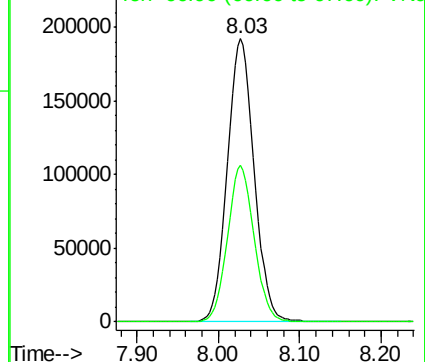
65 100

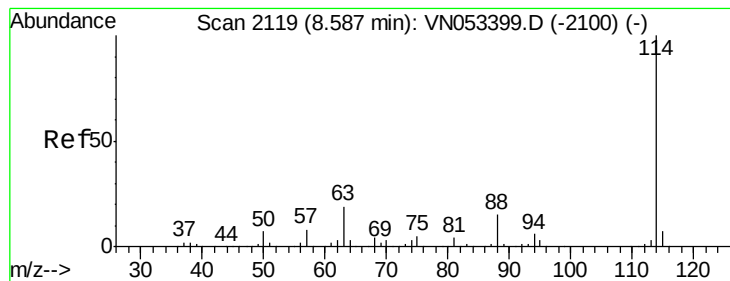
67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

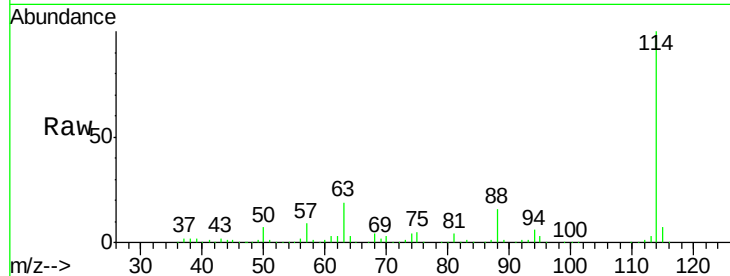
Tot Ion:114 Resp: 1359488

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

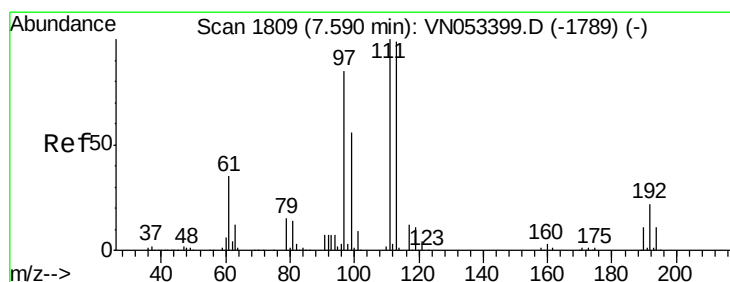
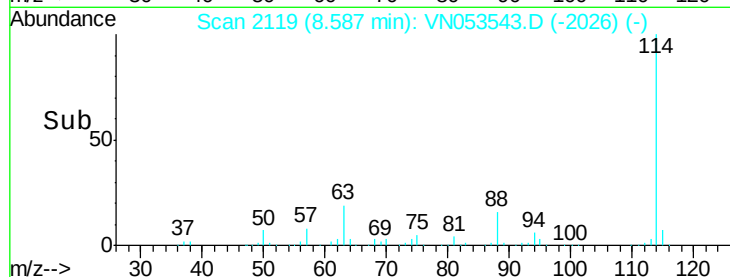
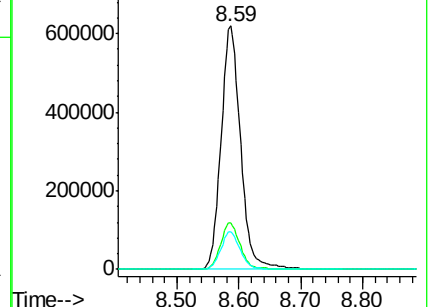
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

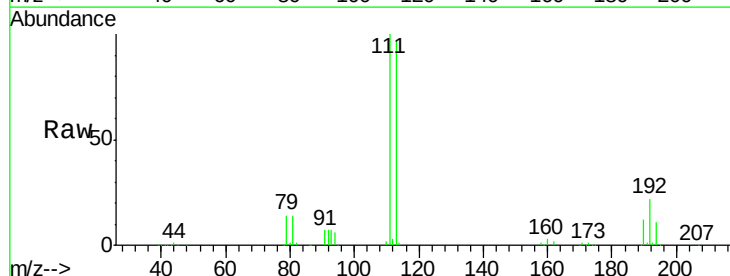
Tgt Ion:113 Resp: 422475

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

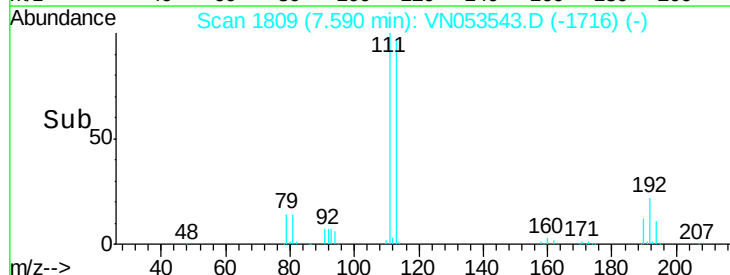
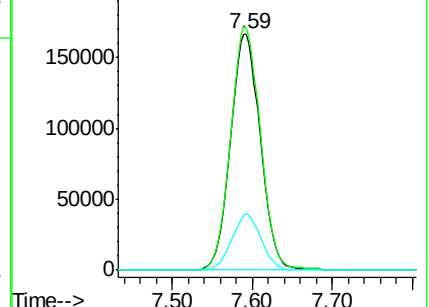
192 23.1 18.2 27.2

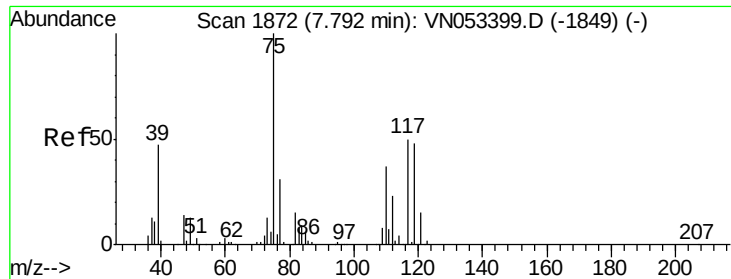


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

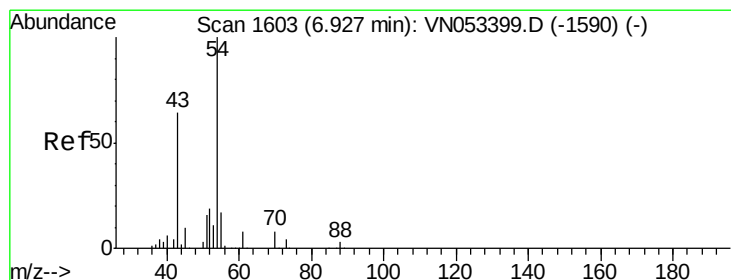
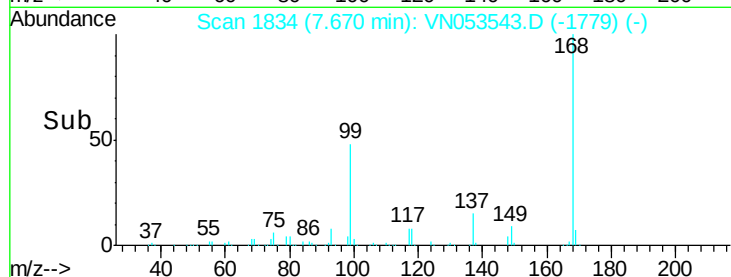
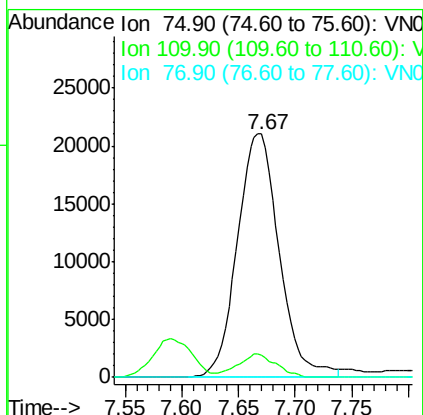
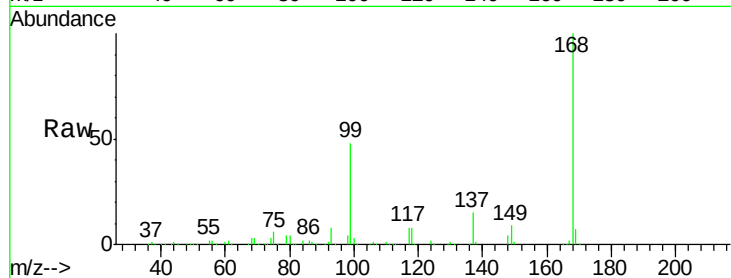




#36
 1,1-Dichloropropene
 Concen: 4.388 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

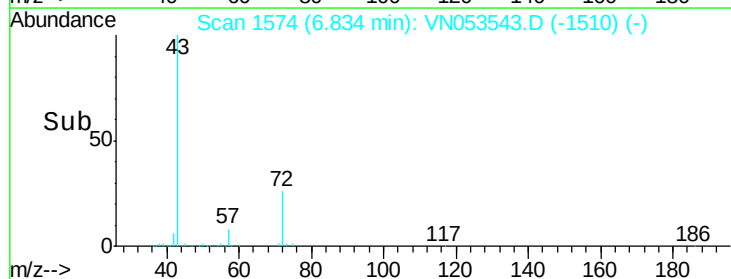
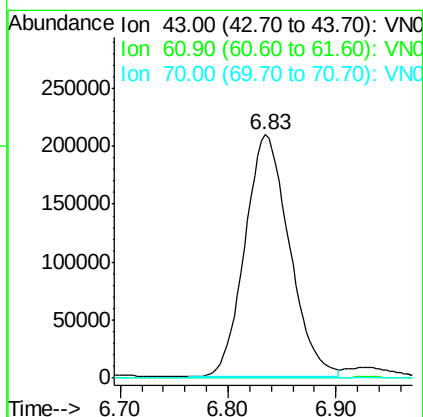
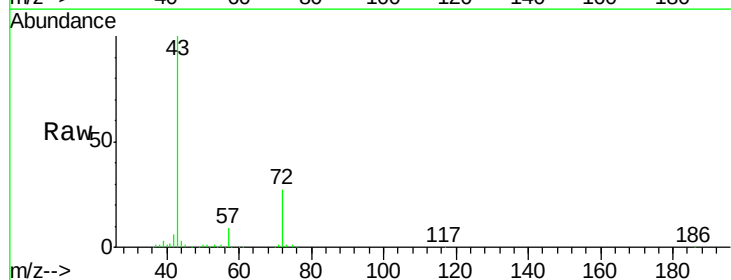
Instrument :
 MSVOA_N
 ClientSampled :
 50138

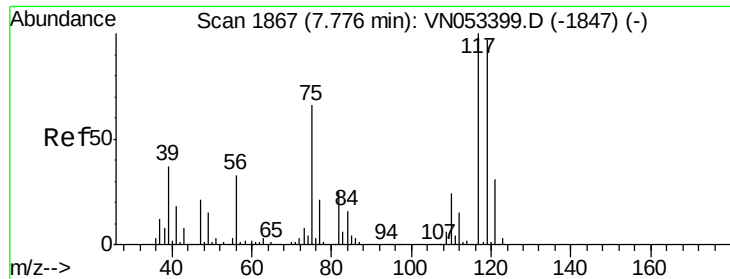
Tot Ion: 75 Resp: 54326
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 84.008 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.09 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Tgt Ion: 43 Resp: 598406
 Ion Ratio Lower Upper
 43 100
 61 0.1 11.8 17.6#
 70 0.1 8.6 12.8#





#38

Carbon Tetrachloride

Concen: 6.137 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

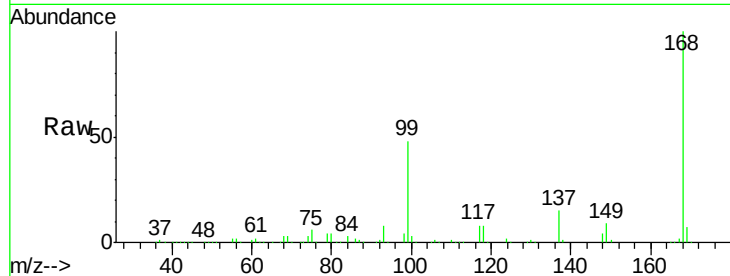
Tot Ion:117 Resp: 71932

Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

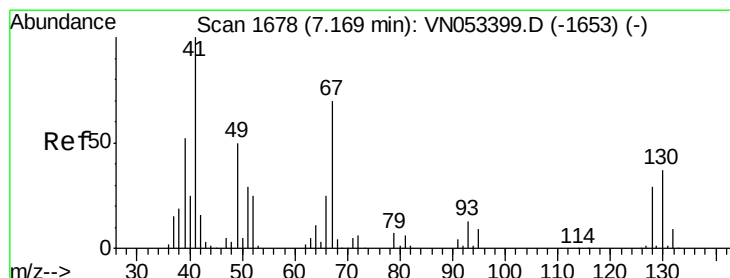
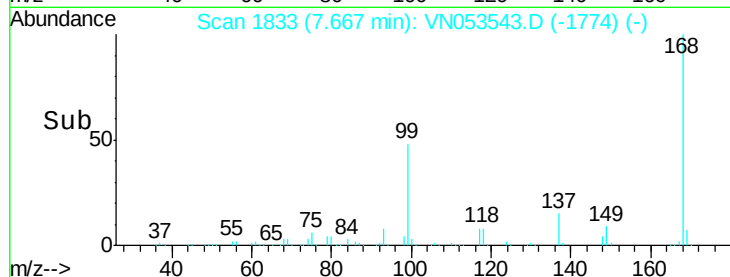
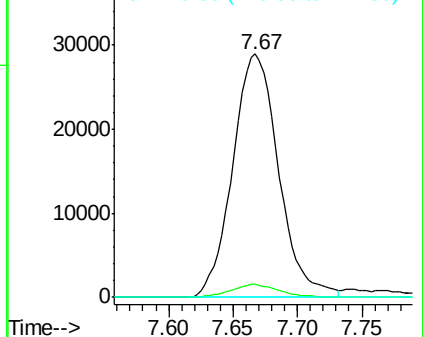
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 17.110 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.06 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Tgt Ion: 41 Resp: 70536

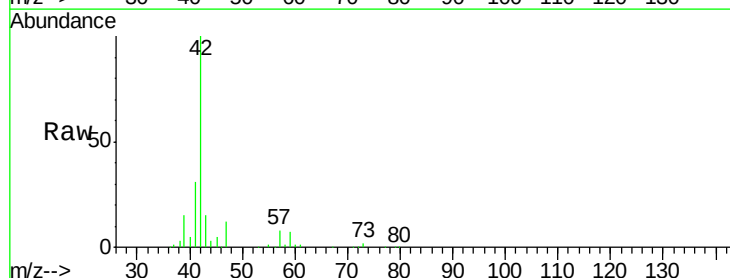
Ion Ratio Lower Upper

41 100

39 46.2 46.8 70.2#

67 1.2 63.0 94.6#

52 0.0 23.8 35.8#

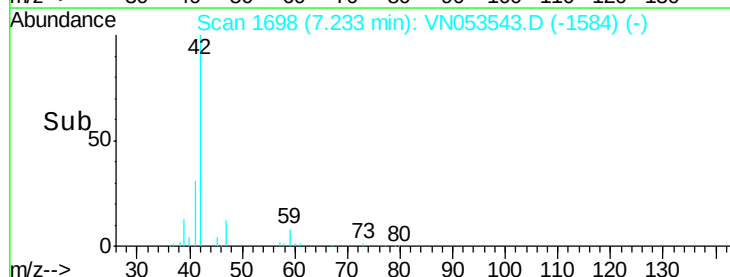
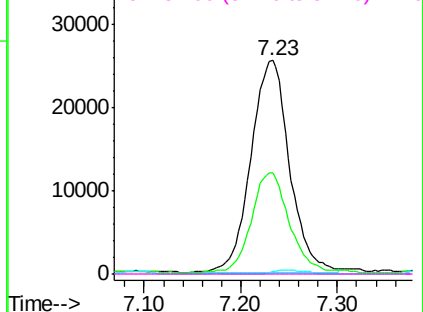


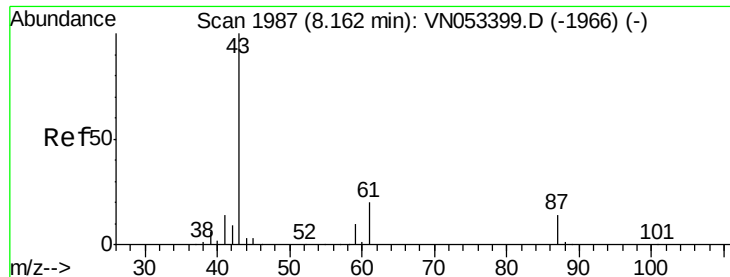
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 72.271 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.13 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

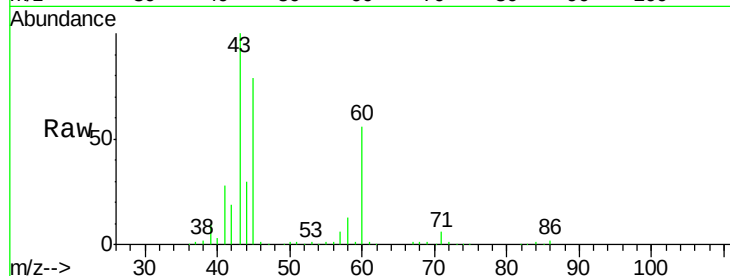
Tot Ion: 43 Resp: 925668

Ion Ratio Lower Upper

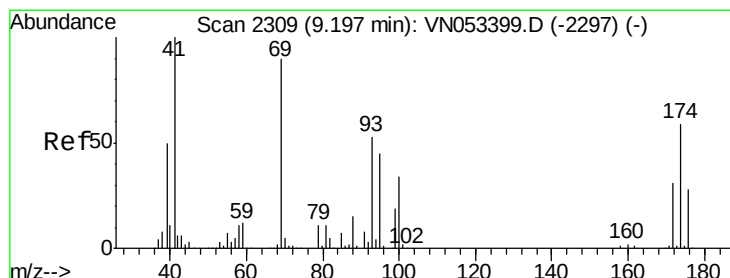
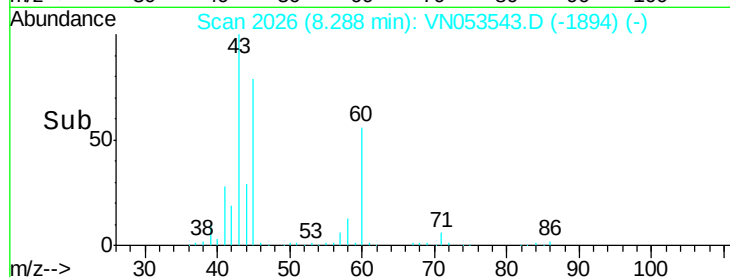
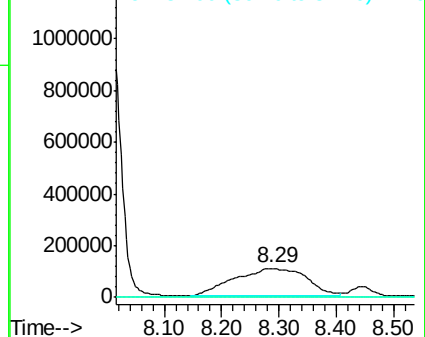
43 100

61 0.1 23.9 35.9#

87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 16.692 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.03 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

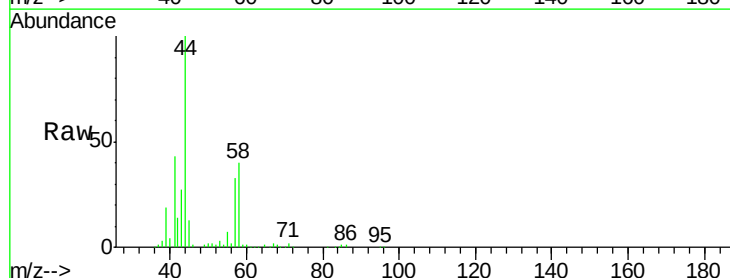
Tgt Ion: 41 Resp: 110391

Ion Ratio Lower Upper

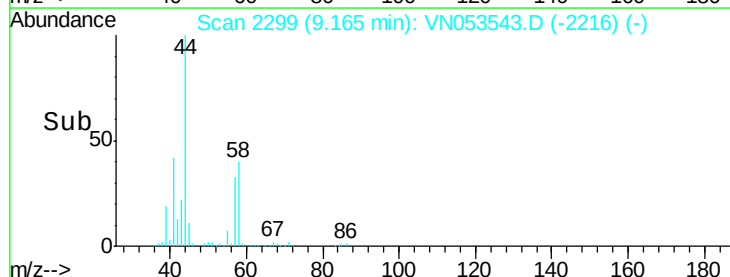
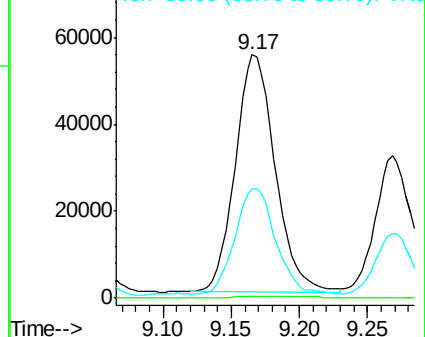
41 100

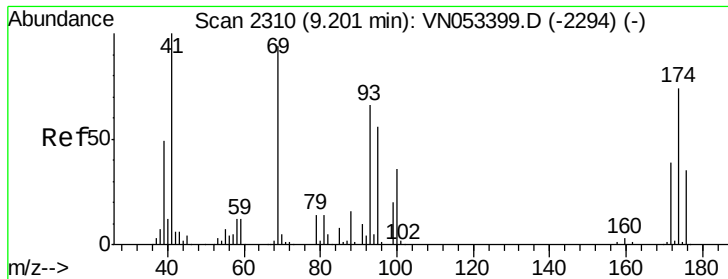
69 0.4 73.8 110.6#

39 45.2 40.0 60.0



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





#49

1,4-Dioxane

Concen: 38.677 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

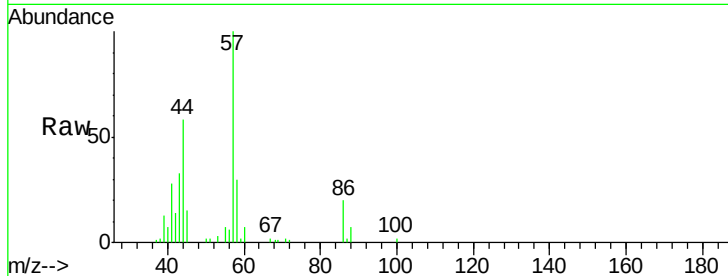
Tot Ion: 88 Resp: 2498

Ion Ratio Lower Upper

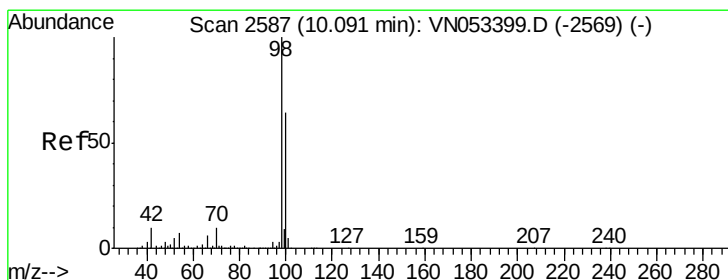
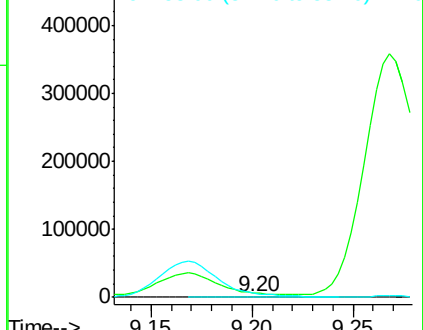
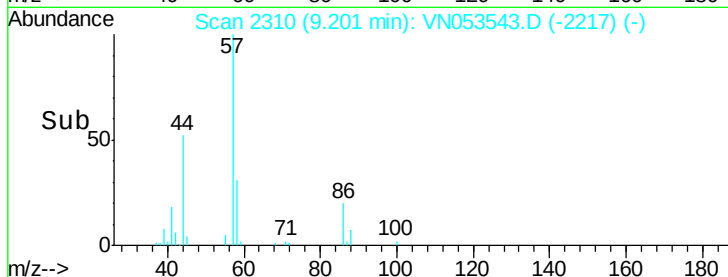
88 100

43 0.0 27.8 41.6#

58 0.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VN053543.D (-2217) (-)



#50

Toluene-d8

Concen: 38.677 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053543.D

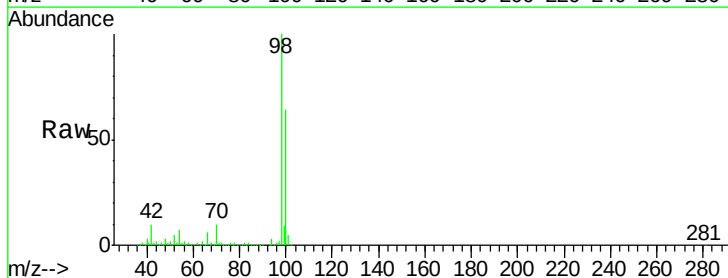
Acq: 28 Jan 2019 14:08

Tgt Ion: 98 Resp: 1643438

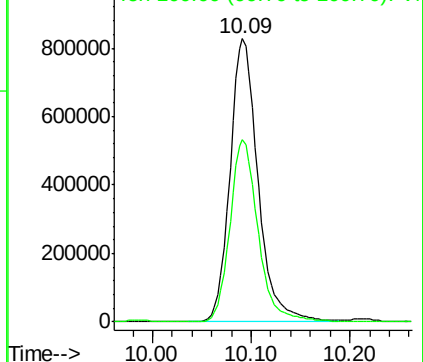
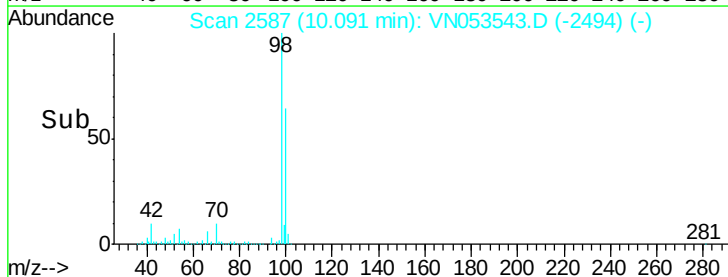
Ion Ratio Lower Upper

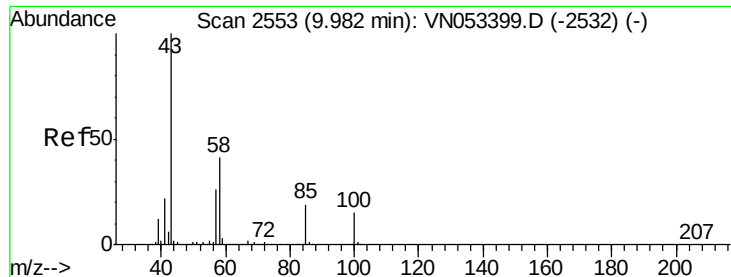
98 100

100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053543.D (-2494) (-)

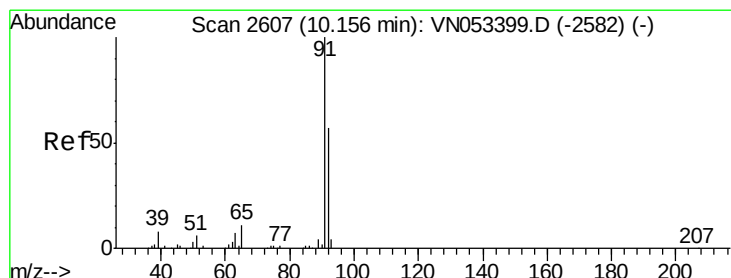
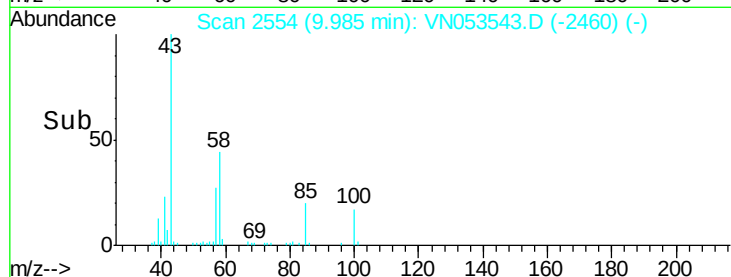
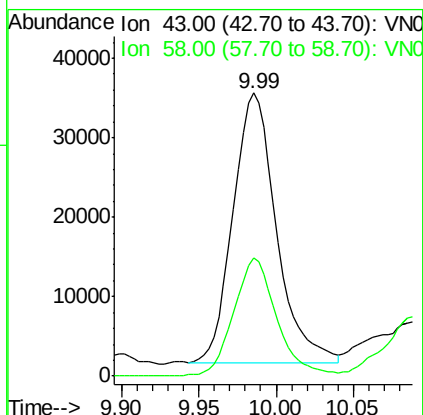
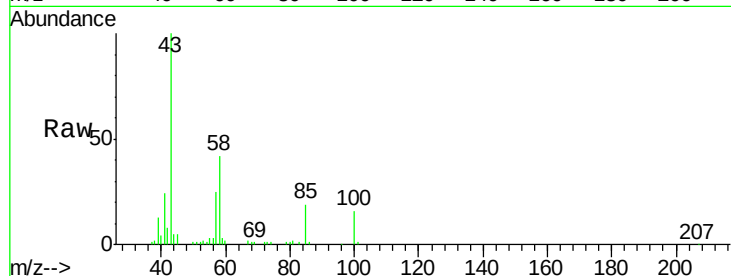




#51
 4-Methyl-2-Pentanone
 Concen: 9.431 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

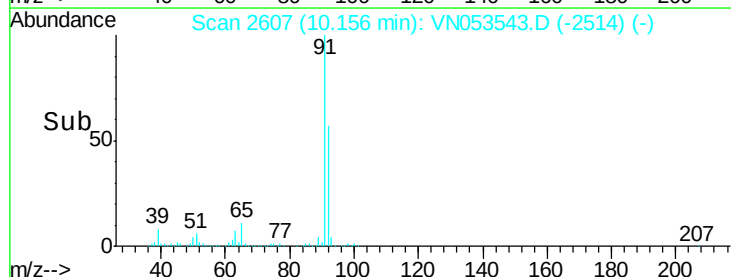
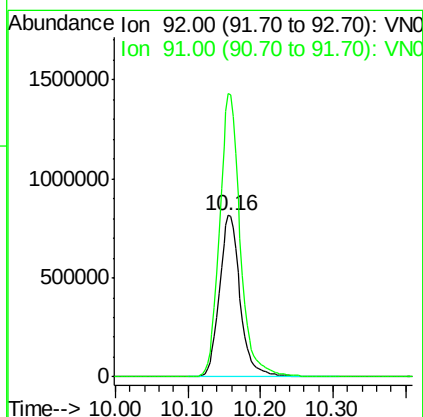
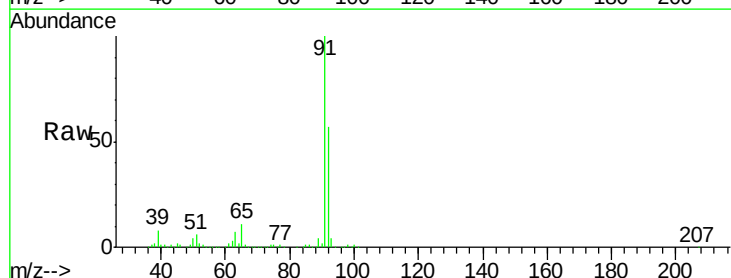
Instrument :
 MSVOA_N
 ClientSampled :
 50138

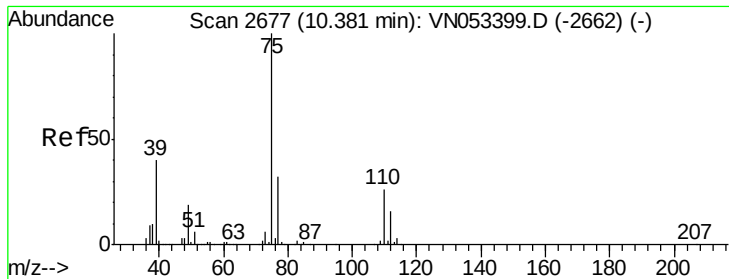
Tot Ion: 43 Resp: 65939
 Ion Ratio Lower Upper
 43 100
 58 43.8 32.8 49.2



#52
 Toluene
 Concen: 68.937 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Tgt Ion: 92 Resp: 1610207
 Ion Ratio Lower Upper
 92 100
 91 174.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 1.360 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

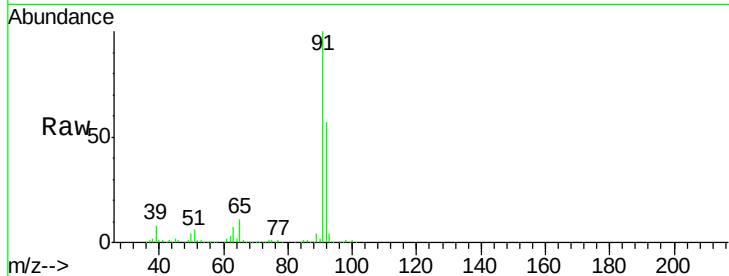
50138

Tot Ion: 75 Resp: 16595

Ion Ratio Lower Upper

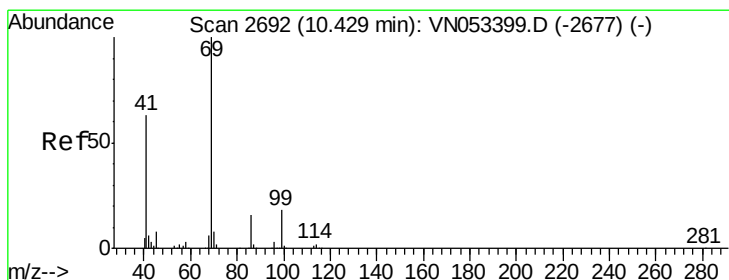
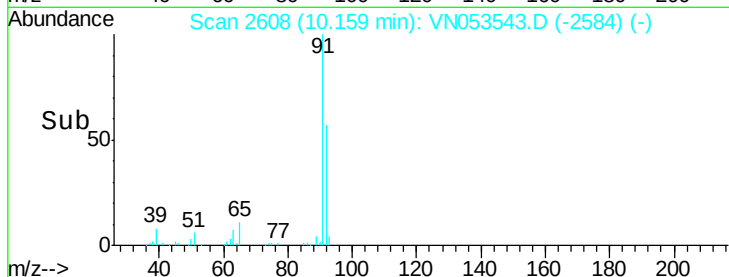
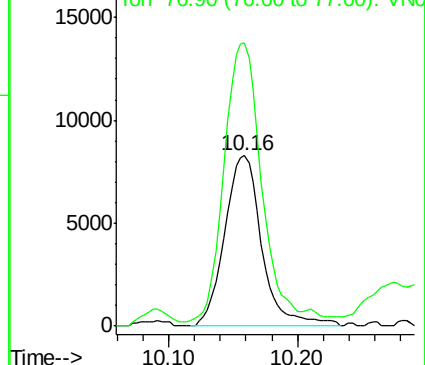
75 100

77 162.6 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 2.594 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.06 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

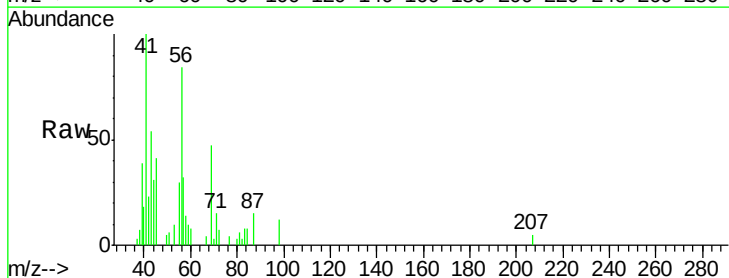
Tgt Ion: 69 Resp: 6389

Ion Ratio Lower Upper

69 100

41 0.0 49.4 74.0#

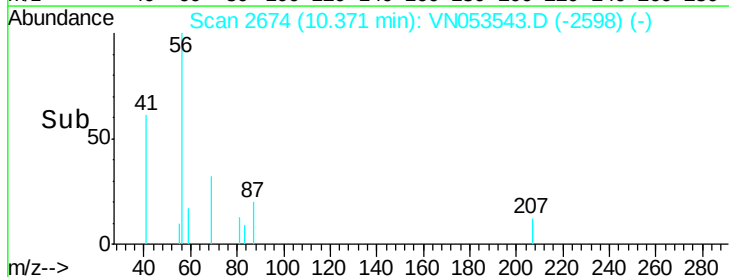
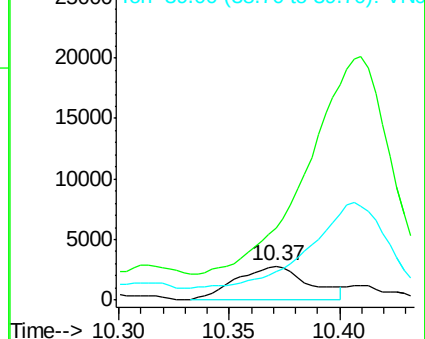
39 0.0 23.3 34.9#

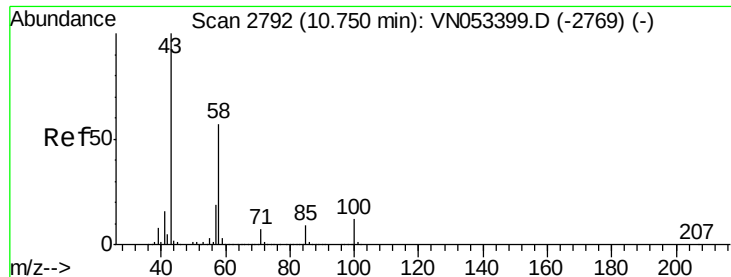


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

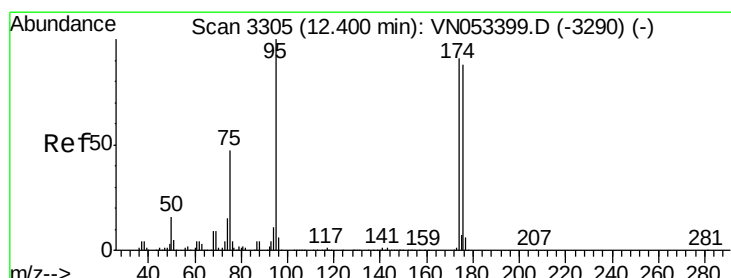
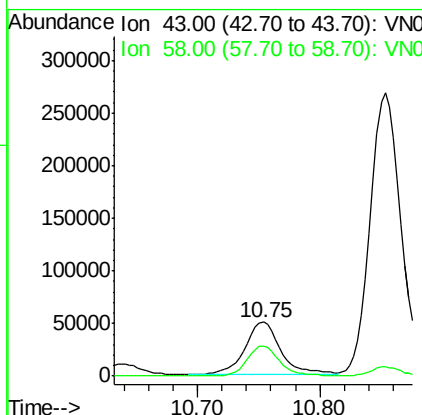
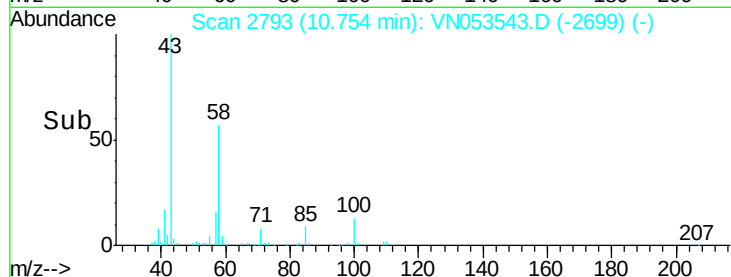
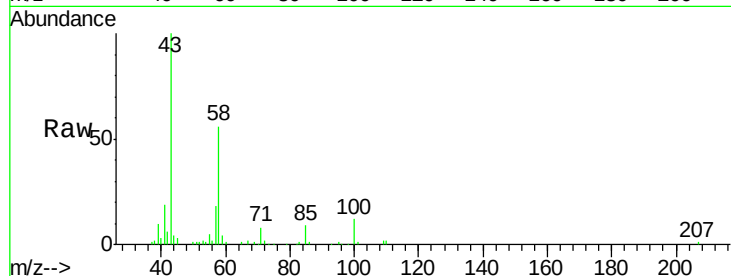




#59
2-Hexanone
Concen: 21.109 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

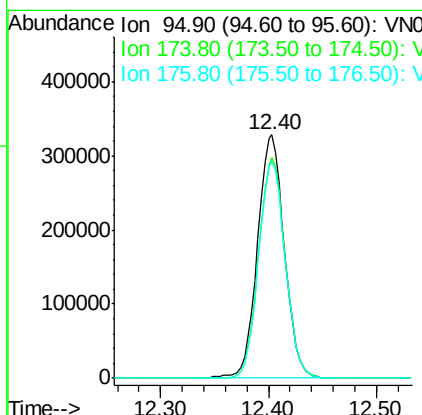
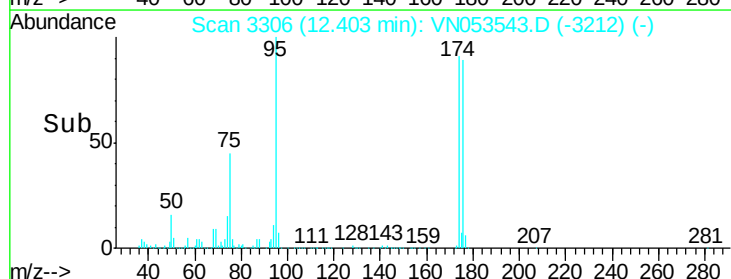
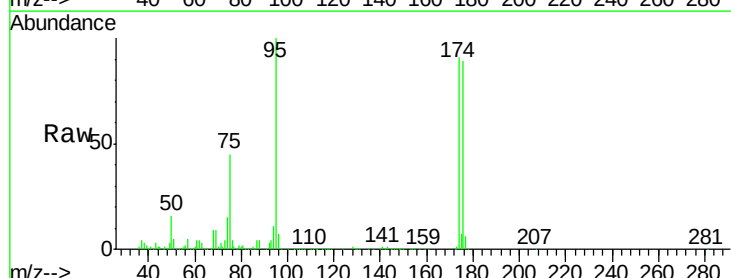
Instrument :
MSVOA_N
ClientSampled :
50138

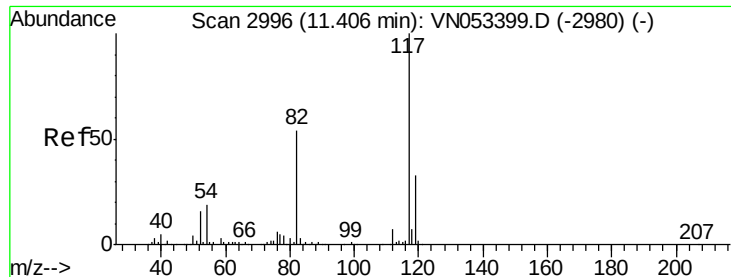
Tot Ion: 43 Resp: 103610
Ion Ratio Lower Upper
43 100
58 51.3 28.6 85.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 95 Resp: 563126
Ion Ratio Lower Upper
95 100
174 90.6 0.0 183.2
176 88.8 0.0 177.4

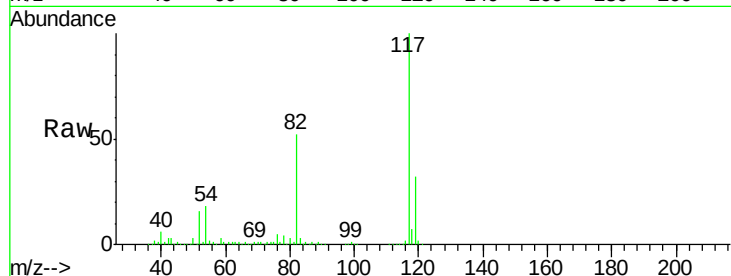




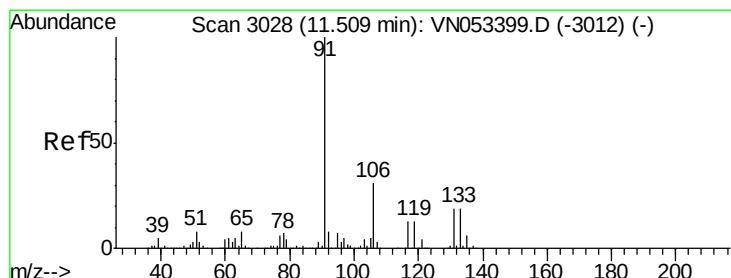
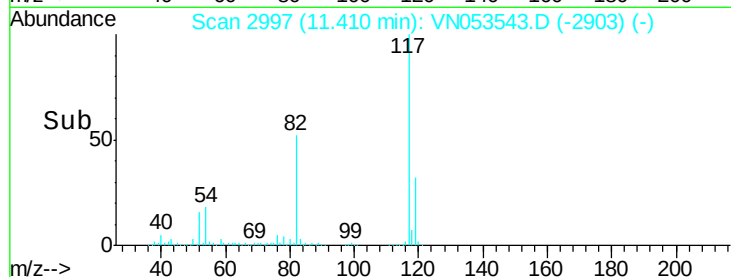
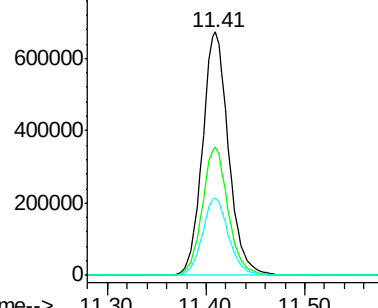
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
50138

Tot Ion:117 Resp: 123528
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 31.7 26.0 39.0

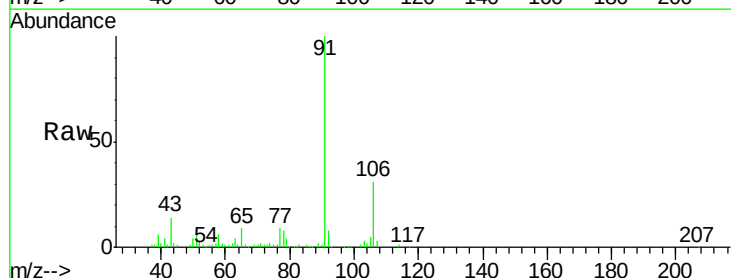


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

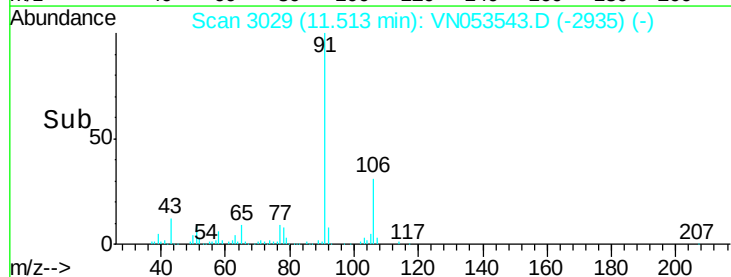
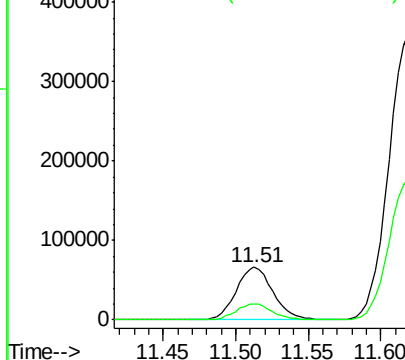


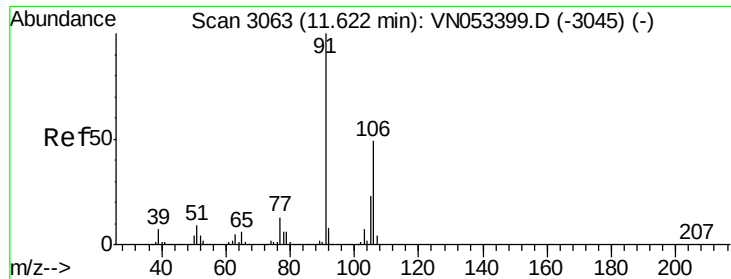
#67
Ethyl Benzene
Concen: 2.651 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 91 Resp: 118141
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



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

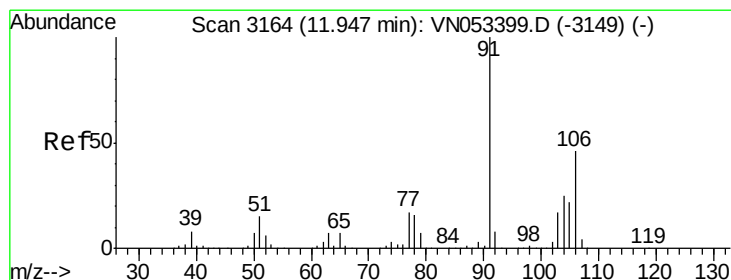
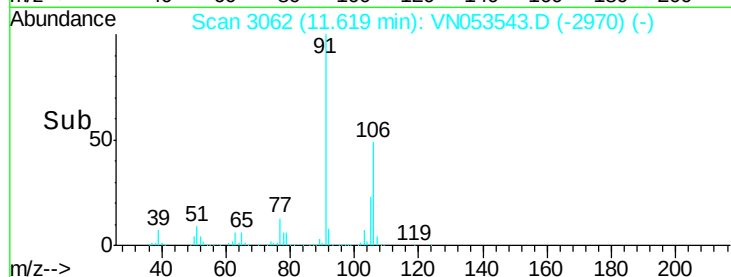
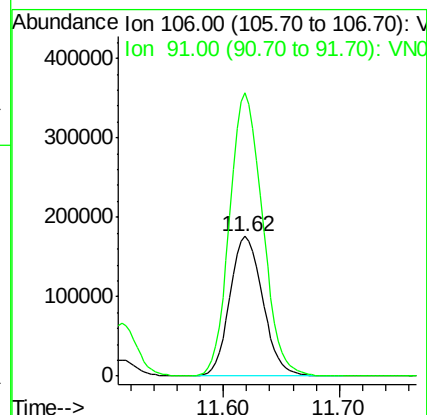
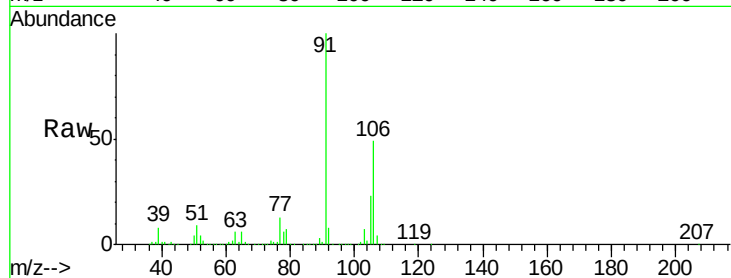




#68
m/p-Xylenes
Concen: 20.537 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

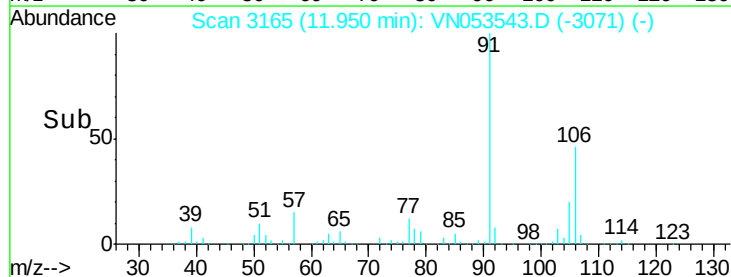
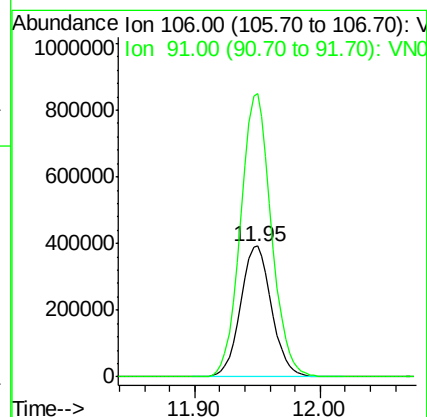
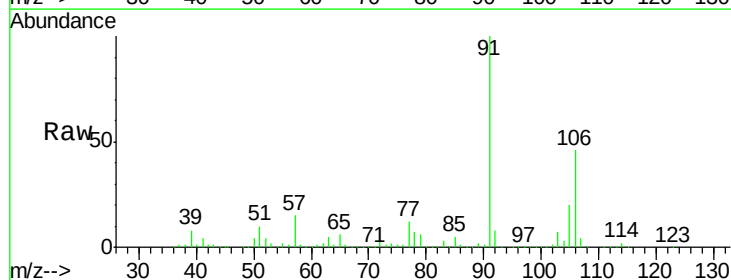
Instrument :
MSVOA_N
ClientSampled :
50138

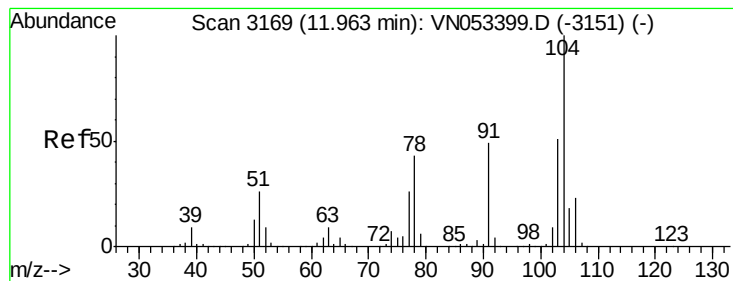
Tot Ion:106 Resp: 345593
Ion Ratio Lower Upper
106 100
91 202.6 161.4 242.2



#69
o-Xylene
Concen: 41.349 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion:106 Resp: 676103
Ion Ratio Lower Upper
106 100
91 213.6 106.9 320.8





#70

Stvrene

Concen: 2.436 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

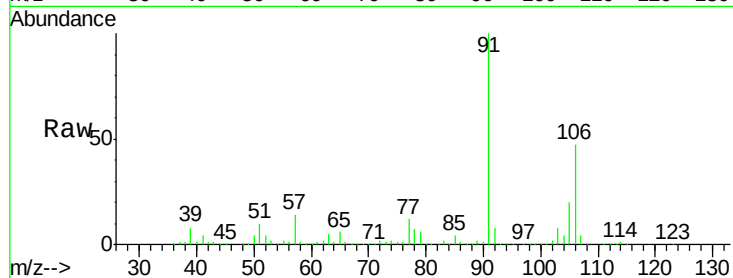
Tot Ion:104 Resp: 64635

Ion Ratio Lower Upper

104 100

78 164.6 38.2 57.2#

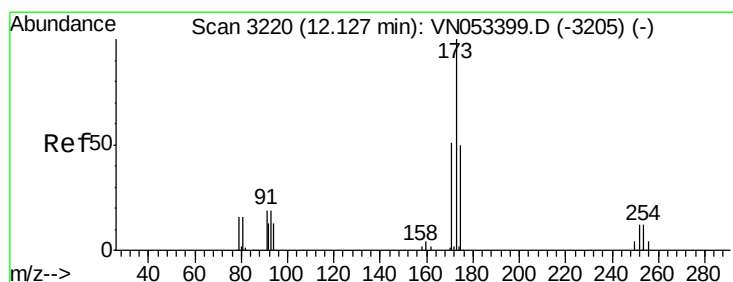
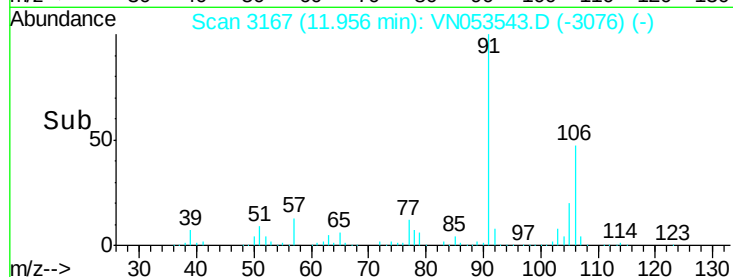
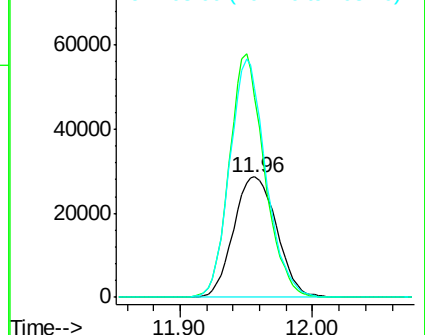
103 166.2 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.614 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

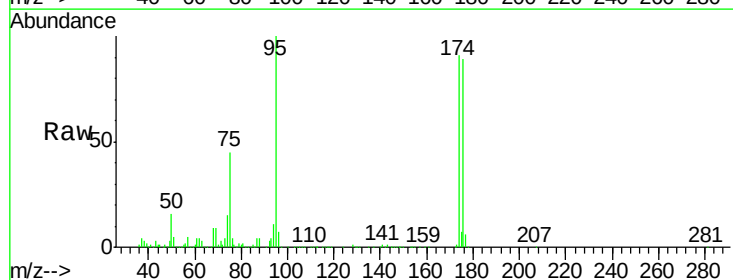
Tgt Ion:173 Resp: 3843

Ion Ratio Lower Upper

173 100

175 828.3 24.6 74.0#

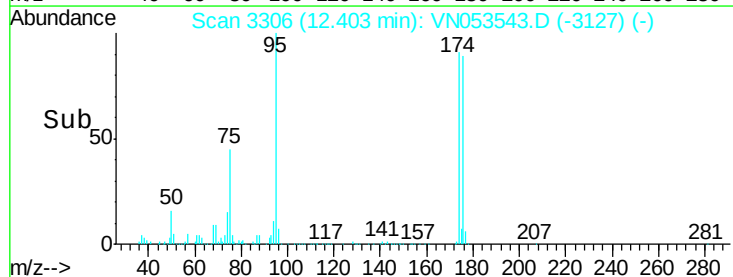
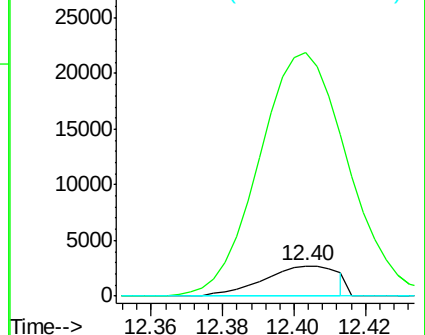
254 0.0 0.2 0.2#

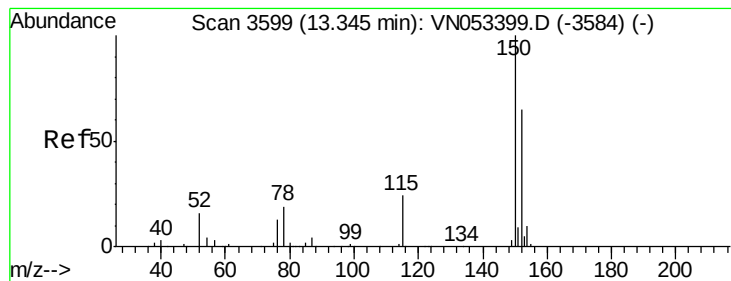


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

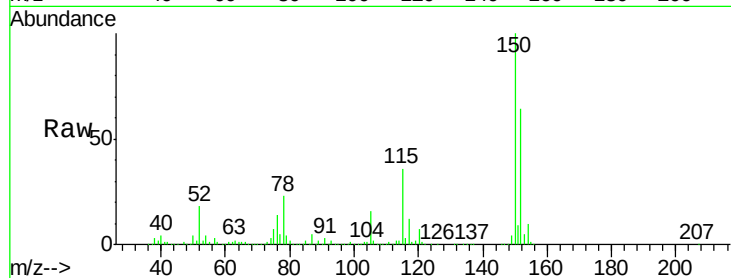
Tot Ion:152 Resp: 522529

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

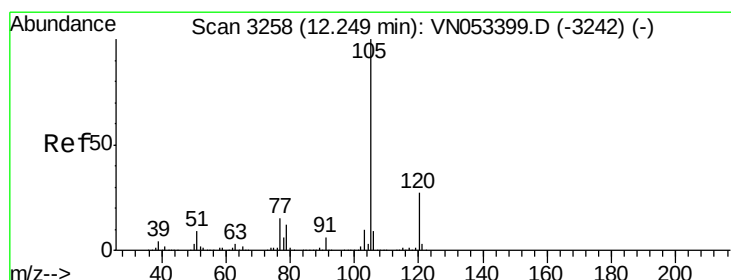
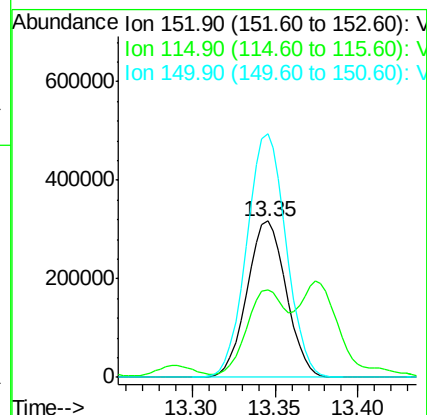
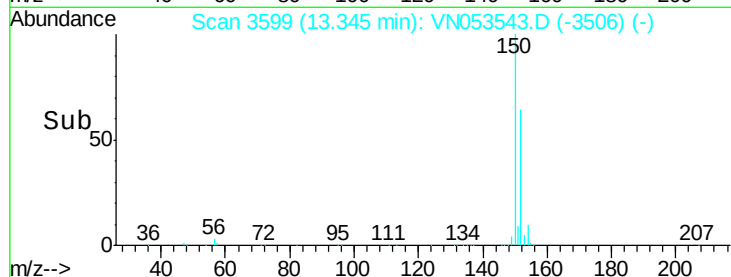
150 156.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 8.705 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053543.D

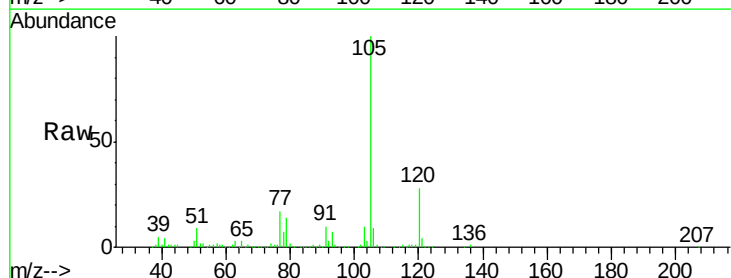
Acq: 28 Jan 2019 14:08

Tgt Ion:105 Resp: 333088

Ion Ratio Lower Upper

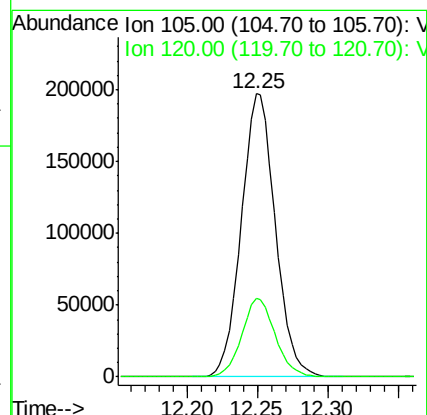
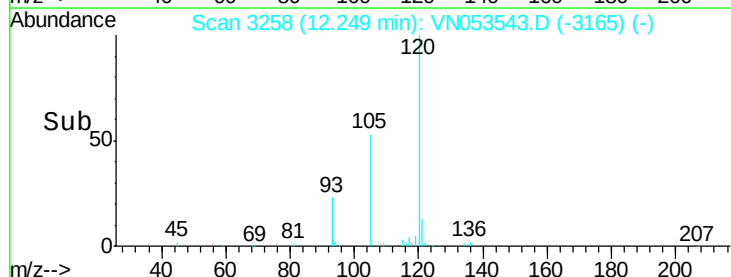
105 100

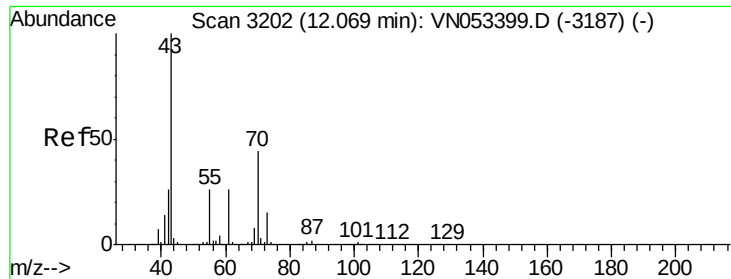
120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 17.541 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

Tot Ion: 43 Resp: 178932

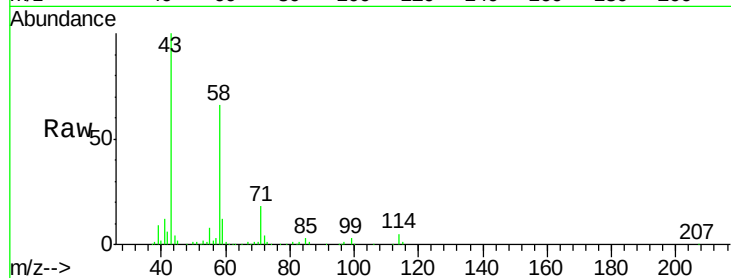
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.2#

55 0.0 20.9 31.3#

61 0.0 20.5 30.7#

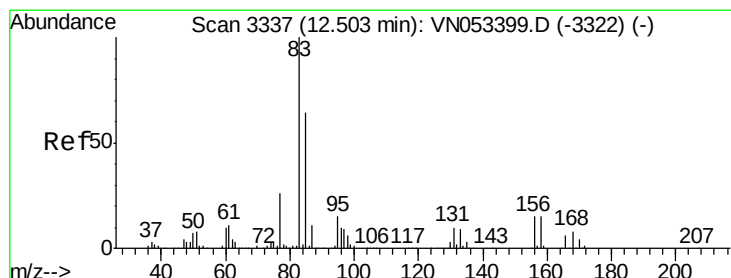
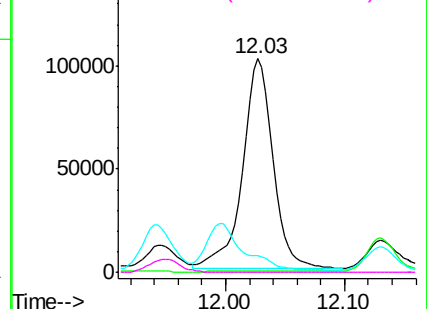
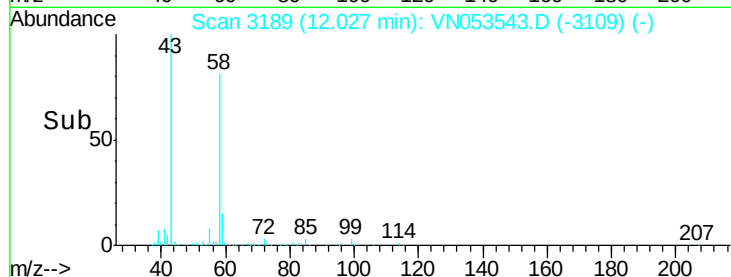


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 3.895 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

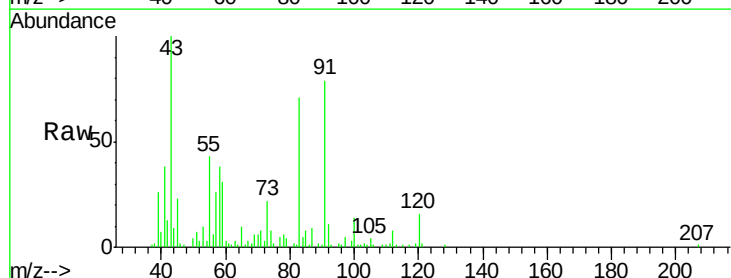
Tgt Ion: 83 Resp: 31259

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

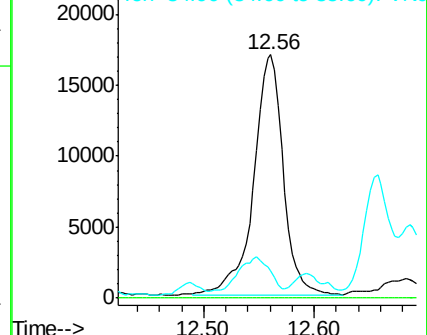
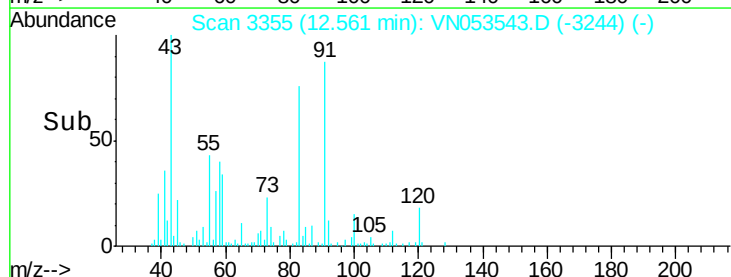
85 13.5 32.1 96.3#

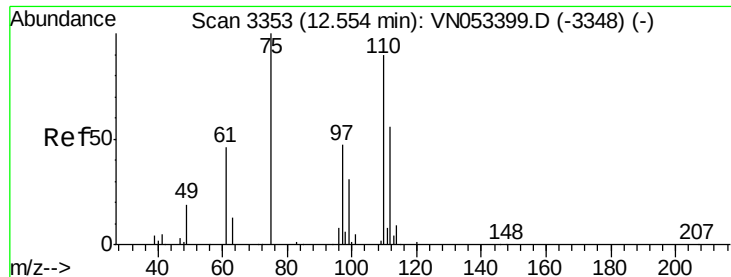


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.701 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

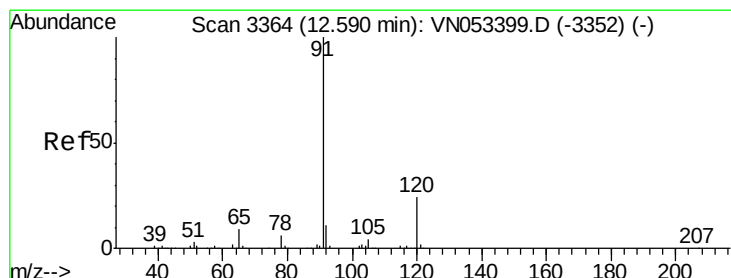
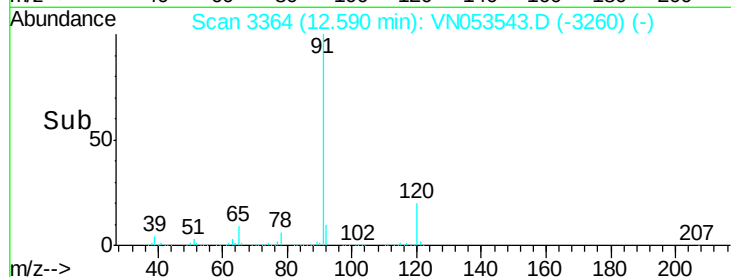
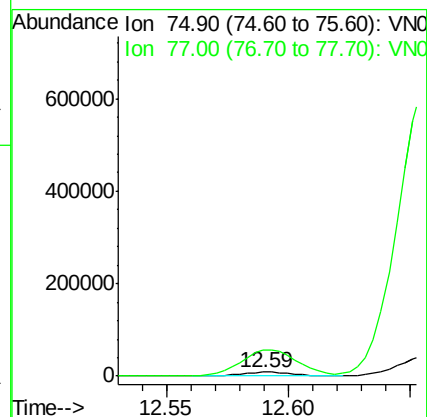
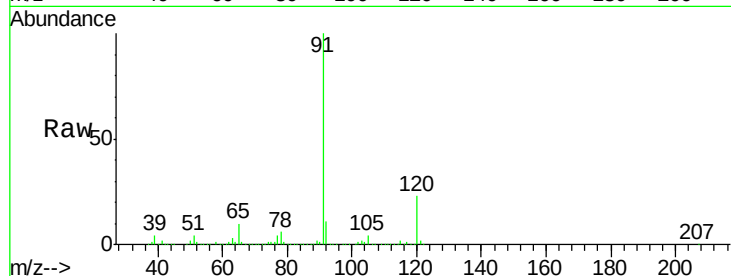
50138

Tot Ion: 75 Resp: 11715

Ion Ratio Lower Upper

75 100

77 770.0 0.0 0.0#



#78

n-propylbenzene

Concen: 56.157 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053543.D

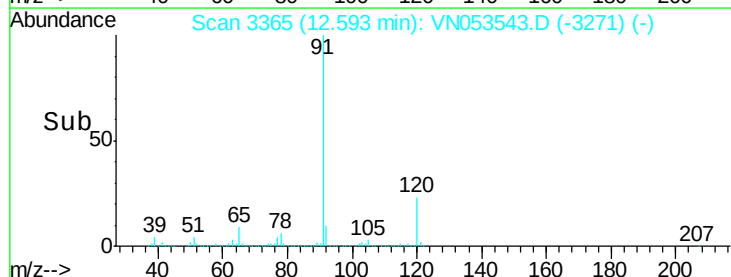
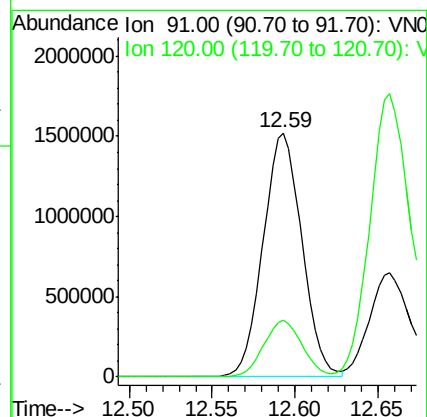
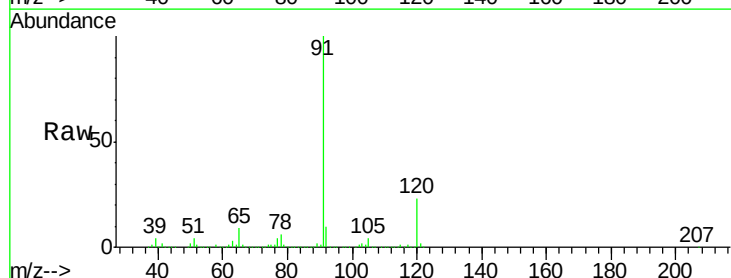
Acq: 28 Jan 2019 14:08

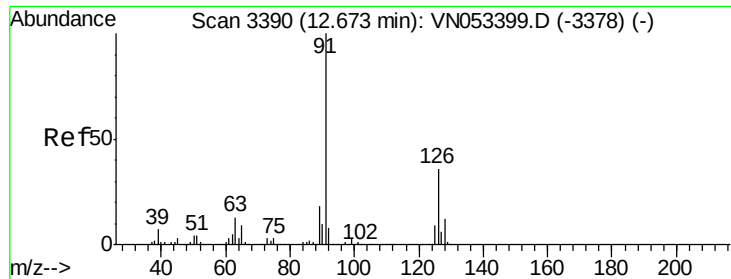
Tgt Ion: 91 Resp: 2466607

Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.5





#79

2-Chlorotoluene

Concen: 37.476 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

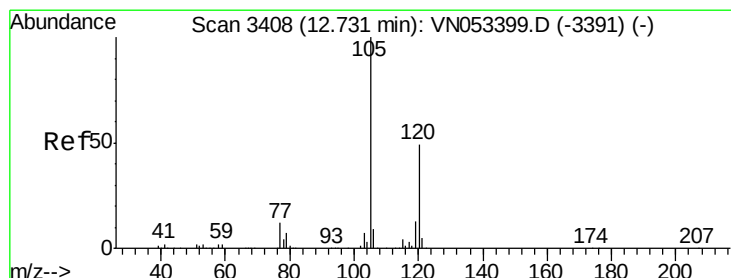
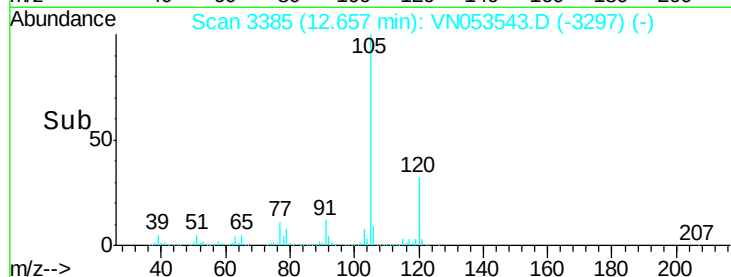
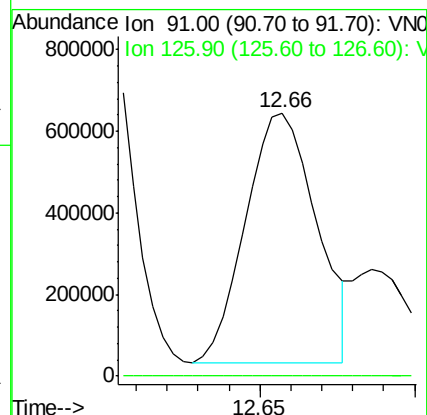
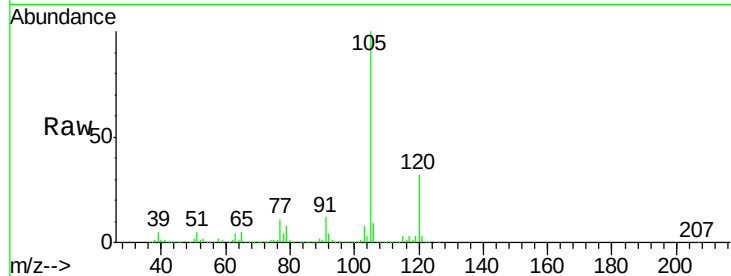
50138

Tot Ion: 91 Resp: 975715

Ion Ratio Lower Upper

91 100

126 0.2 17.9 53.7#



#80

1,3,5-Trimethylbenzene

Concen: 141.545 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053543.D

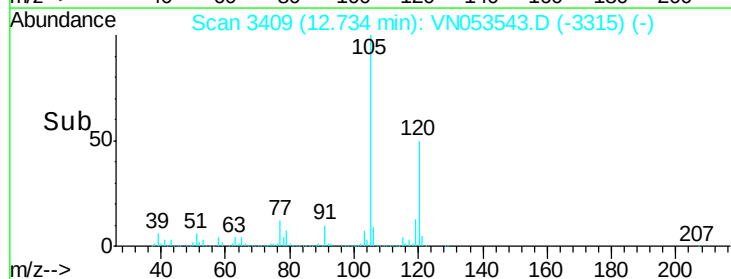
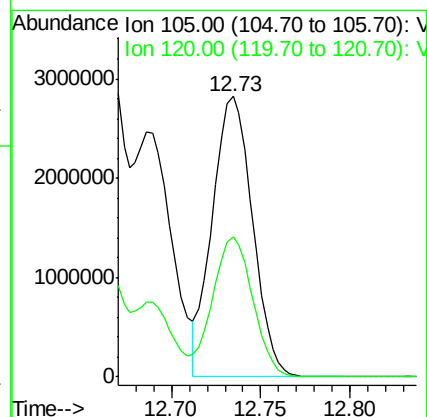
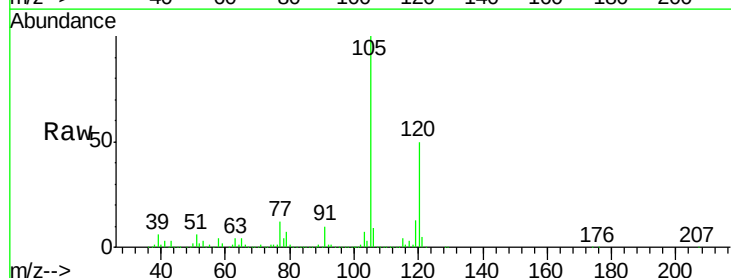
Acq: 28 Jan 2019 14:08

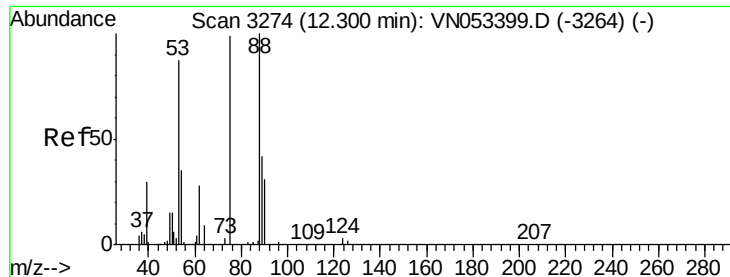
Tgt Ion: 105 Resp: 4406774

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 92.369 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

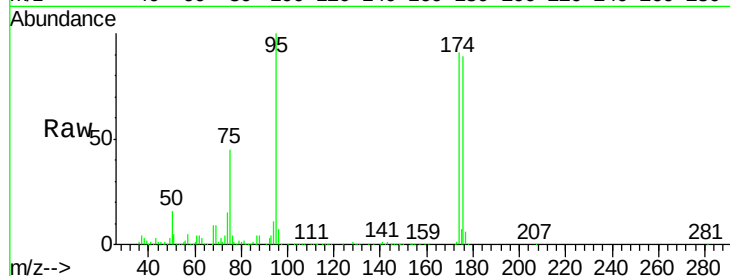
Tot Ion: 75 Resp: 257479

Ion Ratio Lower Upper

75 100

53 0.4 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

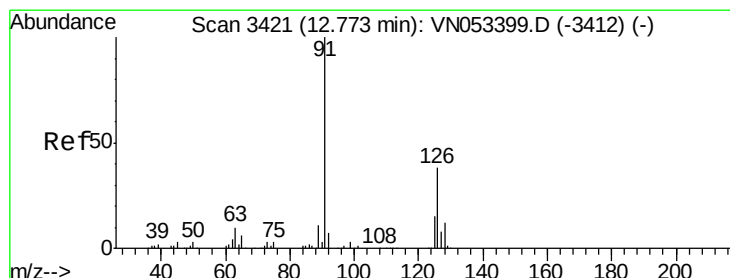
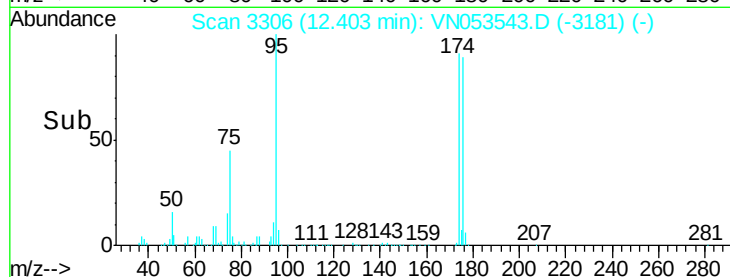
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#82

4-Chlorotoluene

Concen: 16.170 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053543.D

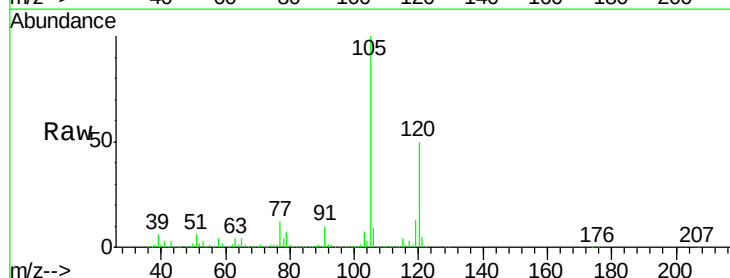
Acq: 28 Jan 2019 14:08

Tgt Ion: 91 Resp: 429318

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.73

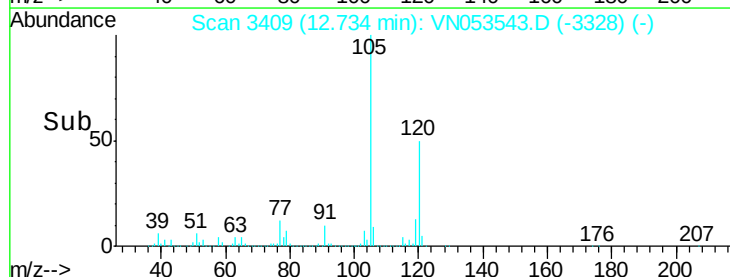
300000

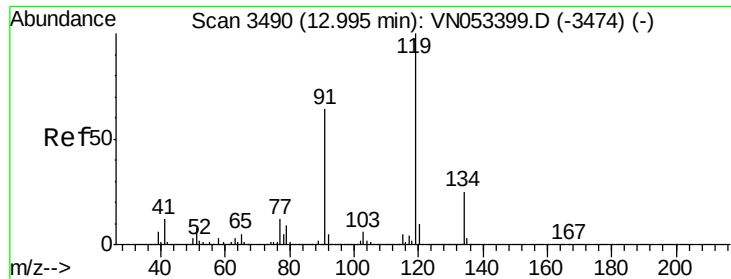
200000

100000

0

Time--> 12.70 12.75 12.80

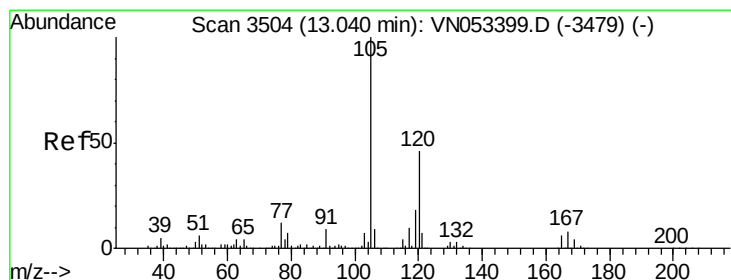
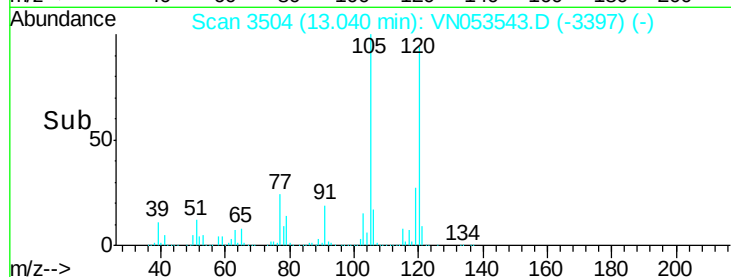
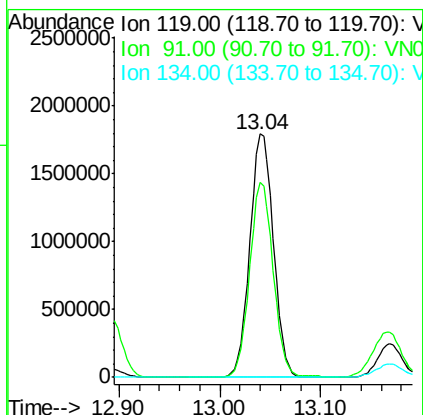
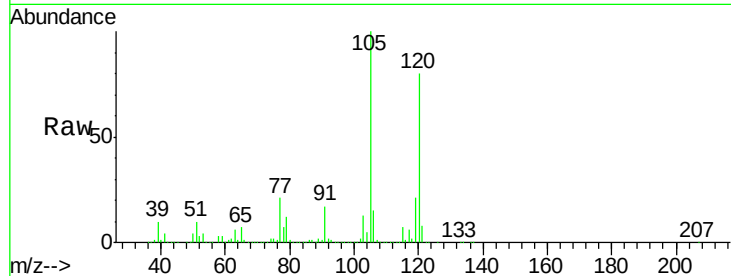




#83
 tert-Butylbenzene
 Concen: 104.687 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

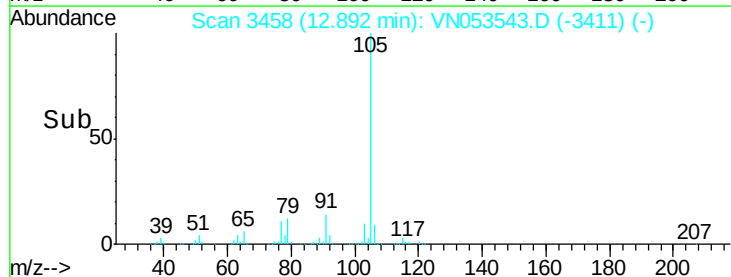
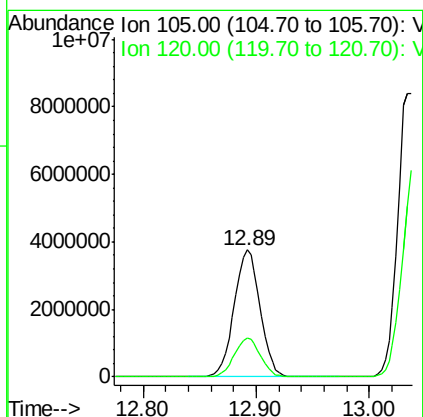
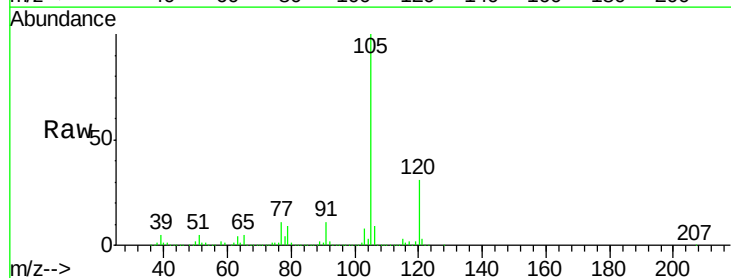
Instrument :
 MSVOA_N
 ClientSampleId :
 50138

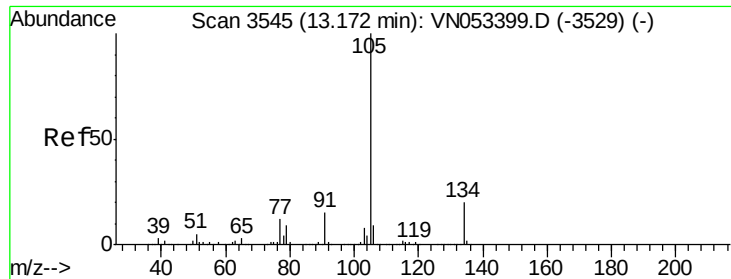
Tot Ion:119 Resp: 2878667
 Ion Ratio Lower Upper
 119 100
 91 80.3 31.3 93.8
 134 0.0 12.9 38.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 190.419 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Tgt Ion:105 Resp: 5977646
 Ion Ratio Lower Upper
 105 100
 120 31.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.473 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

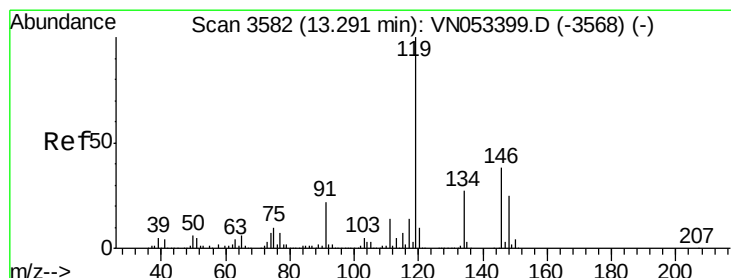
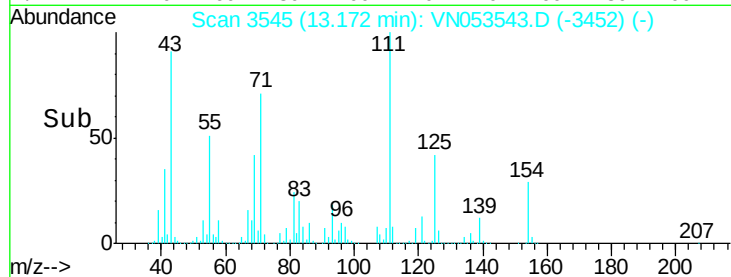
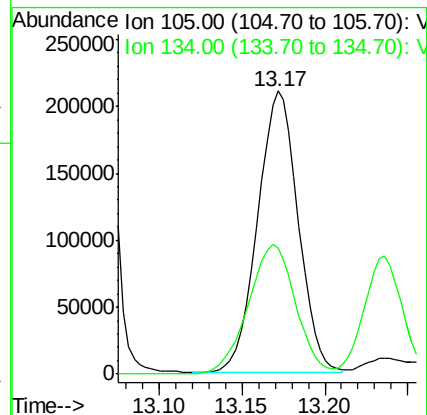
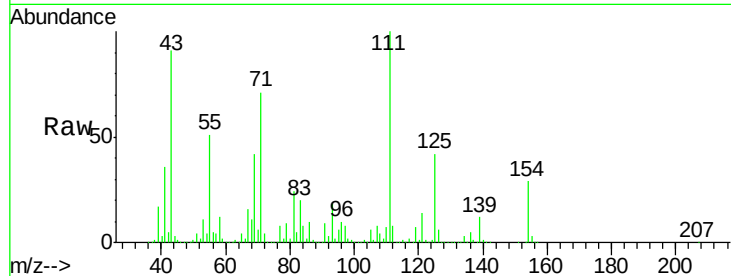
50138

Tot Ion:105 Resp: 357232

Ion Ratio Lower Upper

105 100

134 54.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 15.874 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

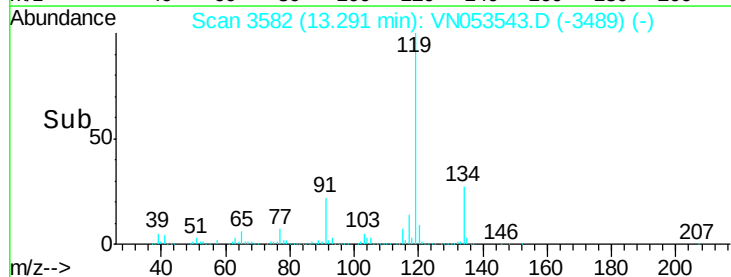
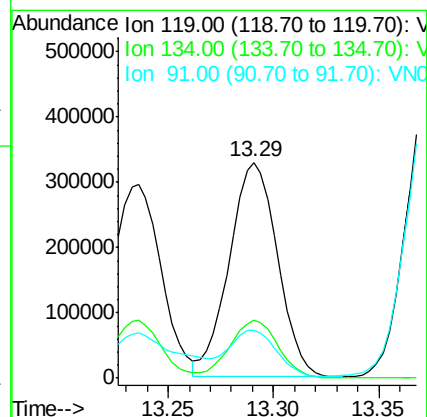
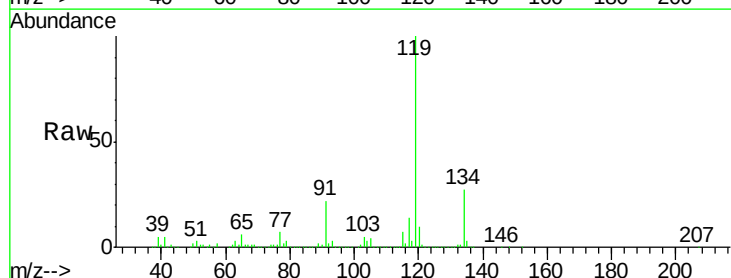
Tgt Ion:119 Resp: 519796

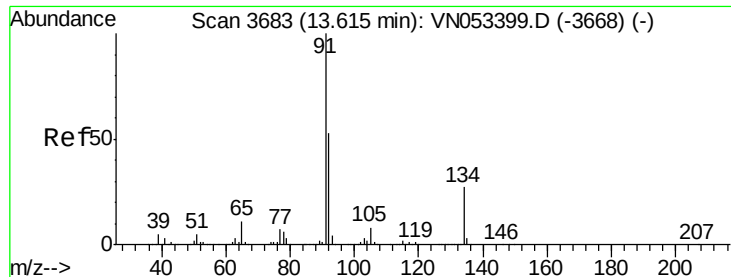
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.1 11.0 33.0





#89

n-Butylbenzene

Concen: 1.785 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

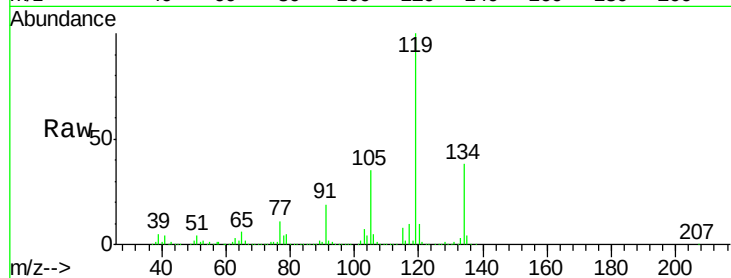
Tot Ion: 91 Resp: 49816

Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.8#

134 794.9 13.5 40.5#

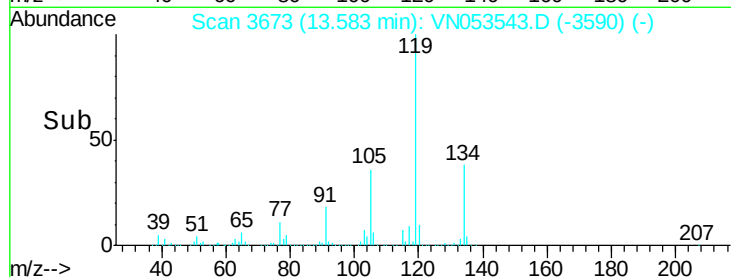


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->

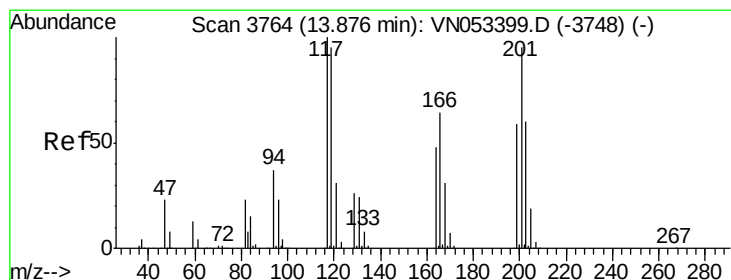


Abundance Ion 91.00 (90.70 to 91.70): VN053543.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053543.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053543.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 9.030 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053543.D

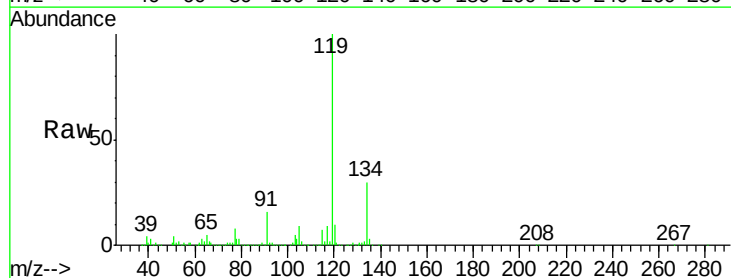
Acq: 28 Jan 2019 14:08

Tgt Ion: 117 Resp: 46374

Ion Ratio Lower Upper

117 100

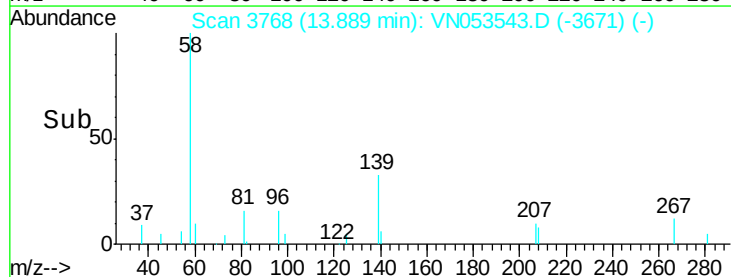
201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

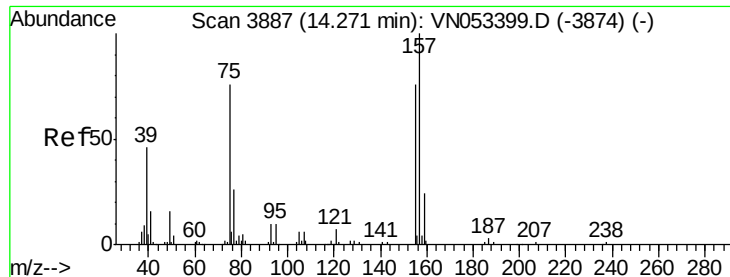
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053543.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053543.D (-3671) (-)

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.507 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

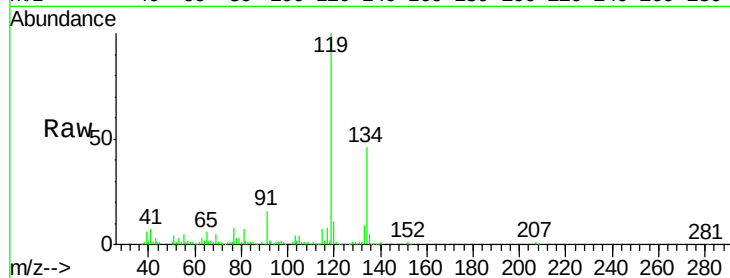
Tot Ion: 75 Resp: 1533

Ion Ratio Lower Upper

75 100

155 4.4 48.9 146.7#

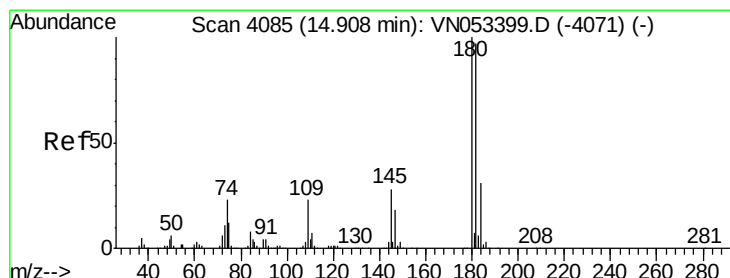
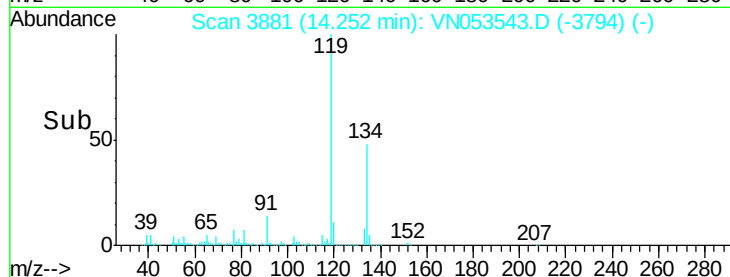
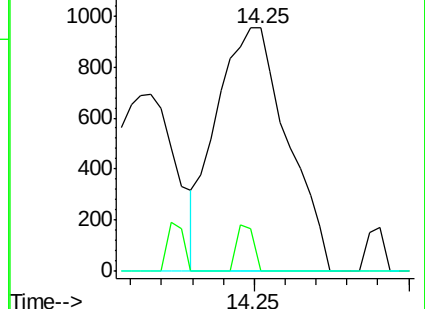
157 0.0 63.7 191.3#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN053399.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN053399.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.344 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

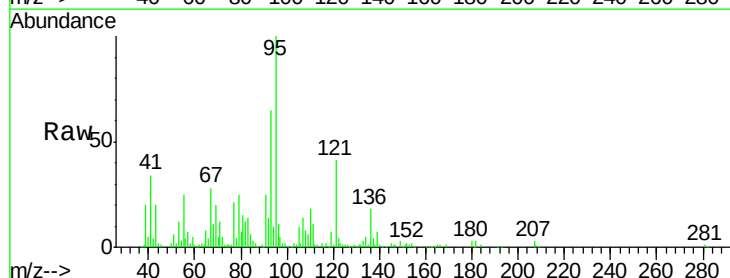
Tgt Ion: 180 Resp: 4402

Ion Ratio Lower Upper

180 100

182 104.0 48.1 144.3

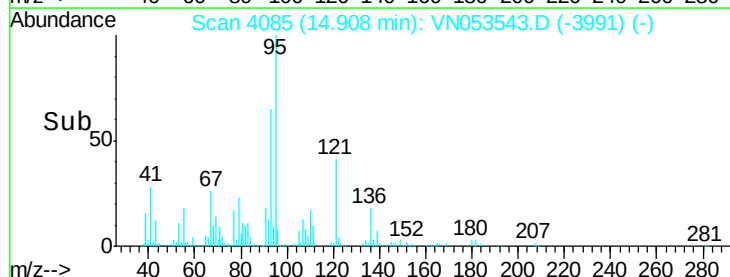
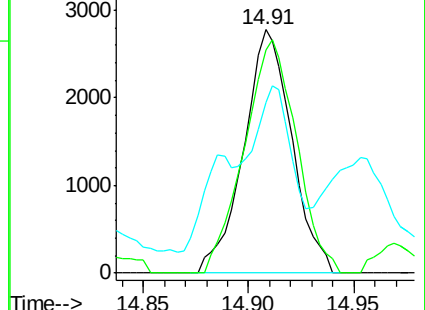
145 56.3 13.9 41.6#

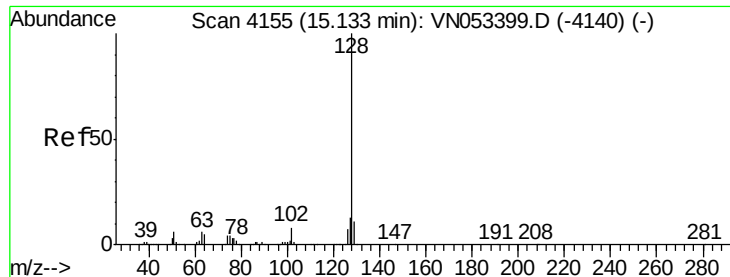


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#95

Naphthalene

Concen: 8.959 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

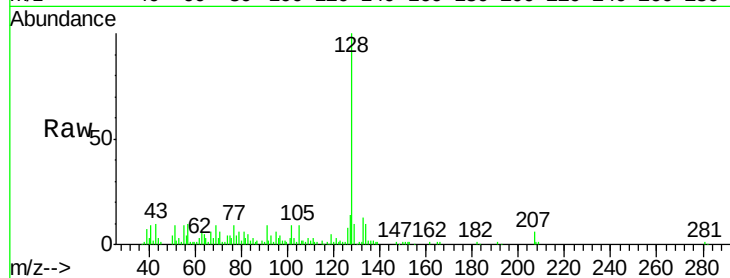
Tot Ion:128 Resp: 68834

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

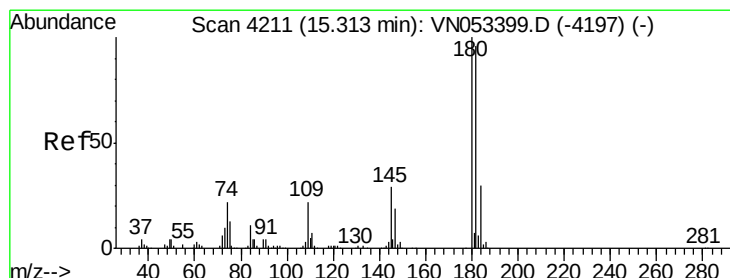
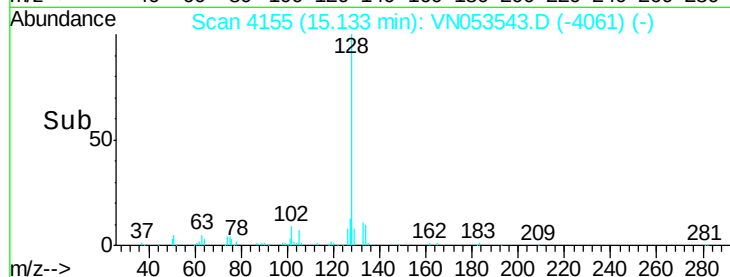
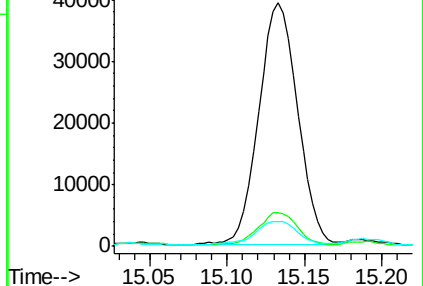
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.909 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

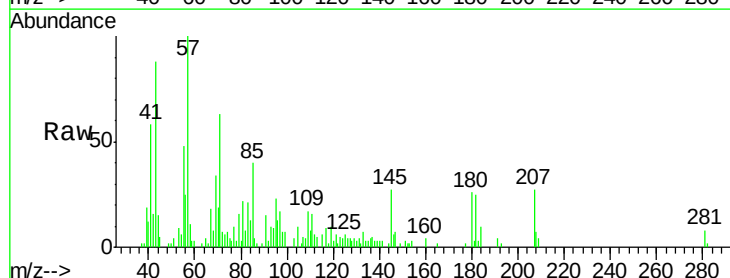
Tgt Ion:180 Resp: 5741

Ion Ratio Lower Upper

180 100

182 89.8 47.9 143.8

145 70.5 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

