

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053717.D
 Acq On : 11 Feb 2019 20:48
 Operator : JC/SP
 Sample : K1448-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30228

Quant Time: Feb 11 22:13:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	765203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1205134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1148738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	556412	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	377713	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	371961	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.09	98	1488451	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	529479	55.52	ug/l	0.00
Spiked Amount			Recovery	=	111.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	3584	0.821	ug/l #	2
11) Tert butyl alcohol	4.77	59	1664	3.663	ug/l #	72
13) Acrolein	3.62	56	241	0.974	ug/l #	14
15) Acrylonitrile	5.04	53	4148	1.691	ug/l #	42
16) Acetone	3.81	43	1344268	682.705	ug/l	99
18) Methyl Acetate	4.33	43	2838	0.487	ug/l #	84
19) Methyl tert-butyl Ether	5.05	73	334268	18.608	ug/l	99
20) Methylene Chloride	4.55	84	80243	9.714	ug/l	98
22) Diisopropyl ether	5.95	45	29841	1.427	ug/l	95
23) Vinyl Acetate	5.95	43	15819	1.094	ug/l #	72
25) 2-Butanone	6.83	43	211059	75.156	ug/l	99
29) Tetrahydrofuran	7.22	42	1169	0.648	ug/l #	46
31) Cyclohexane	7.66	56	24465	1.721	ug/l #	42
36) 1,1-Dichloropropene	7.67	75	45624	4.200	ug/l #	49
37) Ethyl Acetate	6.93	43	58364	9.619	ug/l	97
38) Carbon Tetrachloride	7.66	117	63217	5.776	ug/l #	16
39) Methylcyclohexane	9.08	83	41290	3.204	ug/l	96
40) Benzene	8.04	78	2753499	82.193	ug/l	100
42) 1,2-Dichloroethane	8.04	62	20711	2.082	ug/l	81
43) Isopropyl Acetate	8.30	43	140921	12.027	ug/l #	51
48) Methyl methacrylate	9.17	41	13721	2.453	ug/l #	36
51) 4-Methyl-2-Pentanone	9.99	43	25293	4.393	ug/l	98
52) Toluene	10.16	92	5031055	253.042	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	54975	5.112	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	21300	2.973	ug/l #	18
56) Ethyl methacrylate	10.43	69	13359	1.576	ug/l #	30
59) 2-Hexanone	10.75	43	12248	3.133	ug/l	94
67) Ethyl Benzene	11.51	91	6307463	157.363	ug/l	100
68) m/p-Xylenes	11.62	106	8278378	541.142	ug/l	98
69) o-Xylene	11.95	106	4710184	318.702	ug/l	99
70) Styrene	11.95	104	226679	9.463	ug/l #	1
71) Bromoform	12.40	173	3273	0.560	ug/l #	1
73) Isopropylbenzene	12.25	105	926065	23.675	ug/l	99
74) N-amyl acetate	12.03	43	35746	3.800	ug/l #	43

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

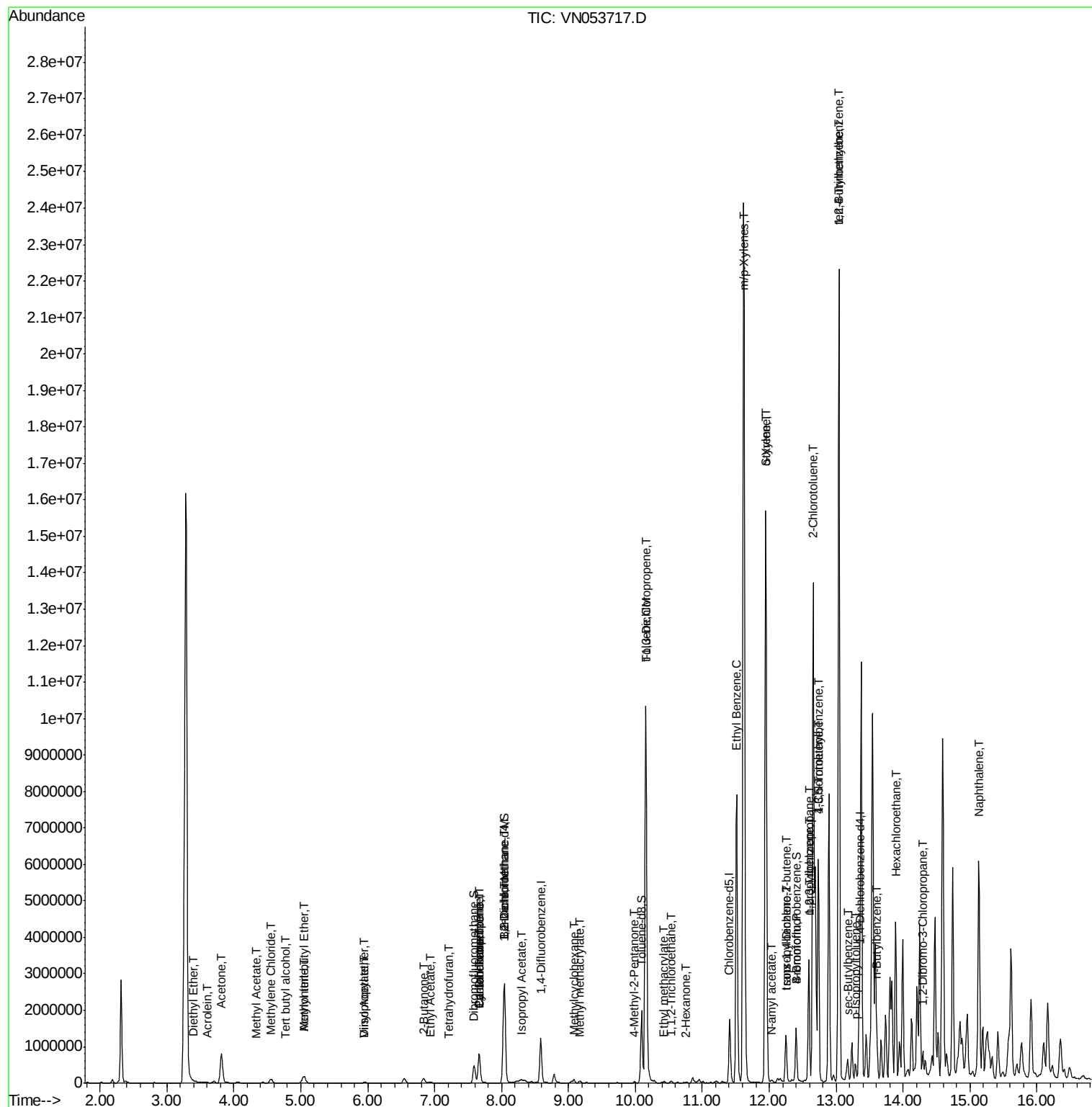
76) 1,2,3-Trichloropropane	12.59	75	15153	2.120	ug/l #	100
78) n-propylbenzene	12.59	91	2807187	62.082	ug/l	100
79) 2-Chlorotoluene	12.66	91	996340	37.140	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	3304426	101.876	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.25	75	10431	4.104	ug/l #	60
82) 4-Chlorotoluene	12.73	91	321783	11.689	ug/l #	40
83) tert-Butylbenzene	13.04	119	1640501	57.225	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	12874293	389.585	ug/l	98
85) sec-Butylbenzene	13.17	105	407543	10.447	ug/l	87
86) p-Isopropyltoluene	13.29	119	244441	7.164	ug/l	100
89) n-Butylbenzene	13.61	91	413167	13.991	ug/l #	71
90) Hexachloroethane	13.89	117	216119	38.402	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1529	1.146	ug/l #	1
95) Naphthalene	15.13	128	5299639	211.030	ug/l	100

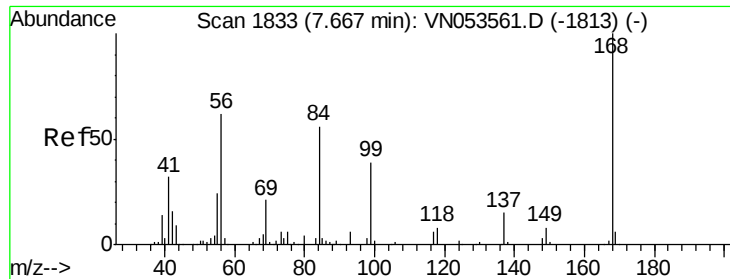
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

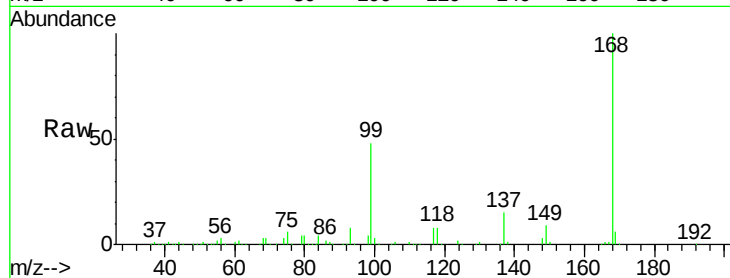
30228

Tot Ion:168 Resp: 765203

Ion Ratio Lower Upper

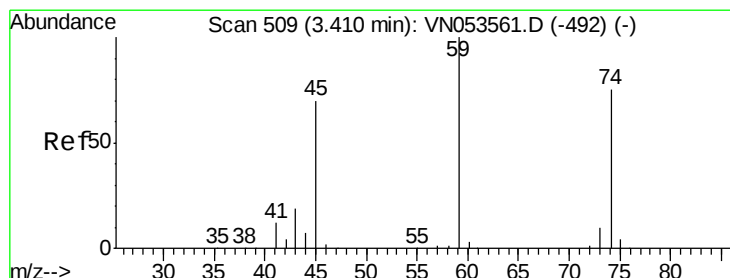
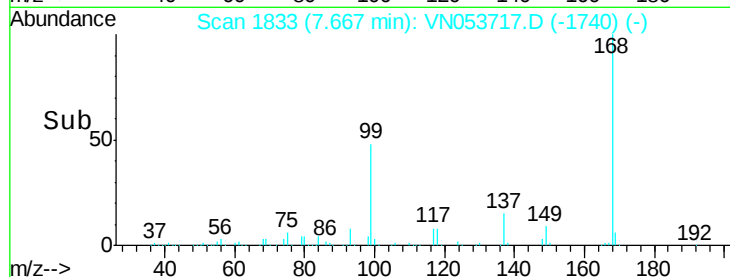
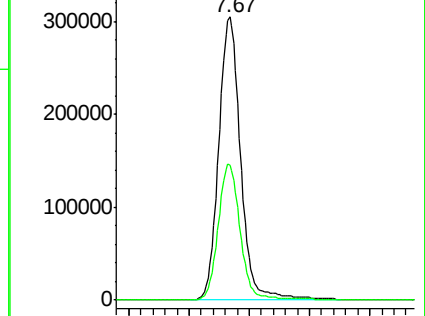
168 100

99 47.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.821 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN053717.D

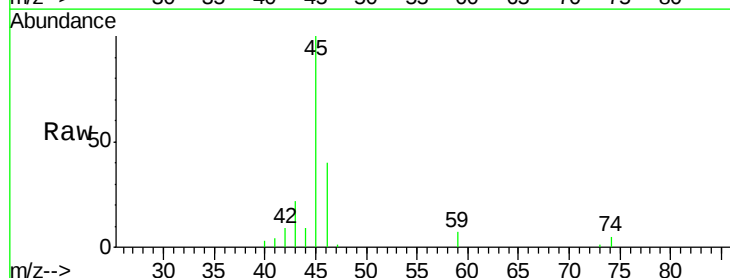
Acq: 11 Feb 2019 20:48

Tgt Ion: 74 Resp: 3584

Ion Ratio Lower Upper

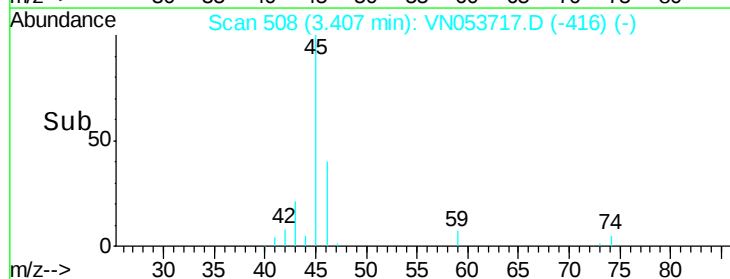
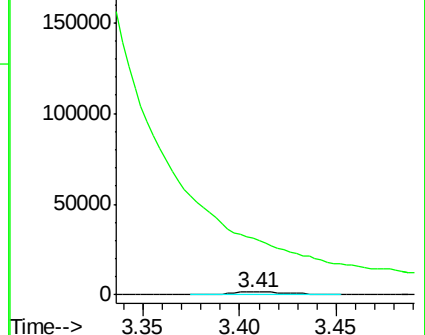
74 100

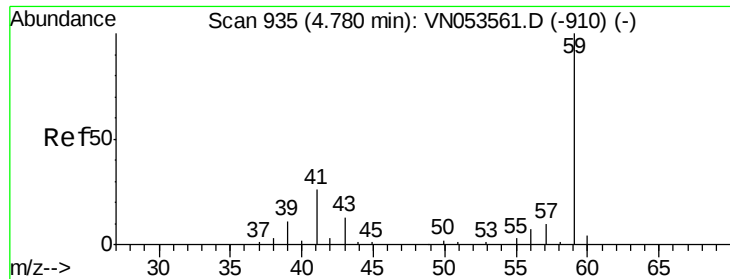
45 0.0 47.9 143.7#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

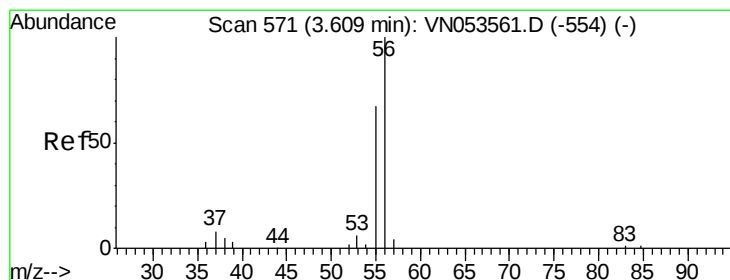
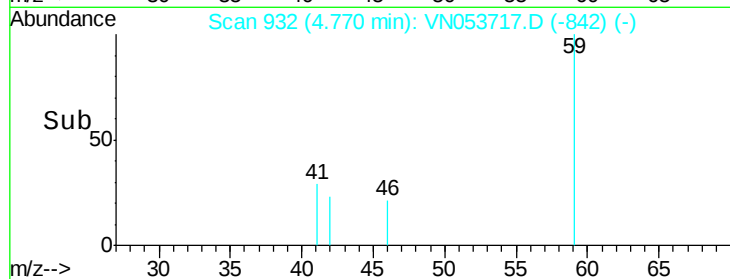
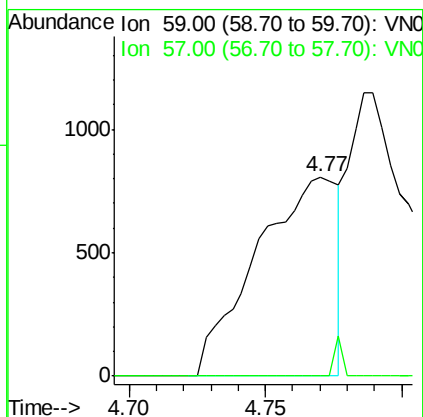
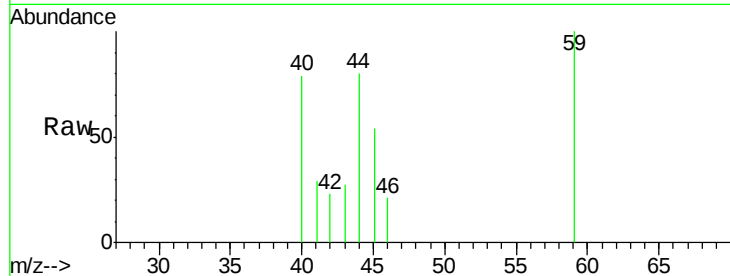




#11
Tert butyl alcohol
Concen: 3.663 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

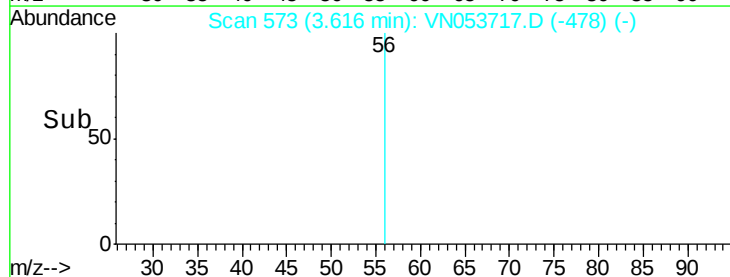
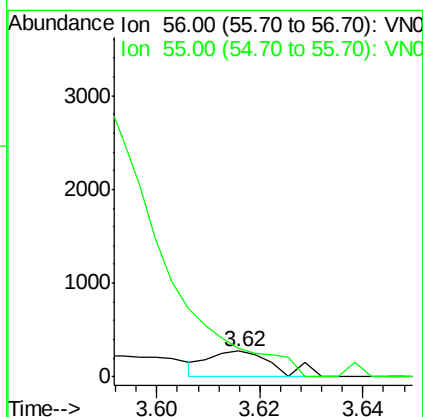
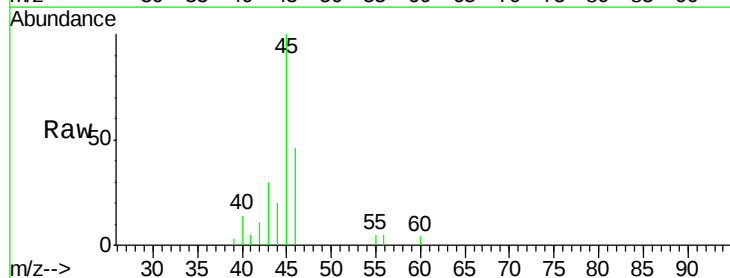
Instrument :
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ClientSampled :
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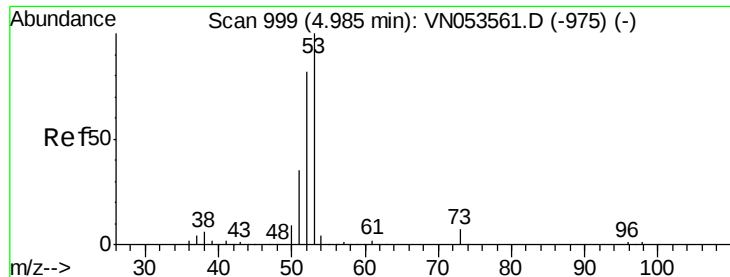
Tot Ion: 59 Resp: 1664
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.974 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#





#15

Acrylonitrile

Concen: 1.691 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

30228

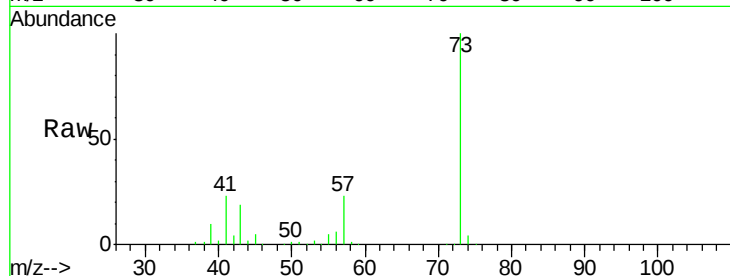
Tot Ion: 53 Resp: 4148

Ion Ratio Lower Upper

53 100

52 9.6 66.0 99.0#

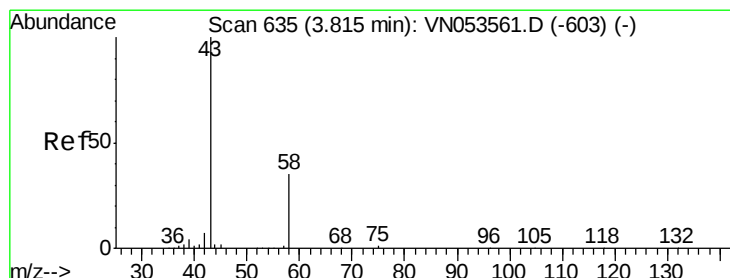
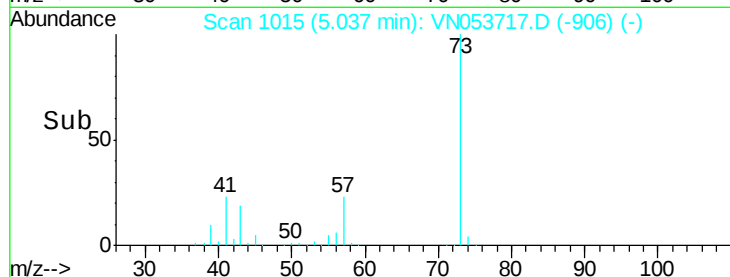
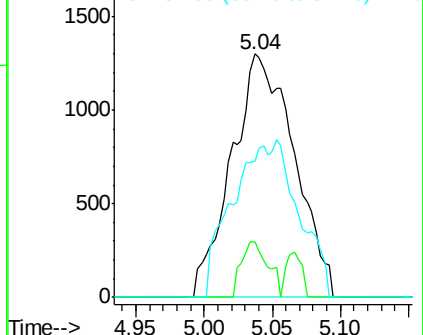
51 37.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 682.705 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053717.D

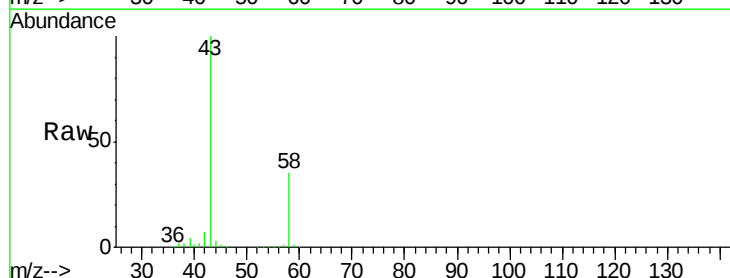
Acq: 11 Feb 2019 20:48

Tgt Ion: 43 Resp: 1344268

Ion Ratio Lower Upper

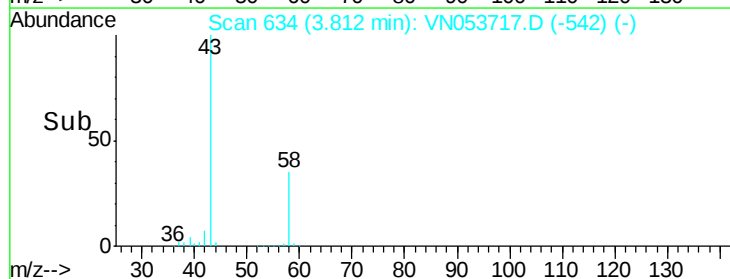
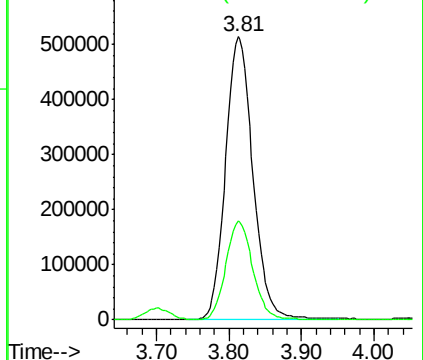
43 100

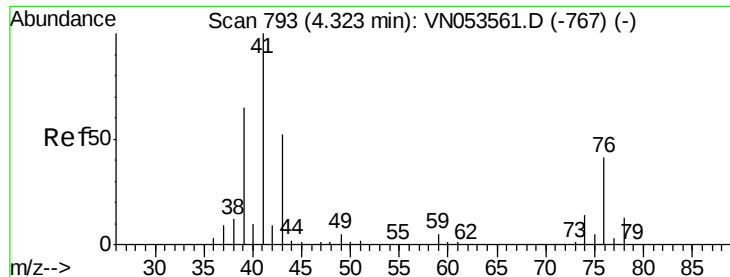
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

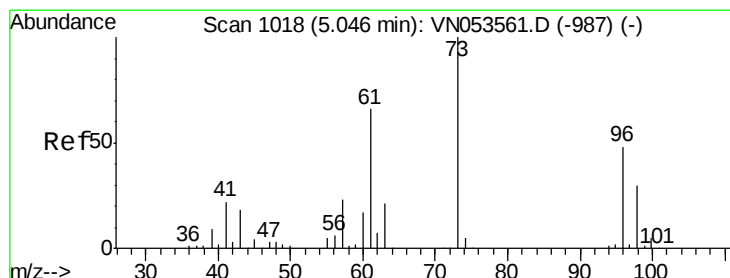
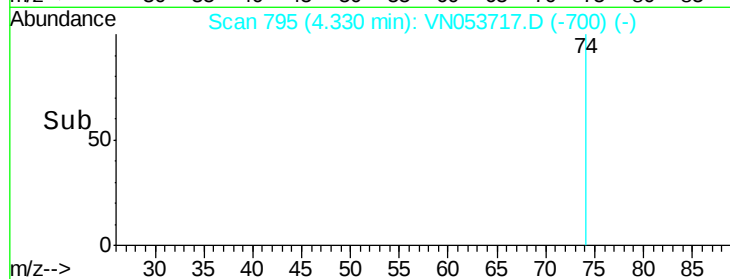
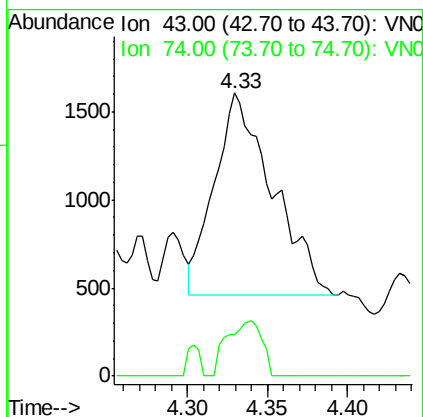
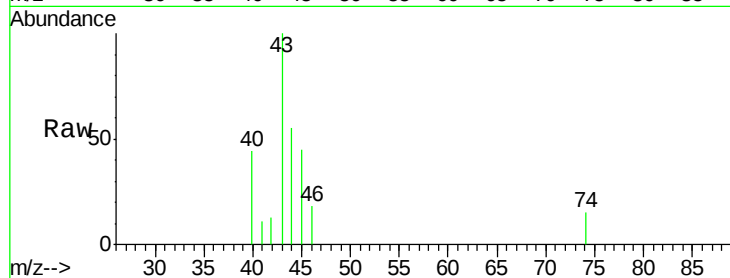




#18
Methyl Acetate
Concen: 0.487 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

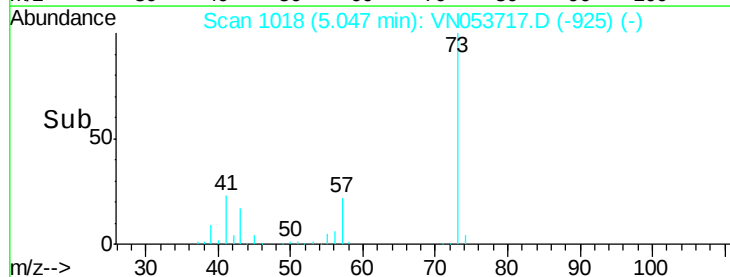
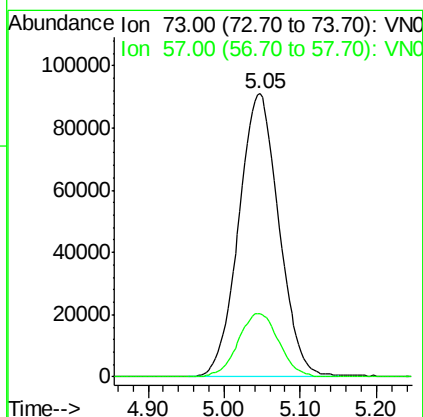
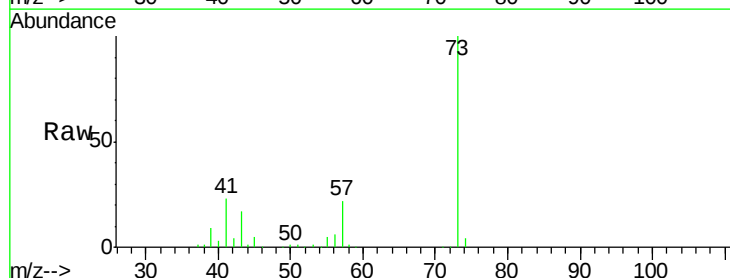
Instrument :
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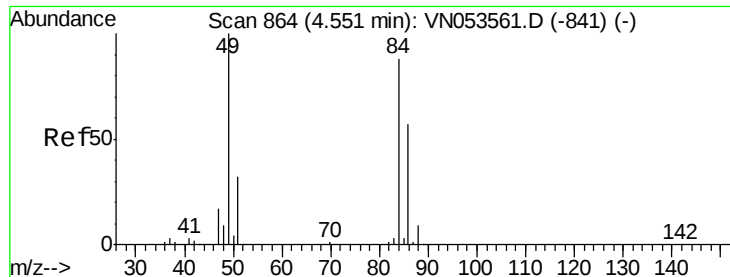
Tot Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
74 16.3 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 18.608 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 73 Resp: 334268
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

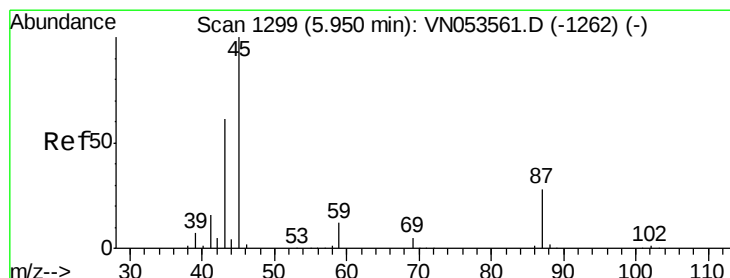
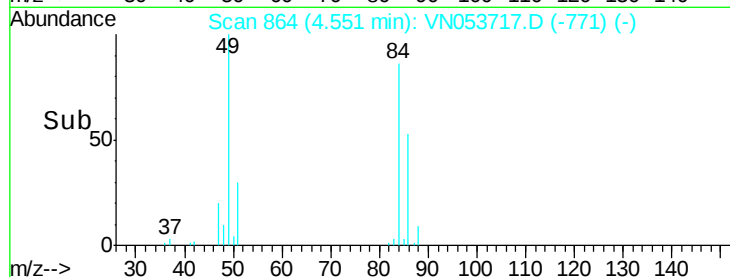
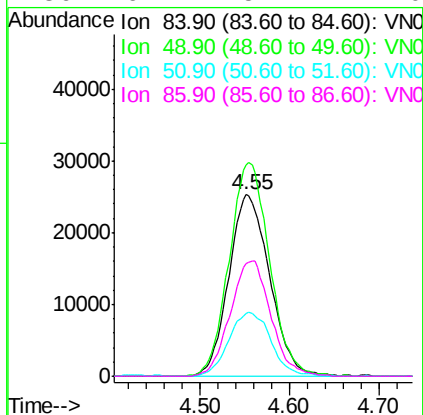
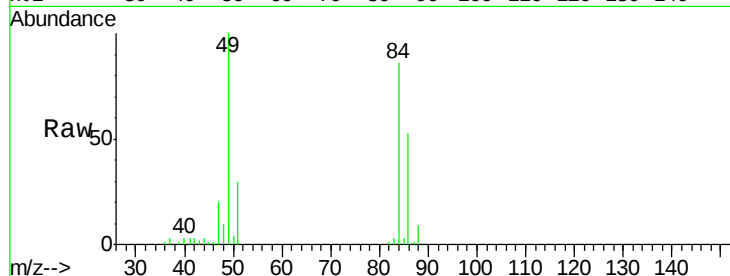




#20
Methvlene Chloride
Concen: 9.714 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

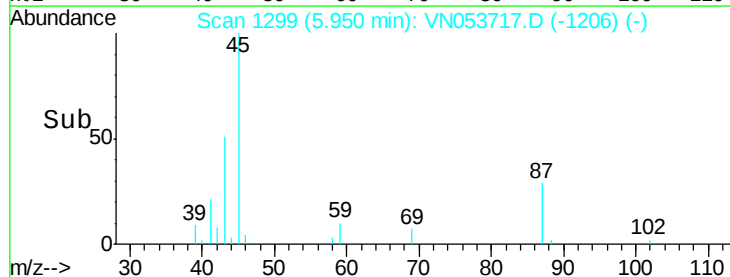
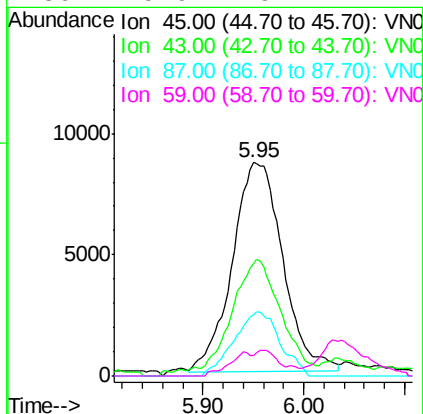
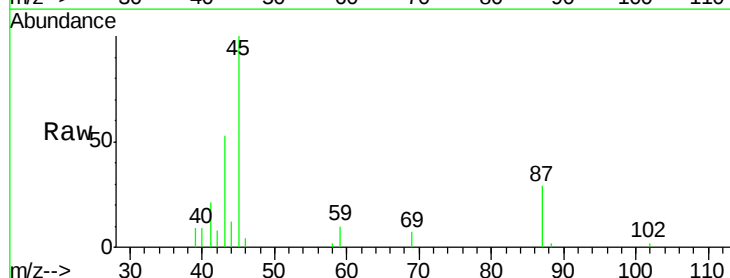
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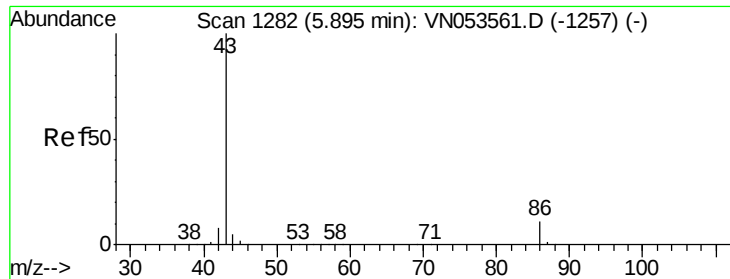
Tot Ion: 84 Resp: 80243
Ion Ratio Lower Upper
84 100
49 116.5 94.3 141.5
51 34.4 29.4 44.2
86 62.2 51.4 77.0



#22
Diisopropyl ether
Concen: 1.427 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 45 Resp: 29841
Ion Ratio Lower Upper
45 100
43 50.7 44.2 66.4
87 29.4 22.7 34.1
59 9.9 9.4 14.2





#23

Vinyl Acetate

Concen: 1.094 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.06 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

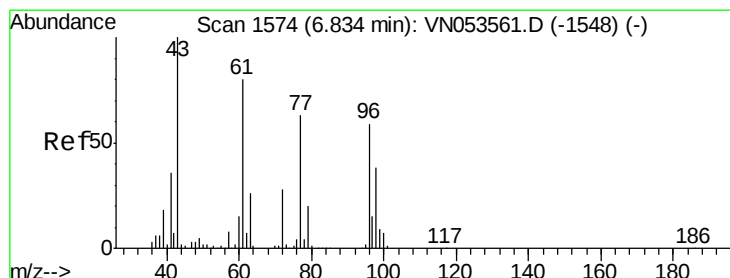
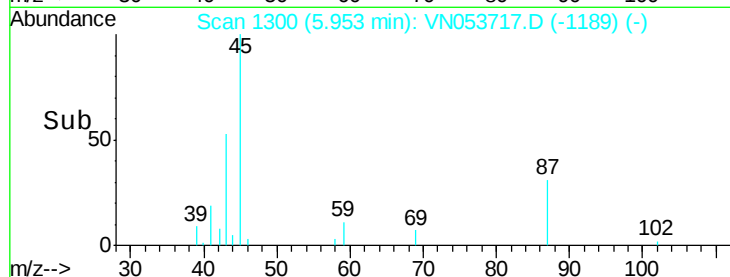
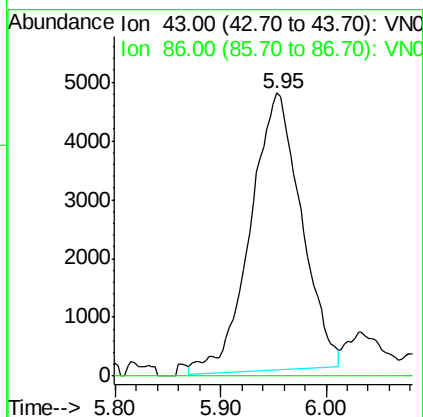
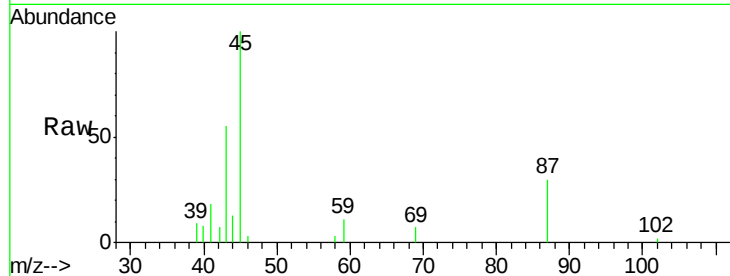
30228

Tot Ion: 43 Resp: 15819

Ion Ratio Lower Upper

43 100

86 0.0 8.4 12.6#



#25

2-Butanone

Concen: 75.156 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053717.D

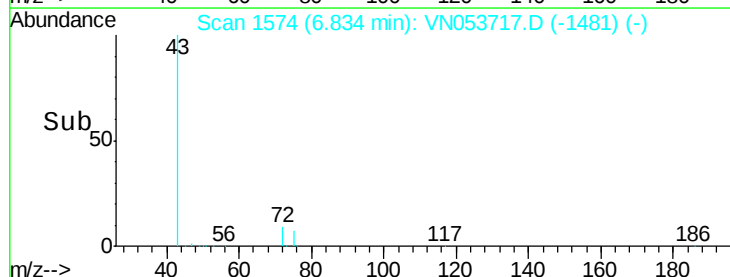
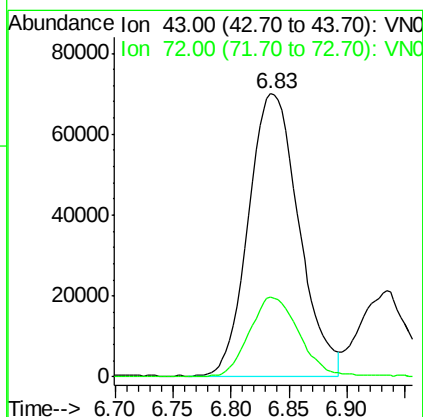
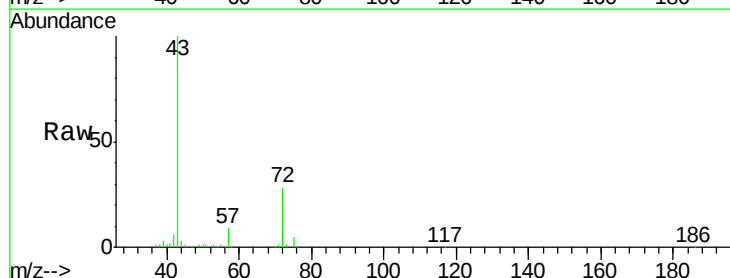
Acq: 11 Feb 2019 20:48

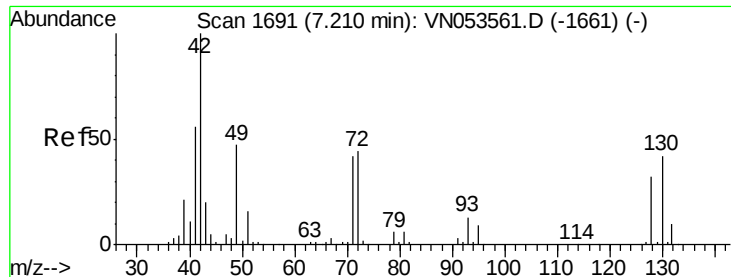
Tgt Ion: 43 Resp: 211059

Ion Ratio Lower Upper

43 100

72 28.3 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.648 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

30228

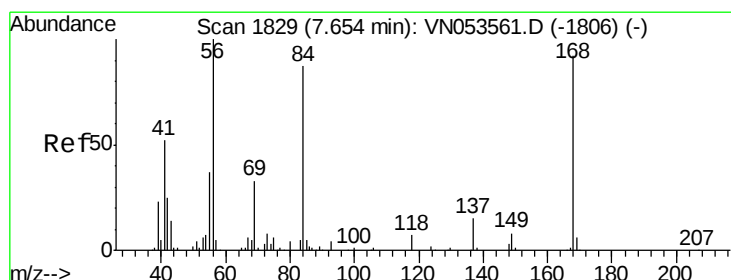
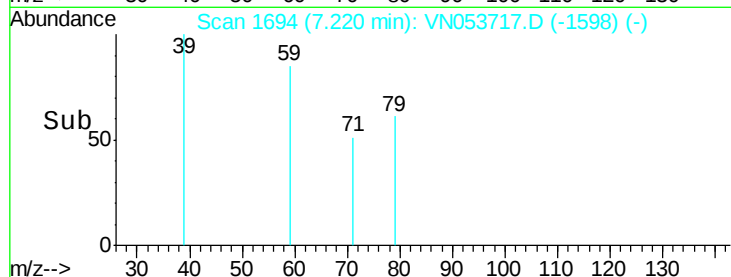
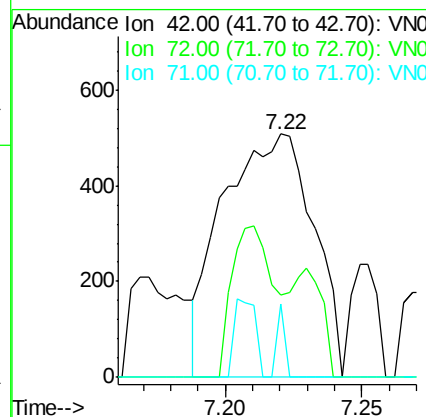
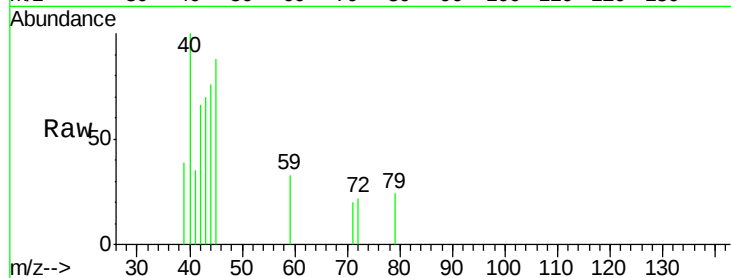
Tot Ion: 42 Resp: 1169

Ion Ratio Lower Upper

42 100

72 13.1 35.2 52.8#

71 2.6 33.0 49.4#



#31

Cyclohexane

Concen: 1.721 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

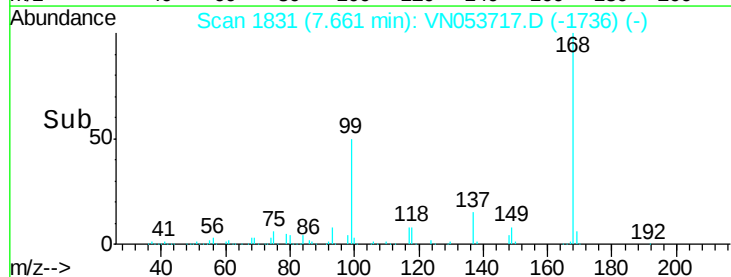
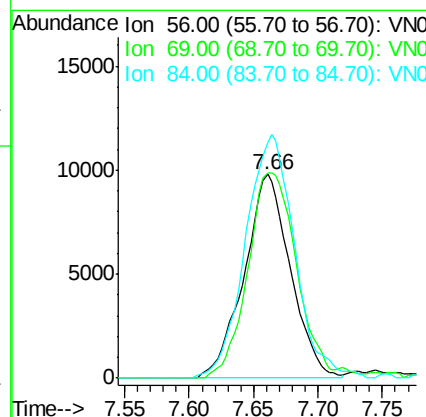
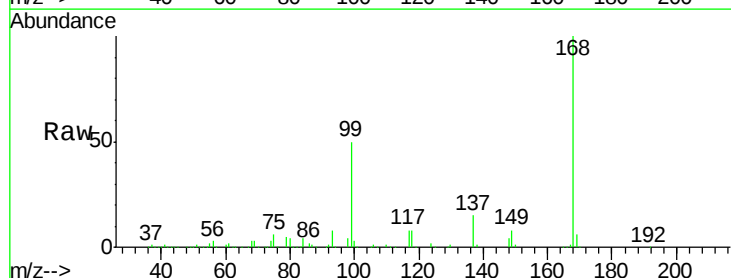
Tgt Ion: 56 Resp: 24465

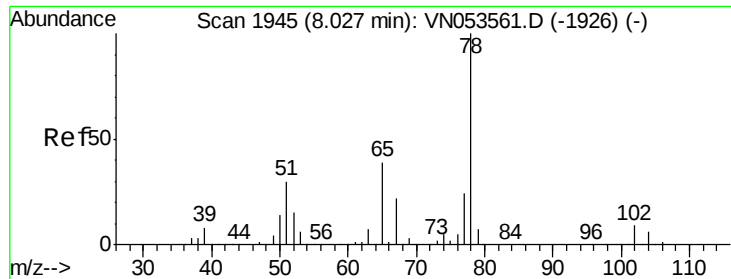
Ion Ratio Lower Upper

56 100

69 101.1 26.4 39.6#

84 116.1 67.9 101.9#

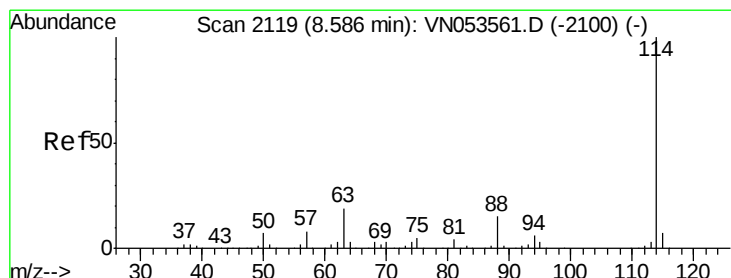
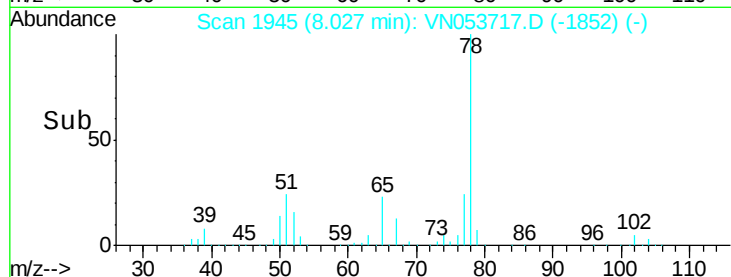
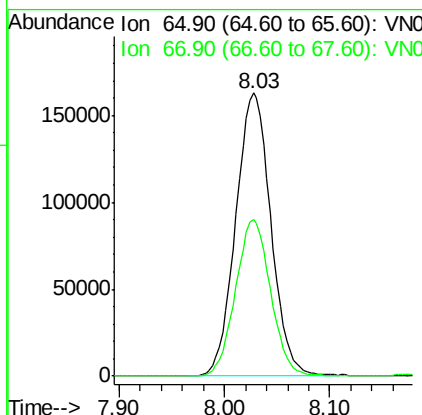
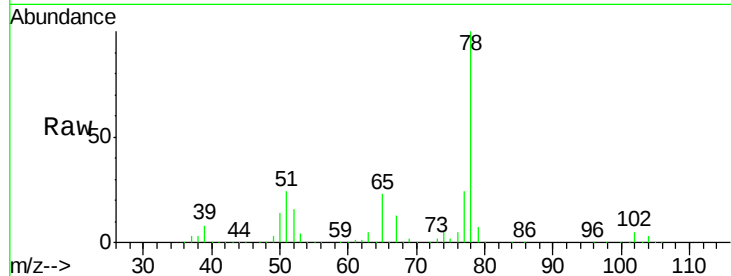




#33
 1,2-Dichloroethane-d4
 Concen: 49.204 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

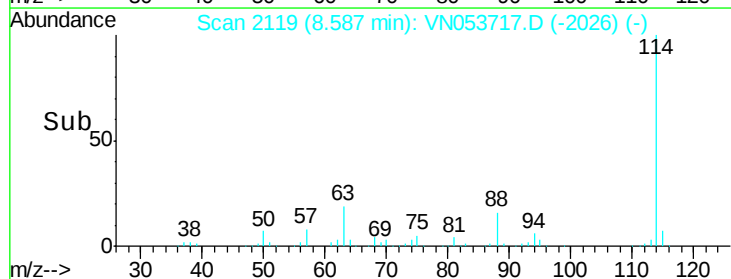
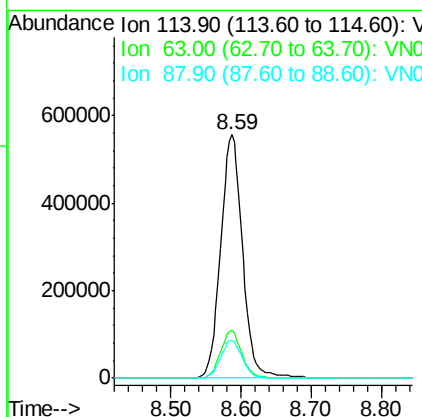
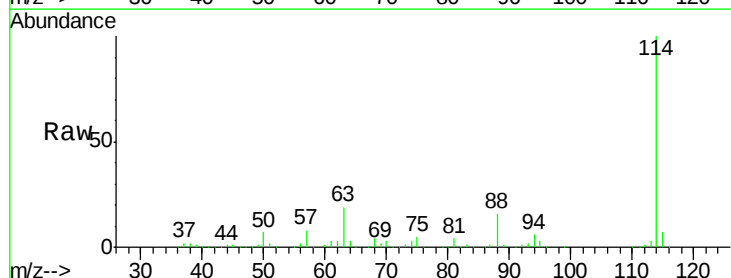
Instrument :
 MSVOA_N
 ClientSampleId :
 30228

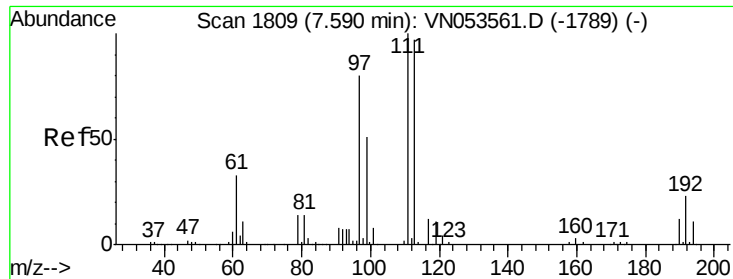
Tot Ion: 65 Resp: 377713
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 114 Resp: 1205134
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.6 0.0 30.4

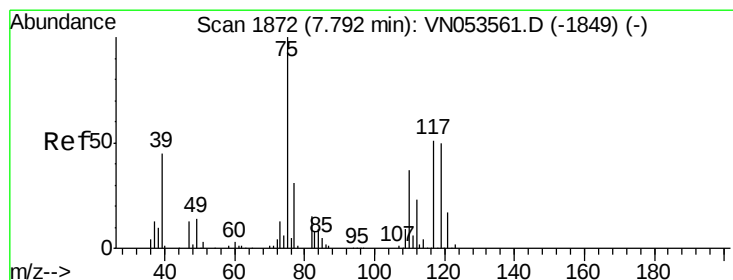
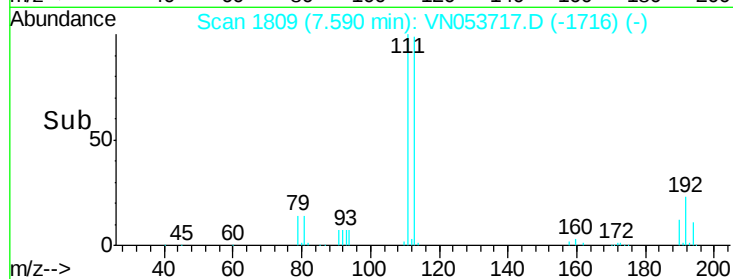
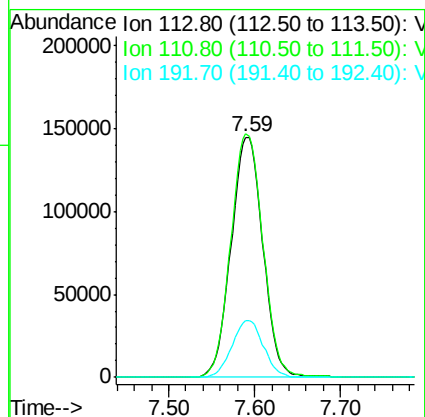
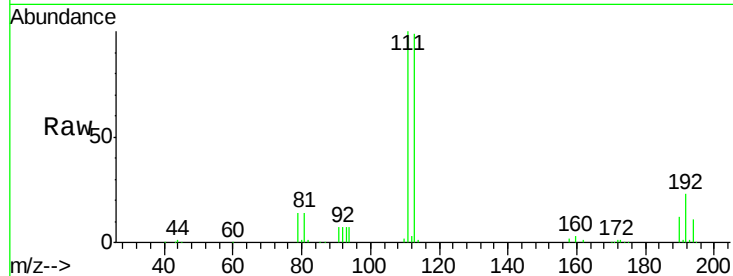




#35
 Dibromofluoromethane
 Concen: 48.847 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

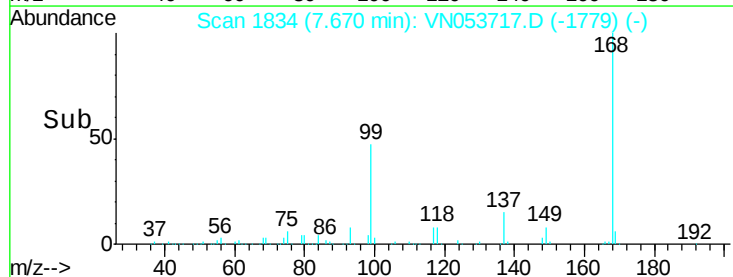
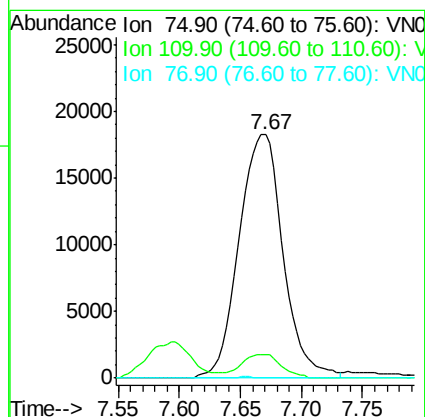
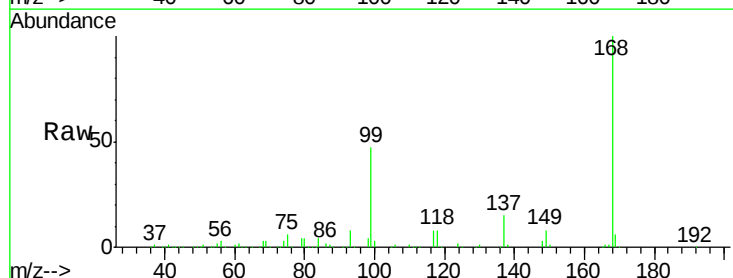
Instrument :
 MSVOA_N
 ClientSampleId :
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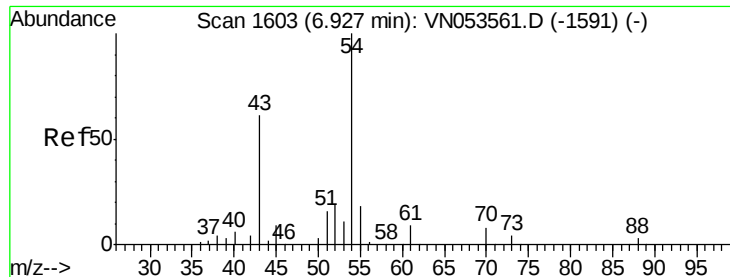
Tot Ion:113 Resp: 371961
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.1 121.7
 192 23.4 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.200 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 75 Resp: 45624
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 25.1 37.7#

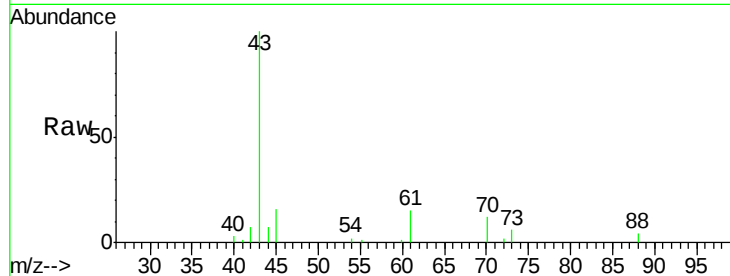




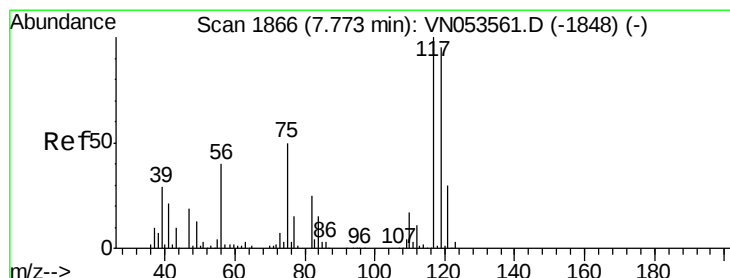
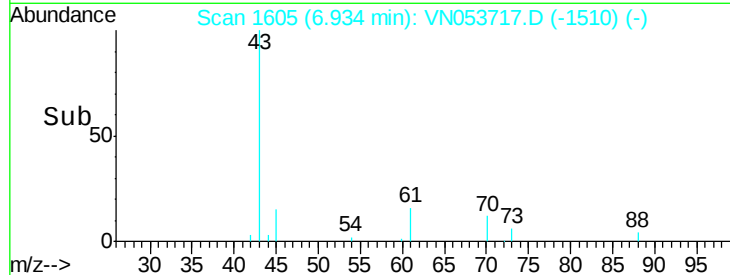
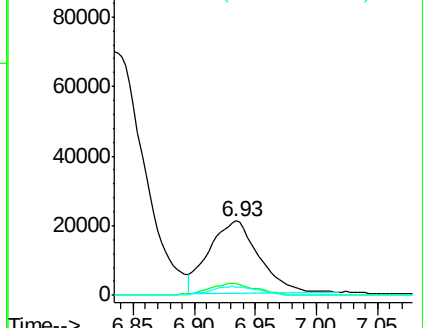
#37
Ethyl Acetate
Concen: 9.619 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
30228

Tot Ion: 43 Resp: 58364
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 12.1 8.6 12.8

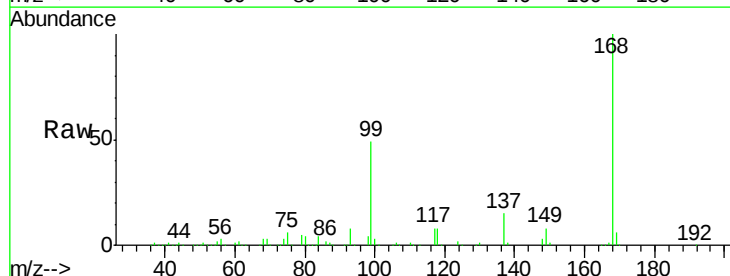


Abundance Ion 43.00 (42.70 to 43.70): VN053717.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN053717.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN053717.D (-1510) (-)

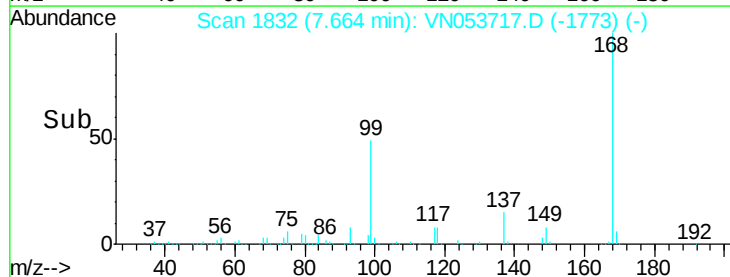
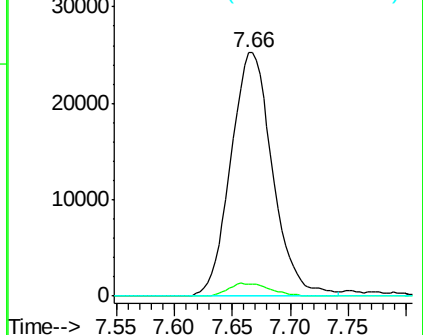


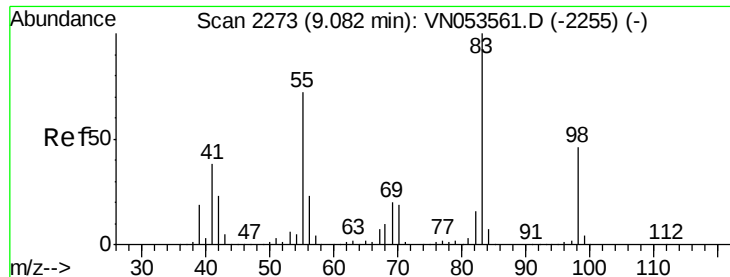
#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 117 Resp: 63217
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN053717.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN053717.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN053717.D (-1773) (-)

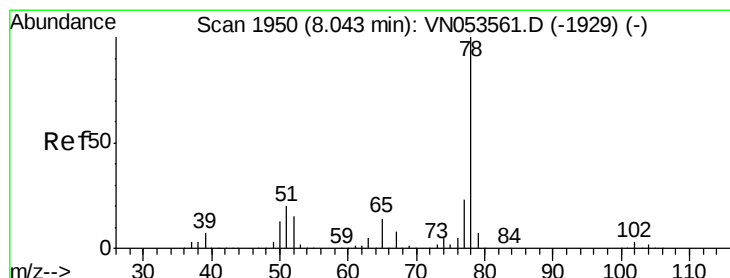
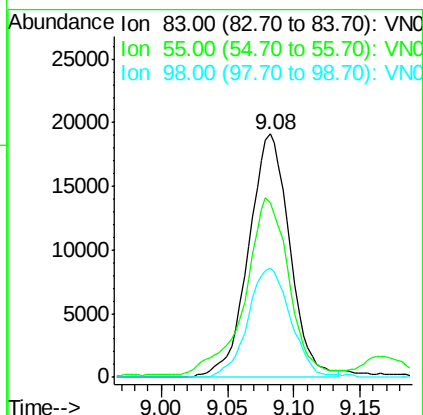
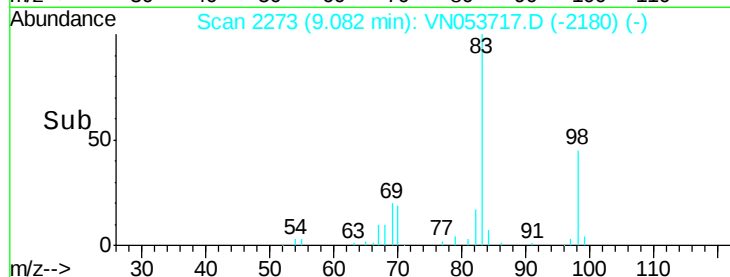
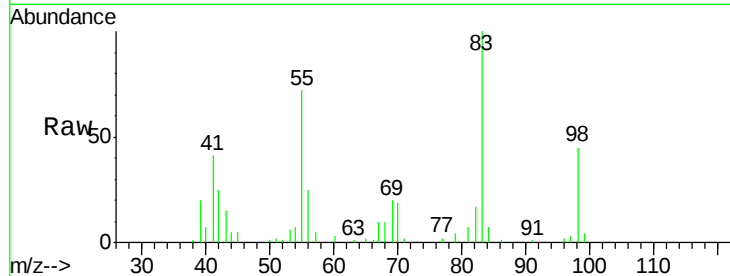




#39
Methvlcvclohexane
Concen: 3.204 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

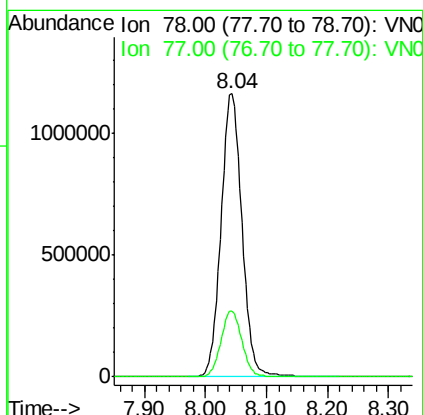
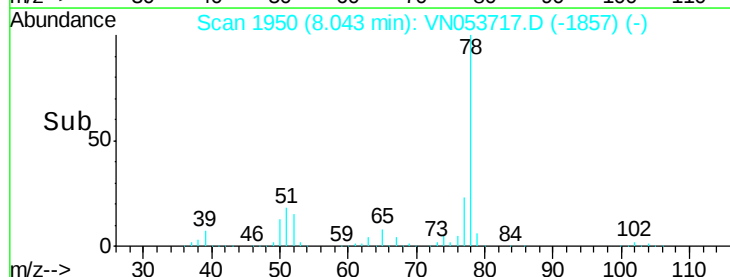
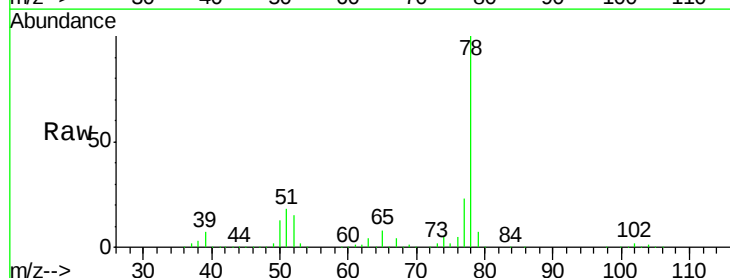
Instrument :
MSVOA_N
ClientSampled :
30228

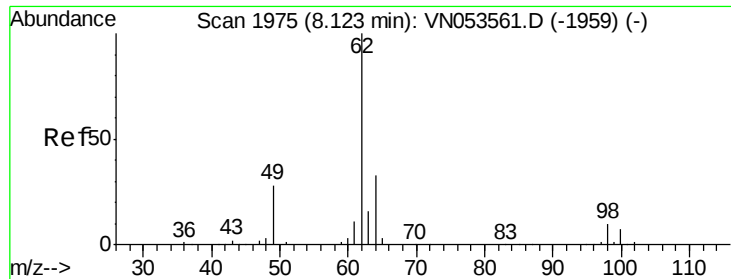
Tot Ion: 83 Resp: 41290
Ion Ratio Lower Upper
83 100
55 69.6 60.1 90.1
98 45.0 36.6 55.0



#40
Benzene
Concen: 82.193 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 78 Resp: 2753499
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

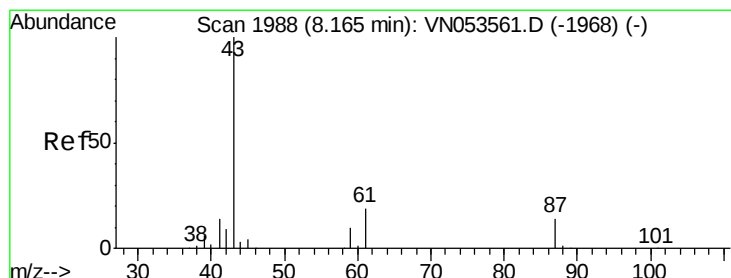
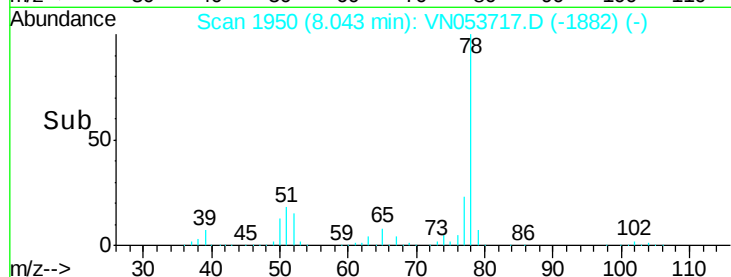
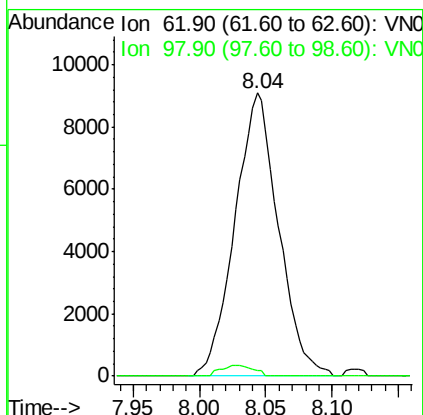
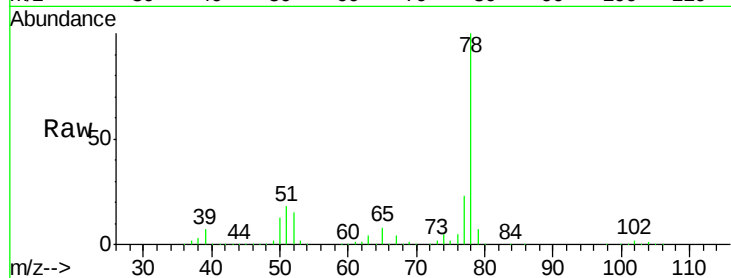




#42
 1,2-Dichloroethane
 Concen: 2.082 ug/l
 RT: 8.04 min Scan# 1950
 Delta R.T. -0.08 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

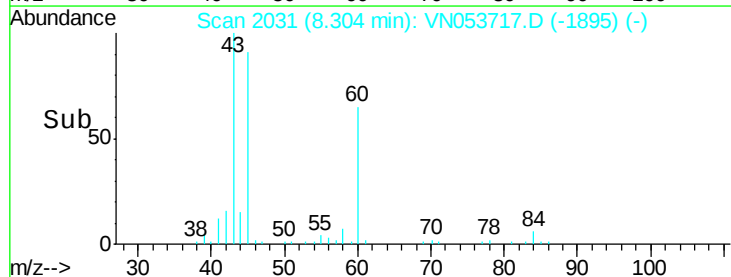
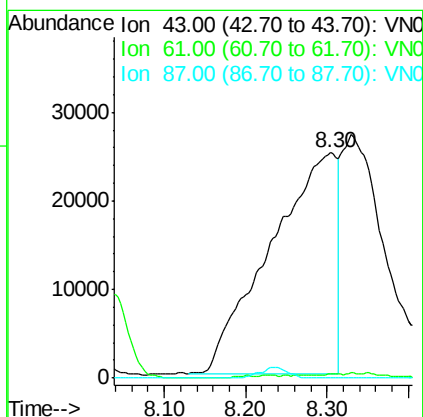
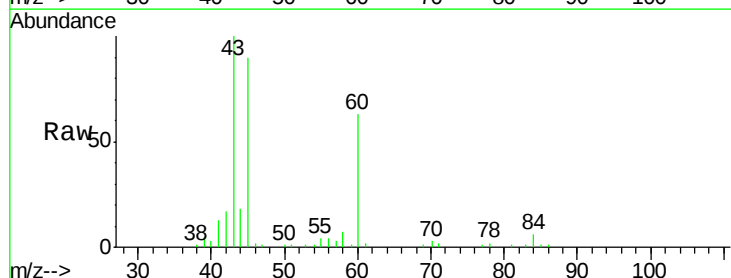
Instrument :
 MSVOA_N
 ClientSampleId :
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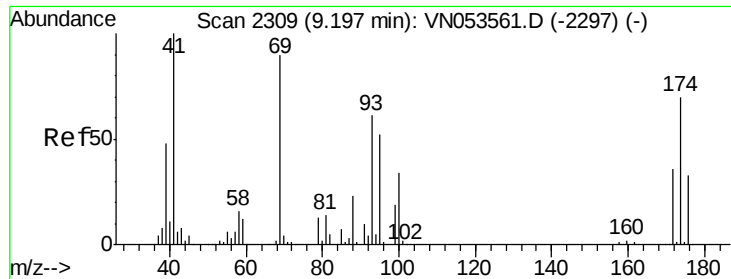
Tot Ion: 62 Resp: 20711
 Ion Ratio Lower Upper
 62 100
 98 2.8 0.0 19.6



#43
 Isopropyl Acetate
 Concen: 12.027 ug/l
 RT: 8.30 min Scan# 2031
 Delta R.T. 0.14 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 43 Resp: 140921
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.9 35.9#
 87 0.0 11.0 16.6#

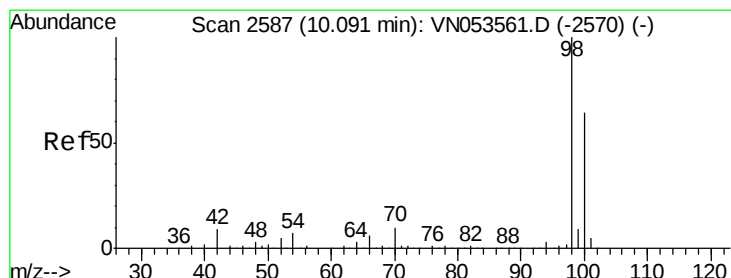
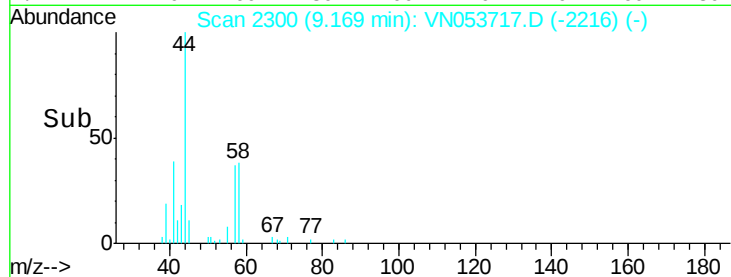
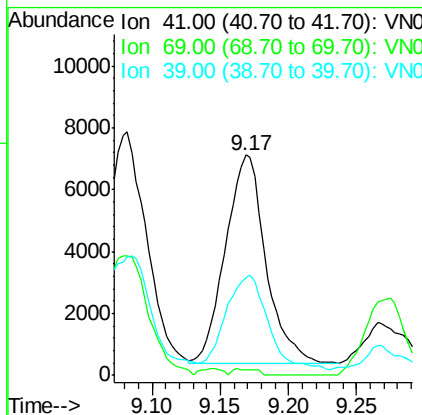
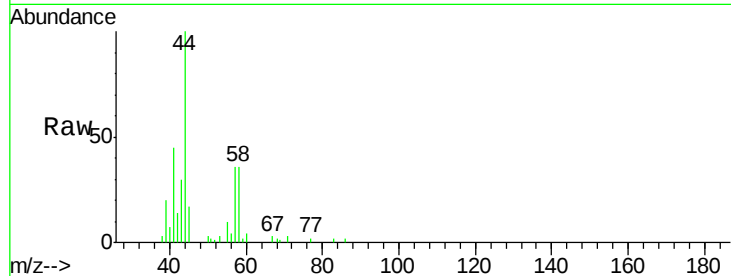




#48
Methvl methacrylate
Concen: 2.453 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

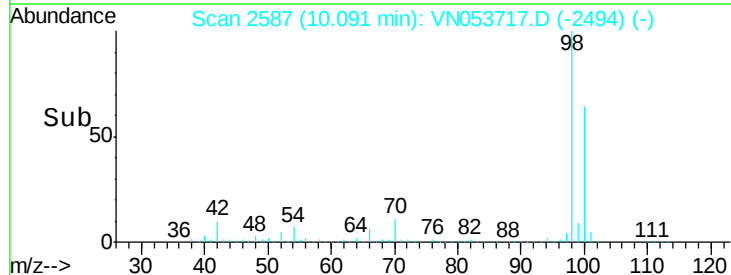
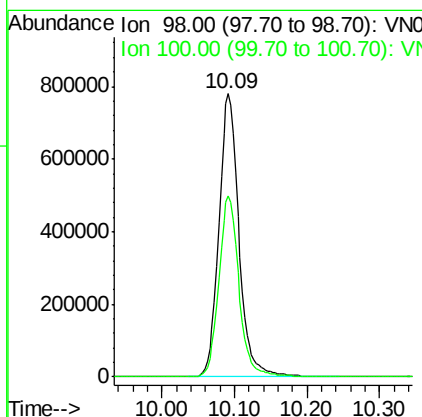
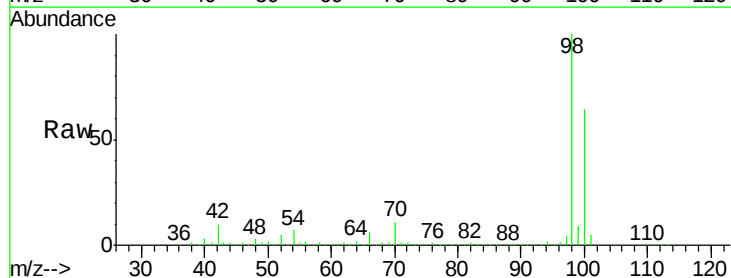
Instrument :
MSVOA_N
ClientSampled :
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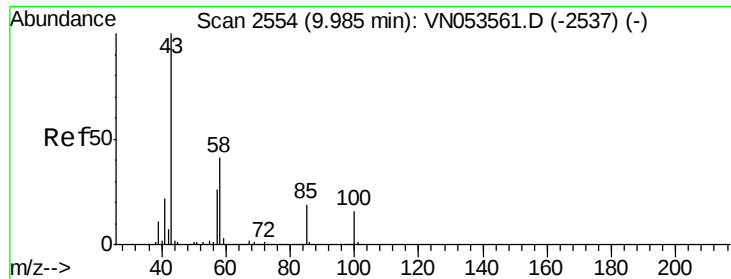
Tot Ion: 41 Resp: 13721
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 47.3 40.0 60.0



#50
Toluene-d8
Concen: 52.058 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 98 Resp: 1488451
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

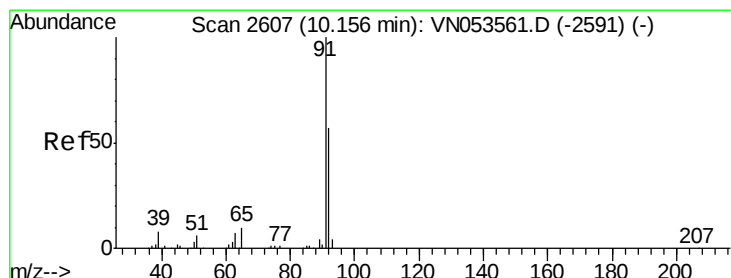
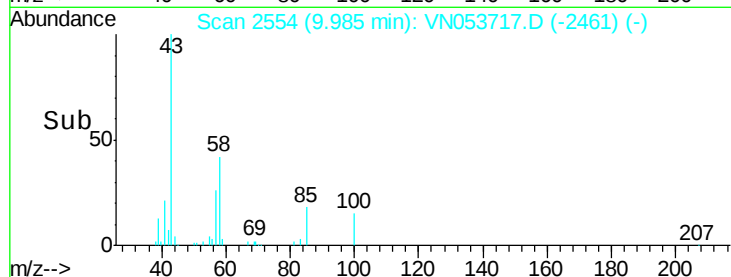
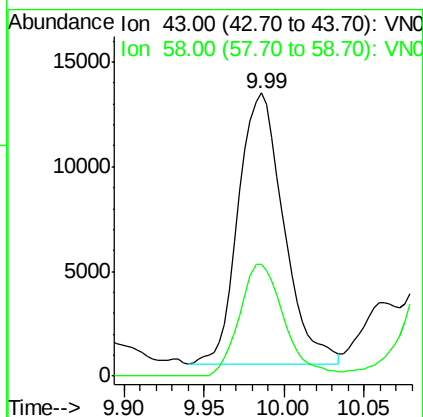
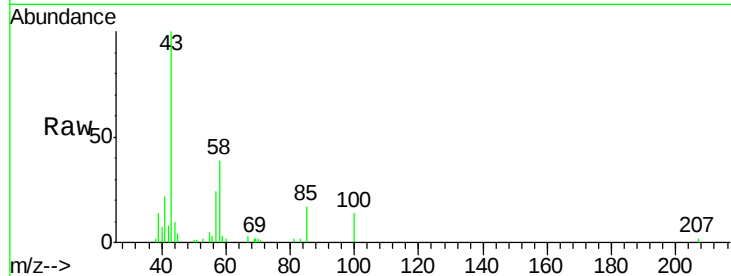




#51
 4-Methyl-2-Pentanone
 Concen: 4.393 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

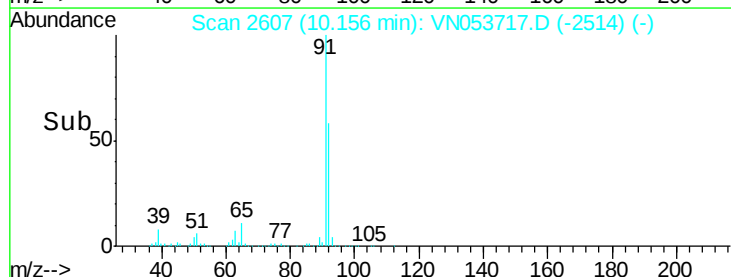
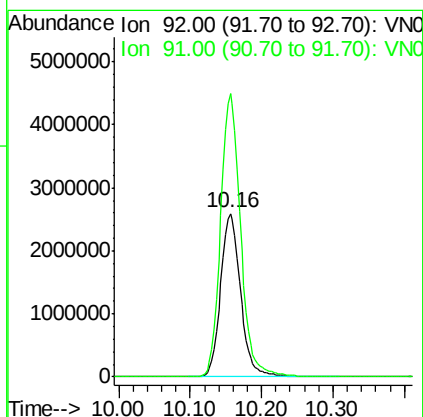
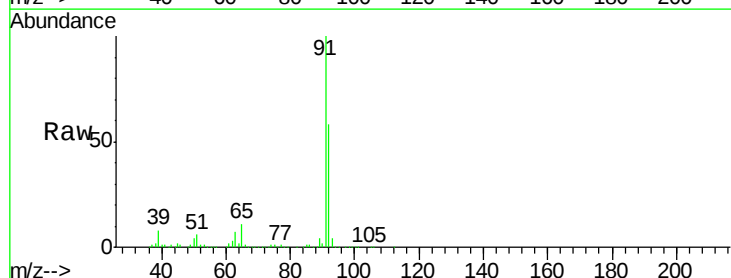
Instrument :
 MSVOA_N
 ClientSampled :
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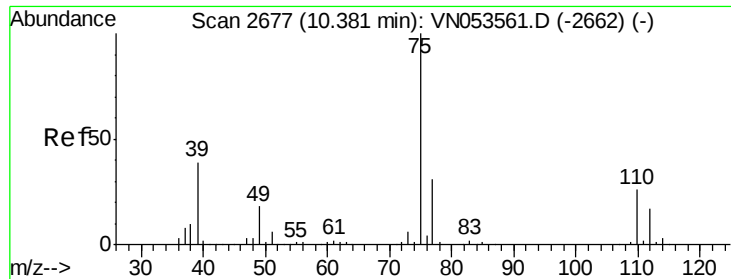
Tot Ion: 43 Resp: 25293
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.8 49.2



#52
 Toluene
 Concen: 253.042 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 92 Resp: 5031055
 Ion Ratio Lower Upper
 92 100
 91 173.8 139.9 209.9

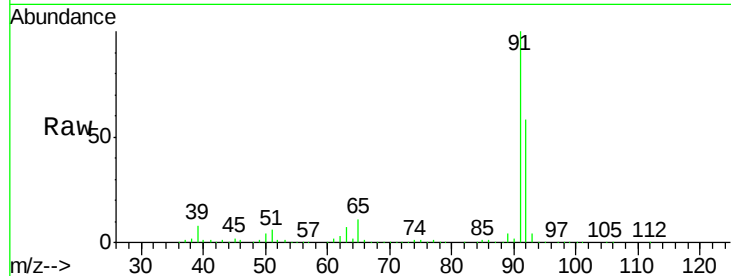




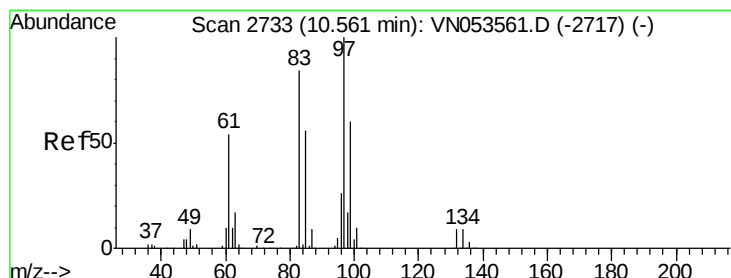
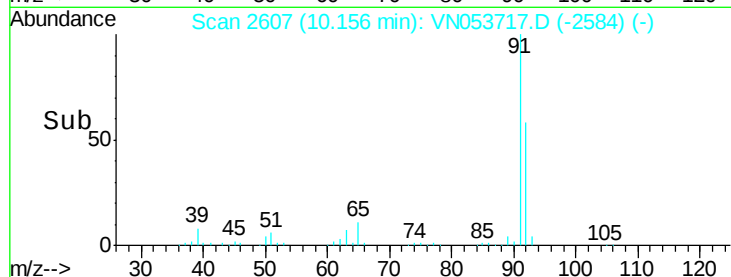
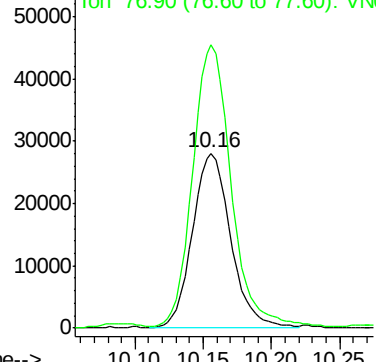
#53
t-1,3-Dichloropropene
Concen: 5.112 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.22 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Instrument :
MSVOA_N
ClientSampled :
30228

Tot Ion: 75 Resp: 54975
Ion Ratio Lower Upper
75 100
77 160.8 25.5 38.3#

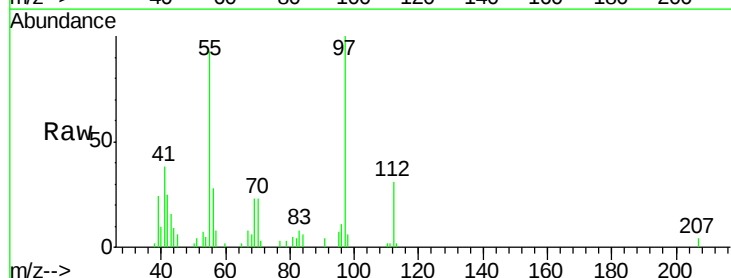


Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC

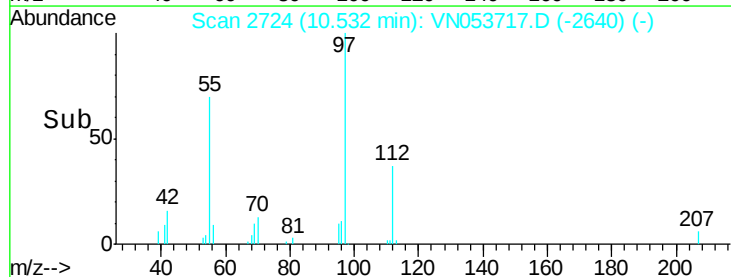
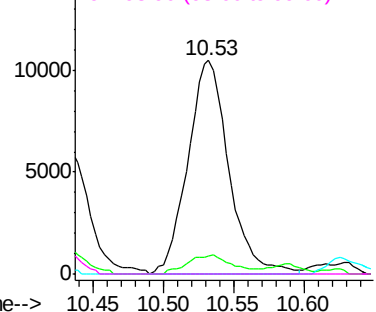


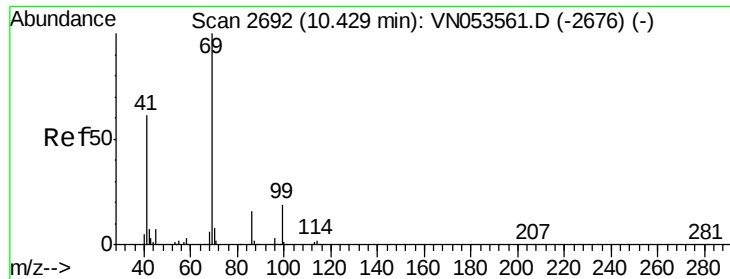
#55
1,1,2-Trichloroethane
Concen: 2.973 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.03 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 97 Resp: 21300
Ion Ratio Lower Upper
97 100
83 8.5 70.1 105.1#
85 0.0 45.4 68.0#
99 0.0 49.8 74.8#



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





#56

Ethyl methacrylate

Concen: 1.576 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

30228

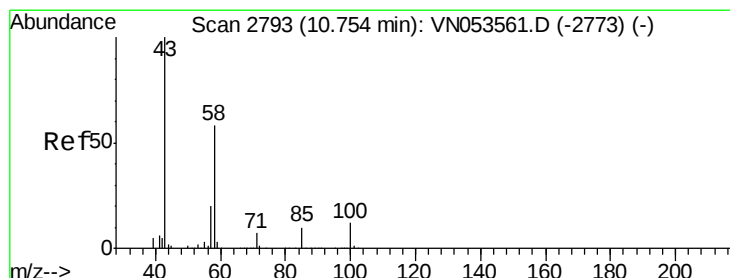
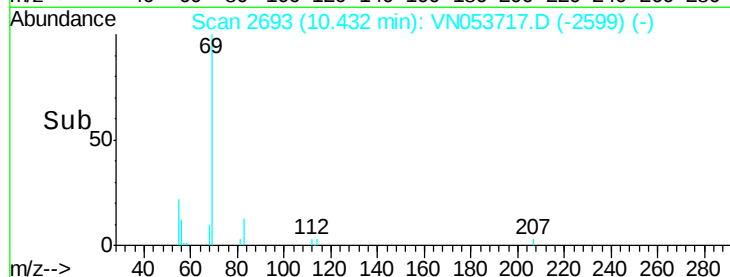
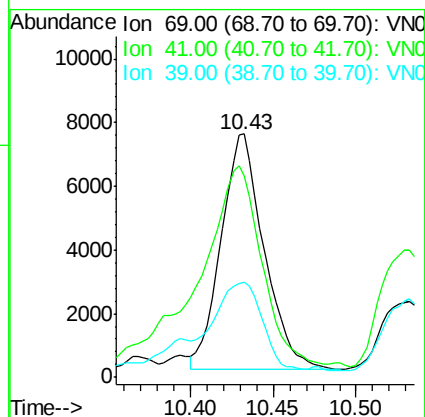
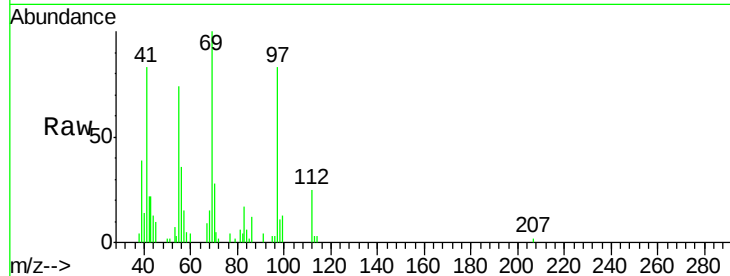
Tot Ion: 69 Resp: 13359

Ion Ratio Lower Upper

69 100

41 120.6 49.4 74.0#

39 0.0 23.3 34.9#



#59

2-Hexanone

Concen: 3.133 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053717.D

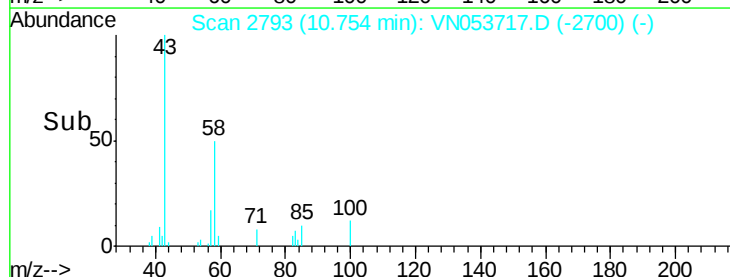
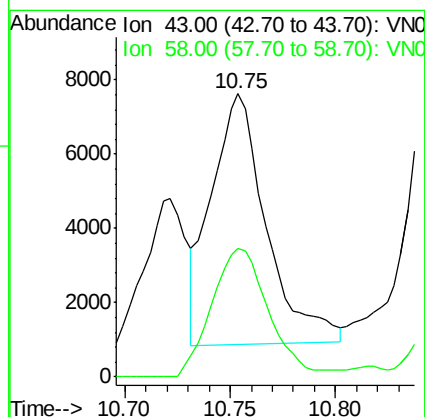
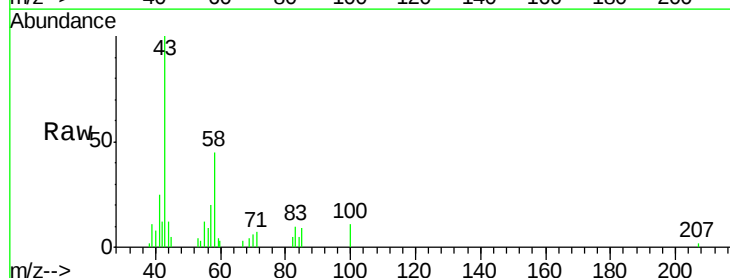
Acq: 11 Feb 2019 20:48

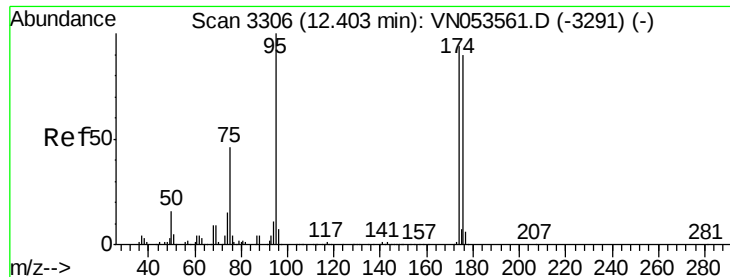
Tgt Ion: 43 Resp: 12248

Ion Ratio Lower Upper

43 100

58 52.5 28.6 85.8





#62

4-Bromofluorobenzene

Concen: 55.524 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

30228

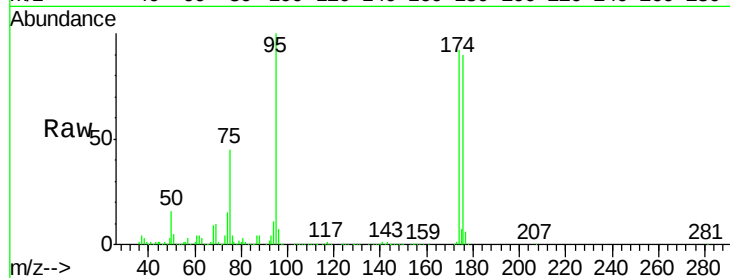
Tot Ion: 95 Resp: 529479

Ion Ratio Lower Upper

95 100

174 93.7 0.0 183.2

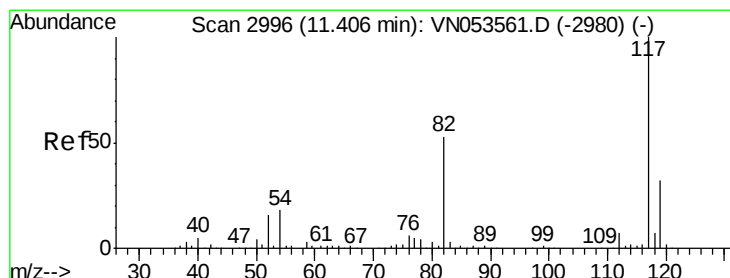
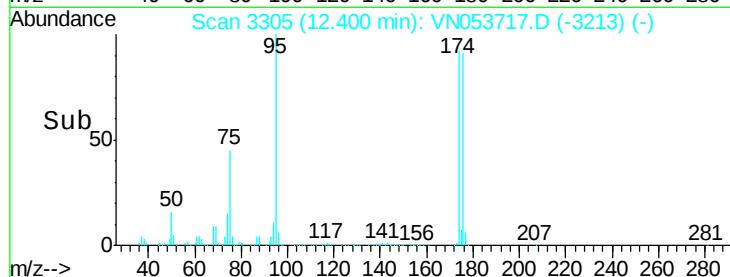
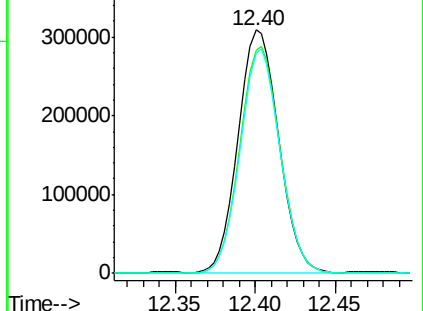
176 91.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053717.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053717.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053717.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

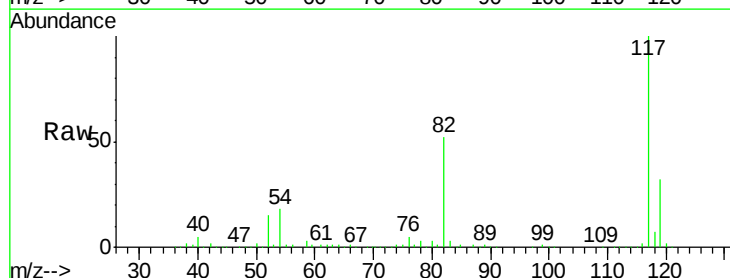
Tgt Ion: 117 Resp: 1148738

Ion Ratio Lower Upper

117 100

82 52.3 42.9 64.3

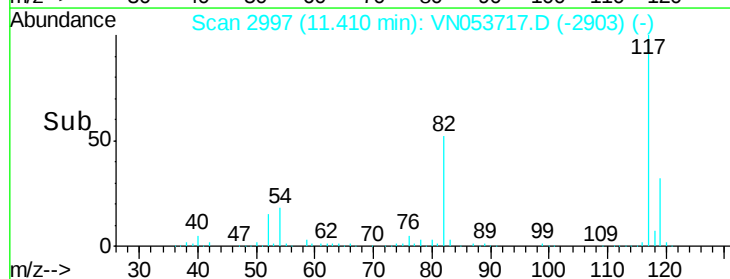
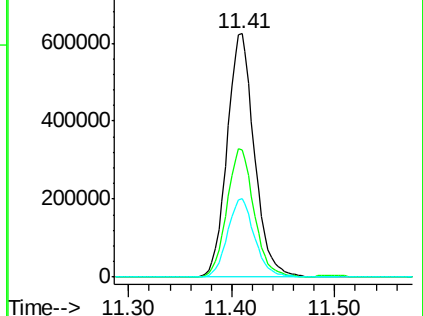
119 32.0 26.0 39.0

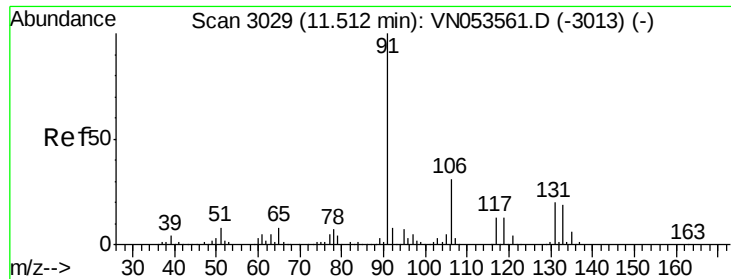


Abundance Ion 116.90 (116.60 to 117.60): VN053717.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053717.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053717.D (-2903) (-)

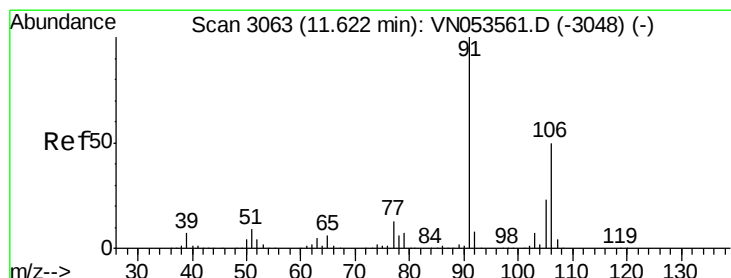
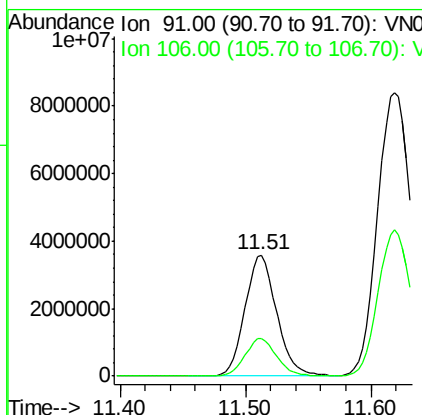
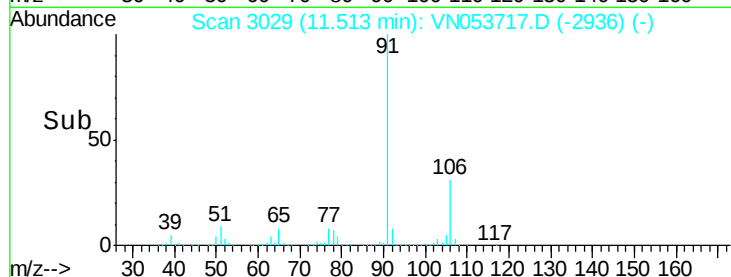
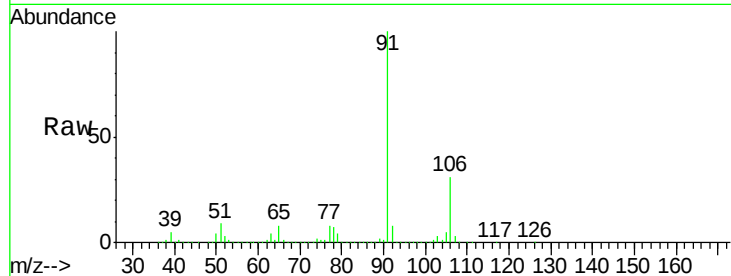




#67
Ethyl Benzene
Concen: 157.363 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

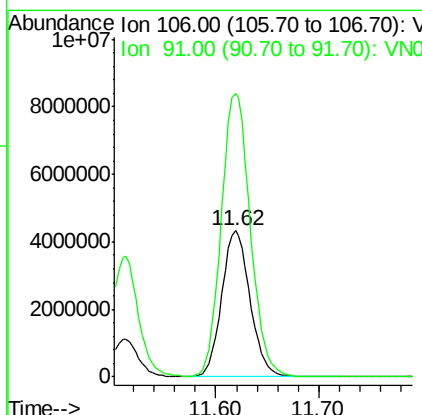
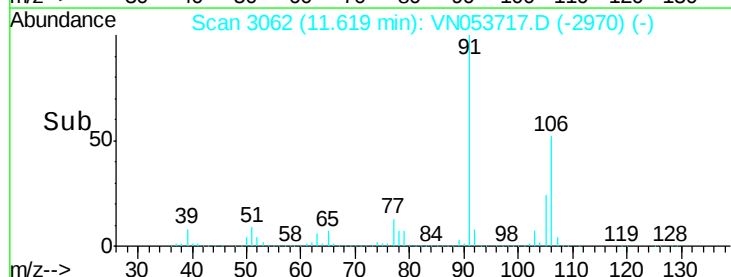
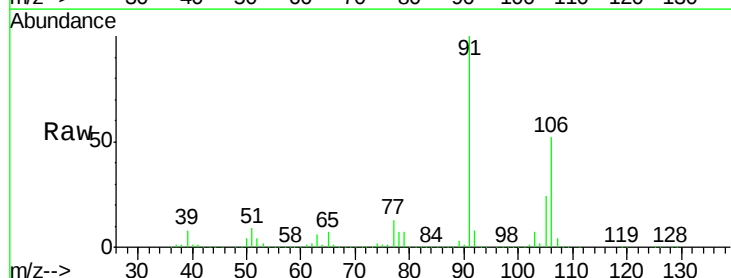
Instrument :
MSVOA_N
ClientSampled :
30228

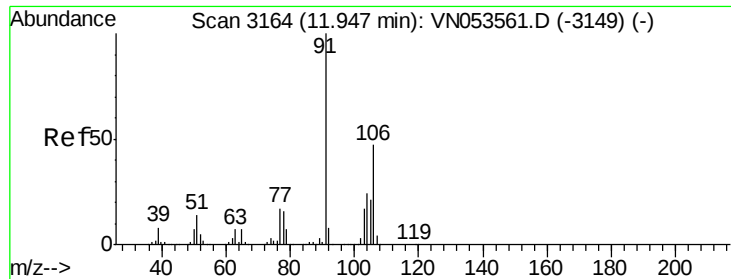
Tot Ion: 91 Resp: 6307463
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 541.142 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion: 106 Resp: 8278378
Ion Ratio Lower Upper
106 100
91 198.8 161.4 242.2

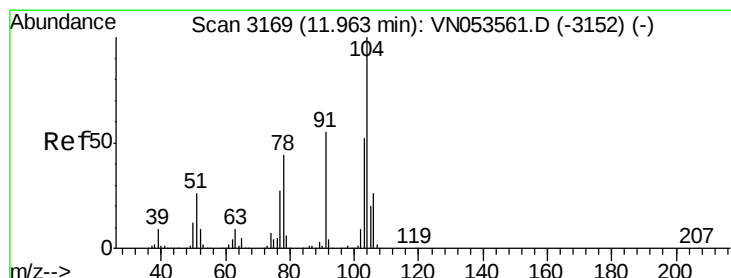
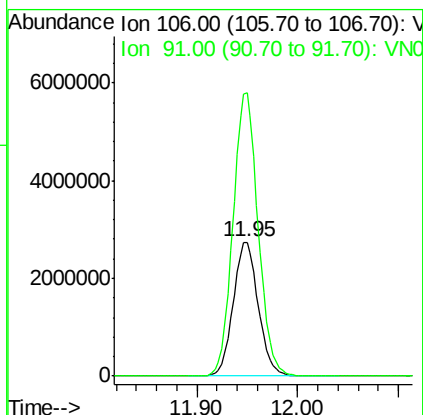
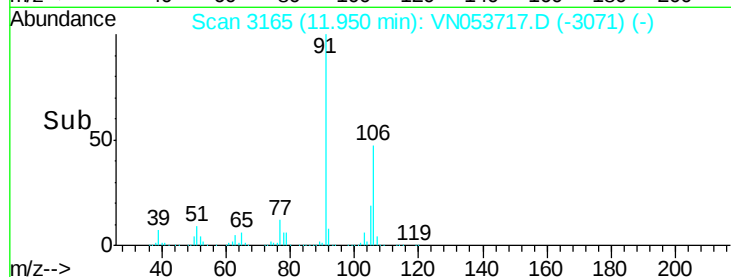
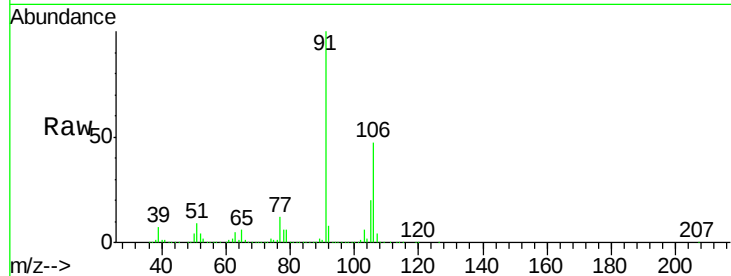




#69
o-Xylene
Concen: 318.702 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

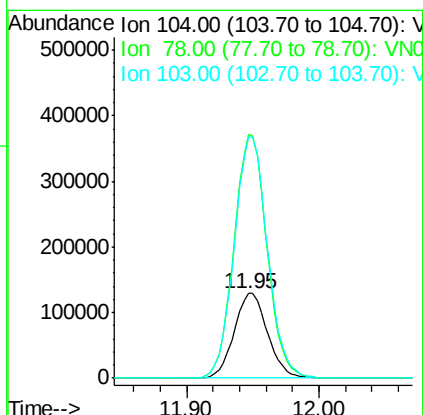
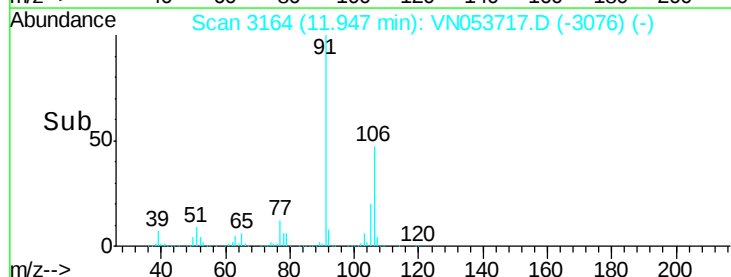
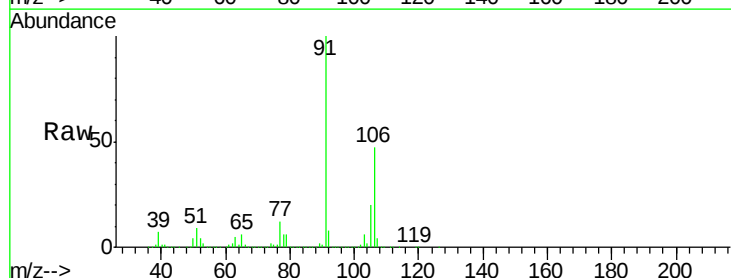
Instrument :
MSVOA_N
ClientSampled :
30228

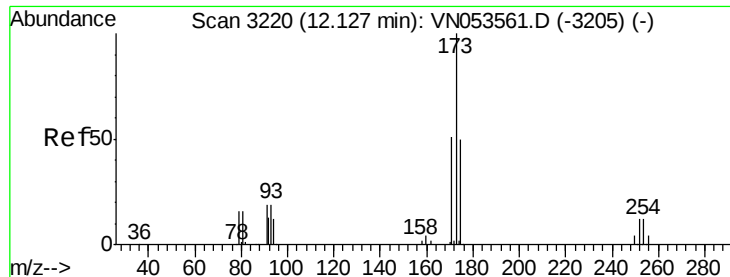
Tot Ion:106 Resp: 4710184
Ion Ratio Lower Upper
106 100
91 212.1 106.9 320.8



#70
Styrene
Concen: 9.463 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN053717.D
Acq: 11 Feb 2019 20:48

Tgt Ion:104 Resp: 226679
Ion Ratio Lower Upper
104 100
78 282.8 38.2 57.2#
103 283.2 44.4 66.6#





#71

Bromoform

Concen: 0.560 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

30228

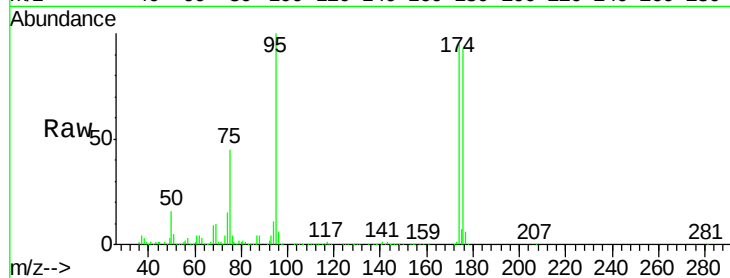
Tot Ion:173 Resp: 3273

Ion Ratio Lower Upper

173 100

175 948.4 24.6 74.0#

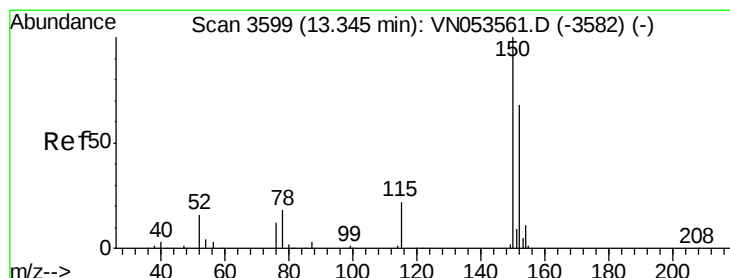
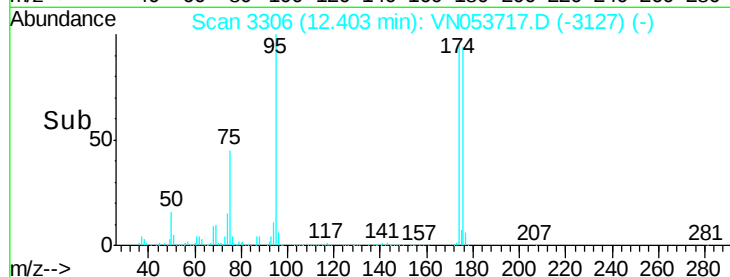
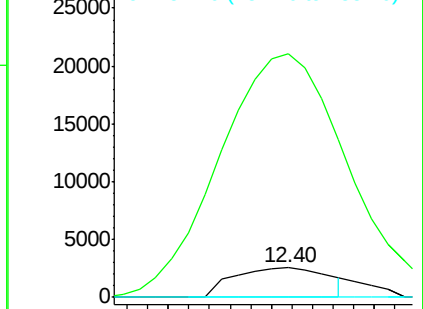
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

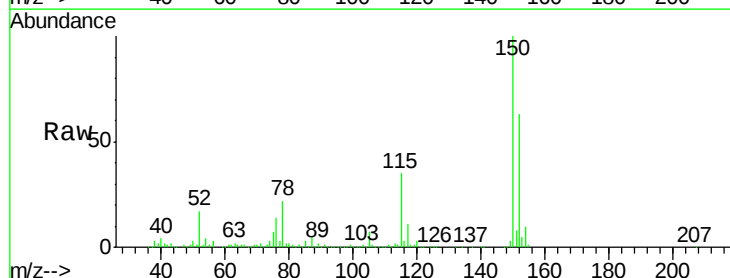
Tgt Ion:152 Resp: 556412

Ion Ratio Lower Upper

152 100

115 53.0 27.8 83.4

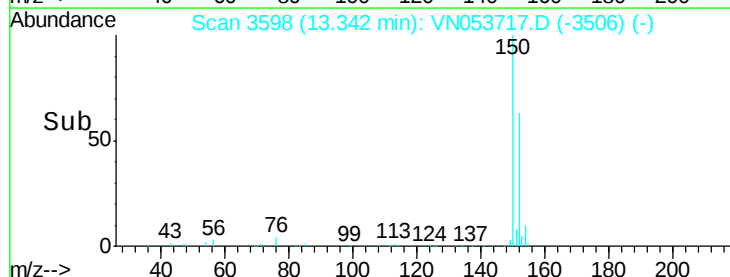
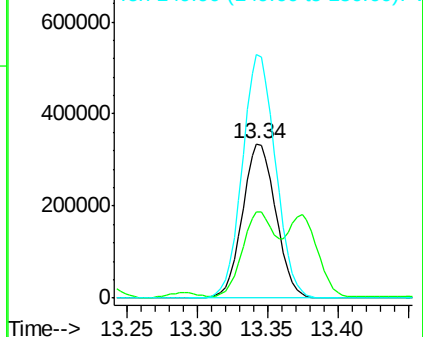
150 156.9 0.0 349.0

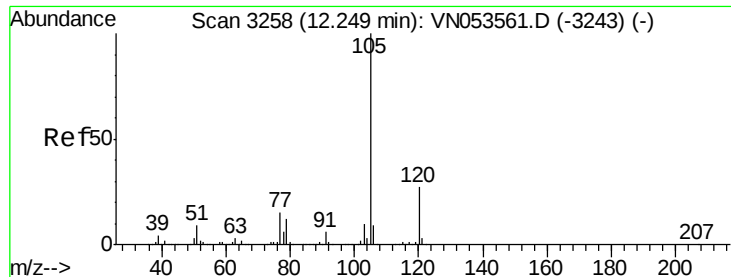


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.675 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

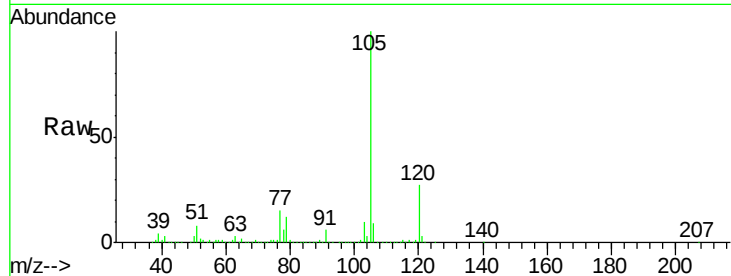
30228

Tot Ion:105 Resp: 926065

Ion Ratio Lower Upper

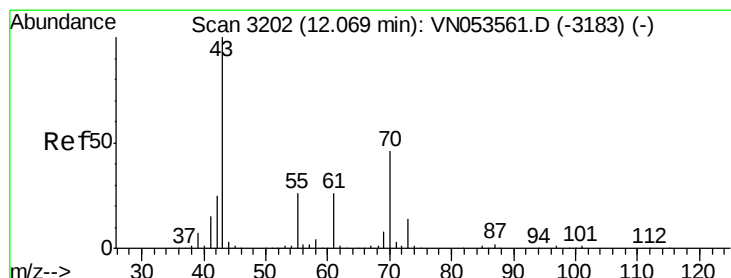
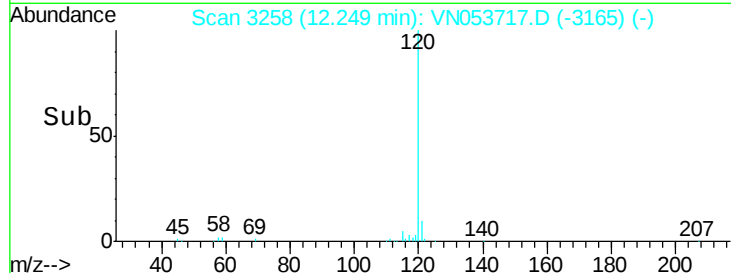
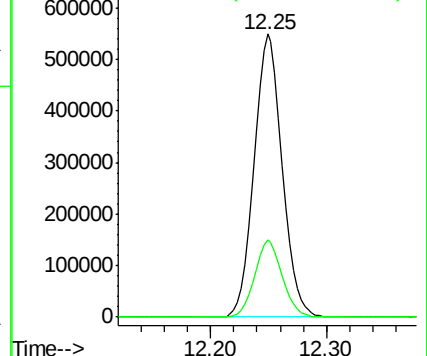
105 100

120 26.7 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-ethyl acetate

Concen: 3.800 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Tgt Ion: 43 Resp: 35746

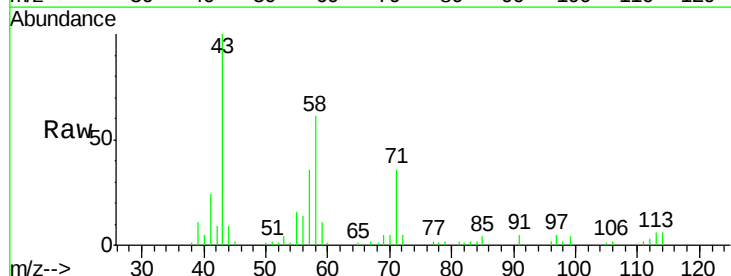
Ion Ratio Lower Upper

43 100

70 2.1 35.4 53.2#

55 0.0 20.9 31.3#

61 0.0 20.5 30.7#

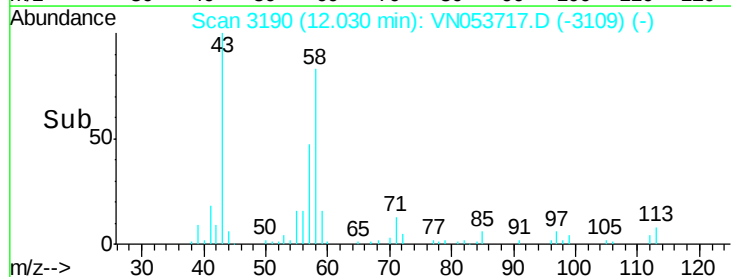
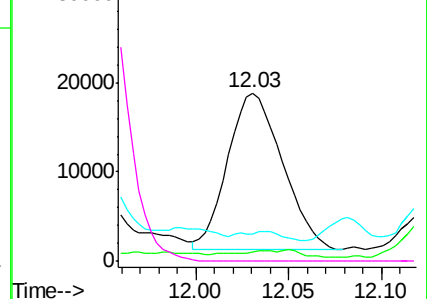


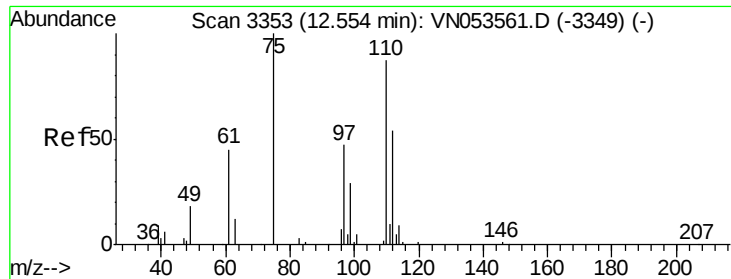
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

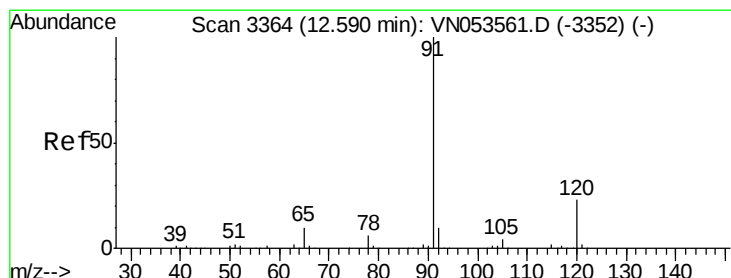
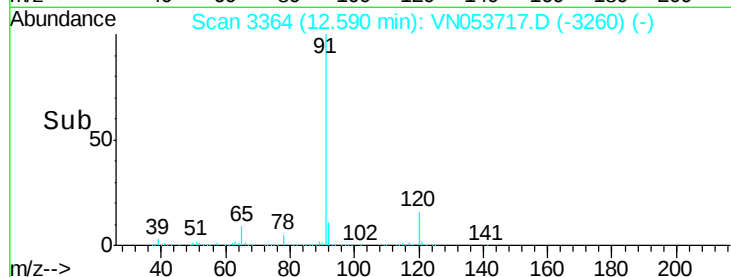
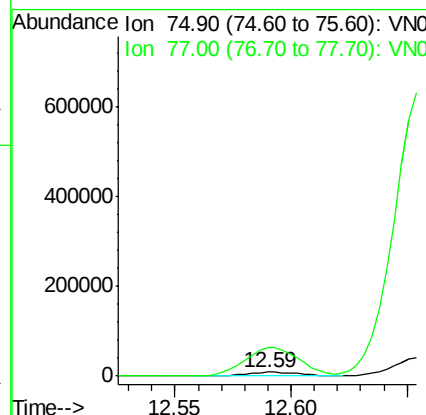
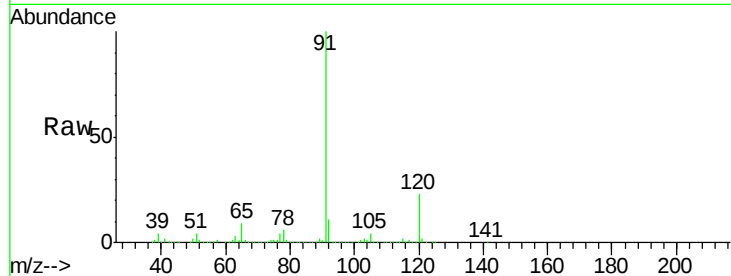




#76
 1,2,3-Trichloropropane
 Concen: 2.120 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. 0.04 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

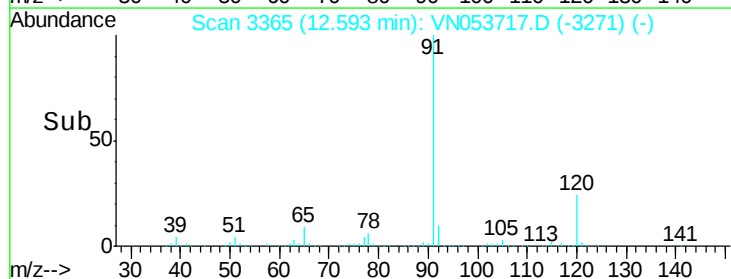
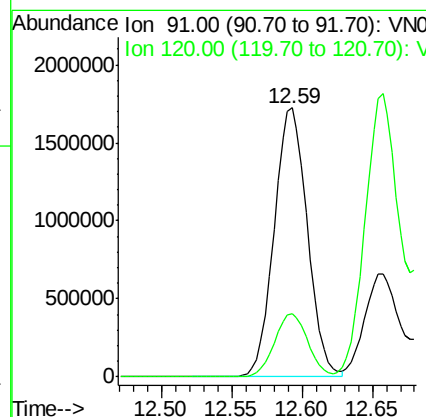
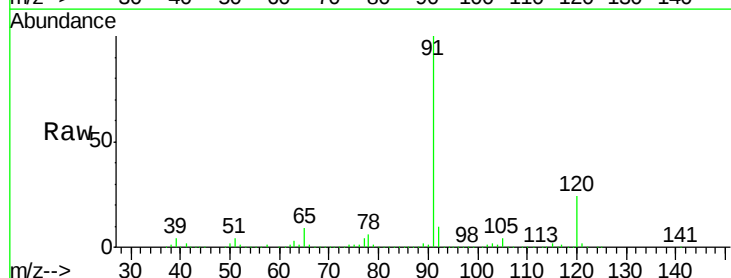
Instrument :
 MSVOA_N
 ClientSampled :
 30228

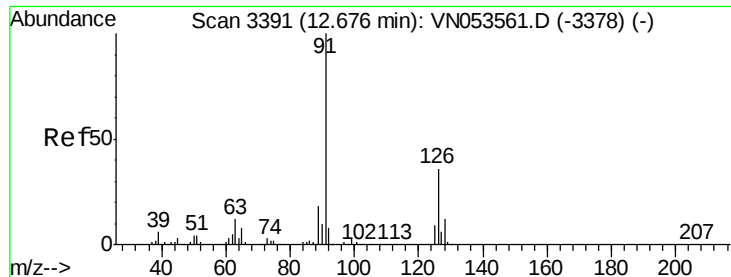
Tot Ion: 75 Resp: 15153
 Ion Ratio Lower Upper
 75 100
 77 682.6 0.0 0.0#



#78
 n-propylbenzene
 Concen: 62.082 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 91 Resp: 2807187
 Ion Ratio Lower Upper
 91 100
 120 23.6 11.9 35.5

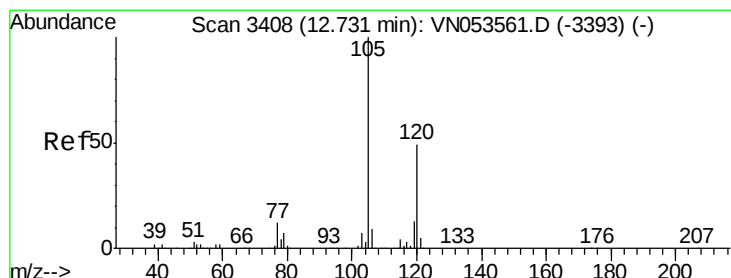
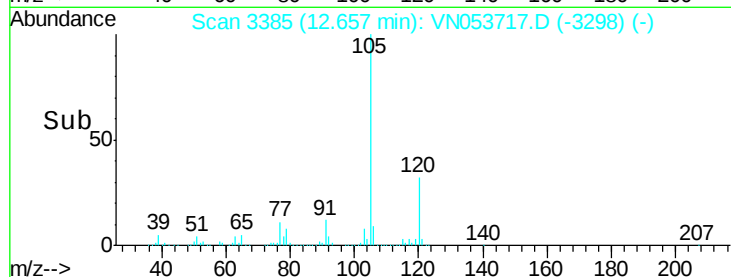
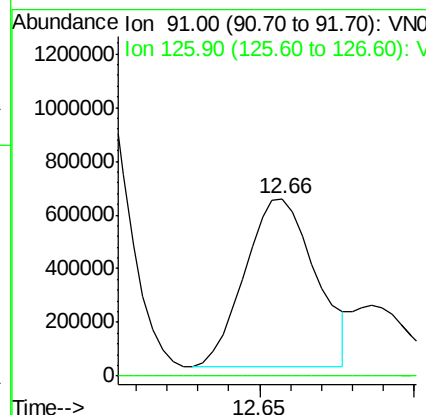
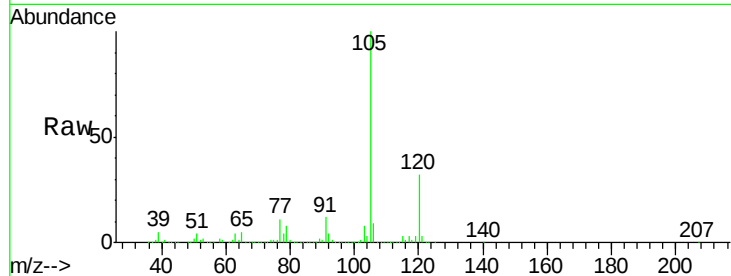




#79
 2-Chlorotoluene
 Concen: 37.140 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

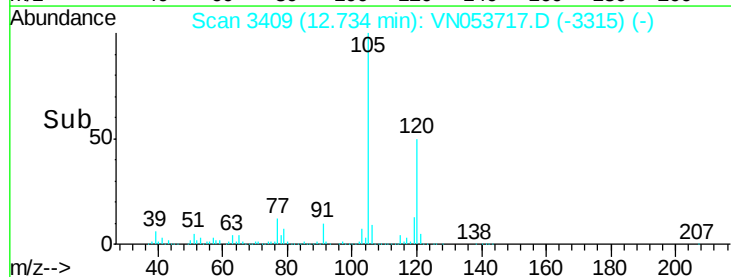
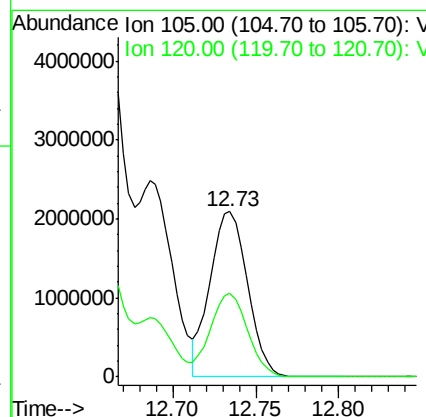
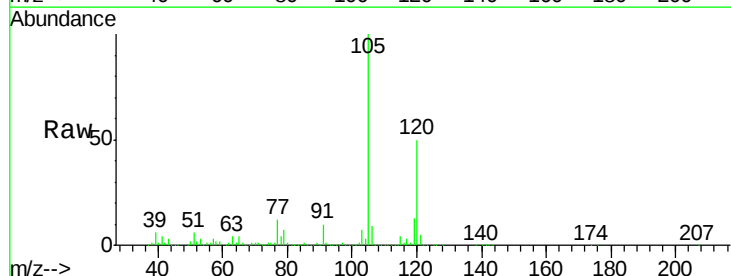
Instrument :
 MSVOA_N
 ClientSampled :
 30228

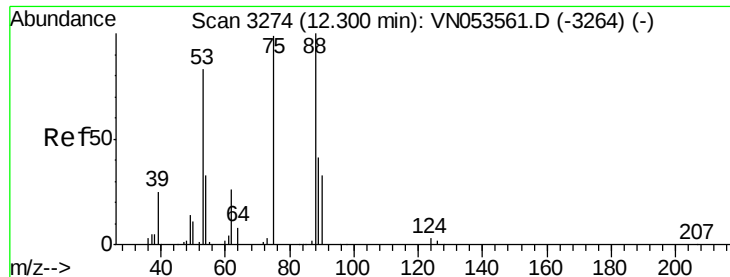
Tot Ion: 91 Resp: 996340
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 101.876 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 105 Resp: 3304426
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4.104 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

30228

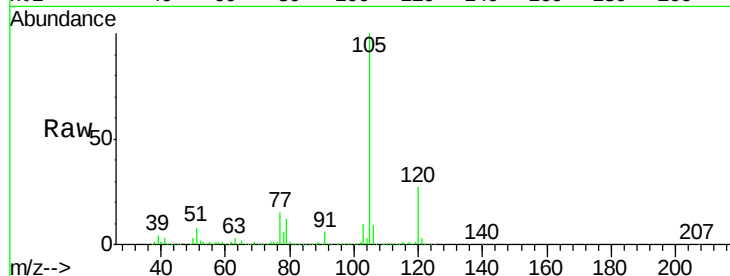
Tot Ion: 75 Resp: 10431

Ion Ratio Lower Upper

75 100

53 100.0 69.8 104.6

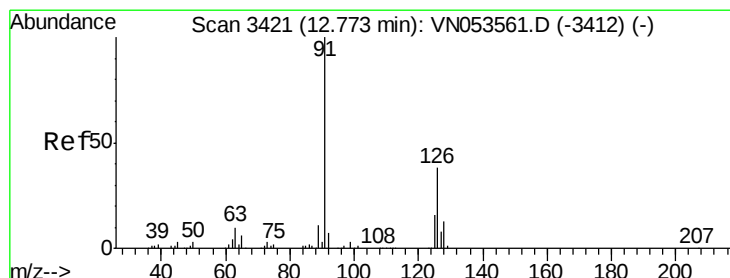
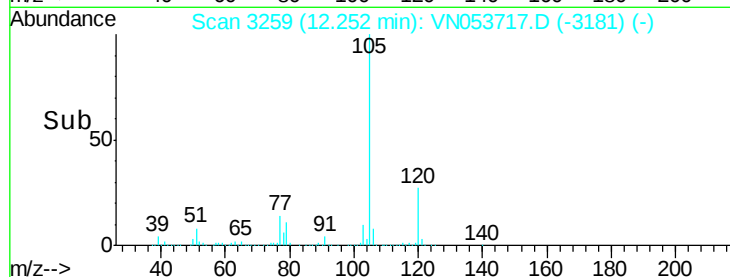
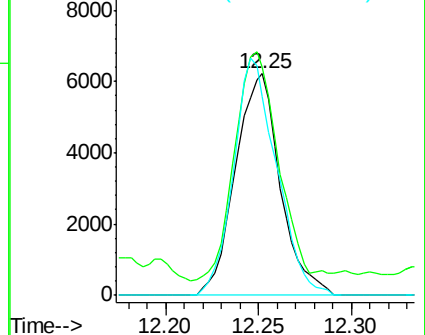
89 103.2 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 11.689 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053717.D

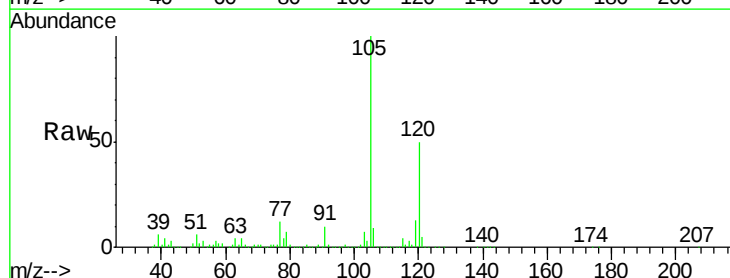
Acq: 11 Feb 2019 20:48

Tgt Ion: 91 Resp: 321783

Ion Ratio Lower Upper

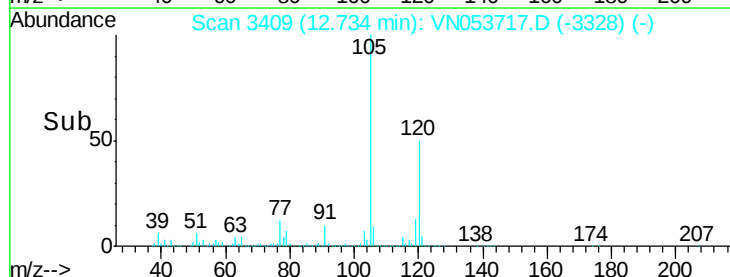
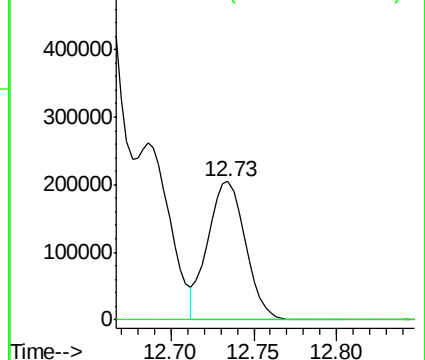
91 100

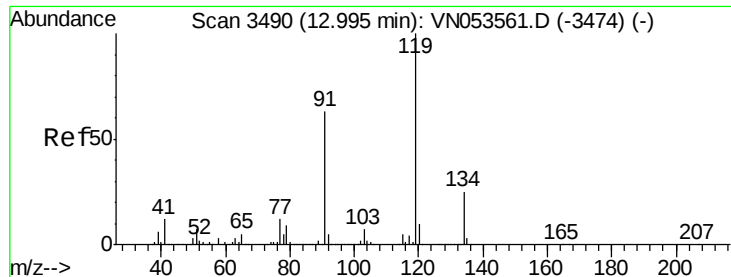
126 0.1 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

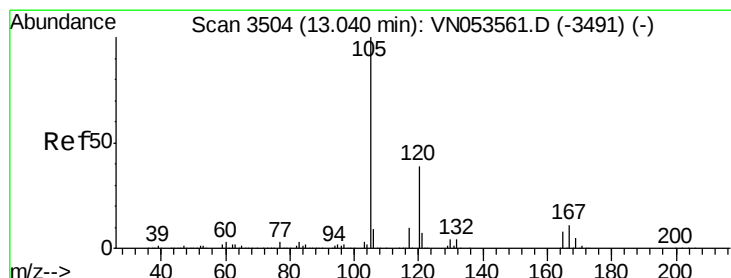
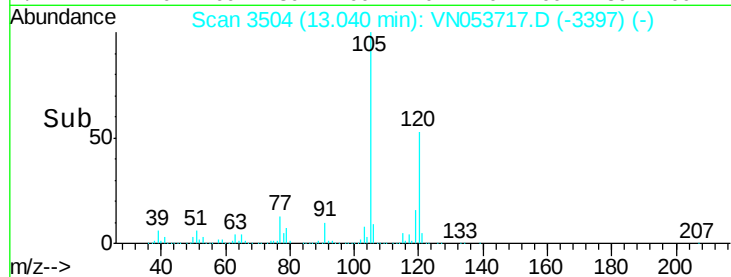
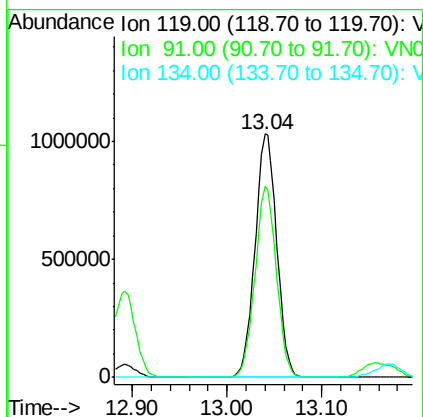
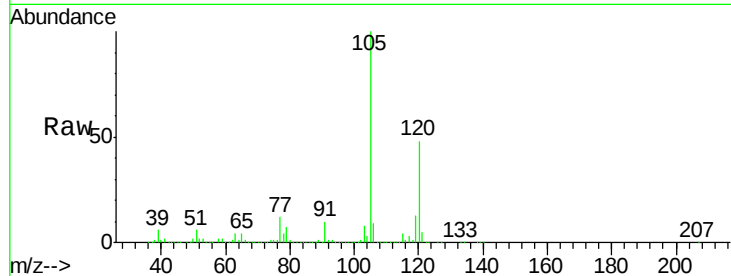




#83
 tert-Butylbenzene
 Concen: 57.225 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

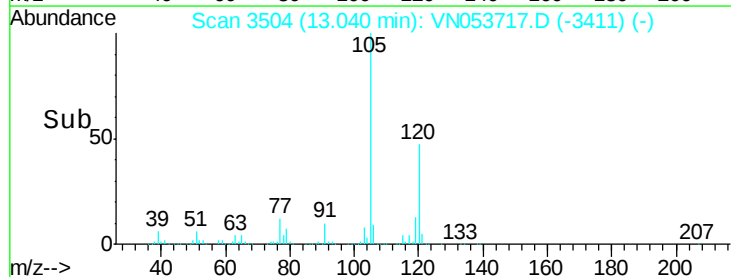
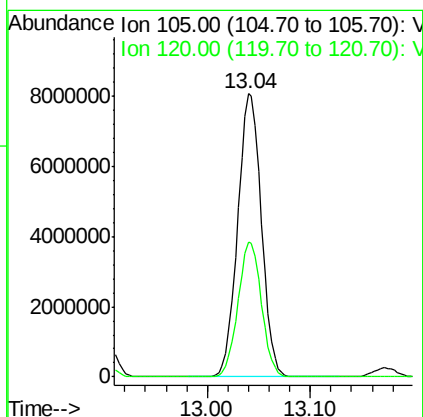
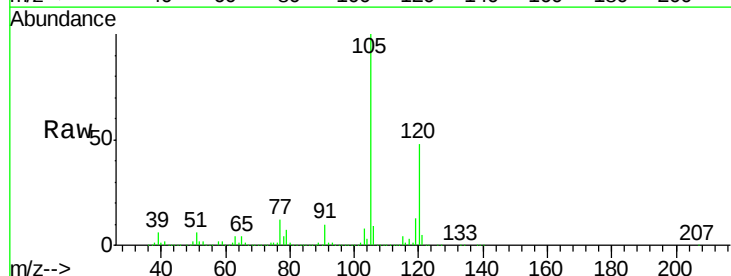
Instrument :
 MSVOA_N
 ClientSampled :
 30228

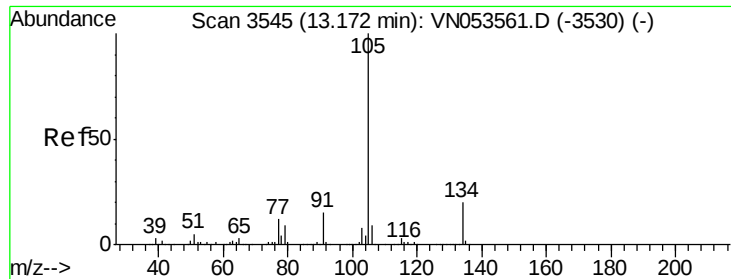
Tot Ion:119 Resp: 1640501
 Ion Ratio Lower Upper
 119 100
 91 77.3 31.3 93.8
 134 0.0 12.9 38.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 389.585 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion:105 Resp:12874293
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 10.447 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampled :

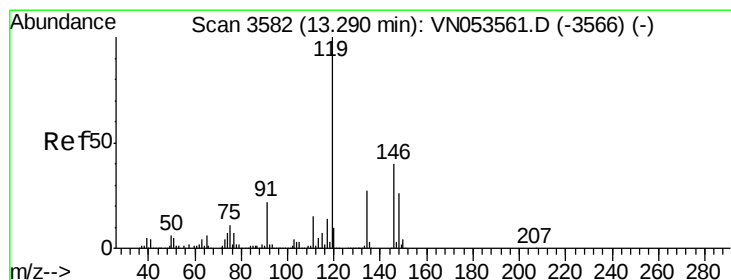
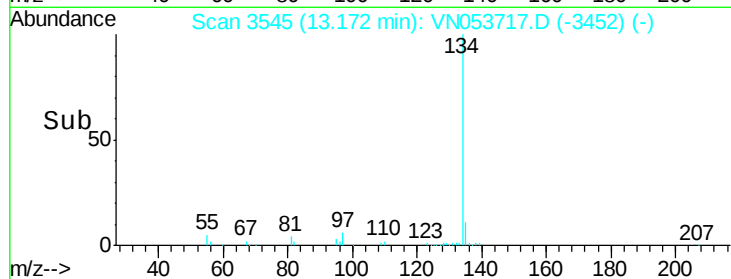
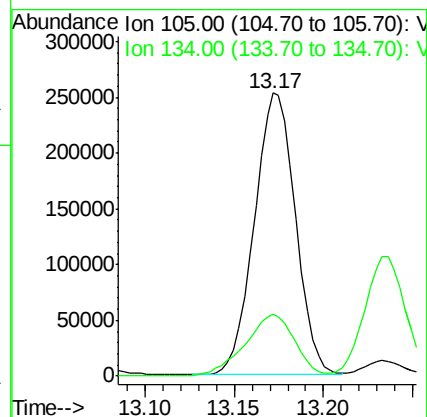
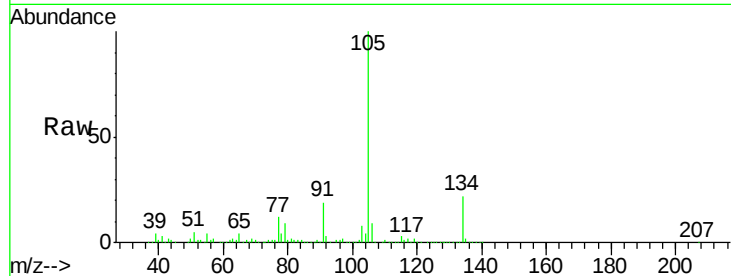
30228

Tot Ion:105 Resp: 407543

Ion Ratio Lower Upper

105 100

134 26.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 7.164 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

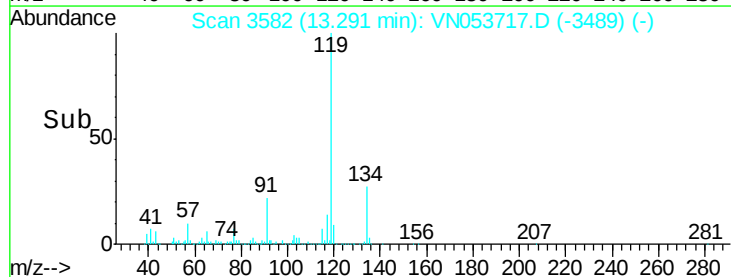
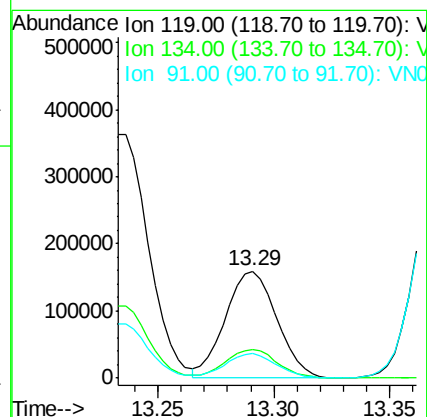
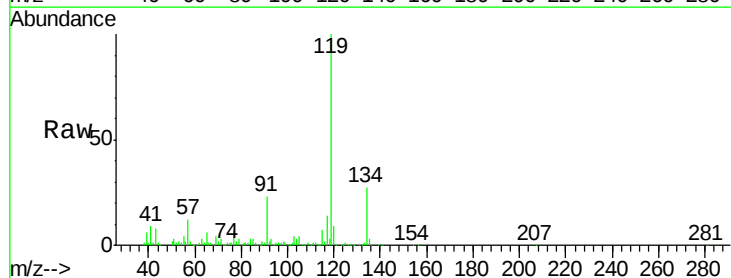
Tgt Ion:119 Resp: 244441

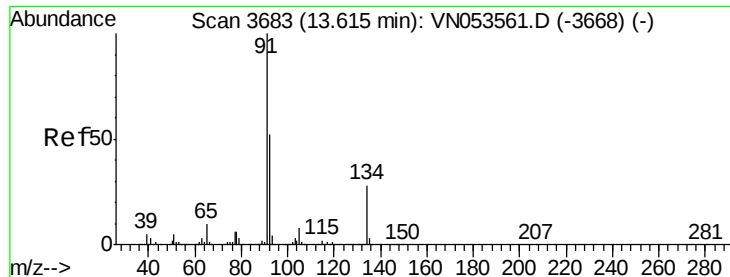
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.8 11.0 33.0





#89

n-Butylbenzene

Concen: 13.991 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053717.D

Acq: 11 Feb 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

30228

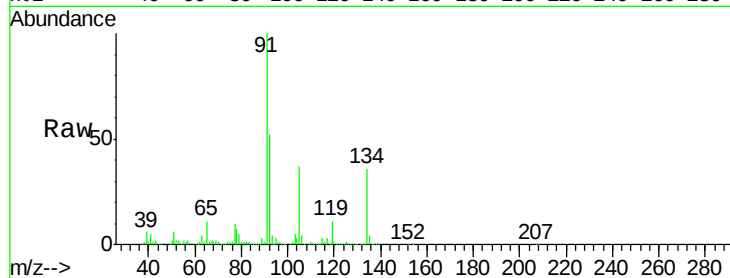
Tot Ion: 91 Resp: 413167

Ion Ratio Lower Upper

91 100

92 64.9 26.3 78.8

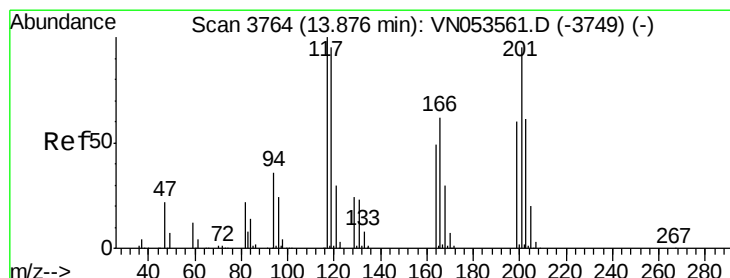
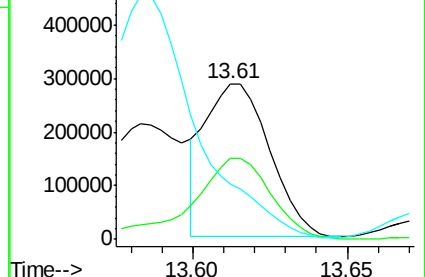
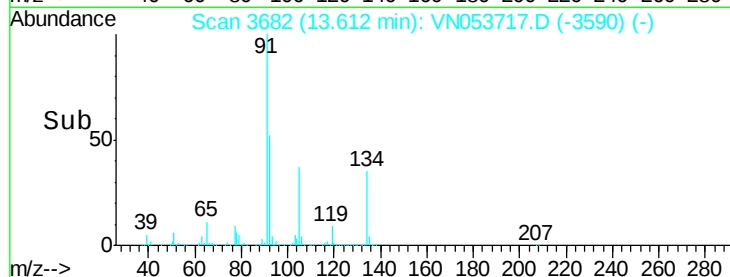
134 0.0 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VN053717.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN053717.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN053717.D (-3682) (-)



#90

Hexachloroethane

Concen: 38.402 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053717.D

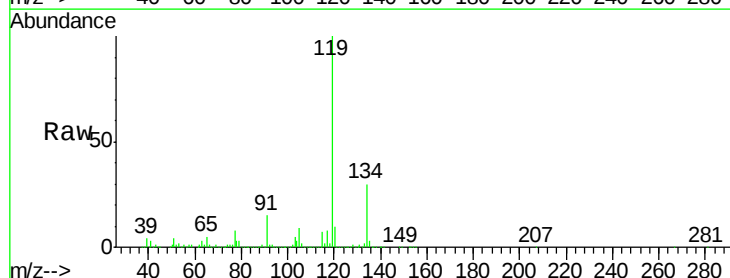
Acq: 11 Feb 2019 20:48

Tgt Ion: 117 Resp: 216119

Ion Ratio Lower Upper

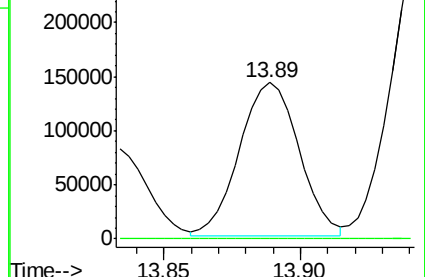
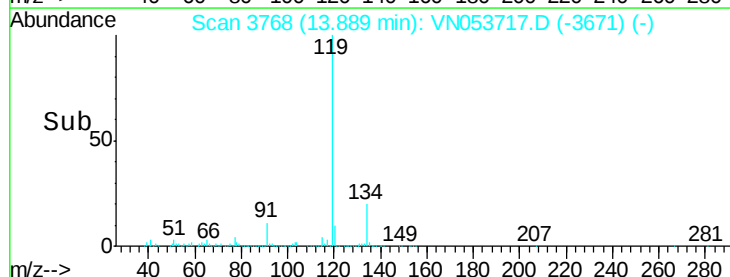
117 100

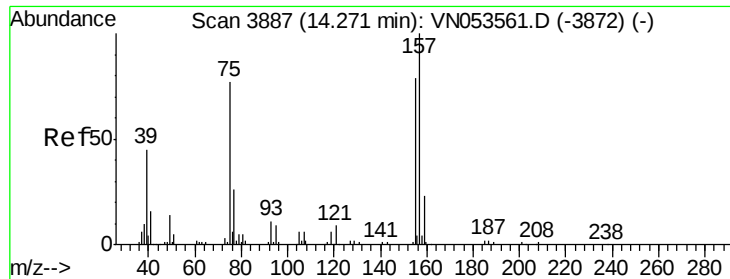
201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): VN053717.D (-3764) (-)

Ion 200.70 (200.40 to 201.40): VN053717.D (-3764) (-)

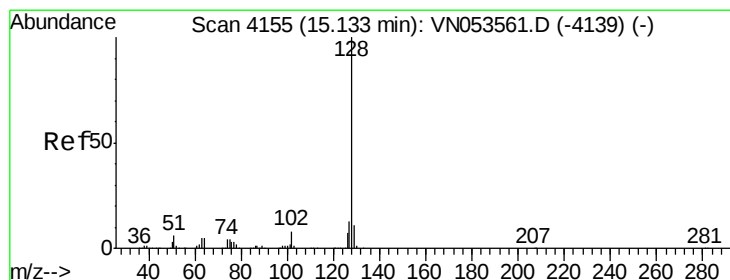
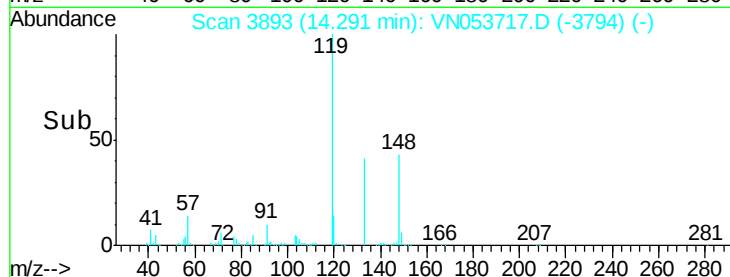
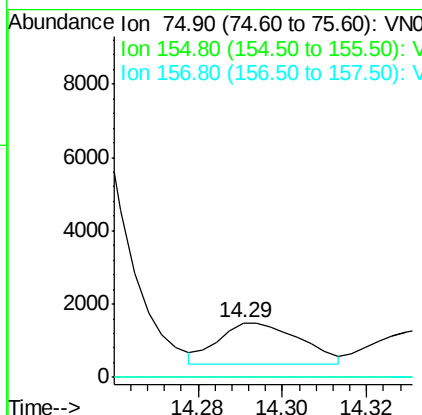
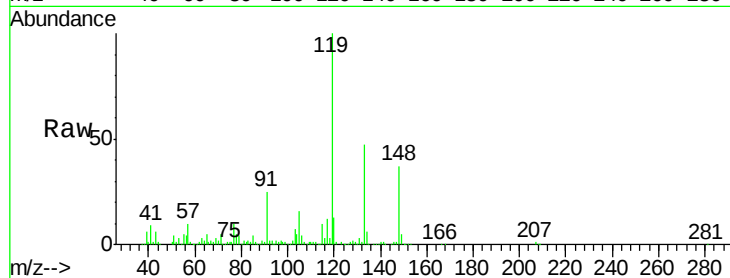




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.146 ug/l
 RT: 14.29 min Scan# 3893
 Delta R.T. 0.02 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 30228

Tot Ion: 75 Resp: 1529
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.3#



#95
 Naphthalene
 Concen: 211.030 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053717.D
 Acq: 11 Feb 2019 20:48

Tgt Ion: 128 Resp: 5299639
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.3 15.5
 129 10.9 8.6 13.0

