

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053547.D
 Acq On : 28 Jan 2019 15:55
 Operator : JC/SP
 Sample : PB116640ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 08:21:05 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	877725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1409994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1277629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	561822	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	453304	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	440198	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
50) Toluene-d8	10.09	98	1695673	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	571930	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

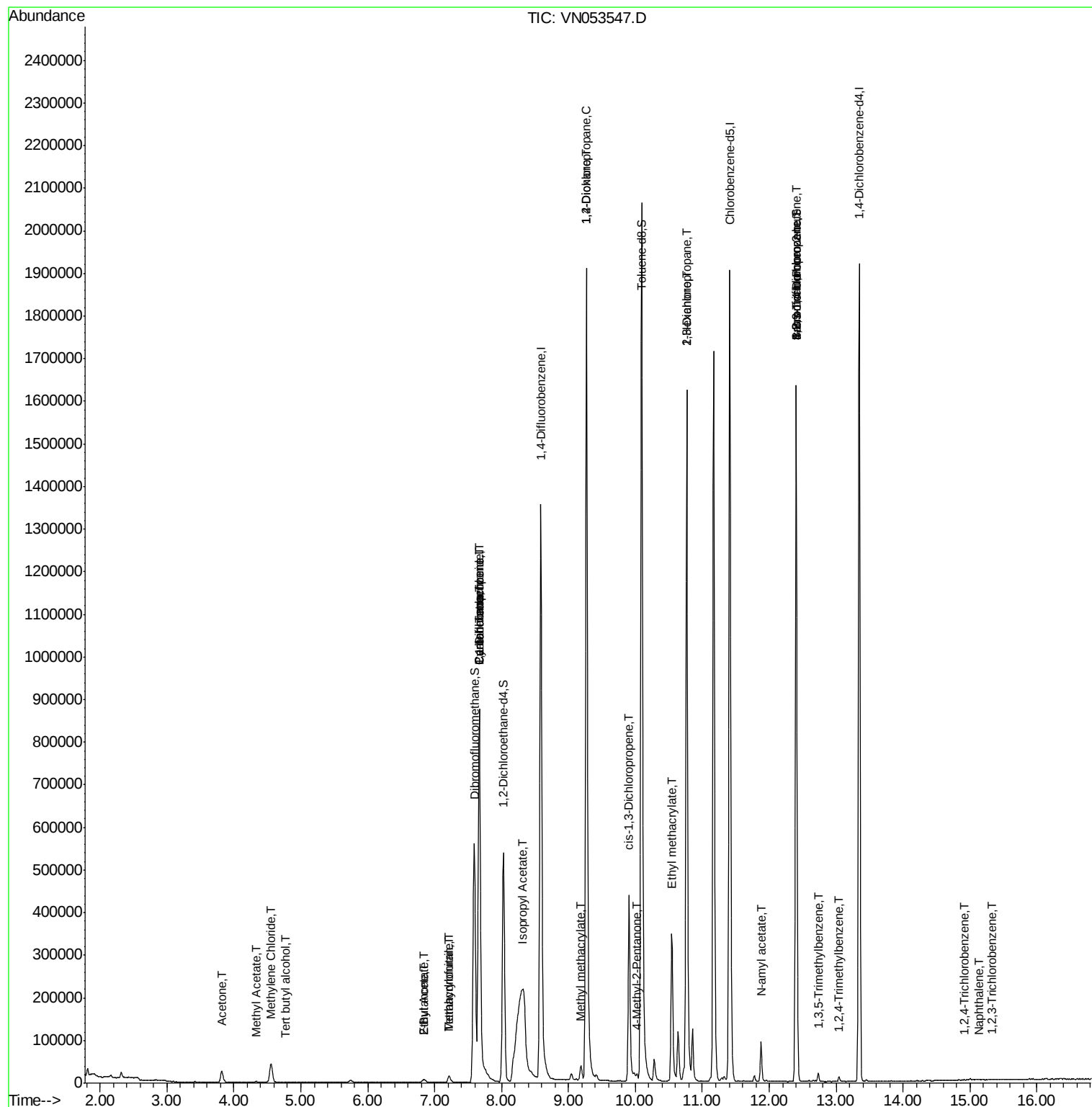
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	246	0.579	ug/l #	72
16) Acetone	3.82	43	46307	22.751	ug/l	96
18) Methyl Acetate	4.33	43	2932	0.428	ug/l #	85
20) Methylene Chloride	4.56	84	34193	3.680	ug/l	94
25) 2-Butanone	6.84	43	12848	4.096	ug/l	94
29) Tetrahydrofuran	7.21	42	13447	6.585	ug/l #	82
31) Cyclohexane	7.67	56	12001	0.566	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51791	4.033	ug/l #	48
37) Ethyl Acetate	6.84	43	12848	1.739	ug/l #	67
38) Carbon Tetrachloride	7.67	117	70006	5.758	ug/l #	16
41) Methacrylonitrile	7.22	41	7605	2.377	ug/l #	40
43) Isopropyl Acetate	8.31	43	455841	34.315	ug/l #	51
45) 1,2-Dichloropropane	9.27	63	2622	0.254	ug/l #	43
48) Methyl methacrylate	9.18	41	12118	1.767	ug/l #	12
49) 1,4-Dioxane	9.27	88	74	1.105	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	10863	1.498	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	94382	6.361	ug/l #	61
56) Ethyl methacrylate	10.54	69	1266	2.160	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	18842	1.304	ug/l #	43
59) 2-Hexanone	10.77	43	253364	49.771	ug/l #	50
71) Bromoform	12.40	173	2454	0.379	ug/l #	1
74) N-amyl acetate	11.88	43	29260	2.668	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	267116	36.079	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9970	0.298	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	267116	89.213	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	7724	0.229	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	375	2.812	ug/l #	77
95) Naphthalene	15.14	128	1162	4.018	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.32	180	333	3.958	ug/l #	85

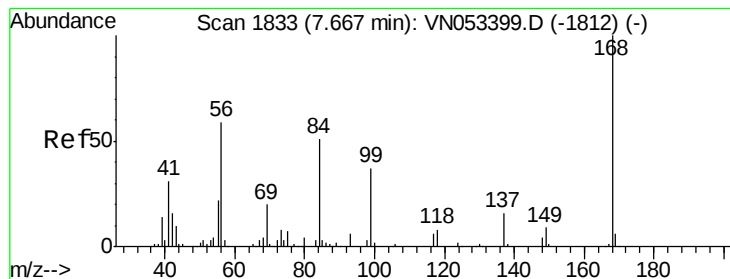
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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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: VN053547.D

Acq: 28 Jan 2019 15:55

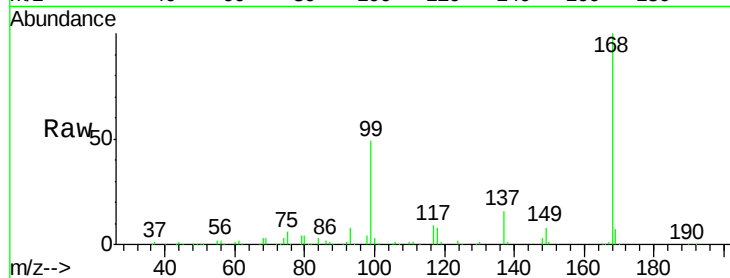
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 877725

Ion Ratio Lower Upper

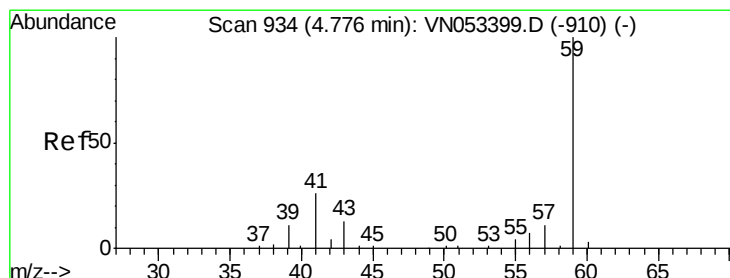
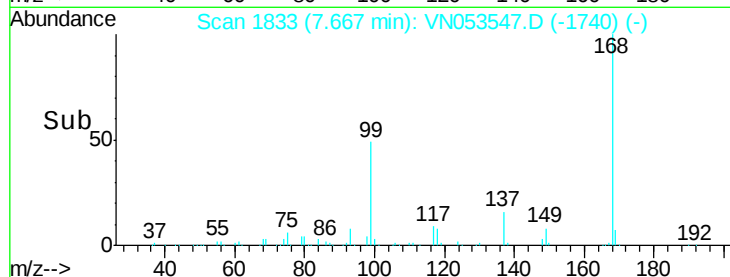
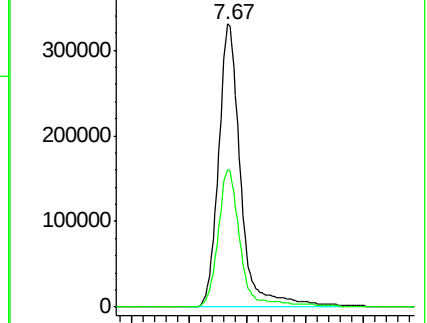
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.579 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053547.D

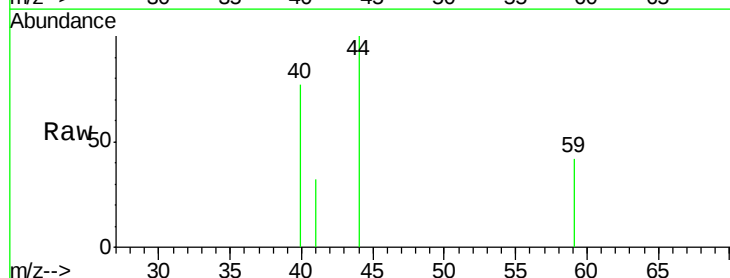
Acq: 28 Jan 2019 15:55

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

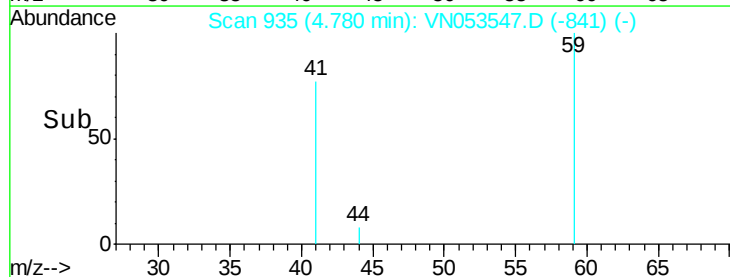
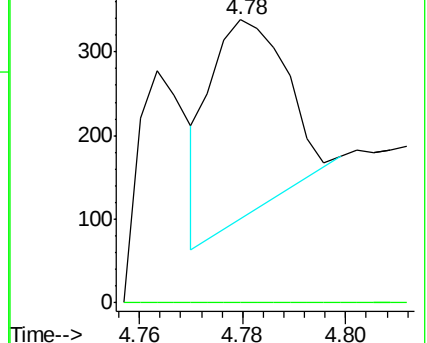
59 100

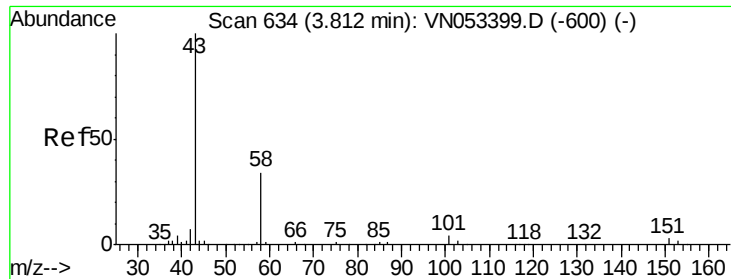
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

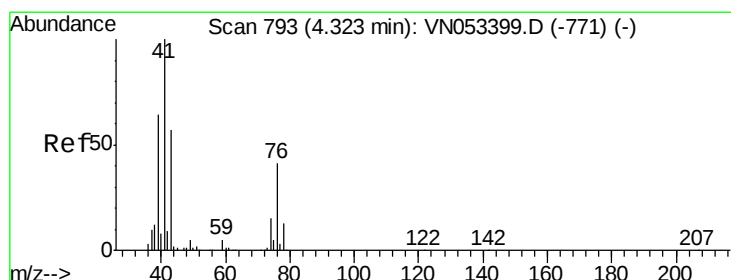
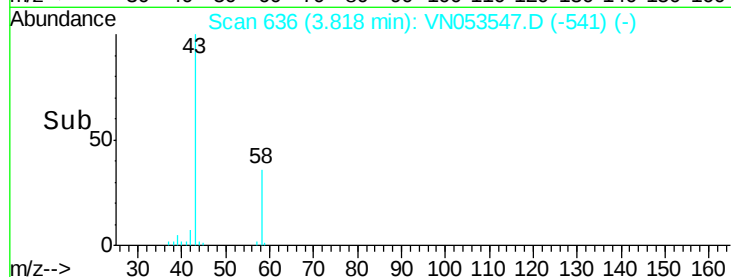
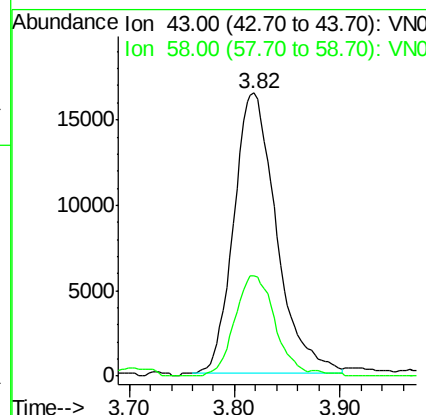
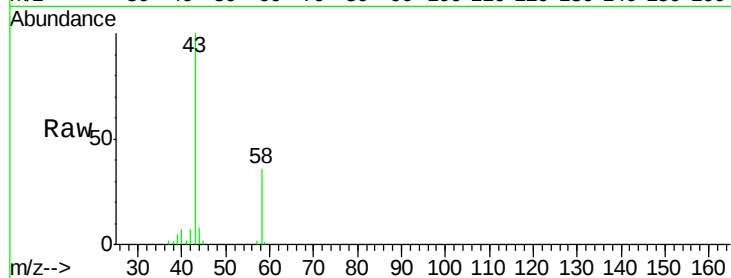




#16
Acetone
Concen: 22.751 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

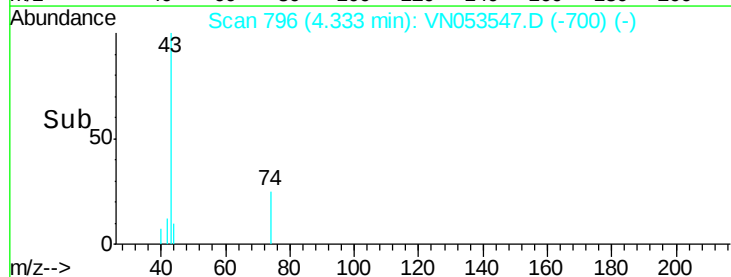
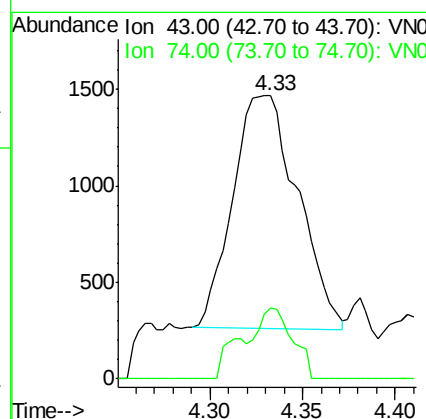
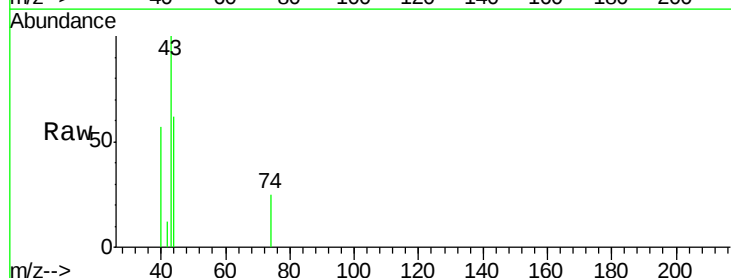
Instrument :
MSVOA_N
ClientSampled :

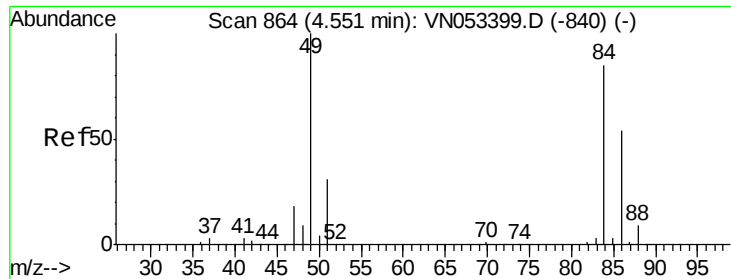
Tot Ion: 43 Resp: 46307
Ion Ratio Lower Upper
43 100
58 36.0 27.1 40.7



#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
74 16.9 19.4 29.2#

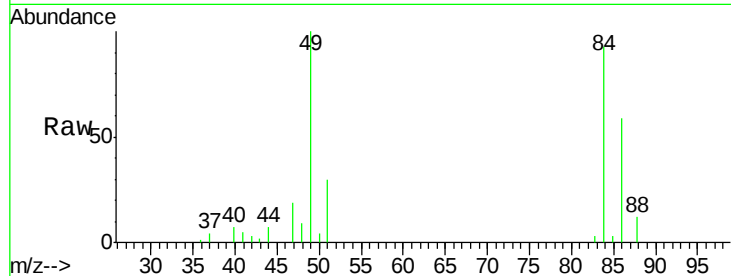




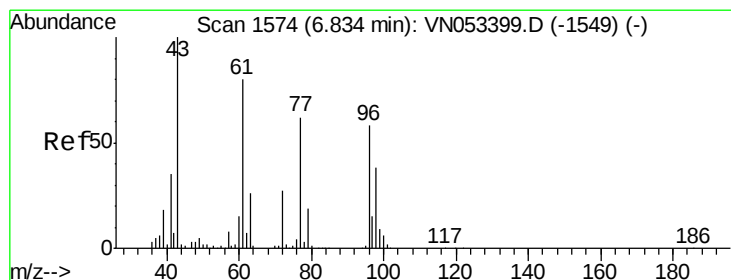
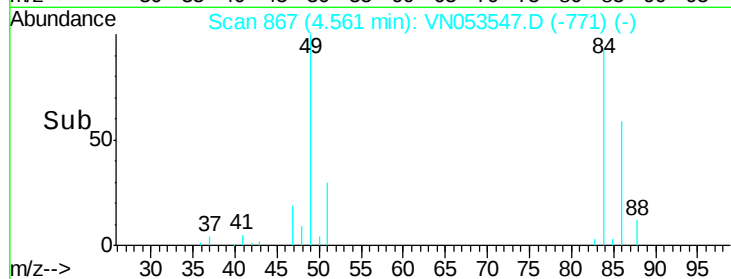
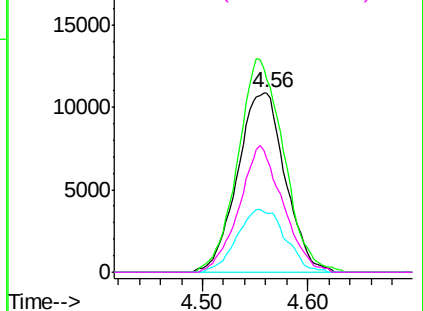
#20
Methvlene Chloride
Concen: 3.680 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	34193
Ion	Ratio	Lower	Upper
84	100		
49	107.9	94.3	141.5
51	32.7	29.4	44.2
86	63.2	51.4	77.0

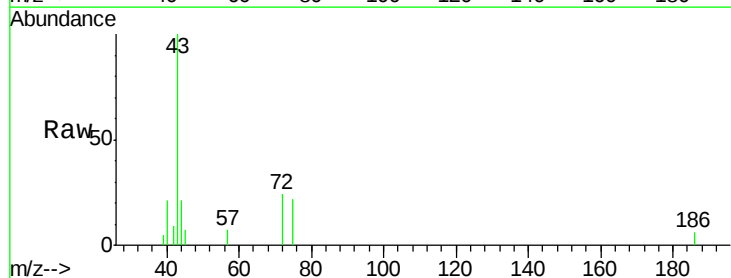


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

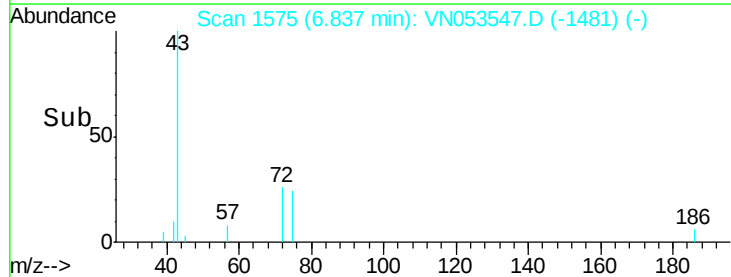
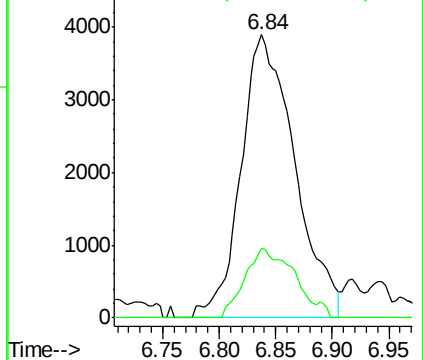


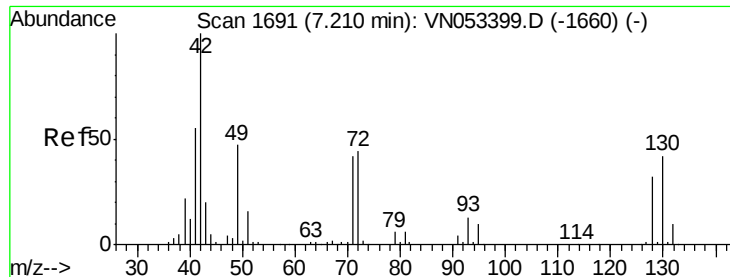
#25
2-Butanone
Concen: 4.096 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion:	43	Resp:	12848
Ion	Ratio	Lower	Upper
43	100		
72	24.4	22.0	33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 6.585 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

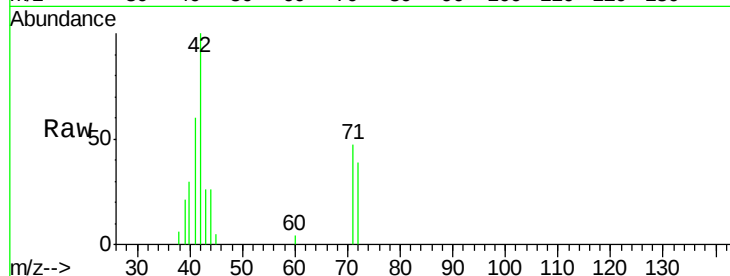
Tot Ion: 42 Resp: 13447

Ion Ratio Lower Upper

42 100

72 21.6 35.2 52.8#

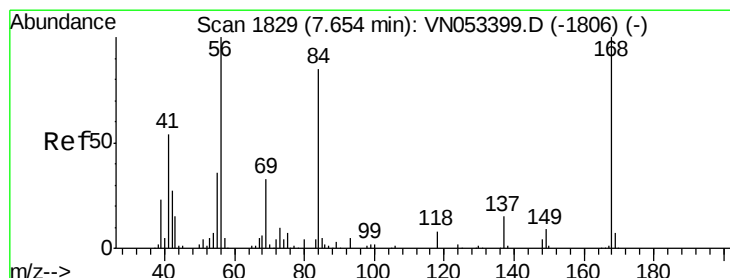
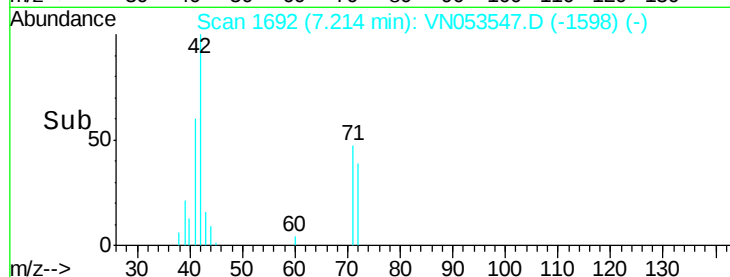
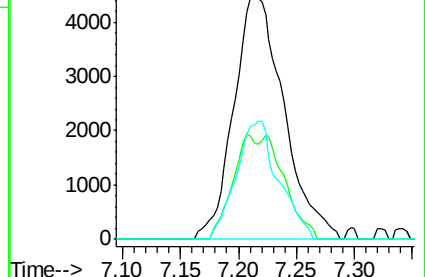
71 41.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)



#31

Cyclohexane

Concen: 0.566 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

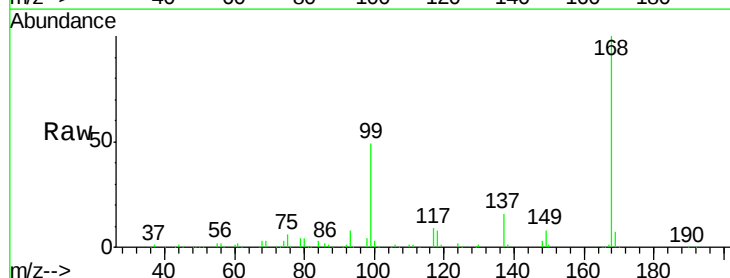
Tgt Ion: 56 Resp: 12001

Ion Ratio Lower Upper

56 100

69 194.0 26.4 39.6#

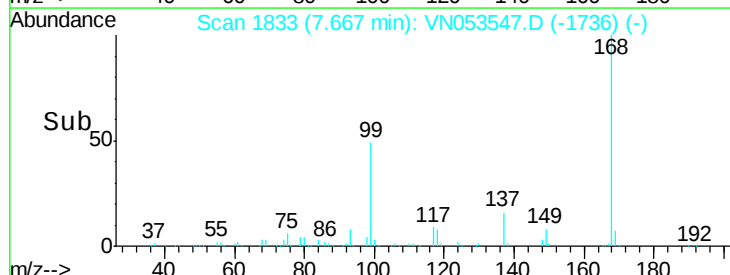
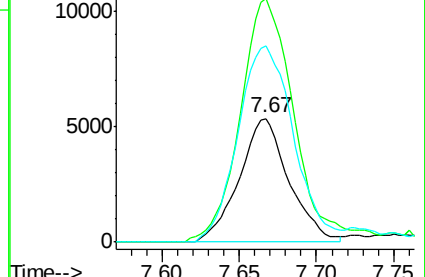
84 159.1 67.9 101.9#

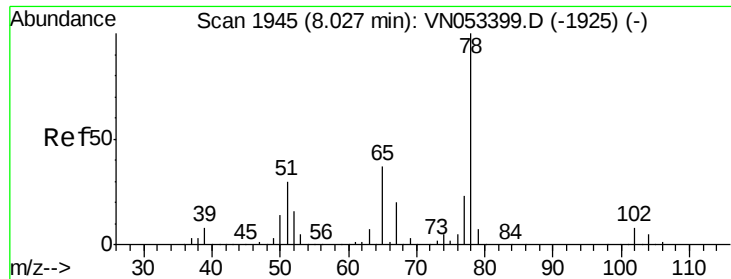


Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053399.D (-1806) (-)

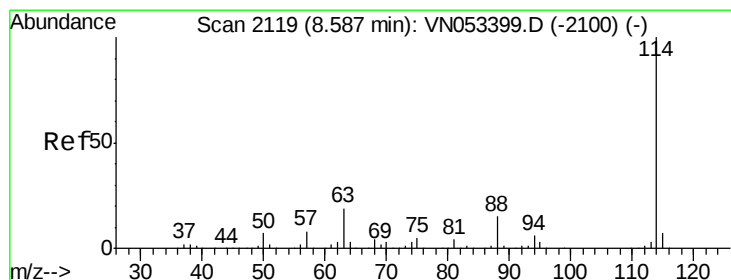
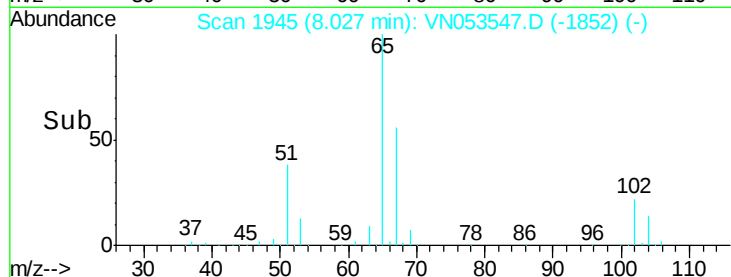
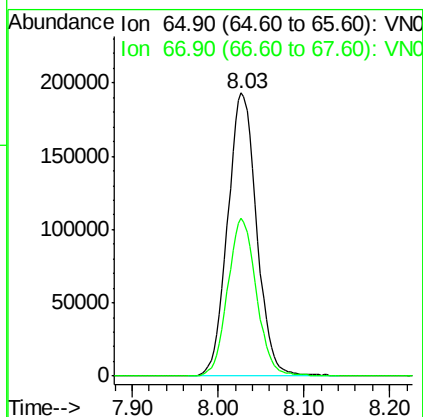
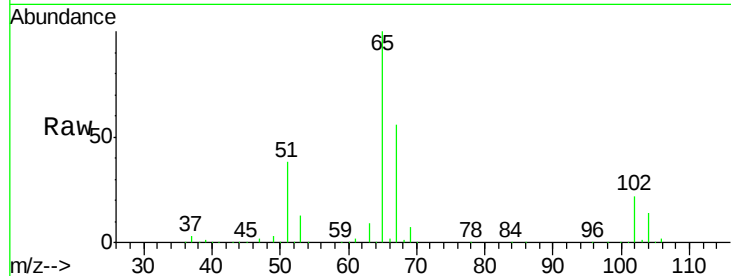




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

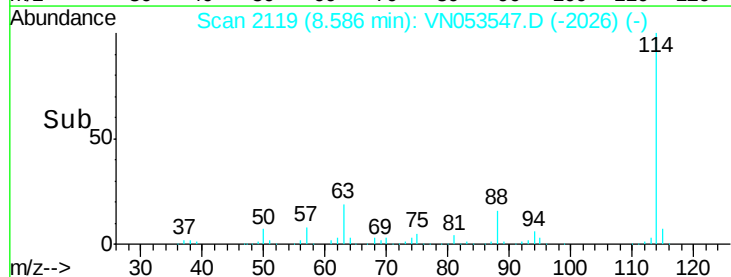
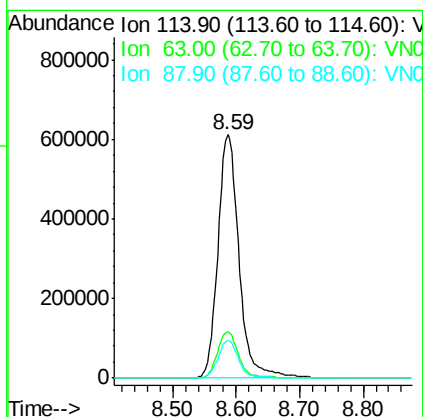
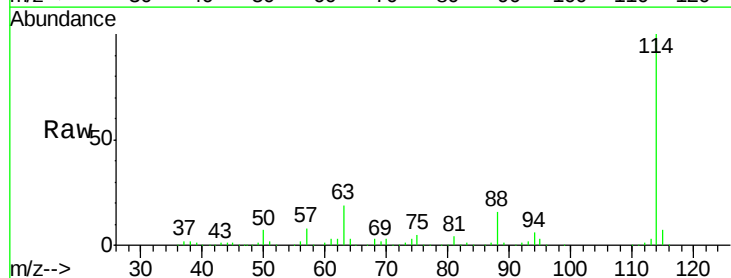
Instrument :
 MSVOA_N
 ClientSampleId :

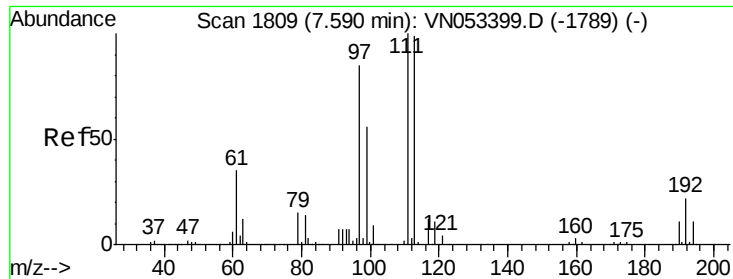
Tot Ion: 65 Resp: 453304
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Tgt Ion: 114 Resp: 1409994
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.6 0.0 30.4

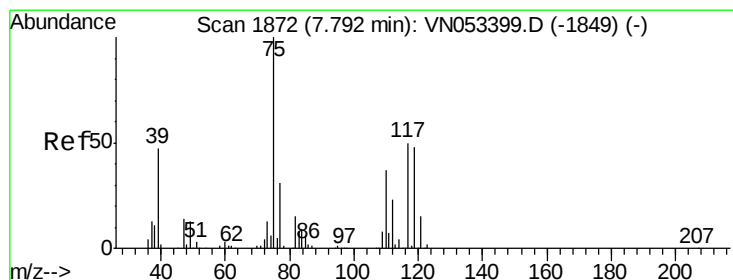
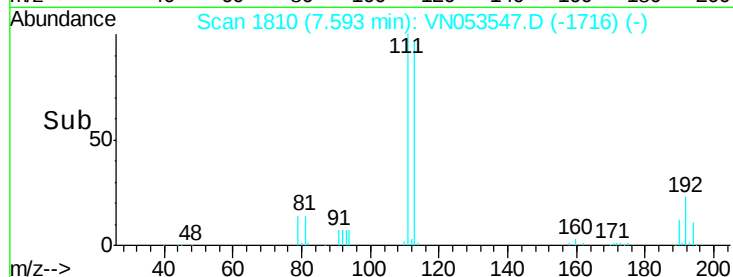
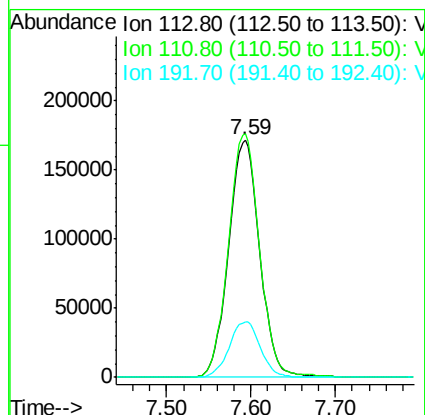
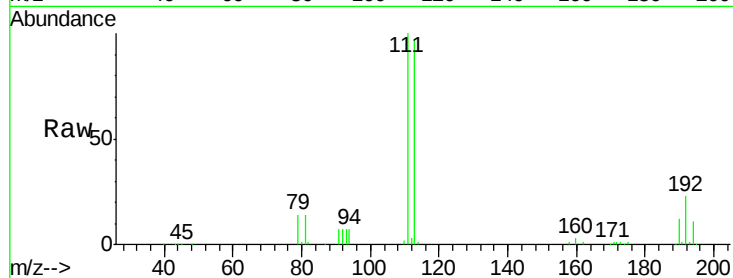




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

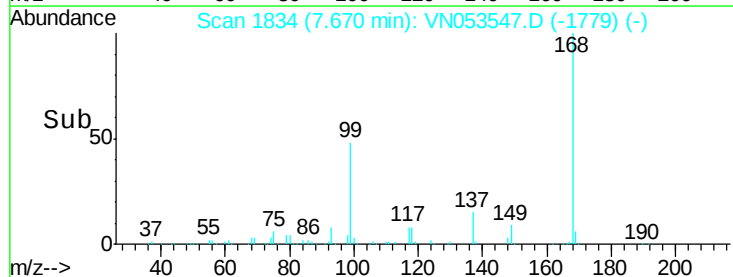
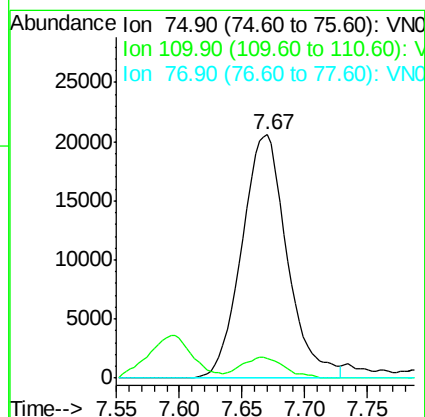
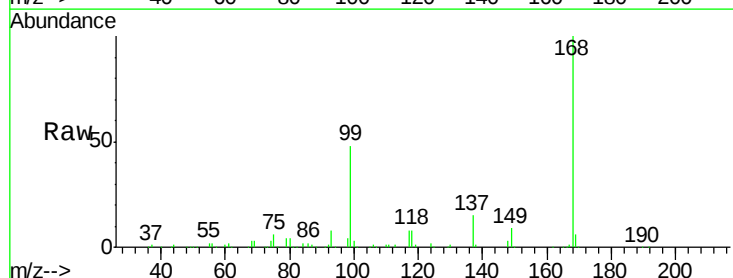
Instrument :
 MSVOA_N
 ClientSampleId :

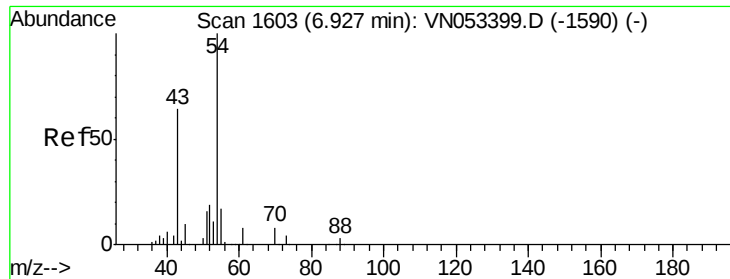
Tot Ion:113 Resp: 440198
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 23.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.033 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Tgt Ion: 75 Resp: 51791
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.3#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.739 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampled :

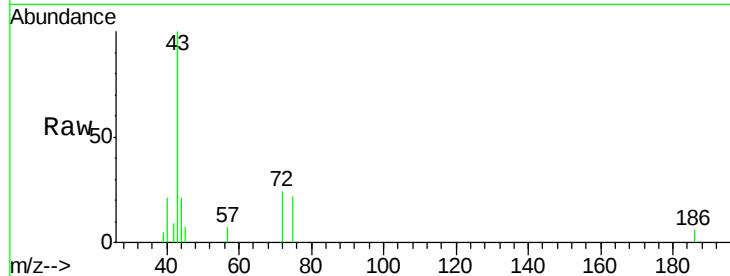
Tot Ion: 43 Resp: 12848

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 8.6 12.8#

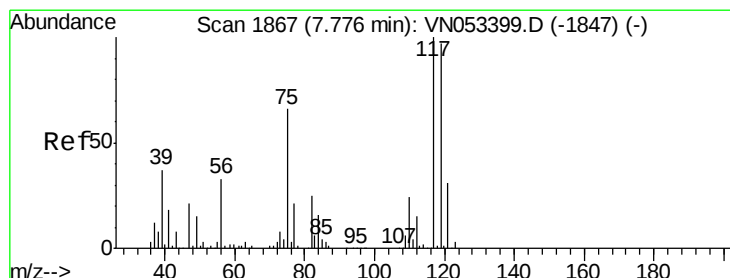
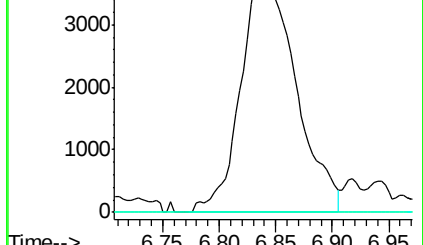
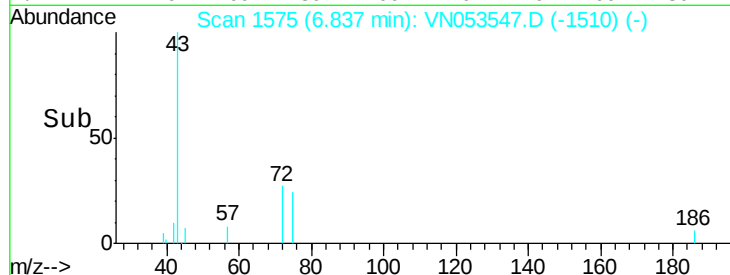


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1590) (-)

Ion 70.00 (69.70 to 70.70): VN053399.D (-1590) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.758 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

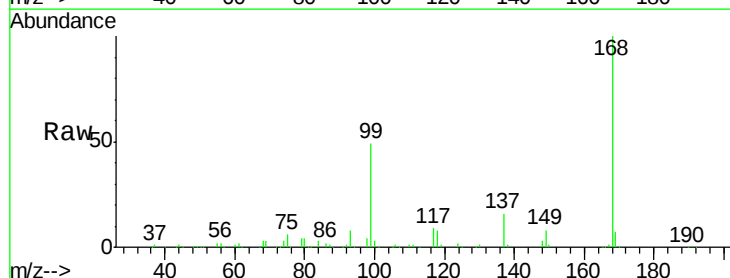
Tgt Ion: 117 Resp: 70006

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

121 0.0 24.6 37.0#

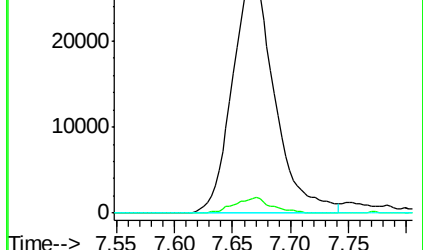
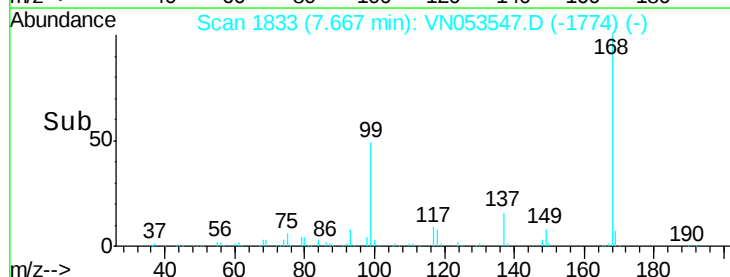


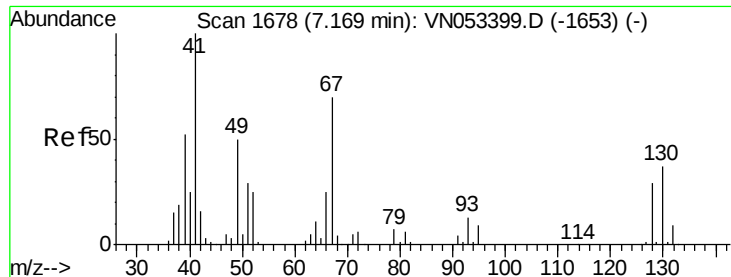
Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

Time-->

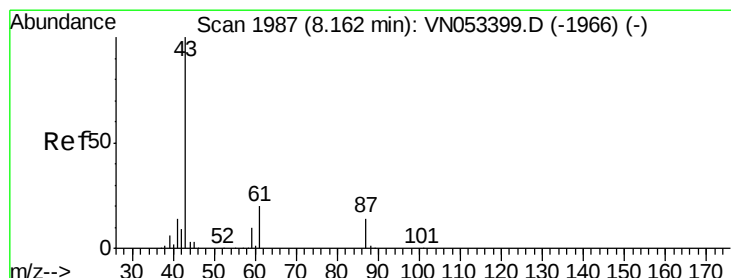
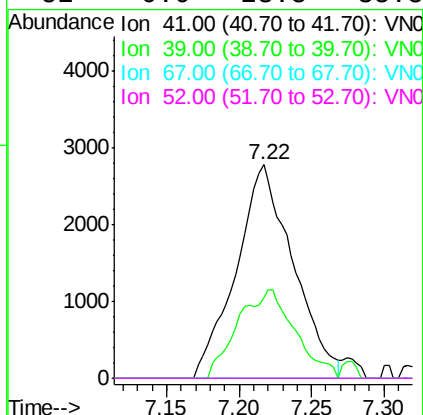
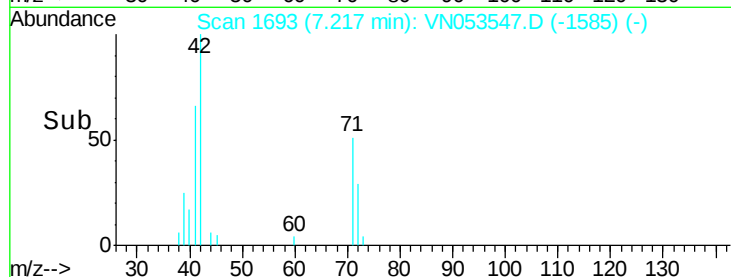
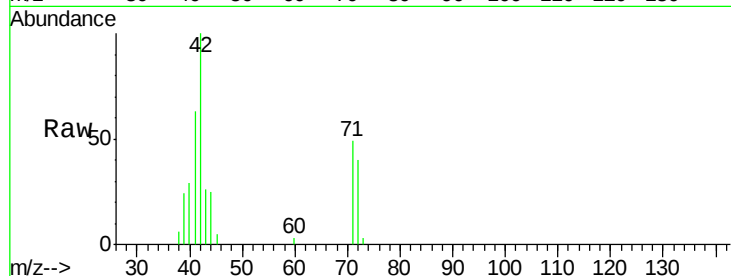




#41
Methacrylonitrile
Concen: 2.377 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

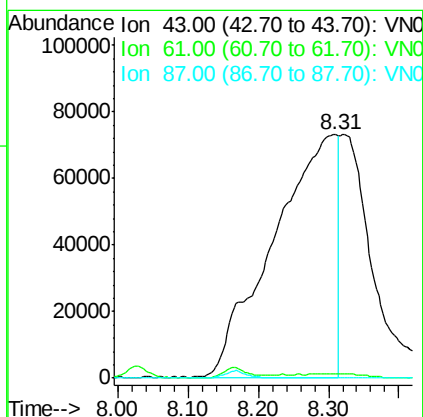
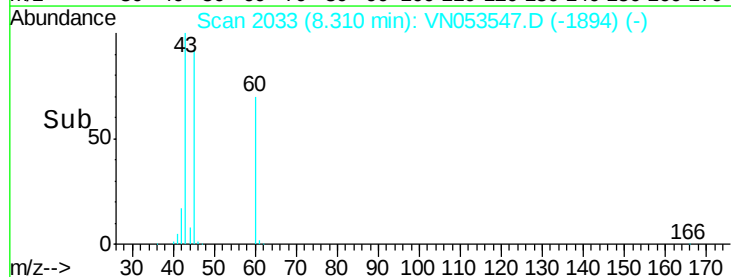
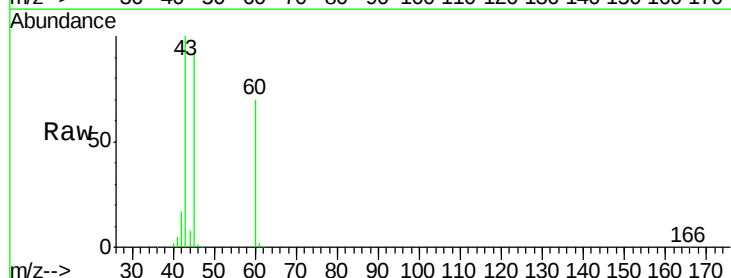
Instrument :
MSVOA_N
ClientSampled :

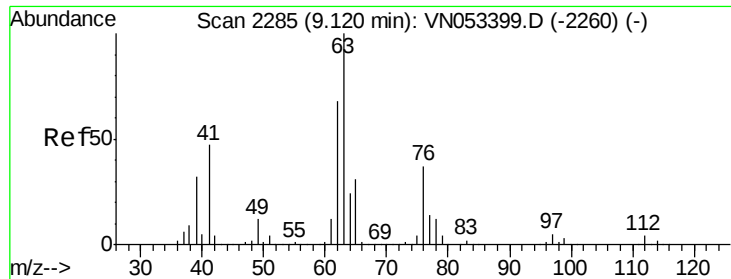
Tot Ion: 41 Resp: 7605
Ion Ratio Lower Upper
41 100
39 41.7 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 34.315 ug/l
RT: 8.31 min Scan# 2033
Delta R.T. 0.15 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion: 43 Resp: 455841
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#

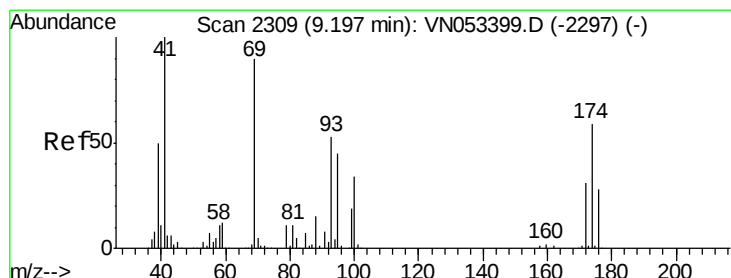
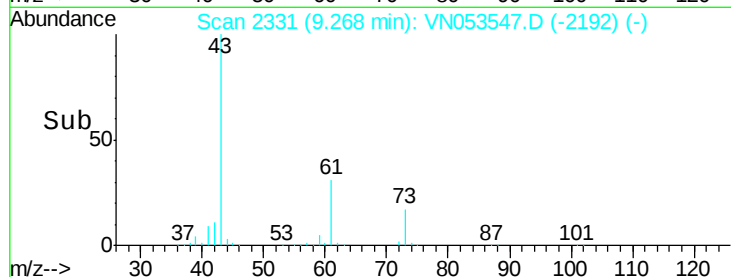
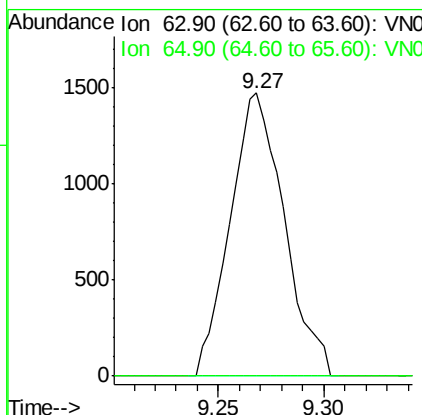
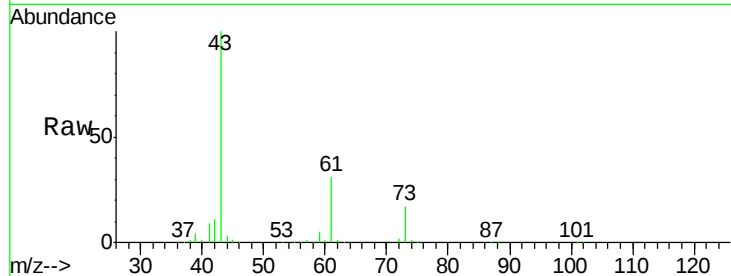




#45
 1,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

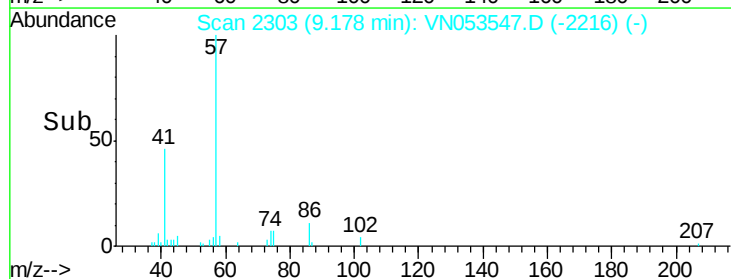
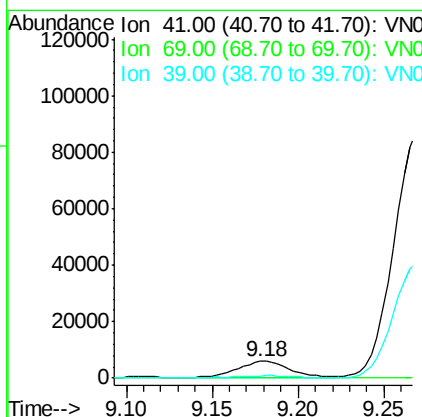
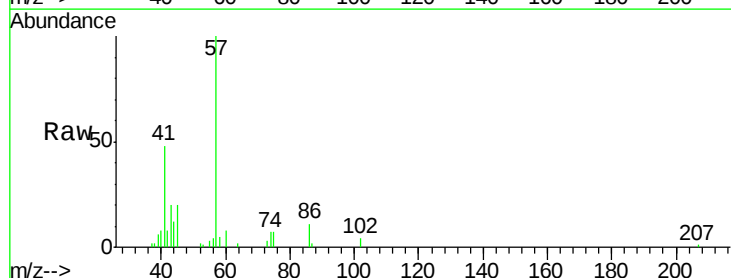
Instrument :
 MSVOA_N
 ClientSampleId :

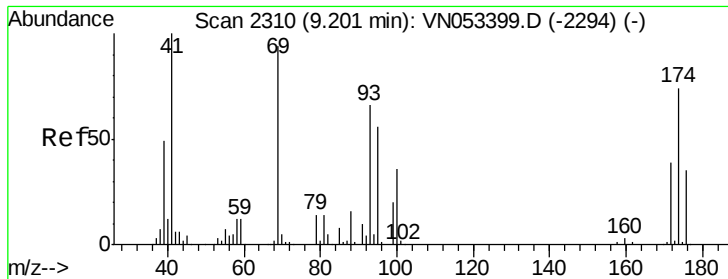
Tot Ion: 63 Resp: 2622
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.767 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Tgt Ion: 41 Resp: 12118
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.8 110.6#
 39 0.0 40.0 60.0#





#49

1,4-Dioxane

Concen: 1.105 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampled :

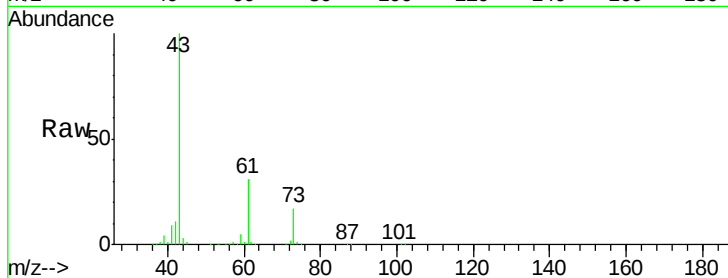
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

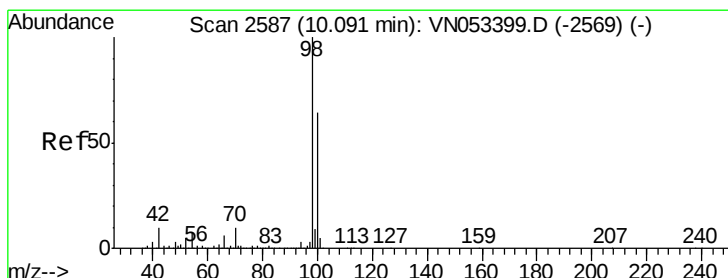
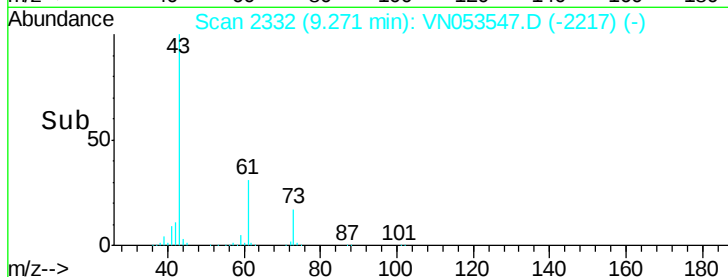
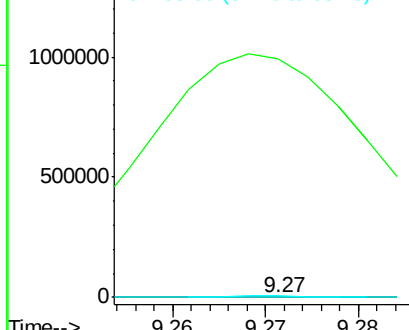
88 100

43 2778012.2 27.8 41.6#

58 12005.4 56.5 84.7#



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



#50

Toluene-d8

Concen: 1.105 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053547.D

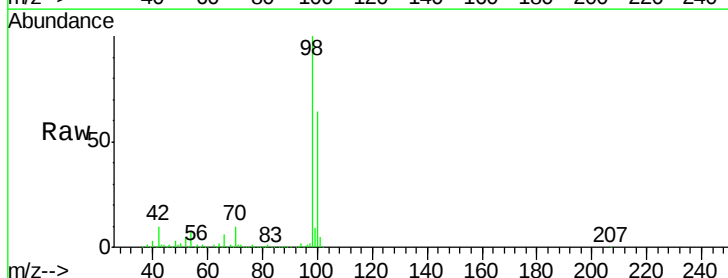
Acq: 28 Jan 2019 15:55

Tgt Ion: 98 Resp: 1695673

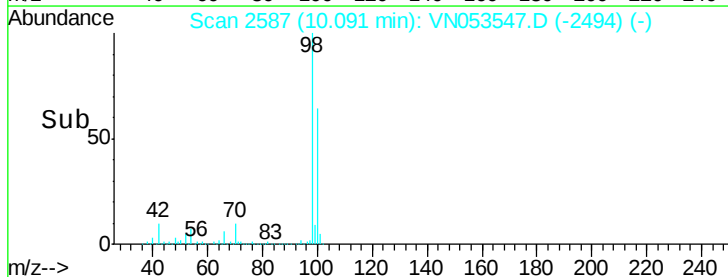
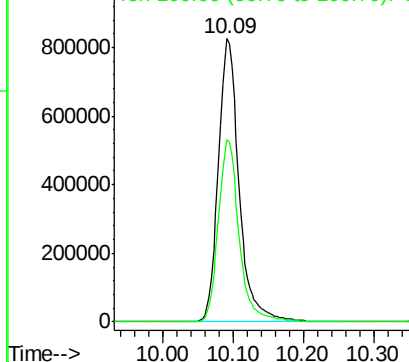
Ion Ratio Lower Upper

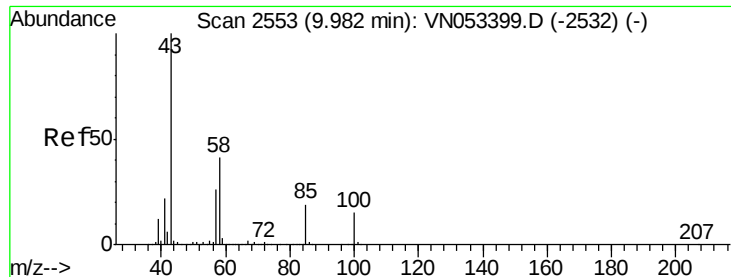
98 100

100 64.3 51.4 77.0



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

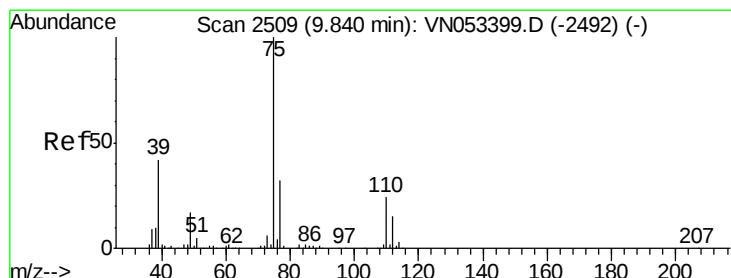
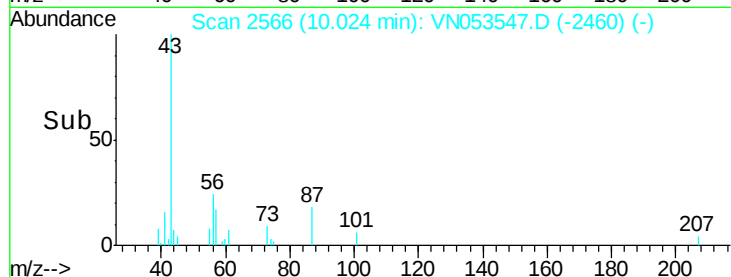
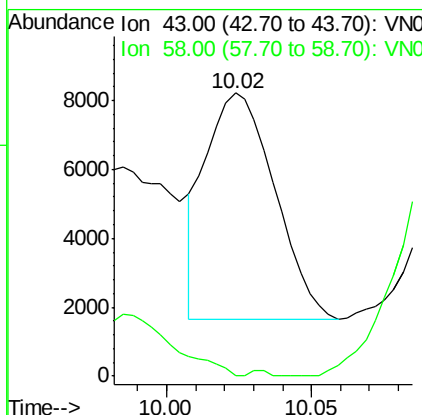
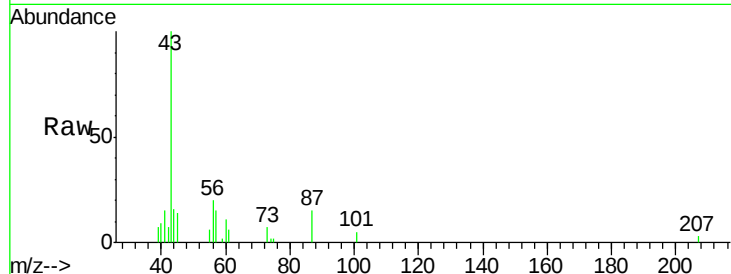




#51
 4-Methyl-2-Pentanone
 Concen: 1.498 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

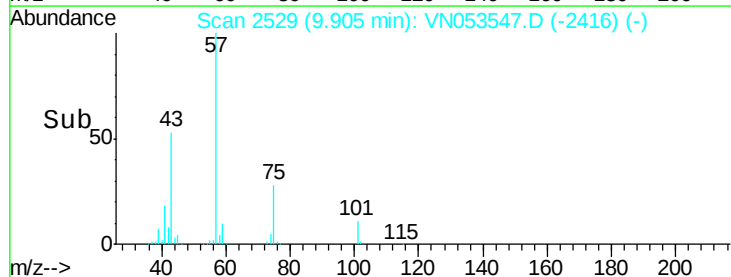
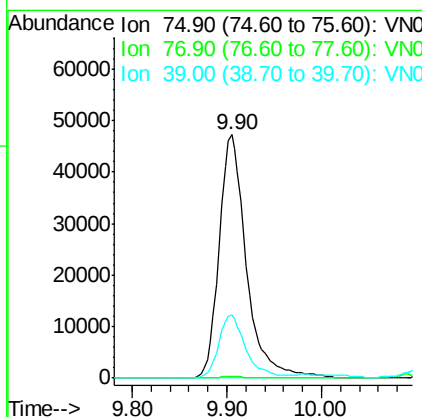
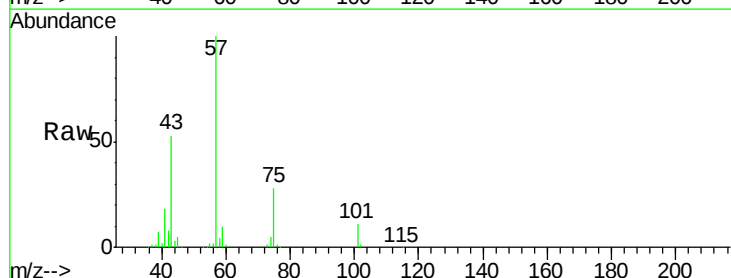
Instrument :
 MSVOA_N
 ClientSampled :

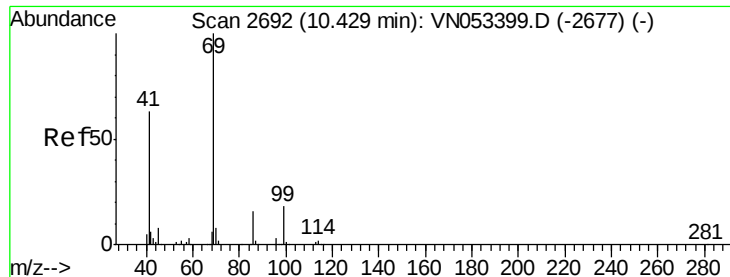
Tot Ion: 43 Resp: 10863
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.8 49.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.361 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Tgt Ion: 75 Resp: 94382
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 25.7 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.160 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

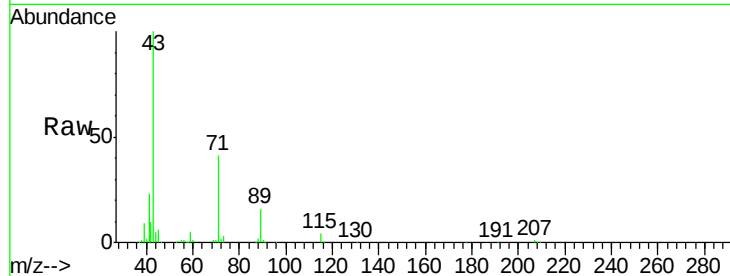
Tot Ion: 69 Resp: 1266

Ion Ratio Lower Upper

69 100

41 5338.2 49.4 74.0#

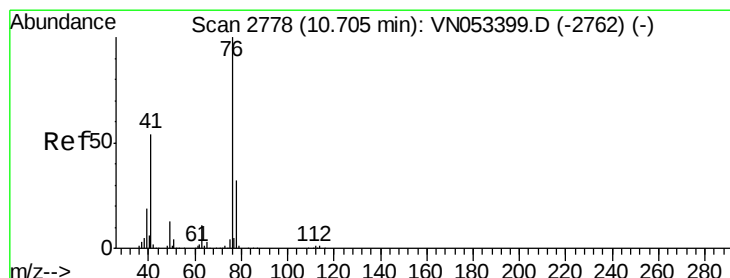
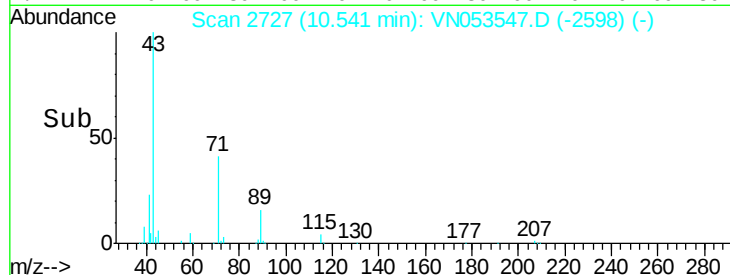
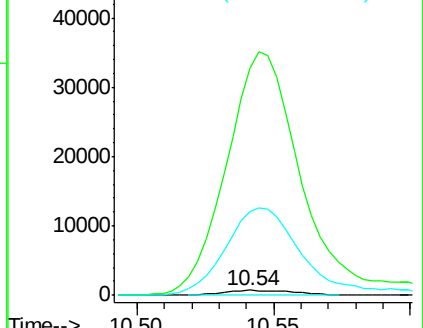
39 1950.2 23.3 34.9#



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



#57

1,3-Dichloropropane

Concen: 1.304 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053547.D

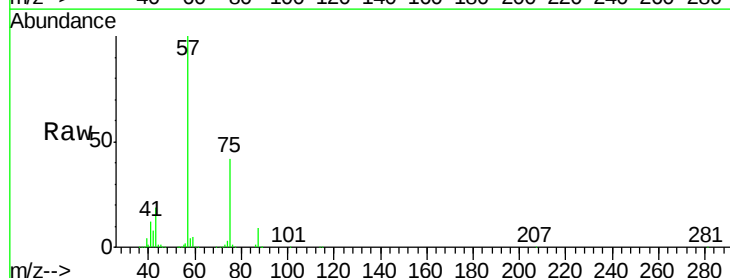
Acq: 28 Jan 2019 15:55

Tgt Ion: 76 Resp: 18842

Ion Ratio Lower Upper

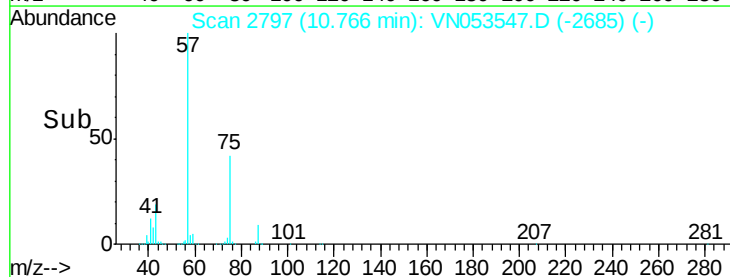
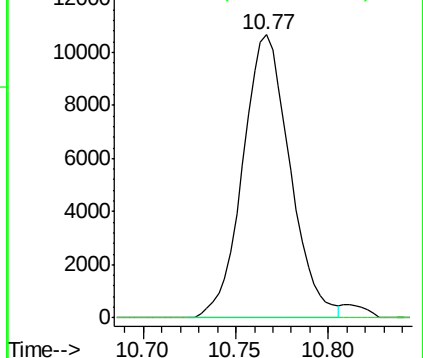
76 100

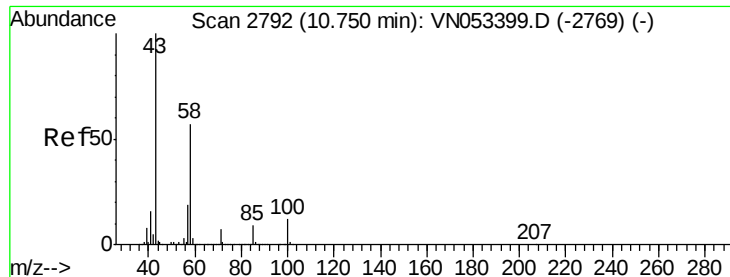
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

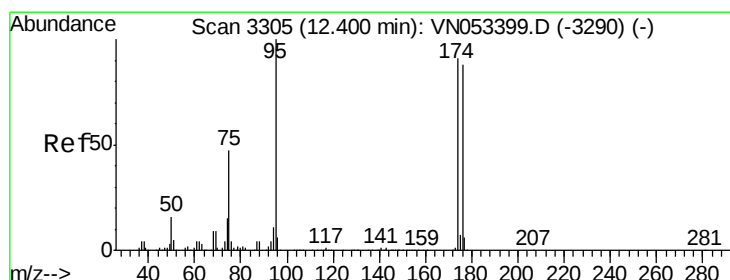
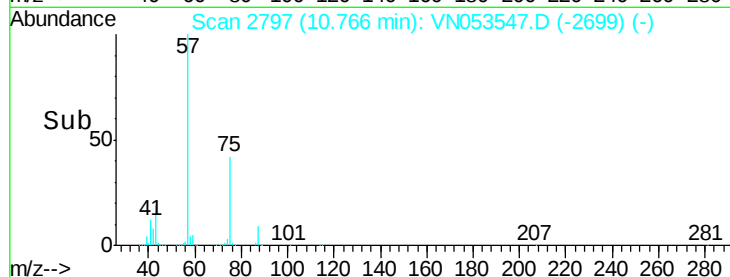
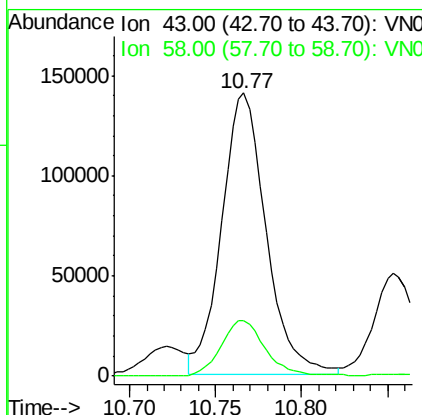
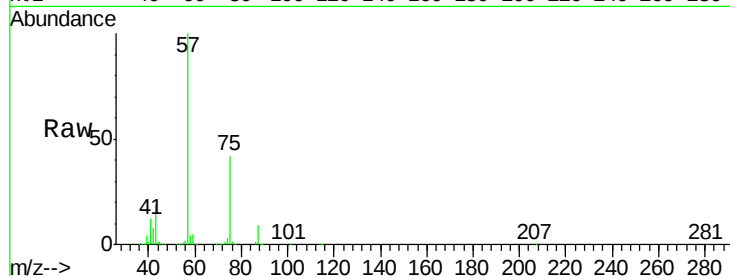




#59
2-Hexanone
Concen: 49.771 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

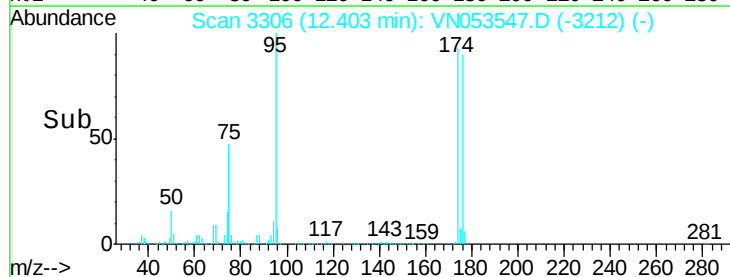
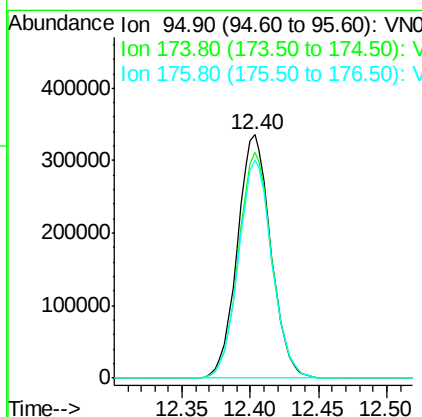
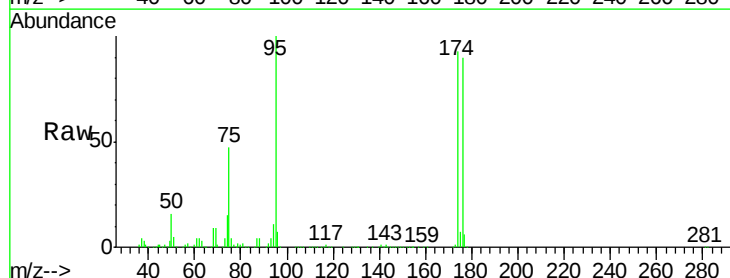
Instrument :
MSVOA_N
ClientSampleId :

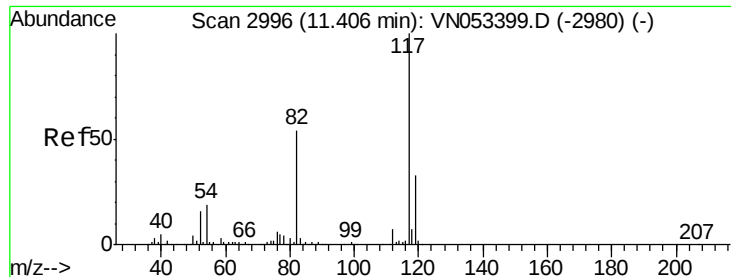
Tot Ion: 43 Resp: 253364
Ion Ratio Lower Upper
43 100
58 20.0 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion: 95 Resp: 571930
Ion Ratio Lower Upper
95 100
174 92.2 0.0 183.2
176 89.7 0.0 177.4

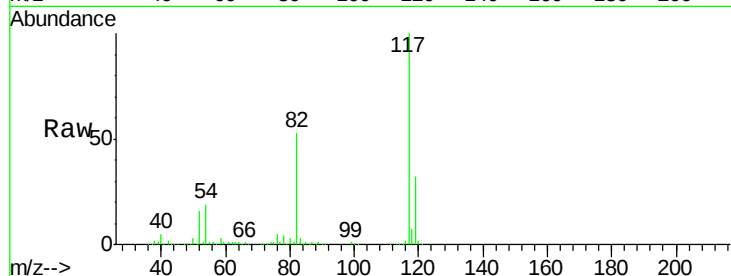




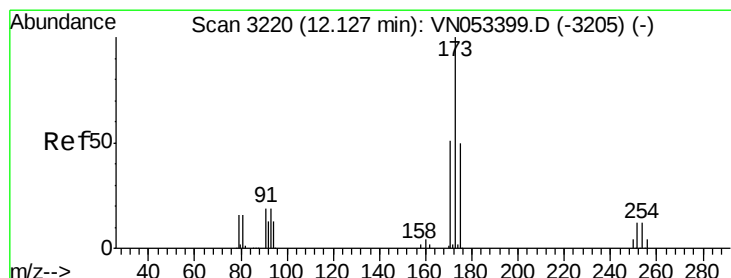
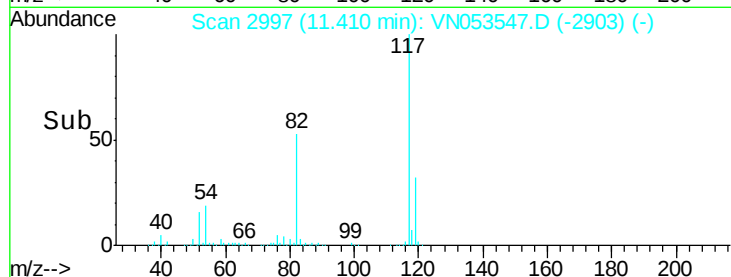
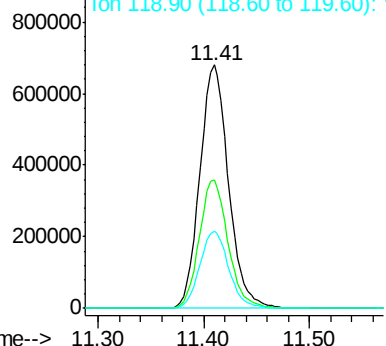
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1277629
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.6 26.0 39.0

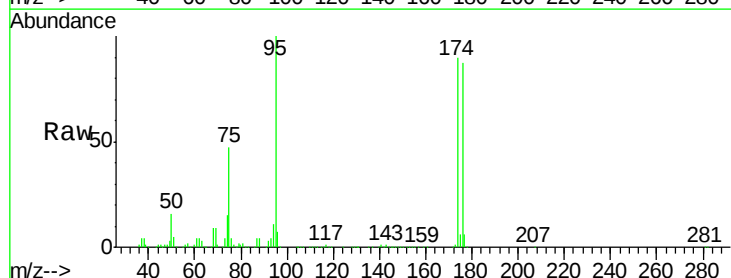


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

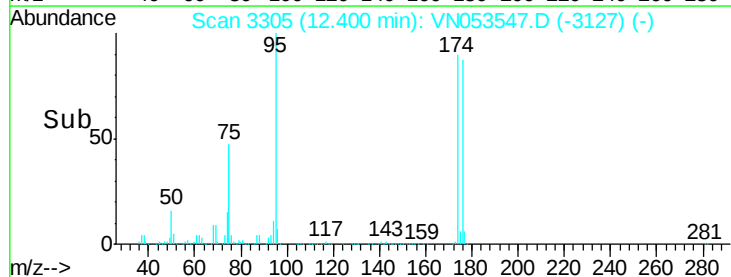
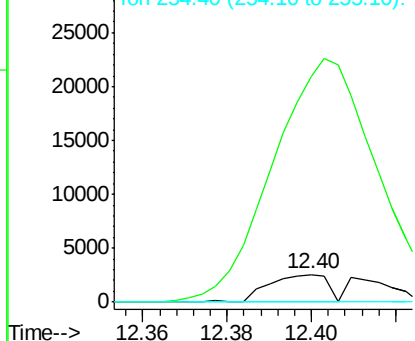


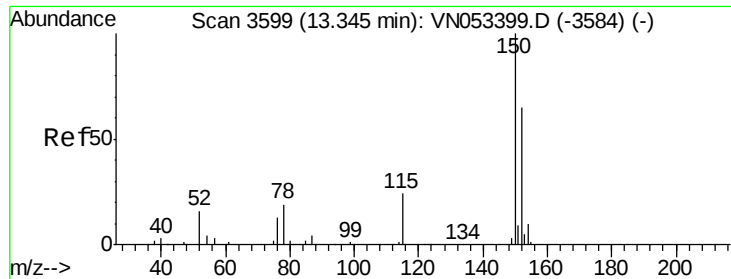
#71
Bromoform
Concen: 0.379 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion:173 Resp: 2454
Ion Ratio Lower Upper
173 100
175 1306.4 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



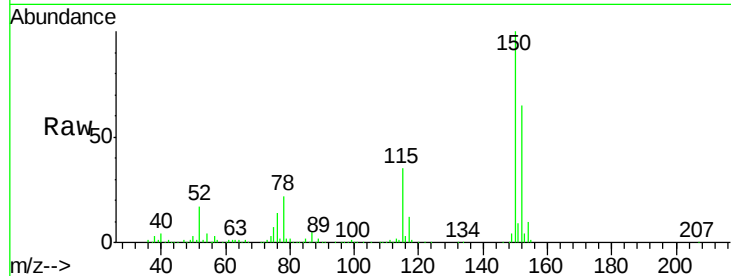


#72

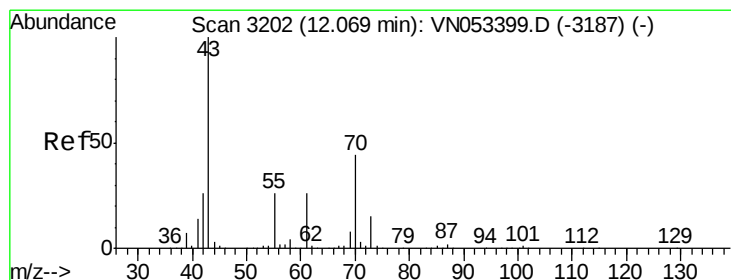
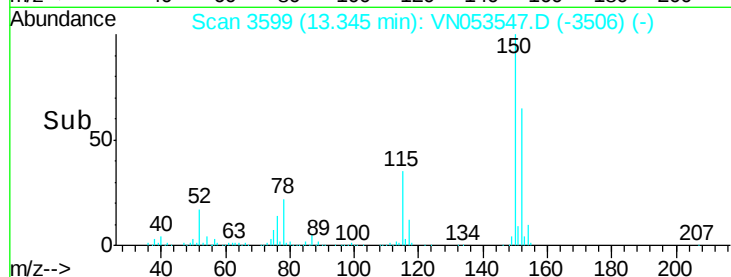
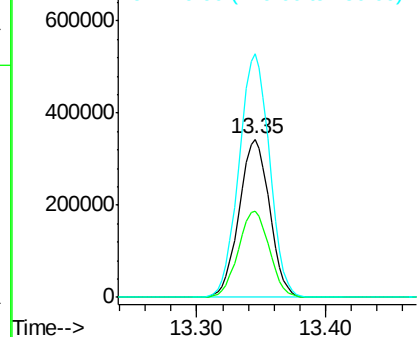
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 561822
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 154.8 0.0 349.0



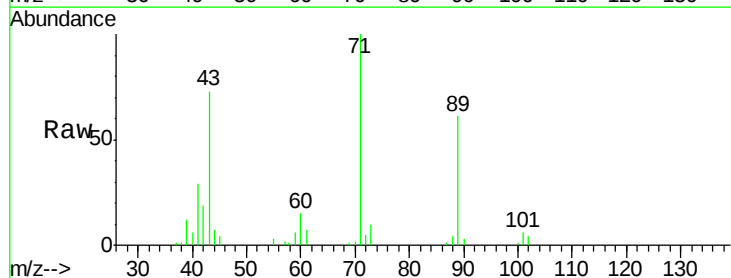
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



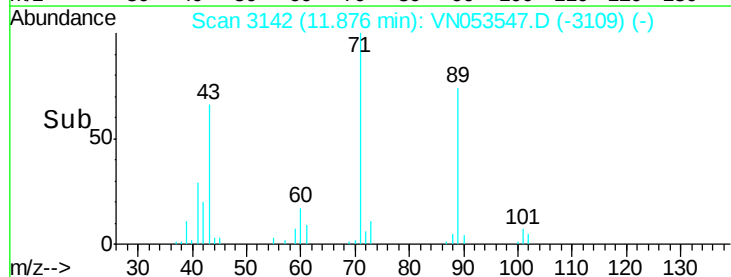
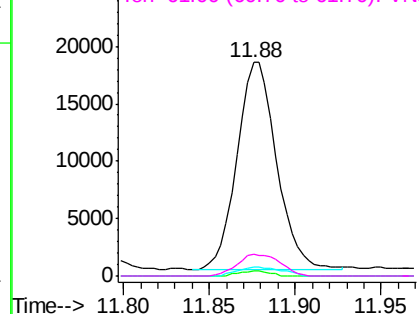
#74

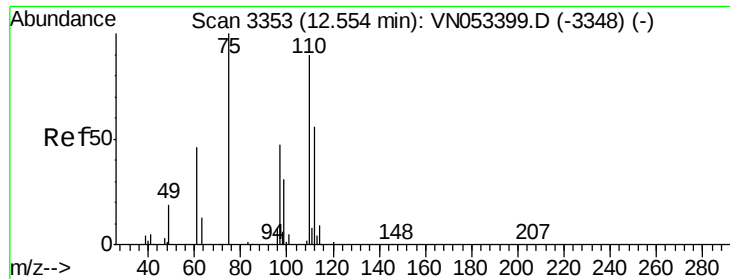
N-ethyl acetate
Concen: 2.668 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion: 43 Resp: 29260
Ion Ratio Lower Upper
43 100
70 1.8 35.4 53.2#
55 4.6 20.9 31.3#
61 11.1 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: 36.079 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

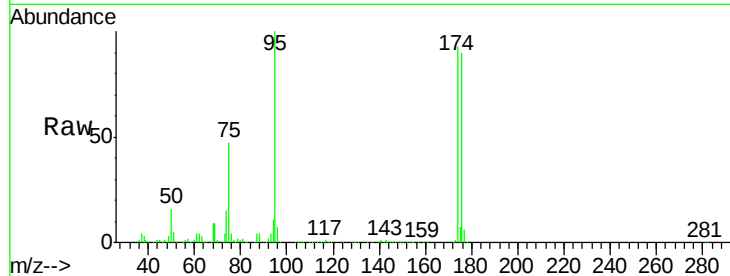
ClientSampleId :

Tot Ion: 75 Resp: 267116

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

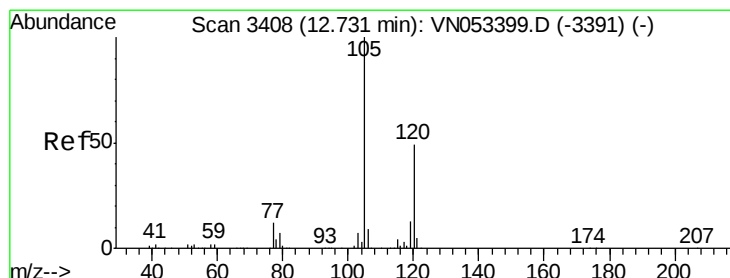
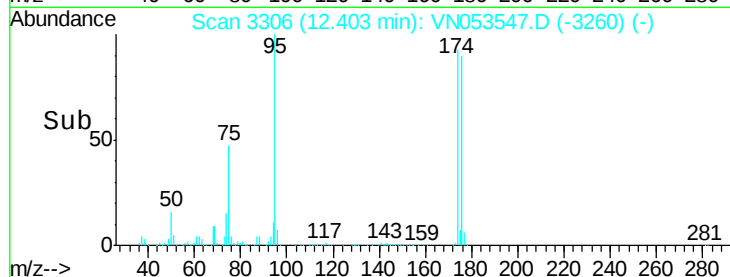
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.298 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053547.D

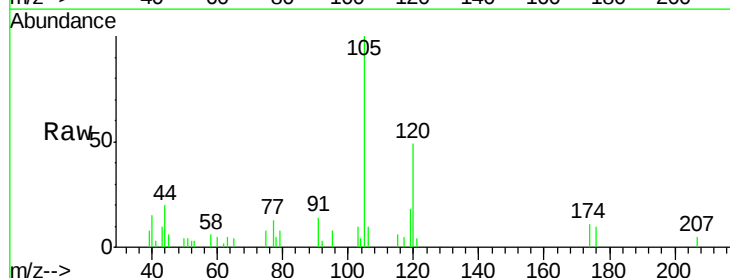
Acq: 28 Jan 2019 15:55

Tgt Ion: 105 Resp: 9970

Ion Ratio Lower Upper

105 100

120 46.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

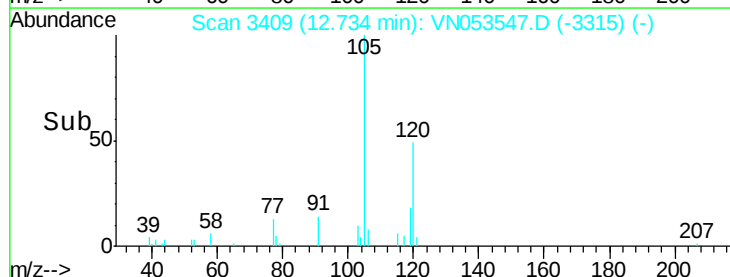
6000

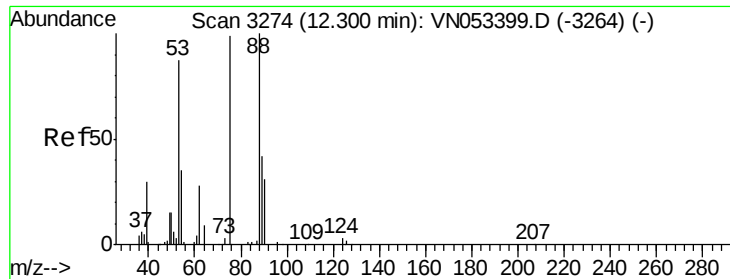
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 89.213 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

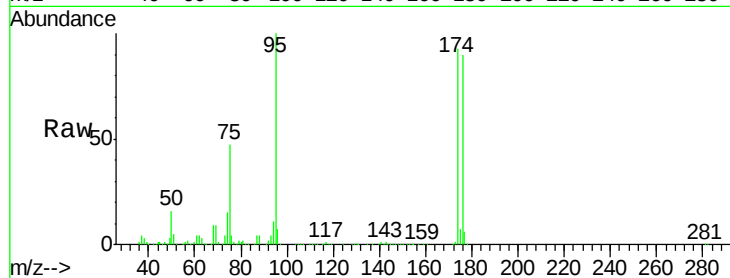
Tot Ion: 75 Resp: 267116

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)

12.40

150000

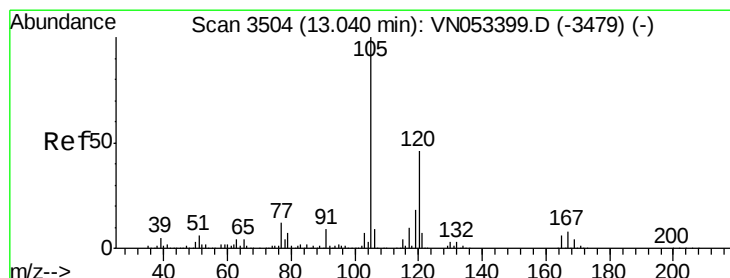
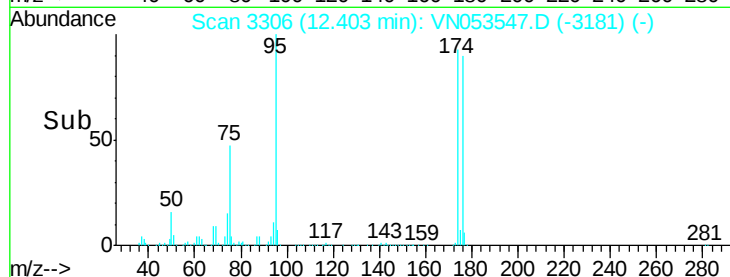
100000

50000

0

12.35 12.40 12.45

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.229 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053547.D

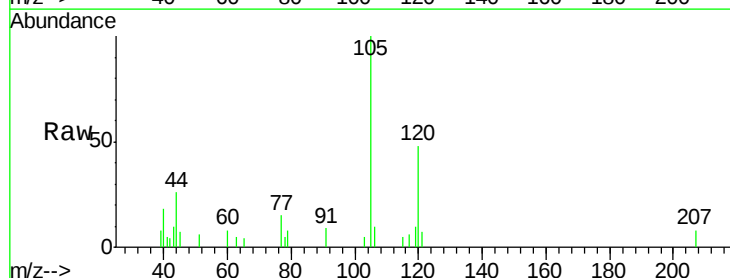
Acq: 28 Jan 2019 15:55

Tgt Ion: 105 Resp: 7724

Ion Ratio Lower Upper

105 100

120 43.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3479) (-)

13.04

5000

4000

3000

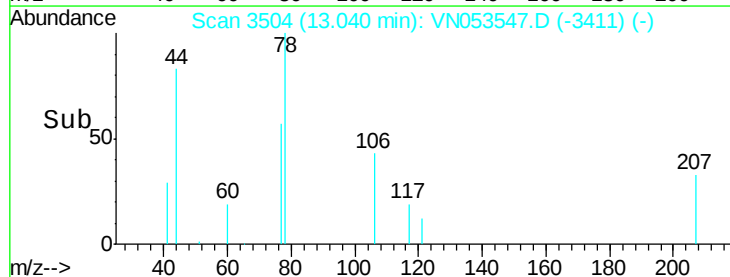
2000

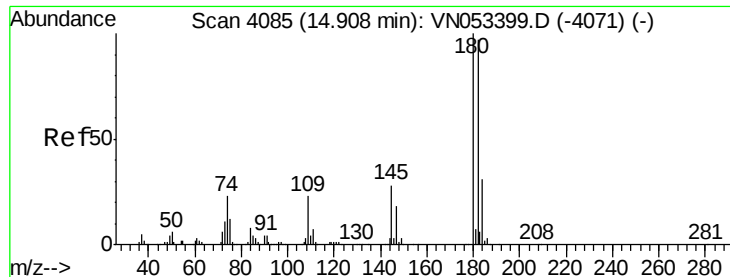
1000

0

13.00 13.05 13.10

Time-->

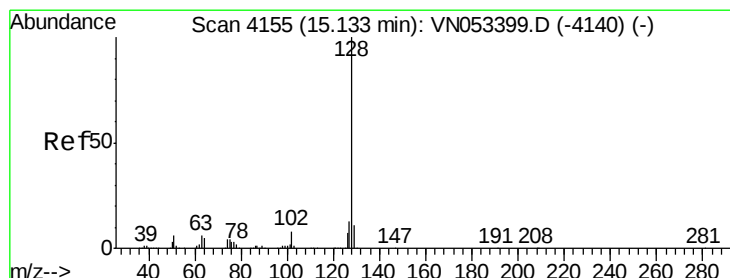
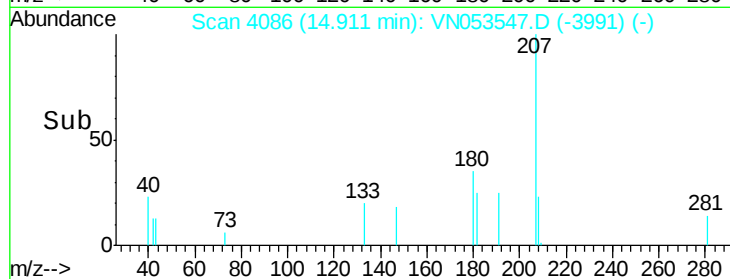
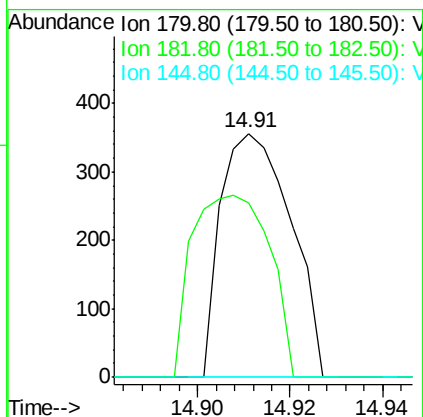
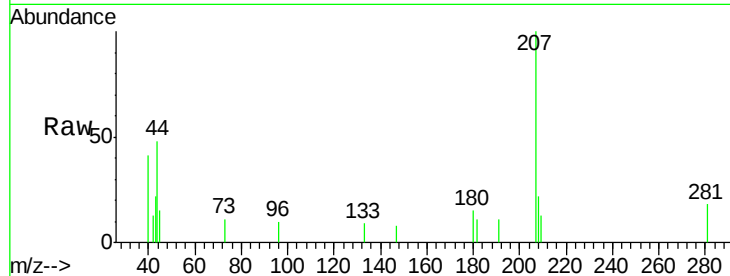




#93
 1,2,4-Trichlorobenzene
 Concen: 2.812 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

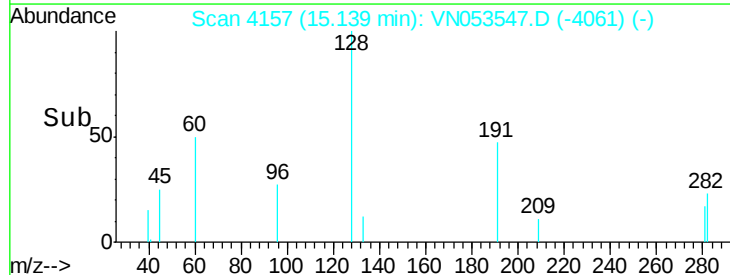
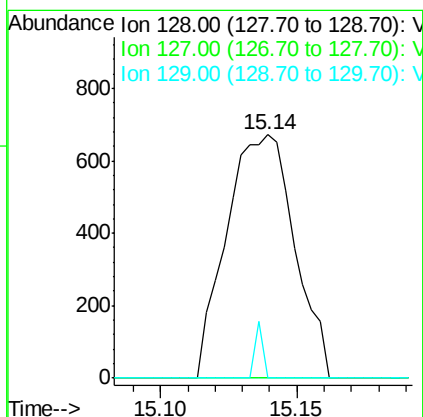
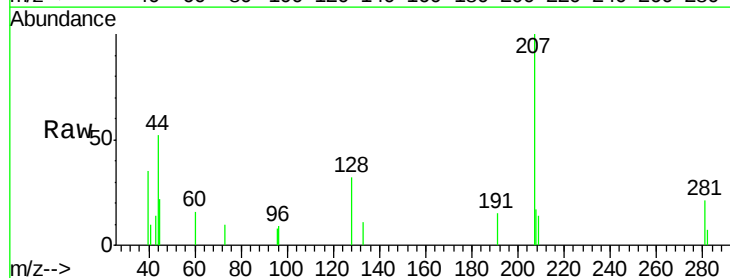
Instrument :
 MSVOA_N
 ClientSampled :

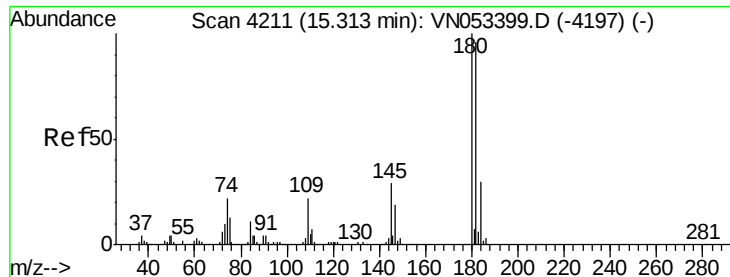
Tot Ion:180 Resp: 375
 Ion Ratio Lower Upper
 180 100
 182 81.9 48.1 144.3
 145 0.0 13.9 41.6#



#95
 Naphthalene
 Concen: 4.018 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Tgt Ion:128 Resp: 1162
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 2.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.958 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053547.D
 Acq: 28 Jan 2019 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	0.0	14.7	44.1

