

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051243.D
 Acq On : 16 Sep 2018 00:30
 Operator : MD\SY
 Sample : PB112879ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:24:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	425734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	636127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	125800	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	224058	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	7.59	113	242636	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.09	98	826366	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.40	95	193176	32.20	ug/l	0.00
Spiked Amount			Recovery	=	64.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1957	Below Cal	#	72
5) Bromomethane	2.57	94	3073	Below Cal		89
10) Methyl Iodide	3.95	142	1500	5.93	ug/l #	70
16) Acetone	3.83	43	10482	3.18	ug/l #	84
17) Carbon Disulfide	4.05	76	5250	0.50	ug/l	97
18) Methyl Acetate	4.34	43	10045	2.65	ug/l	93
20) Methylene Chloride	4.55	84	29465	5.63	ug/l	99
25) 2-Butanone	6.85	43	1814	0.97	ug/l #	85
29) Tetrahydrofuran	7.22	42	687	0.59	ug/l #	80
31) Cyclohexane	7.67	56	7390	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26684	3.82	ug/l #	47
38) Carbon Tetrachloride	7.67	117	36026	5.24	ug/l #	17
43) Isopropyl Acetate	8.17	43	189595	26.56	ug/l #	86
48) Methyl methacrylate	9.19	41	4601	1.32	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	1979	0.50	ug/l	88
56) Ethyl methacrylate	10.43	69	204	2.49	ug/l #	56
59) 2-Hexanone	10.77	43	11979	4.48	ug/l	61
74) N-amyl acetate	12.08	43	1403	0.53	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.50	83	370	Below Cal	#	91
76) 1,2,3-Trichloropropane	12.40	75	88572	45.27	ug/l #	100
77) Bromobenzene	12.53	156	698	0.25	ug/l	72
78) n-propylbenzene	12.59	91	2410	0.21	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	3636	0.43	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.40	75	88572	133.71	ug/l #	15
82) 4-Chlorotoluene	12.78	91	2019	0.28	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1839	0.38	ug/l	94
88) 1,4-Dichlorobenzene	13.29	146	1839	0.43	ug/l	95
89) n-Butylbenzene	13.62	91	1730	0.27	ug/l	85
90) Hexachloroethane	13.88	117	93	Below Cal	#	2
91) 1,2-Dichlorobenzene	13.66	146	2130	0.45	ug/l	95
93) 1,2,4-Trichlorobenzene	14.90	180	2824	5.13	ug/l	98
94) Hexachlorobutadiene	15.01	225	1730	Below Cal		85
95) Naphthalene	15.13	128	6108	6.49	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	3183	4.33	ug/l	99

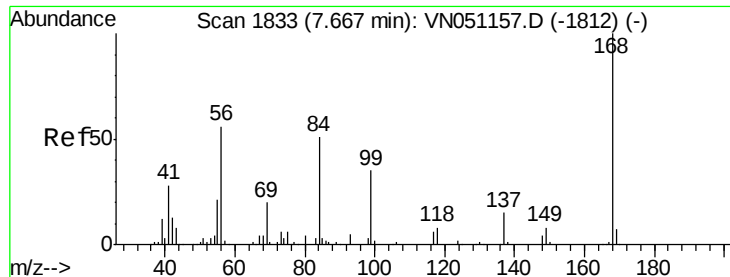
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
Data File : VN051243.D
Acq On : 16 Sep 2018 00:30
Operator : MD\SY
Sample : PB112879ZHE#19
Misc : 5.00mL/MSVOA N/WATER
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

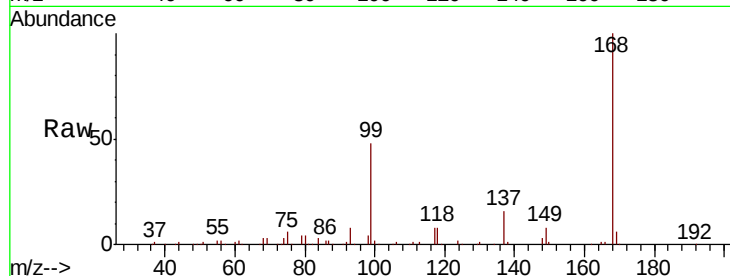
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 425734

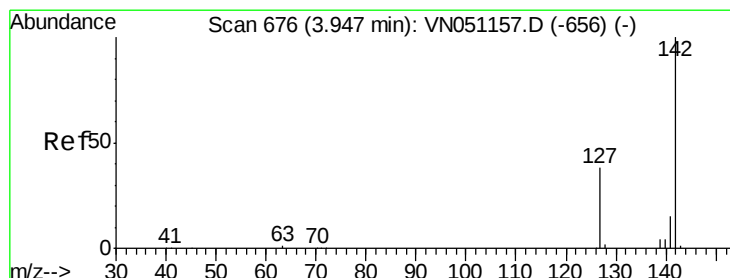
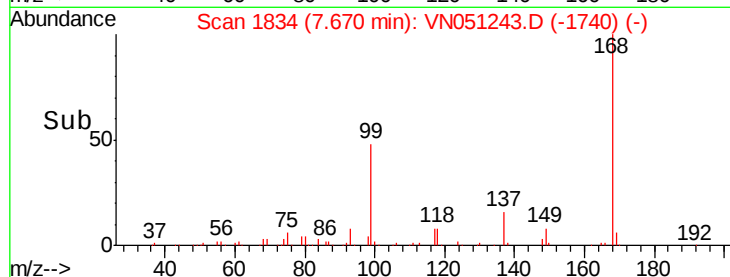
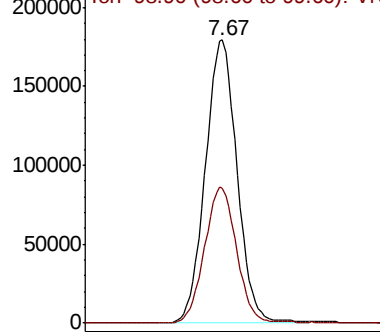
Ion Ratio Lower Upper

168 100

99 47.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 5.93 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

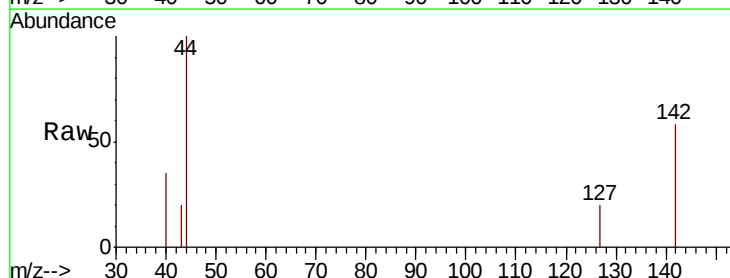
Tgt Ion:142 Resp: 1500

Ion Ratio Lower Upper

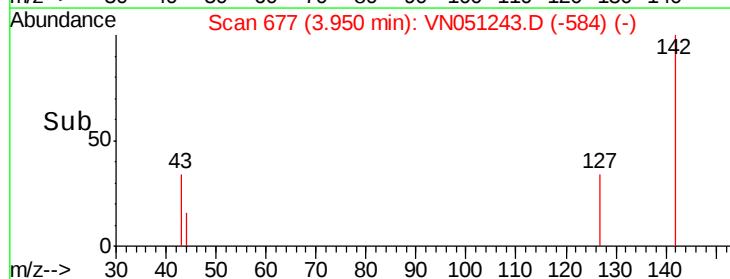
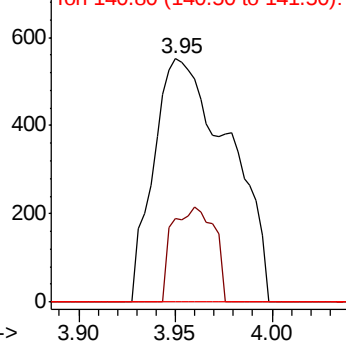
142 100

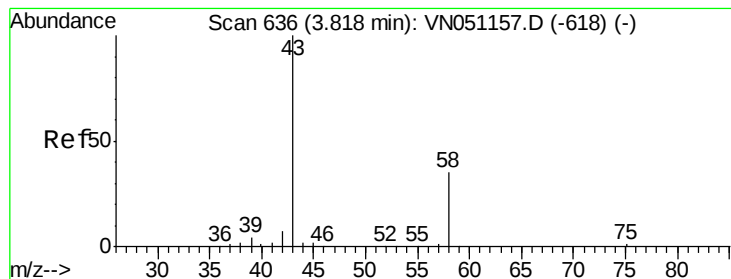
127 21.5 31.0 46.4#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 3.18 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

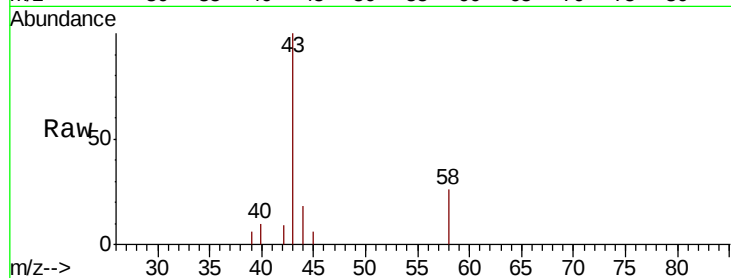
ClientSampleId :

Tot Ion: 43 Resp: 10482

Ion Ratio Lower Upper

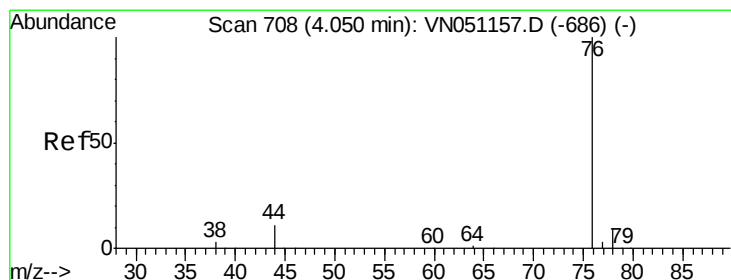
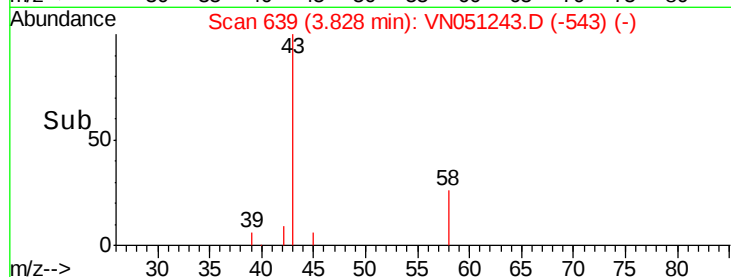
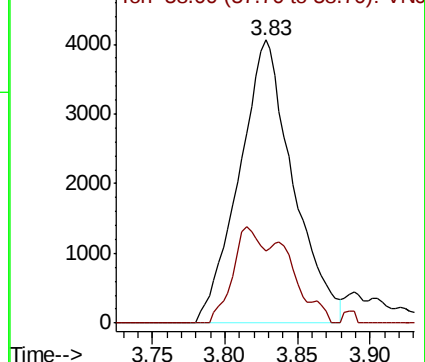
43 100

58 25.7 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.50 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051243.D

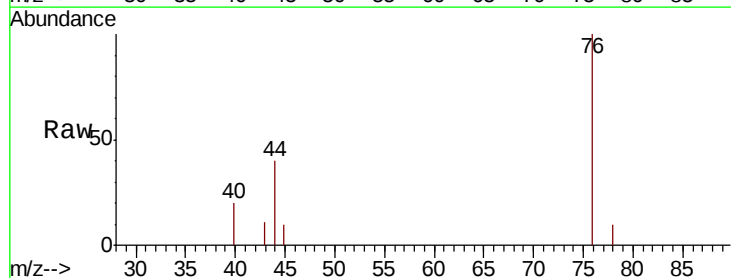
Acq: 16 Sep 2018 00:30

Tgt Ion: 76 Resp: 5250

Ion Ratio Lower Upper

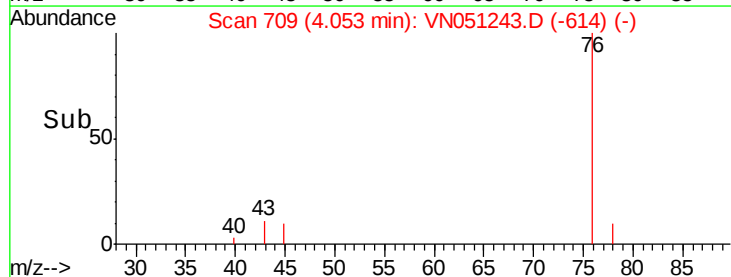
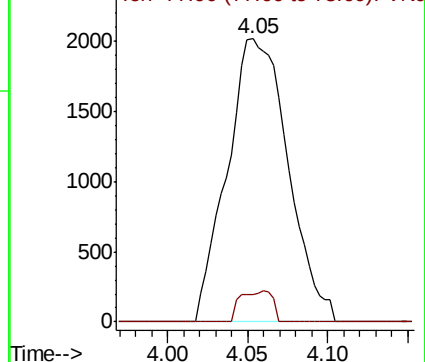
76 100

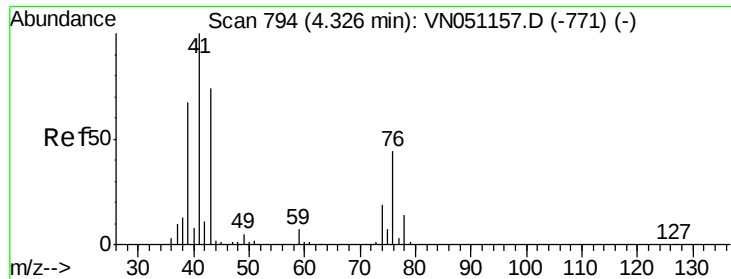
78 9.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

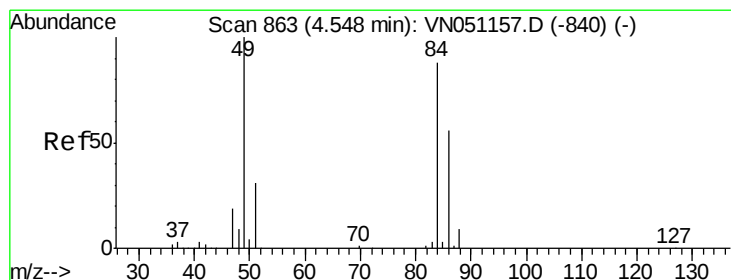
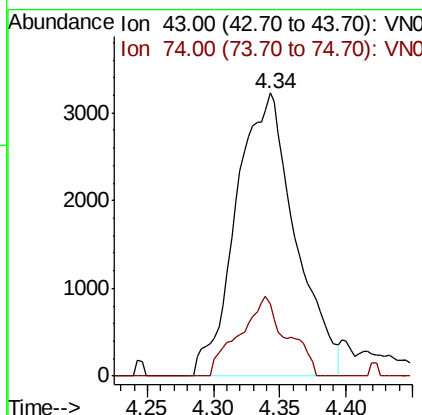
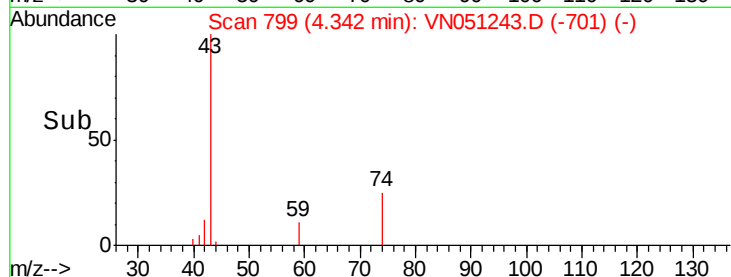
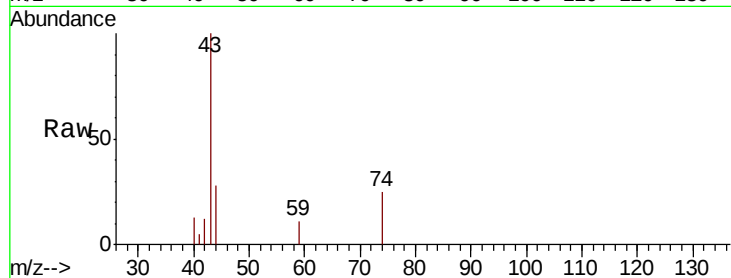




#18
Methyl Acetate
Concen: 2.65 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

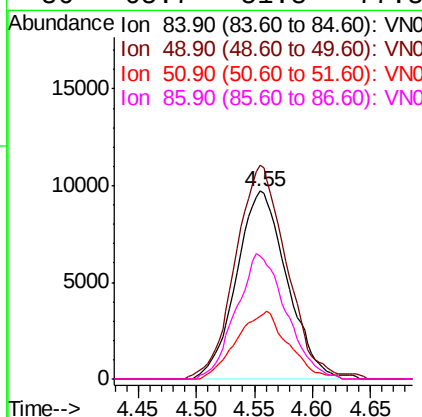
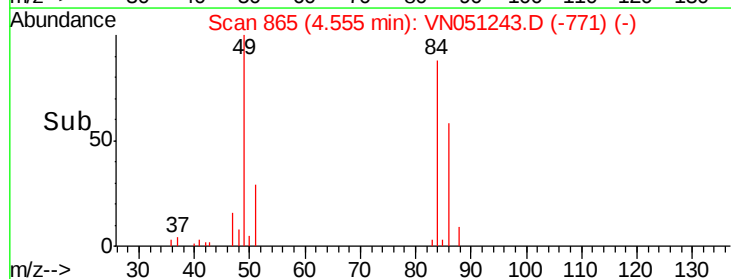
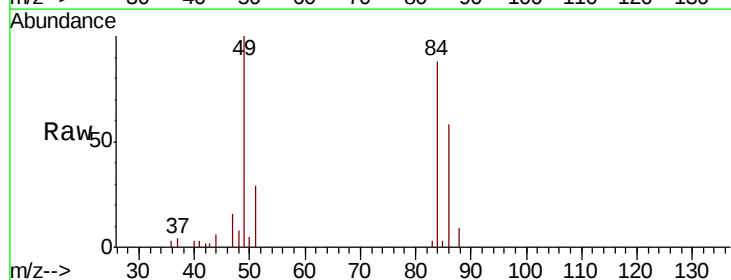
Instrument :
MSVOA_N
ClientSampled :

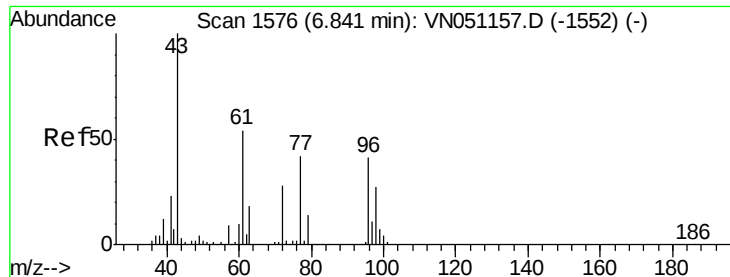
Tot Ion: 43 Resp: 10045
Ion Ratio Lower Upper
43 100
74 22.5 20.7 31.1



#20
Methylene Chloride
Concen: 5.63 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

Tgt Ion: 84 Resp: 29465
Ion Ratio Lower Upper
84 100
49 112.1 90.2 135.2
51 33.5 28.4 42.6
86 65.7 51.8 77.8

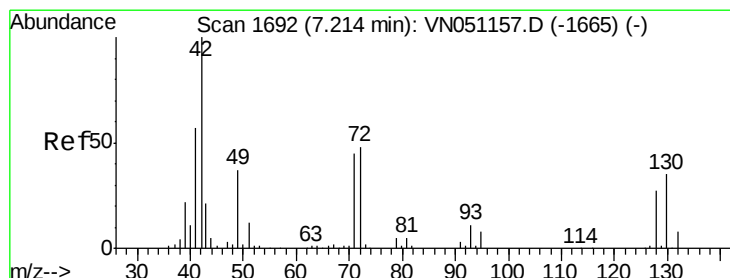
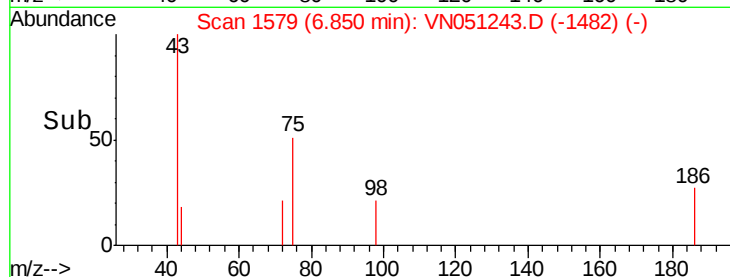
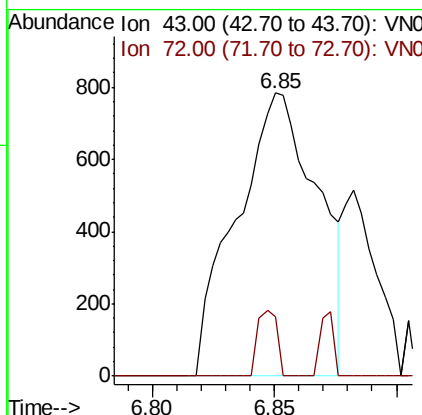
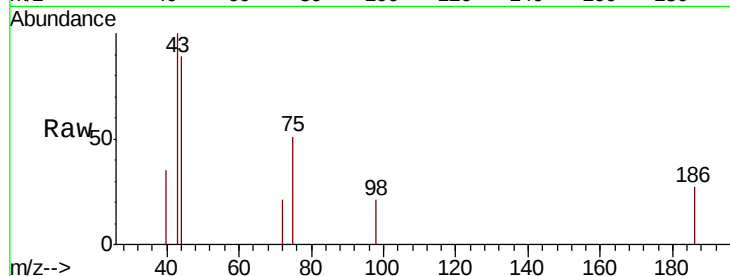




#25
 2-Butanone
 Concen: 0.97 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

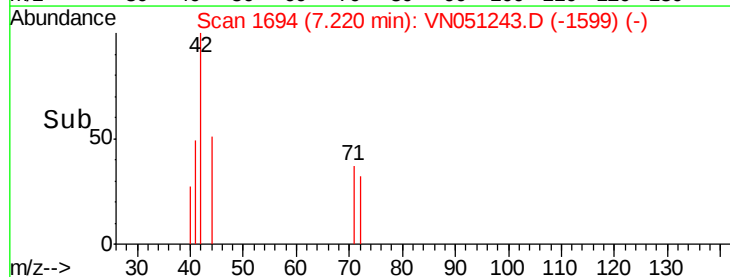
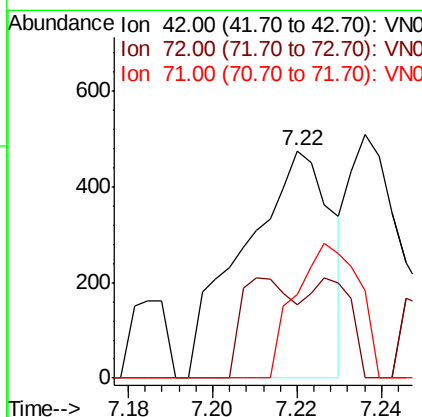
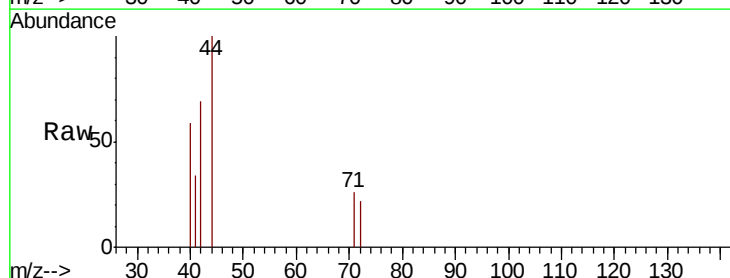
Instrument :
 MSVOA_N
 ClientSampled :

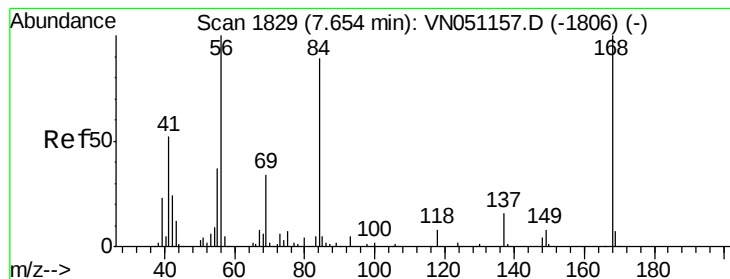
Tot Ion: 43 Resp: 1814
 Ion Ratio Lower Upper
 43 100
 72 21.0 23.0 34.6#



#29
 Tetrahydrofuran
 Concen: 0.59 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Tgt Ion: 42 Resp: 687
 Ion Ratio Lower Upper
 42 100
 72 21.1 37.4 56.0#
 71 42.6 34.7 52.1





#31

Cyclohexane

Concen: 0.73 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

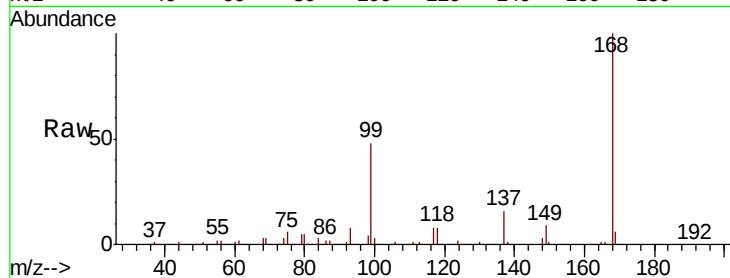
Tot Ion: 56 Resp: 7390

Ion Ratio Lower Upper

56 100

69 181.9 26.3 39.5#

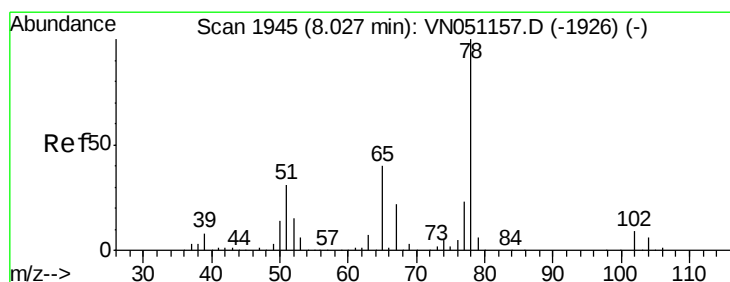
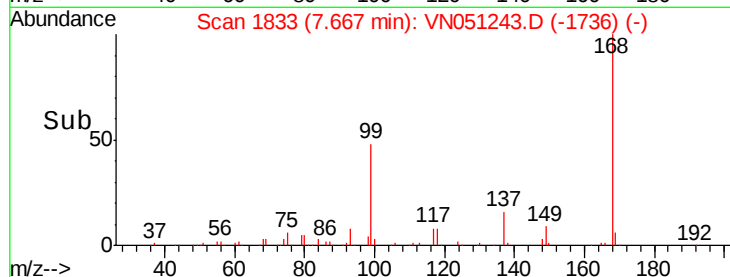
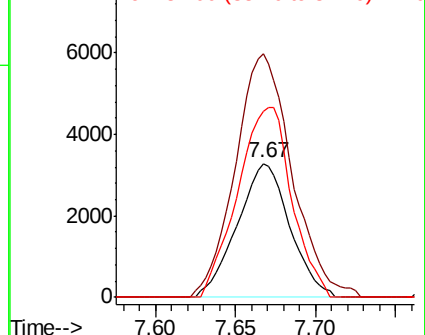
84 138.9 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.29 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051243.D

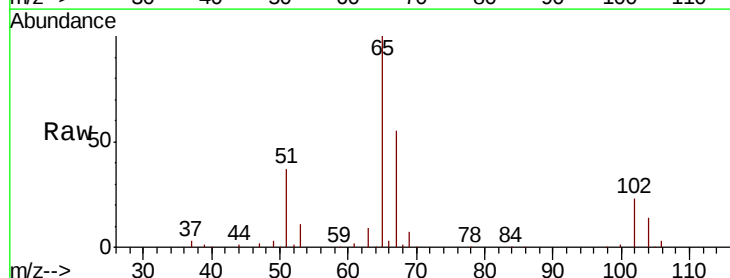
Acq: 16 Sep 2018 00:30

Tgt Ion: 65 Resp: 224058

Ion Ratio Lower Upper

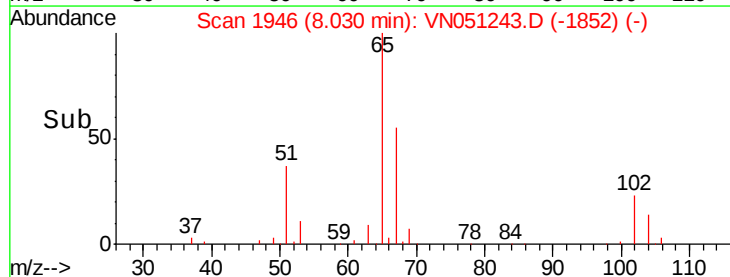
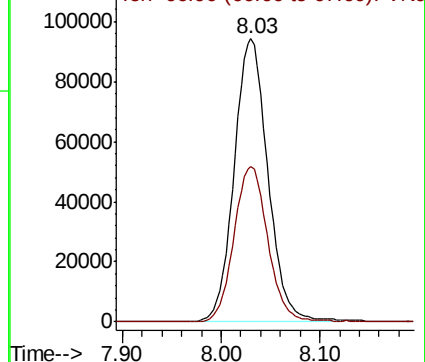
65 100

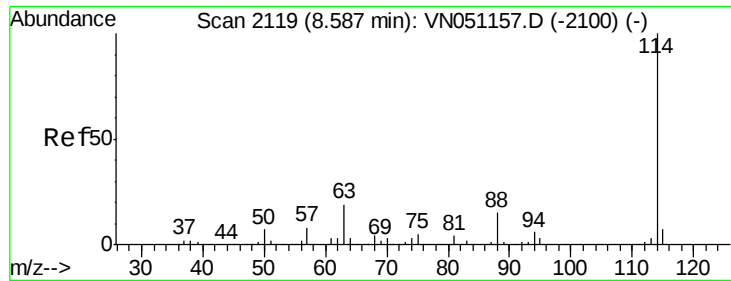
67 55.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

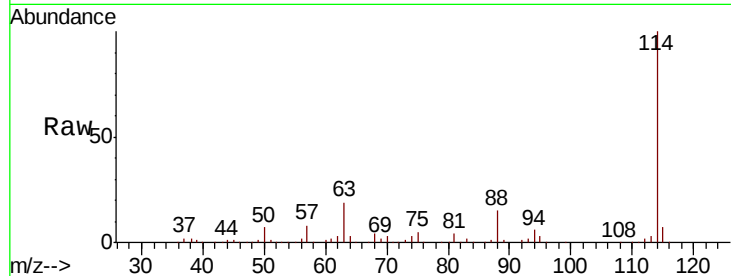




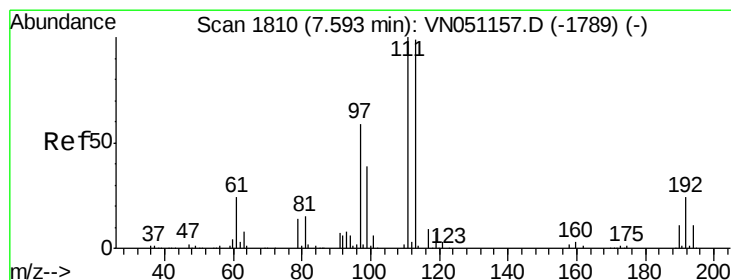
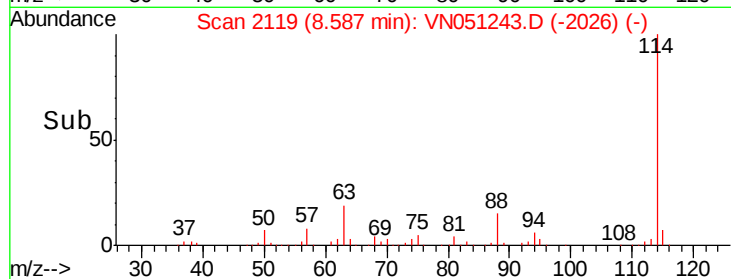
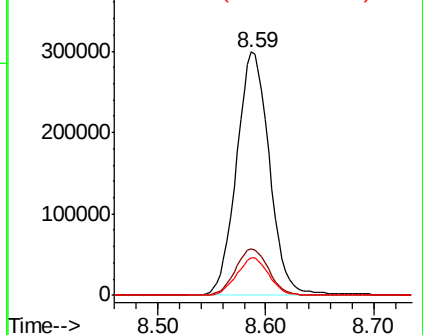
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 636127
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.8
 88 15.4 0.0 30.8

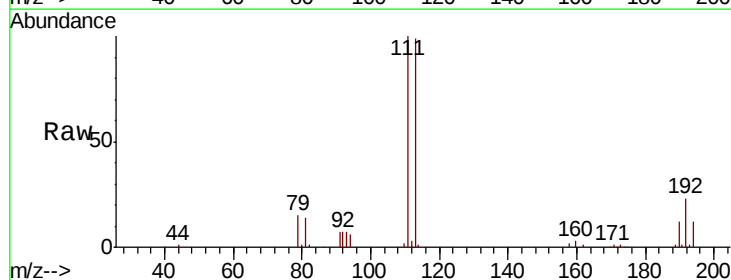


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

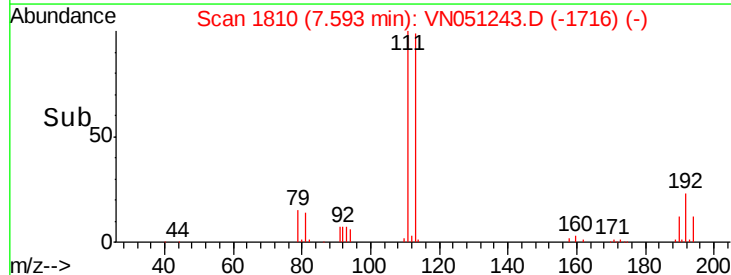
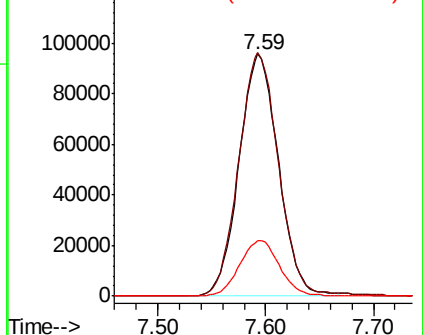


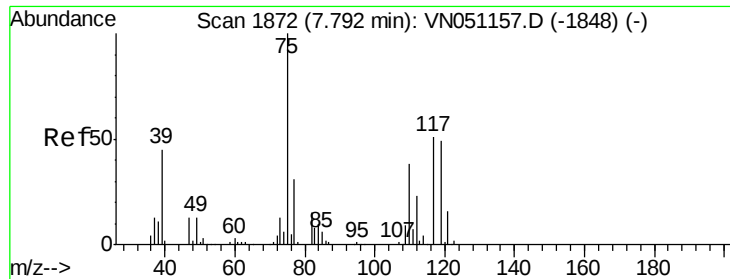
#35
 Dibromofluoromethane
 Concen: 50.76 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Tgt Ion:113 Resp: 242636
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.0 124.6
 192 23.3 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

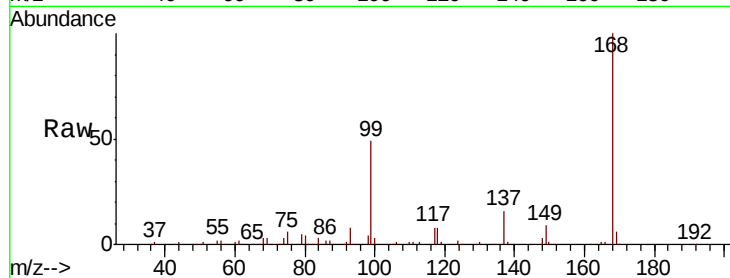




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Instrument :
 MSVOA_N
 ClientSampled :

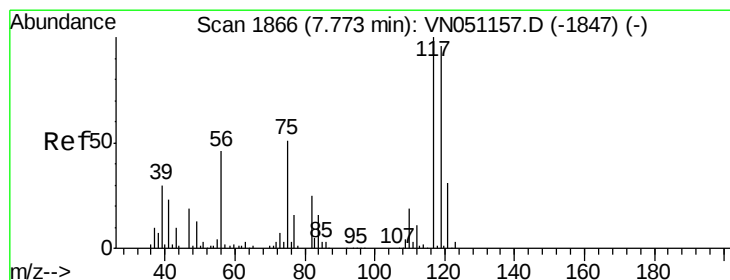
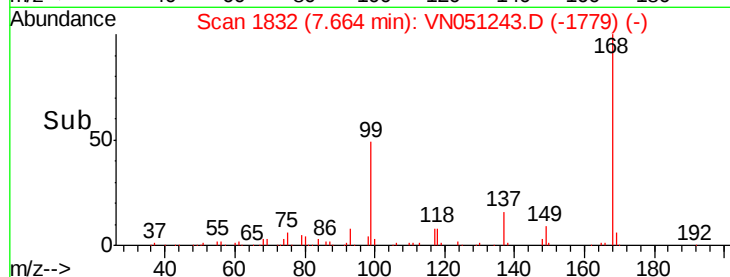
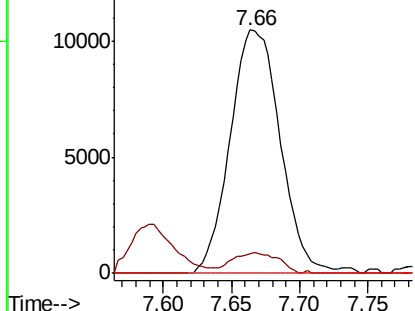
Tot Ion	75	Resp	26684
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	18.6	55.8#
77	0.0	25.2	37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-1848) (-)

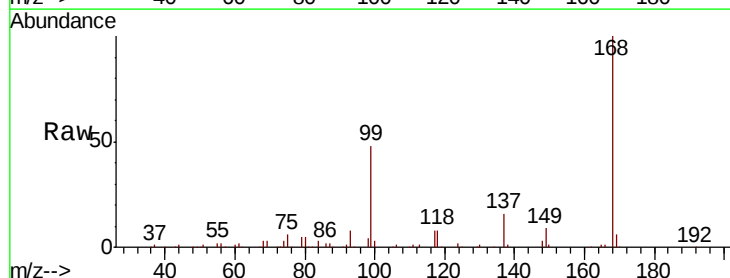
Ion 109.90 (109.60 to 110.60): VN051157.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN051157.D (-1848) (-)



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

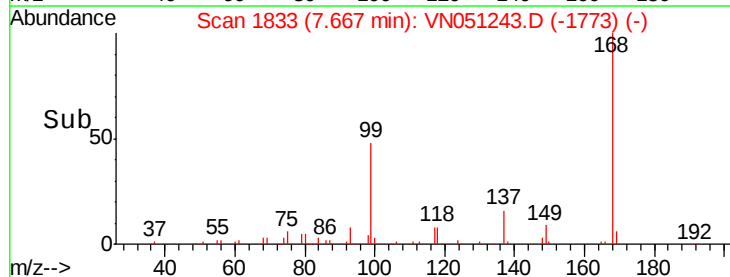
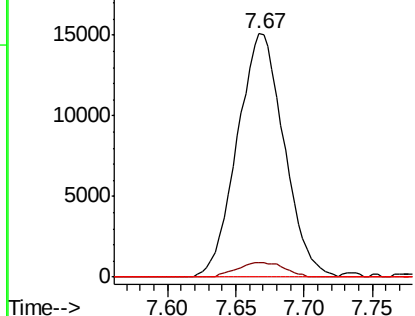
Tgt Ion	117	Resp	36026
Ion Ratio	100	Lower	Upper
117	100		
119	5.9	76.8	115.2#
121	0.0	24.6	36.8#

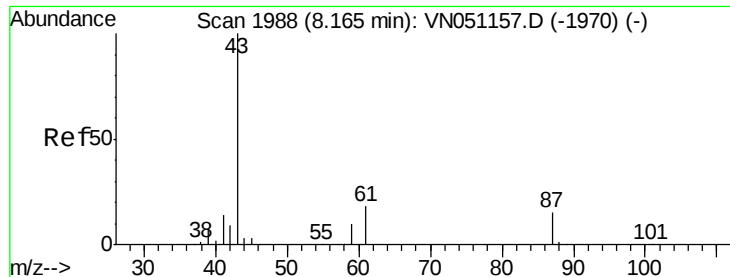


Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051157.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051157.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 26.56 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

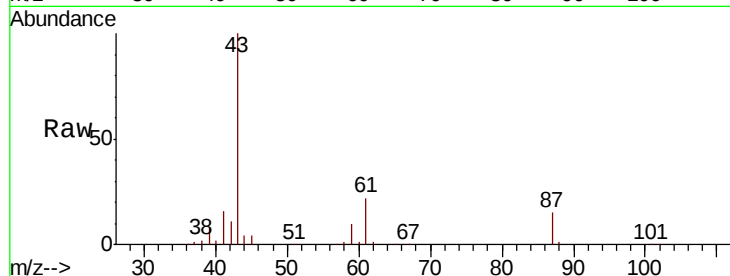
Tot Ion: 43 Resp: 189595

Ion Ratio Lower Upper

43 100

61 20.2 25.0 37.6#

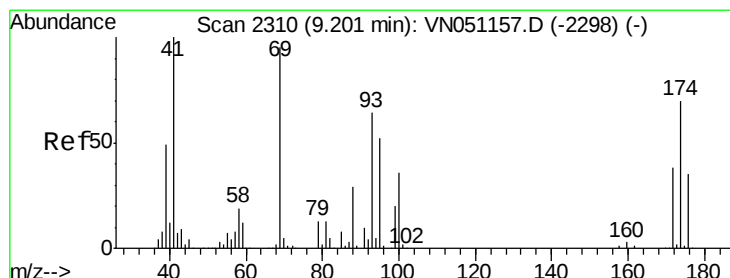
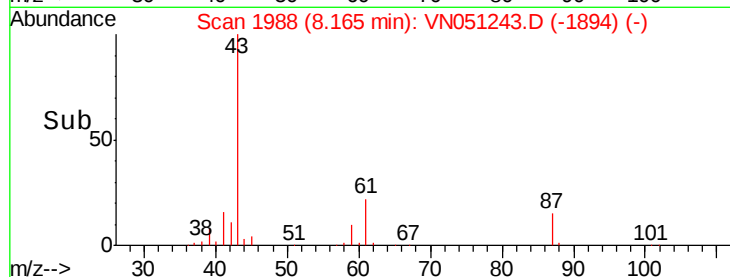
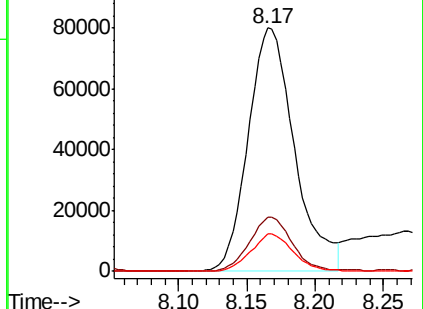
87 14.1 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.32 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

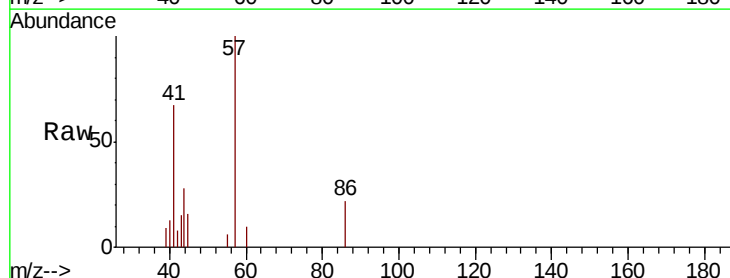
Tgt Ion: 41 Resp: 4601

Ion Ratio Lower Upper

41 100

69 0.0 77.7 116.5#

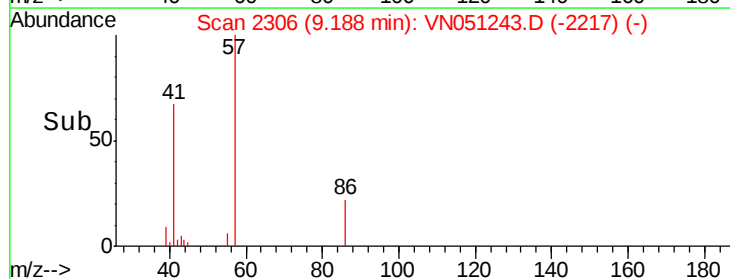
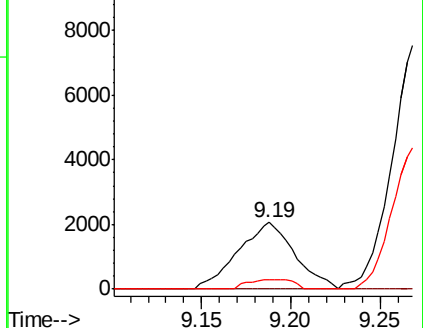
39 11.1 41.6 62.4#

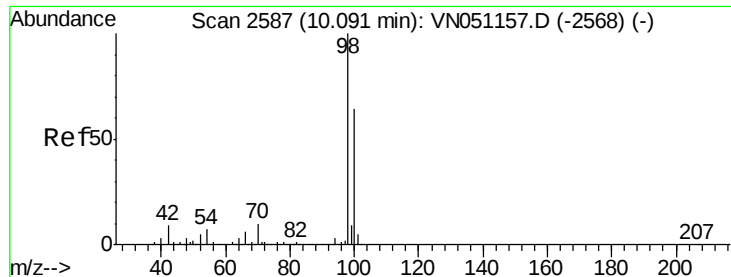


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 45.56 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

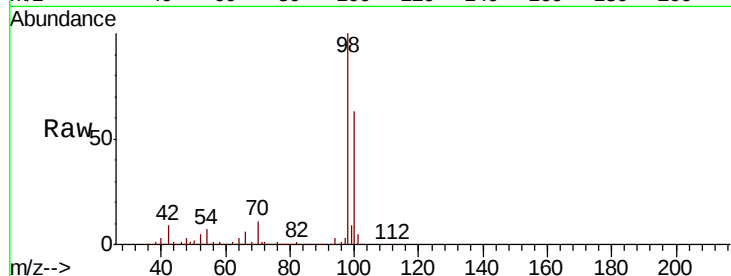
ClientSampled :

Tot Ion: 98 Resp: 826366

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

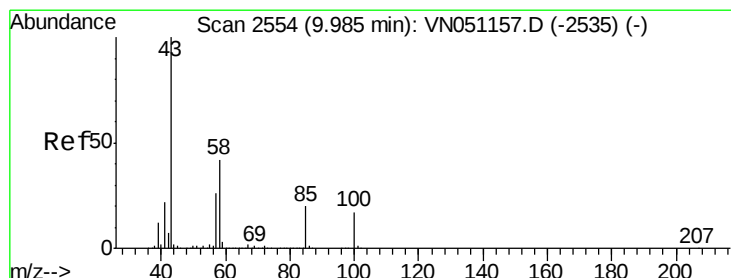
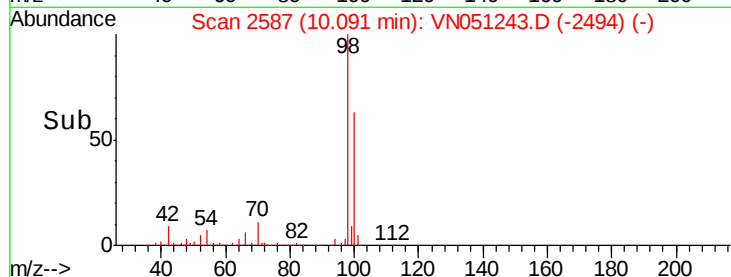
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051243.D

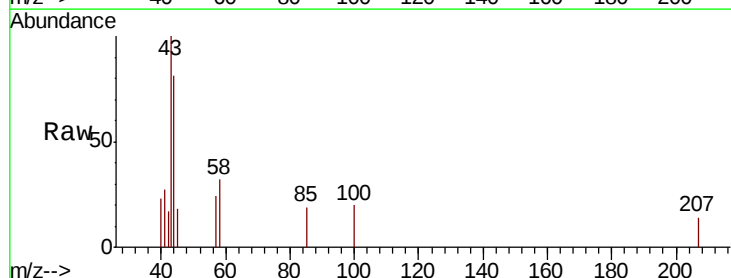
Acq: 16 Sep 2018 00:30

Tgt Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

58 34.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

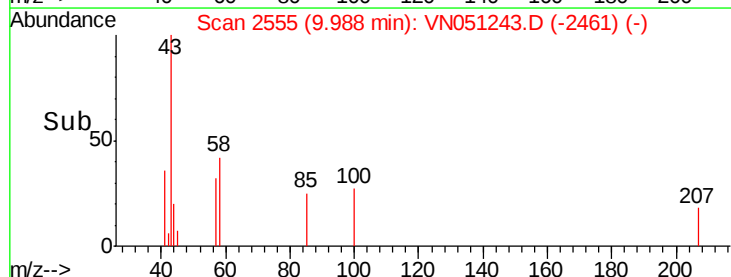
1500

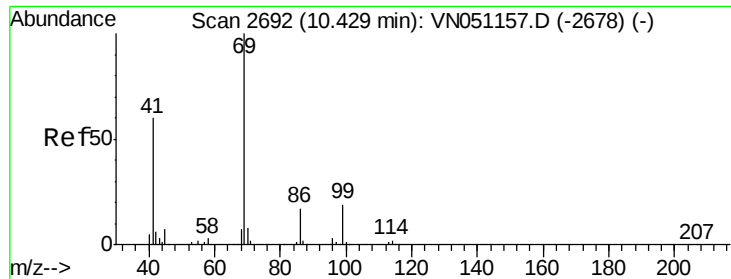
1000

500

0

Time-->

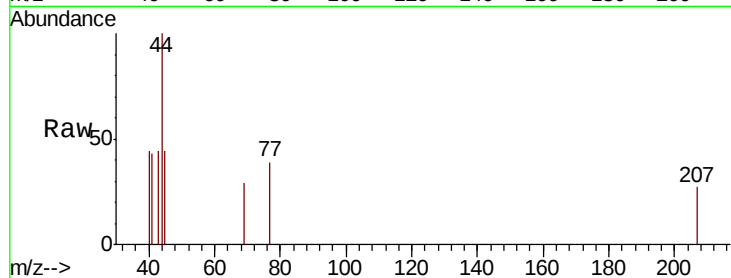




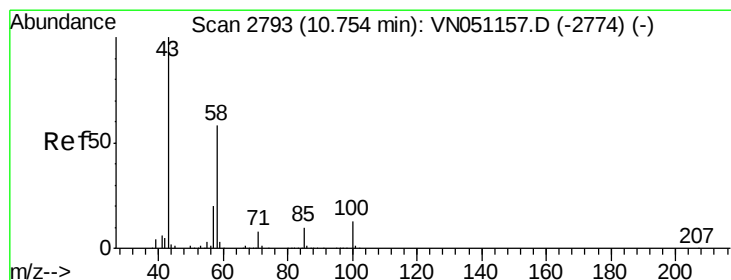
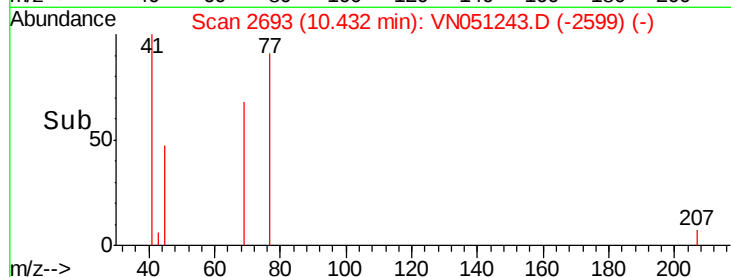
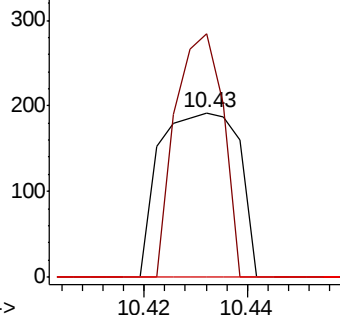
#56
Ethyl methacrylate
Concen: 2.49 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 89.2 47.8 71.8#
39 0.0 23.0 34.4#

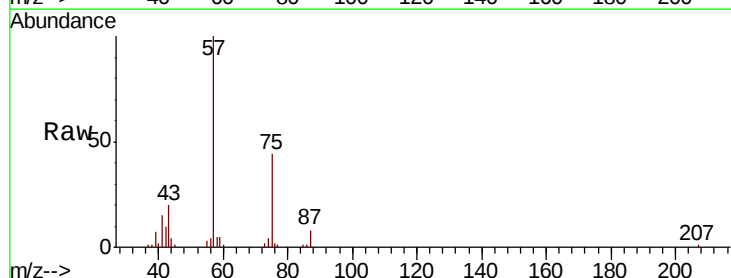


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

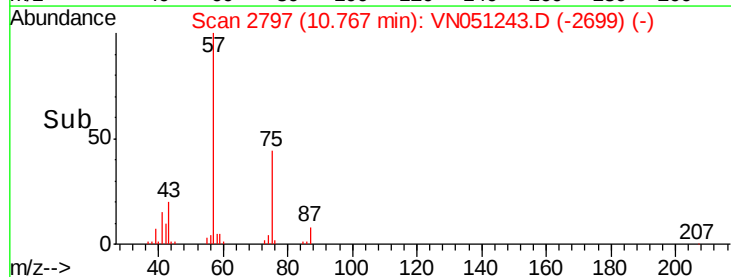
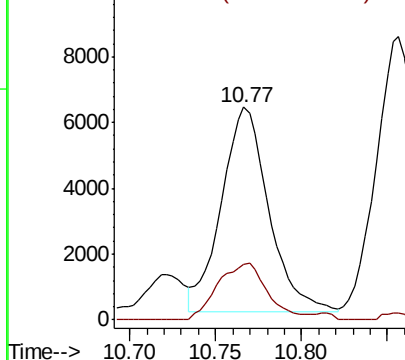


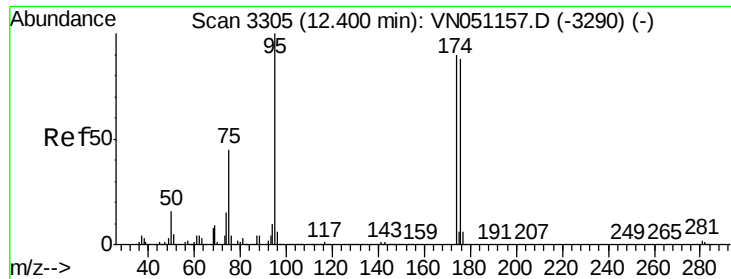
#59
2-Hexanone
Concen: 4.48 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

Tgt Ion: 43 Resp: 11979
Ion Ratio Lower Upper
43 100
58 29.4 29.3 88.0



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





#62

4-Bromofluorobenzene

Concen: 32.20 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

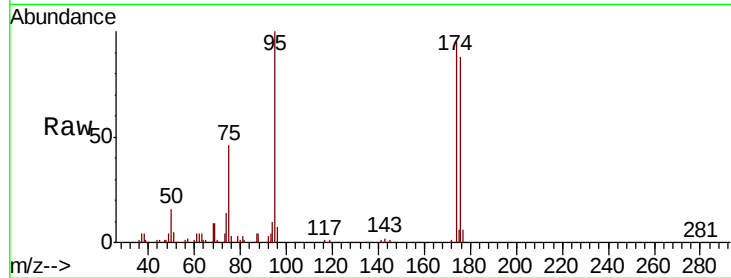
Tot Ion: 95 Resp: 193176

Ion Ratio Lower Upper

95 100

174 94.9 0.0 184.8

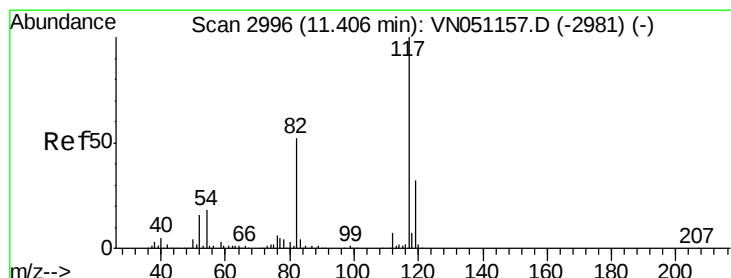
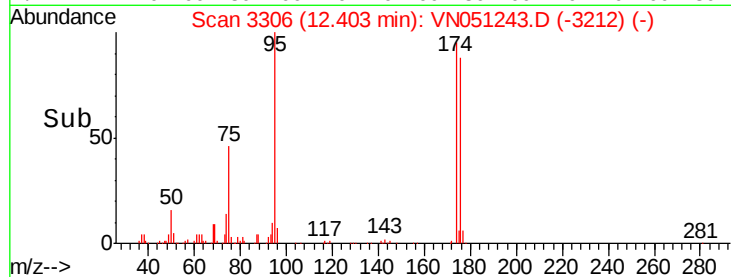
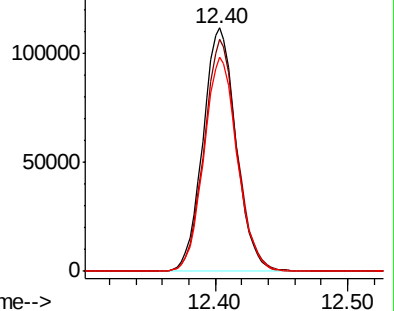
176 88.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

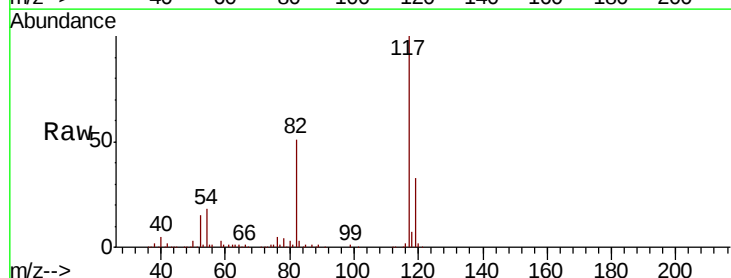
Tgt Ion: 117 Resp: 508187

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.6

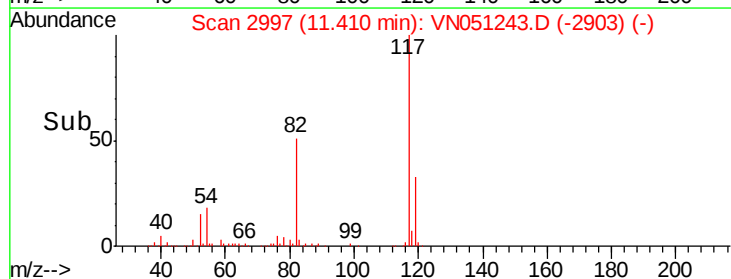
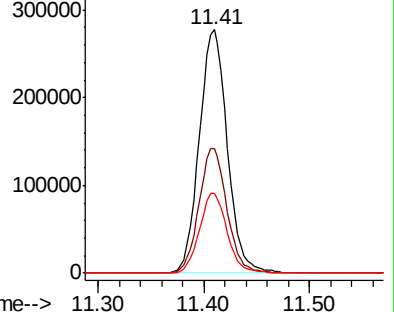
119 33.0 26.2 39.2

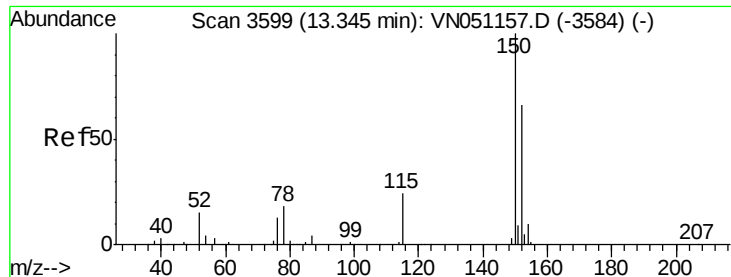


Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

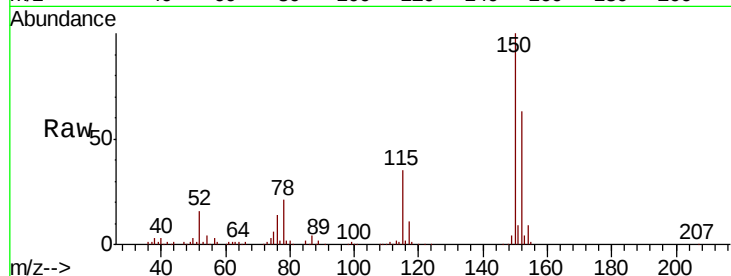
Tot Ion:152 Resp: 125800

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

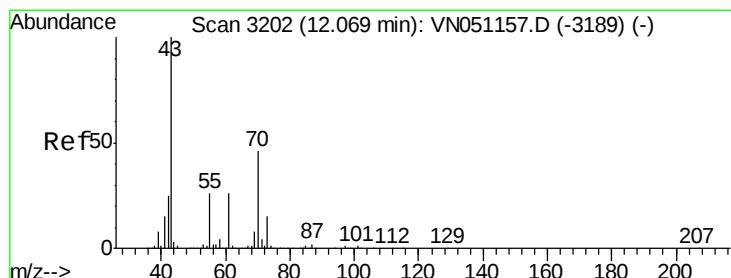
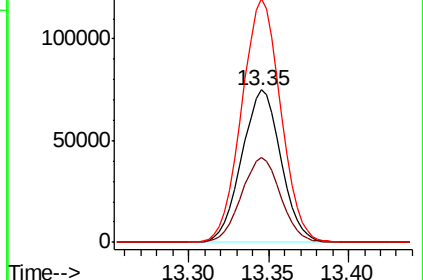
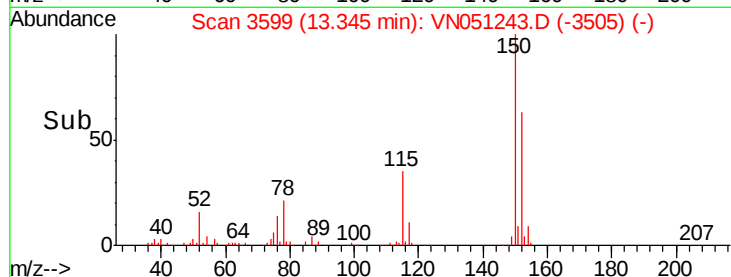
150 158.9 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.53 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Tgt Ion: 43 Resp: 1403

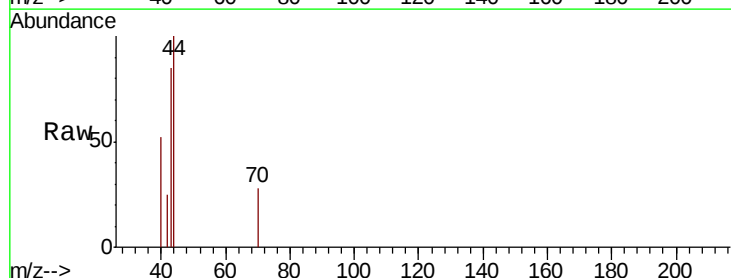
Ion Ratio Lower Upper

43 100

70 13.0 37.0 55.4#

55 4.6 21.3 31.9#

61 0.0 20.7 31.1#

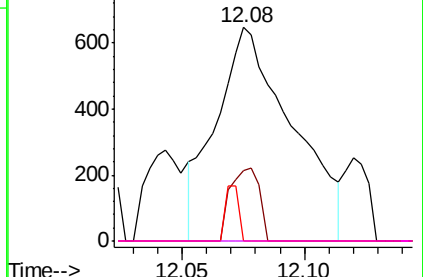
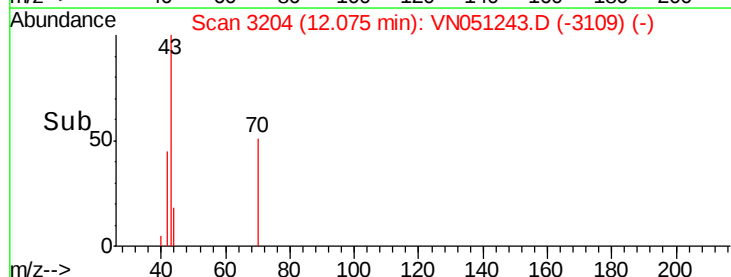


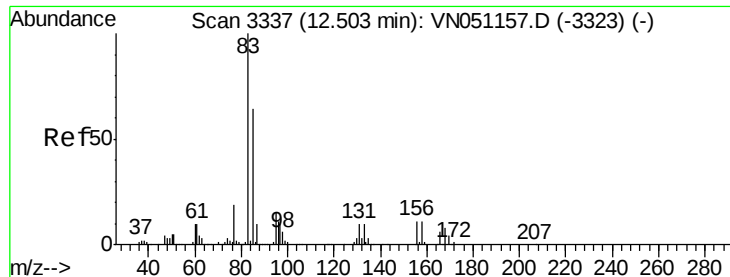
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

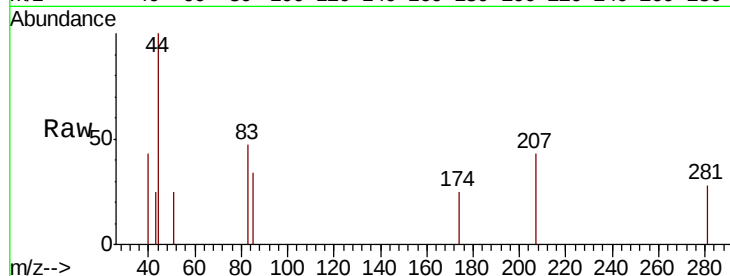
Tot Ion: 83 Resp: 370

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

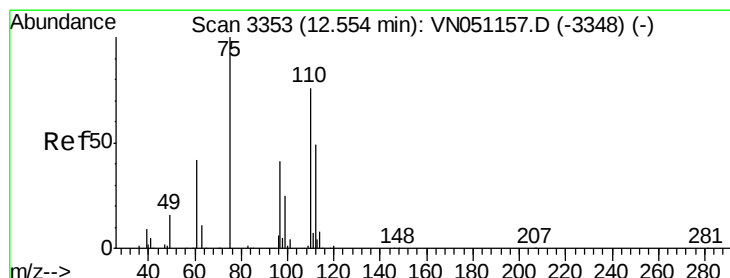
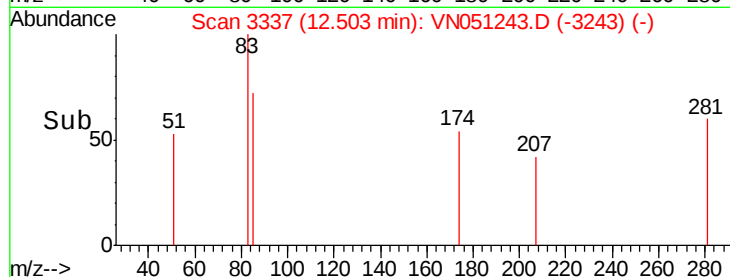
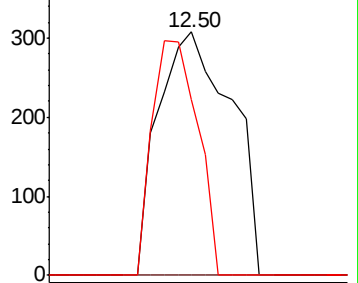
85 60.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN051157.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051157.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051157.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 45.27 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051243.D

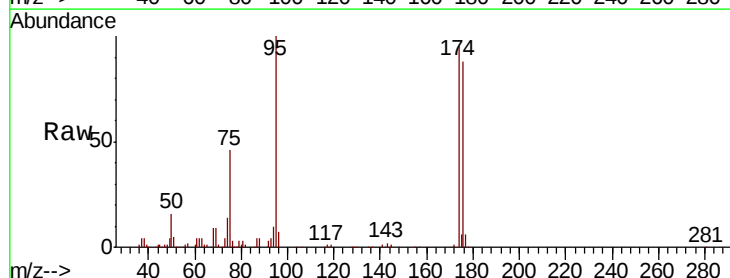
Acq: 16 Sep 2018 00:30

Tgt Ion: 75 Resp: 88572

Ion Ratio Lower Upper

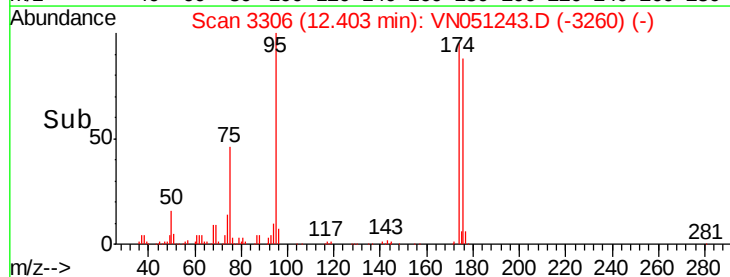
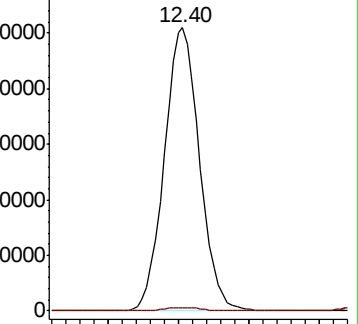
75 100

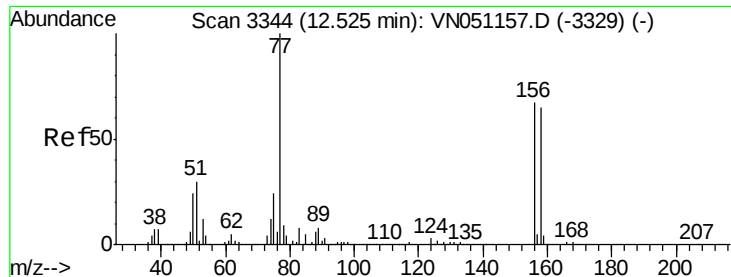
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051157.D (-3348) (-)





#77

Bromobenzene

Concen: 0.25 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

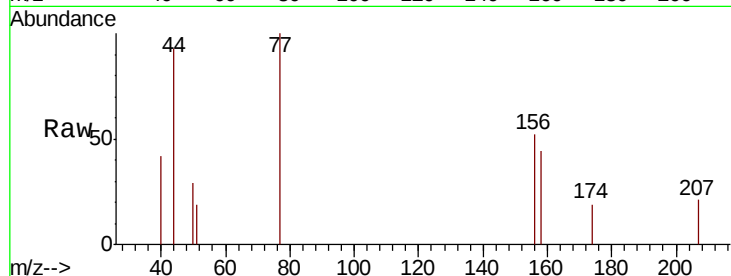
Tot Ion:156 Resp: 698

Ion Ratio Lower Upper

156 100

77 209.6 87.5 262.6

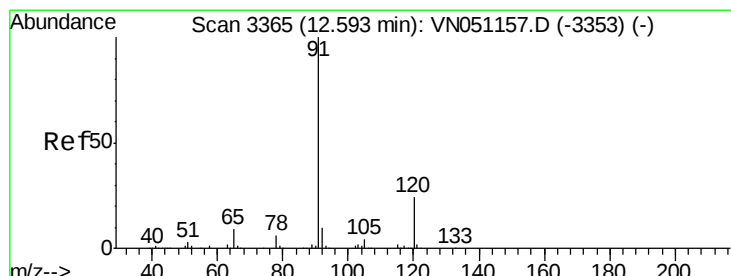
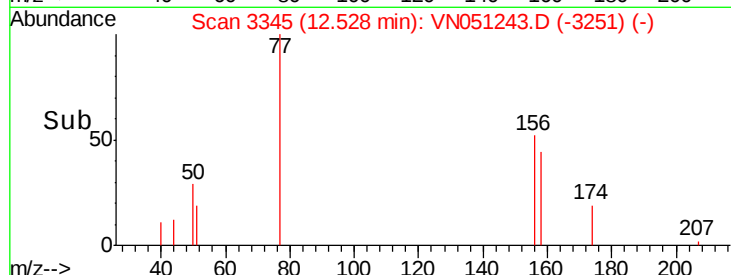
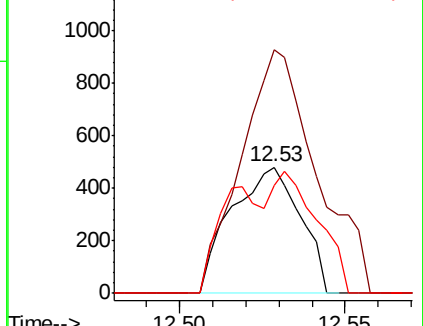
158 63.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.21 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051243.D

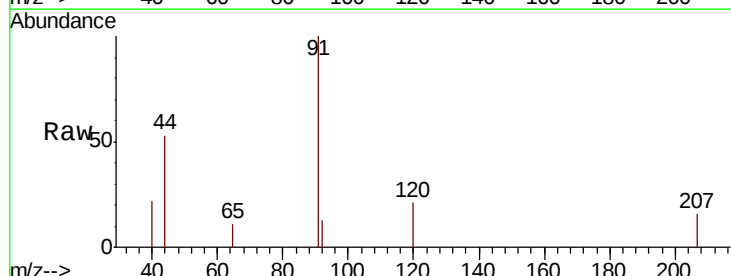
Acq: 16 Sep 2018 00:30

Tgt Ion: 91 Resp: 2410

Ion Ratio Lower Upper

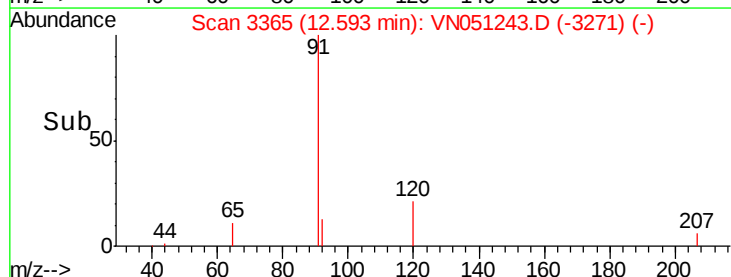
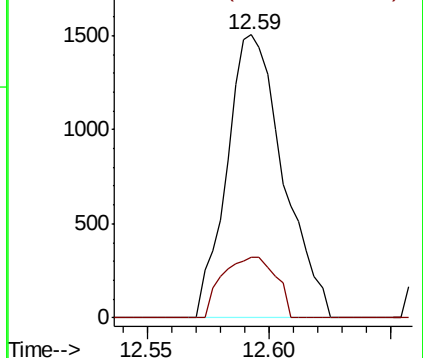
91 100

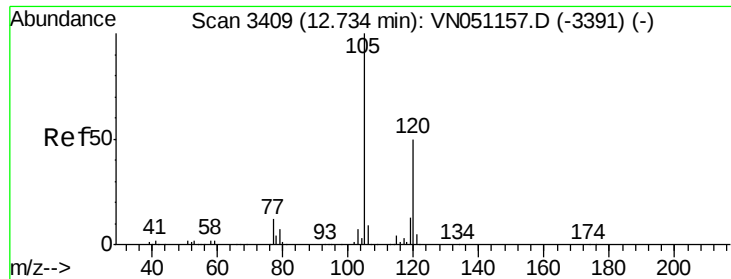
120 20.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.43 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

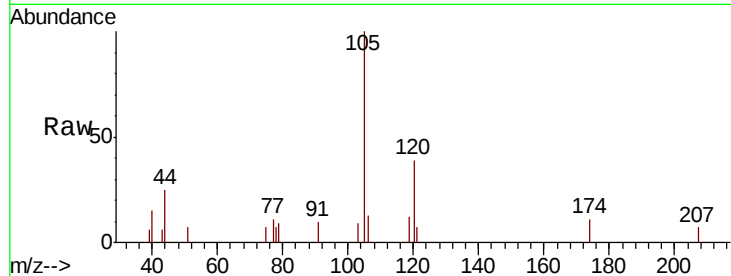
ClientSampled :

Tot Ion:105 Resp: 3636

Ion Ratio Lower Upper

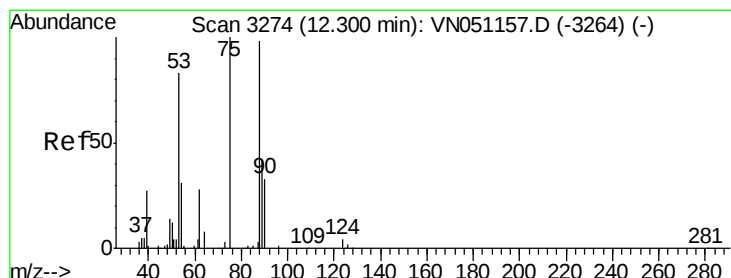
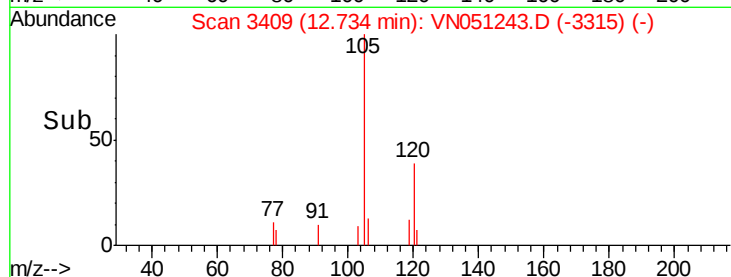
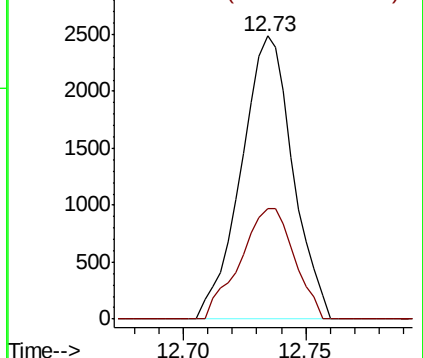
105 100

120 41.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 133.71 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

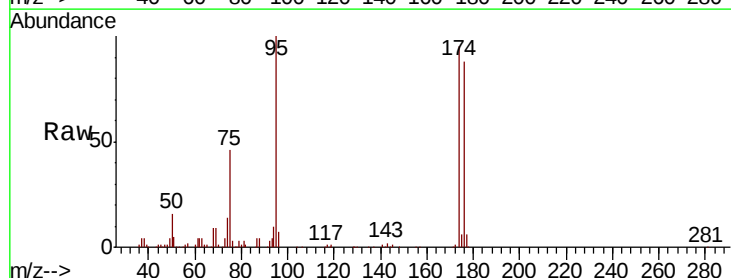
Tgt Ion: 75 Resp: 88572

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

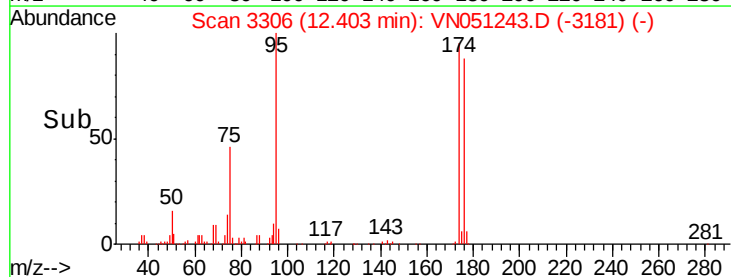
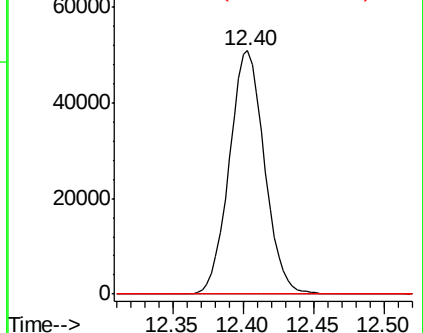
89 0.0 36.0 54.0#

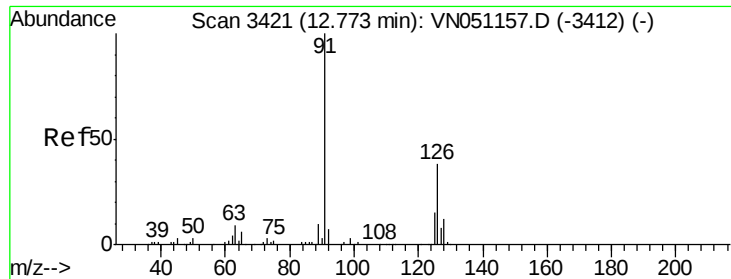


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

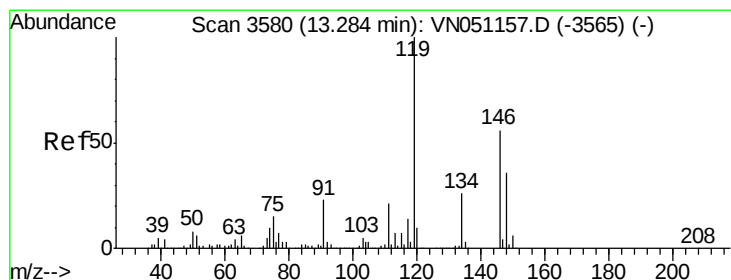
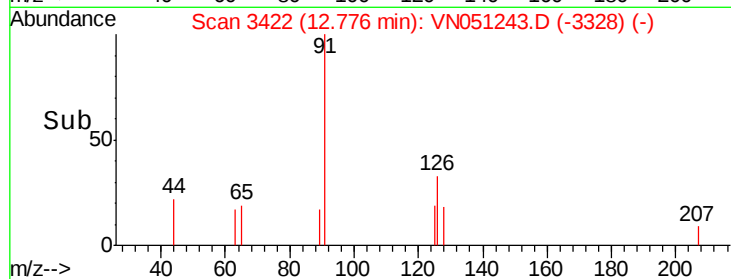
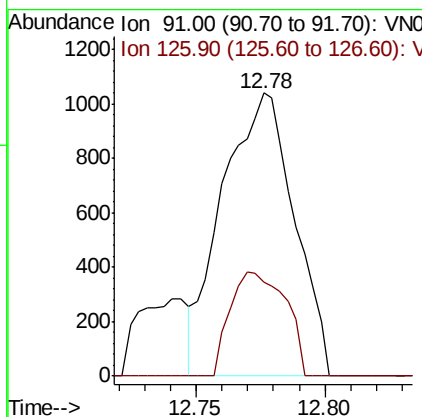
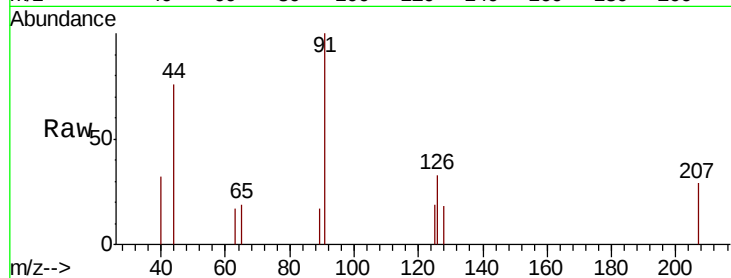




#82
4-Chlorotoluene
Concen: 0.28 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

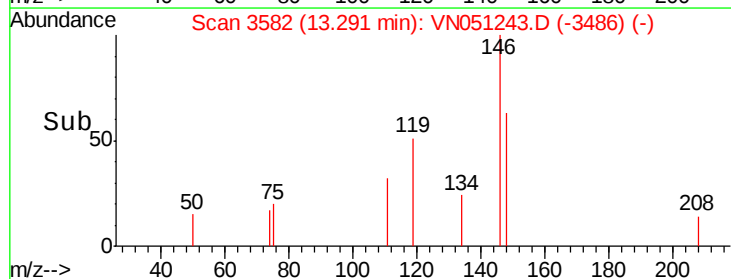
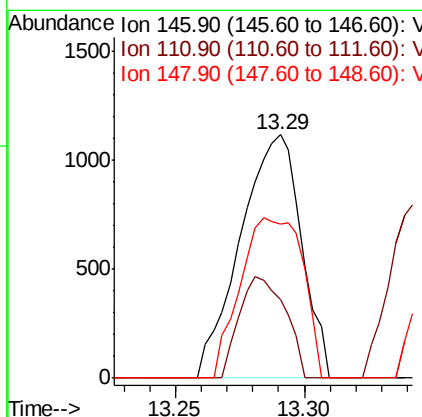
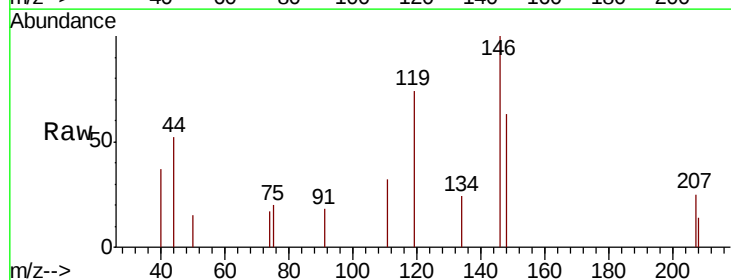
Instrument :
MSVOA_N
ClientSampleId :

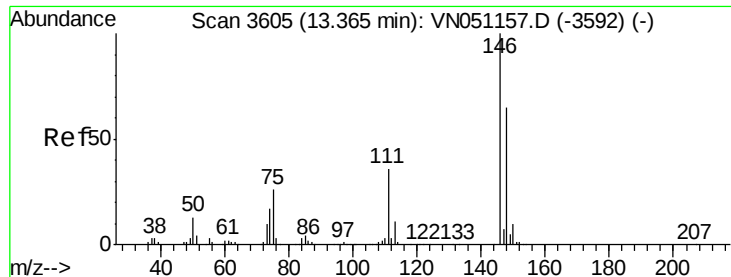
Tot Ion: 91 Resp: 2019
Ion Ratio Lower Upper
91 100
126 28.5 17.6 52.8



#87
1,3-Dichlorobenzene
Concen: 0.38 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.01 min
Lab File: VN051243.D
Acq: 16 Sep 2018 00:30

Tgt Ion: 146 Resp: 1839
Ion Ratio Lower Upper
146 100
111 31.5 19.1 57.1
148 67.3 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.43 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.07 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

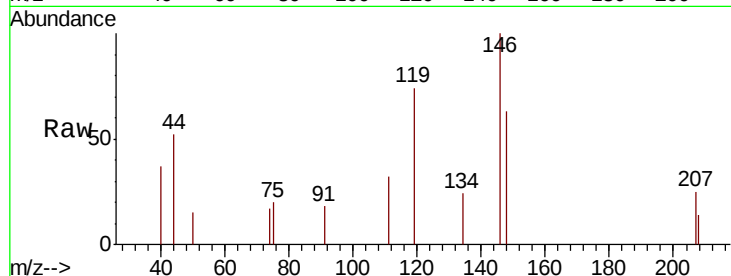
Tot Ion:146 Resp: 1839

Ion Ratio Lower Upper

146 100

111 31.5 18.4 55.0

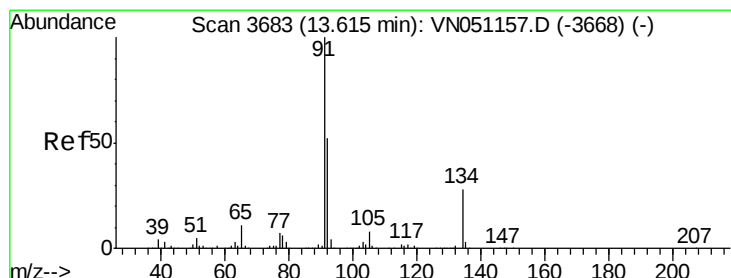
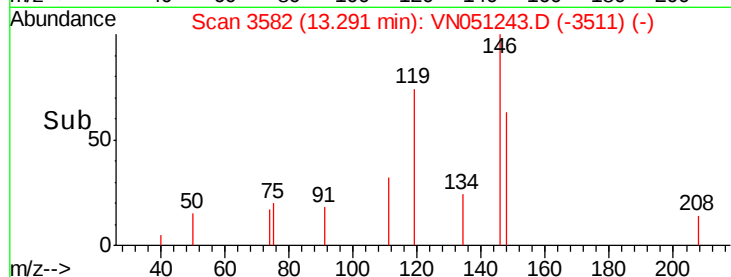
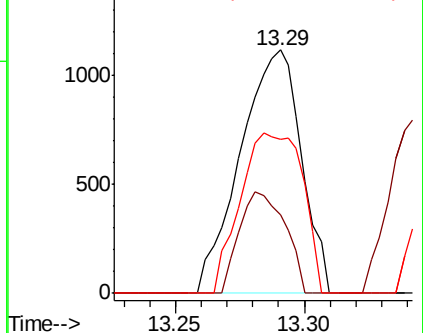
148 67.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.27 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

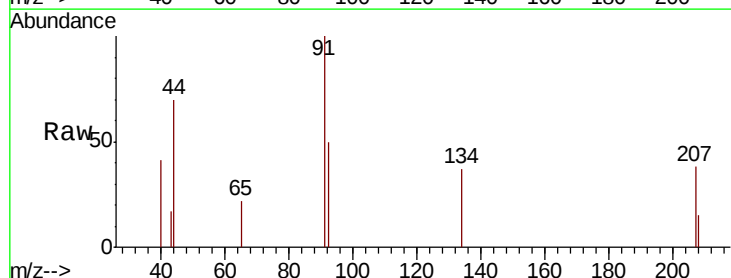
Tgt Ion: 91 Resp: 1730

Ion Ratio Lower Upper

91 100

92 39.9 26.2 78.6

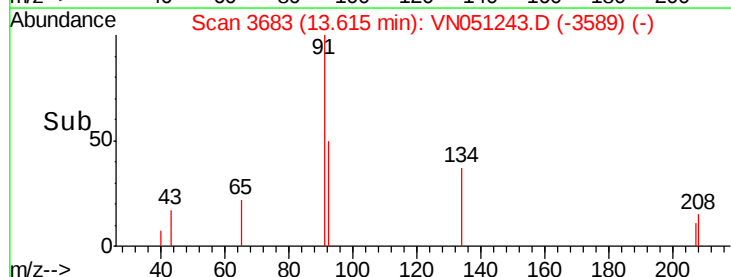
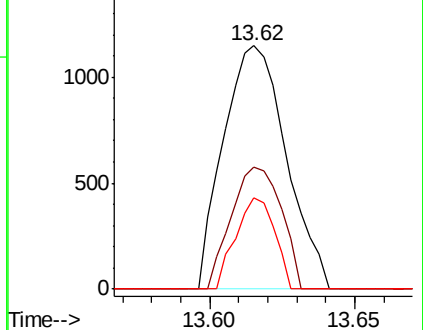
134 22.9 13.7 41.1

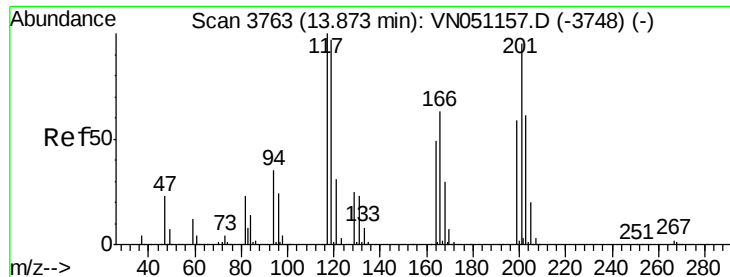


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3765

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

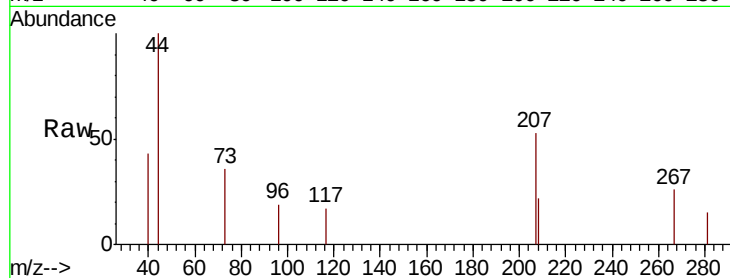
ClientSampled :

Tot Ion:117 Resp: 93

Ion Ratio Lower Upper

117 100

201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

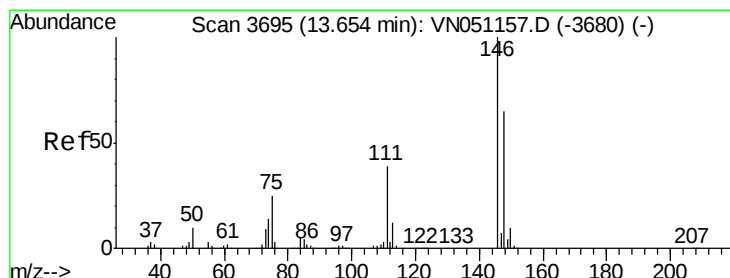
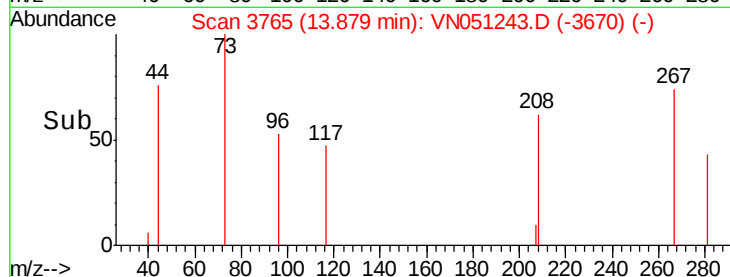
150

100

50

0

Time--> 13.86 13.87 13.88 13.89



#91

1,2-Dichlorobenzene

Concen: 0.45 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

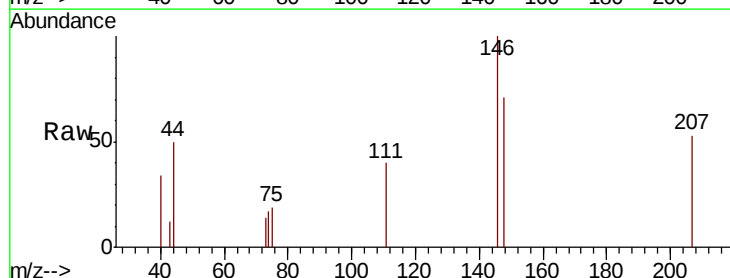
Tgt Ion:146 Resp: 2130

Ion Ratio Lower Upper

146 100

111 35.2 19.7 59.0

148 67.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

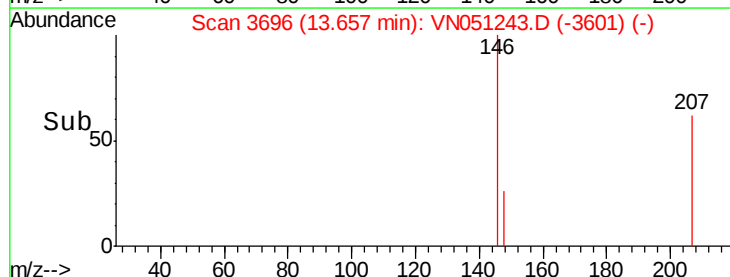
1500

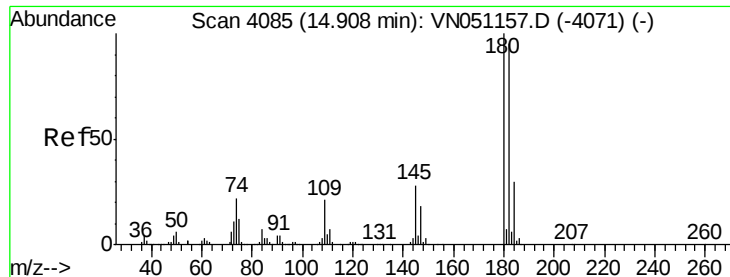
1000

500

0

Time--> 13.65 13.66 13.67

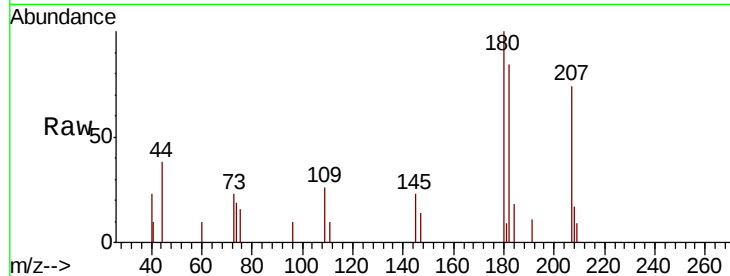




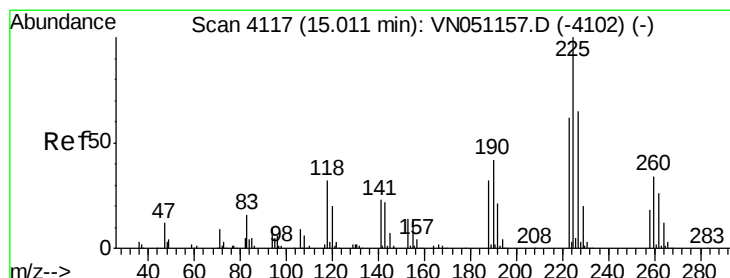
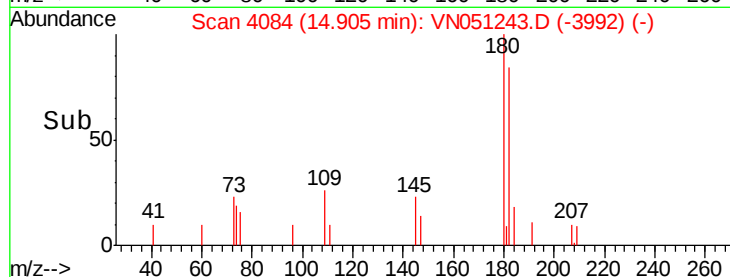
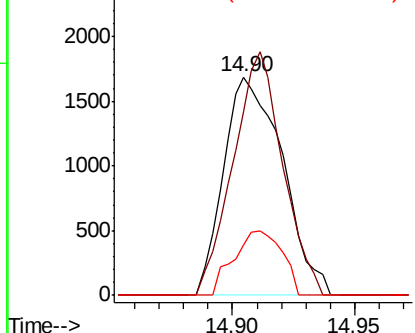
#93
 1,2,4-Trichlorobenzene
 Concen: 5.13 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2824
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.3 141.8
 145 24.2 14.2 42.6

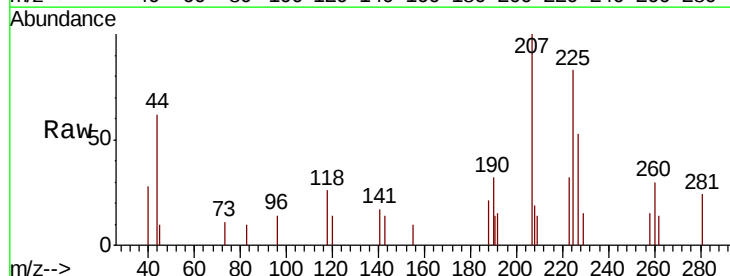


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

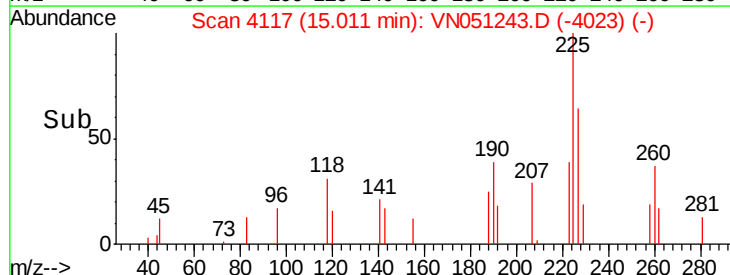
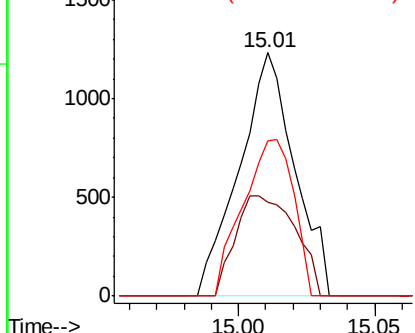


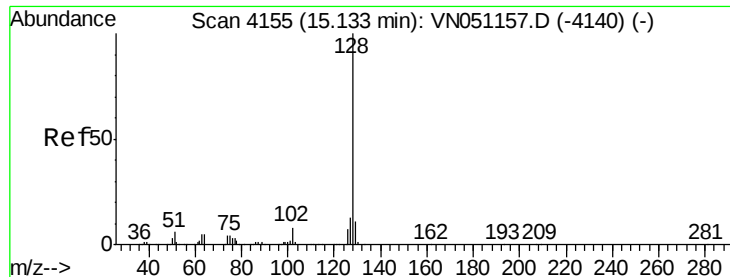
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051243.D
 Acq: 16 Sep 2018 00:30

Tgt Ion:225 Resp: 1730
 Ion Ratio Lower Upper
 225 100
 223 44.9 31.4 94.0
 227 59.1 32.1 96.3



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





#95

Naphthalene

Concen: 6.49 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

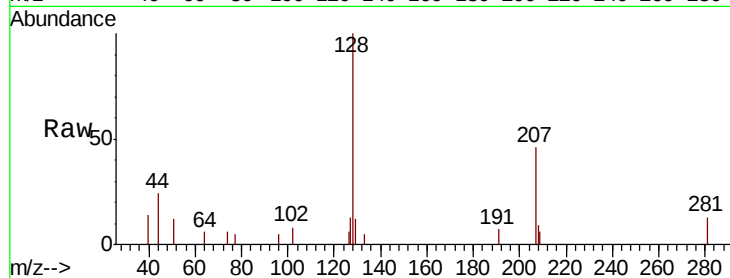
Tot Ion:128 Resp: 6108

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

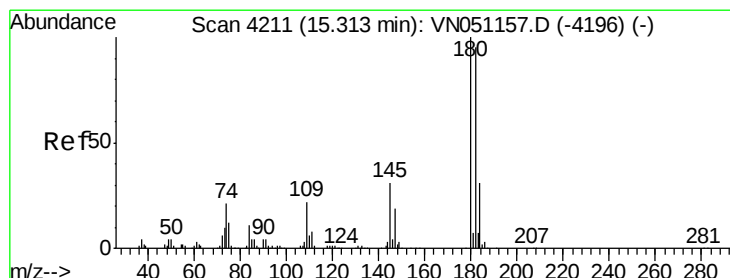
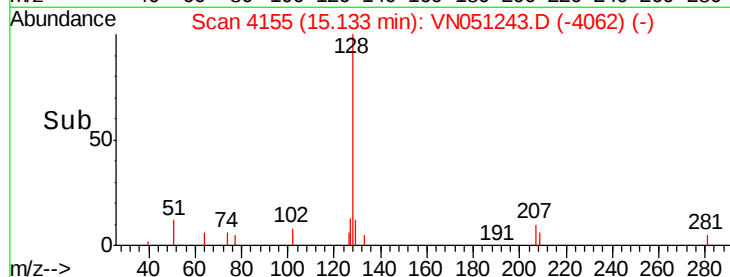
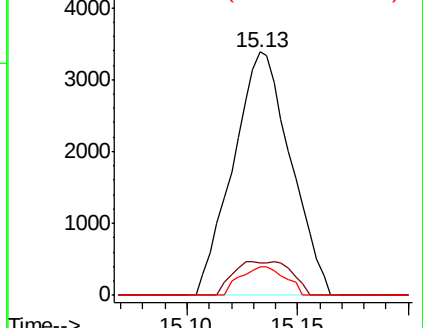
129 9.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.33 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN051243.D

Acq: 16 Sep 2018 00:30

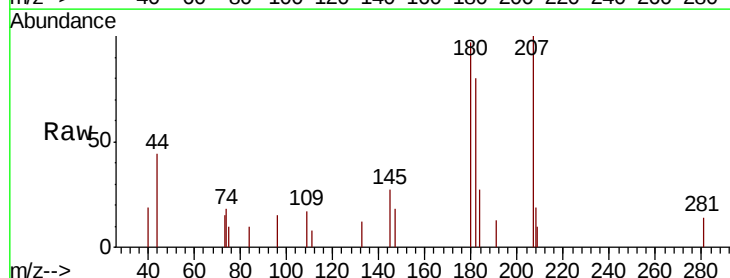
Tgt Ion:180 Resp: 3183

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

145 27.8 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

