

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057635.D
 Acq On : 1 Sep 2019 11:24
 Operator : JC/SP
 Sample : VN0902WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

Quant Time: Sep 02 01:50:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	175438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	296833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	255695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	87825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	211267	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	7.58	113	127873	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	495848	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	151557	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	

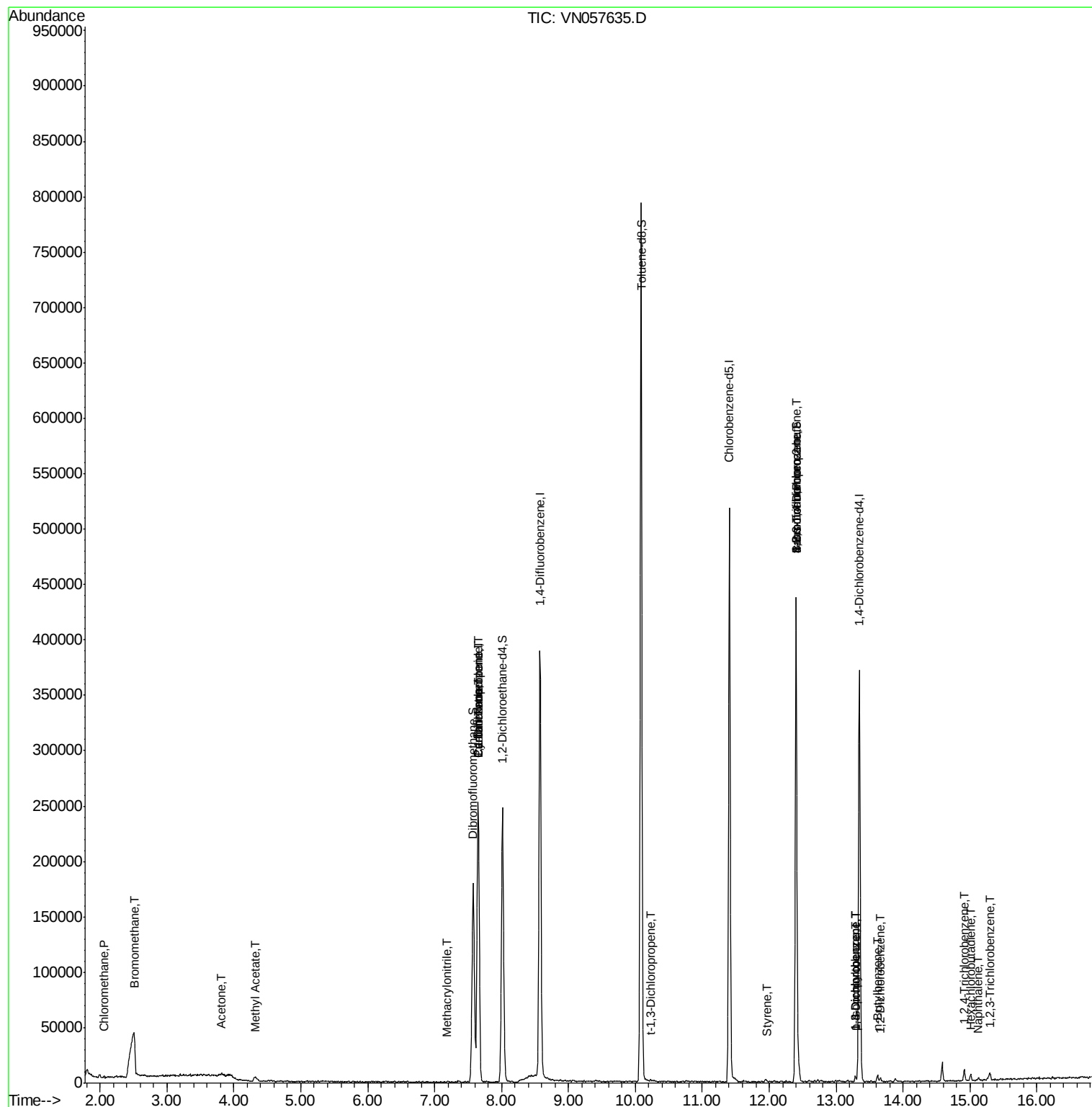
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	901	0.279	ug/l #	38
5) Bromomethane	2.51	94	1362	0.850	ug/l	84
16) Acetone	3.82	43	465	0.419	ug/l #	50
18) Methyl Acetate	4.32	43	8139	2.134	ug/l #	90
31) Cyclohexane	7.65	56	6030	1.148	ug/l #	19
36) 1,1-Dichloropropene	7.65	75	17711	4.500	ug/l #	51
38) Carbon Tetrachloride	7.65	117	19777	5.614	ug/l #	15
41) Methacrylonitrile	7.18	41	134	2.344	ug/l #	44
53) t-1,3-Dichloropropene	10.24	75	68	3.235	ug/l #	45
70) Styrene	11.97	104	102	2.596	ug/l #	62
71) Bromoform	12.40	173	1031	6.763	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	89492	38.738	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	89492	132.786	ug/l #	1
86) p-Isopropyltoluene	13.29	119	1593	0.231	ug/l #	80
87) 1,3-Dichlorobenzene	13.28	146	1513	0.492	ug/l	83
88) 1,4-Dichlorobenzene	13.28	146	1513	0.509	ug/l	82
89) n-Butylbenzene	13.62	91	3752	0.581	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	1449	0.494	ug/l #	62
93) 1,2,4-Trichlorobenzene	14.92	180	1619	9.356	ug/l #	14
94) Hexachlorobutadiene	15.01	225	1187	1.179	ug/l	94
95) Naphthalene	15.13	128	2286	7.424	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.29	180	1846	8.988	ug/l	87

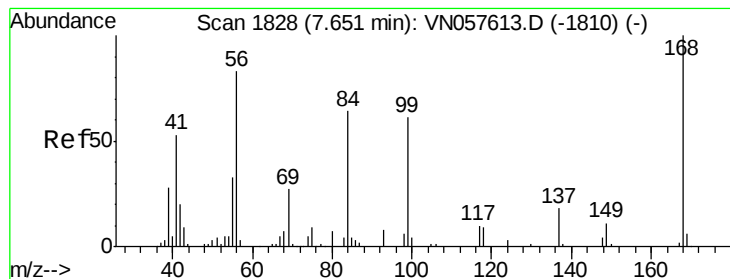
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
Data File : VN057635.D
Acq On : 1 Sep 2019 11:24
Operator : JC/SP
Sample : VN0902WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

Quant Time: Sep 02 01:50:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

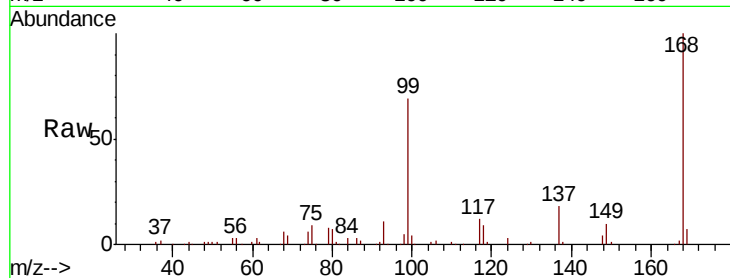
VN0902WBL01

Tgt Ion:168 Resp: 175438

Ion Ratio Lower Upper

168 100

99 69.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

80000

60000

40000

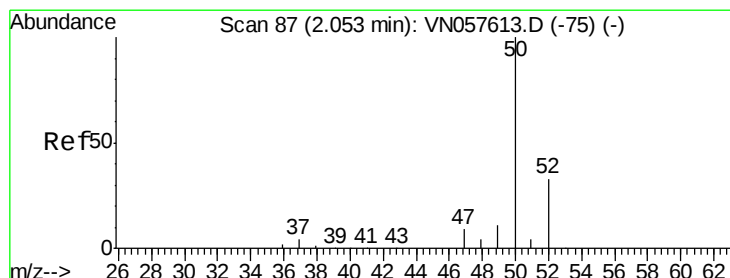
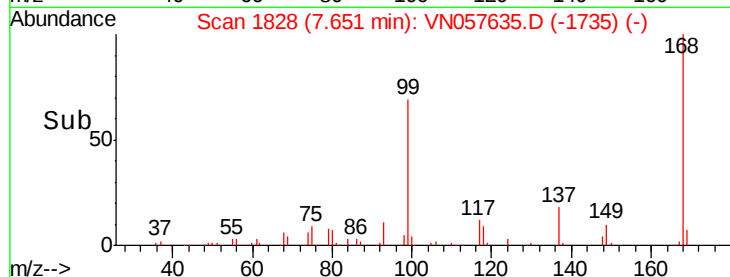
20000

0

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.279 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057635.D

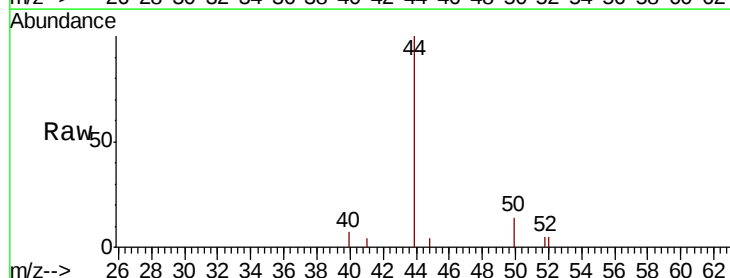
Acq: 1 Sep 2019 11:24

Tgt Ion: 50 Resp: 901

Ion Ratio Lower Upper

50 100

52 68.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

600

400

200

0

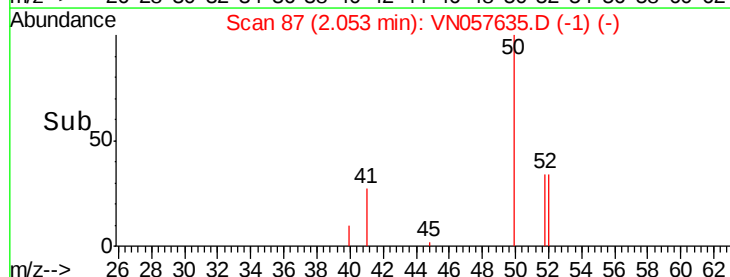
2.02

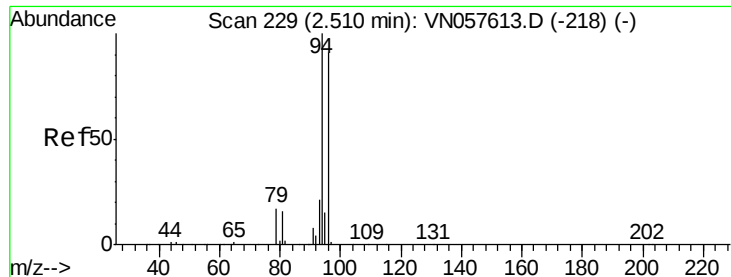
2.04

2.06

2.08

Time-->





#5

Bromomethane

Concen: 0.850 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampled :

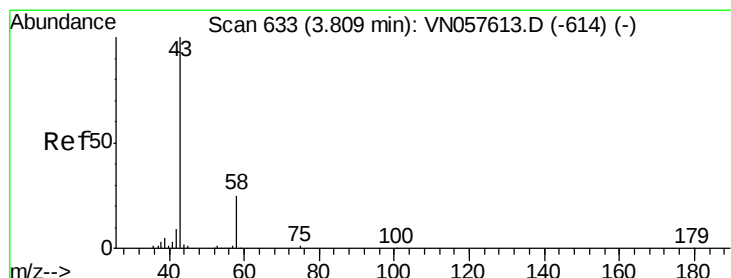
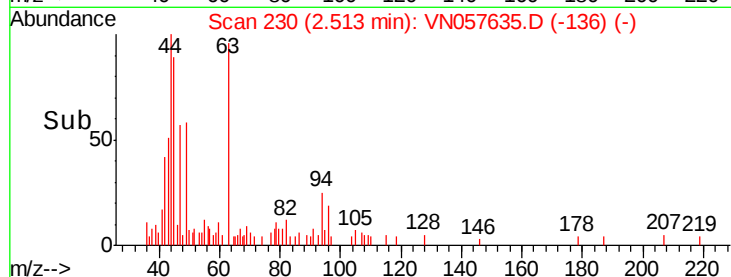
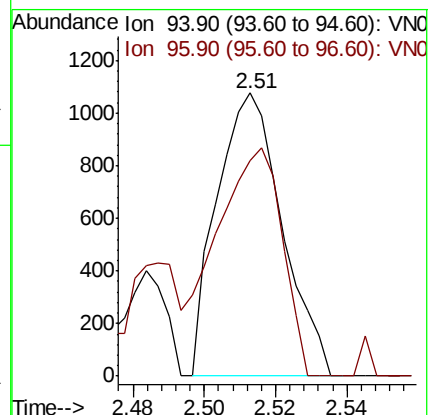
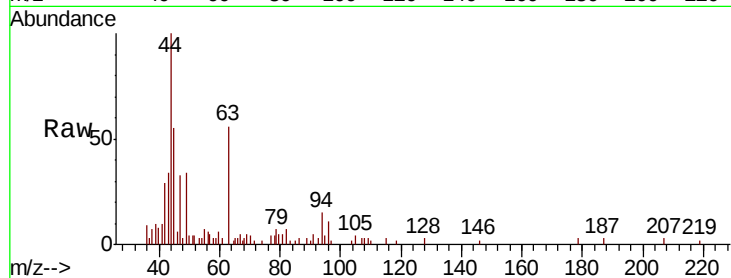
VN0902WBL01

Tgt Ion: 94 Resp: 1362

Ion Ratio Lower Upper

94 100

96 76.1 72.9 109.3



#16

Acetone

Concen: 0.419 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN057635.D

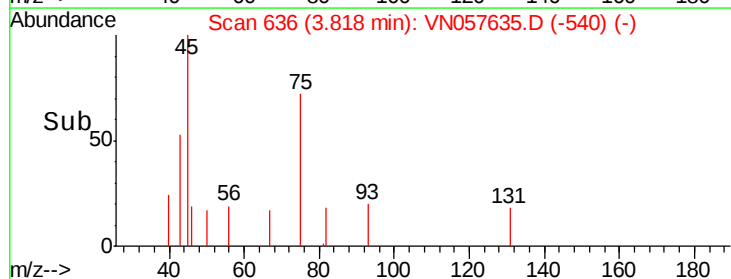
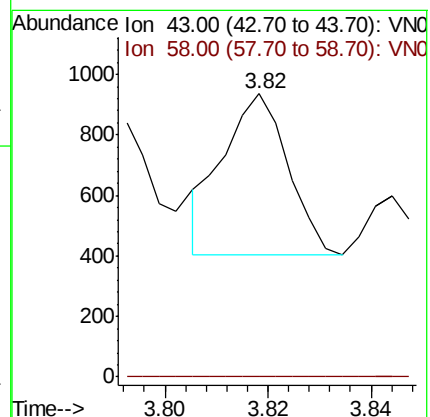
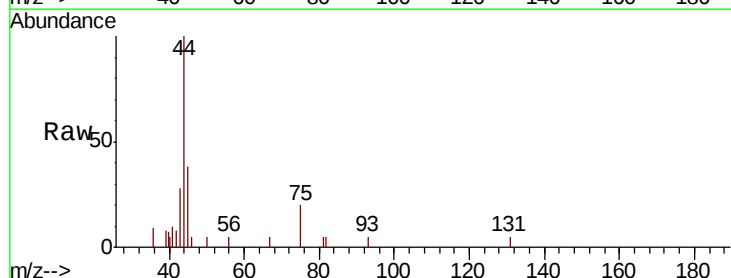
Acq: 1 Sep 2019 11:24

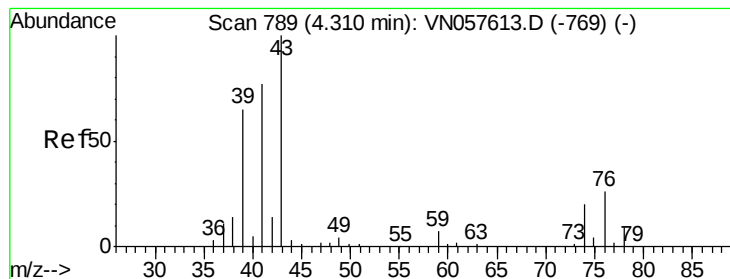
Tgt Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

58 0.0 20.0 30.0#





#18

Methyl Acetate

Concen: 2.134 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

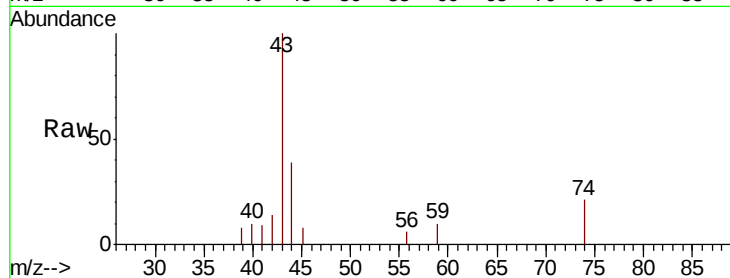
VN0902WBL01

Tgt Ion: 43 Resp: 8139

Ion Ratio Lower Upper

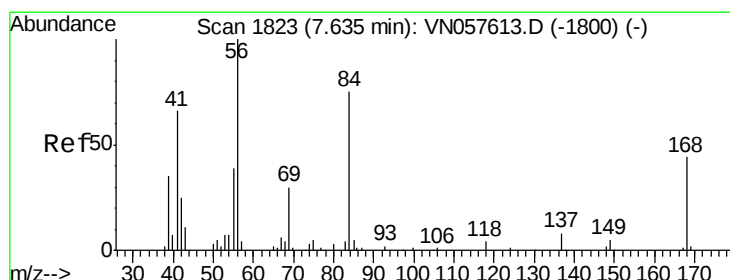
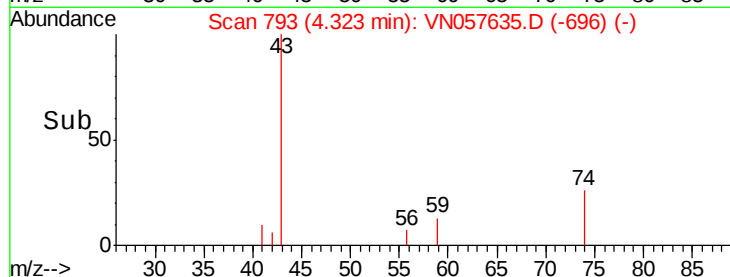
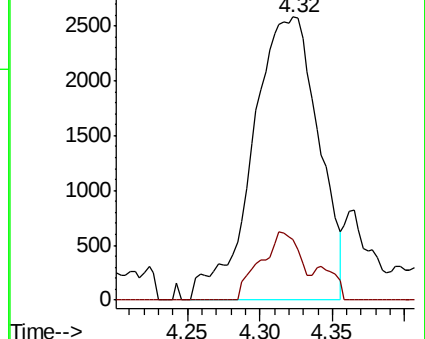
43 100

74 14.9 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

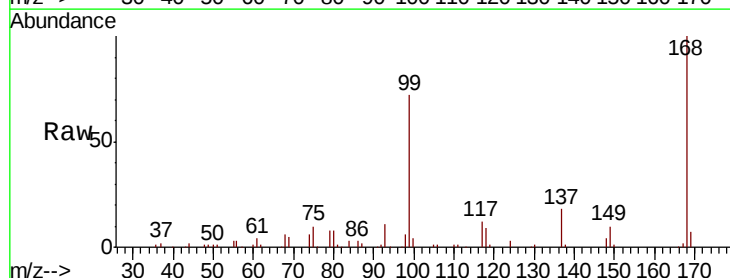
Tgt Ion: 56 Resp: 6030

Ion Ratio Lower Upper

56 100

69 139.9 24.4 36.6#

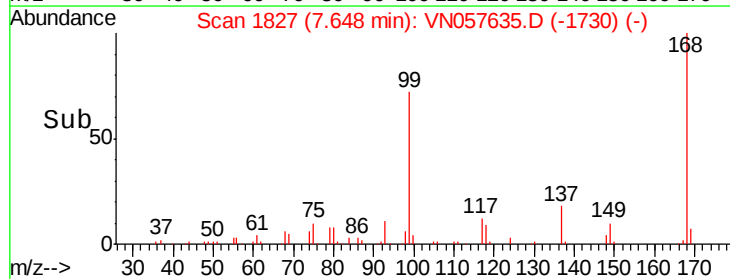
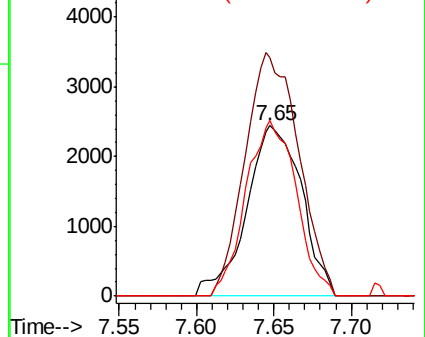
84 102.9 59.9 89.9#

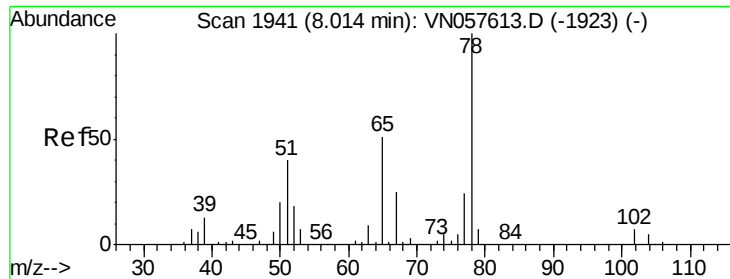


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

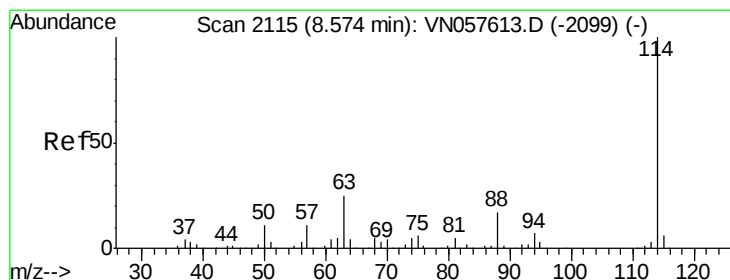
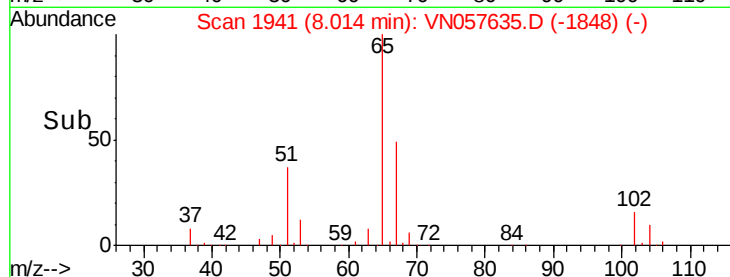
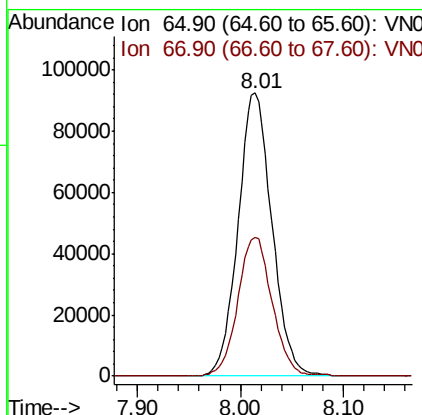
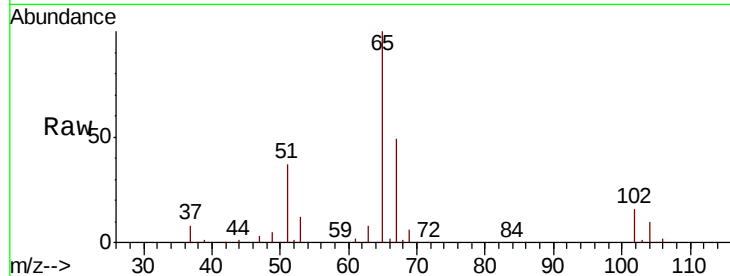




#33
 1,2-Dichloroethane-d4
 Concen: 53.308 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

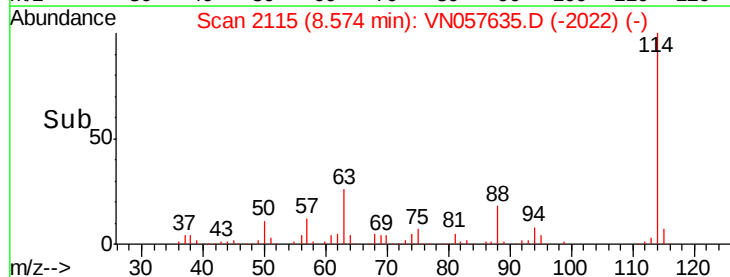
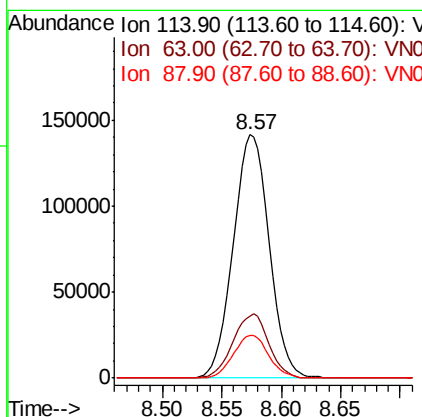
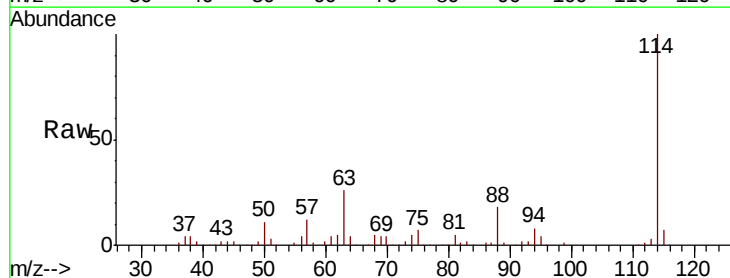
Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBL01

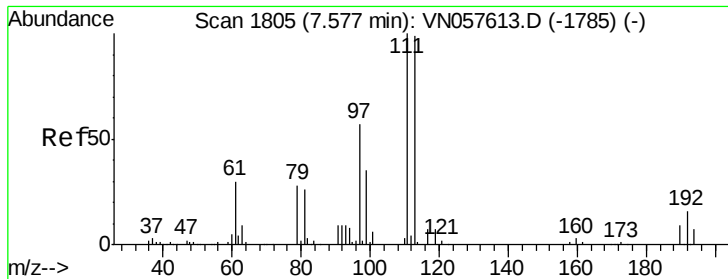
Tgt Ion: 65 Resp: 211267
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

Tgt Ion: 114 Resp: 296833
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.0
 88 17.7 0.0 33.0

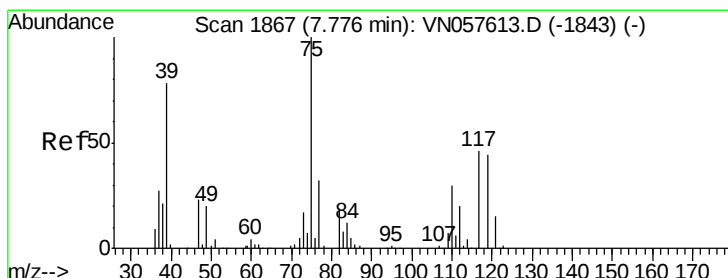
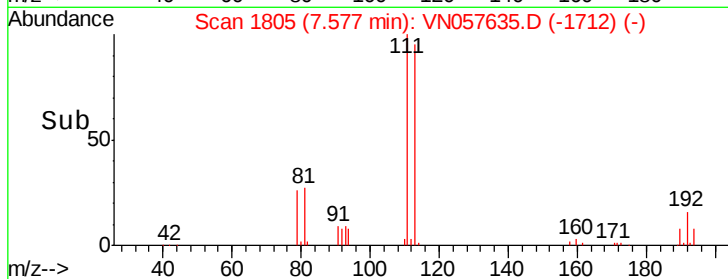
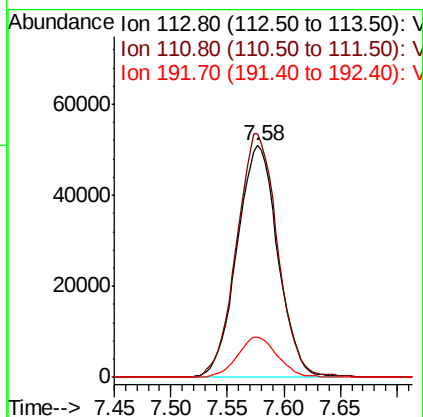
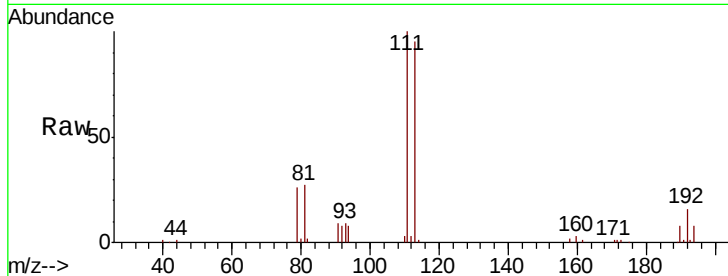




#35
 Dibromofluoromethane
 Concen: 49.330 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

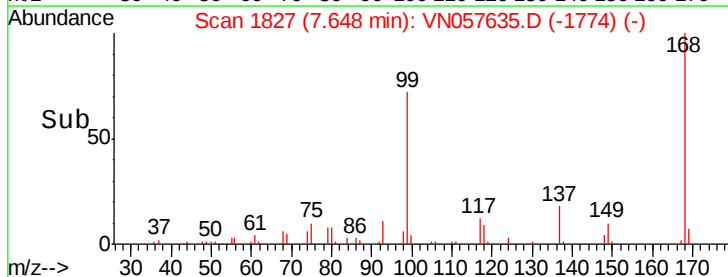
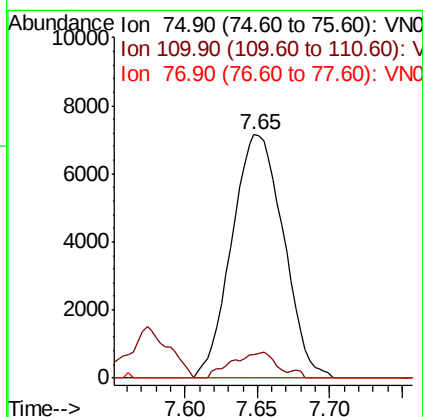
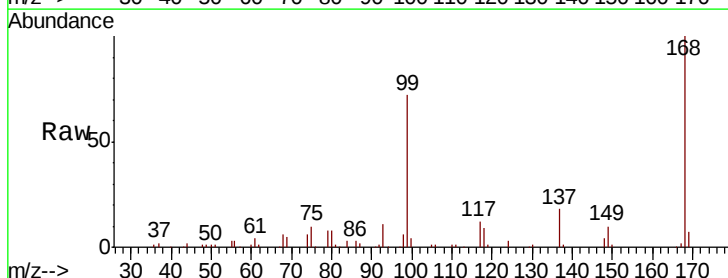
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

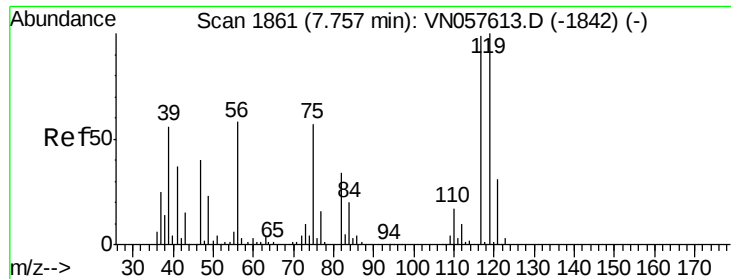
Tgt Ion: 113 Resp: 127873
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.3 121.9
 192 16.9 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 4.500 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

Tgt Ion: 75 Resp: 17711
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.614 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

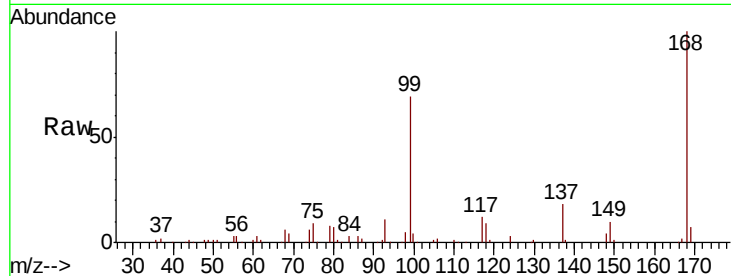
Tgt Ion:117 Resp: 19777

Ion Ratio Lower Upper

117 100

119 6.5 80.6 120.8#

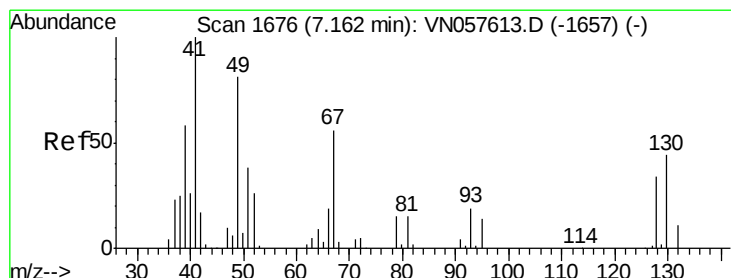
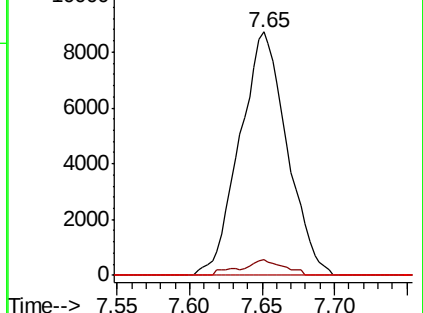
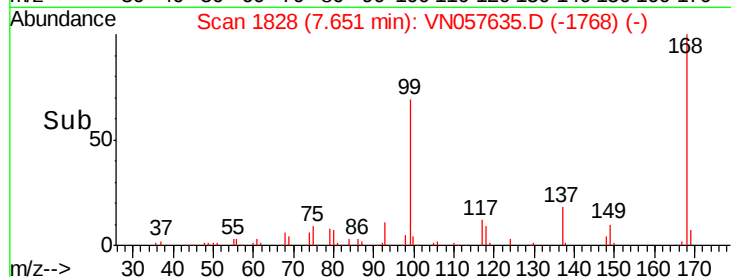
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.344 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Tgt Ion: 41 Resp: 134

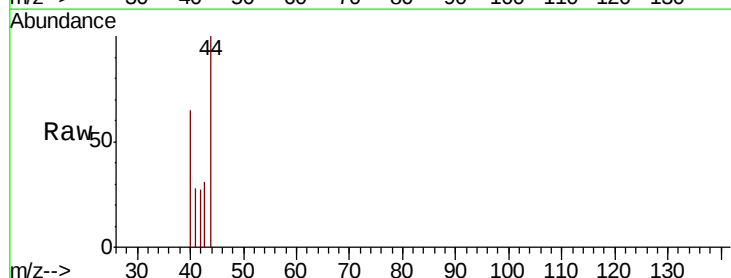
Ion Ratio Lower Upper

41 100

39 78.4 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

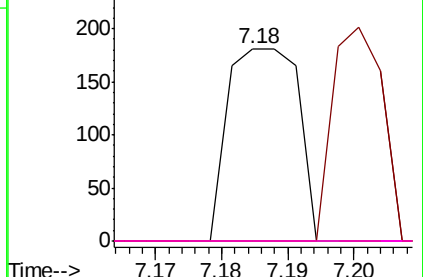
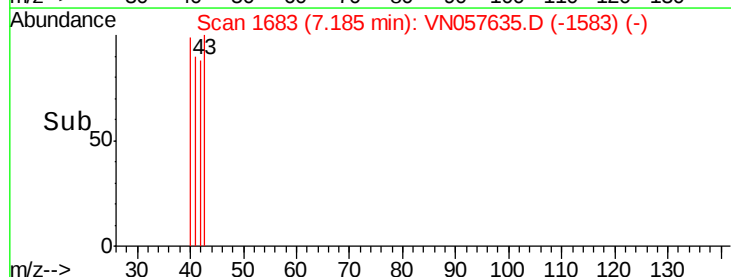


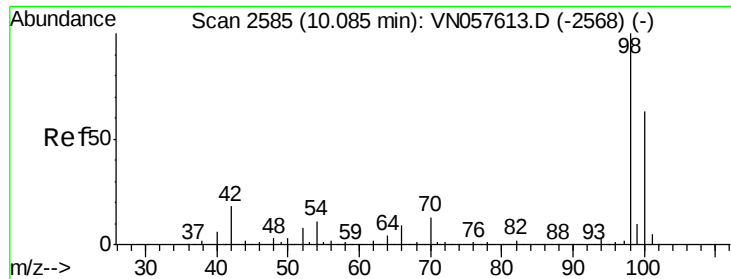
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#50

Toluene-d8

Concen: 49.824 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampled :

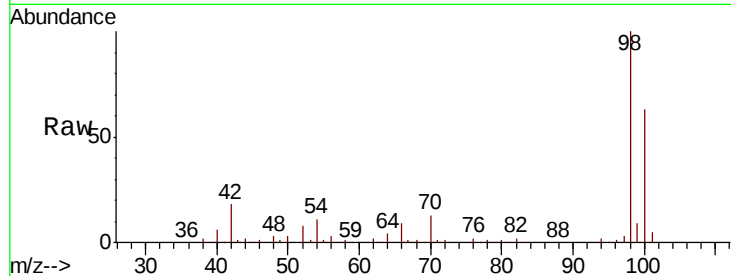
VN0902WBL01

Tgt Ion: 98 Resp: 495848

Ion Ratio Lower Upper

98 100

100 63.2 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

300000

250000

200000

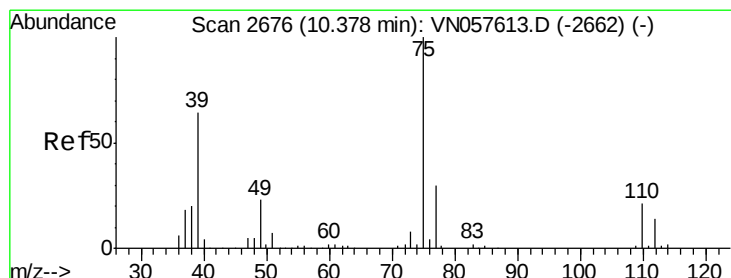
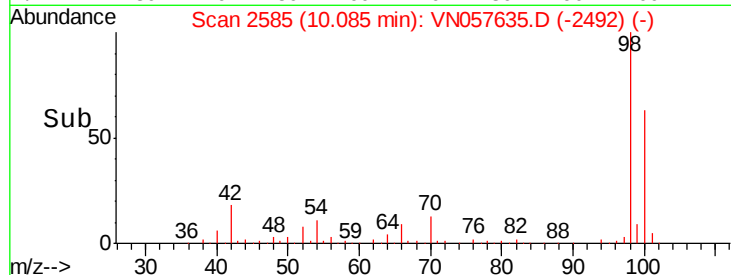
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 3.235 ug/l

RT: 10.24 min Scan# 2634

Delta R.T. -0.13 min

Lab File: VN057635.D

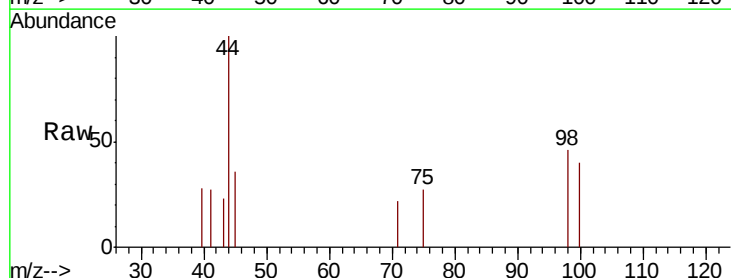
Acq: 1 Sep 2019 11:24

Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.24

200

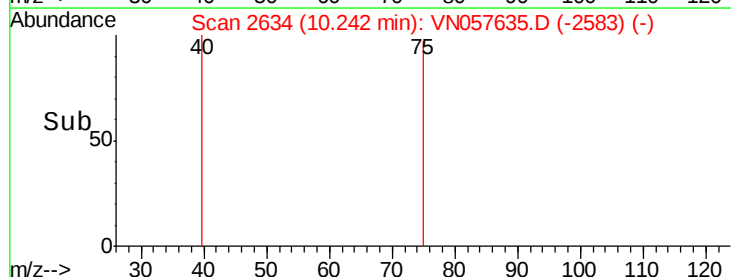
150

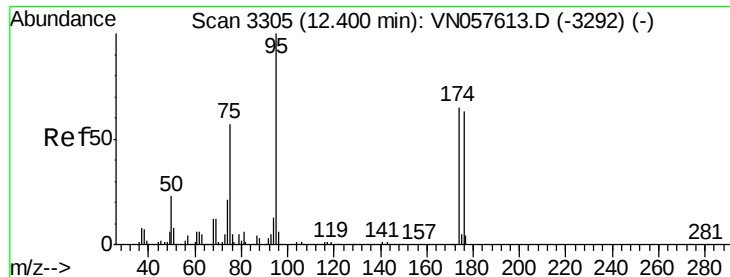
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 40.048 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

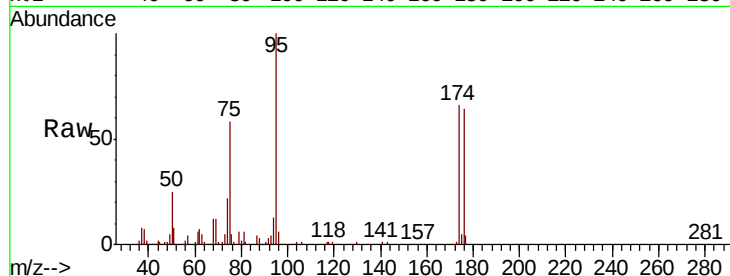
Tgt Ion: 95 Resp: 151557

Ion Ratio Lower Upper

95 100

174 68.2 0.0 134.8

176 65.2 0.0 131.6



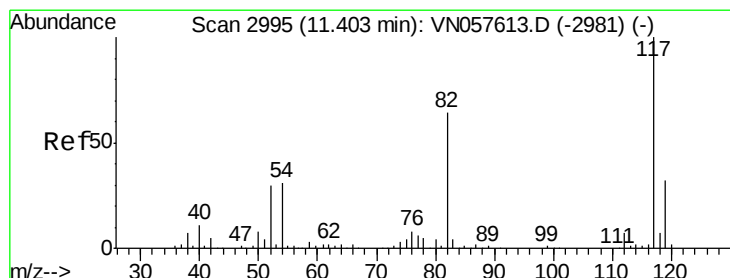
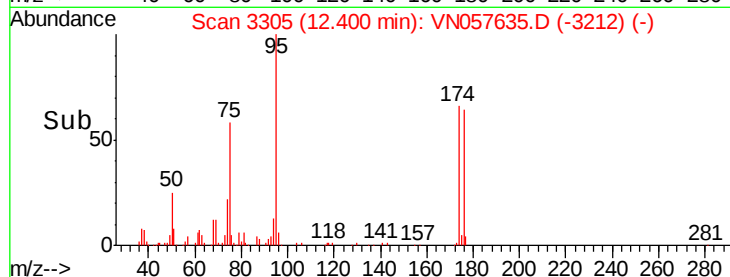
Abundance Ion 94.90 (94.60 to 95.60): VN057613.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN057613.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN057613.D (-3292) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

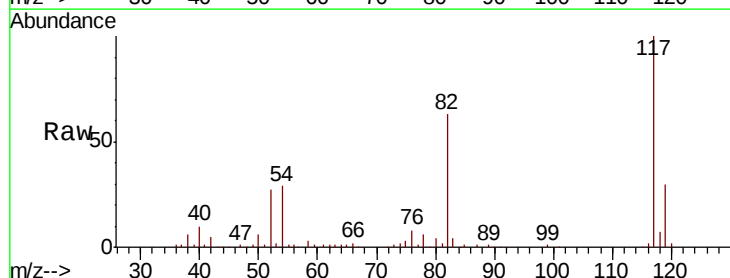
Tgt Ion: 117 Resp: 255695

Ion Ratio Lower Upper

117 100

82 63.2 51.6 77.4

119 30.3 25.8 38.6



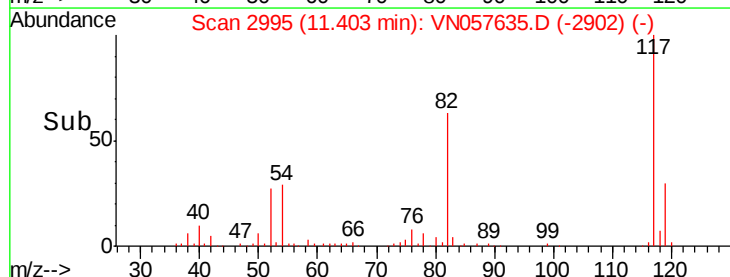
Abundance Ion 116.90 (116.60 to 117.60): VN057613.D (-2981) (-)

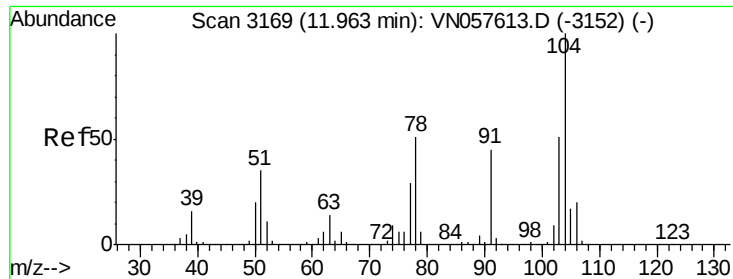
Ion 82.00 (81.70 to 82.70): VN057613.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057613.D (-2981) (-)

11.40

Time-->

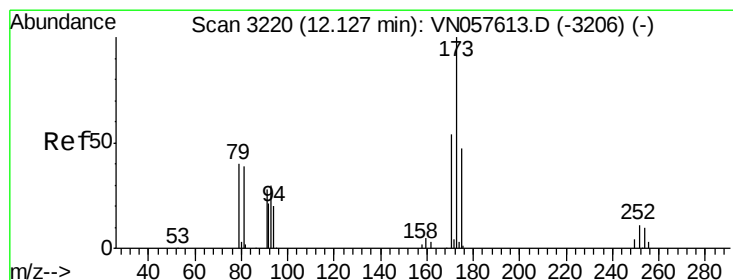
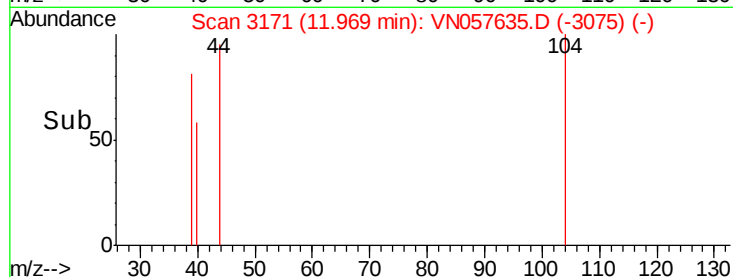
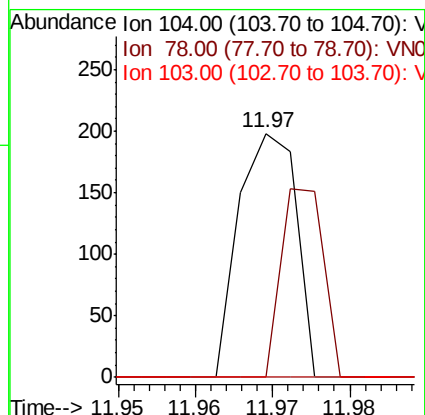
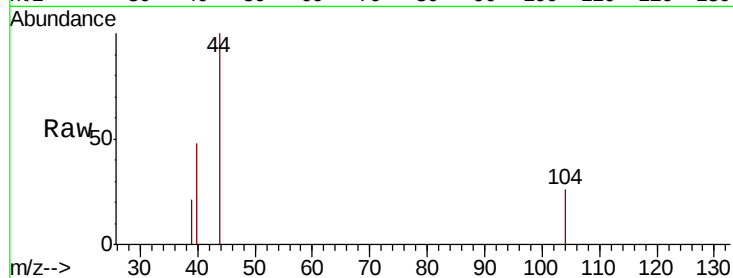




#70
Styrene
Concen: 2.596 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

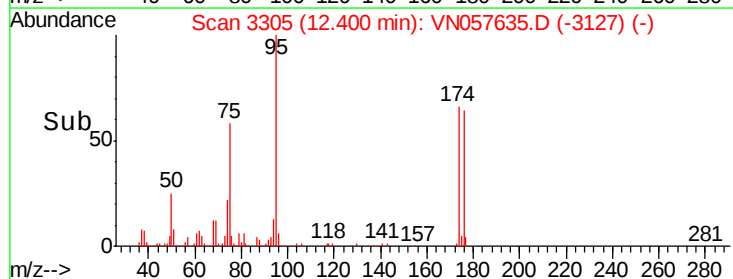
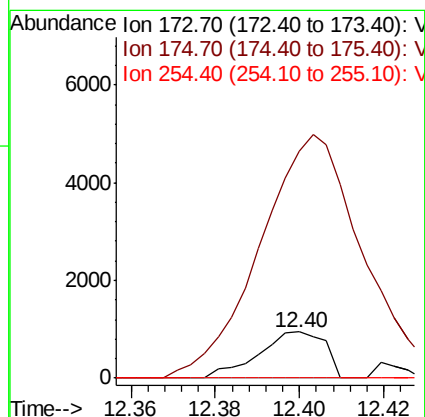
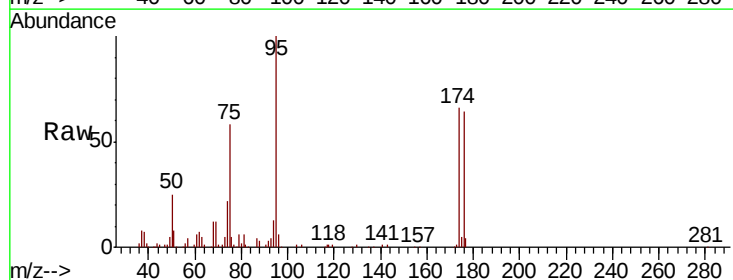
Instrument :
MSVOA_N
ClientSampled :
VN0902WBL01

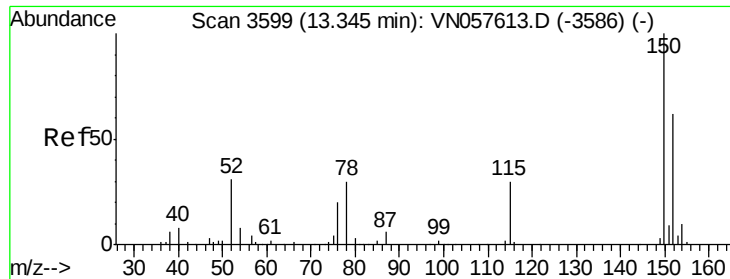
Tgt Ion:104 Resp: 102
Ion Ratio Lower Upper
104 100
78 57.8 46.6 70.0
103 0.0 44.7 67.1#



#71
Bromoform
Concen: 6.763 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

Tgt Ion:173 Resp: 1031
Ion Ratio Lower Upper
173 100
175 682.8 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

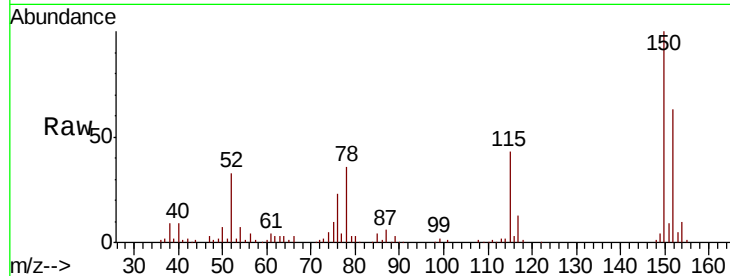
Tgt Ion:152 Resp: 87825

Ion Ratio Lower Upper

152 100

115 68.0 33.2 99.6

150 160.2 0.0 365.2

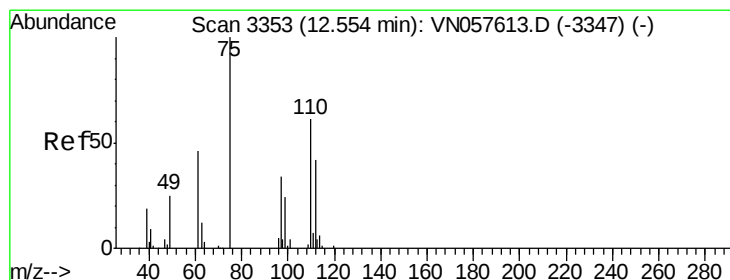
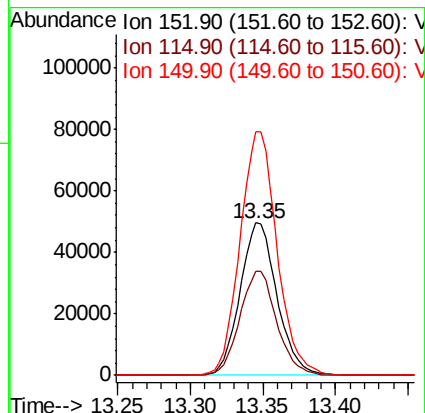
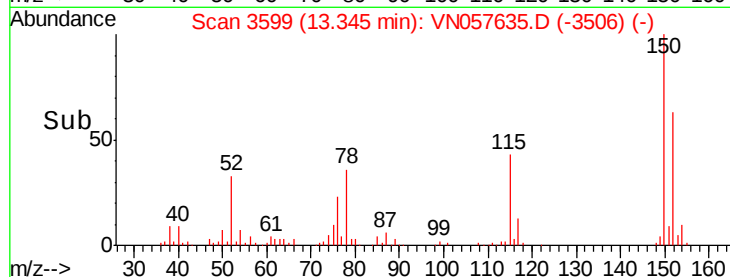


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 38.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057635.D

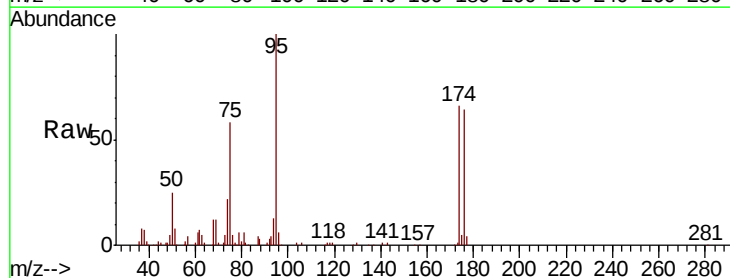
Acq: 1 Sep 2019 11:24

Tgt Ion: 75 Resp: 89492

Ion Ratio Lower Upper

75 100

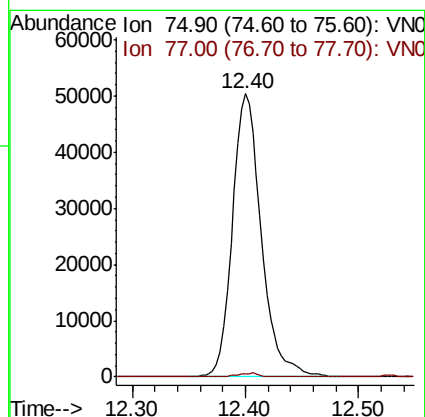
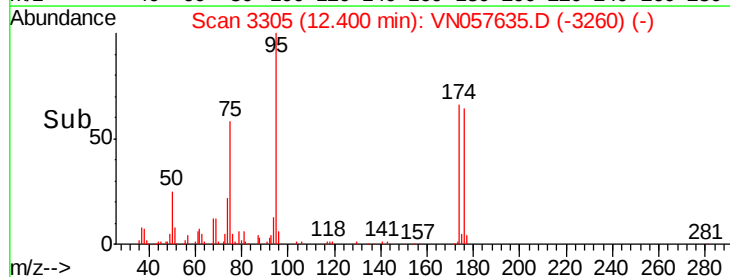
77 1.1 0.0 0.0#

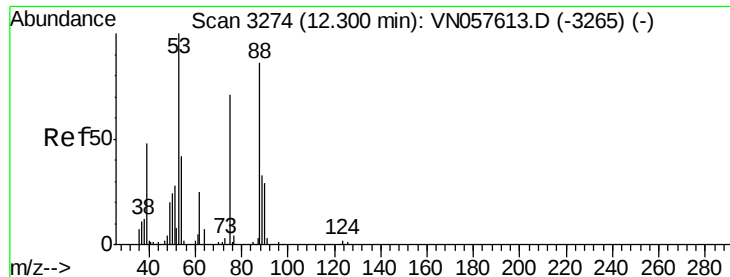


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 132.786 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

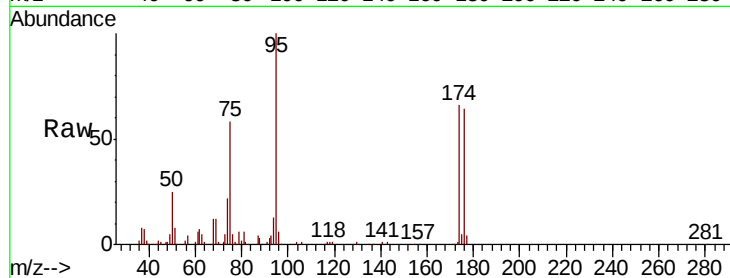
Tgt Ion: 75 Resp: 89492

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

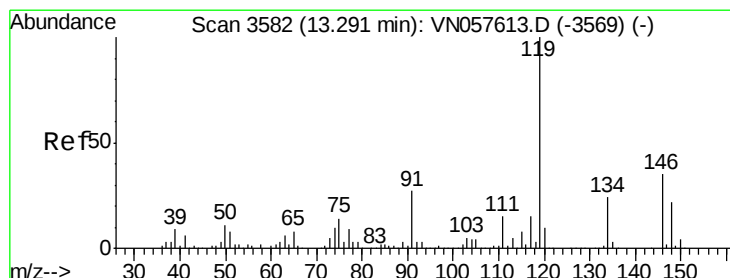
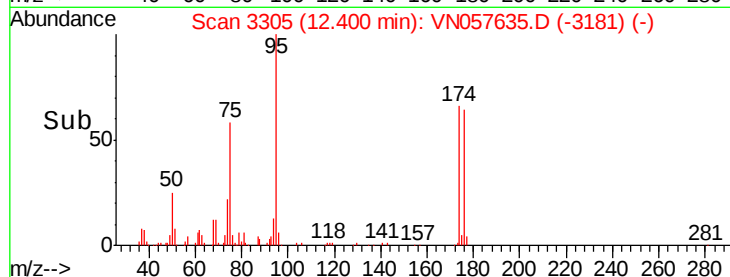
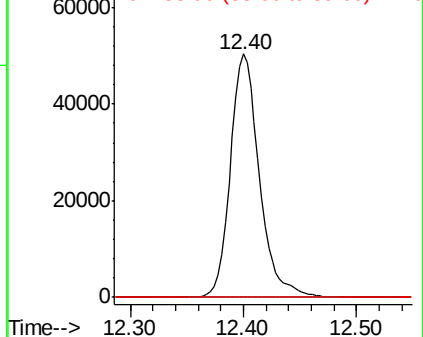
89 0.0 38.3 57.5#



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



#86

p-Isopropyltoluene

Concen: 0.231 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057635.D

Acq: 1 Sep 2019 11:24

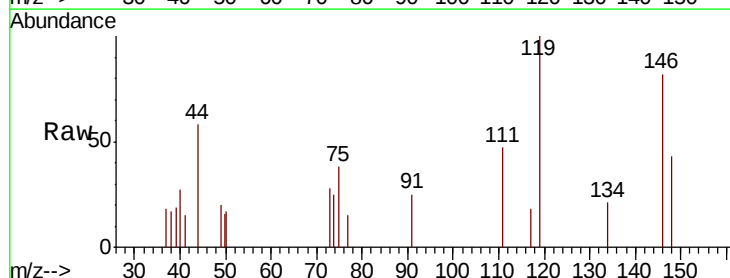
Tgt Ion: 119 Resp: 1593

Ion Ratio Lower Upper

119 100

134 9.5 11.9 35.5#

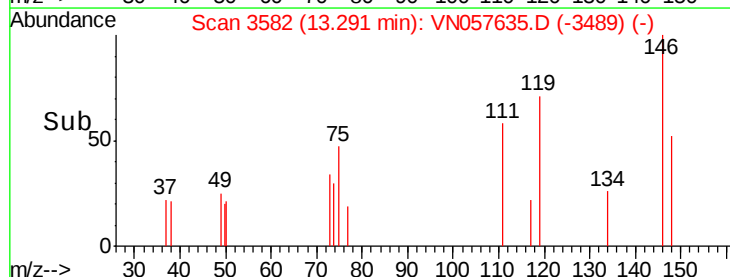
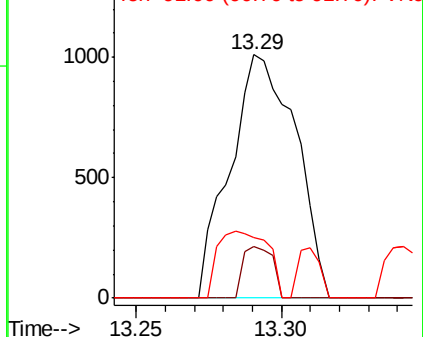
91 20.8 13.7 41.0

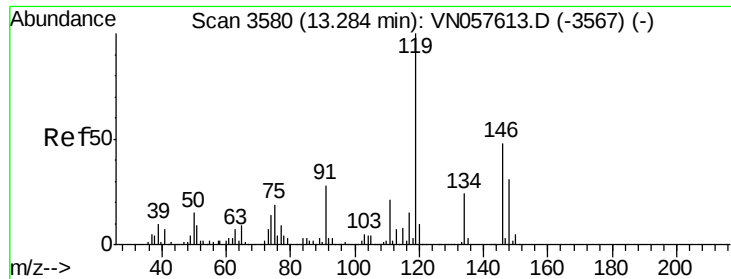


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VN0

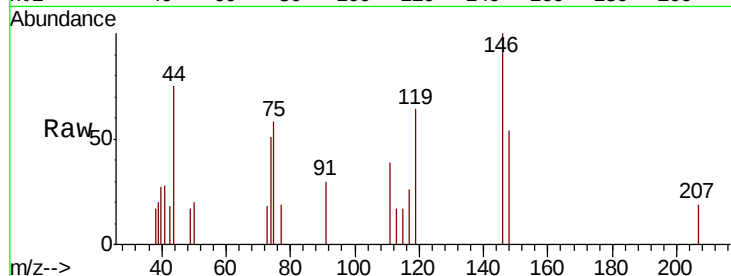




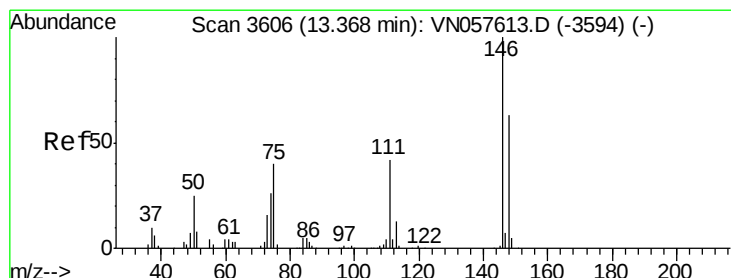
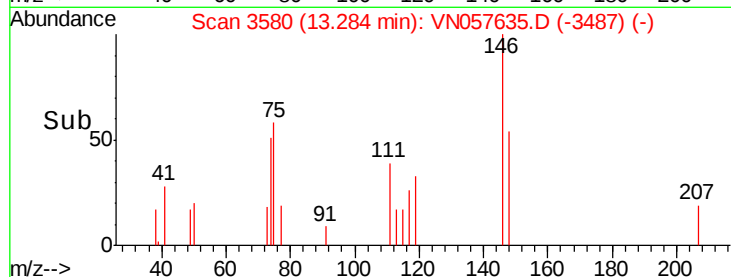
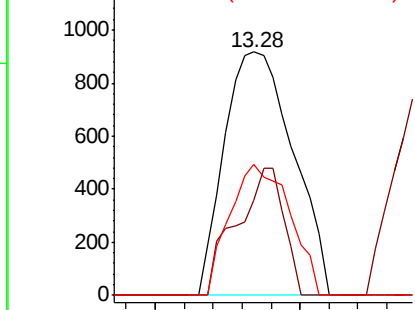
#87
 1,3-Dichlorobenzene
 Concen: 0.492 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

Tgt Ion:146 Resp: 1513
 Ion Ratio Lower Upper
 146 100
 111 35.9 21.8 65.3
 148 46.9 31.4 94.2

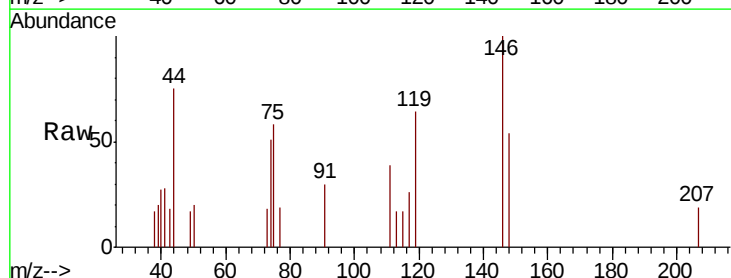


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

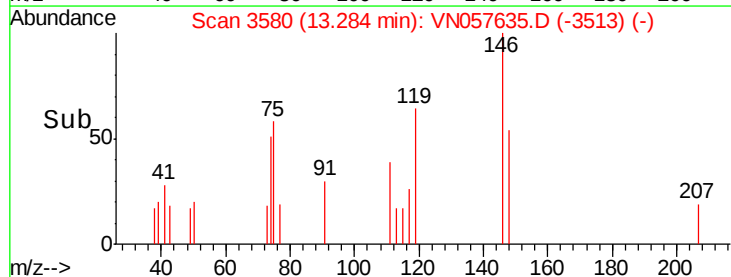
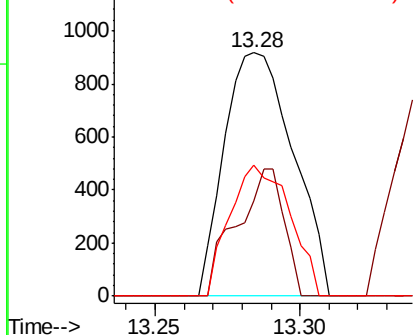


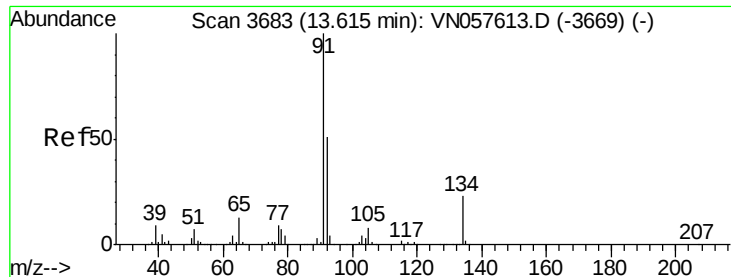
#88
 1,4-Dichlorobenzene
 Concen: 0.509 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

Tgt Ion:146 Resp: 1513
 Ion Ratio Lower Upper
 146 100
 111 35.9 21.6 65.0
 148 46.9 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

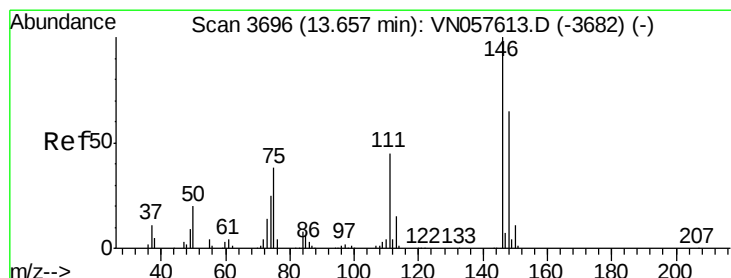
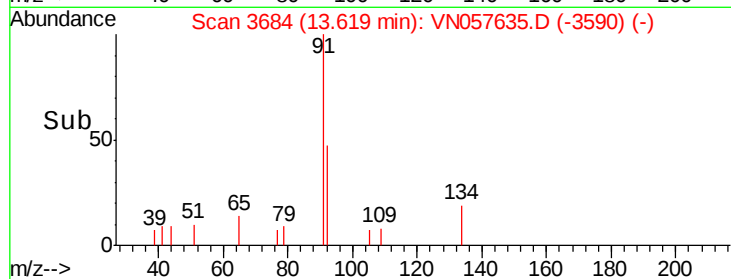
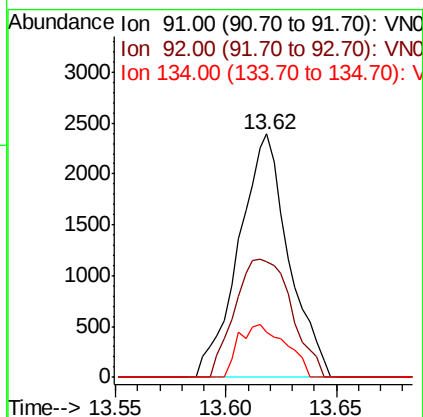
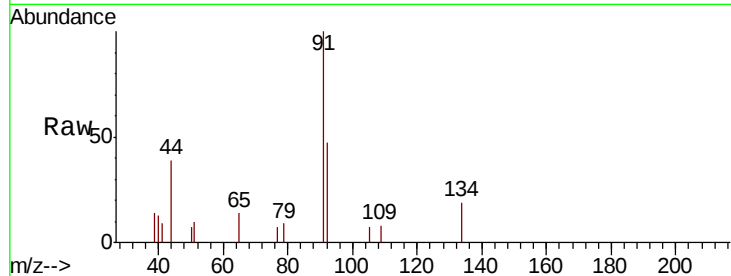




#89
n-Butylbenzene
Concen: 0.581 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

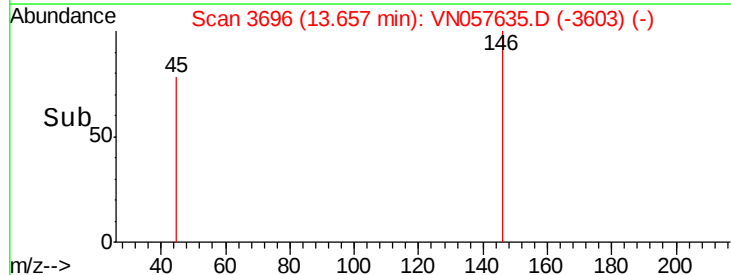
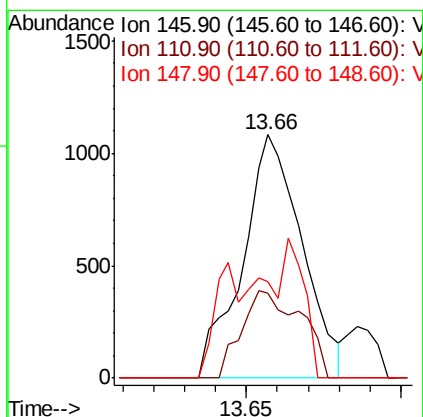
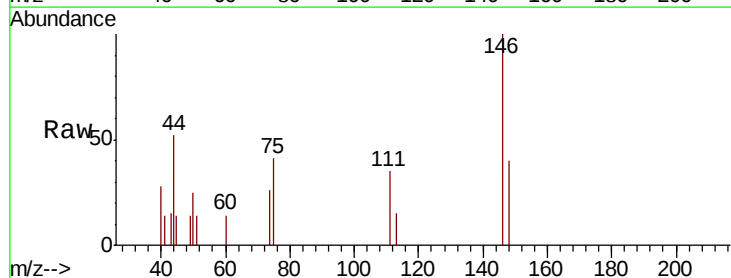
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

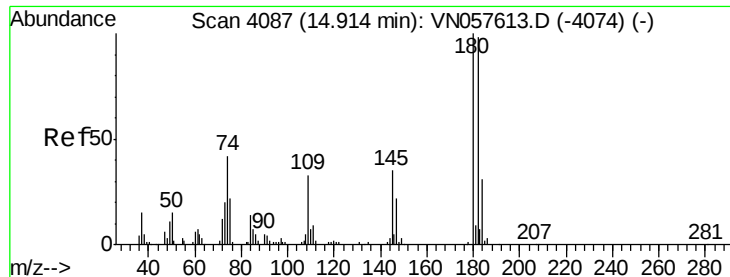
Tgt Ion: 91 Resp: 3752
Ion Ratio Lower Upper
91 100
92 55.3 25.4 76.0
134 20.7 11.0 33.0



#91
1,2-Dichlorobenzene
Concen: 0.494 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

Tgt Ion: 146 Resp: 1449
Ion Ratio Lower Upper
146 100
111 36.0 22.1 66.5
148 19.9 31.6 94.7#

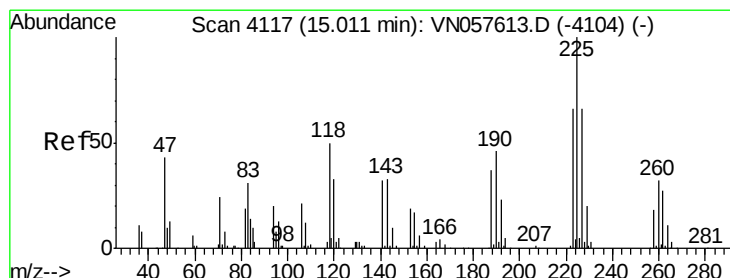
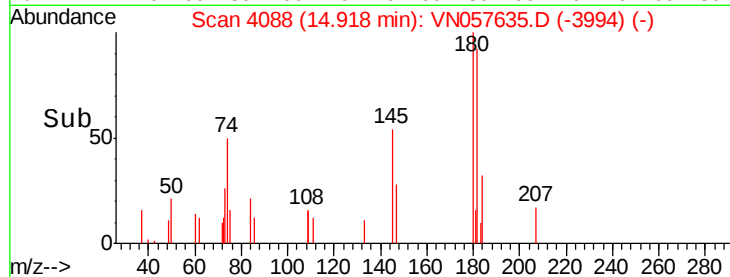
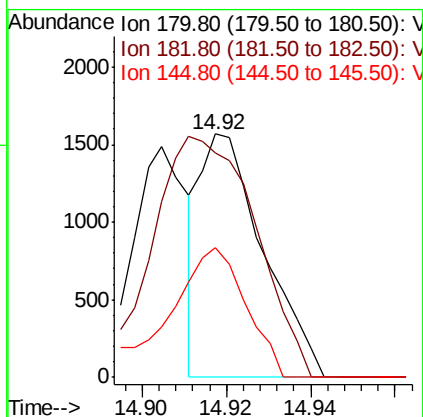
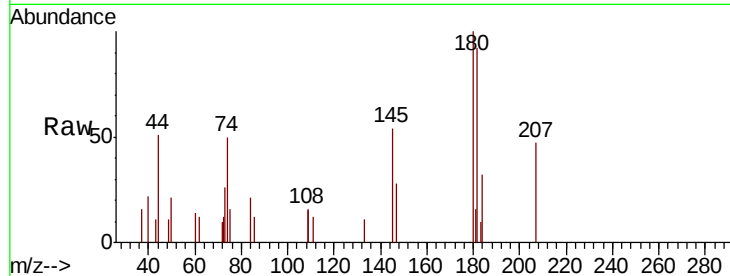




#93
 1,2,4-Trichlorobenzene
 Concen: 9.356 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

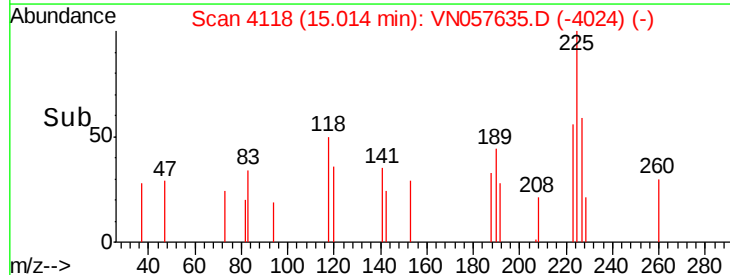
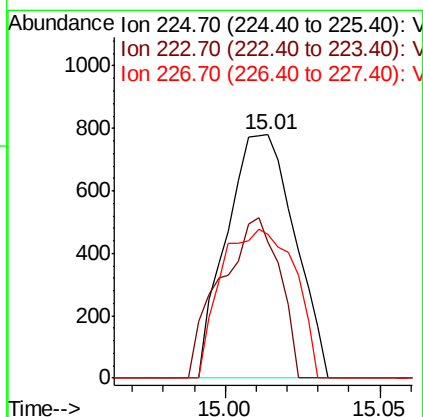
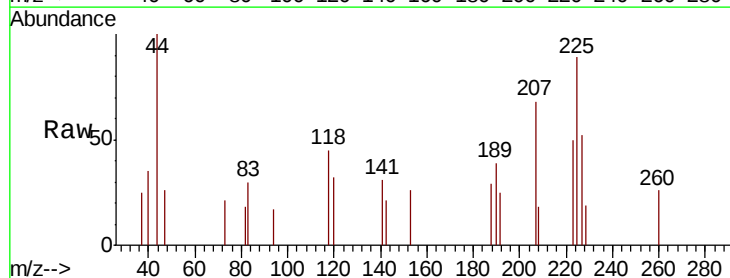
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

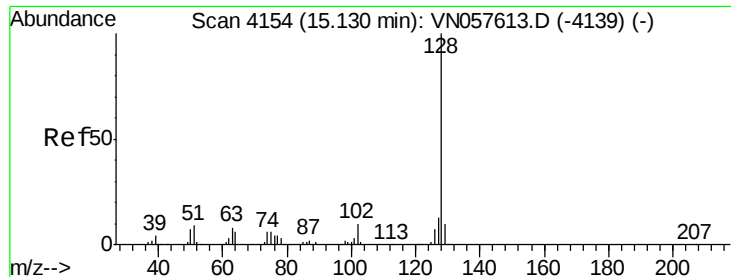
Tgt Ion:180 Resp: 1619
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 64.3 16.9 50.7#



#94
 Hexachlorobutadiene
 Concen: 1.179 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057635.D
 Acq: 1 Sep 2019 11:24

Tgt Ion:225 Resp: 1187
 Ion Ratio Lower Upper
 225 100
 223 57.3 32.3 96.8
 227 66.3 32.4 97.2

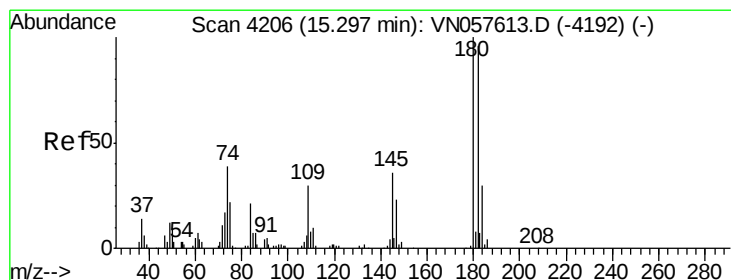
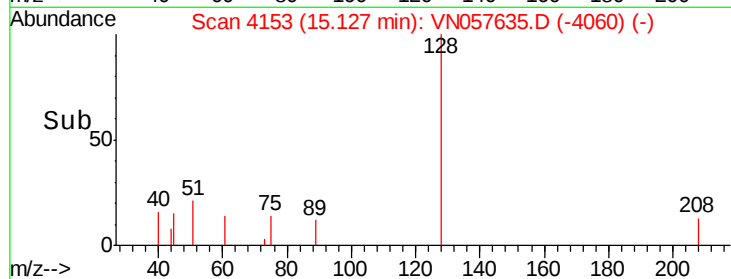
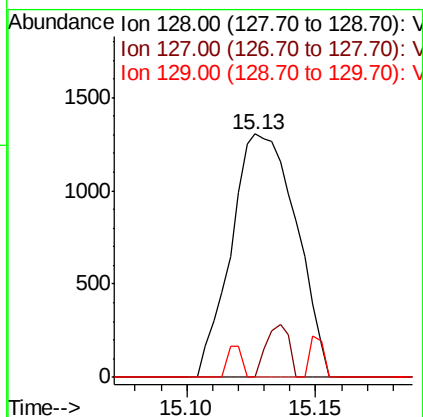
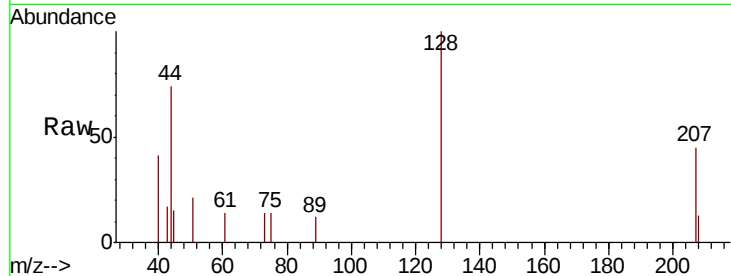




#95
Naphthalene
Concen: 7.424 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

Tgt Ion:128 Resp: 2286
Ion Ratio Lower Upper
128 100
127 7.7 10.2 15.2#
129 2.8 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 8.988 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057635.D
Acq: 1 Sep 2019 11:24

Tgt Ion:180 Resp: 1846
Ion Ratio Lower Upper
180 100
182 105.7 46.3 138.9
145 42.4 17.8 53.3

