

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057816.D
 Acq On : 9 Sep 2019 21:19
 Operator : JC/SP
 Sample : K4781-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 07:11:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	305526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	511668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	328431	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	7.58	113	230365	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.09	98	929514	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	294889	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	

Target Compounds

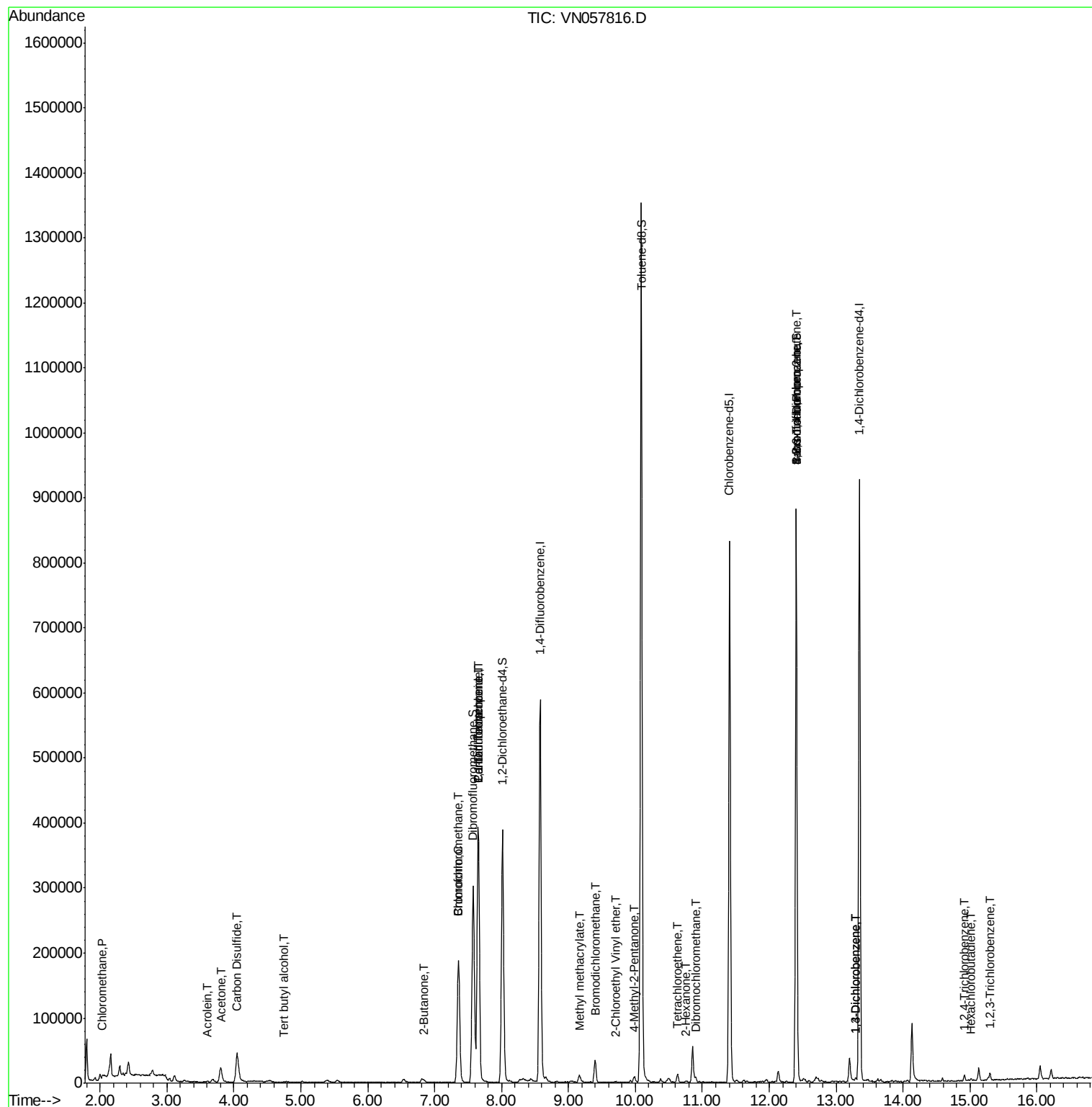
						Qvalue
3) Chloromethane	2.03	50	2307	0.536	ug/l	97
5) Bromomethane	2.54	94	637	Below Cal		96
11) Tert butyl alcohol	4.76	59	687	0.917	ug/l #	72
13) Acrolein	3.59	56	324	0.510	ug/l #	1
16) Acetone	3.80	43	39793	19.616	ug/l	99
17) Carbon Disulfide	4.03	76	3671	0.881	ug/l #	73
20) Methylene Chloride	4.52	84	783	Below Cal		87
25) 2-Butanone	6.85	43	4706	1.603	ug/l #	84
28) Bromochloromethane	7.36	49	17254	4.232	ug/l #	19
30) Chloroform	7.36	83	190456	22.323	ug/l	98
31) Cyclohexane	7.65	56	8358	Below Cal	#	16
36) 1,1-Dichloropropene	7.65	75	26481	4.463	ug/l #	52
38) Carbon Tetrachloride	7.65	117	31707	5.852	ug/l #	16
47) Bromodichloromethane	9.40	83	22096	3.522	ug/l	93
48) Methyl methacrylate	9.16	41	3834	0.733	ug/l #	49
51) 4-Methyl-2-Pentanone	9.98	43	8183	1.341	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.71	63	1119	0.331	ug/l #	50
59) 2-Hexanone	10.76	43	3004	0.657	ug/l #	52
60) Dibromochloromethane	10.90	129	2958	0.668	ug/l	93
64) Tetrachloroethene	10.63	164	2369	0.707	ug/l	86
71) Bromoform	12.40	173	747	0.291	ug/l #	30
76) 1,2,3-Trichloropropane	12.40	75	161818	31.373	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161818	110.404	ug/l #	6
87) 1,3-Dichlorobenzene	13.28	146	1731	0.214	ug/l	85
88) 1,4-Dichlorobenzene	13.28	146	1731	0.211	ug/l	85
93) 1,2,4-Trichlorobenzene	14.92	180	2863	0.542	ug/l	96
94) Hexachlorobutadiene	15.01	225	506	0.226	ug/l	91
95) Naphthalene	15.13	128	13959	Below Cal		98
96) 1,2,3-Trichlorobenzene	15.30	180	3041	1.644	ug/l	99

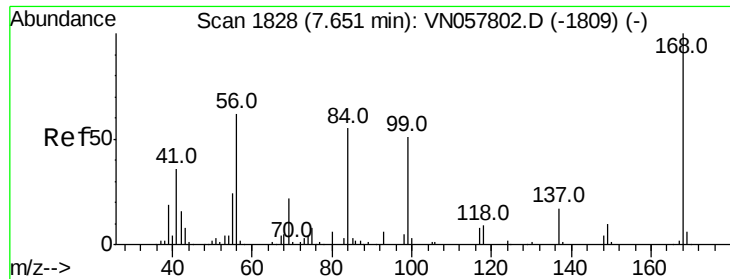
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 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: VN057816.D

Acq: 9 Sep 2019 21:19

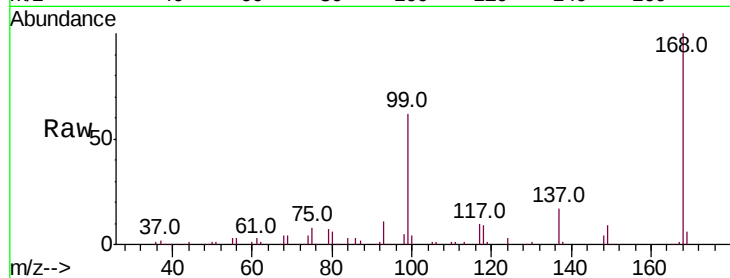
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 305526

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

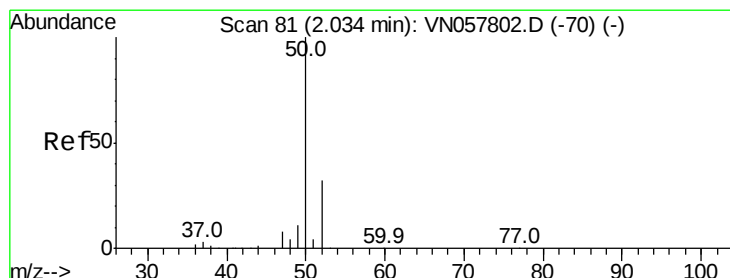
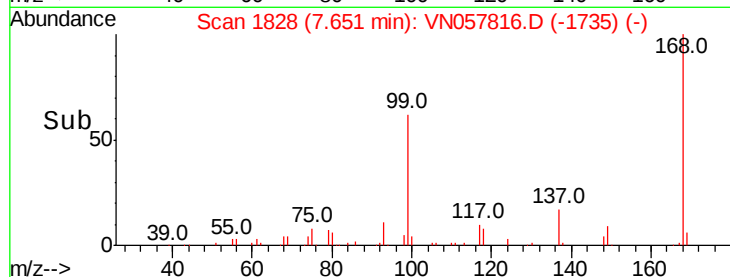
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.536 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057816.D

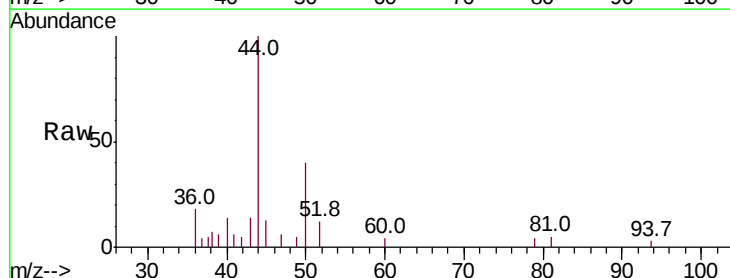
Acq: 9 Sep 2019 21:19

Tgt Ion: 50 Resp: 2307

Ion Ratio Lower Upper

50 100

52 30.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.03

2000

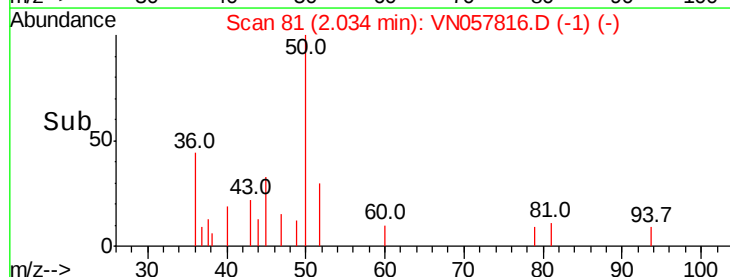
1500

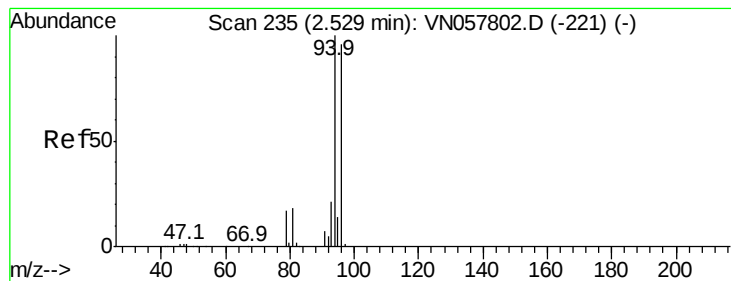
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

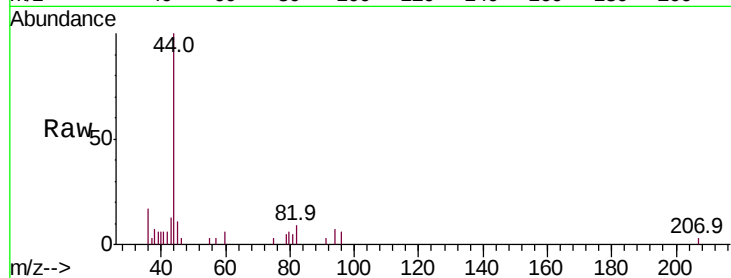
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 637

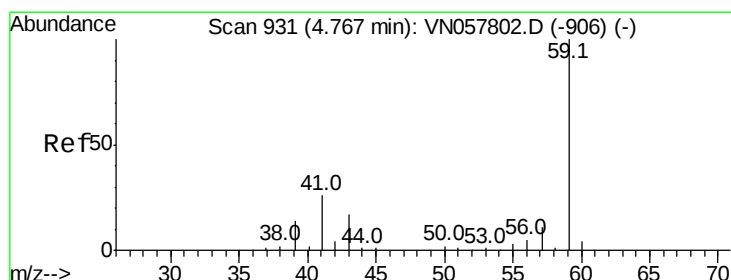
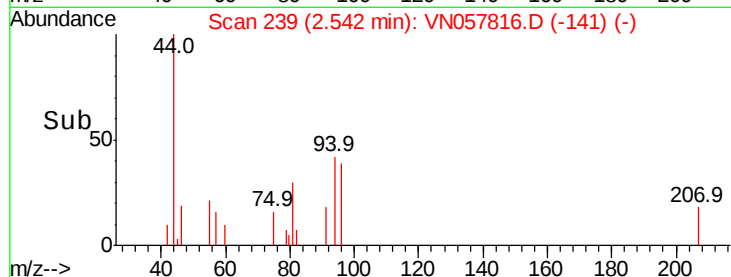
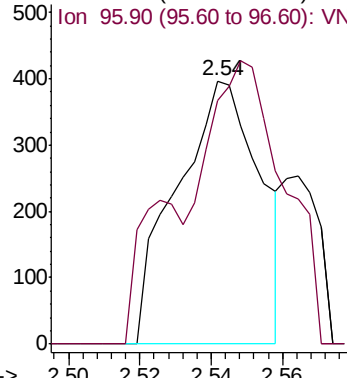
Ion Ratio Lower Upper

94 100

96 92.4 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)



#11

Tert butyl alcohol

Concen: 0.917 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN057816.D

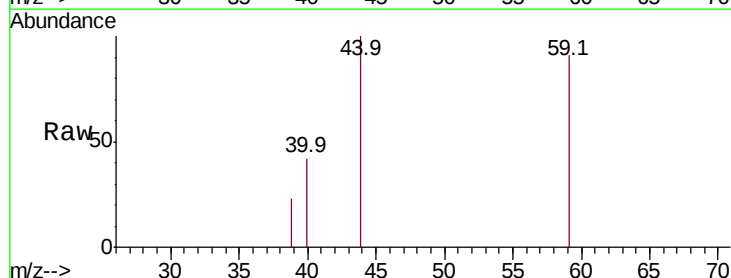
Acq: 9 Sep 2019 21:19

Tgt Ion: 59 Resp: 687

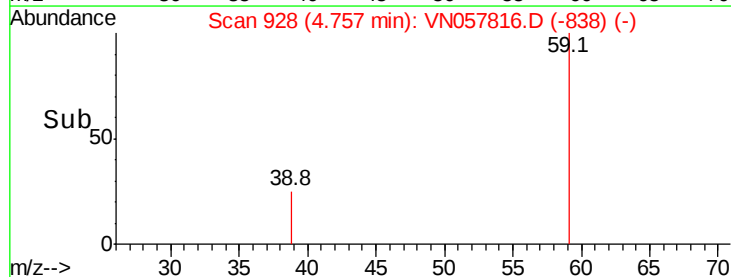
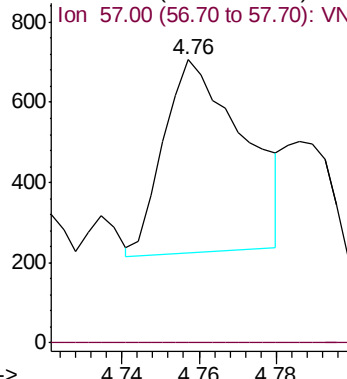
Ion Ratio Lower Upper

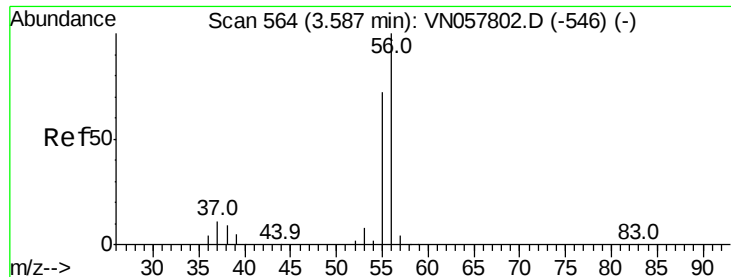
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN057802.D (-906) (-)





#13

Acrolein

Concen: 0.510 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

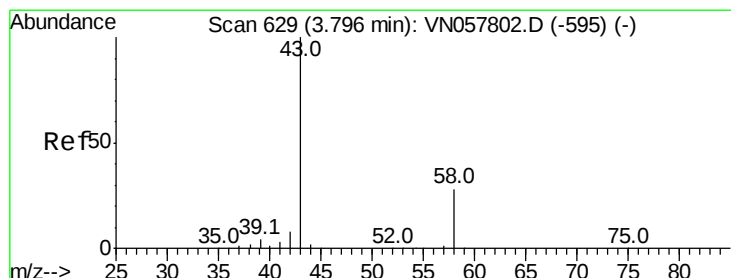
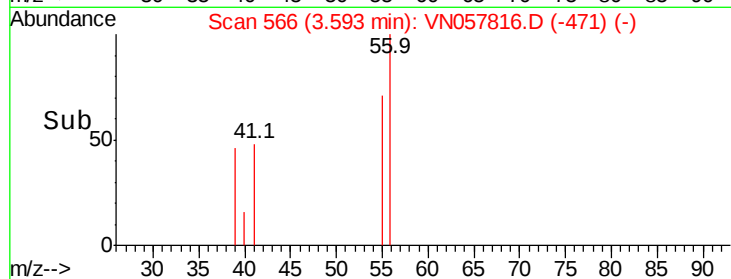
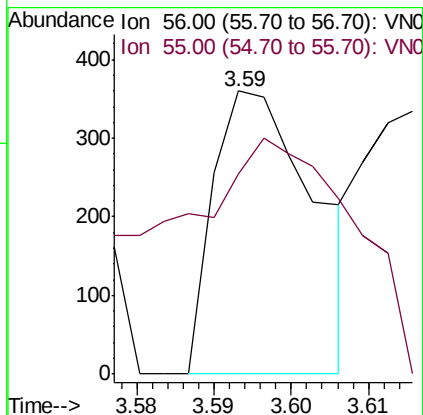
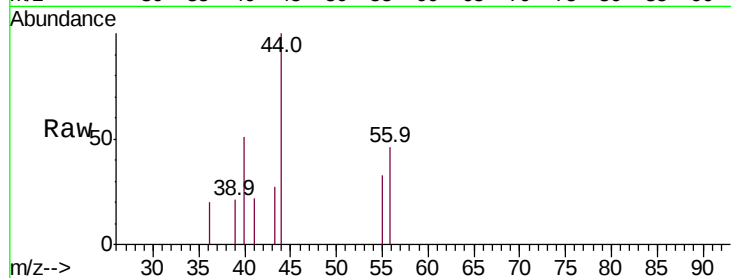
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 324

Ion Ratio Lower Upper

56 100

55 154.9 57.3 85.9#



#16

Acetone

Concen: 19.616 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057816.D

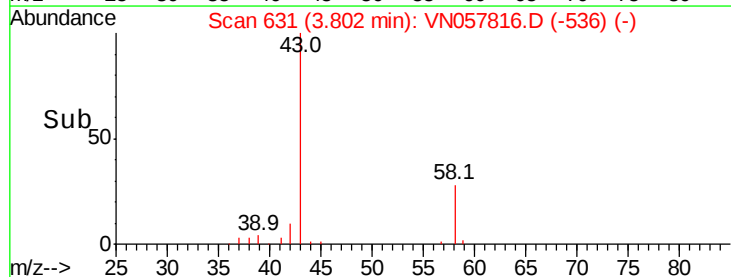
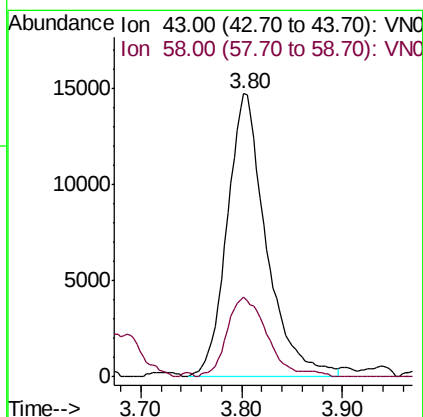
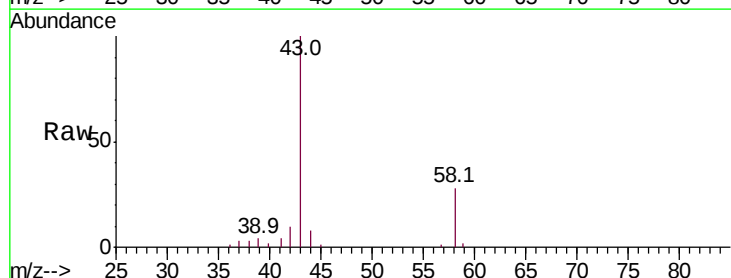
Acq: 9 Sep 2019 21:19

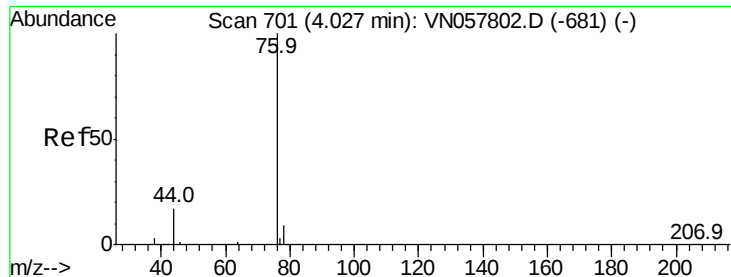
Tgt Ion: 43 Resp: 39793

Ion Ratio Lower Upper

43 100

58 28.0 22.2 33.2

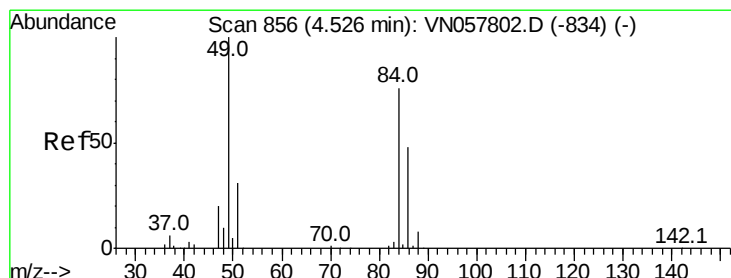
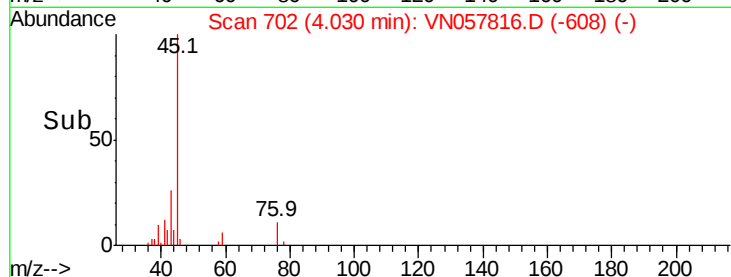
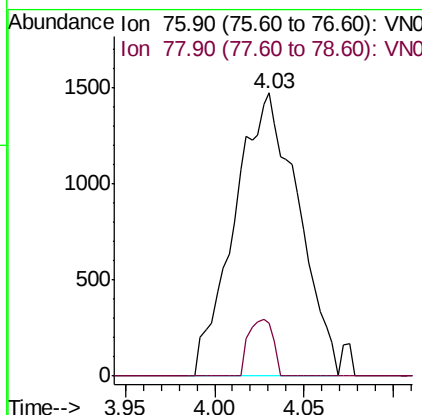
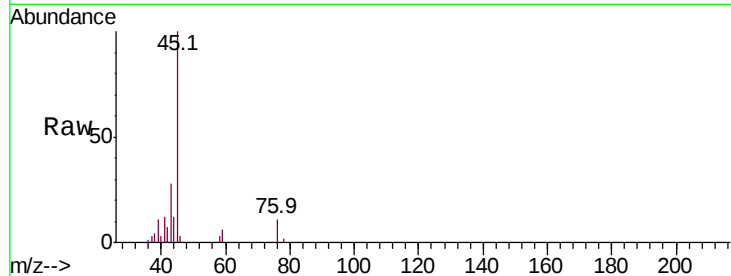




#17
Carbon Disulfide
Concen: 0.881 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

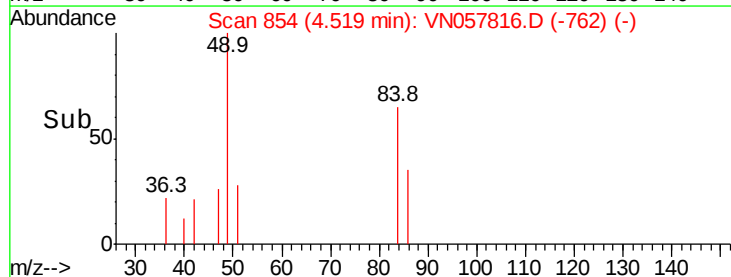
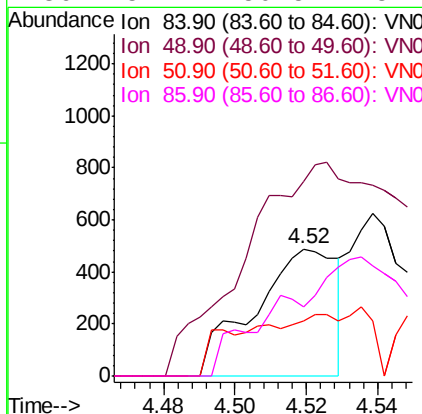
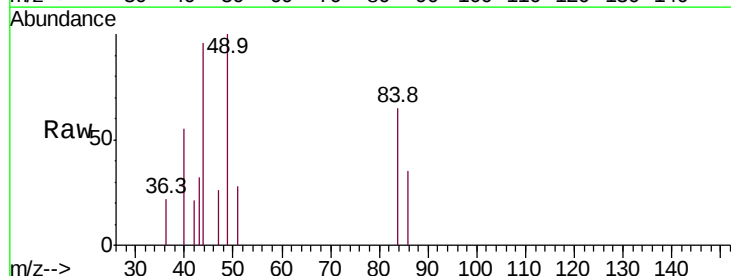
Instrument :
MSVOA_N
ClientSampled :

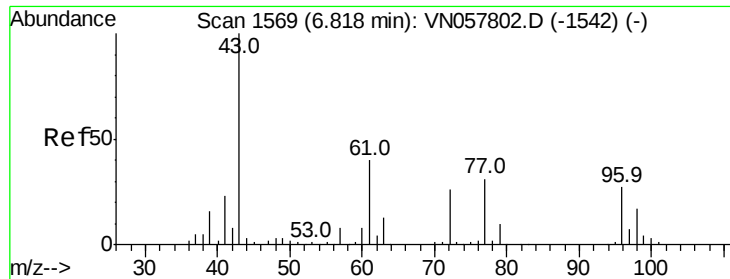
Tot Ion: 76 Resp: 3671
Ion Ratio Lower Upper
76 100
78 18.6 7.1 10.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

Tgt Ion: 84 Resp: 783
Ion Ratio Lower Upper
84 100
49 112.3 104.8 157.2
51 43.5 33.0 49.4
86 54.4 50.5 75.7





#25

2-Butanone

Concen: 1.603 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.03 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

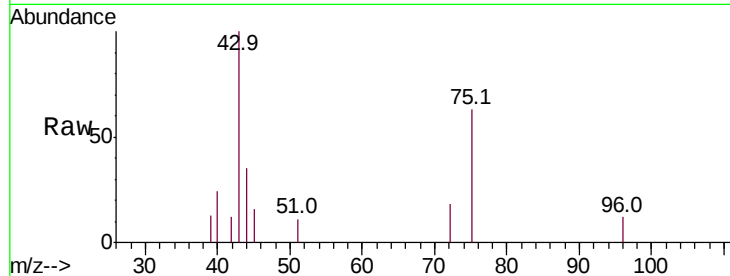
ClientSampleId :

Tot Ion: 43 Resp: 4706

Ion Ratio Lower Upper

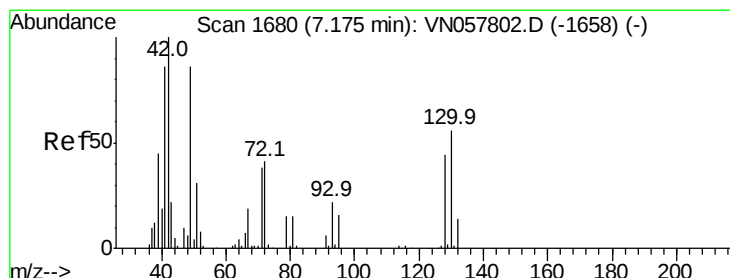
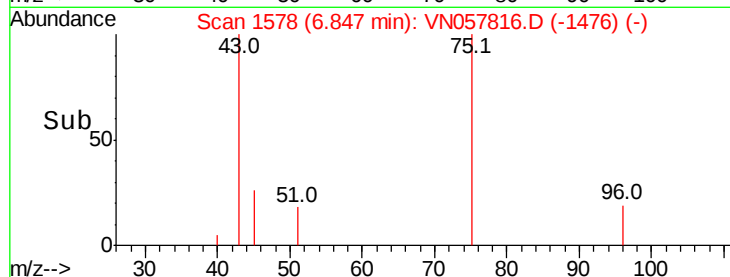
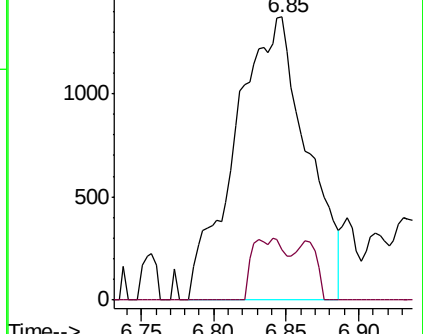
43 100

72 17.7 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#28

Bromochloromethane

Concen: 4.232 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.18 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

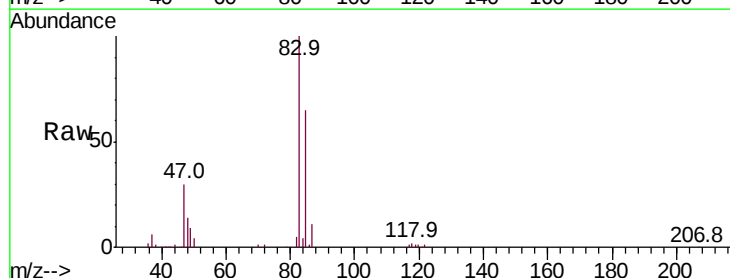
Tgt Ion: 49 Resp: 17254

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

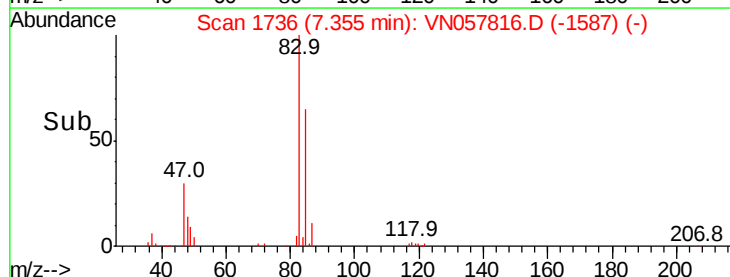
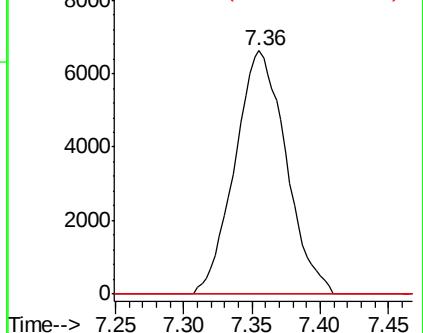
130 0.0 53.0 79.6#

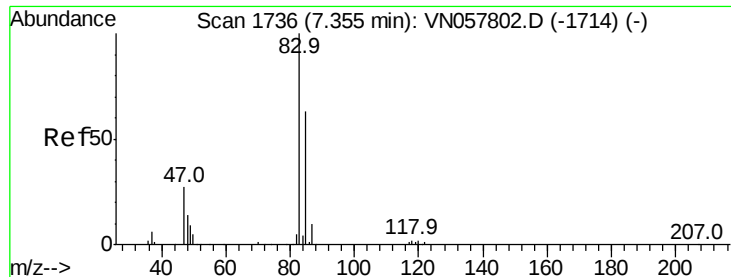


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

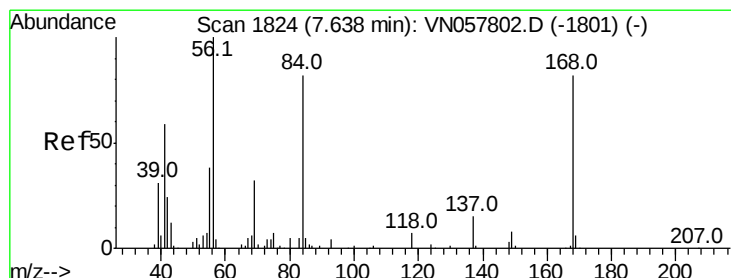
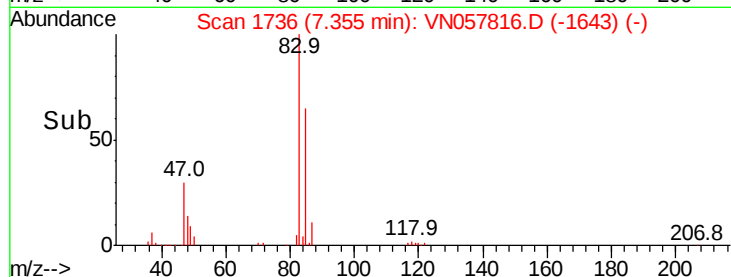
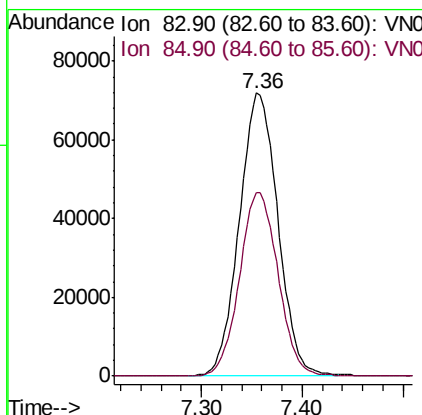
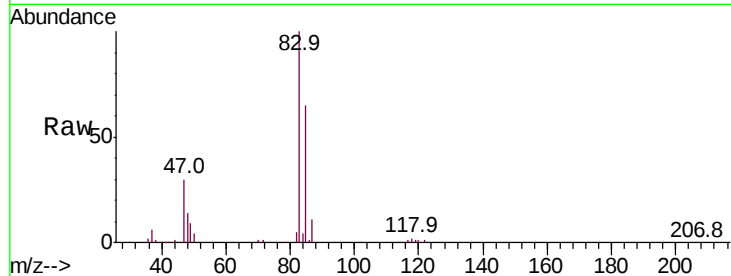




#30
Chloroform
Concen: 22.323 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

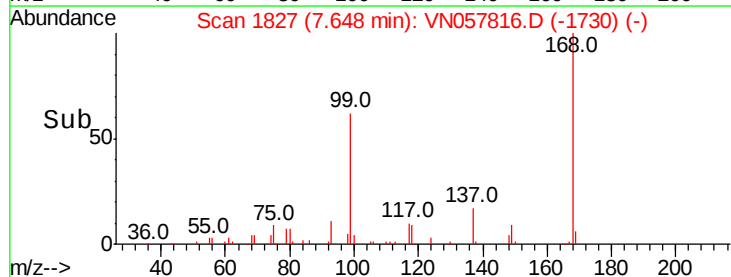
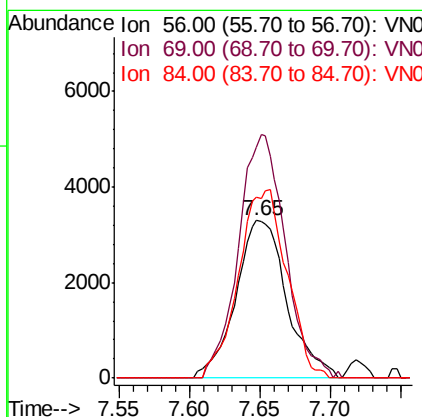
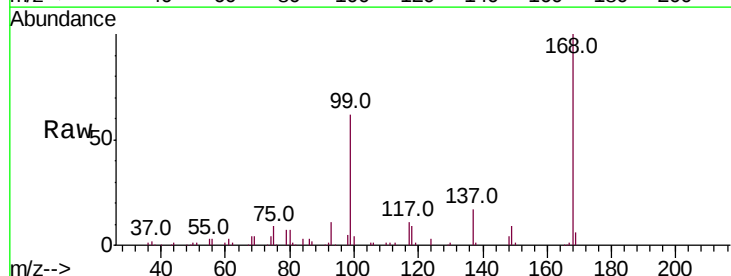
Instrument :
MSVOA_N
ClientSampled :

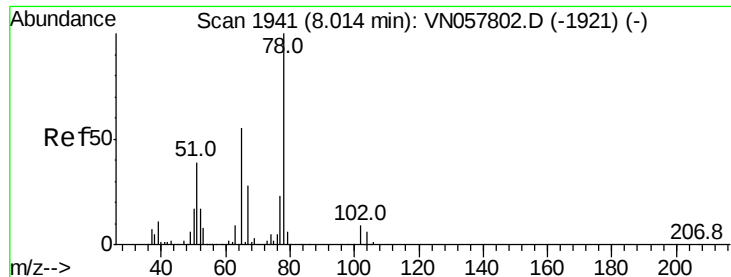
Tot Ion: 83 Resp: 190456
Ion Ratio Lower Upper
83 100
85 65.0 50.6 75.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

Tgt Ion: 56 Resp: 8358
Ion Ratio Lower Upper
56 100
69 146.0 25.9 38.9#
84 114.9 65.6 98.4#

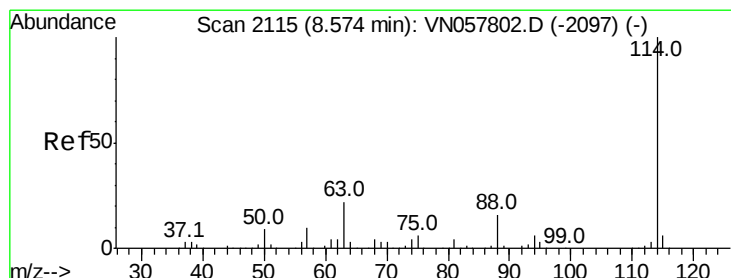
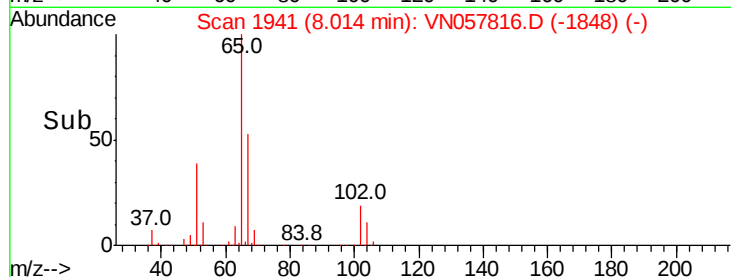
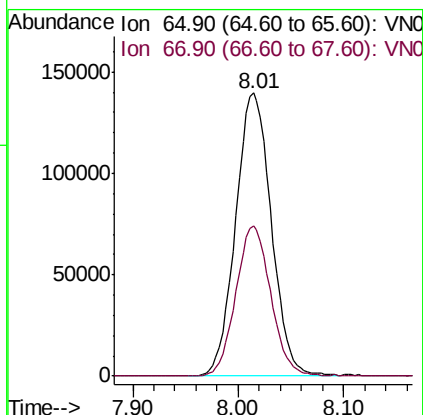
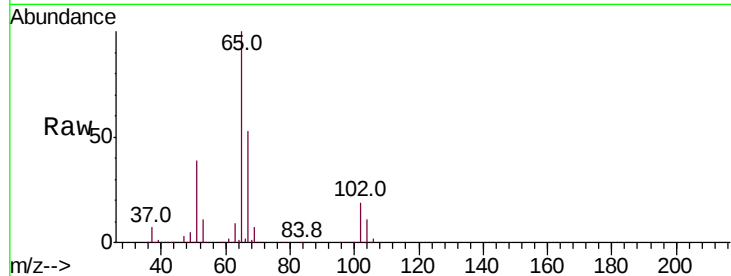




#33
 1,2-Dichloroethane-d4
 Concen: 53.074 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

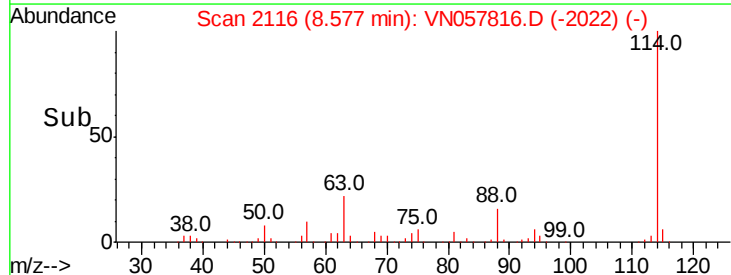
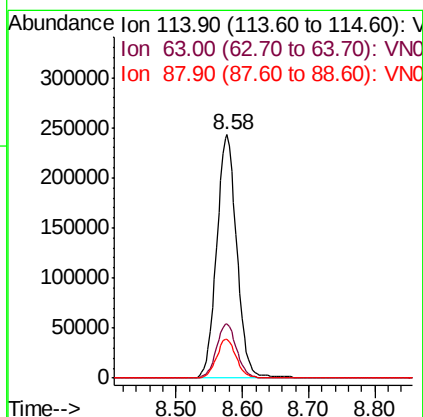
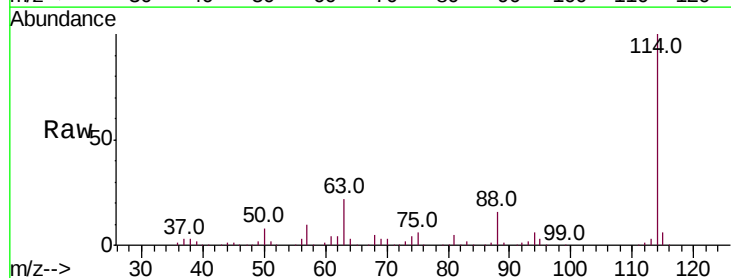
Instrument :
 MSVOA_N
 ClientSampleId :

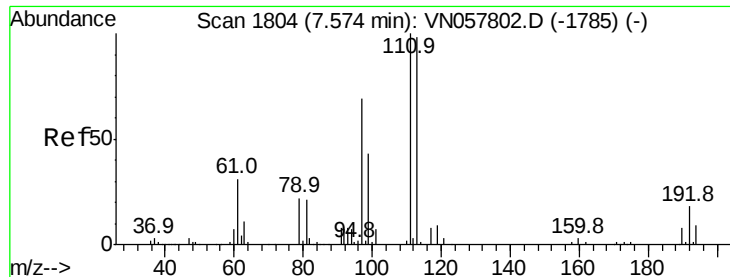
Tot Ion: 65 Resp: 328431
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

Tgt Ion: 114 Resp: 511668
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.8 0.0 31.4

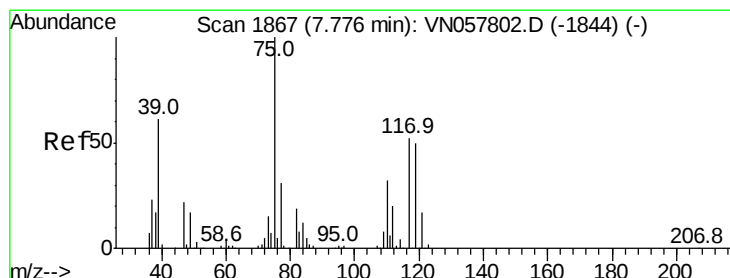
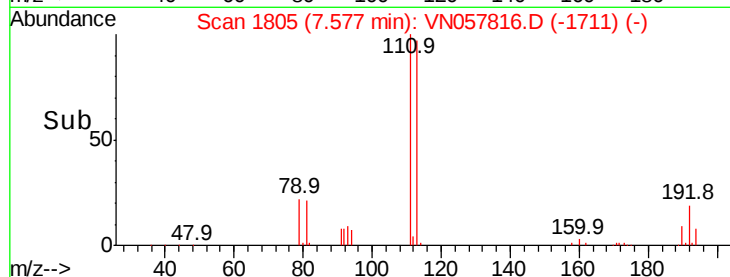
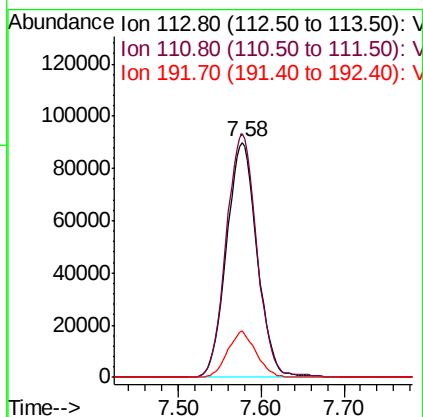
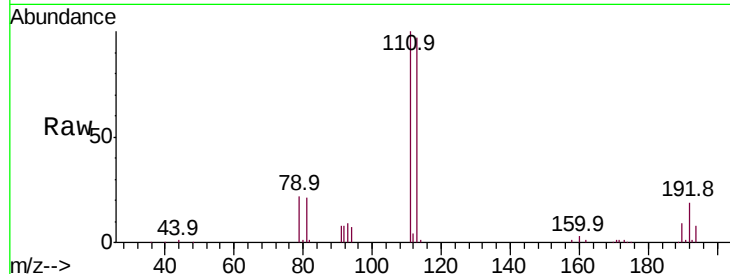




#35
 Dibromofluoromethane
 Concen: 48.780 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

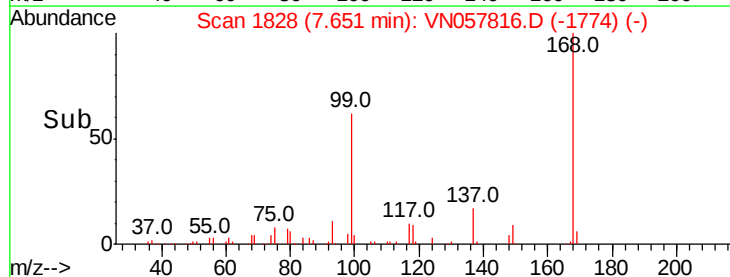
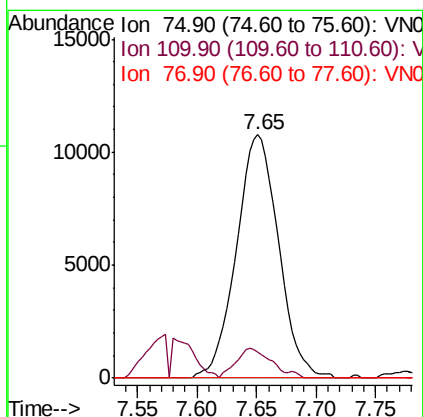
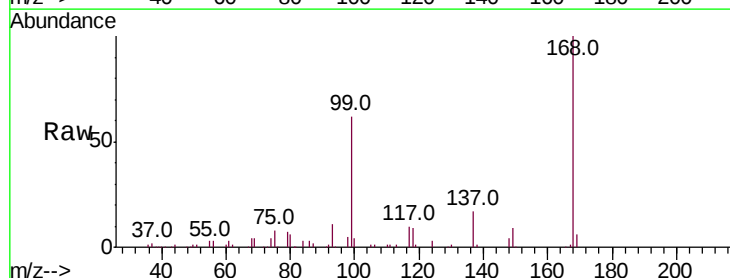
Instrument :
 MSVOA_N
 ClientSampleId :

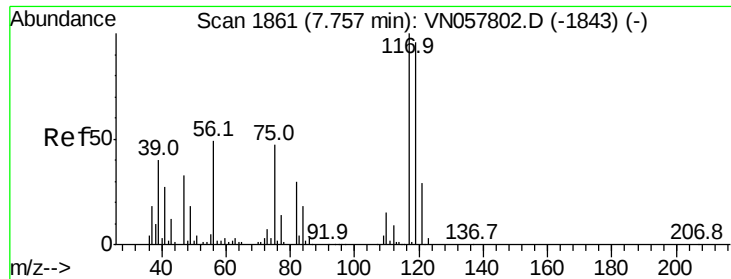
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.3	121.9
192	18.3	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.852 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

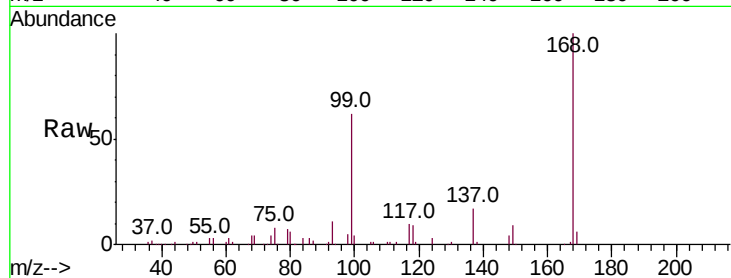
Tot Ion:117 Resp: 31707

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

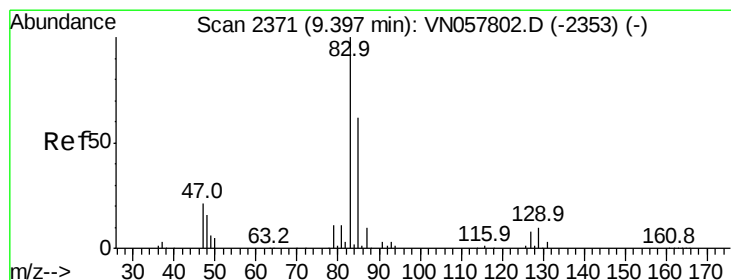
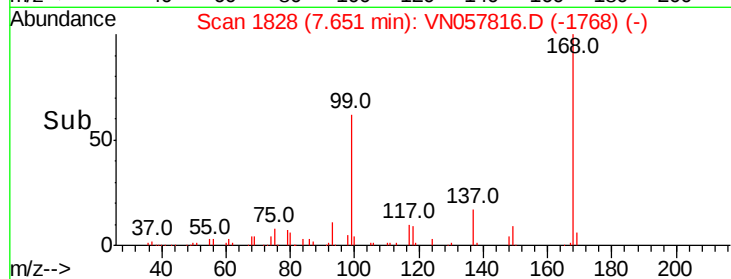
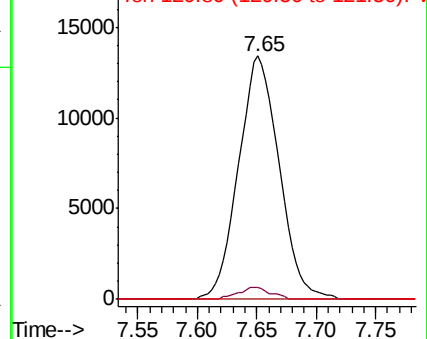
121 0.0 23.4 35.2#



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



#47

Bromodichloromethane

Concen: 3.522 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

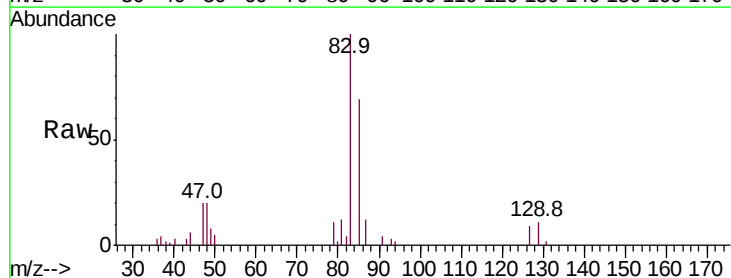
Tgt Ion: 83 Resp: 22096

Ion Ratio Lower Upper

83 100

85 68.6 49.9 74.9

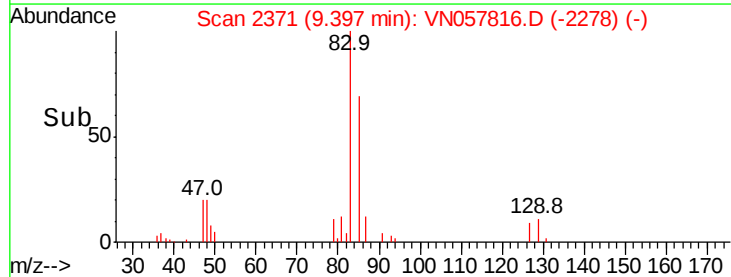
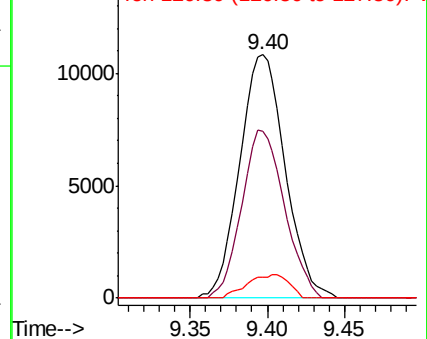
127 8.6 6.5 9.7

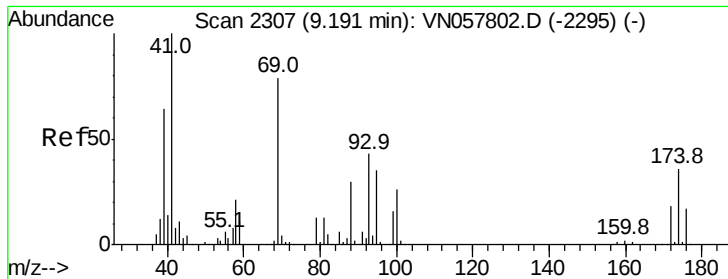


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 0.733 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.03 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :
MSVOA_N
ClientSampled :

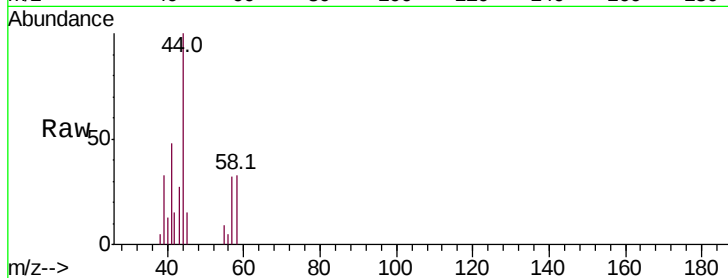
Tot Ion: 41 Resp: 3834

Ion Ratio Lower Upper

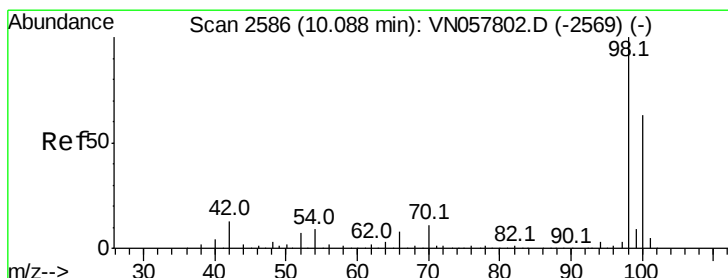
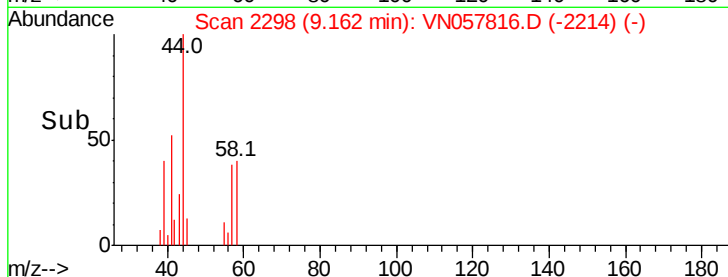
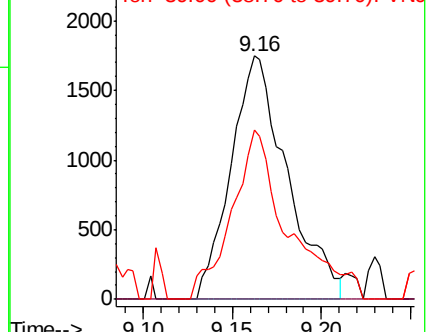
41 100

69 0.0 62.7 94.1#

39 69.7 52.7 79.1



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: 50.695 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057816.D

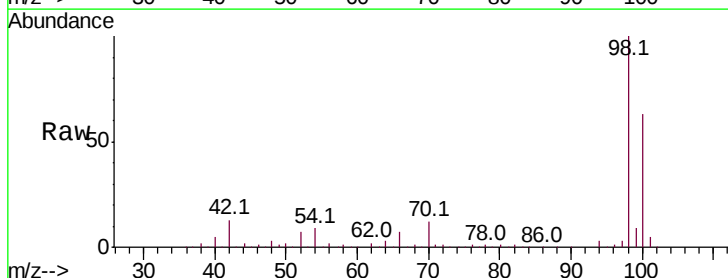
Acq: 9 Sep 2019 21:19

Tgt Ion: 98 Resp: 929514

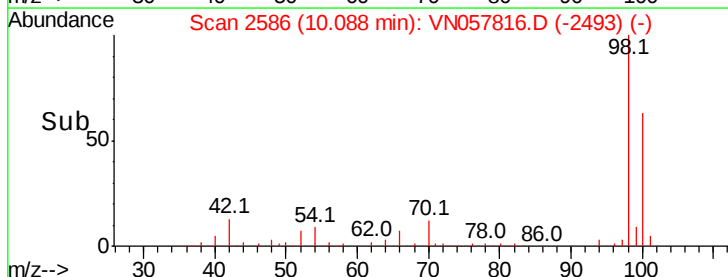
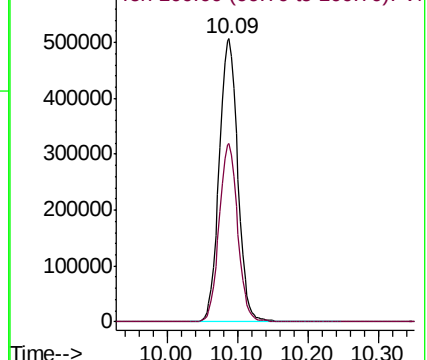
Ion Ratio Lower Upper

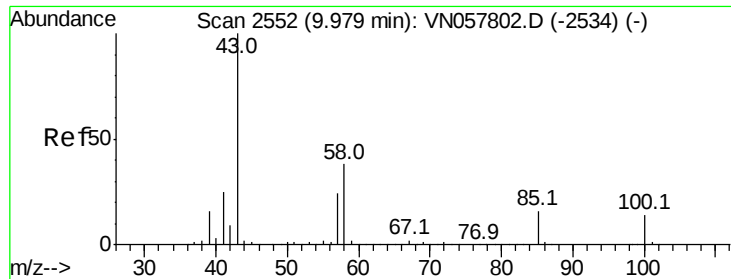
98 100

100 62.7 50.3 75.5



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: 1.341 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

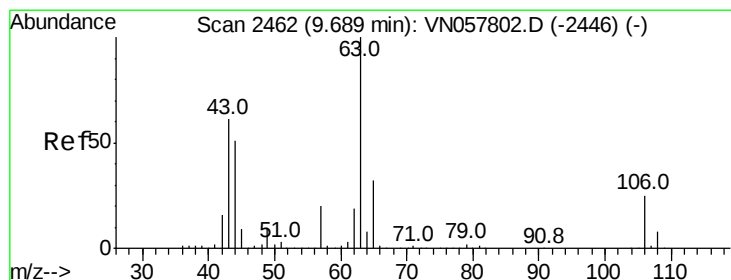
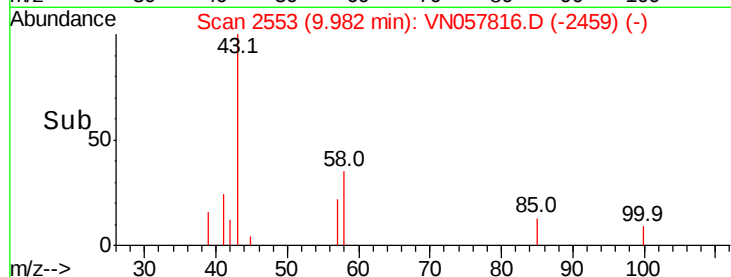
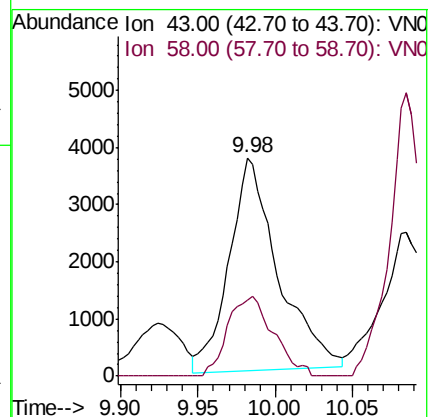
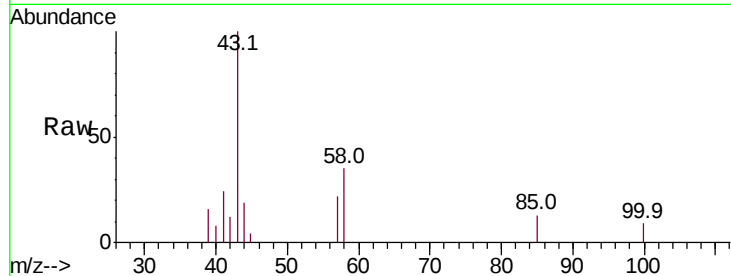
ClientSampled :

Tot Ion: 43 Resp: 8183

Ion Ratio Lower Upper

43 100

58 34.8 29.8 44.6



#58

2-Chloroethyl Vinyl ether

Concen: 0.331 ug/l

RT: 9.71 min Scan# 2469

Delta R.T. 0.02 min

Lab File: VN057816.D

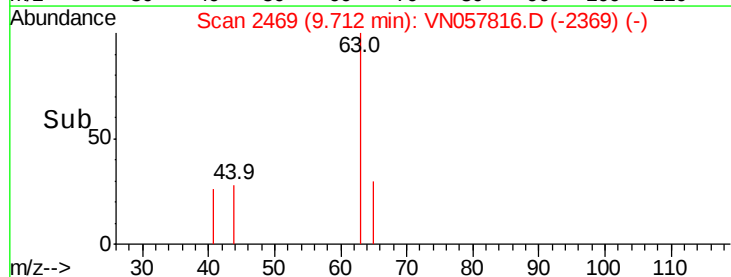
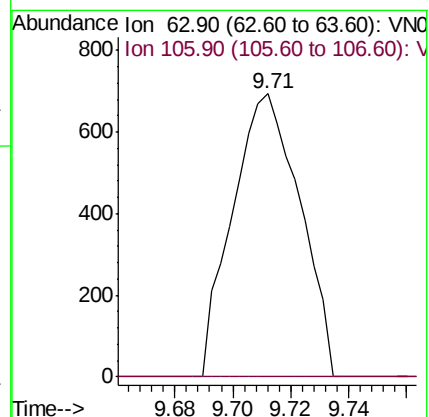
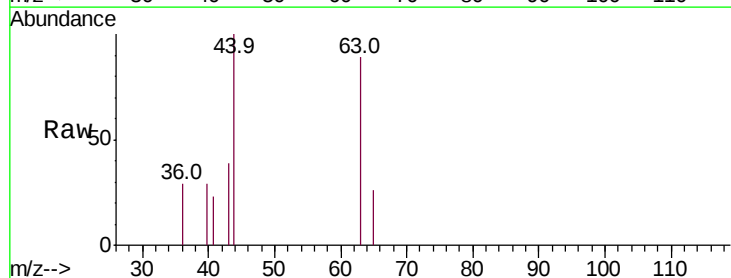
Acq: 9 Sep 2019 21:19

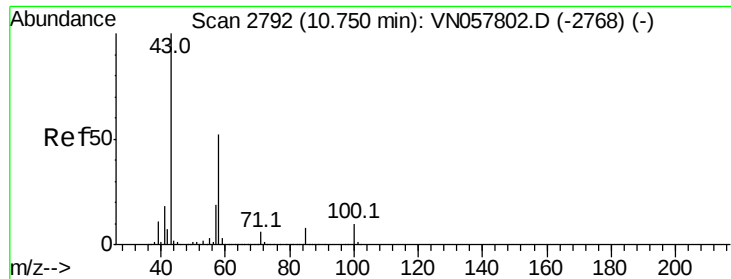
Tgt Ion: 63 Resp: 1119

Ion Ratio Lower Upper

63 100

106 0.0 20.0 30.0#

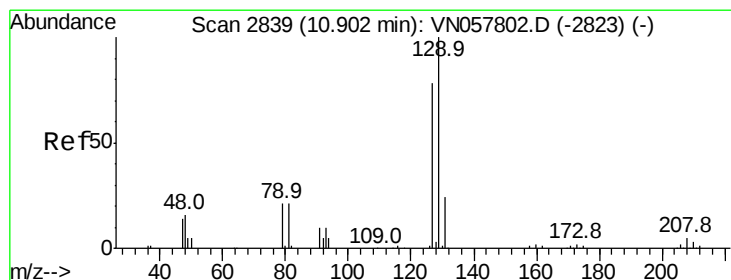
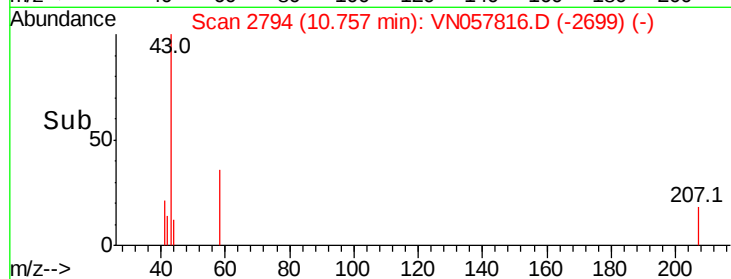
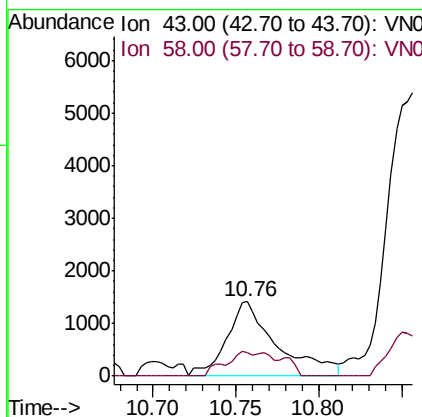
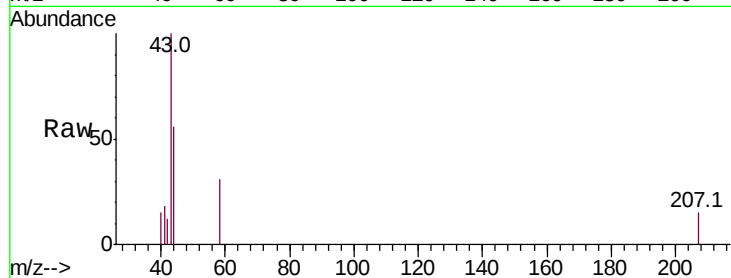




#59
2-Hexanone
Concen: 0.657 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

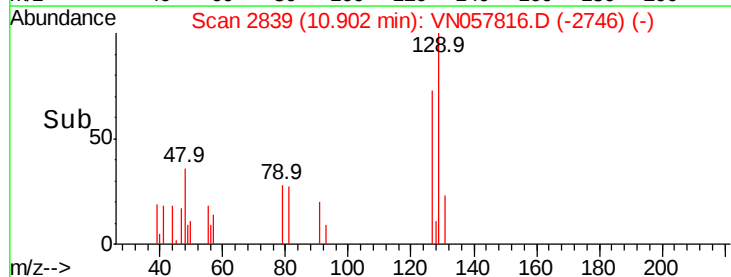
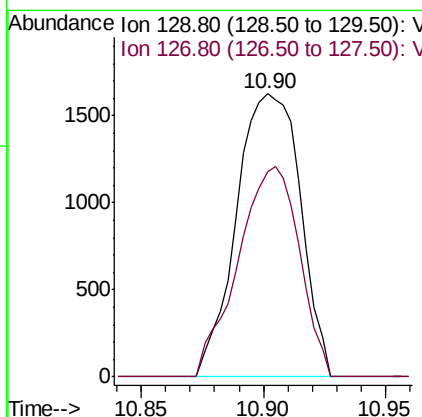
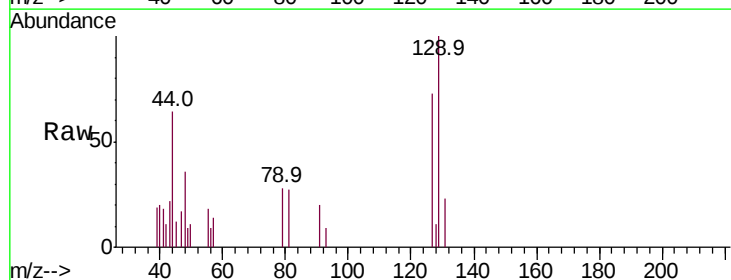
Instrument :
MSVOA_N
ClientSampled :

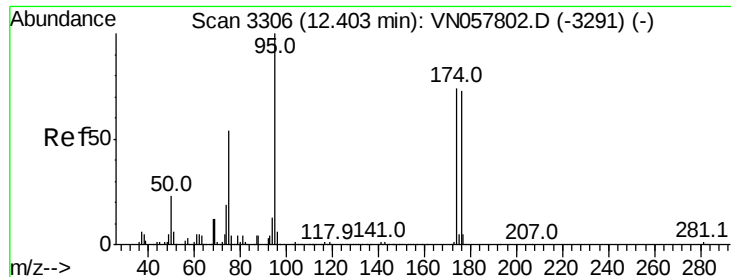
Tot Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
58 18.0 25.6 76.8#



#60
Dibromochloromethane
Concen: 0.668 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057816.D
Acq: 9 Sep 2019 21:19

Tgt Ion: 129 Resp: 2958
Ion Ratio Lower Upper
129 100
127 71.2 38.6 116.0





#62

4-Bromofluorobenzene

Concen: 42.203 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

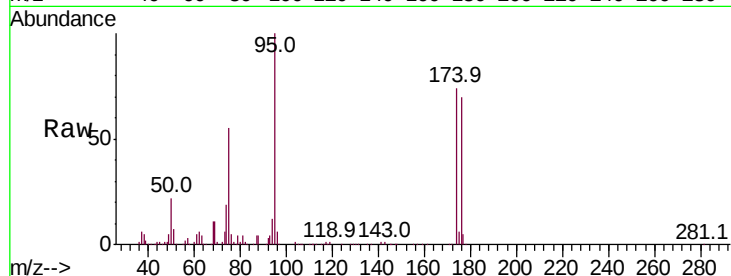
Tot Ion: 95 Resp: 294889

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

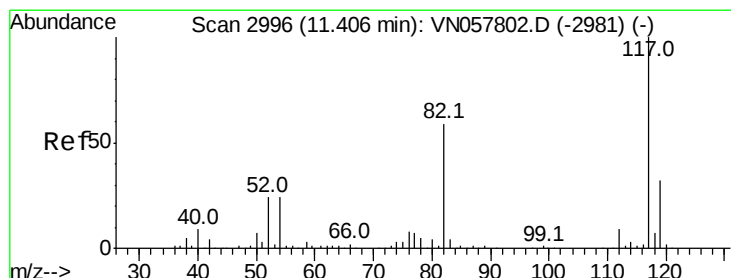
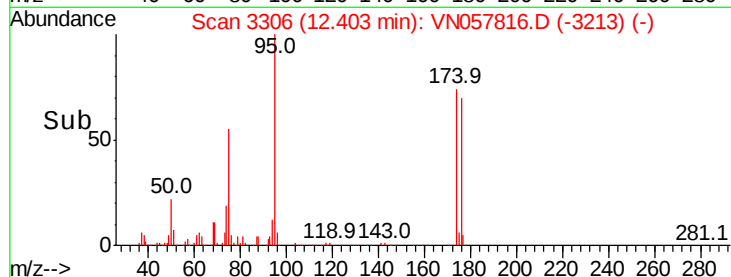
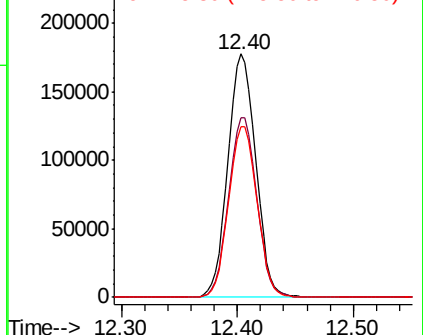
176 71.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

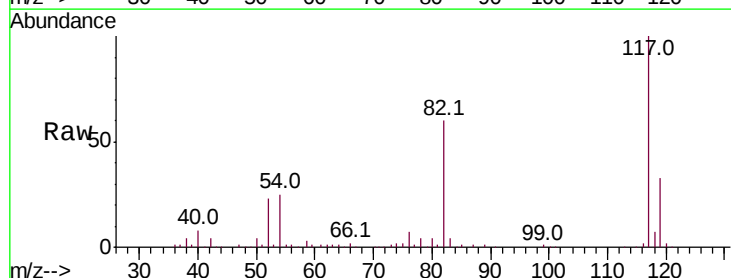
Tgt Ion: 117 Resp: 453946

Ion Ratio Lower Upper

117 100

82 60.2 47.2 70.8

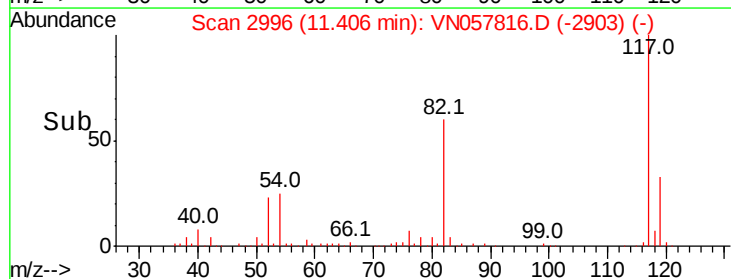
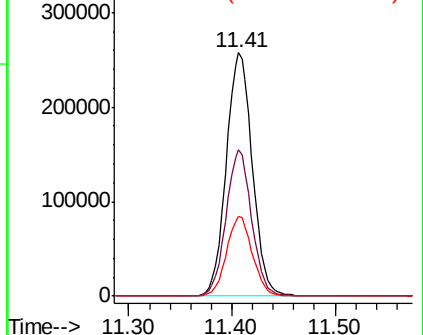
119 32.6 25.3 37.9

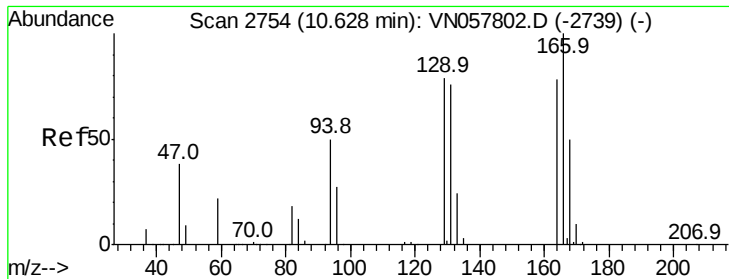


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#64

Tetrachloroethene

Concen: 0.707 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.01 min

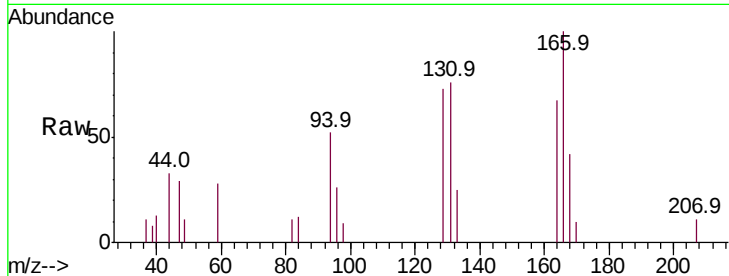
Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampled :



Tot Ion:164 Resp: 2369

Ion Ratio Lower Upper

164 100

166 148.5 102.2 153.2

129 107.7 80.8 121.2

131 113.4 77.4 116.2

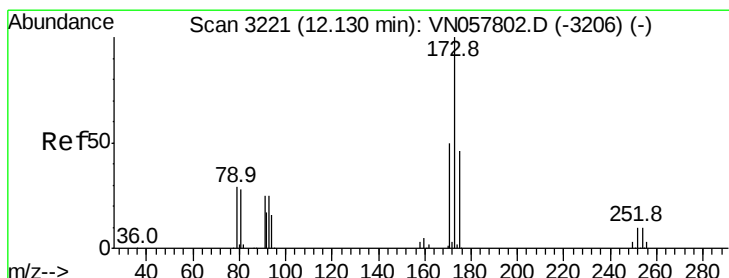
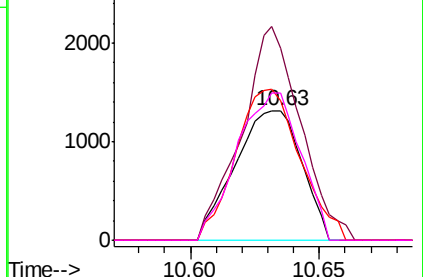
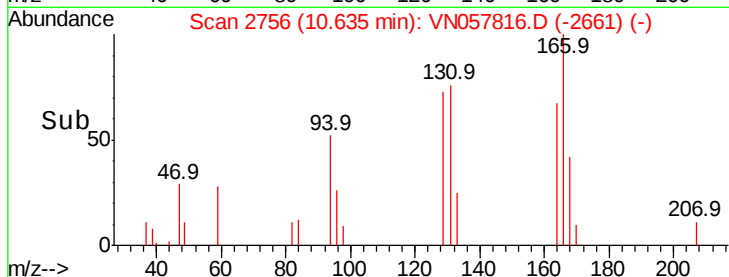
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#71

Bromoform

Concen: 0.291 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

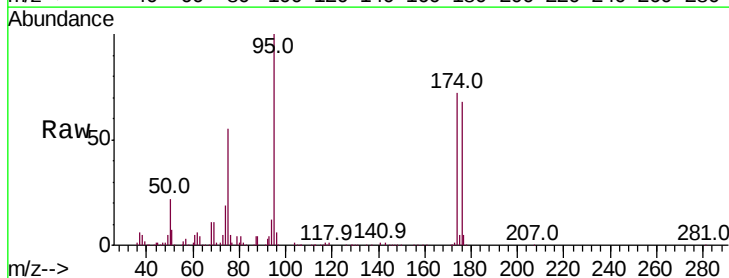
Tgt Ion:173 Resp: 747

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

254 0.0 0.1 0.1#

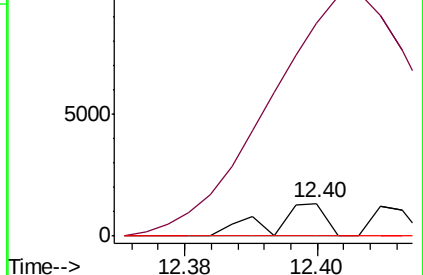
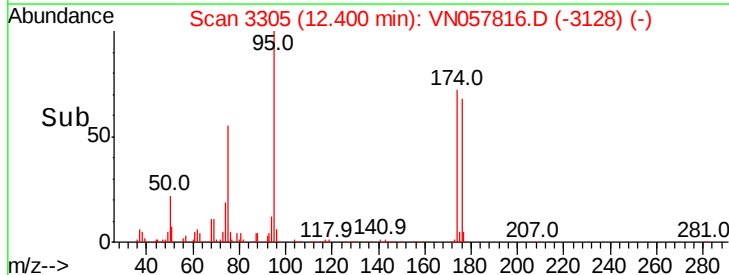


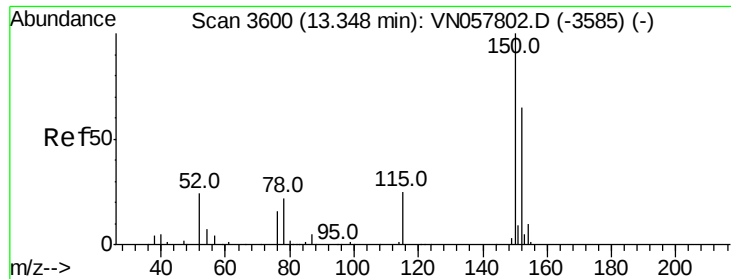
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

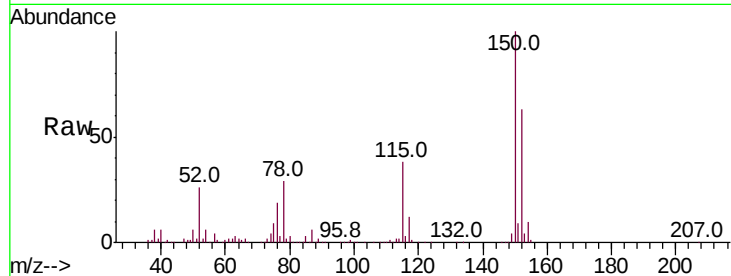
Tot Ion:152 Resp: 228002

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

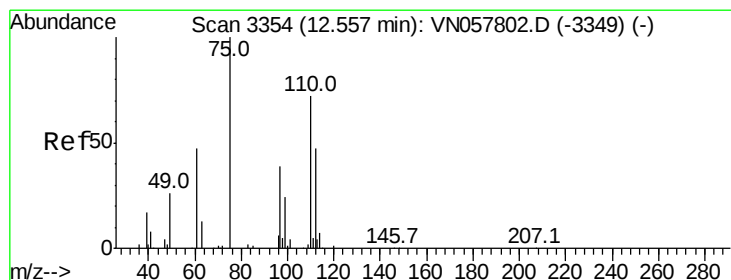
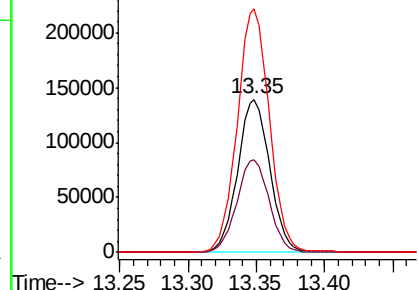
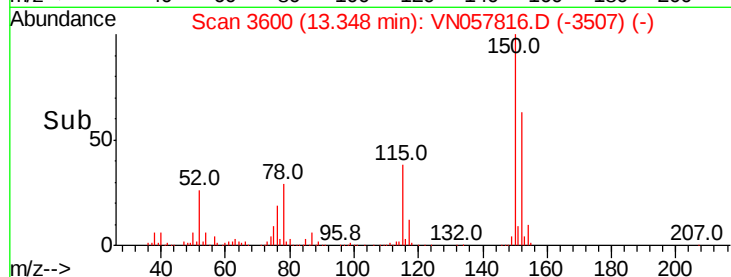
150 158.8 0.0 352.4



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: 31.373 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057816.D

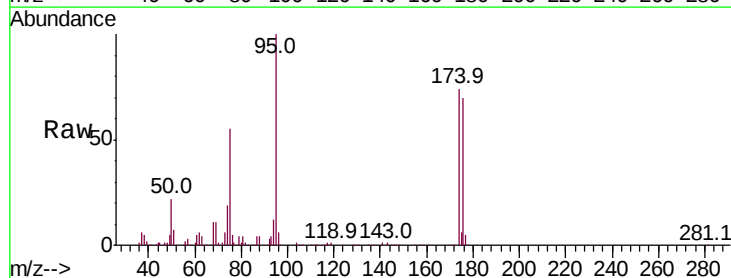
Acq: 9 Sep 2019 21:19

Tgt Ion: 75 Resp: 161818

Ion Ratio Lower Upper

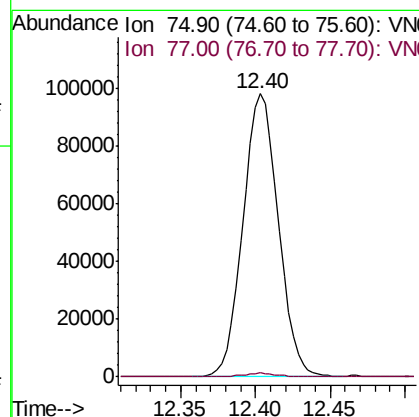
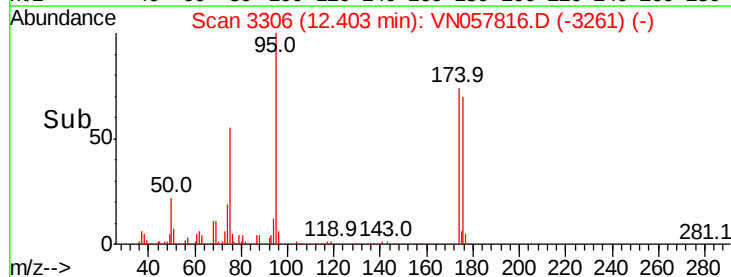
75 100

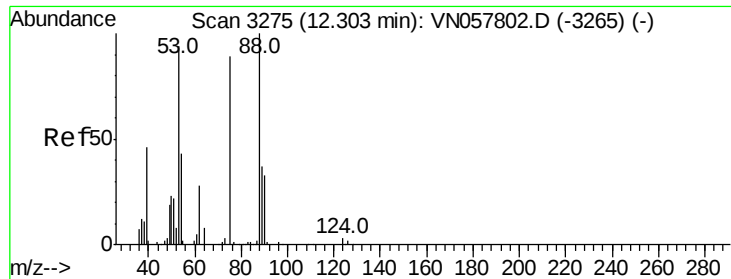
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.404 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

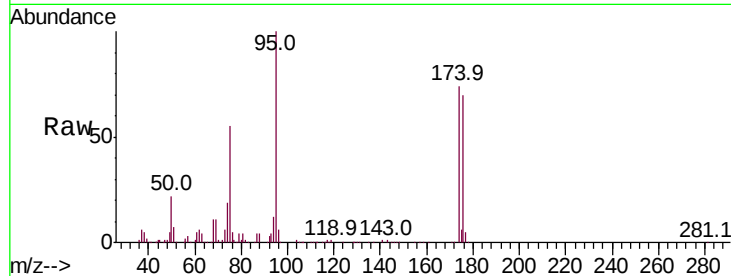
Tot Ion: 75 Resp: 161818

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

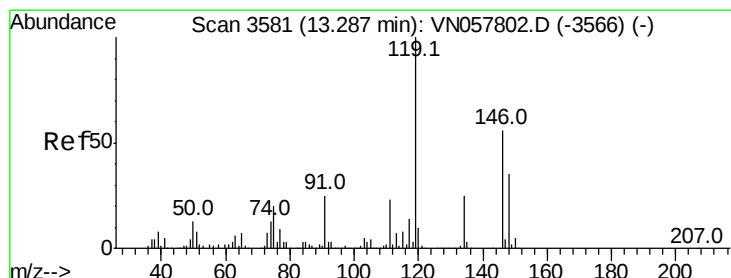
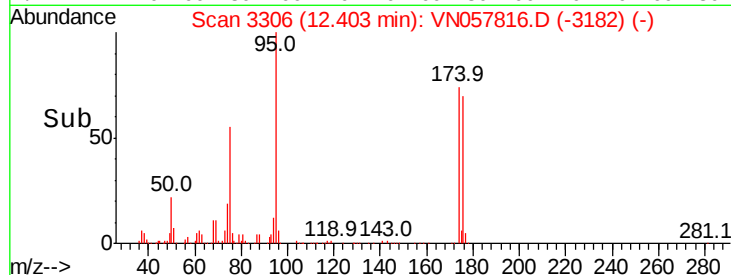
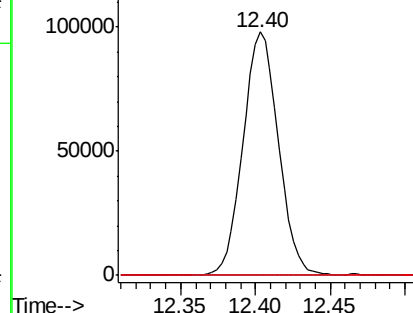
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057816.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN057816.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN057816.D (-3182) (-)



#87

1,3-Dichlorobenzene

Concen: 0.214 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

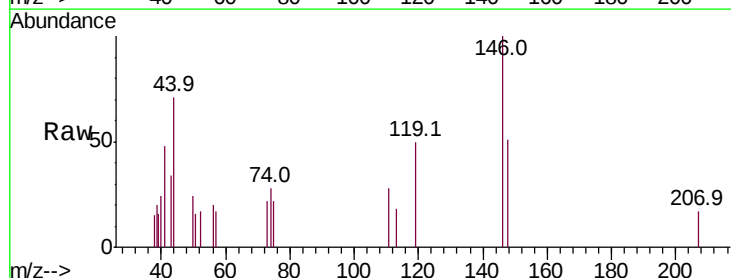
Tgt Ion: 146 Resp: 1731

Ion Ratio Lower Upper

146 100

111 30.4 20.5 61.6

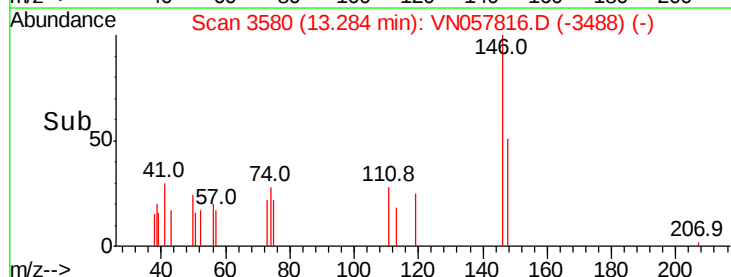
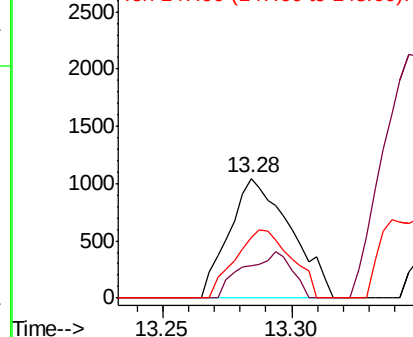
148 52.3 31.5 94.5

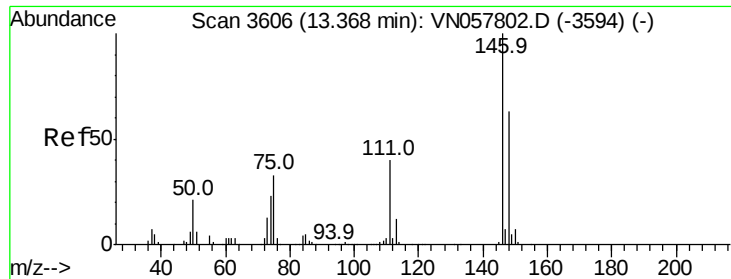


Abundance Ion 145.90 (145.60 to 146.60): VN057816.D (-3488) (-)

Ion 110.90 (110.60 to 111.60): VN057816.D (-3488) (-)

Ion 147.90 (147.60 to 148.60): VN057816.D (-3488) (-)

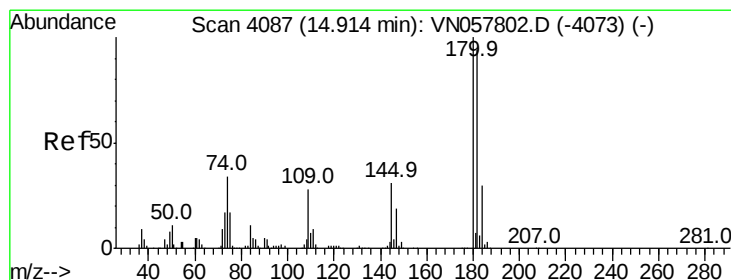
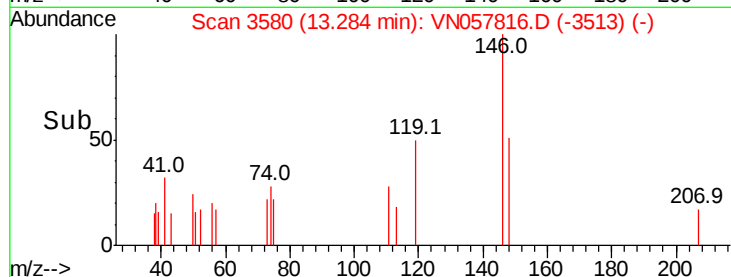
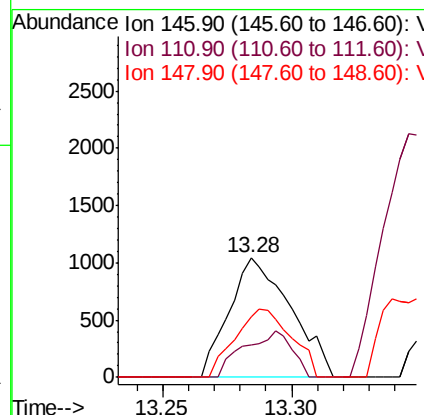
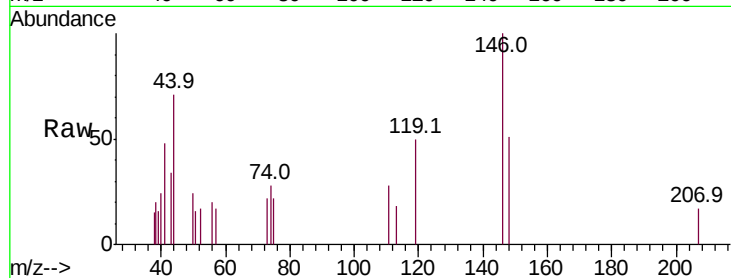




#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

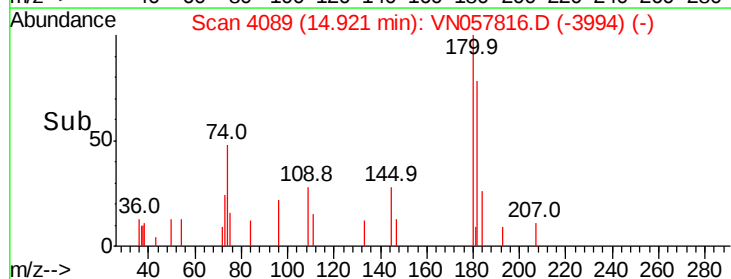
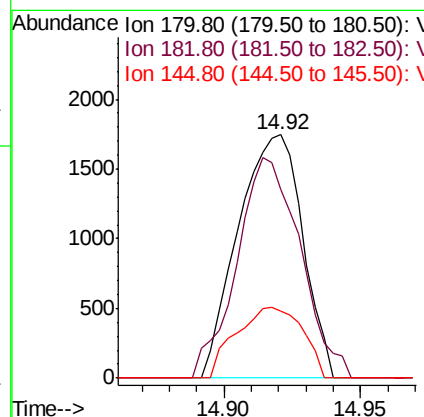
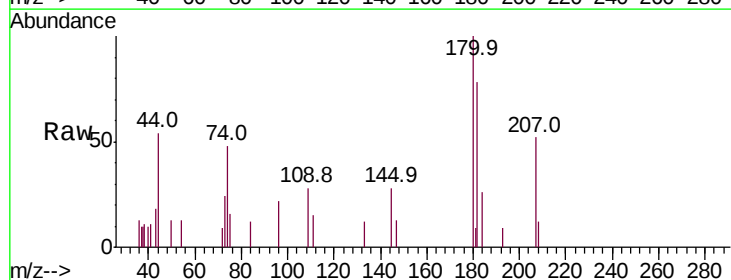
Instrument :
 MSVOA_N
 ClientSampled :

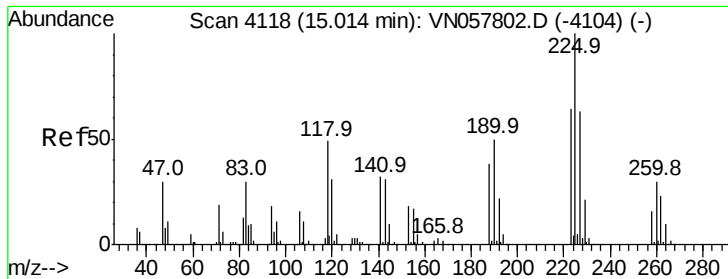
Tot Ion:146 Resp: 1731
 Ion Ratio Lower Upper
 146 100
 111 30.4 20.4 61.2
 148 52.3 31.8 95.4



#93
 1,2,4-Trichlorobenzene
 Concen: 0.542 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

Tgt Ion:180 Resp: 2863
 Ion Ratio Lower Upper
 180 100
 182 89.2 46.9 140.8
 145 30.0 14.9 44.7





#94

Hexachlorobutadiene

Concen: 0.226 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampled :

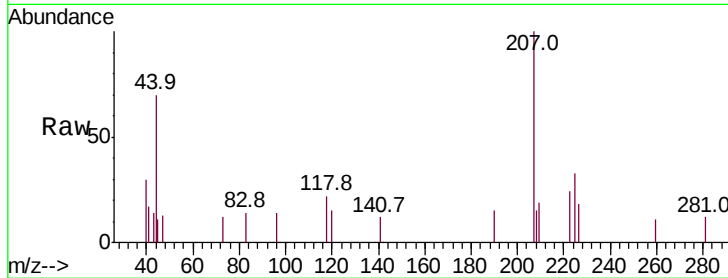
Tot Ion:225 Resp: 506

Ion Ratio Lower Upper

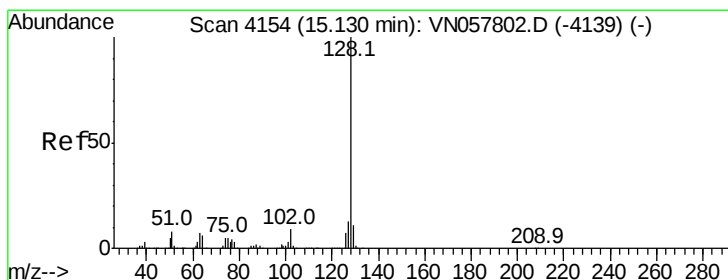
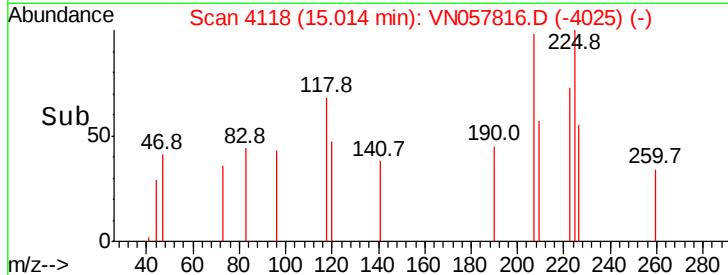
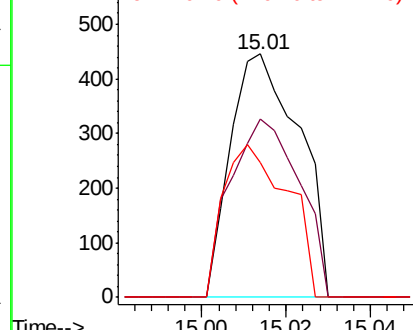
225 100

223 73.7 32.4 97.2

227 58.7 31.8 95.4



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: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

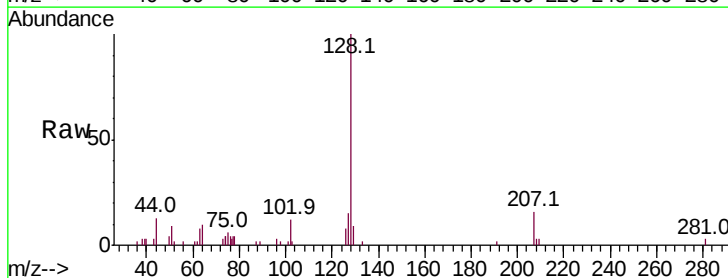
Tgt Ion:128 Resp: 13959

Ion Ratio Lower Upper

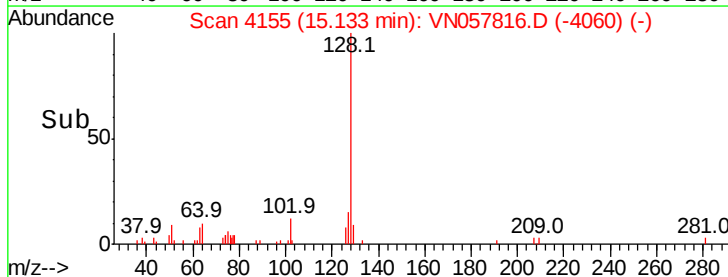
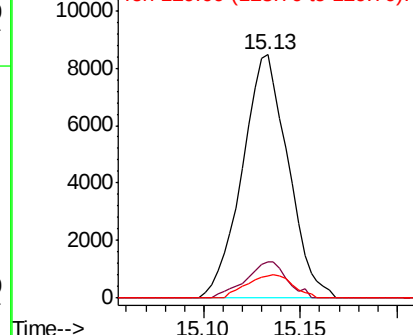
128 100

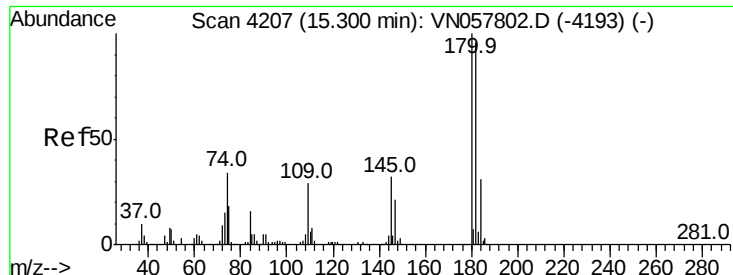
127 13.3 10.3 15.5

129 9.5 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: 1.644 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

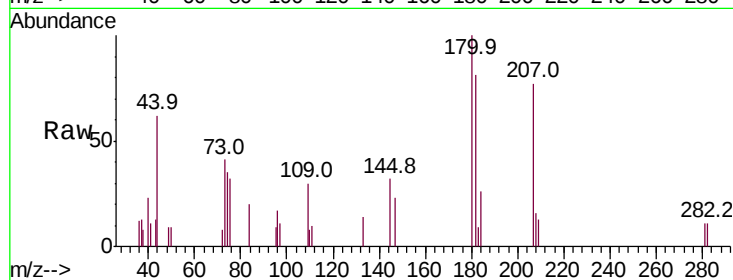
Tot Ion:180 Resp: 3041

Ion Ratio Lower Upper

180 100

182 97.3 48.3 144.8

145 34.3 16.3 48.8



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

