

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064433.D
 Acq On : 4 Nov 2020 13:45
 Operator : JC/MD
 Sample : VN1104WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:44:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	528825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	537301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	244537	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	7.55	113	176384	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.06	98	683172	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.38	95	265046	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	

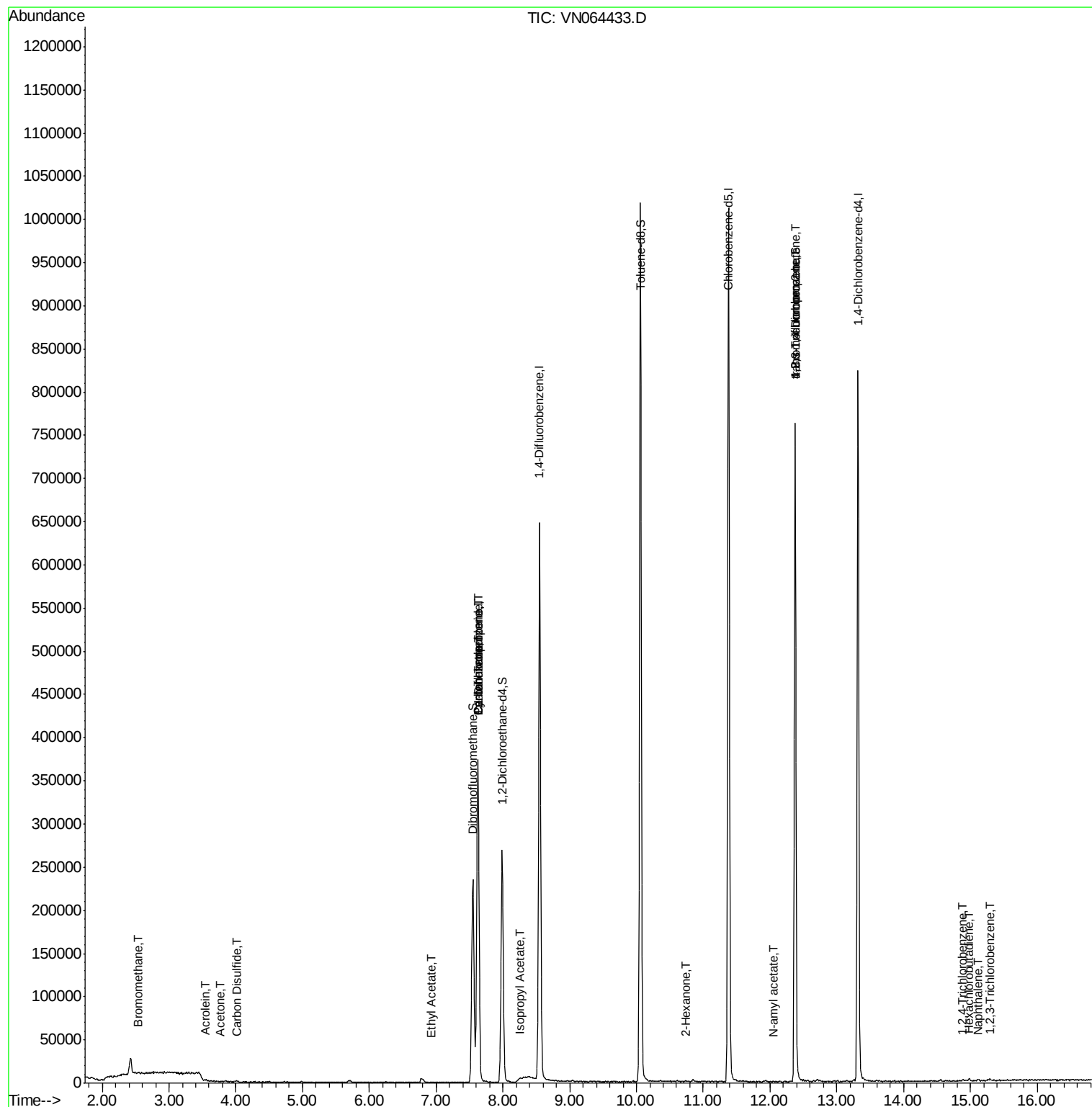
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	778	0.280	ug/l #	71
13) Acrolein	3.56	56	525	1.643	ug/l #	70
16) Acetone	3.78	43	623	0.350	ug/l #	48
17) Carbon Disulfide	4.01	76	2228	0.260	ug/l #	76
31) Cyclohexane	7.63	56	8428	1.484	ug/l #	41
36) 1,1-Dichloropropene	7.62	75	24531	4.391	ug/l #	53
37) Ethyl Acetate	6.92	43	60	0.773	ug/l #	71
38) Carbon Tetrachloride	7.63	117	31356	5.252	ug/l #	18
43) Isopropyl Acetate	8.24	43	2451	0.271	ug/l #	64
59) 2-Hexanone	10.73	43	524	4.148	ug/l #	36
74) N-amyl acetate	12.06	43	180	1.237	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	147115	29.733	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	147115	83.019	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	217	2.727	ug/l #	2
94) Hexachlorobutadiene	14.99	225	621	0.463	ug/l #	59
95) Naphthalene	15.11	128	1521	3.749	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	412	2.898	ug/l #	56

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

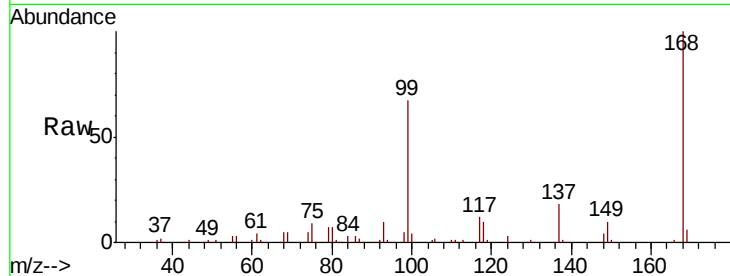
ClientSampled :

Tot Ion:168 Resp: 268233

Ion Ratio Lower Upper

168 100

99 67.2 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

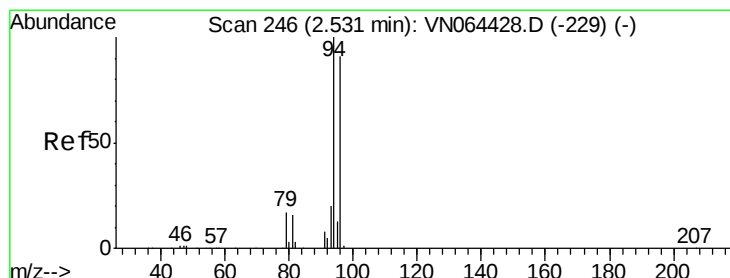
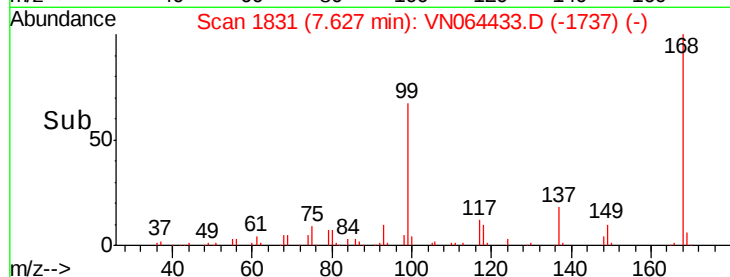
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.280 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064433.D

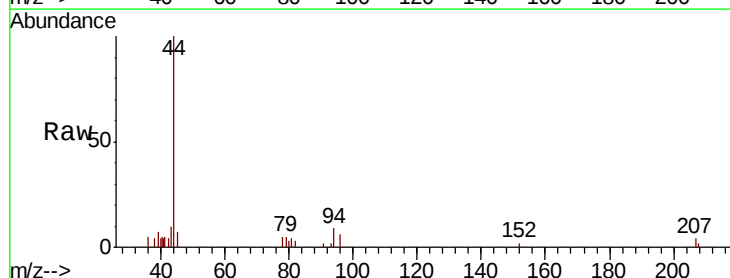
Acq: 4 Nov 2020 13:45

Tgt Ion: 94 Resp: 778

Ion Ratio Lower Upper

94 100

96 64.2 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VN064428.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN064428.D (-229) (-)

2.54

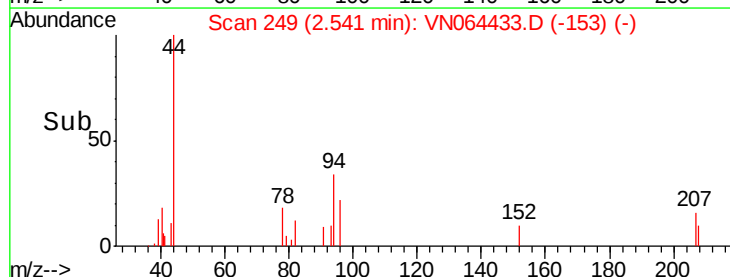
600

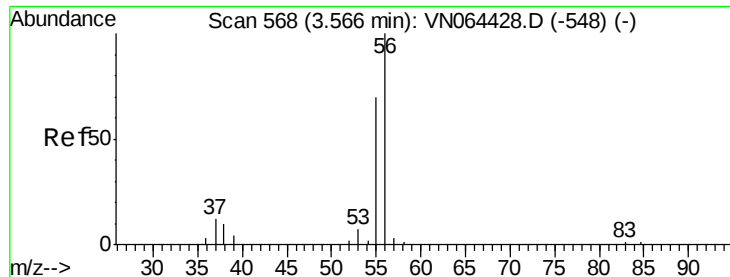
400

200

0

Time--> 2.50 2.52 2.54 2.56





#13

Acrolein

Concen: 1.643 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

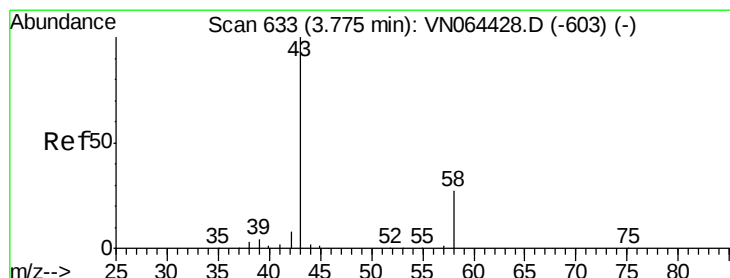
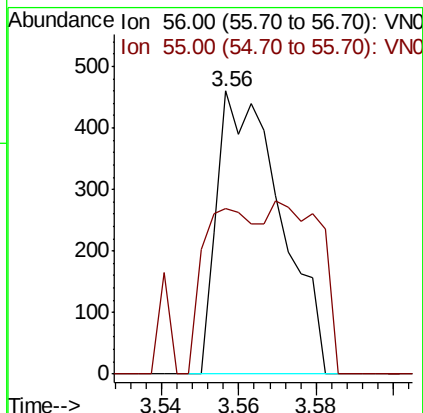
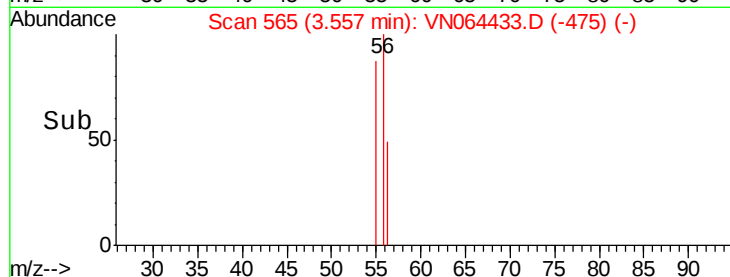
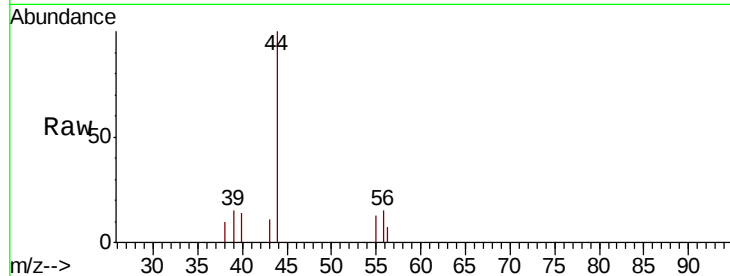
ClientSampled :

Tot Ion: 56 Resp: 525

Ion Ratio Lower Upper

56 100

55 45.5 55.9 83.9#



#16

Acetone

Concen: 0.350 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064433.D

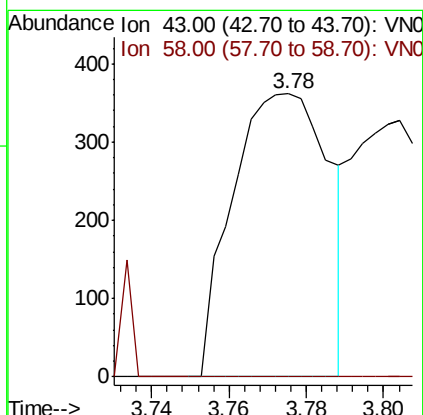
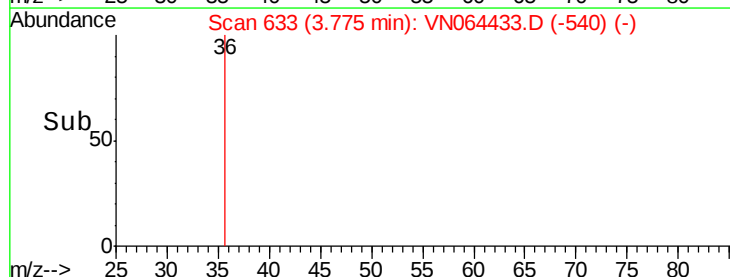
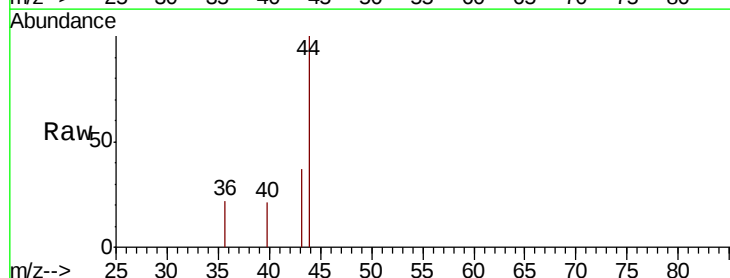
Acq: 4 Nov 2020 13:45

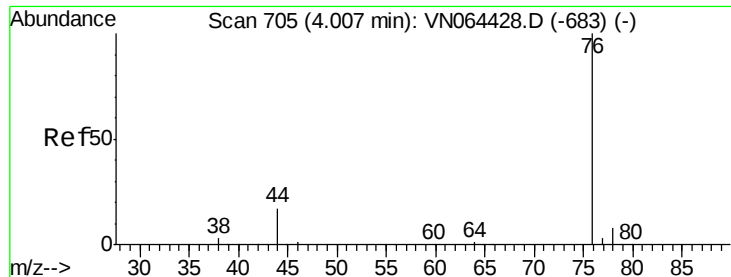
Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#

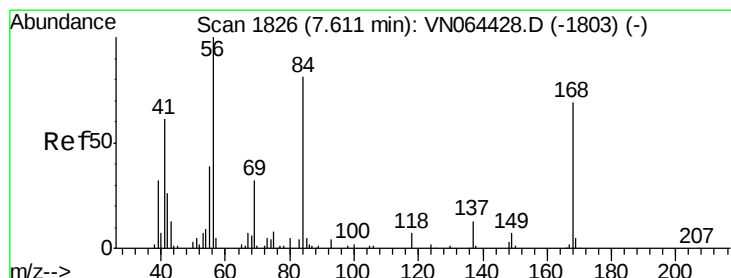
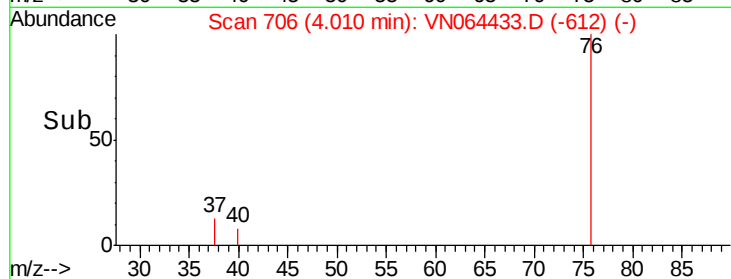
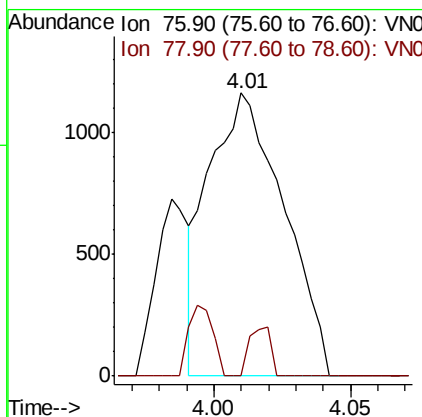
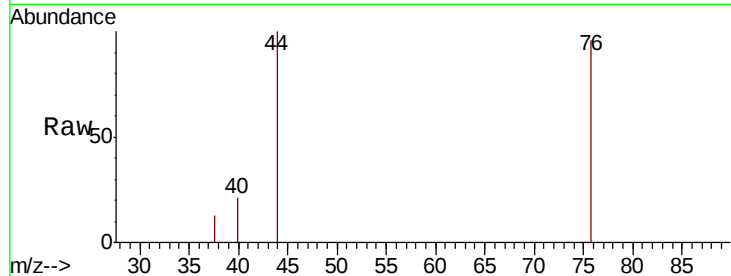




#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

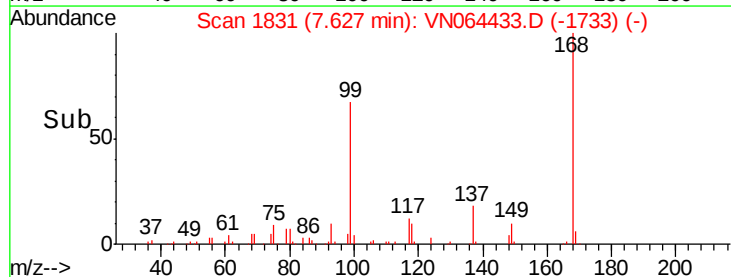
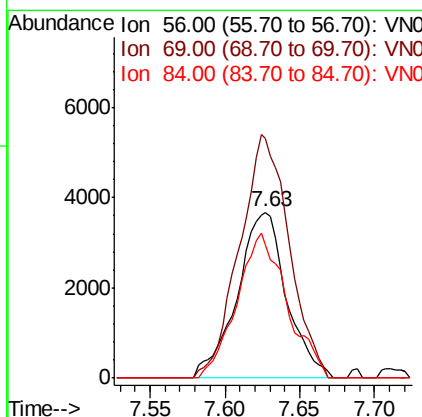
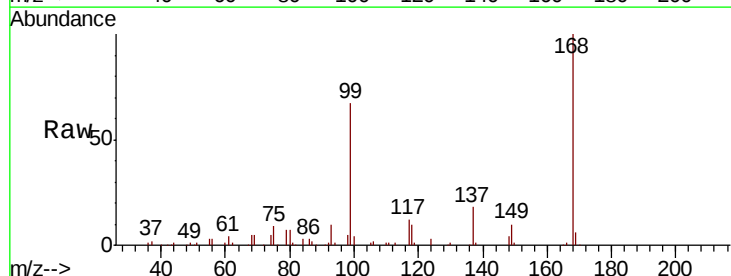
Instrument :
MSVOA_N
ClientSampled :

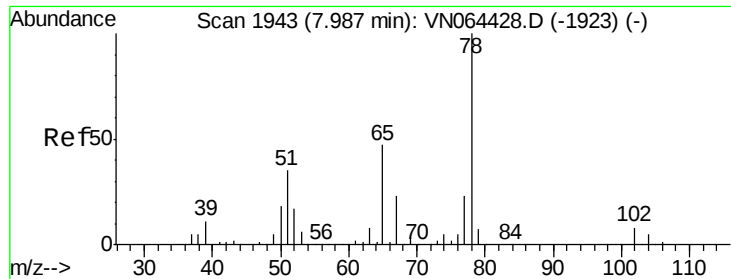
Tot Ion: 76 Resp: 2228
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Tgt Ion: 56 Resp: 8428
Ion Ratio Lower Upper
56 100
69 144.1 25.6 38.4#
84 80.1 63.0 94.6

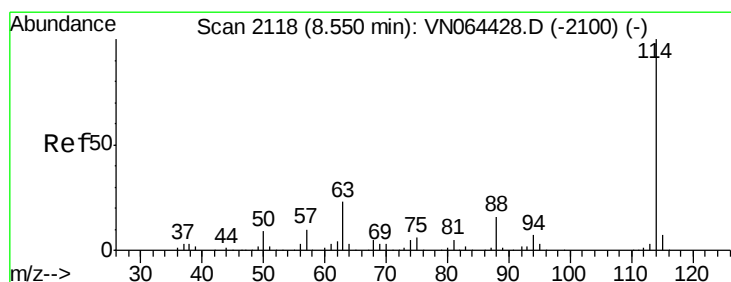
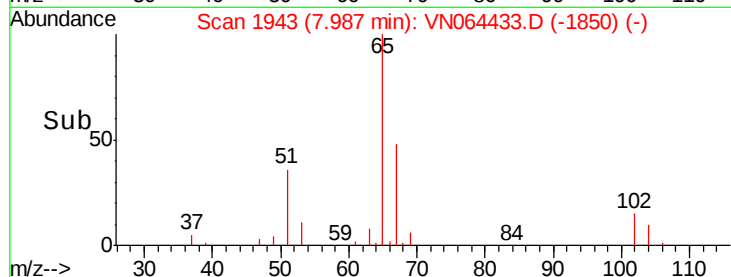
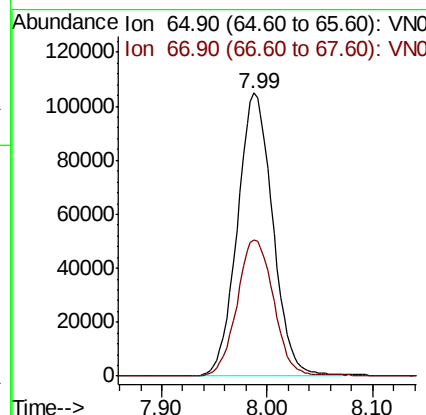
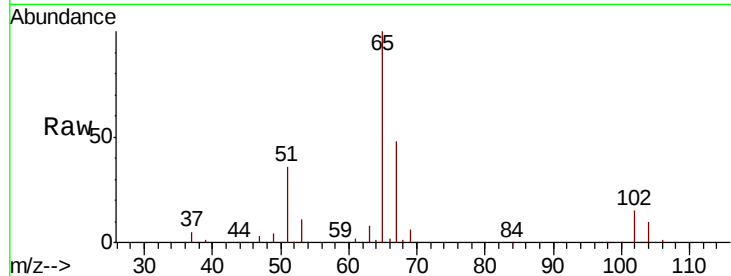




#33
 1,2-Dichloroethane-d4
 Concen: 52.339 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064433.D
 Acq: 4 Nov 2020 13:45

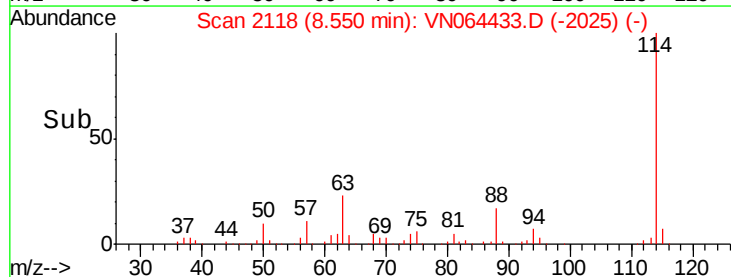
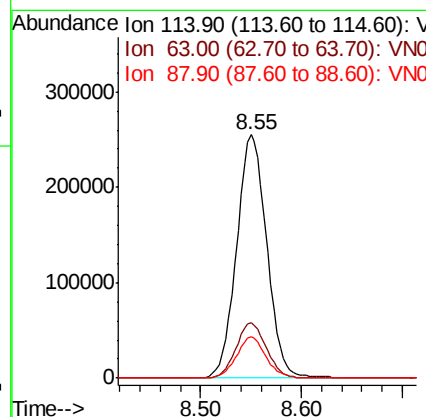
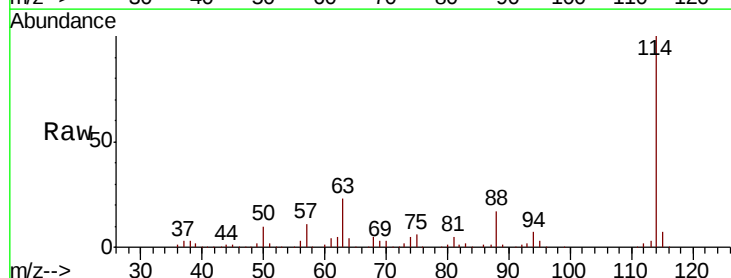
Instrument :
 MSVOA_N
 ClientSampleId :

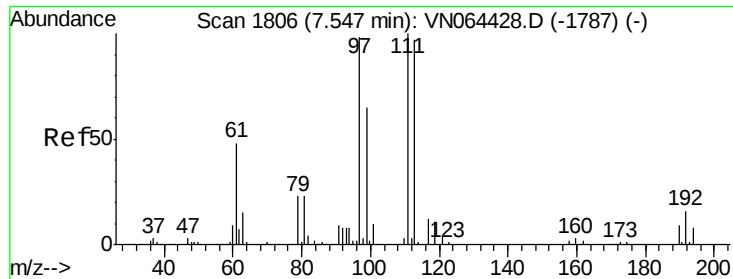
Tot Ion: 65 Resp: 244537
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064433.D
 Acq: 4 Nov 2020 13:45

Tgt Ion: 114 Resp: 528825
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 17.0 0.0 32.8

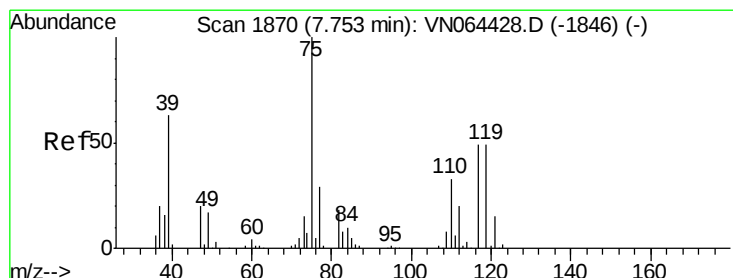
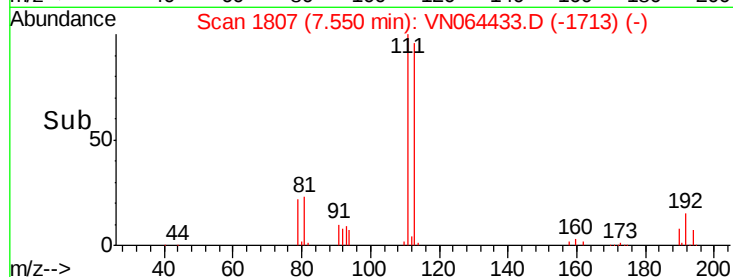
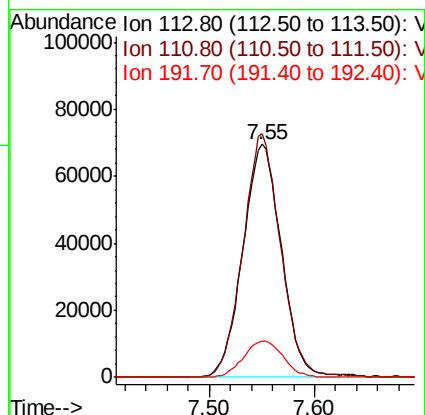
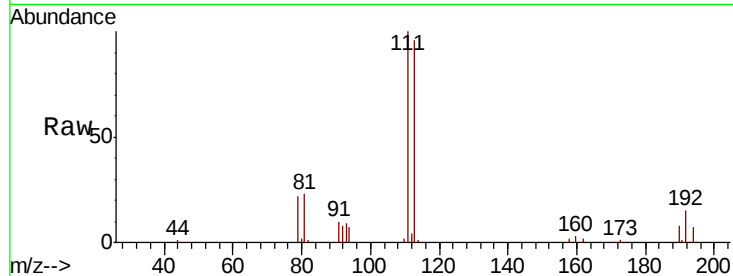




#35
 Dibromofluoromethane
 Concen: 48.988 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064433.D
 Acq: 4 Nov 2020 13:45

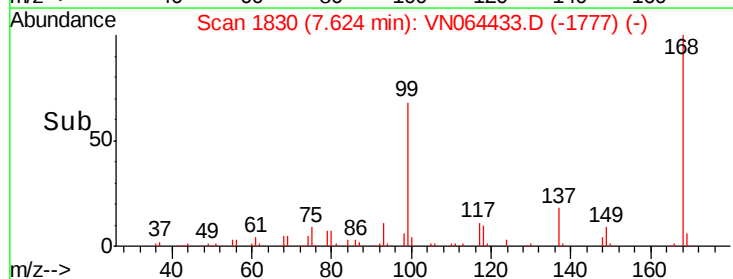
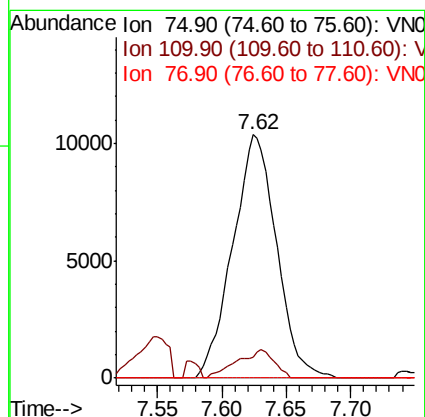
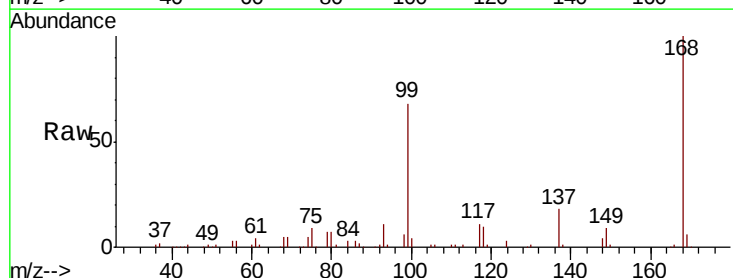
Instrument :
 MSVOA_N
 ClientSampleId :

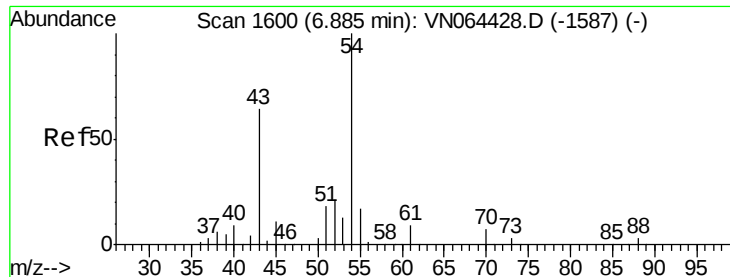
Tot Ion:113 Resp: 176384
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.1 121.7
 192 16.1 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064433.D
 Acq: 4 Nov 2020 13:45

Tgt Ion: 75 Resp: 24531
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.0 48.0#
 77 0.0 24.0 36.0#

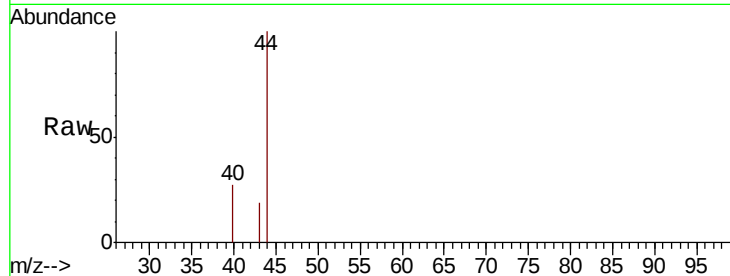




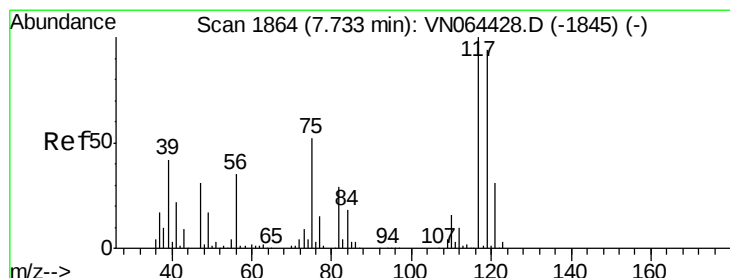
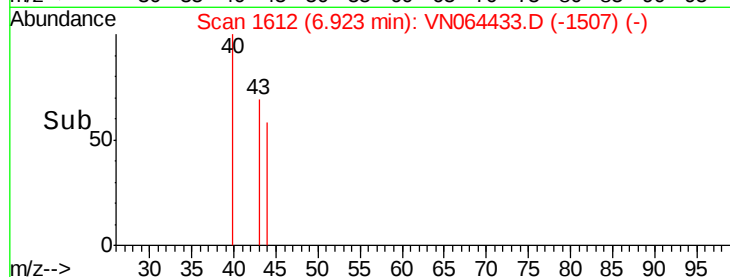
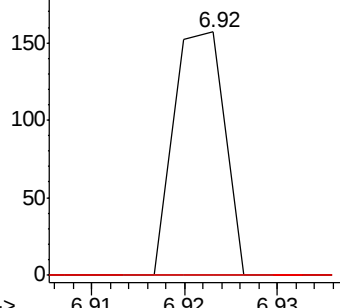
#37
Ethyl Acetate
Concen: 0.773 ug/l
RT: 6.92 min Scan# 1612
Delta R.T. 0.04 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#

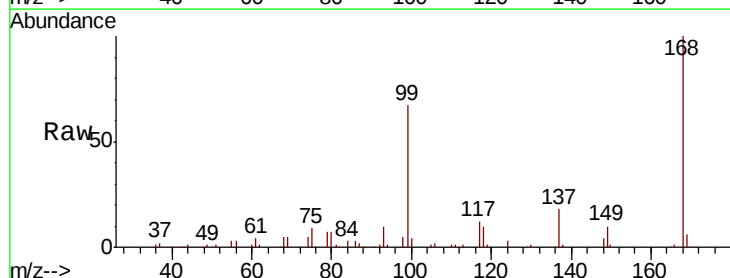


Abundance Ion 43.00 (42.70 to 43.70): VN064433.D (-1507) (-)
Ion 60.90 (60.60 to 61.60): VN064433.D (-1507) (-)
Ion 70.00 (69.70 to 70.70): VN064433.D (-1507) (-)

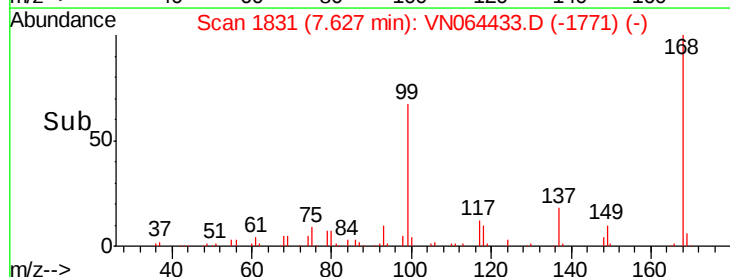
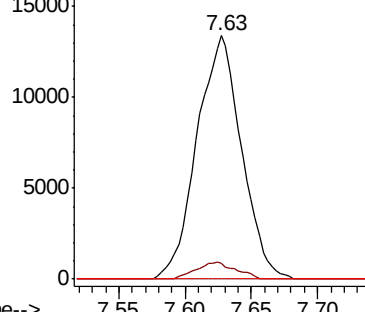


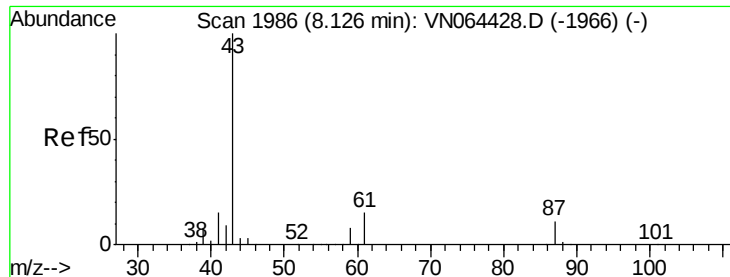
#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Tgt Ion: 117 Resp: 31356
Ion Ratio Lower Upper
117 100
119 6.3 75.5 113.3#
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): VN064433.D (-1771) (-)
Ion 118.80 (118.50 to 119.50): VN064433.D (-1771) (-)
Ion 120.80 (120.50 to 121.50): VN064433.D (-1771) (-)





#43

Isopropyl Acetate

Concen: 0.271 ug/l

RT: 8.24 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

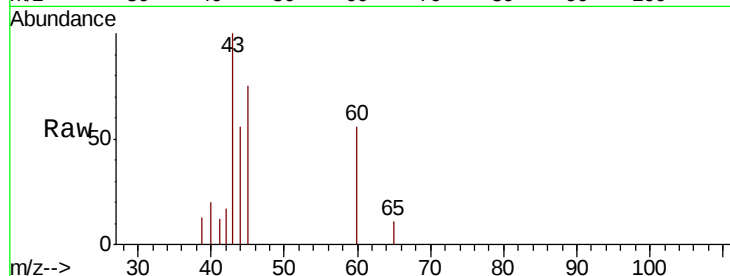
Tot Ion: 43 Resp: 2451

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

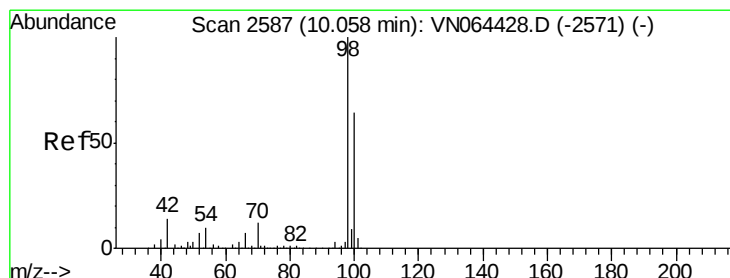
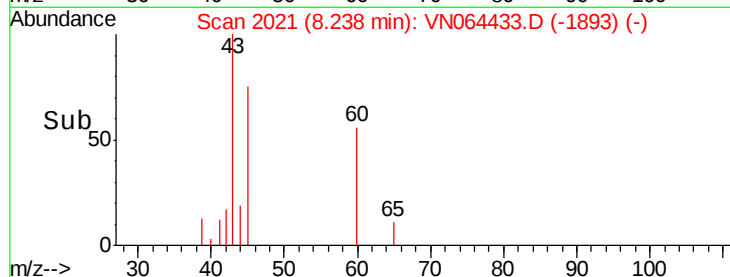
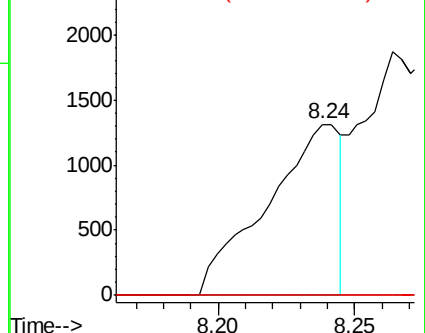
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#50

Toluene-d8

Concen: 49.092 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064433.D

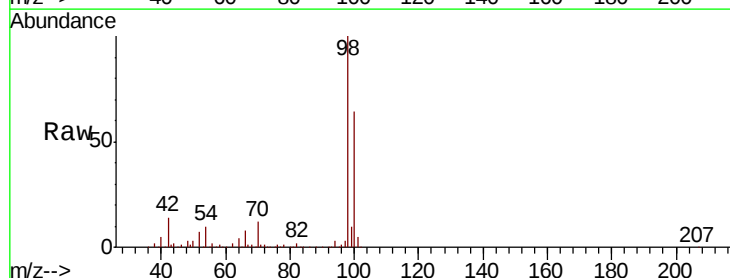
Acq: 4 Nov 2020 13:45

Tgt Ion: 98 Resp: 683172

Ion Ratio Lower Upper

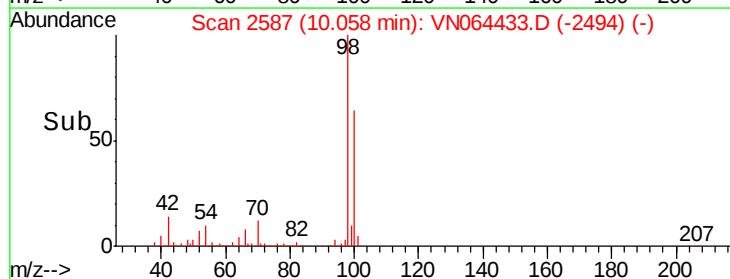
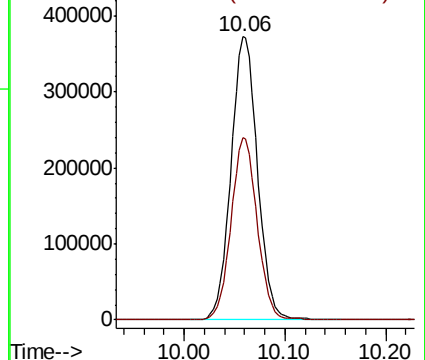
98 100

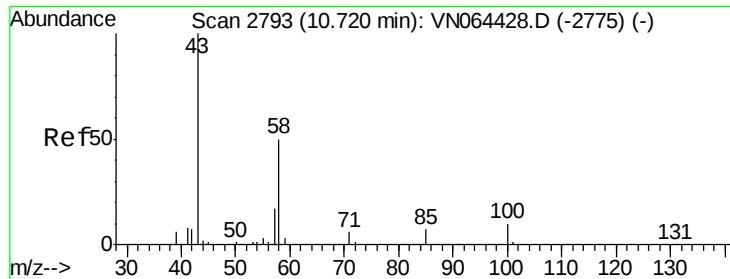
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#59

2-Hexanone

Concen: 4.148 ug/l

RT: 10.73 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

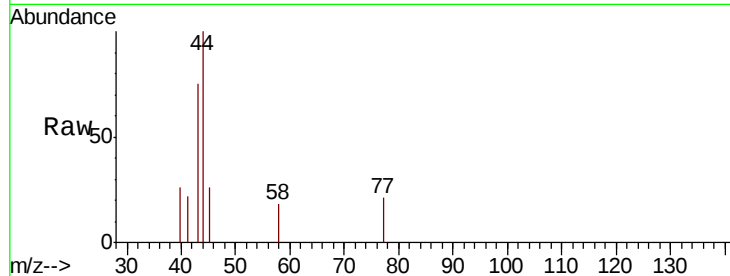
ClientSampled :

Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

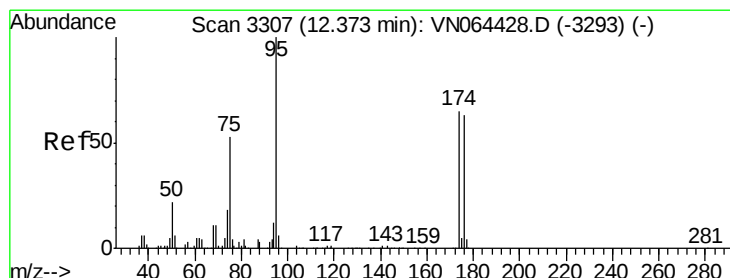
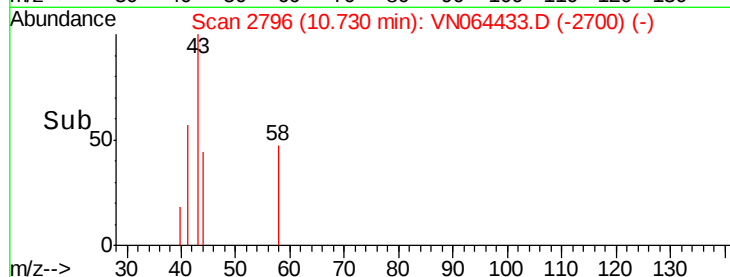
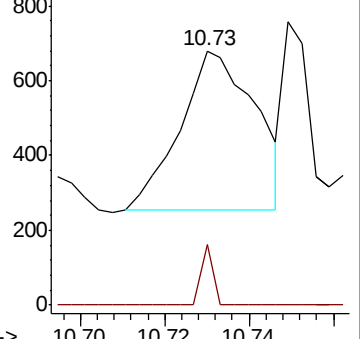
43 100

58 5.9 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.361 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

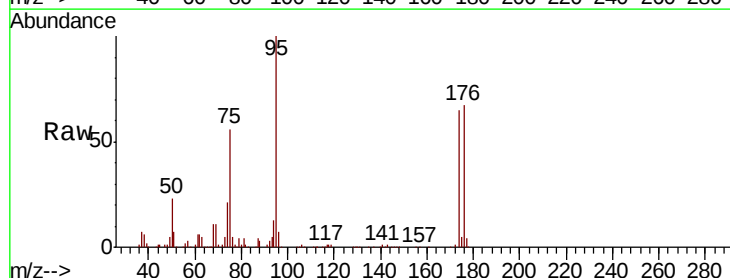
Tgt Ion: 95 Resp: 265046

Ion Ratio Lower Upper

95 100

174 67.8 0.0 132.6

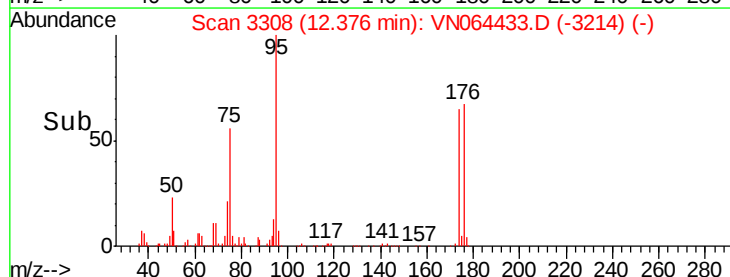
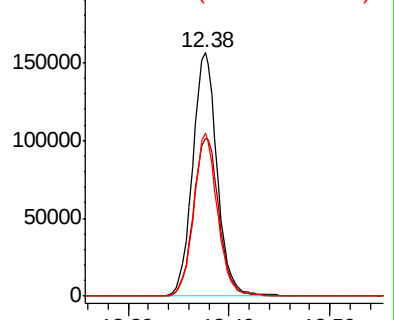
176 64.6 0.0 129.2

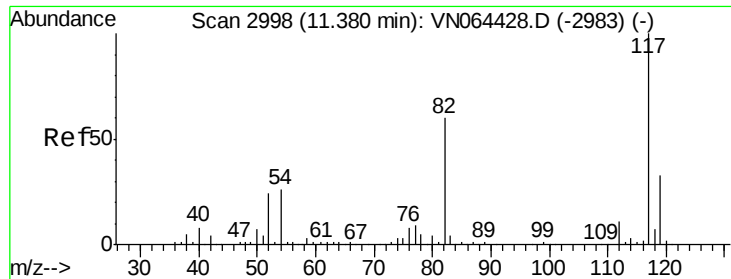


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

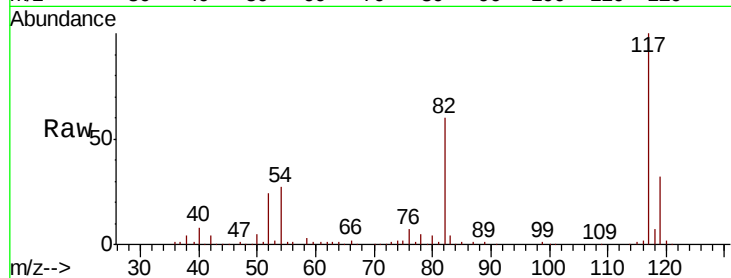




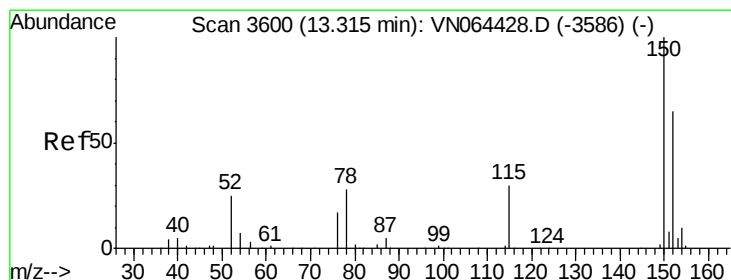
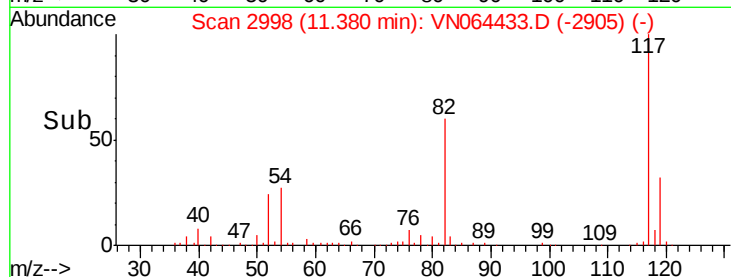
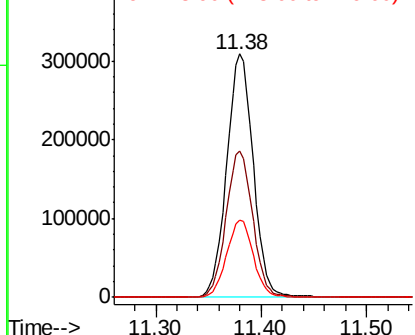
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 537301
Ion Ratio Lower Upper
117 100
82 60.1 48.1 72.1
119 31.8 26.2 39.4

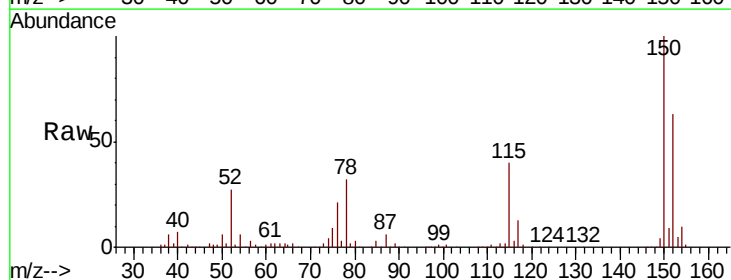


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

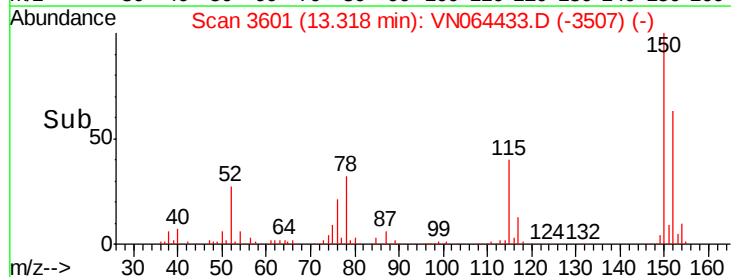
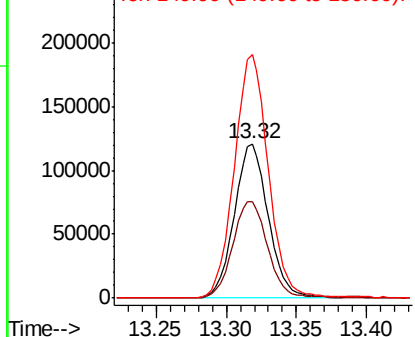


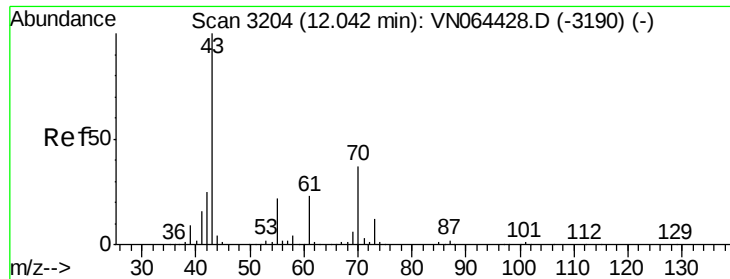
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Tgt Ion:152 Resp: 204209
Ion Ratio Lower Upper
152 100
115 64.0 32.0 96.0
150 157.6 0.0 353.8



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-amvl acetate

Concen: 1.237 ug/l

RT: 12.06 min Scan# 3210

Delta R.T. 0.02 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 180

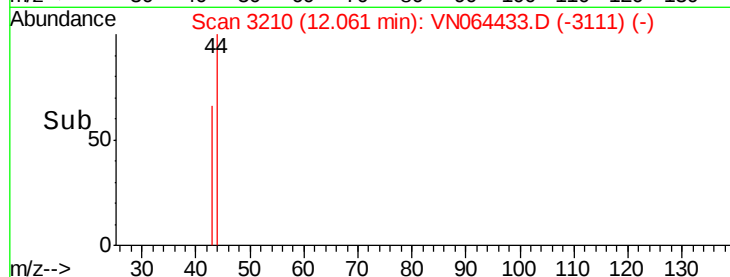
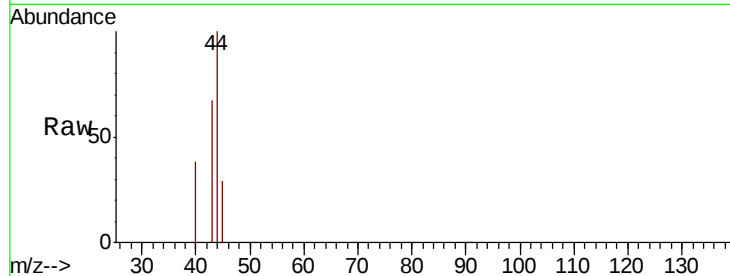
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

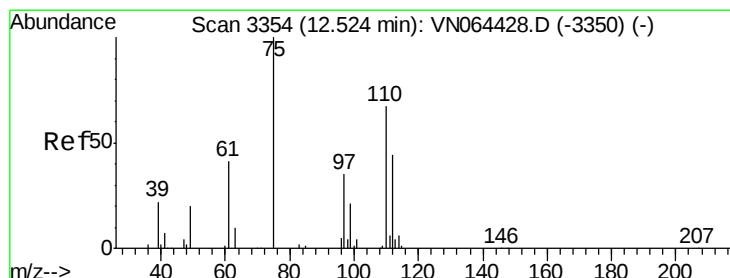
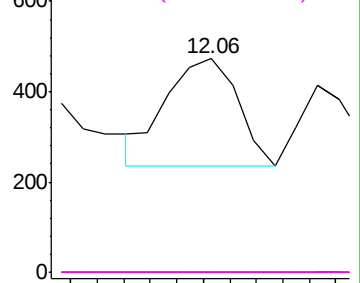


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.733 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064433.D

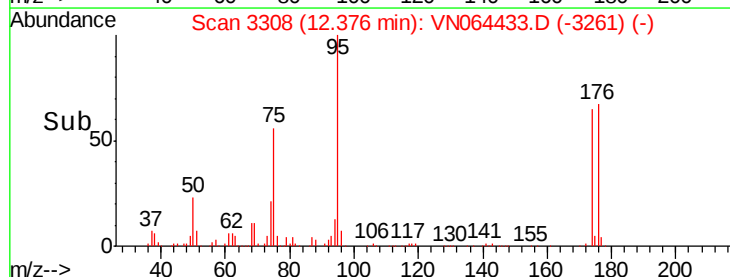
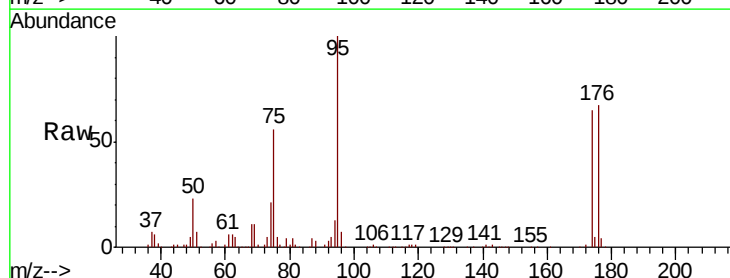
Acq: 4 Nov 2020 13:45

Tgt Ion: 75 Resp: 147115

Ion Ratio Lower Upper

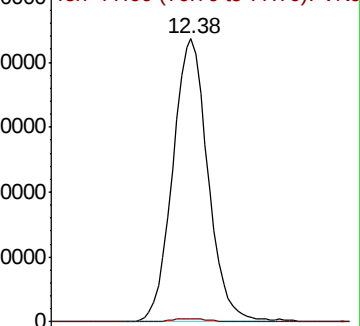
75 100

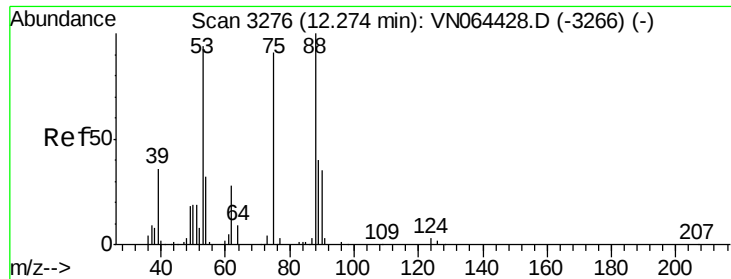
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

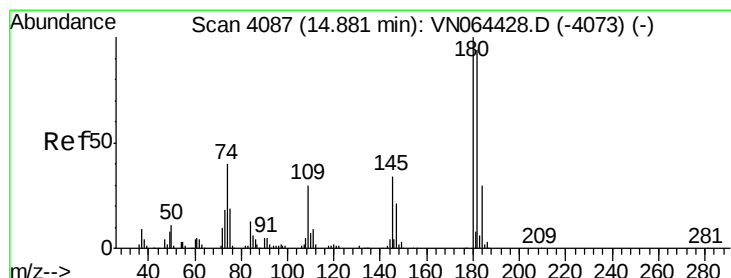
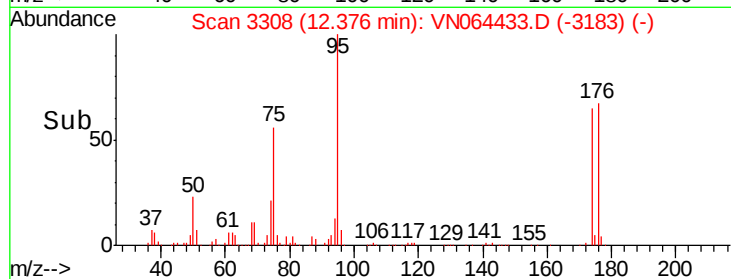
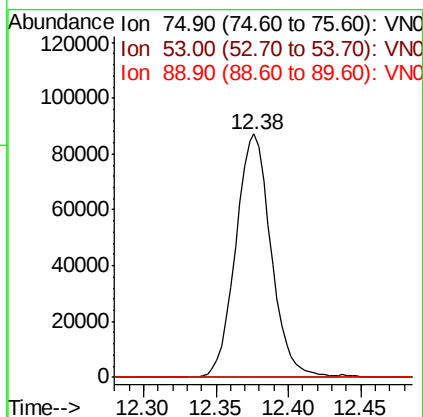
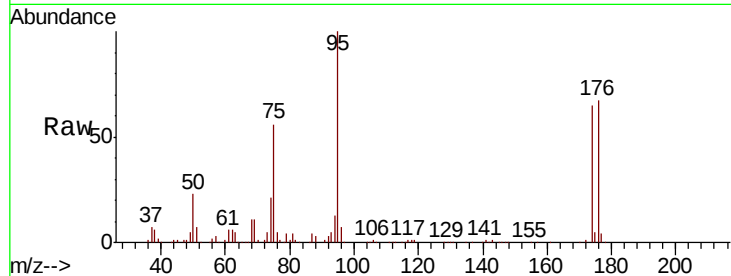




#81
trans-1,4-Dichloro-2-butene
Concen: 83.019 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

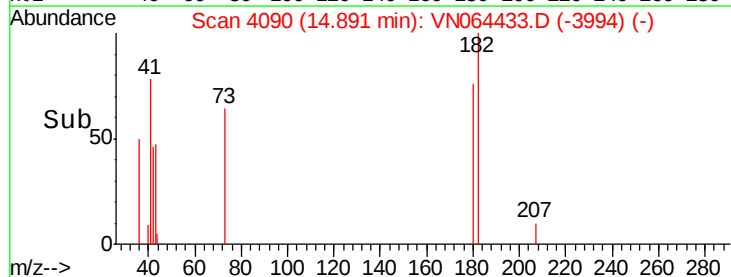
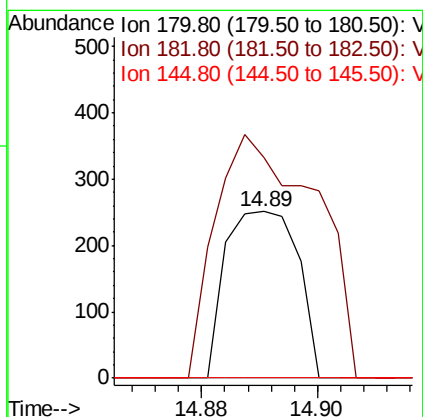
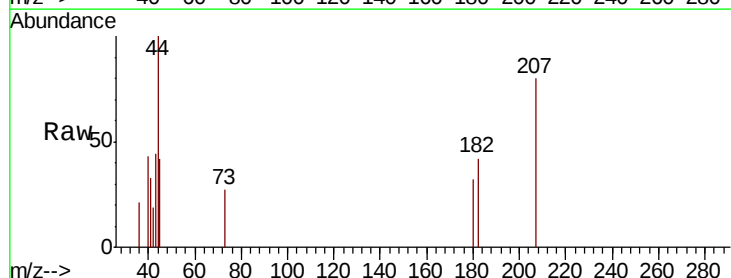
Instrument :
MSVOA_N
ClientSampleId :

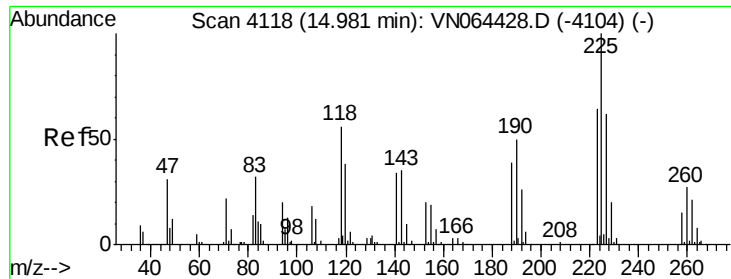
Tot Ion: 75 Resp: 147115
Ion Ratio Lower Upper
75 100
53 0.0 84.0 126.0#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.727 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN064433.D
Acq: 4 Nov 2020 13:45

Tgt Ion: 180 Resp: 217
Ion Ratio Lower Upper
180 100
182 202.8 47.3 142.0#
145 0.0 16.7 50.1#





#94

Hexachlorobutadiene

Concen: 0.463 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

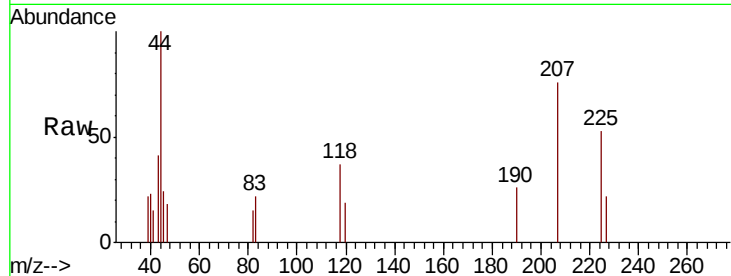
Tot Ion:225 Resp: 621

Ion Ratio Lower Upper

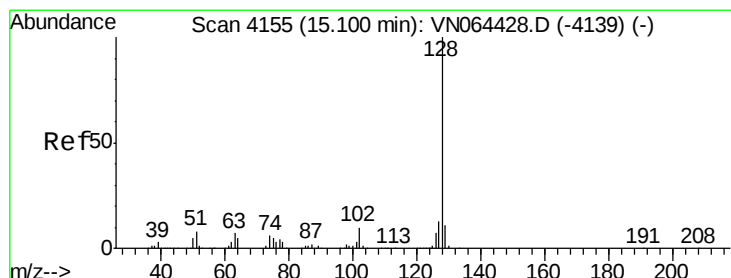
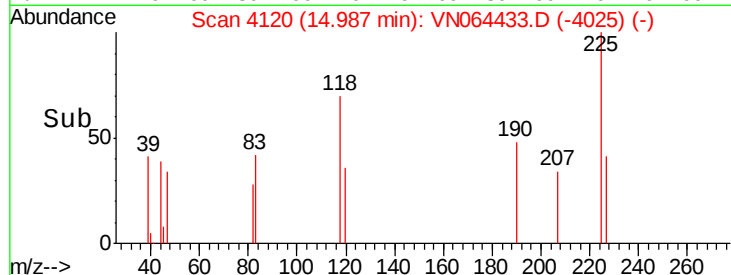
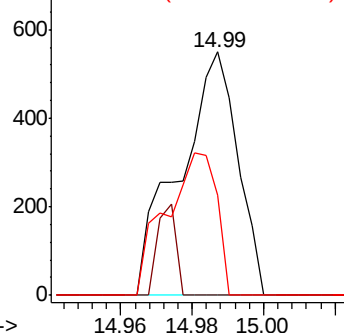
225 100

223 11.8 31.8 95.4#

227 50.9 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: 3.749 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064433.D

Acq: 4 Nov 2020 13:45

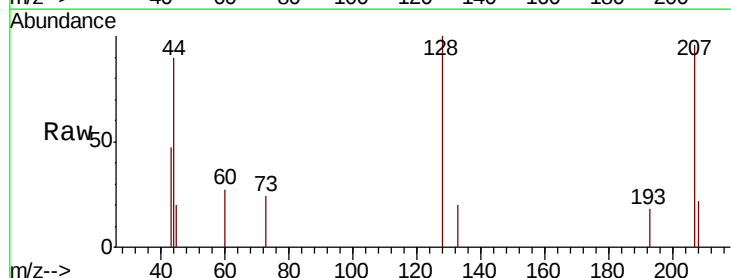
Tgt Ion:128 Resp: 1521

Ion Ratio Lower Upper

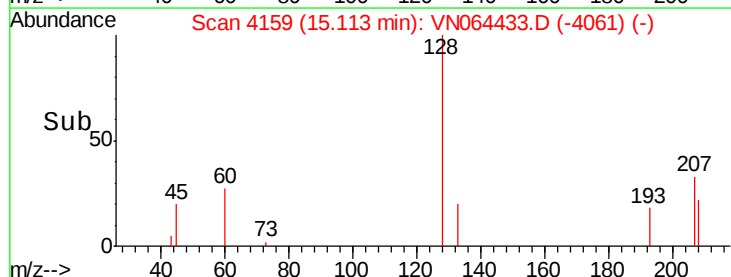
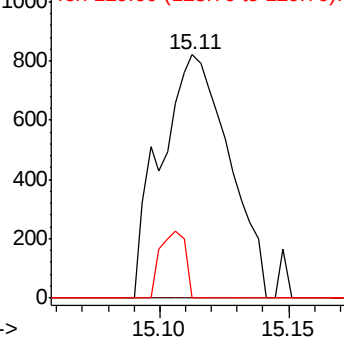
128 100

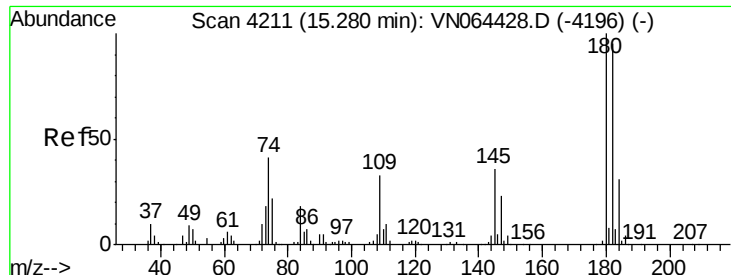
127 0.0 10.5 15.7#

129 10.0 8.8 13.2



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

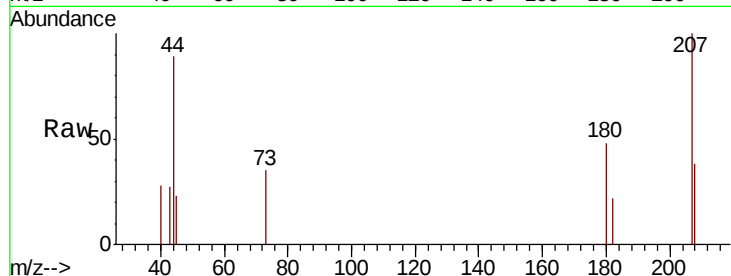




#96
 1,2,3-Trichlorobenzene
 Concen: 2.898 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN064433.D
 Acq: 4 Nov 2020 13:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 412
 Ion Ratio Lower Upper
 180 100
 182 58.7 47.7 143.1
 145 0.0 18.3 54.8#



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

