

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063795.D
 Acq On : 2 Oct 2020 1:44
 Operator : JC/MD
 Sample : L4236-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Oct 02 04:25:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	403519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162341	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	187732	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
35) Dibromofluoromethane	7.55	113	130245	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	10.06	98	505364	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.38	95	195411	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	

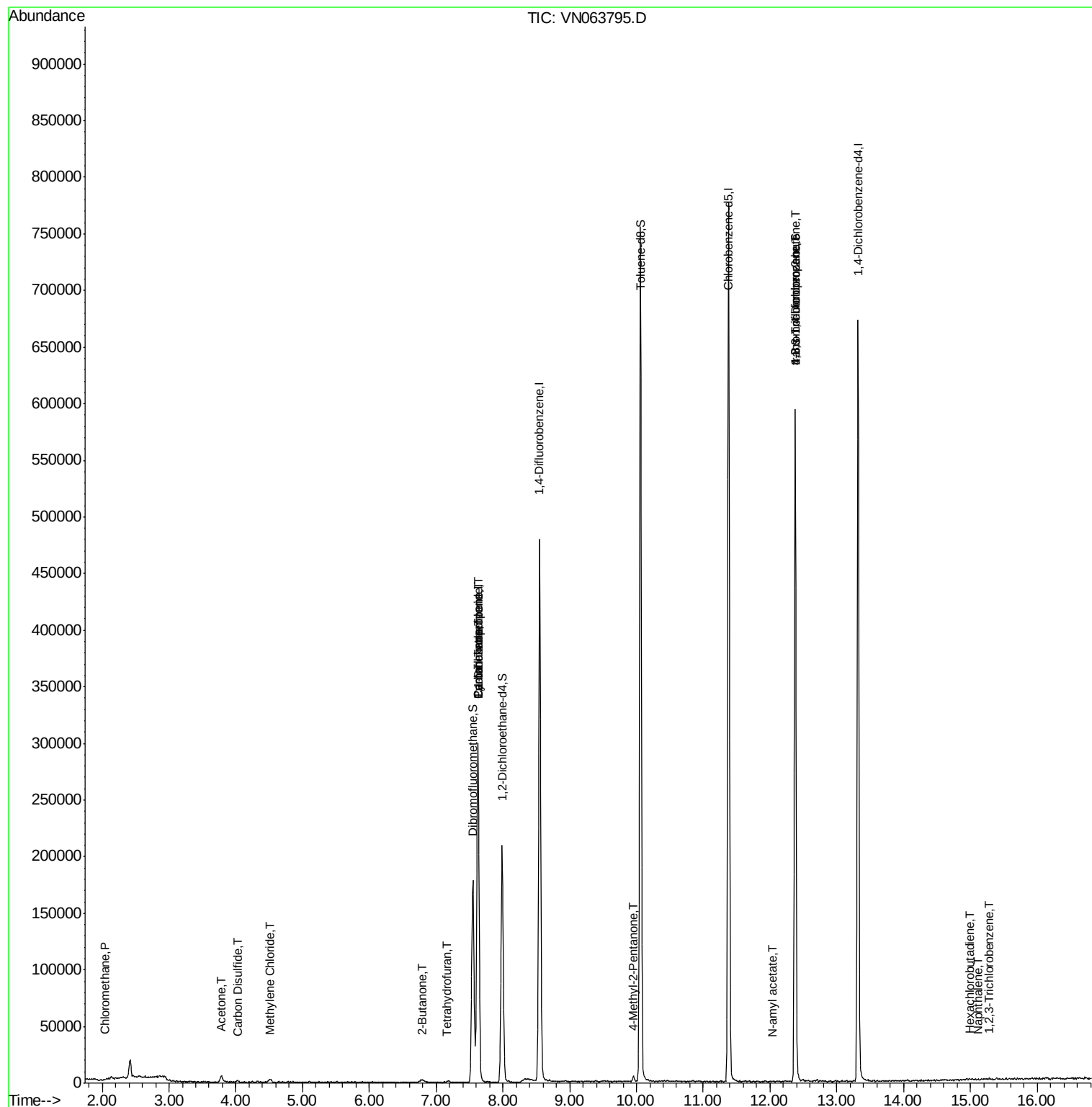
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	553	0.209	ug/l #	42
16) Acetone	3.79	43	8847	8.134	ug/l	92
17) Carbon Disulfide	4.02	76	1242	0.911	ug/l #	76
20) Methylene Chloride	4.51	84	1780	0.811	ug/l	94
25) 2-Butanone	6.79	43	1092	0.708	ug/l	91
29) Tetrahydrofuran	7.17	42	707	0.684	ug/l #	56
31) Cyclohexane	7.62	56	6045	1.474	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	19840	5.033	ug/l #	52
38) Carbon Tetrachloride	7.63	117	24718	5.592	ug/l #	14
51) 4-Methyl-2-Pentanone	9.95	43	3731	0.984	ug/l	90
74) N-amyl acetate	12.03	43	269	2.263	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	112841	31.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112841	90.817	ug/l #	6
94) Hexachlorobutadiene	14.99	225	272	0.259	ug/l #	19
95) Naphthalene	15.10	128	335	1.961	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	59	1.589	ug/l #	35

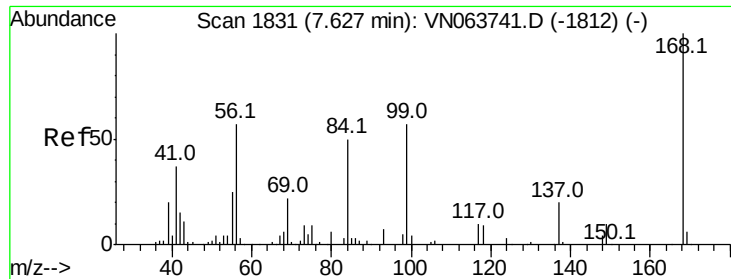
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
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MSVOA_N
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Quant Time: Oct 02 04:25:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

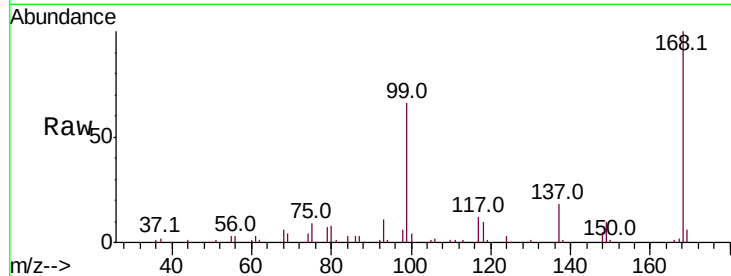
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Tot Ion:168 Resp: 213858

Ion Ratio Lower Upper

168 100

99 66.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

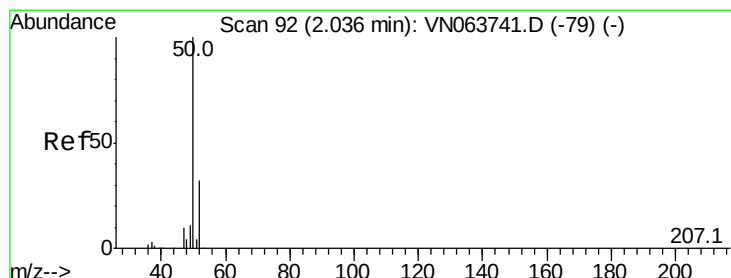
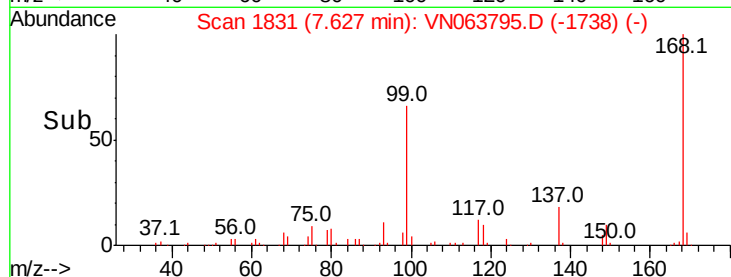
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.209 ug/l

RT: 2.03 min Scan# 90

Delta R.T. -0.01 min

Lab File: VN063795.D

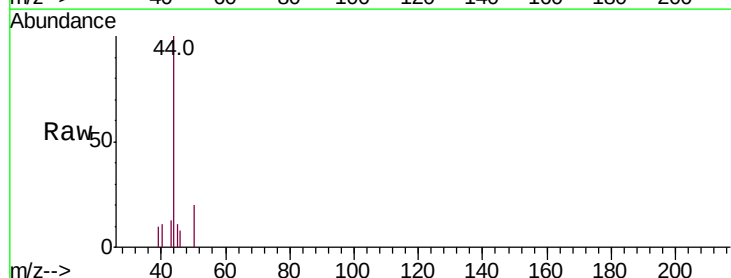
Acq: 2 Oct 2020 1:44

Tgt Ion: 50 Resp: 553

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

400

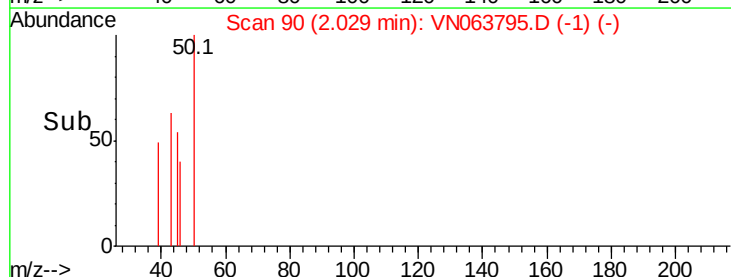
300

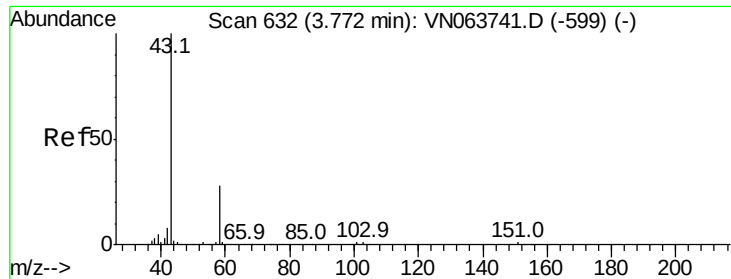
200

100

0

Time--> 2.00 2.02 2.04 2.06

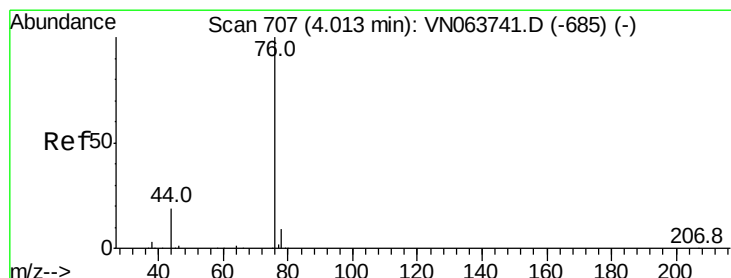
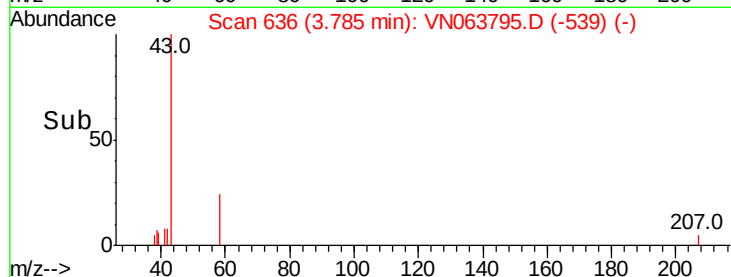
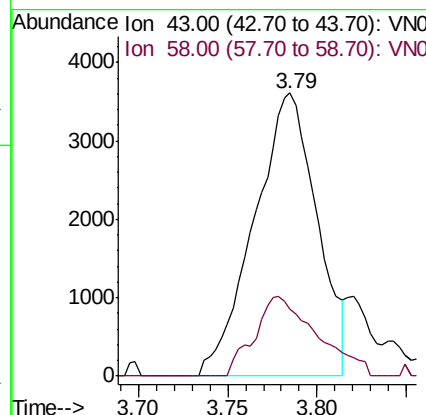
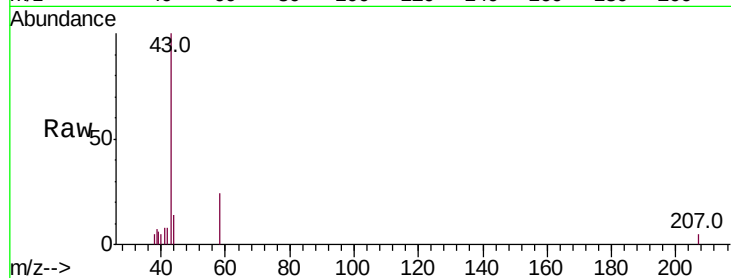




#16
Acetone
Concen: 8.134 ug/l
RT: 3.79 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

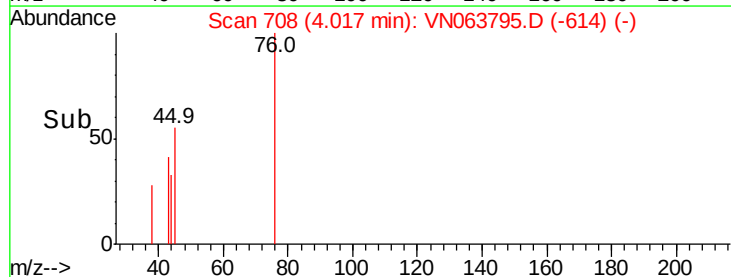
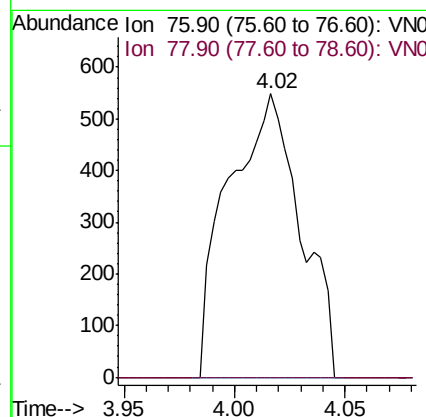
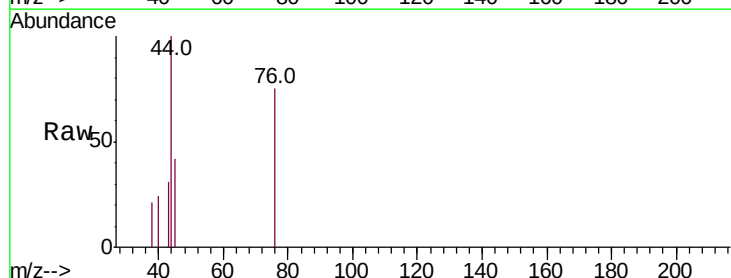
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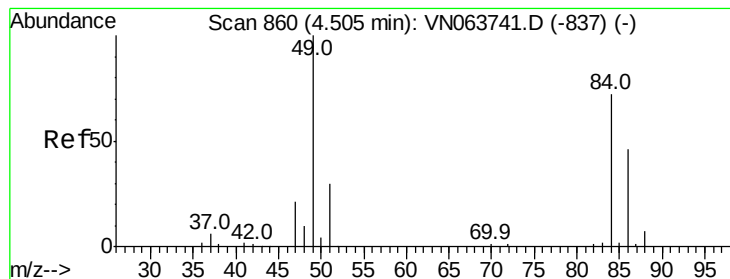
Tot Ion: 43 Resp: 8847
Ion Ratio Lower Upper
43 100
58 23.6 22.3 33.5



#17
Carbon Disulfide
Concen: 0.911 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

Tgt Ion: 76 Resp: 1242
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#20

Methvlene Chloride

Concen: 0.811 ug/l

RT: 4.51 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

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Tot Ion: 84 Resp: 1780

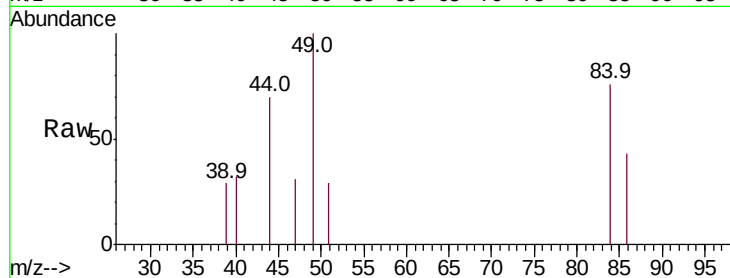
Ion Ratio Lower Upper

84 100

49 131.6 110.4 165.6

51 38.0 33.3 49.9

86 57.1 50.7 76.1

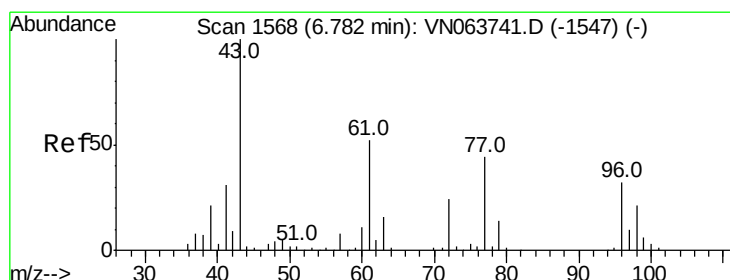
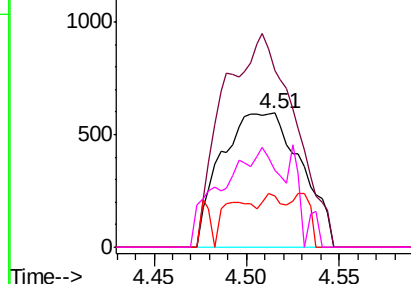
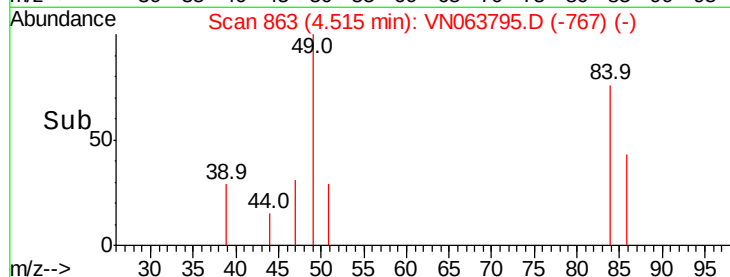


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#25

2-Butanone

Concen: 0.708 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063795.D

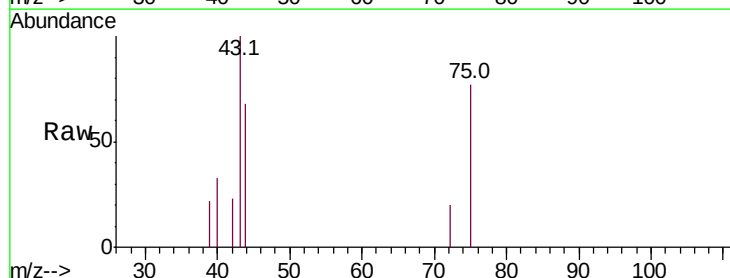
Acq: 2 Oct 2020 1:44

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

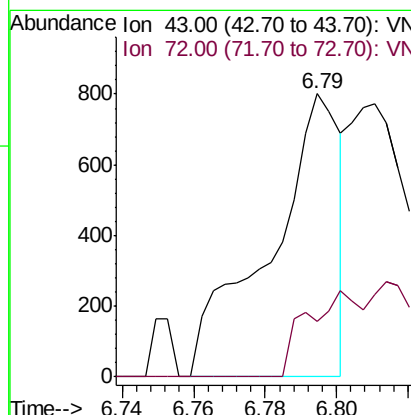
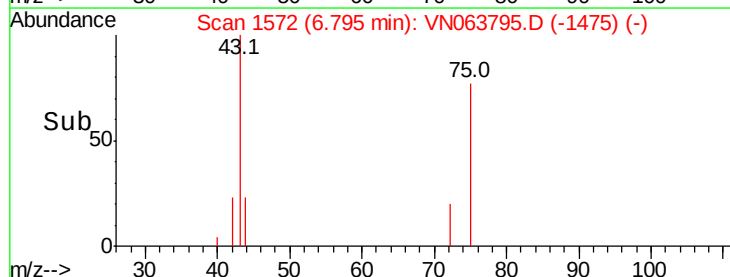
43 100

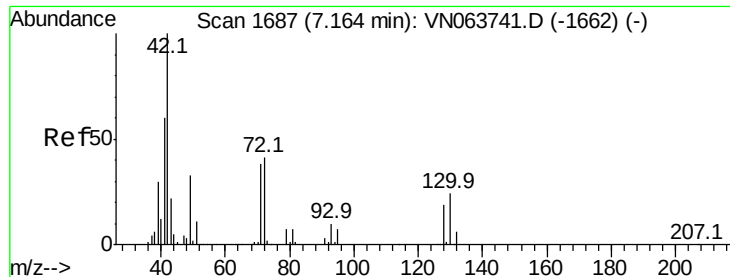
72 19.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.684 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

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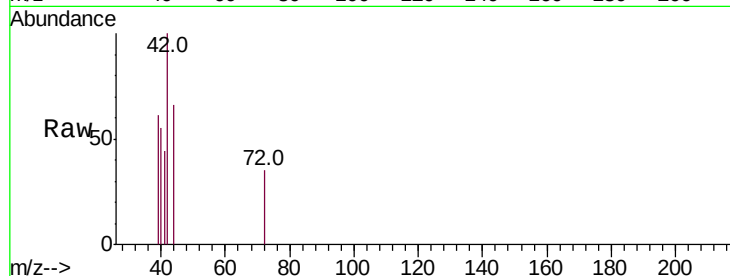
Tot Ion: 42 Resp: 707

Ion Ratio Lower Upper

42 100

72 24.3 32.8 49.2#

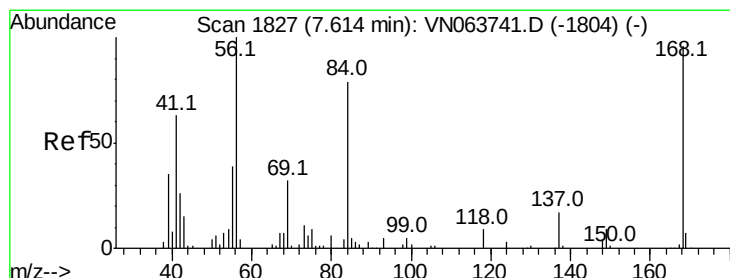
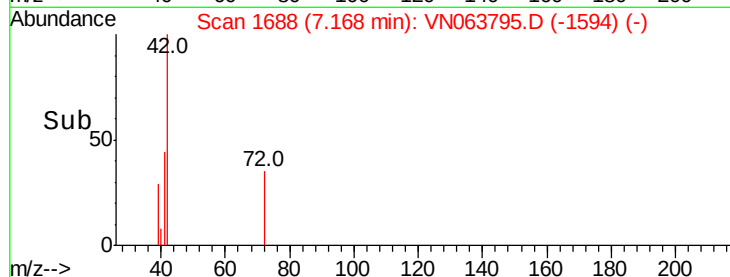
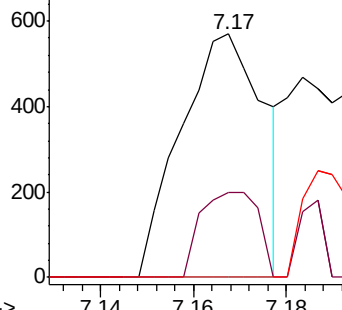
71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: 1.474 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

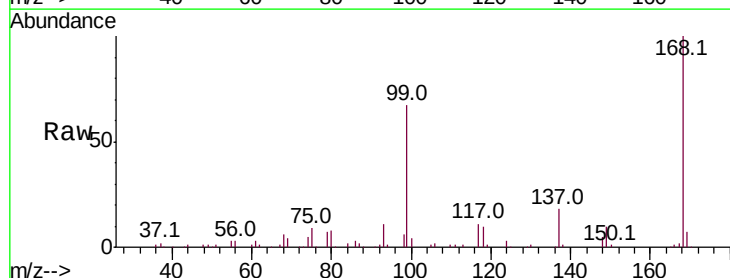
Tgt Ion: 56 Resp: 6045

Ion Ratio Lower Upper

56 100

69 160.1 25.4 38.2#

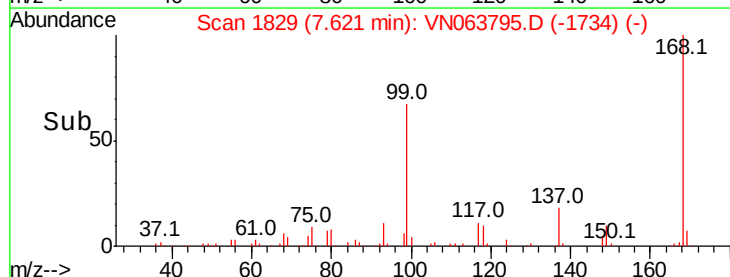
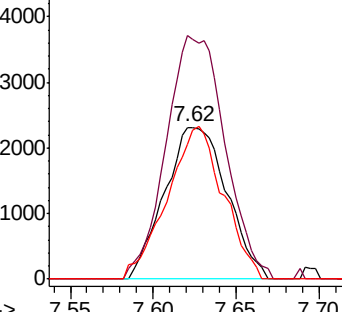
84 88.4 63.3 94.9

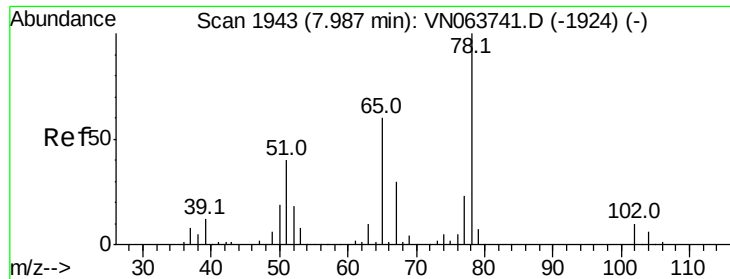


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

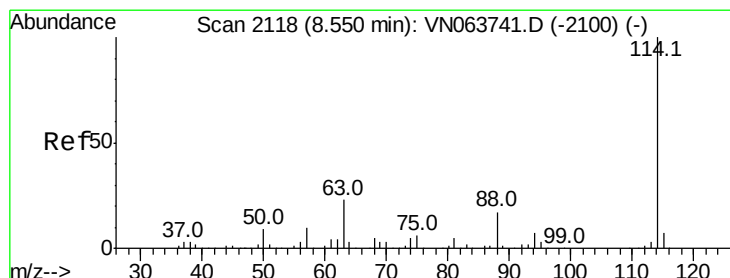
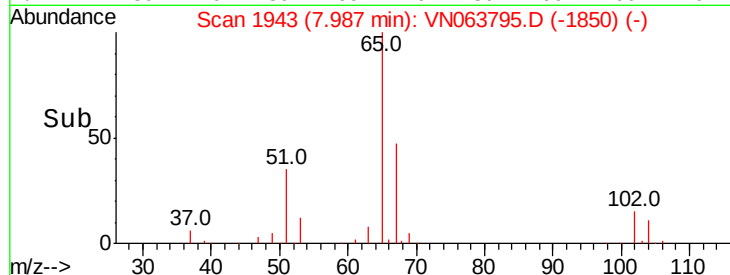
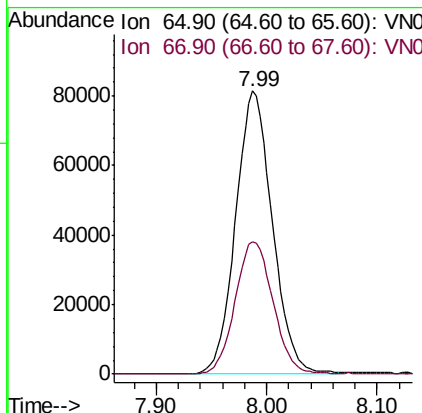
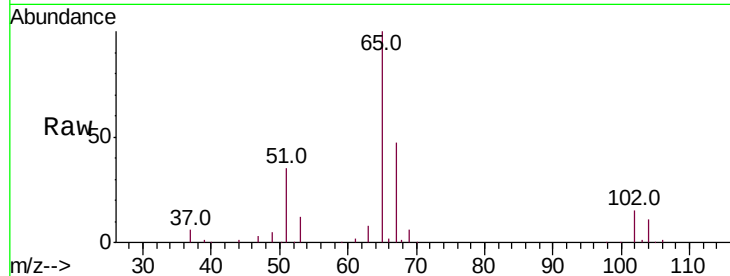




#33
 1,2-Dichloroethane-d4
 Concen: 53.136 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

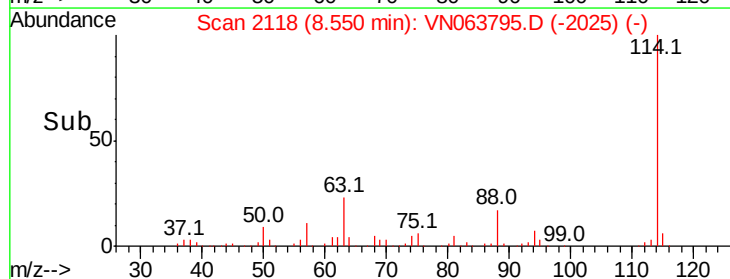
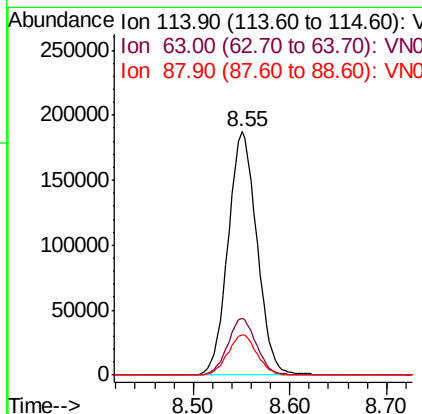
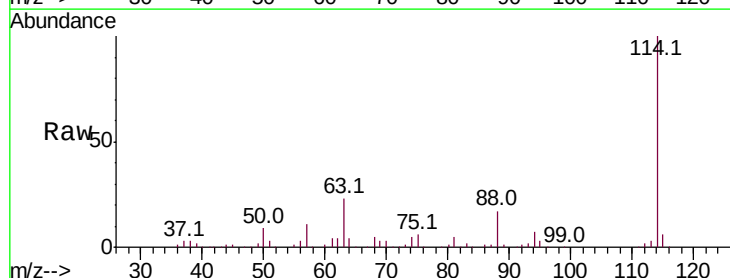
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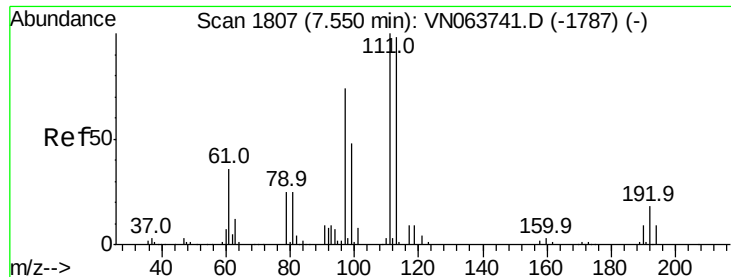
Tot Ion: 65 Resp: 187732
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

Tgt Ion: 114 Resp: 389102
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 16.6 0.0 34.0

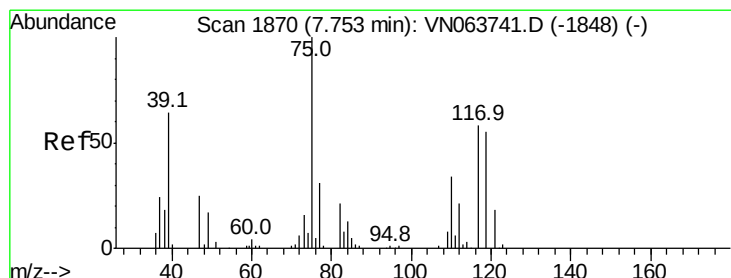
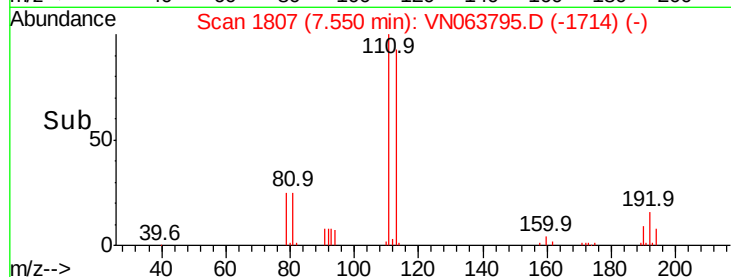
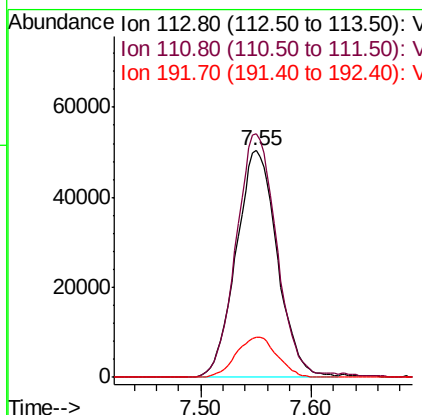
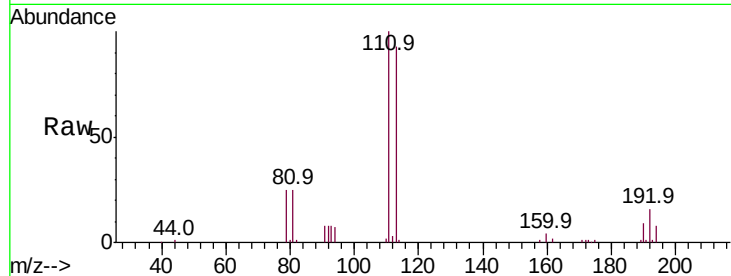




#35
 Dibromofluoromethane
 Concen: 48.241 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

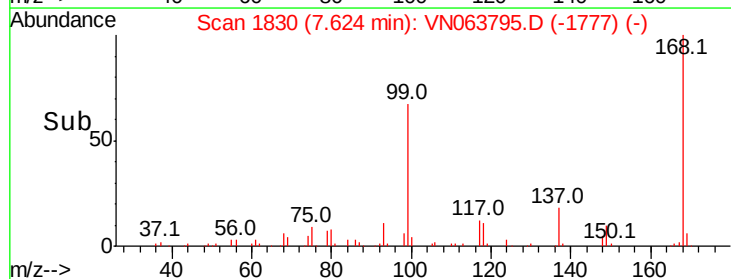
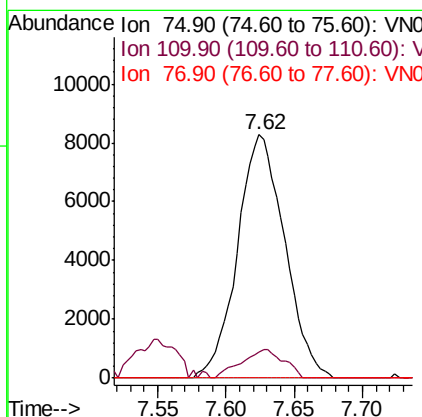
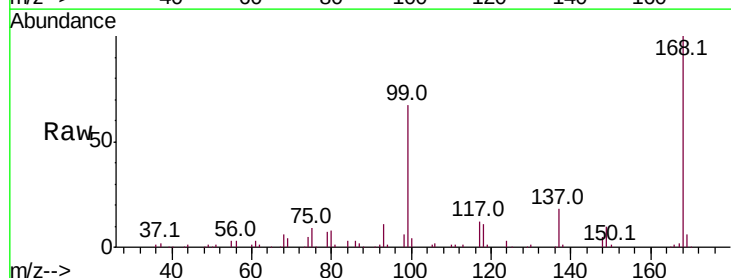
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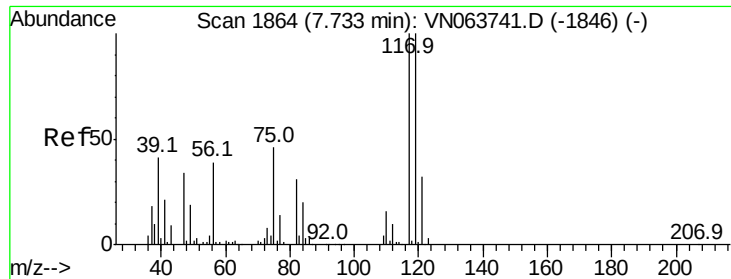
Tot Ion:113 Resp: 130245
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.8 122.8
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

Tgt Ion: 75 Resp: 19840
 Ion Ratio Lower Upper
 75 100
 110 10.6 16.9 50.6#
 77 0.0 24.5 36.7#

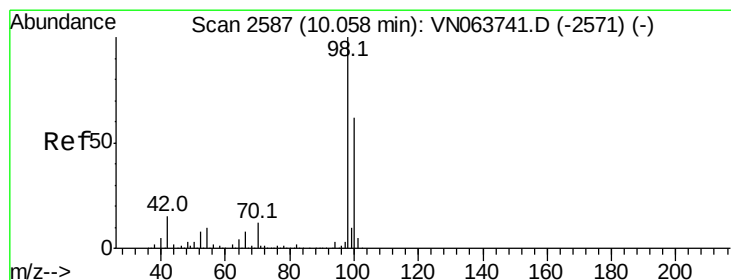
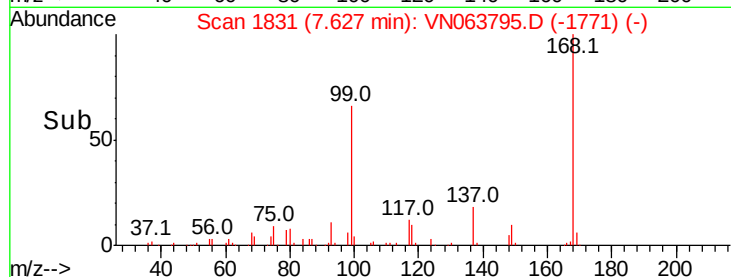
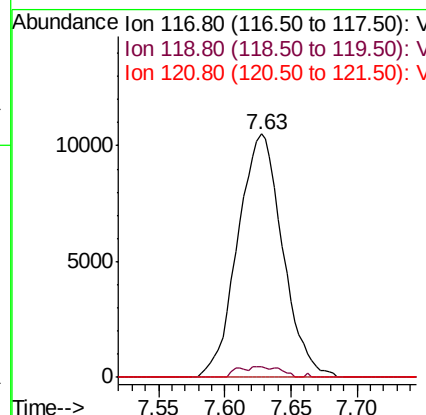
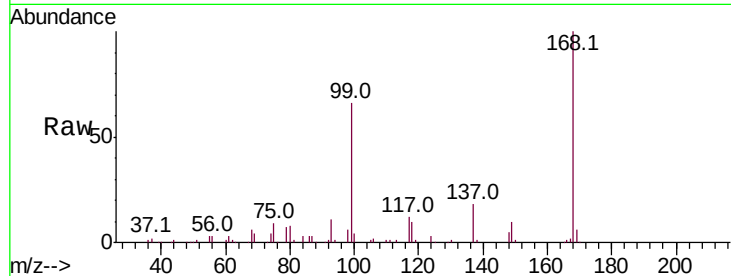




#38
Carbon Tetrachloride
Concen: 5.592 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

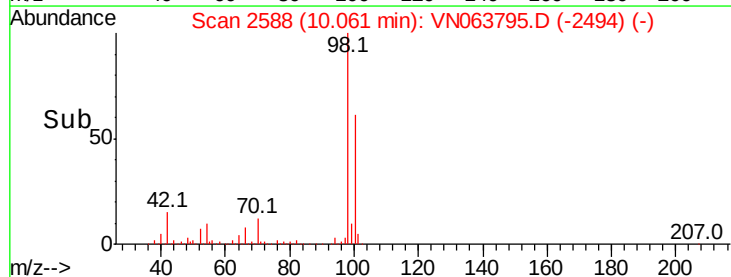
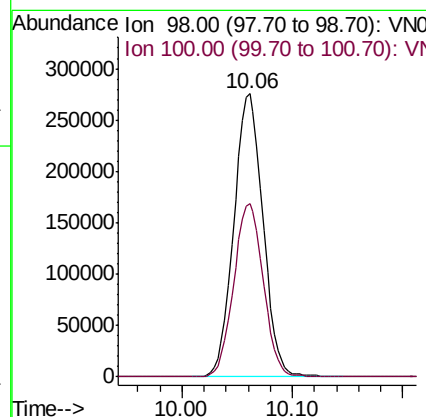
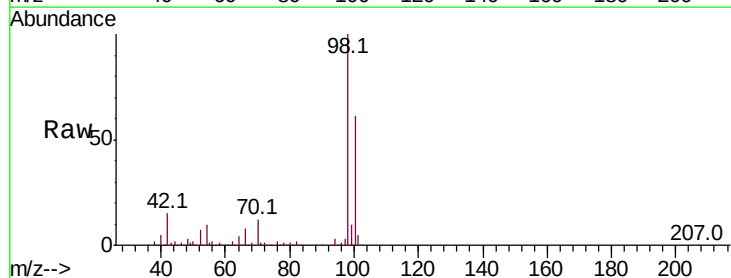
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ClientSampled :
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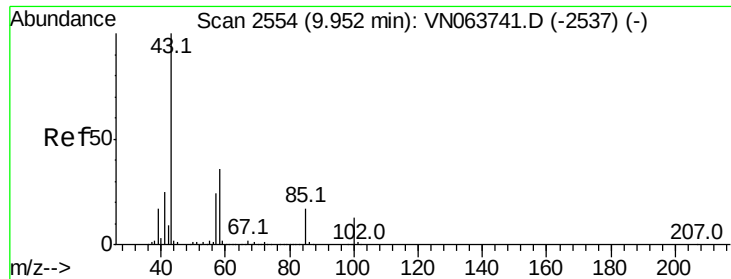
Tot Ion:117 Resp: 24718
Ion Ratio Lower Upper
117 100
119 4.4 80.1 120.1#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 49.376 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

Tgt Ion: 98 Resp: 505364
Ion Ratio Lower Upper
98 100
100 62.0 49.8 74.6

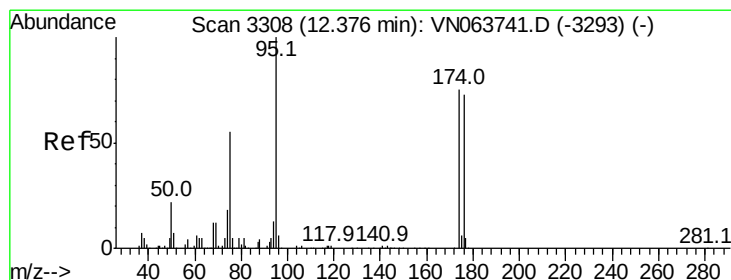
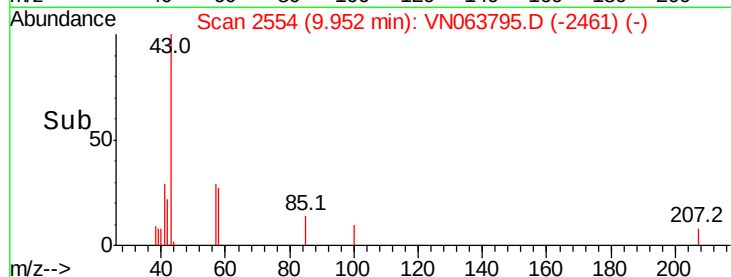
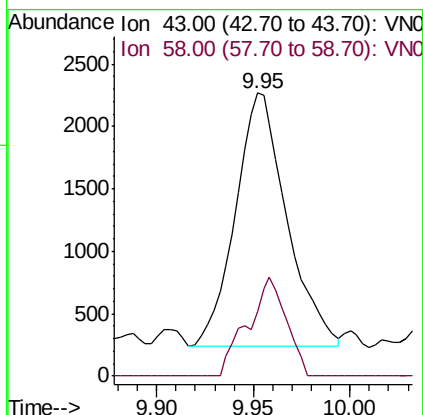
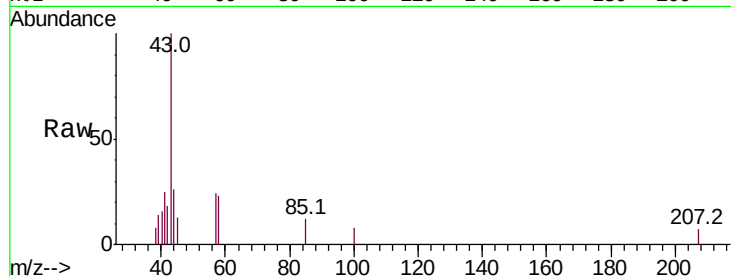




#51
 4-Methyl-2-Pentanone
 Concen: 0.984 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

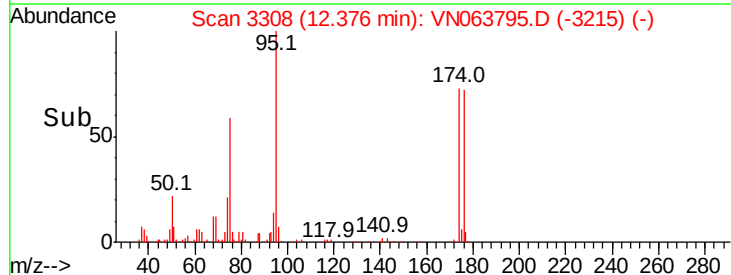
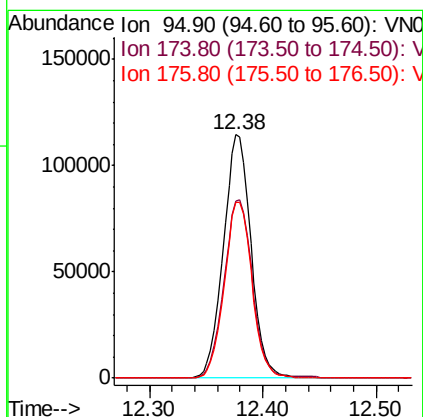
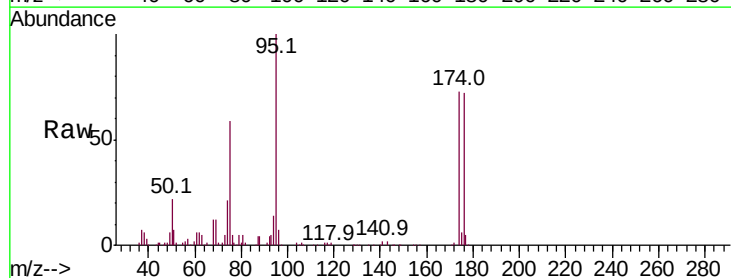
Instrument :
 MSVOA_N
 ClientSampled :
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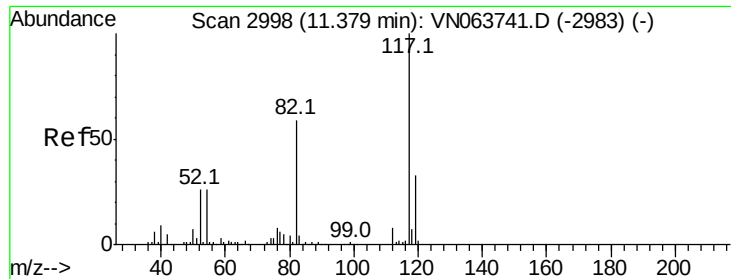
Tot Ion: 43 Resp: 3731
 Ion Ratio Lower Upper
 43 100
 58 29.4 28.4 42.6



#62
 4-Bromofluorobenzene
 Concen: 50.790 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063795.D
 Acq: 2 Oct 2020 1:44

Tgt Ion: 95 Resp: 195411
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.6
 176 72.1 0.0 145.4

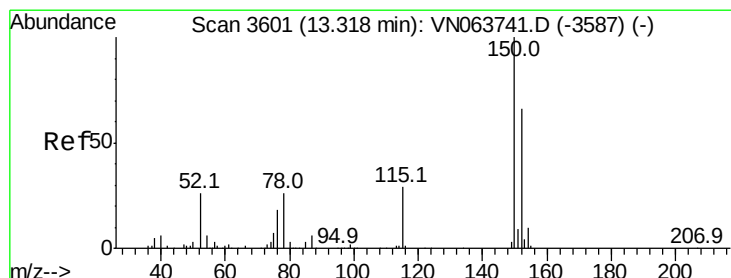
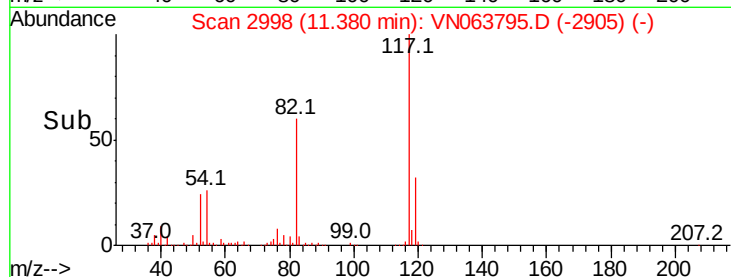
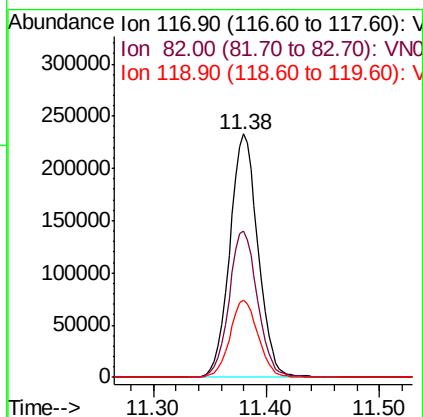
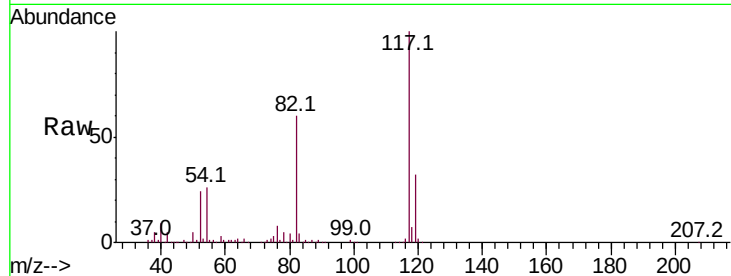




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

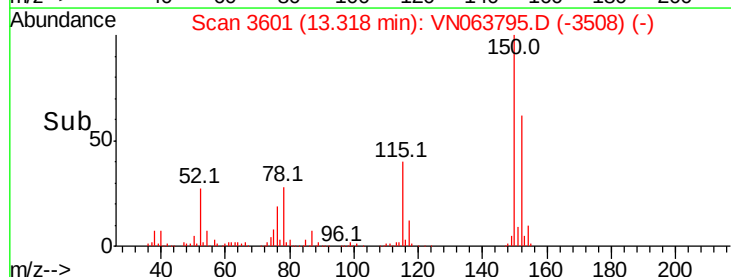
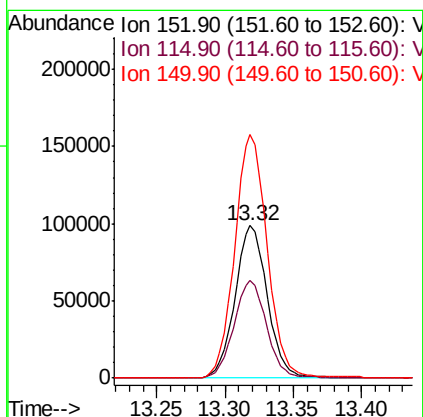
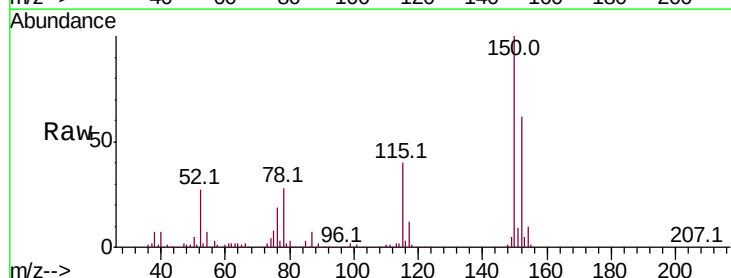
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

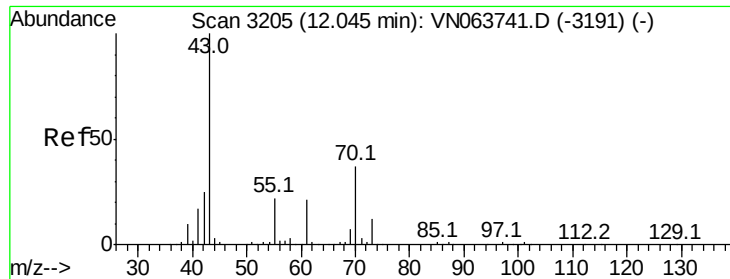
Tot Ion:117 Resp: 403519
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063795.D
Acq: 2 Oct 2020 1:44

Tgt Ion:152 Resp: 162341
Ion Ratio Lower Upper
152 100
115 64.5 31.3 93.8
150 160.2 0.0 341.8





#74

N-amvl acetate

Concen: 2.263 ug/l

RT: 12.03 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

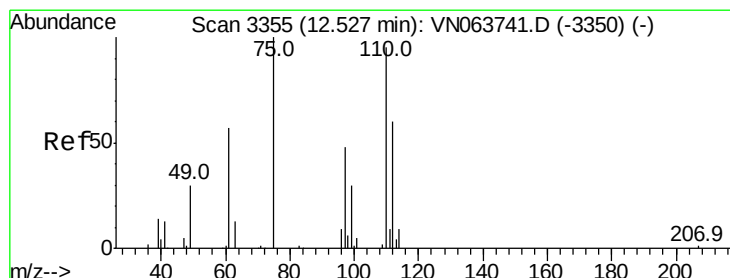
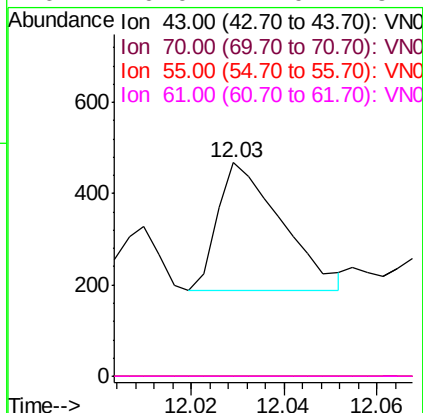
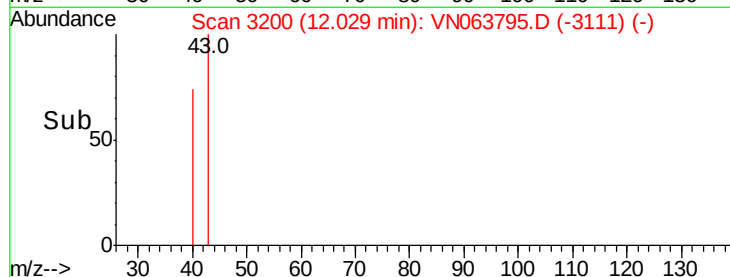
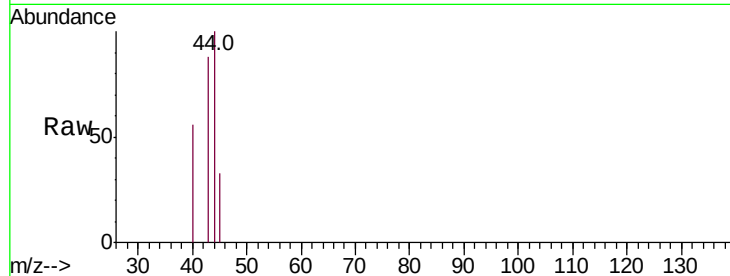
MSVOA_N

ClientSampled :

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Tot Ion: 43 Resp: 269

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.8#
55	0.0	17.9	26.9#
61	0.0	17.0	25.4#



#76

1,2,3-Trichloropropane

Concen: 31.532 ug/l

RT: 12.38 min Scan# 3308

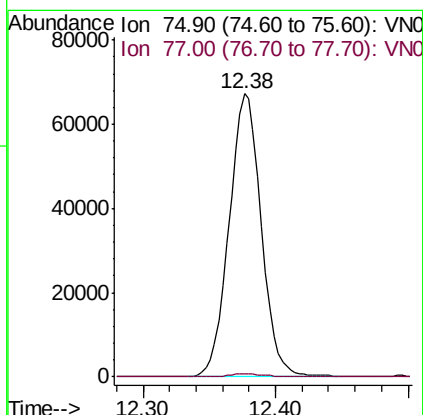
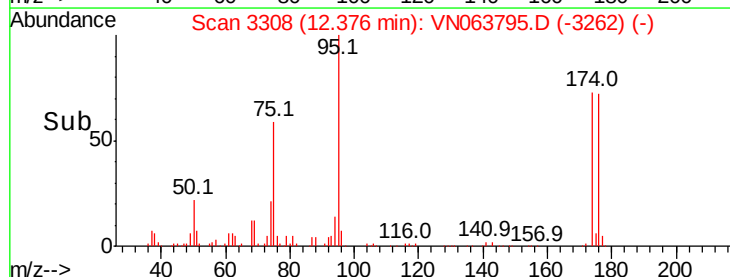
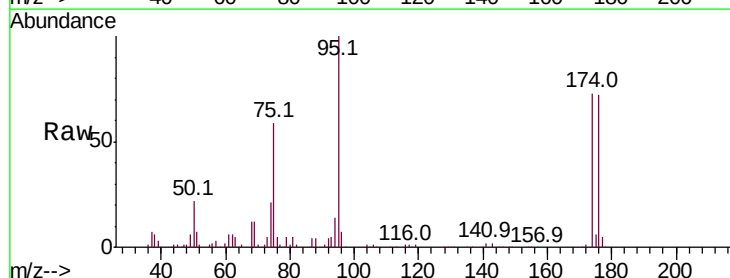
Delta R.T. -0.15 min

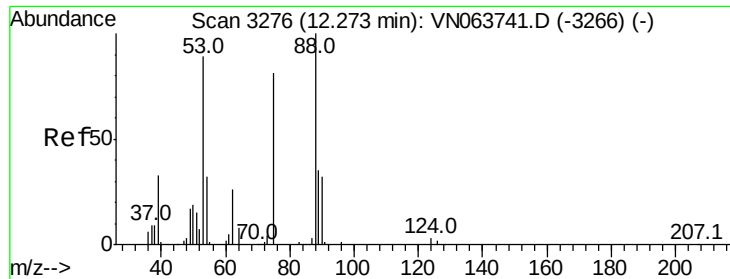
Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Tgt Ion: 75 Resp: 112841

Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 90.817 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

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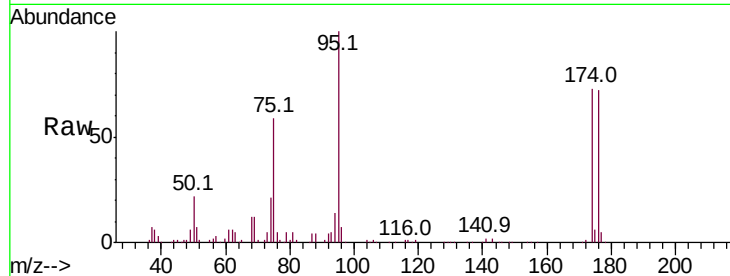
Tot Ion: 75 Resp: 112841

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

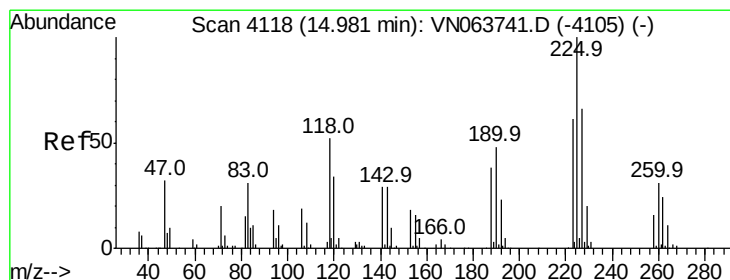
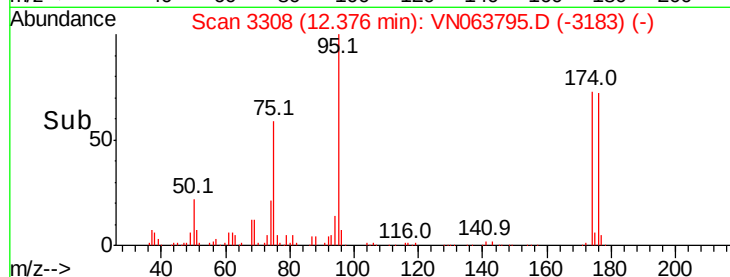
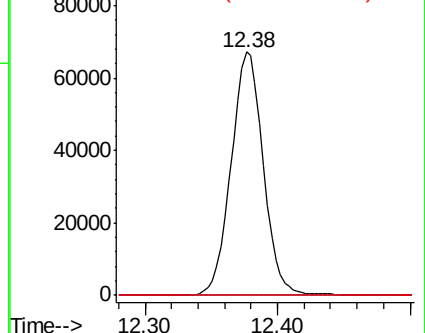
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063795.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN063795.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN063795.D (-3183) (-)



#94

Hexachlorobutadiene

Concen: 0.259 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

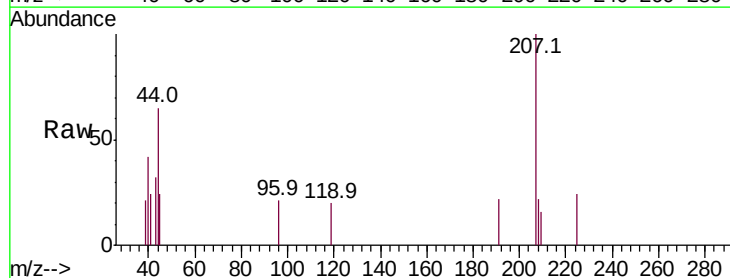
Tgt Ion: 225 Resp: 272

Ion Ratio Lower Upper

225 100

223 0.0 30.3 91.0#

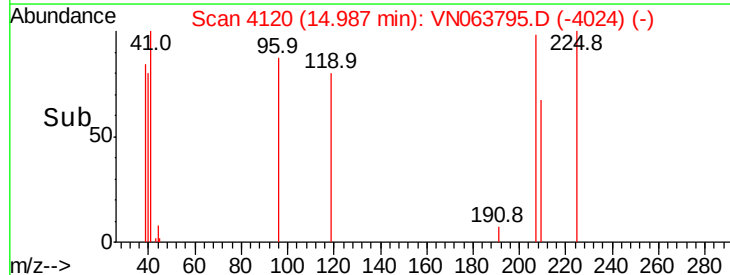
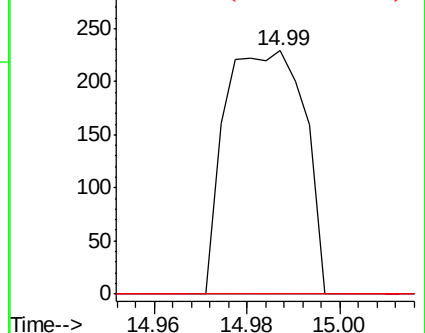
227 0.0 31.9 95.5#

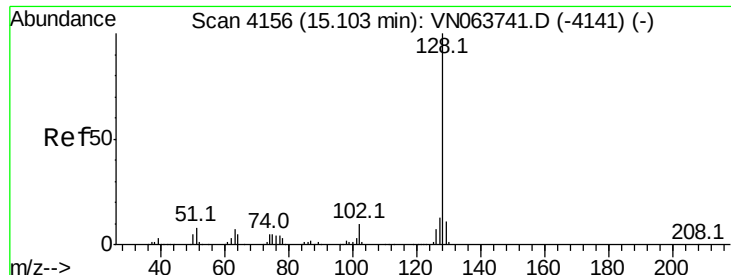


Abundance Ion 224.70 (224.40 to 225.40): VN063795.D (-4024) (-)

Ion 222.70 (222.40 to 223.40): VN063795.D (-4024) (-)

Ion 226.70 (226.40 to 227.40): VN063795.D (-4024) (-)





#95

Naphthalene

Concen: 1.961 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

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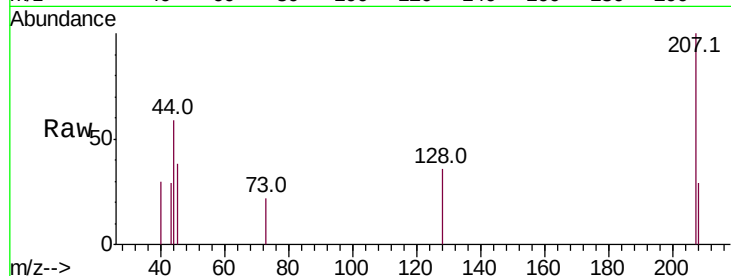
Tot Ion:128 Resp: 335

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

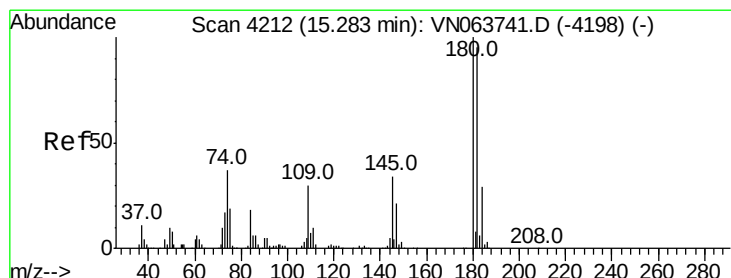
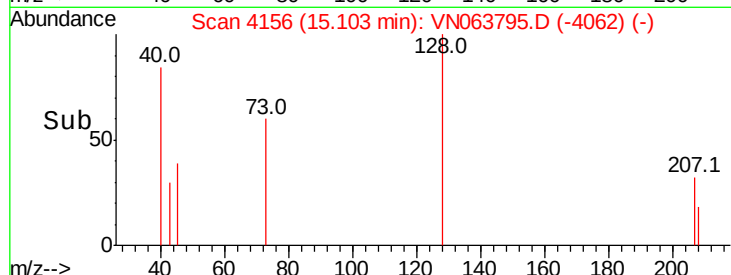
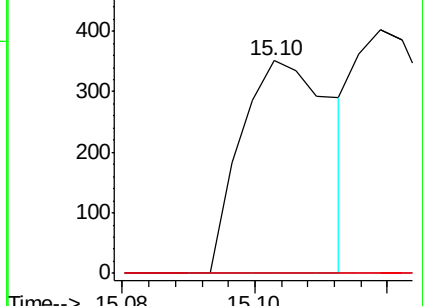
129 0.0 8.7 13.1#



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: 1.589 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063795.D

Acq: 2 Oct 2020 1:44

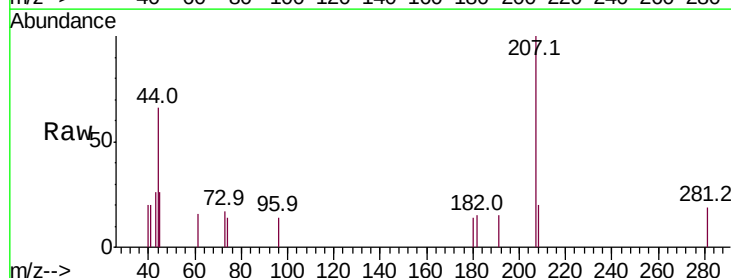
Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 161.0 47.9 143.6#

145 0.0 17.2 51.5#



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

