

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063333.D
 Acq On : 14 Sep 2020 11:05
 Operator : JC/MD
 Sample : VN0914WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

Quant Time: Sep 15 05:07:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	406456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	762658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	745410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	298646	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	317546	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	7.55	113	243098	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.06	98	972039	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.38	95	367121	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

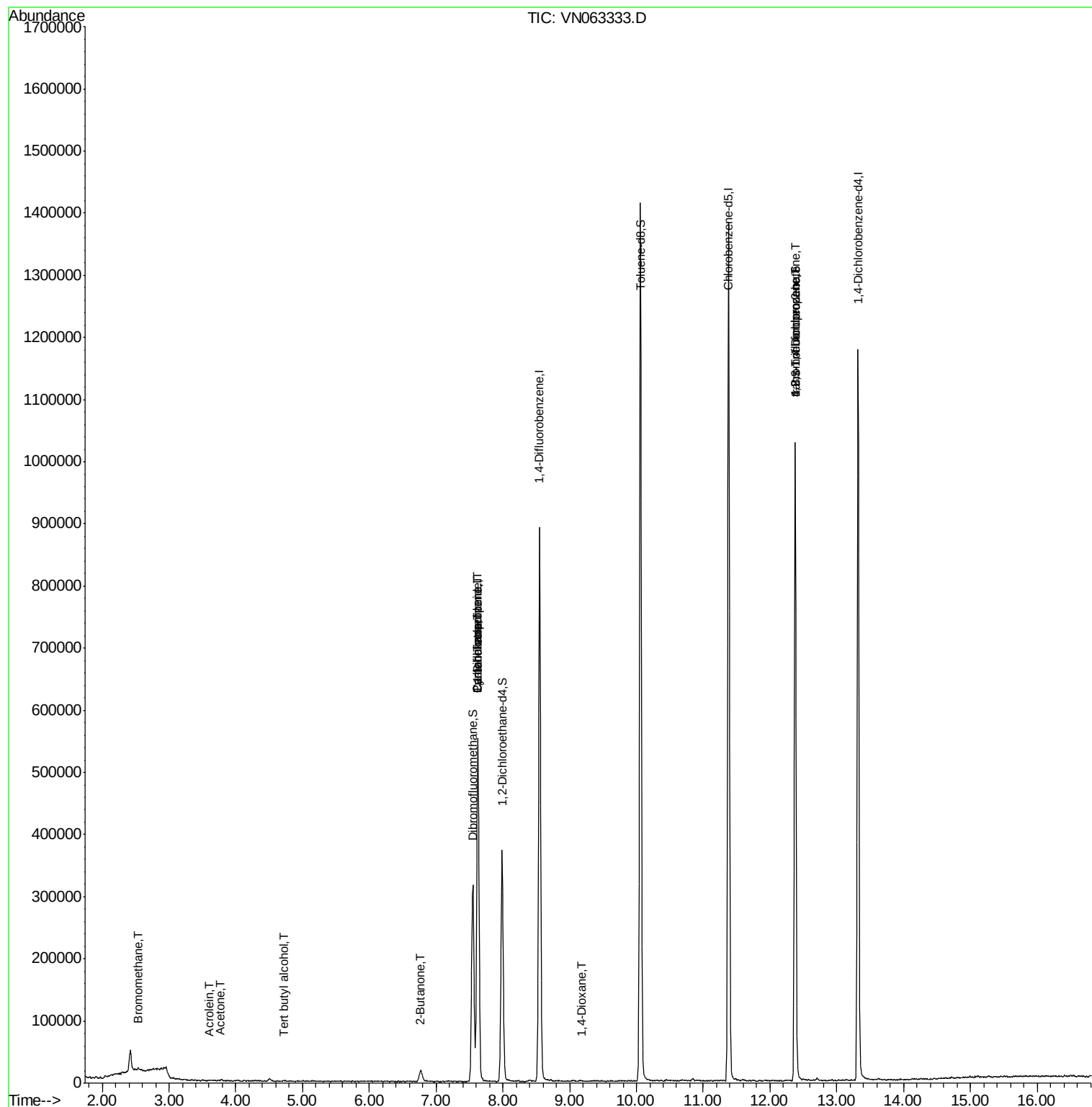
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1987	Below Cal	#	88
5) Bromomethane	2.54	94	1461	0.379	ug/l #	55
11) Tert butyl alcohol	4.72	59	194	0.230	ug/l #	86
13) Acrolein	3.59	56	31	32.516	ug/l #	1
16) Acetone	3.77	43	809	0.367	ug/l #	81
17) Carbon Disulfide	4.02	76	1448	Below Cal	#	75
20) Methylene Chloride	4.51	84	1254	Below Cal	#	74
25) 2-Butanone	6.77	43	1264	0.388	ug/l #	51
31) Cyclohexane	7.62	56	11745	1.311	ug/l #	22
36) 1,1-Dichloropropene	7.62	75	36717	4.684	ug/l #	52
38) Carbon Tetrachloride	7.63	117	44189	5.727	ug/l #	17
49) 1,4-Dioxane	9.18	88	251	2.601	ug/l #	76
76) 1,2,3-Trichloropropane	12.38	75	198481	30.125	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	198481	80.940	ug/l #	9
88) 1,4-Dichlorobenzene	13.32	146	429	Below Cal	#	1
94) Hexachlorobutadiene	14.99	225	102	Below Cal	#	19
95) Naphthalene	15.11	128	3020	Below Cal	#	72
96) 1,2,3-Trichlorobenzene	15.29	180	374	Below Cal	#	84

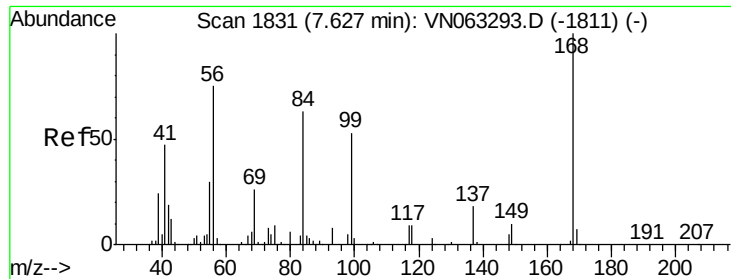
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

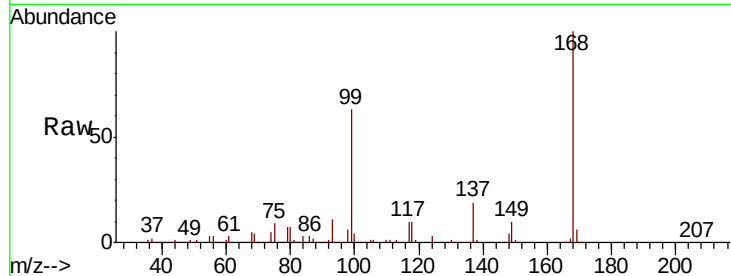
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

Tot Ion:168 Resp: 406456

Ion Ratio Lower Upper

168 100

99 63.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN063333.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063333.D (-1738) (-)

7.62

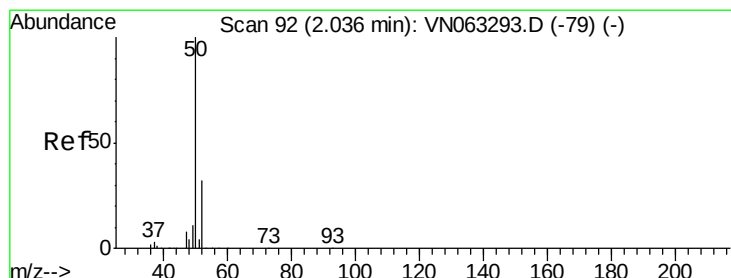
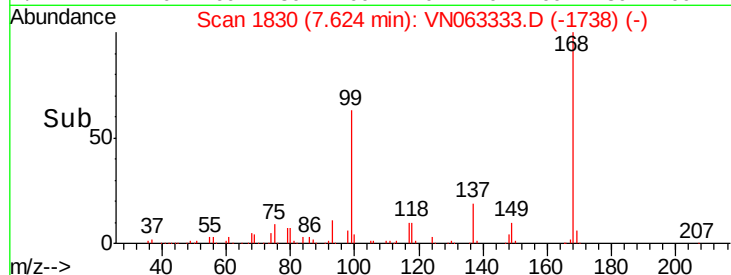
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063333.D

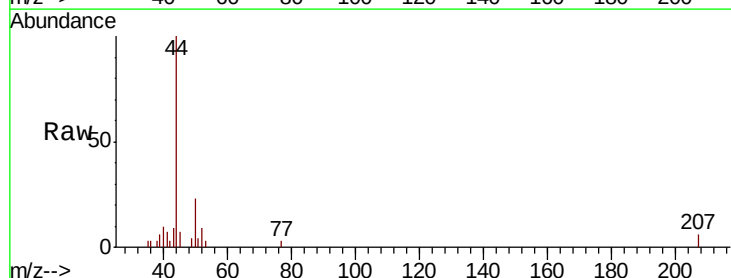
Acq: 14 Sep 2020 11:05

Tgt Ion: 50 Resp: 1987

Ion Ratio Lower Upper

50 100

52 38.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN063333.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063333.D (-1) (-)

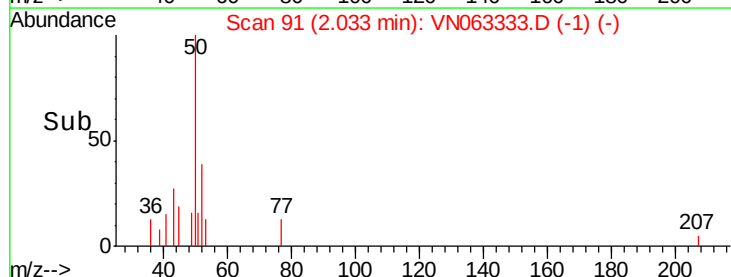
2.03

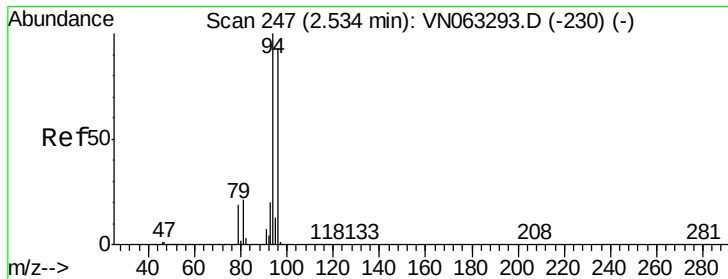
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.379 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

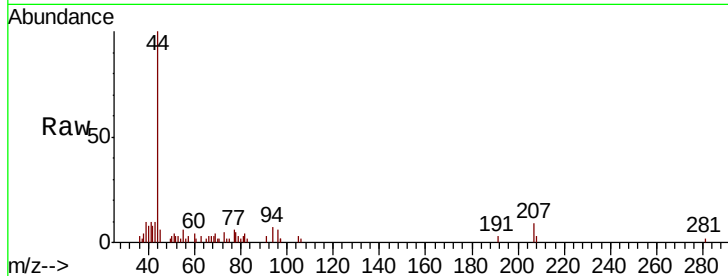
VN0914WBL01

Tot Ion: 94 Resp: 1461

Ion Ratio Lower Upper

94 100

96 49.8 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

600

400

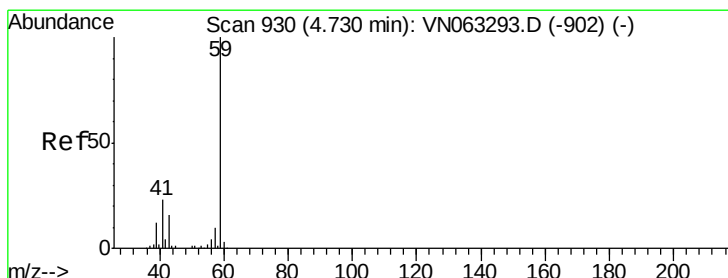
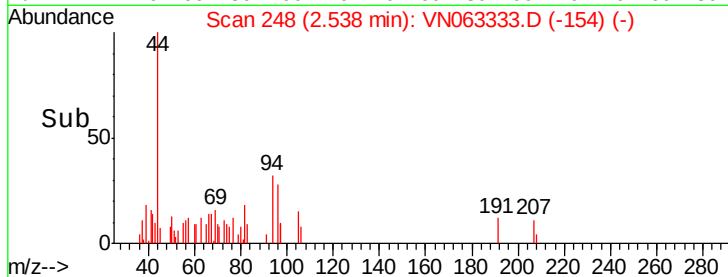
200

0

2.50

2.55

Time-->



#11

Tert butyl alcohol

Concen: 0.230 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063333.D

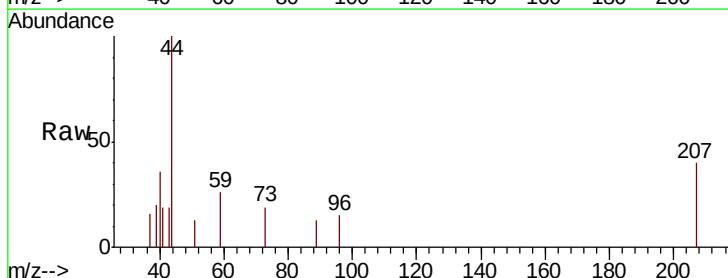
Acq: 14 Sep 2020 11:05

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 15.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

300

200

100

0

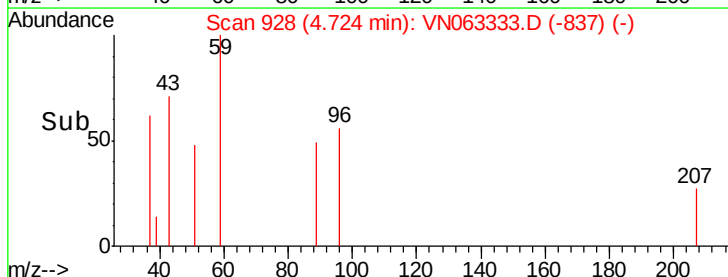
4.71

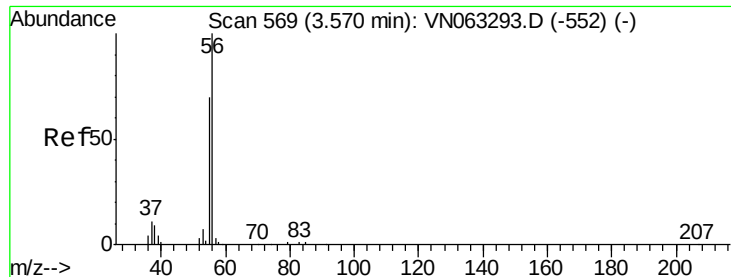
4.72

4.73

4.74

Time-->





#13

Acrolein

Concen: 32.516 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

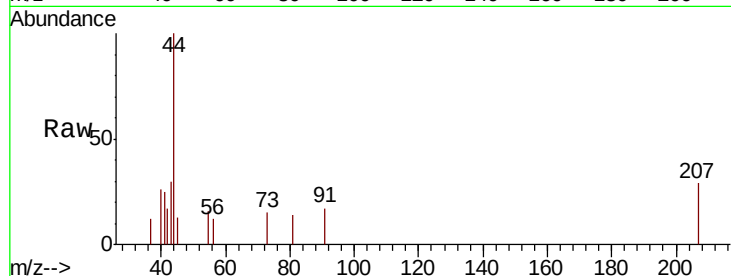
VN0914WBL01

Tot Ion: 56 Resp: 31

Ion Ratio Lower Upper

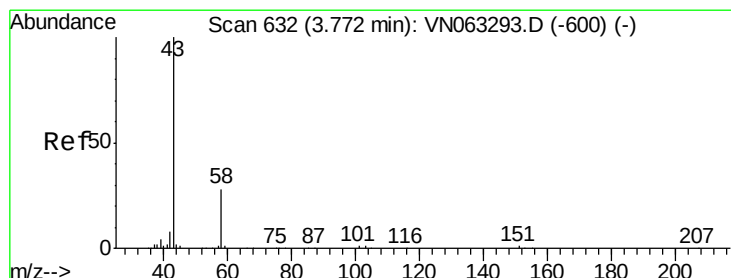
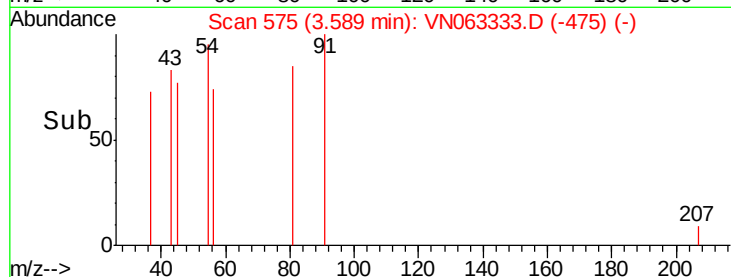
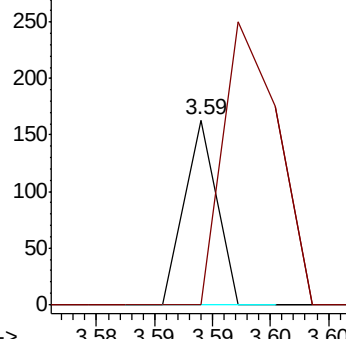
56 100

55 264.5 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.367 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063333.D

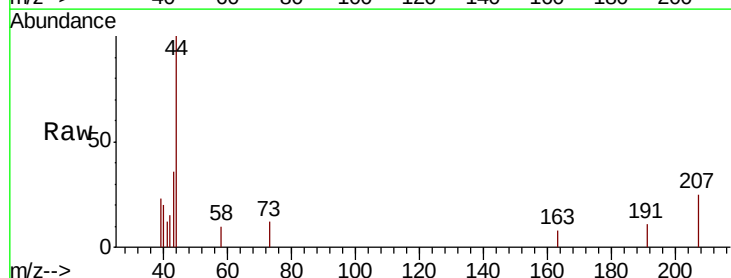
Acq: 14 Sep 2020 11:05

Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

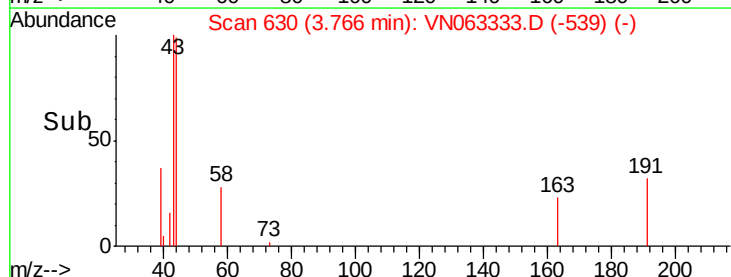
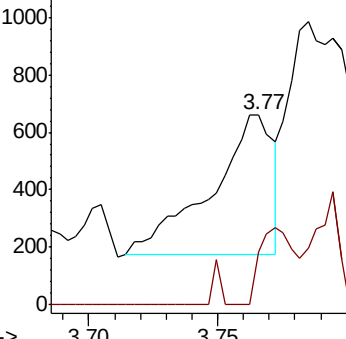
43 100

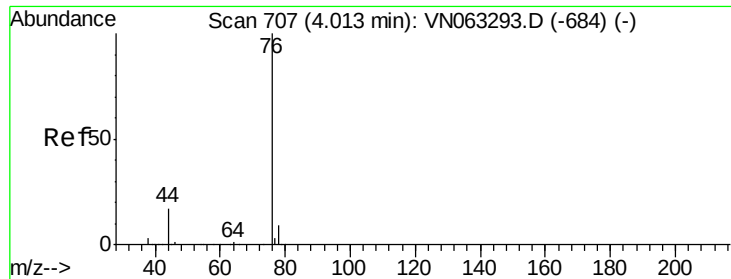
58 38.1 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

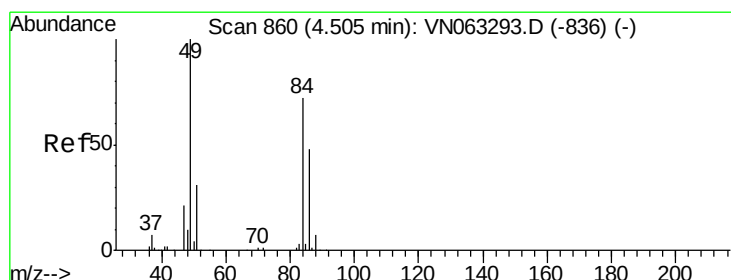
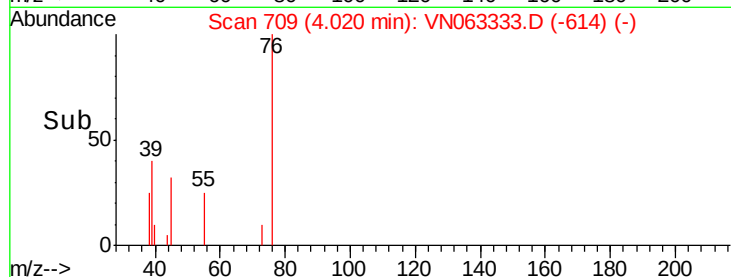
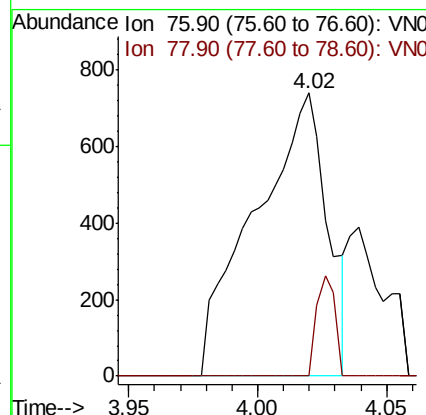
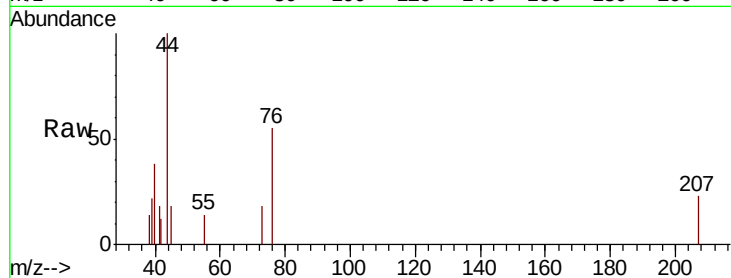




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

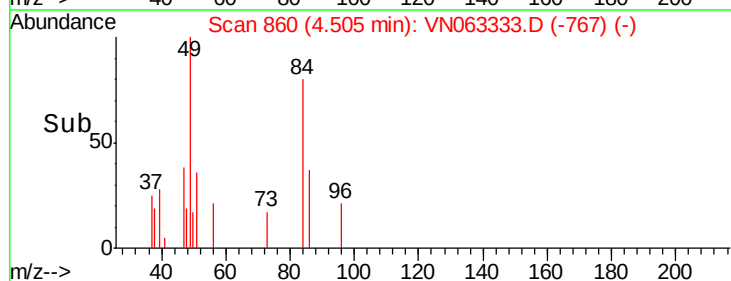
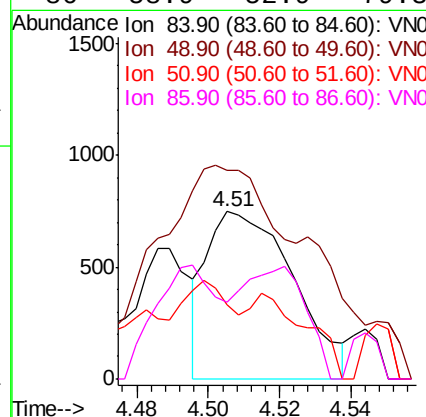
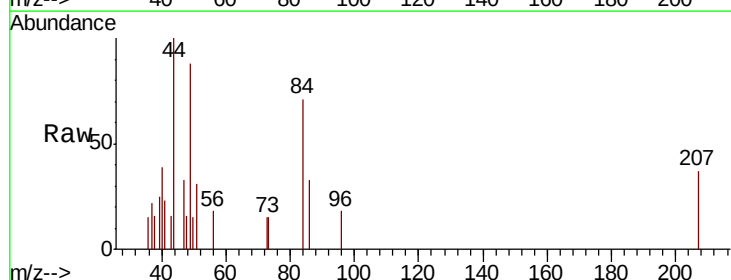
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

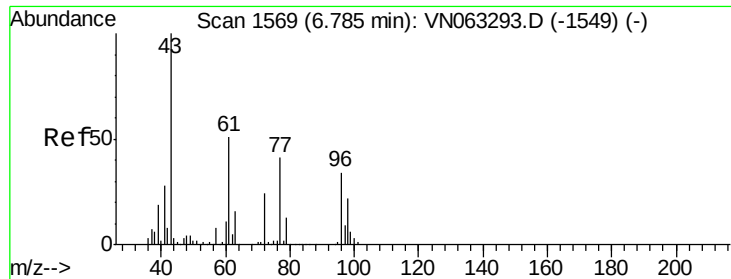
Tot Ion: 76 Resp: 1448
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Tgt Ion: 84 Resp: 1254
Ion Ratio Lower Upper
84 100
49 96.8 111.1 166.7#
51 56.4 34.3 51.5#
86 58.9 52.9 79.3

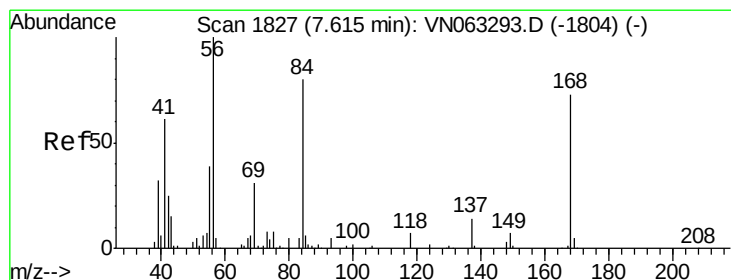
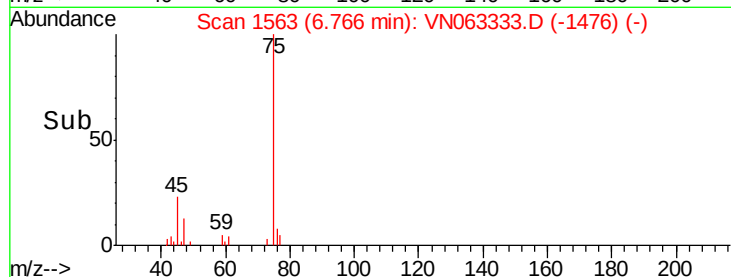
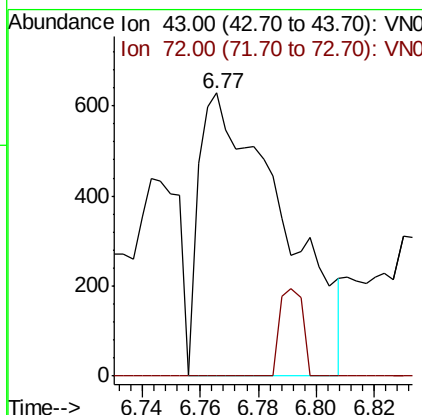
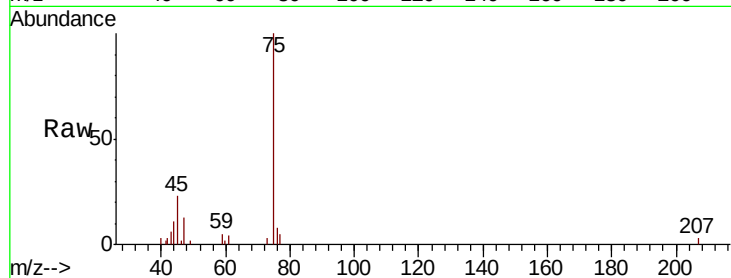




#25
2-Butanone
Concen: 0.388 ug/l
RT: 6.77 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

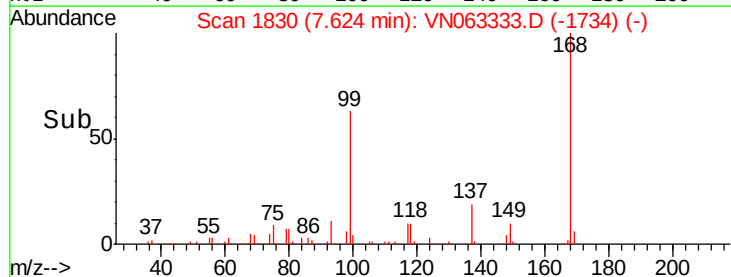
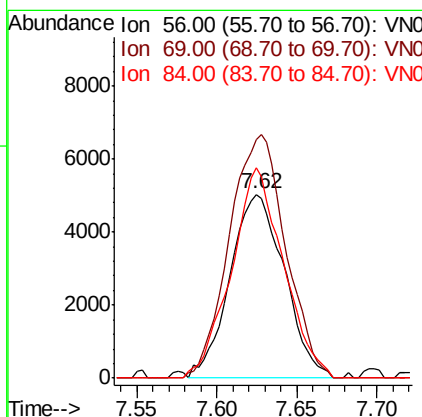
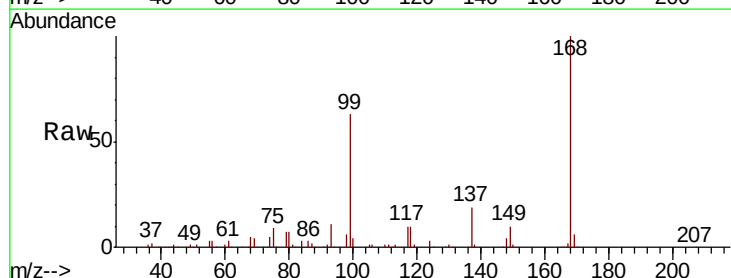
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

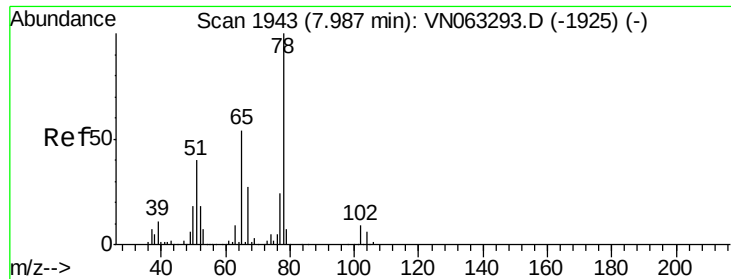
Tot Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Tgt Ion: 56 Resp: 11745
Ion Ratio Lower Upper
56 100
69 129.7 25.1 37.7#
84 114.9 64.2 96.2#

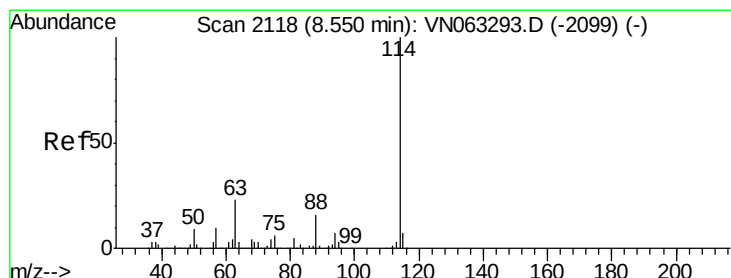
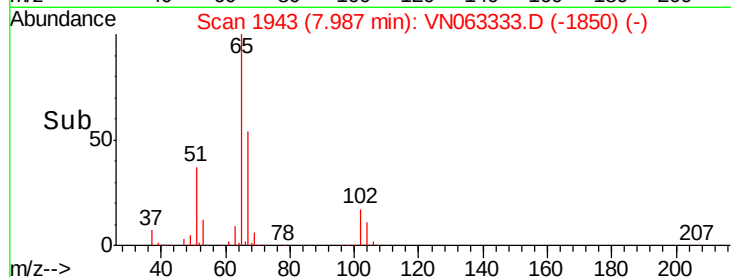
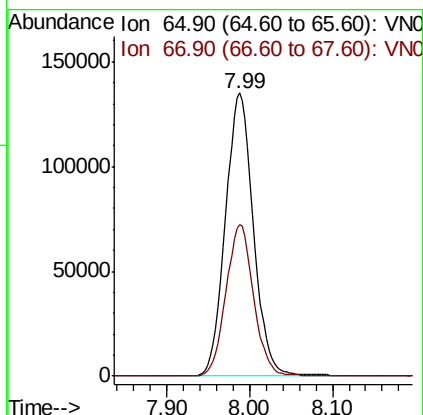
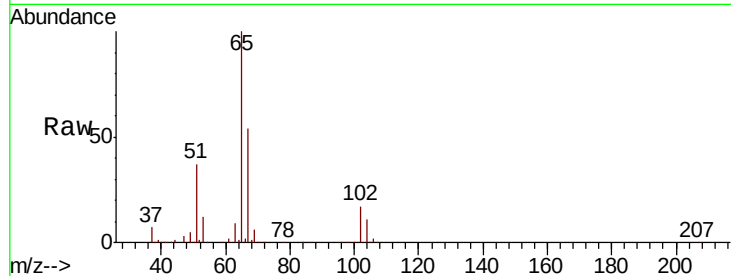




#33
 1,2-Dichloroethane-d4
 Concen: 49.726 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

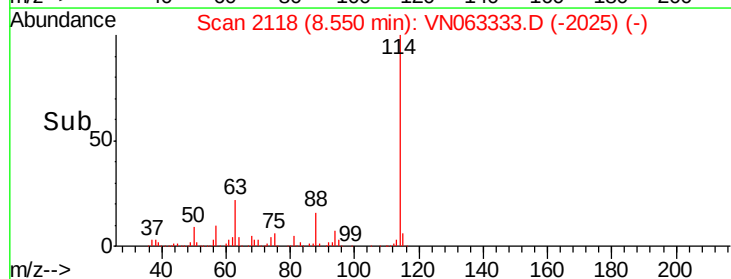
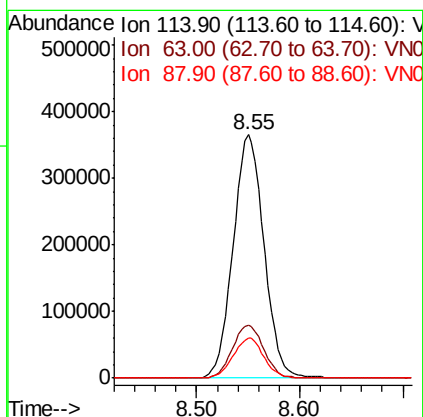
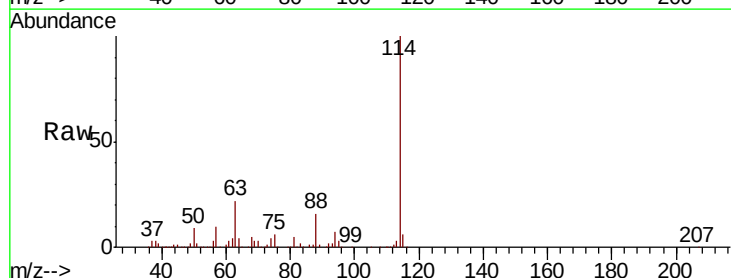
Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBL01

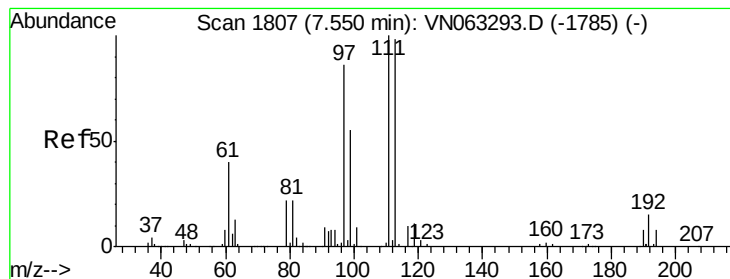
Tot Ion: 65 Resp: 317546
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

Tgt Ion: 114 Resp: 762658
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 46.0
 88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.409 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL01

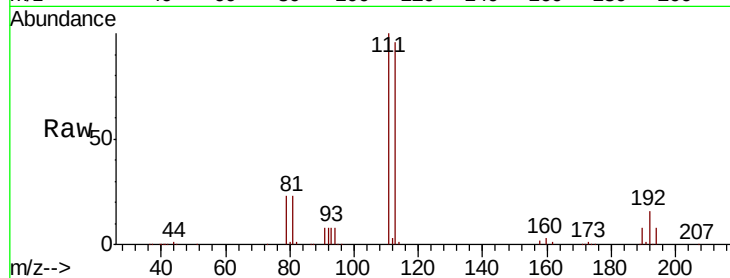
Tot Ion:113 Resp: 243098

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

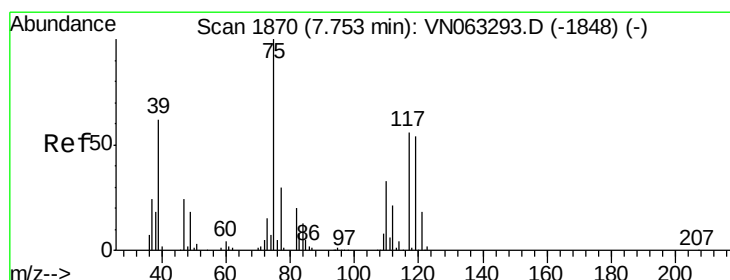
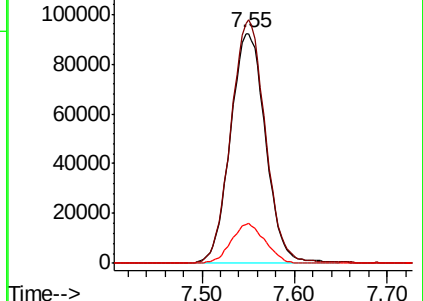
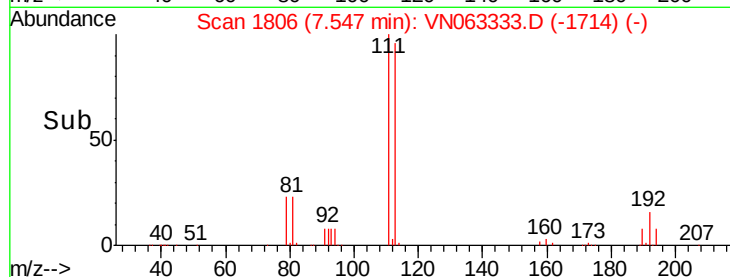
192 16.7 12.9 19.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

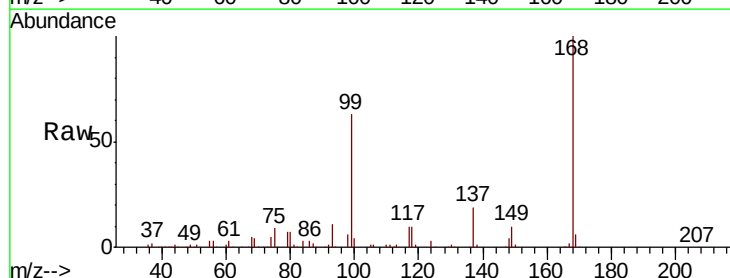
Tgt Ion: 75 Resp: 36717

Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.4#

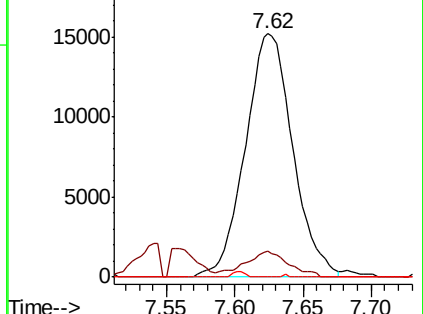
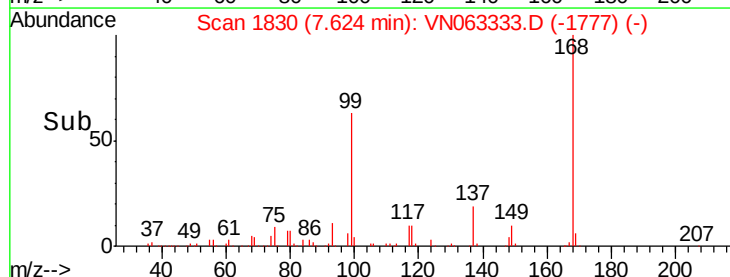
77 0.1 24.8 37.2#

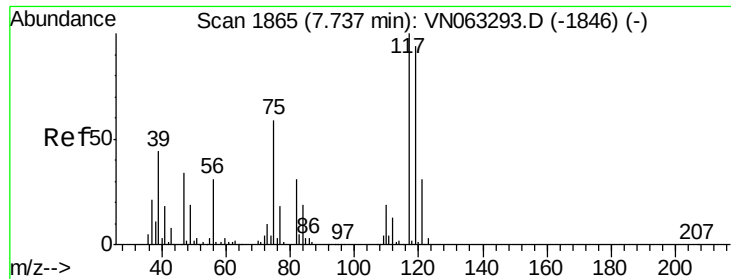


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

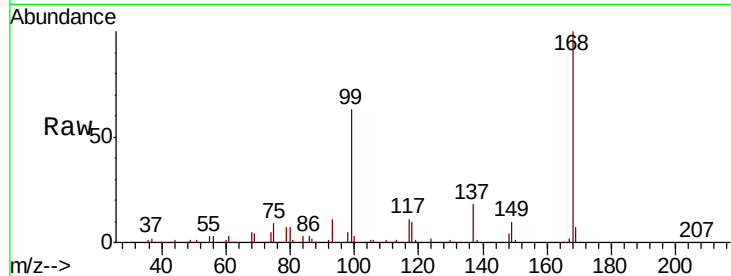




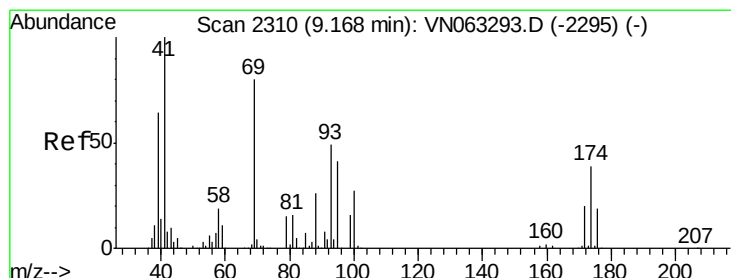
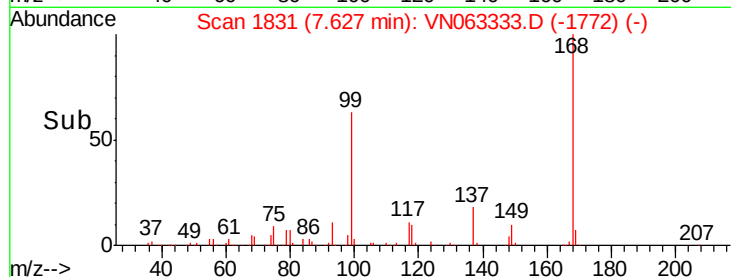
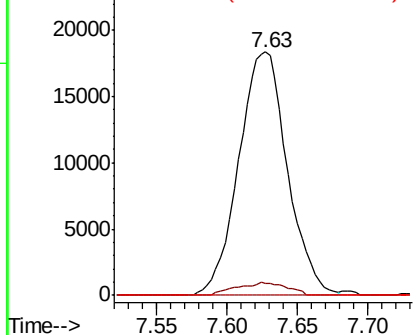
#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

Tot Ion:117 Resp: 44189
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.6 37.0#

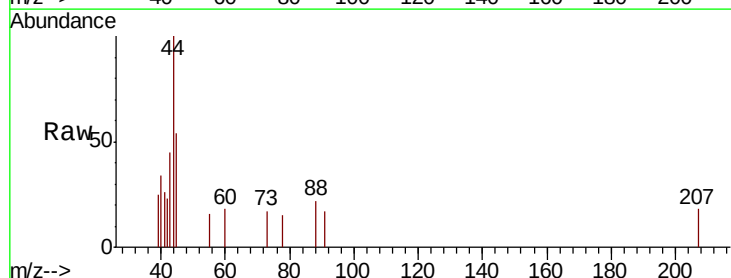


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

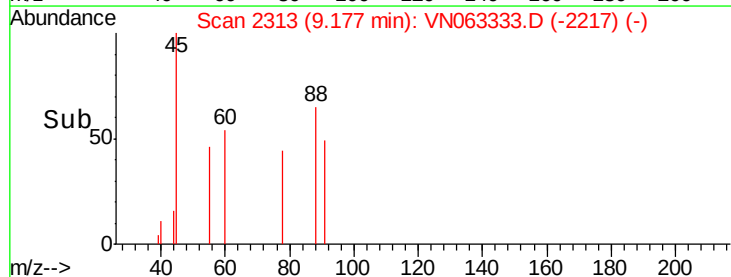
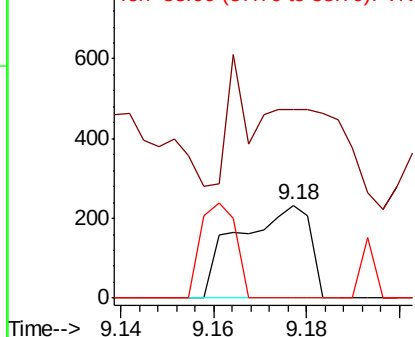


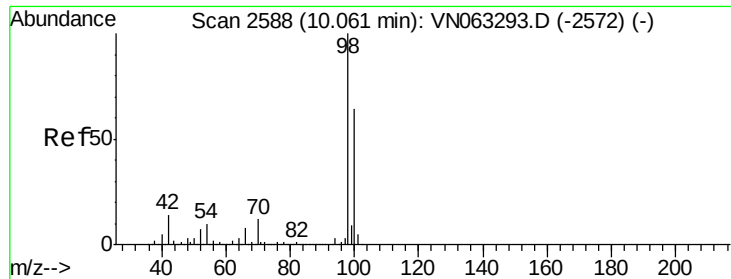
#49
1,4-Dioxane
Concen: 2.601 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 47.4 30.5 45.7#
58 49.8 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): V
Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V

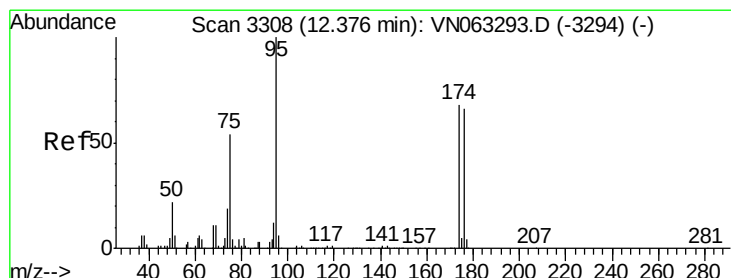
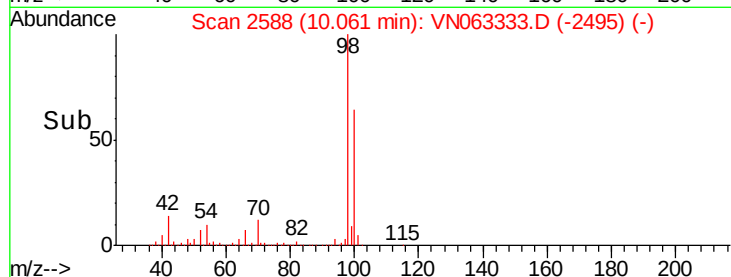
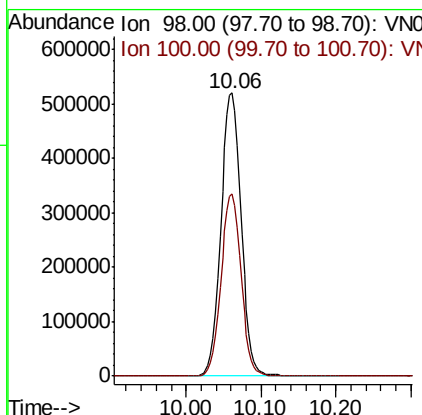
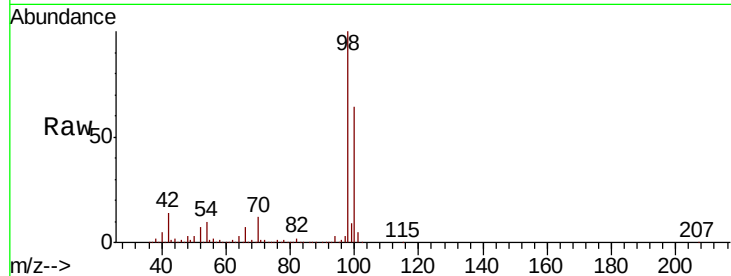




#50
Toluene-d8
Concen: 51.553 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

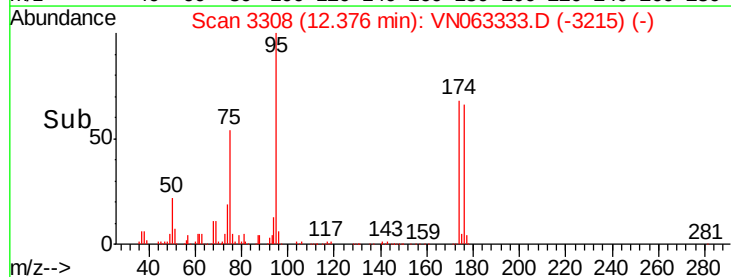
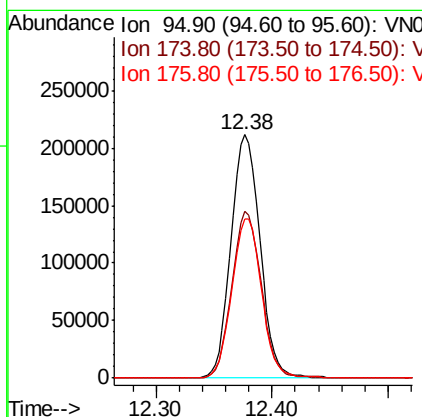
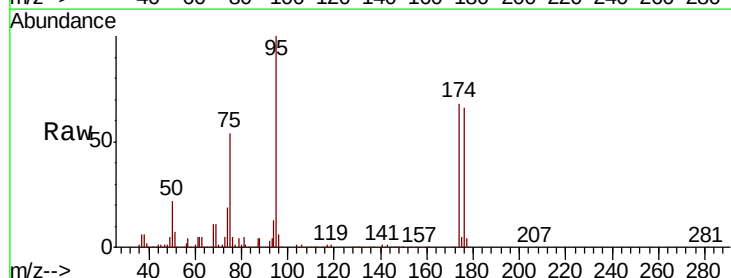
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

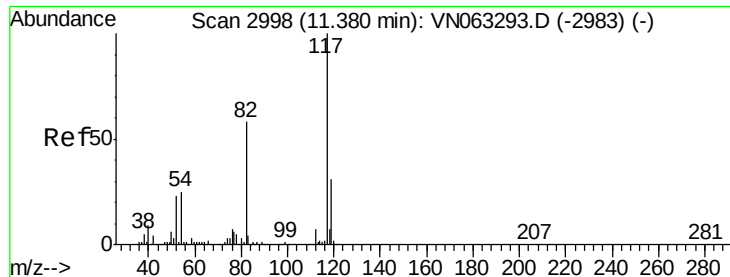
Tot Ion: 98 Resp: 972039
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 52.716 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Tgt Ion: 95 Resp: 367121
Ion Ratio Lower Upper
95 100
174 68.8 0.0 136.6
176 67.1 0.0 132.8

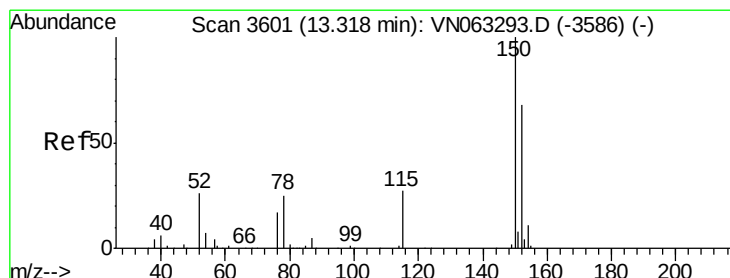
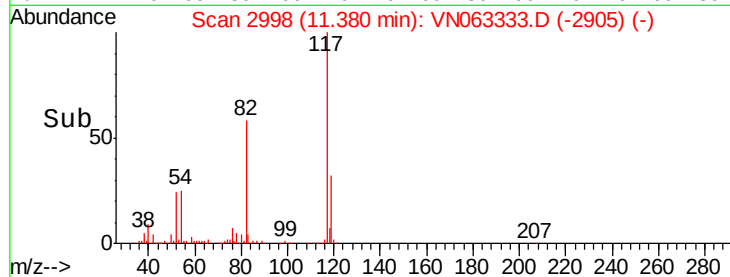
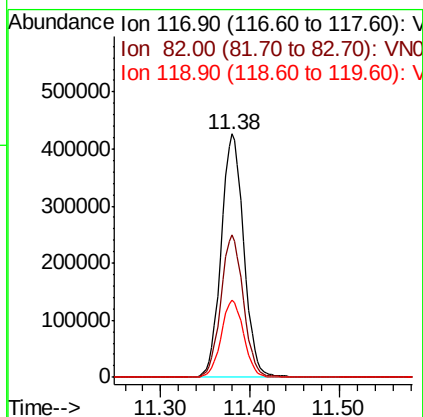
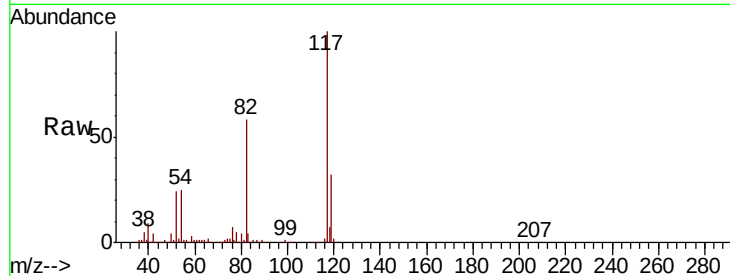




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

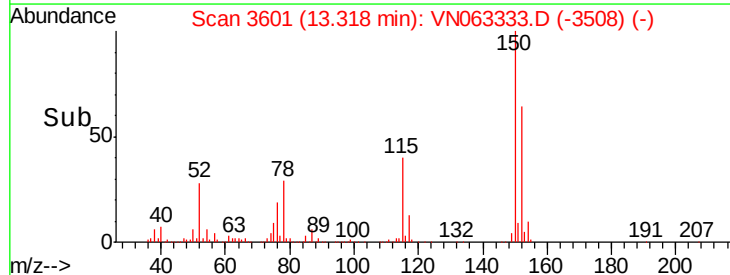
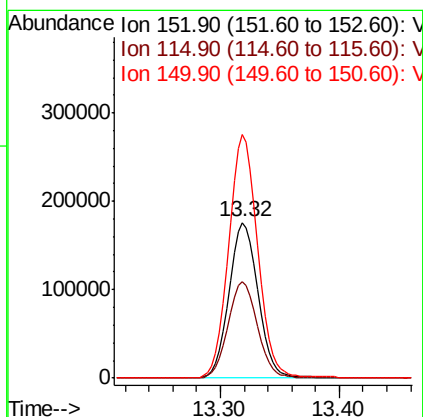
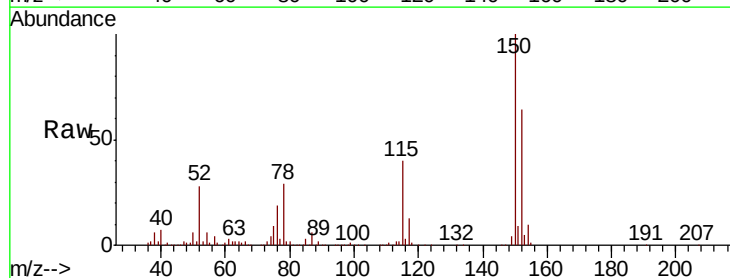
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

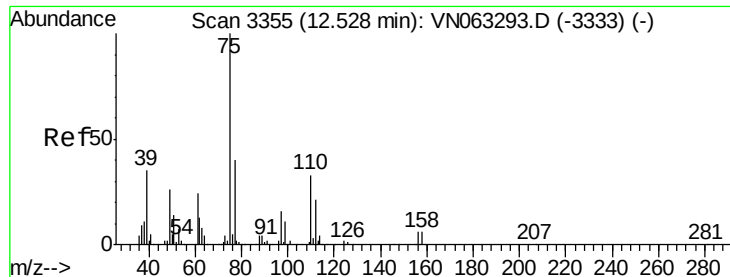
Tot Ion:117 Resp: 745410
Ion Ratio Lower Upper
117 100
82 58.3 46.4 69.6
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063333.D
Acq: 14 Sep 2020 11:05

Tgt Ion:152 Resp: 298646
Ion Ratio Lower Upper
152 100
115 62.3 31.5 94.5
150 155.3 0.0 344.0

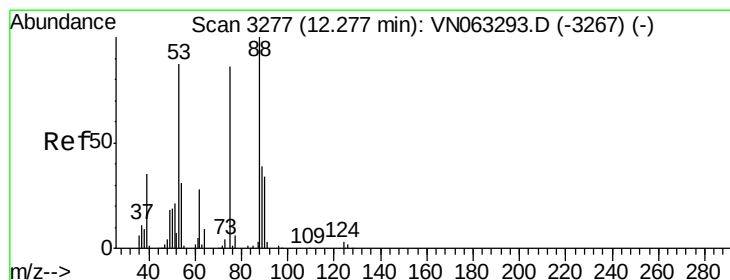
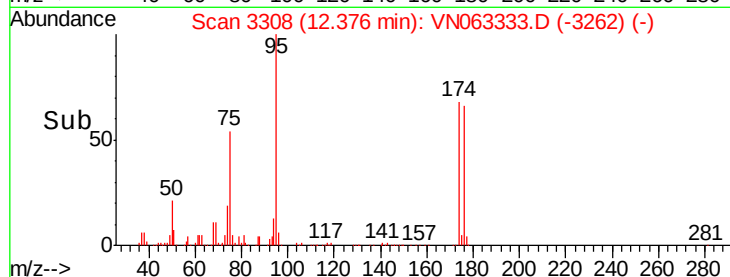
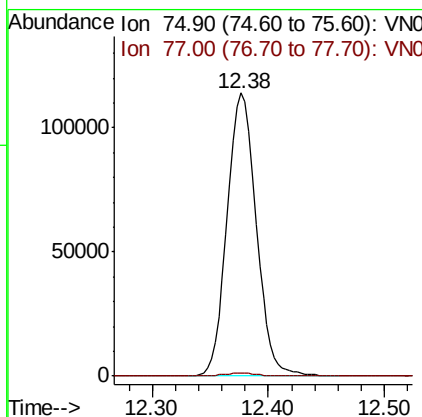
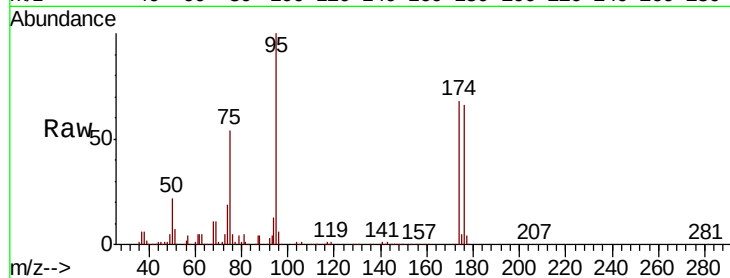




#76
 1,2,3-Trichloropropane
 Concen: 30.125 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

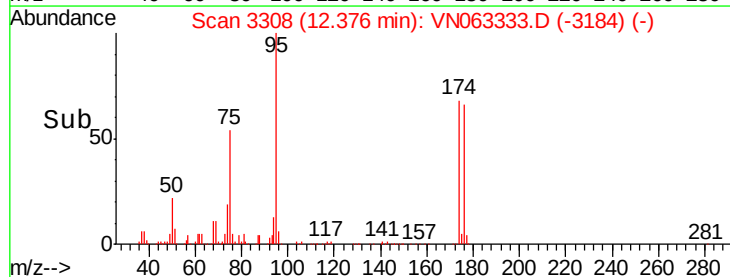
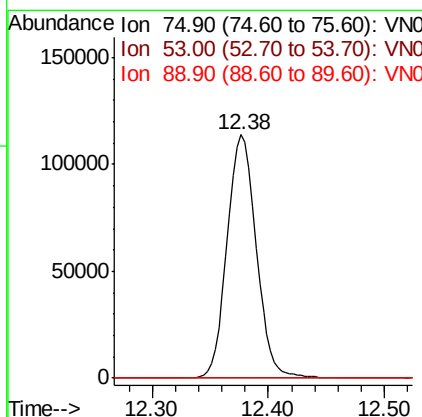
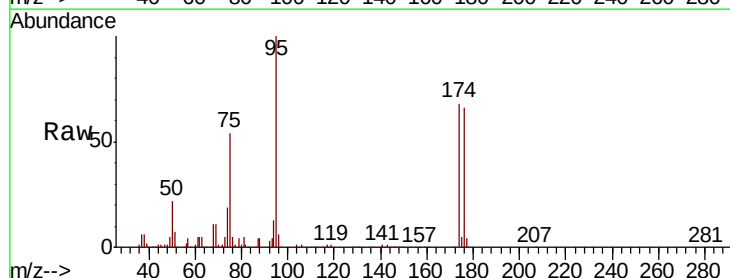
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

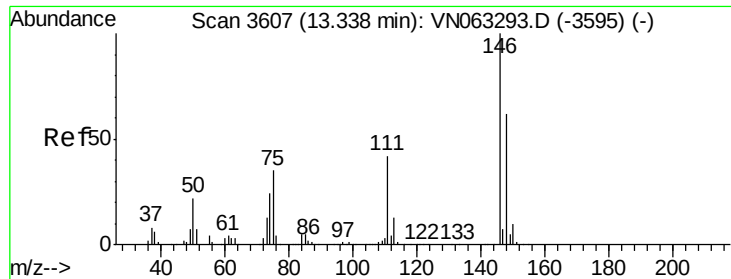
Tot Ion: 75 Resp: 198481
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.940 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

Tgt Ion: 75 Resp: 198481
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.8#
 89 0.0 36.7 55.1#

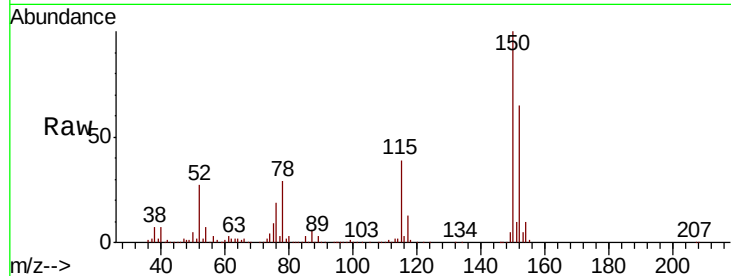




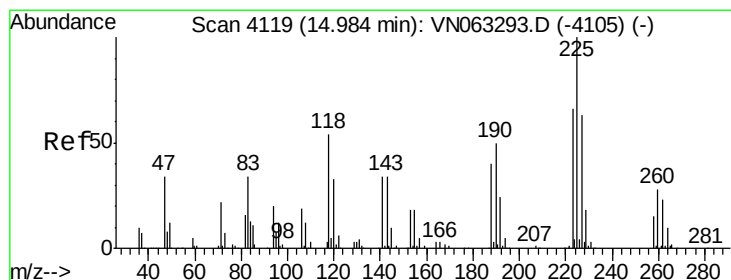
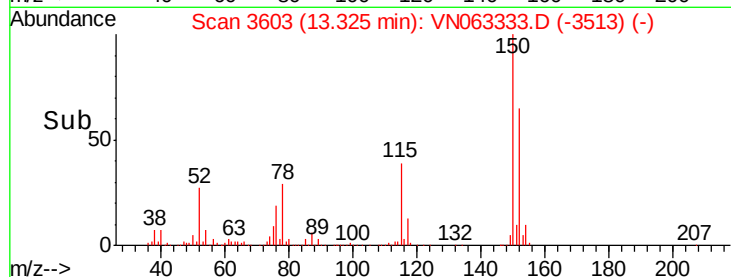
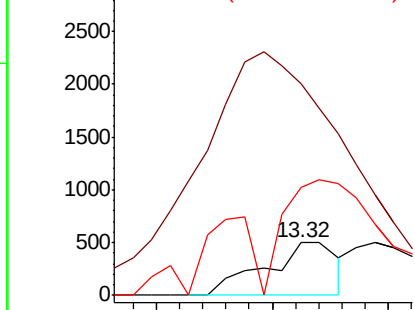
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.32 min Scan# 3603
 Delta R.T. -0.01 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBL01

Tot Ion:146 Resp: 429
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.3 64.0#
 148 333.8 31.5 94.5#

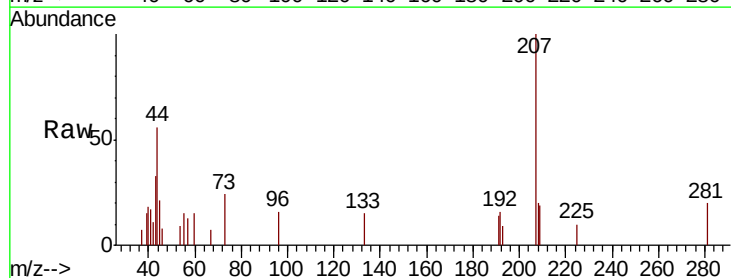


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

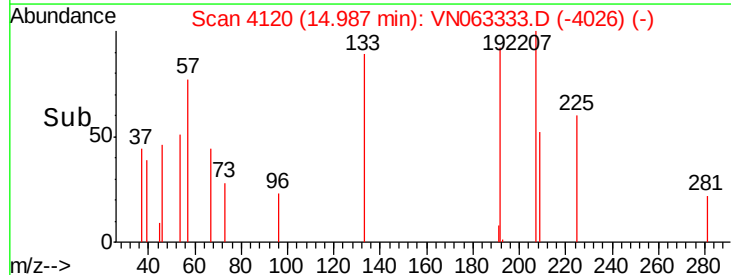
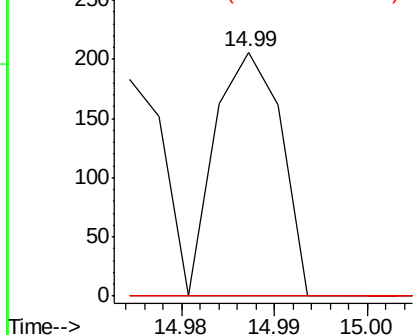


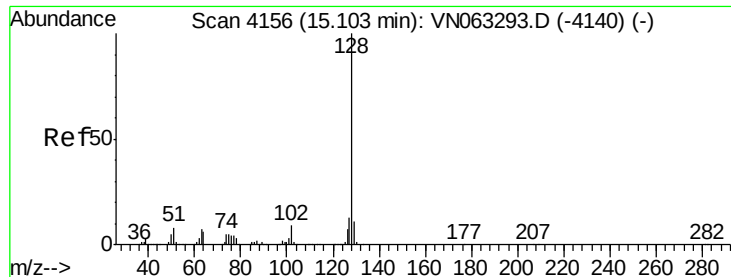
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN063333.D
 Acq: 14 Sep 2020 11:05

Tgt Ion:225 Resp: 102
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.3 93.9#
 227 0.0 31.2 93.6#



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: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL01

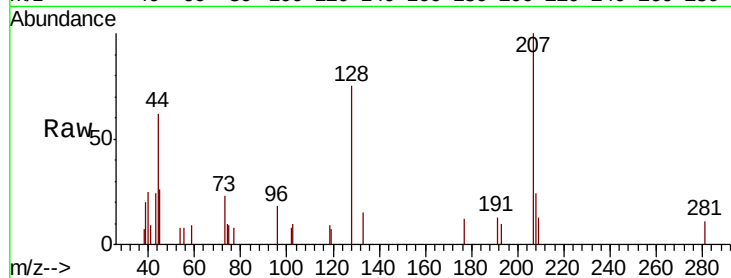
Tot Ion:128 Resp: 3020

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

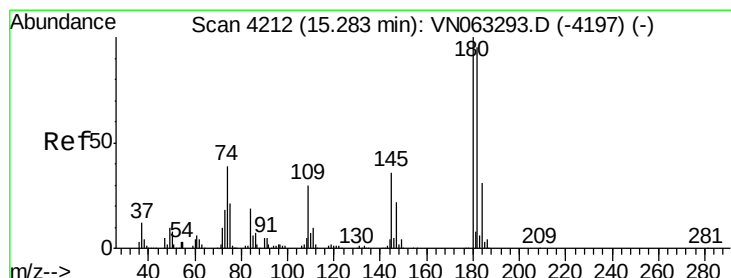
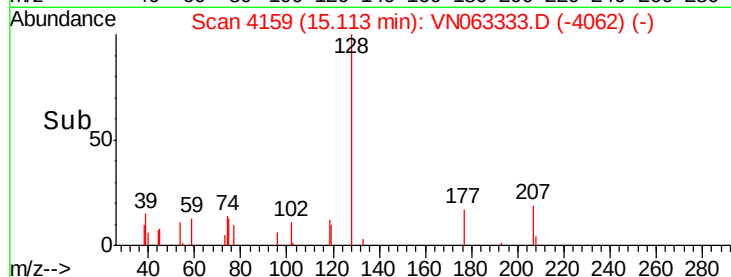
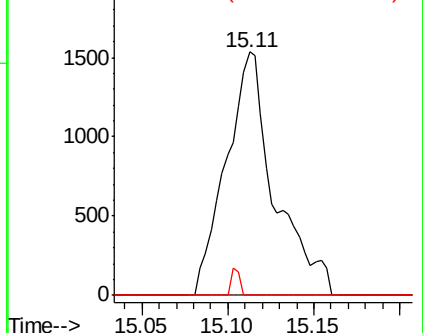
129 2.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063333.D

Acq: 14 Sep 2020 11:05

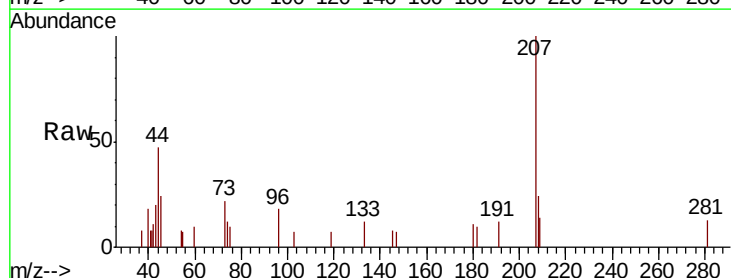
Tgt Ion:180 Resp: 374

Ion Ratio Lower Upper

180 100

182 101.3 47.4 142.3

145 9.6 17.2 51.6#



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

