

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063332.D
 Acq On : 14 Sep 2020 10:41
 Operator : JC/MD
 Sample : VN0914MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBL01

Quant Time: Sep 15 05:07:22 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	403296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	755920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	712128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	274243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	315090	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	7.54	113	242933	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	10.06	98	957646	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.38	95	347347	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

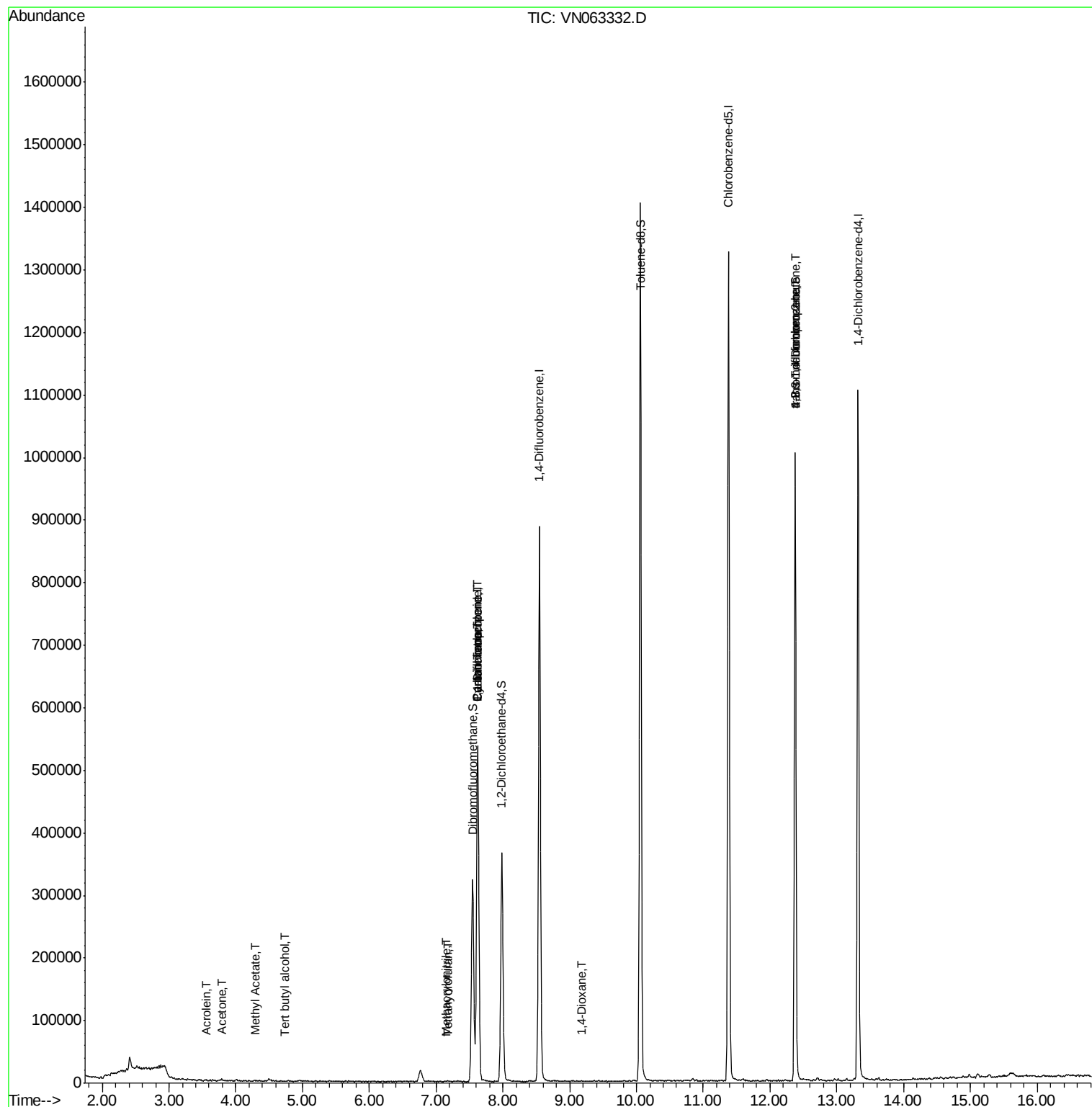
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1988	Below Cal	#	60
11) Tert butyl alcohol	4.73	59	258	0.308	ug/l #	72
13) Acrolein	3.57	56	238	32.911	ug/l #	50
16) Acetone	3.78	43	1146	0.524	ug/l #	68
17) Carbon Disulfide	4.00	76	959	Below Cal	#	75
18) Methyl Acetate	4.29	43	1861	0.338	ug/l #	83
20) Methylene Chloride	4.51	84	2081	Below Cal	#	74
29) Tetrahydrofuran	7.16	42	466	0.221	ug/l #	37
31) Cyclohexane	7.62	56	11797	1.327	ug/l #	12
36) 1,1-Dichloropropene	7.62	75	37879	4.875	ug/l #	45
38) Carbon Tetrachloride	7.62	117	44878	5.869	ug/l #	17
41) Methacrylonitrile	7.14	41	818	0.237	ug/l #	100
49) 1,4-Dioxane	9.17	88	240	2.509	ug/l #	68
76) 1,2,3-Trichloropropane	12.38	75	189588	31.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	189588	84.193	ug/l #	9
88) 1,4-Dichlorobenzene	13.34	146	1011	Below Cal	#	1
94) Hexachlorobutadiene	14.98	225	659	Below Cal	#	49
95) Naphthalene	15.11	128	4952	Below Cal	#	94
96) 1,2,3-Trichlorobenzene	15.28	180	1218	Below Cal		94

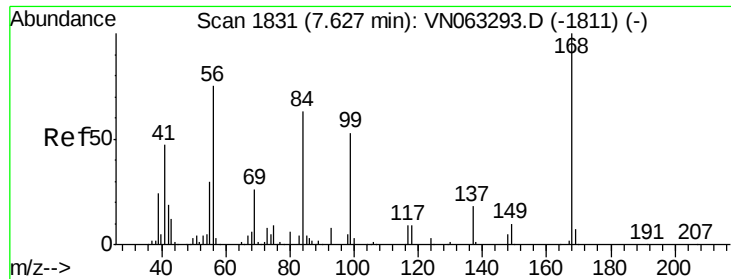
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\
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Sample : VN0914MBL01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
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: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

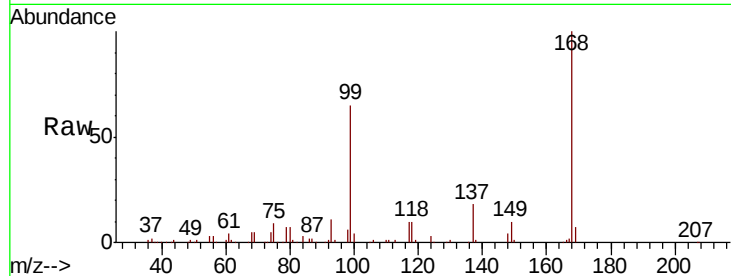
VN0914MBL01

Tot Ion:168 Resp: 403296

Ion Ratio Lower Upper

168 100

99 65.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

100000

50000

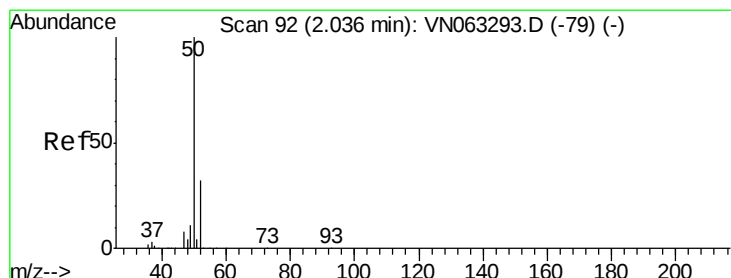
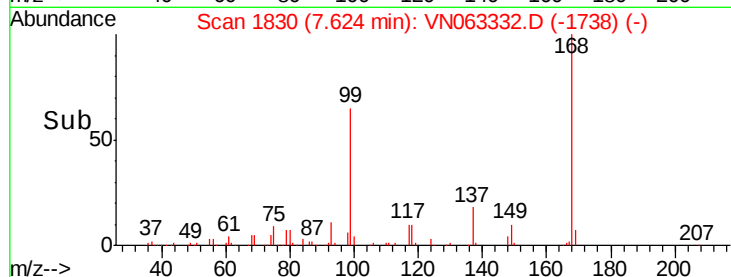
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Time-->

7.50

7.60

7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063332.D

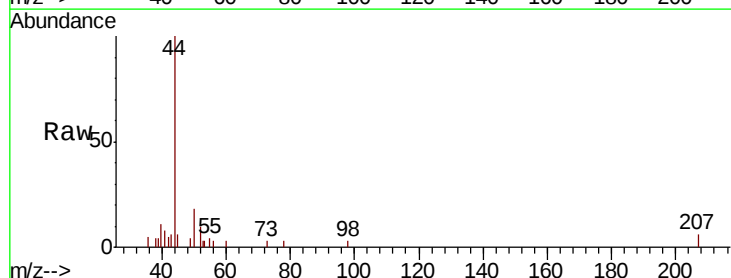
Acq: 14 Sep 2020 10:41

Tgt Ion: 50 Resp: 1988

Ion Ratio Lower Upper

50 100

52 53.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

600

400

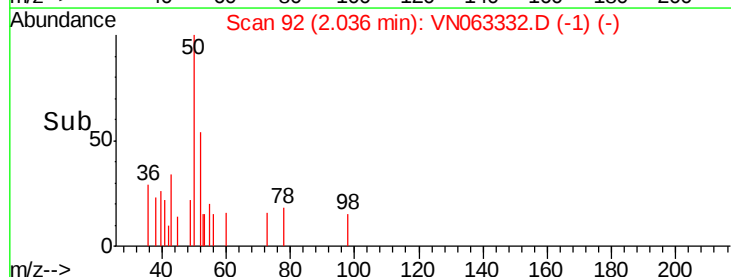
200

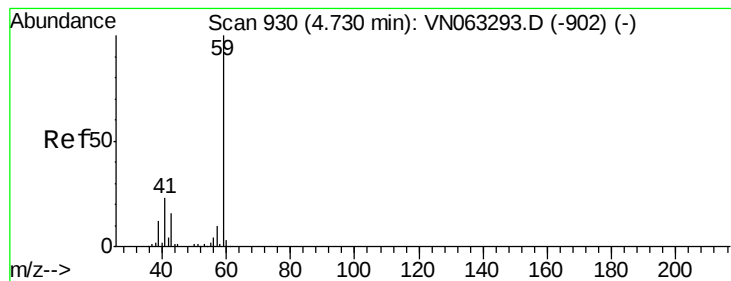
0

Time-->

2.00

2.05





#11

Tert butyl alcohol

Concen: 0.308 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampled :

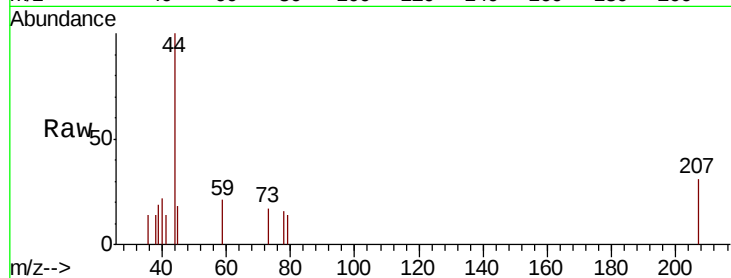
VN0914MBL01

Tot Ion: 59 Resp: 258

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

250

200

150

100

50

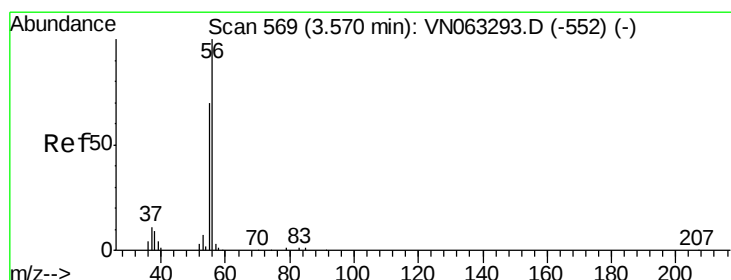
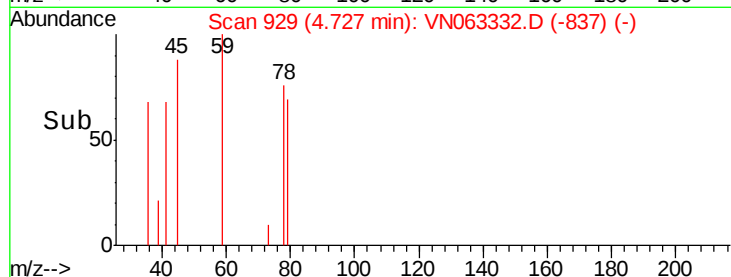
0

4.70

4.72

4.74

Time-->



#13

Acrolein

Concen: 32.911 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN063332.D

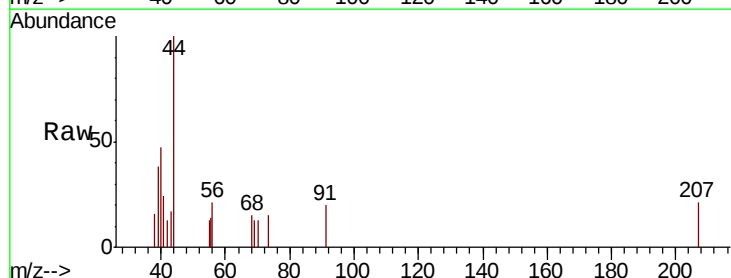
Acq: 14 Sep 2020 10:41

Tgt Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 112.6 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

400

300

200

100

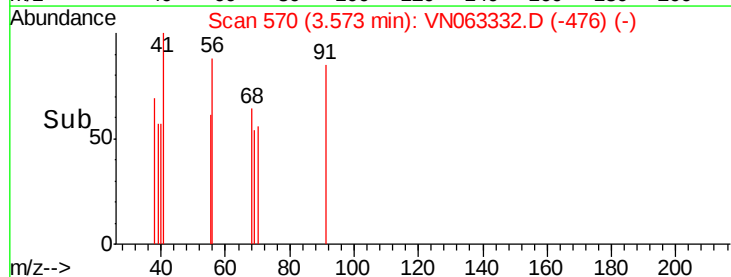
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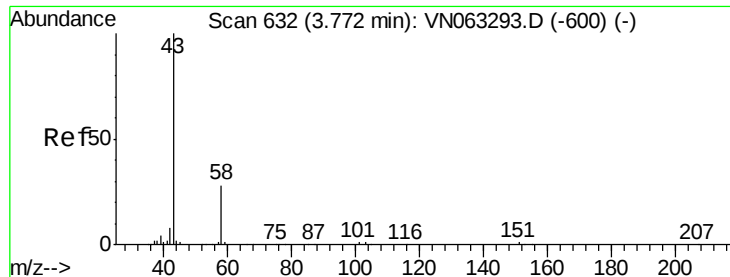
3.56

3.57

3.58

Time-->





#16

Acetone

Concen: 0.524 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampled :

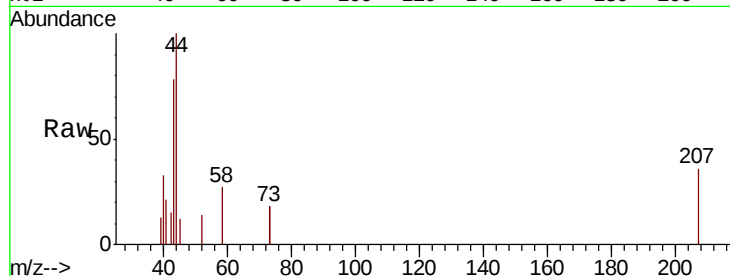
VN0914MBL01

Tot Ion: 43 Resp: 1146

Ion Ratio Lower Upper

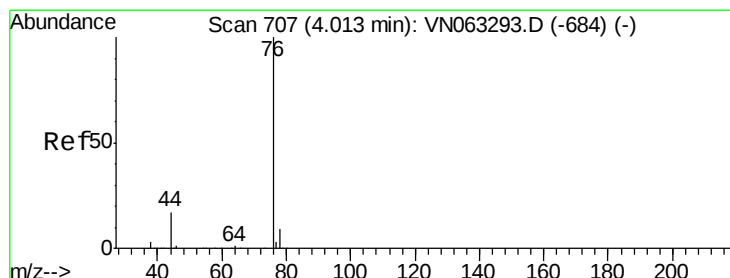
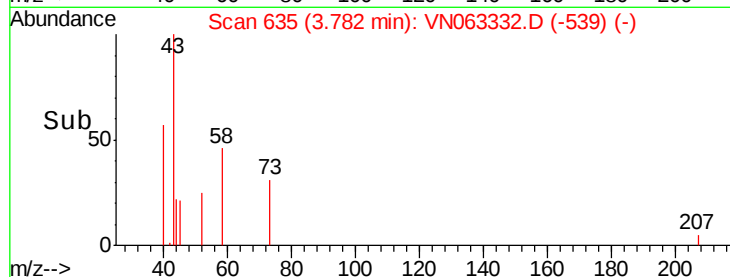
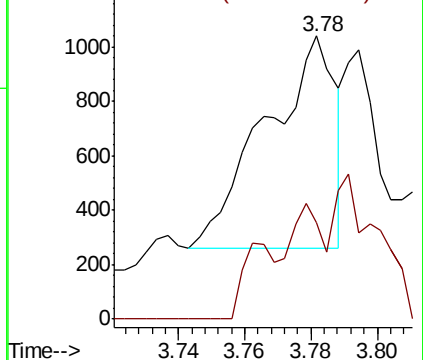
43 100

58 45.4 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: 4.00 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN063332.D

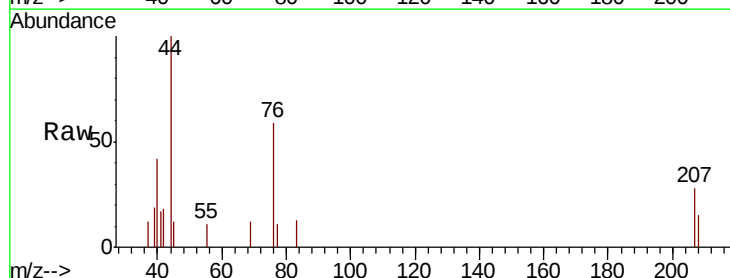
Acq: 14 Sep 2020 10:41

Tgt Ion: 76 Resp: 959

Ion Ratio Lower Upper

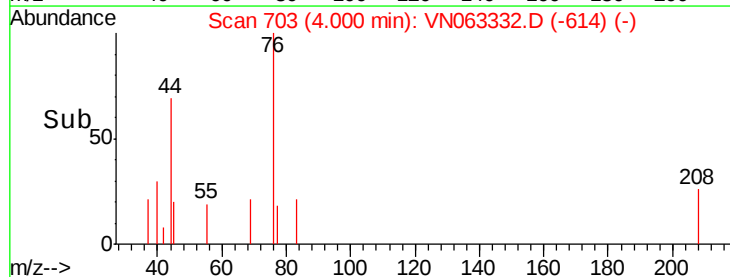
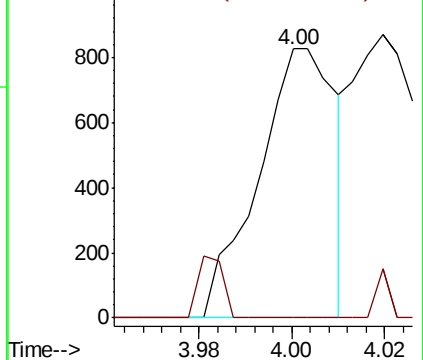
76 100

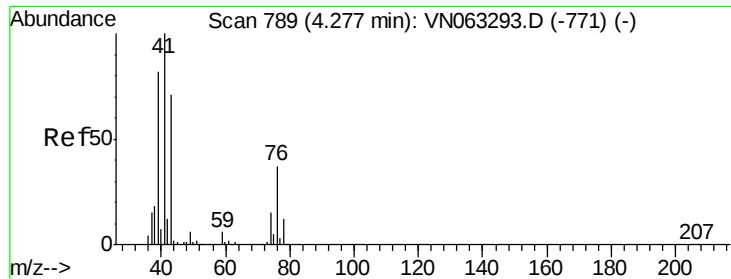
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

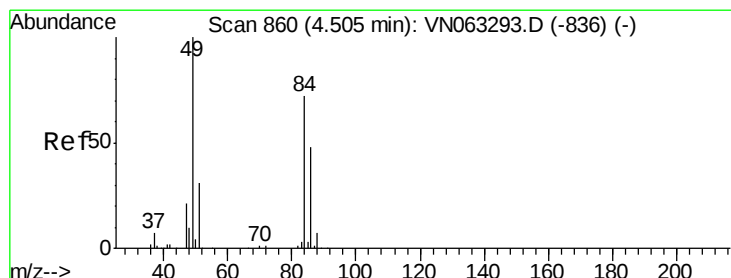
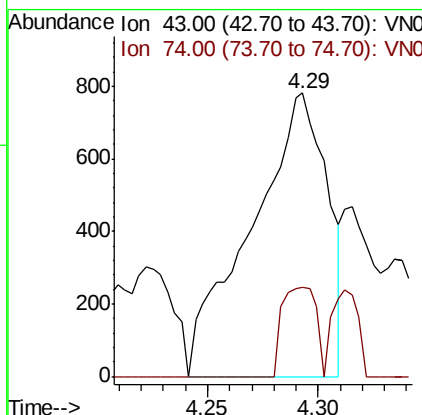
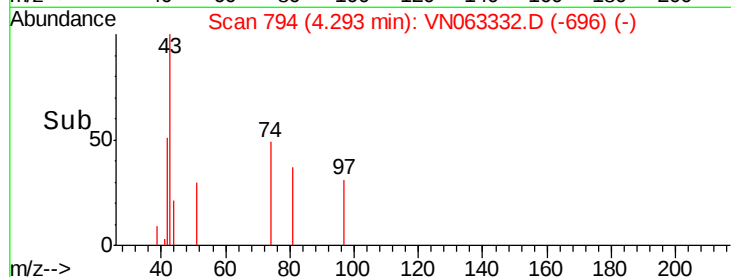
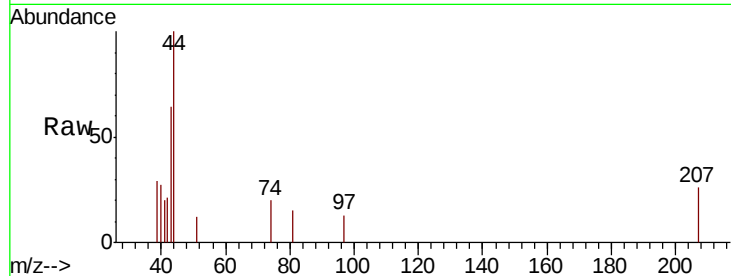




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

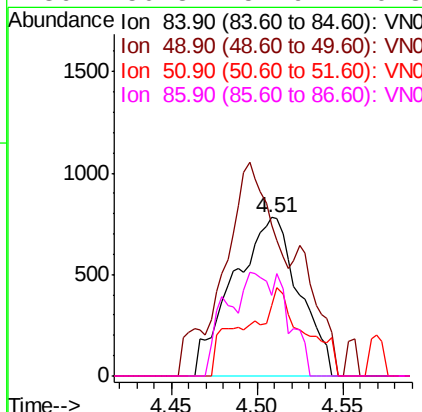
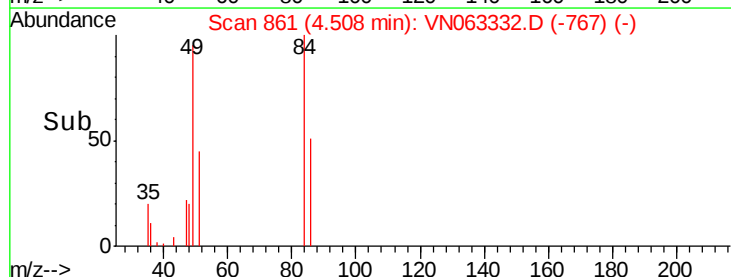
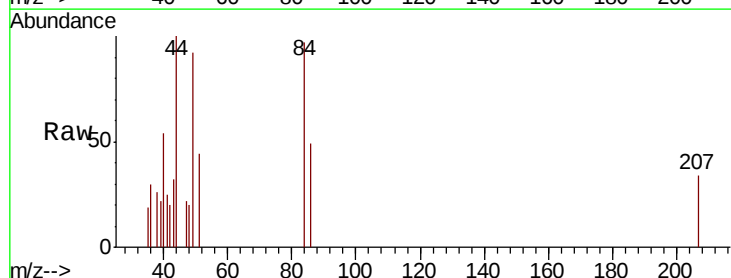
Instrument :
MSVOA_N
ClientSampled :
VN0914MBL01

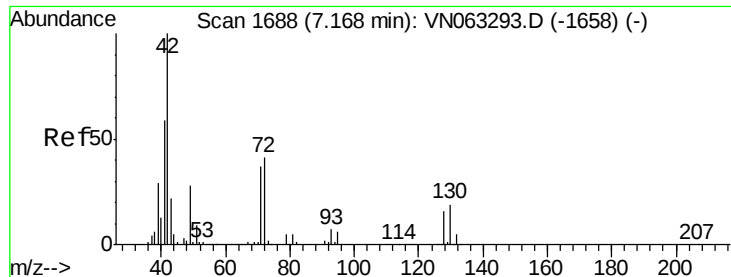
Tot Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
74 13.9 17.8 26.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Tgt Ion: 84 Resp: 2081
Ion Ratio Lower Upper
84 100
49 95.1 111.1 166.7#
51 44.8 34.3 51.5
86 50.8 52.9 79.3#





#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

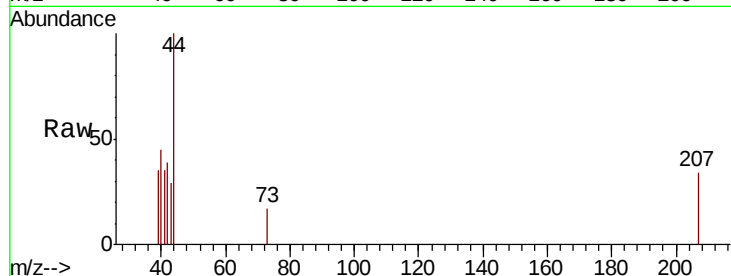
Tot Ion: 42 Resp: 466

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

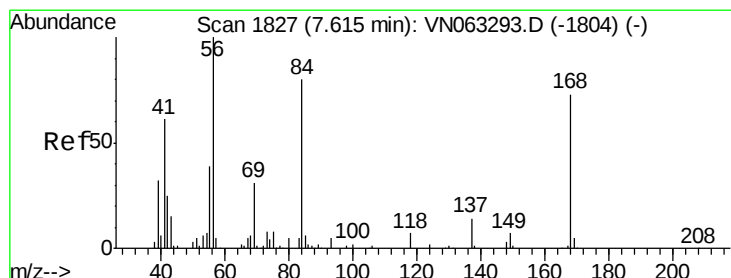
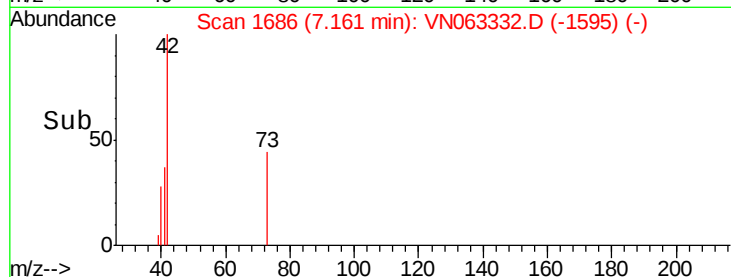
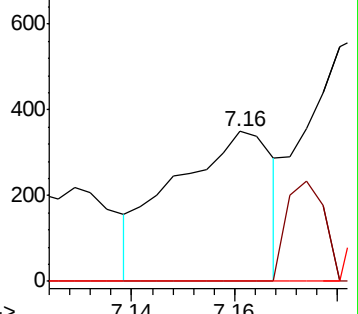
71 0.0 30.0 45.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

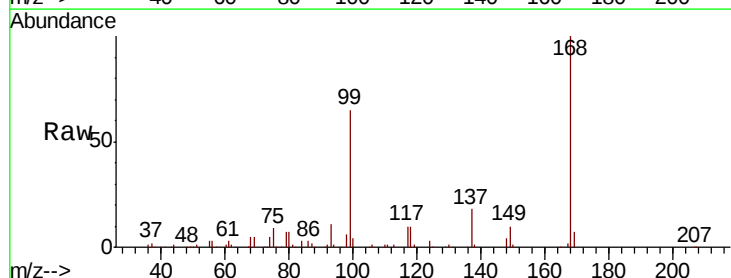
Tgt Ion: 56 Resp: 11797

Ion Ratio Lower Upper

56 100

69 158.8 25.1 37.7#

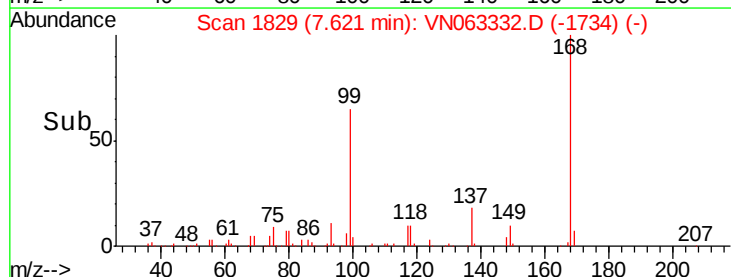
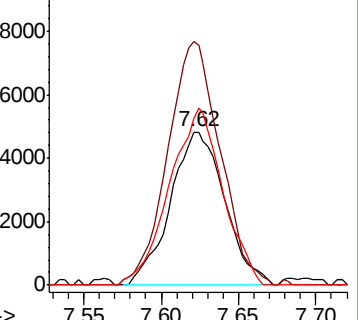
84 108.4 64.2 96.2#

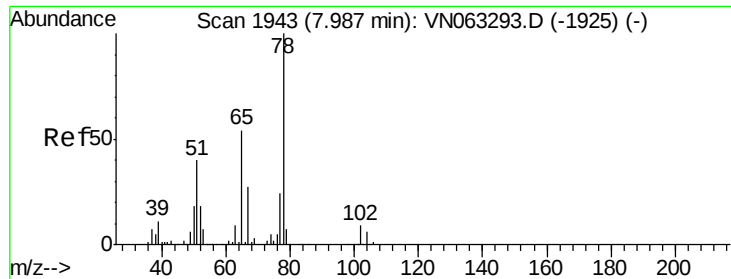


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.728 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampled :

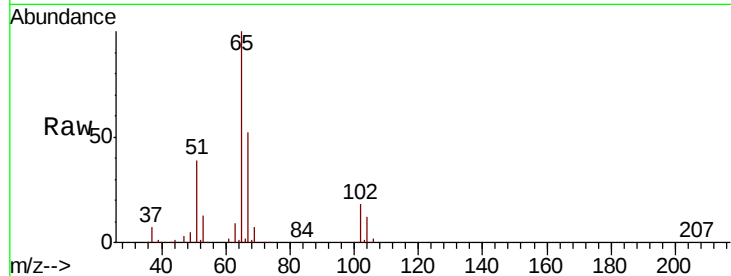
VN0914MBL01

Tot Ion: 65 Resp: 315090

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.98

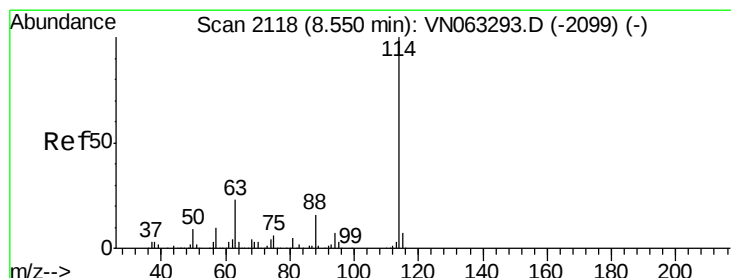
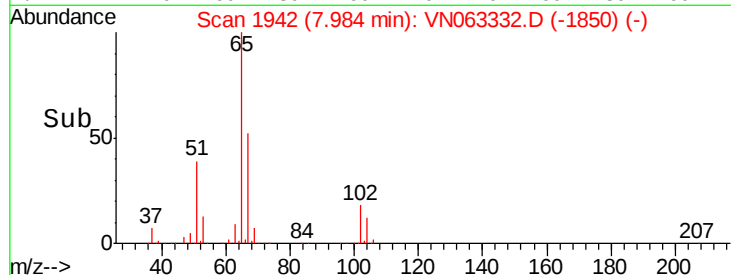
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

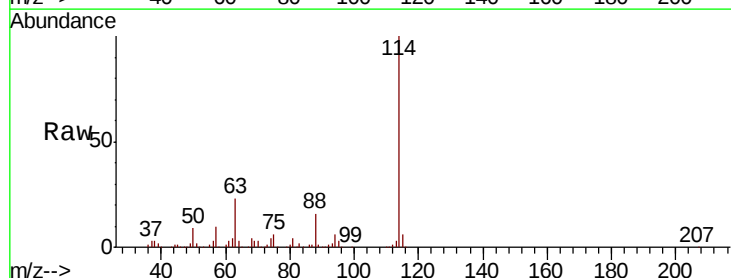
Tgt Ion: 114 Resp: 755920

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.0

88 16.2 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

500000

400000

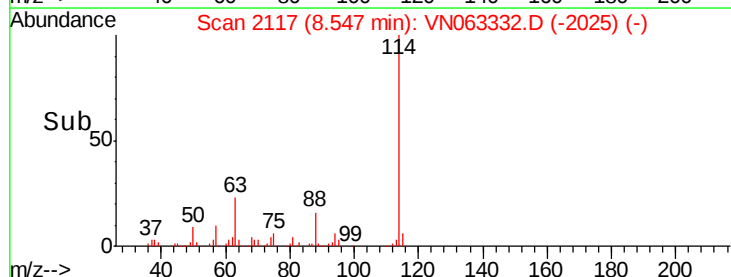
300000

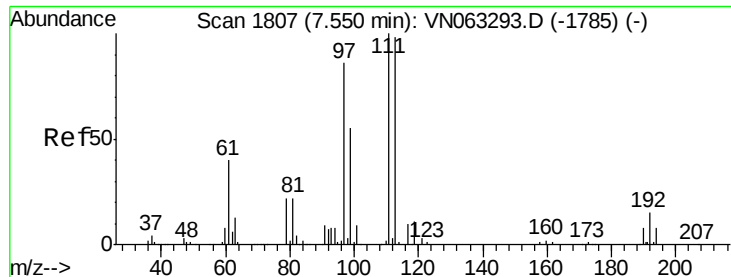
200000

100000

0

Time-->

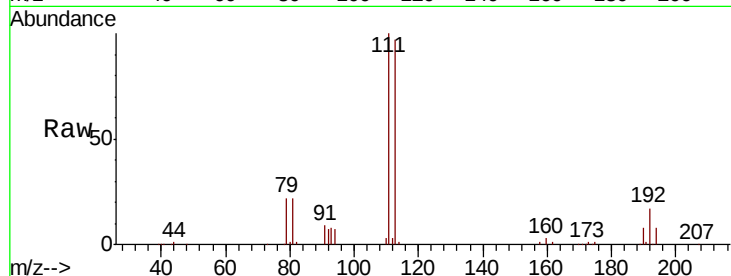




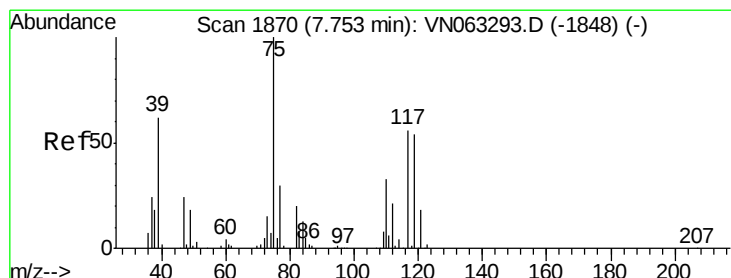
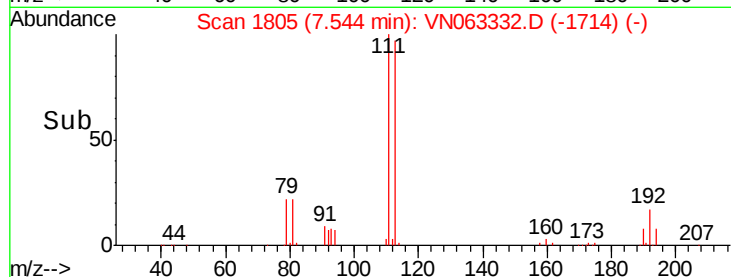
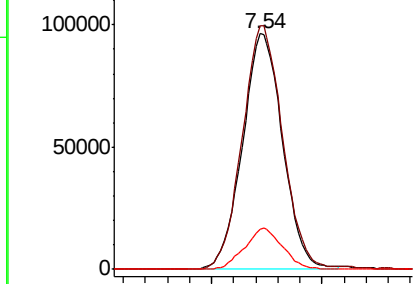
#35
Dibromofluoromethane
Concen: 49.816 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.2
192	16.6	12.9	19.3

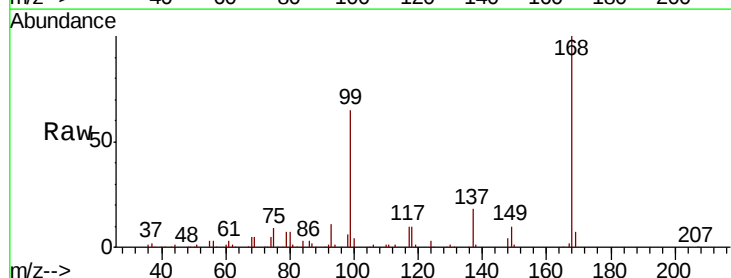


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

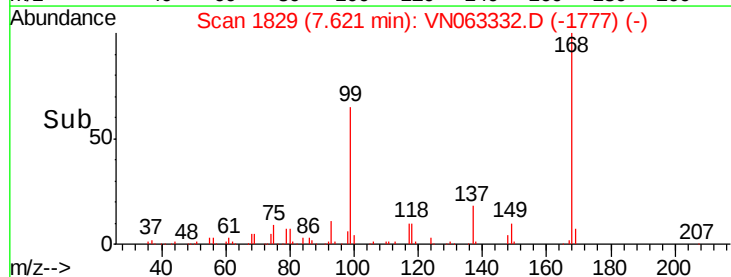
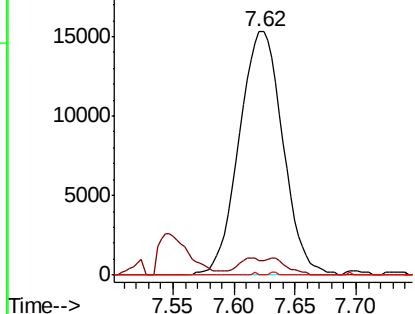


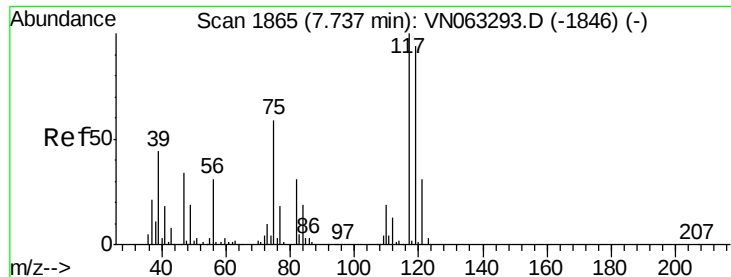
#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.13 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.8	16.4	49.4#
77	0.1	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

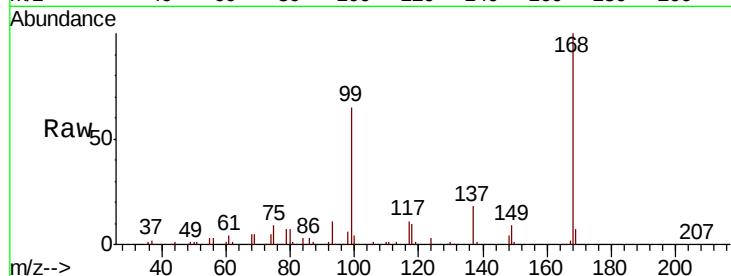
Tot Ion:117 Resp: 44878

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

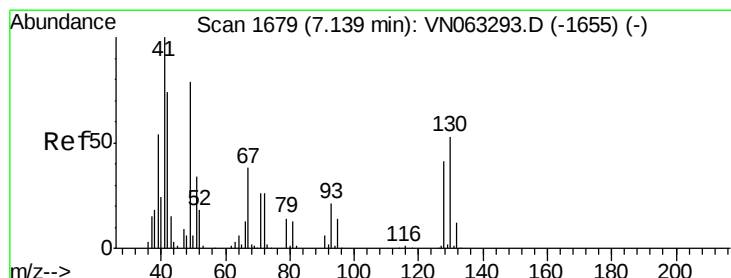
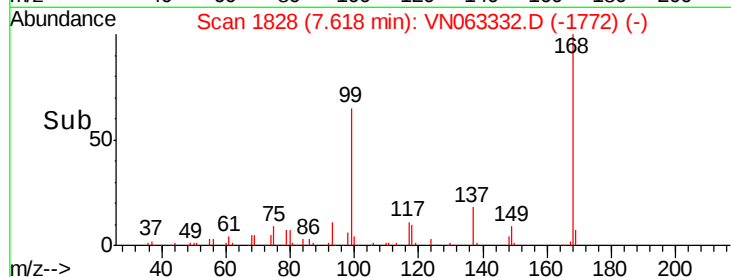
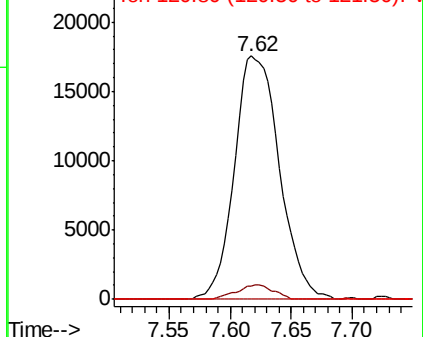
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.237 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Tgt Ion: 41 Resp: 818

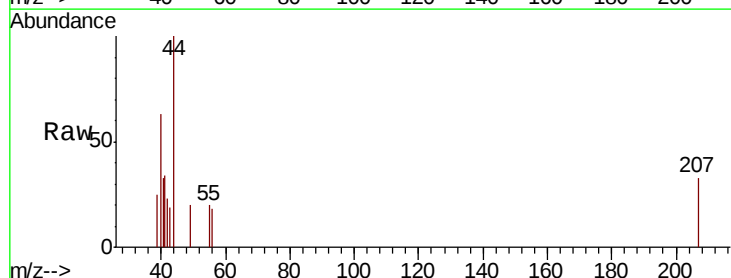
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

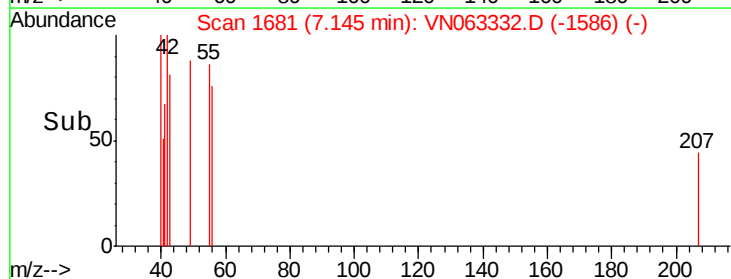
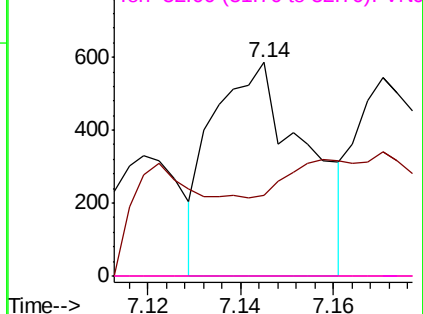


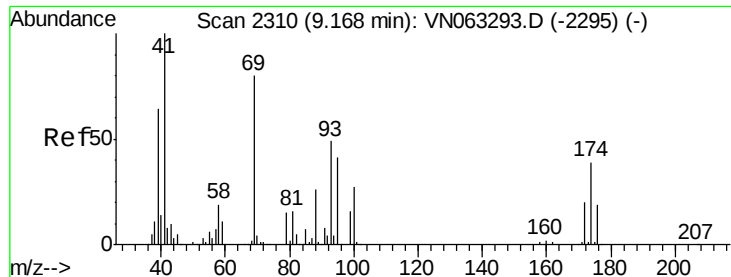
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

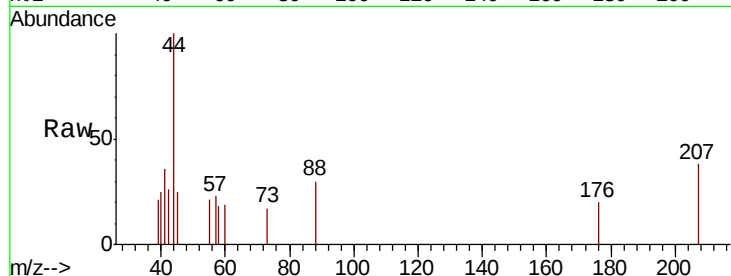




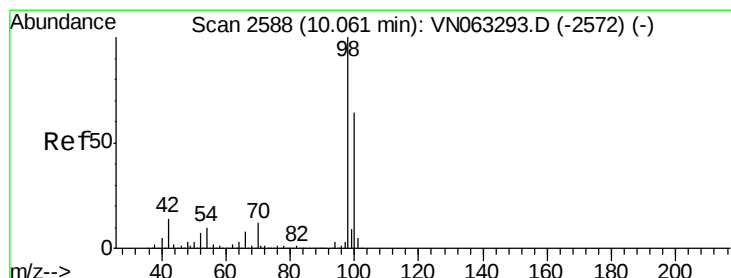
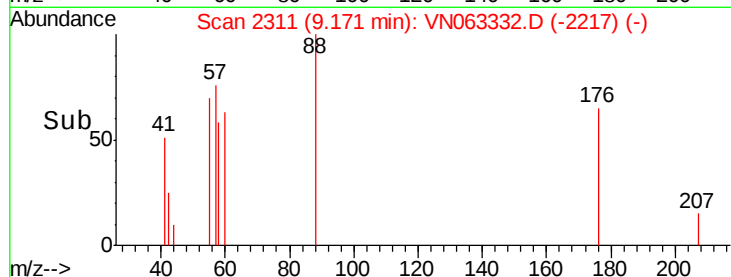
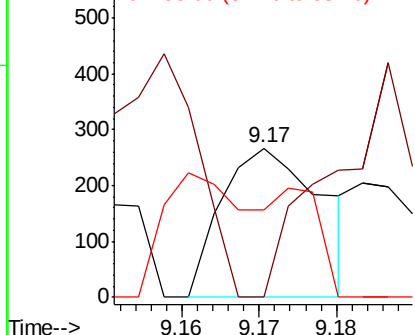
#49
1,4-Dioxane
Concen: 2.509 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Instrument :
MSVOA_N
ClientSampled :
VN0914MBL01

Tot Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 0.0 30.5 45.7#
58 60.0 58.9 88.3

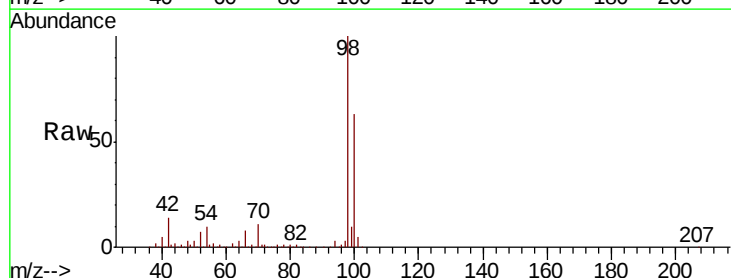


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

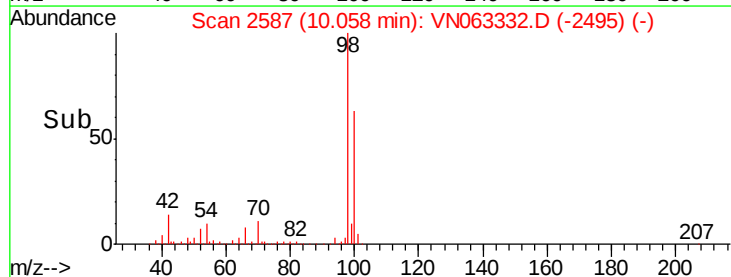
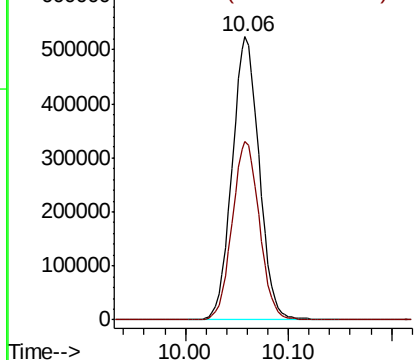


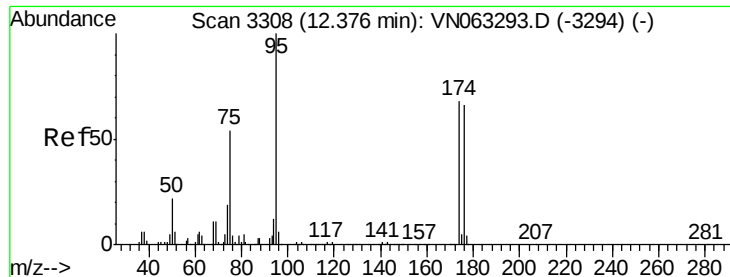
#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Tgt Ion: 98 Resp: 957646
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

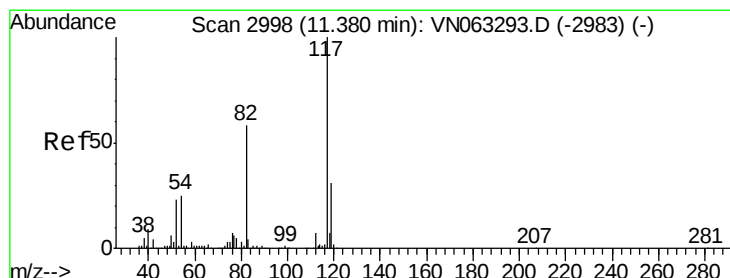
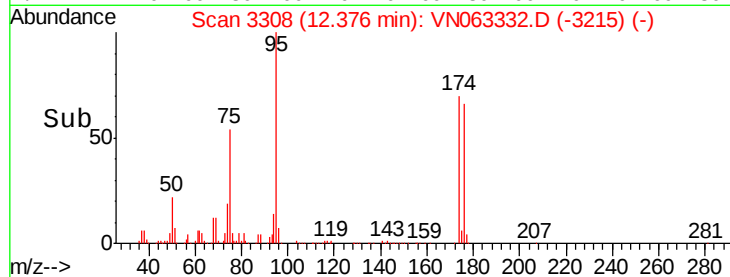
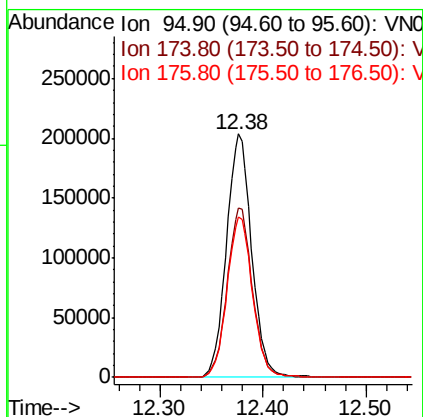
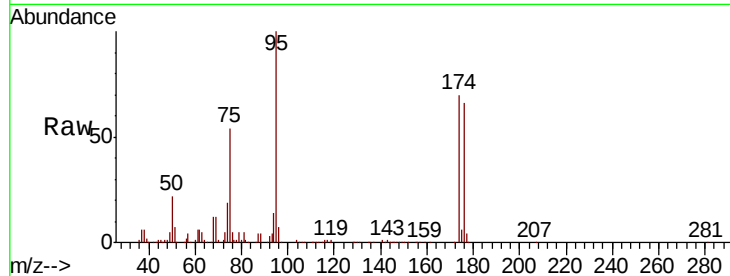




#62
4-Bromofluorobenzene
Concen: 50.321 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

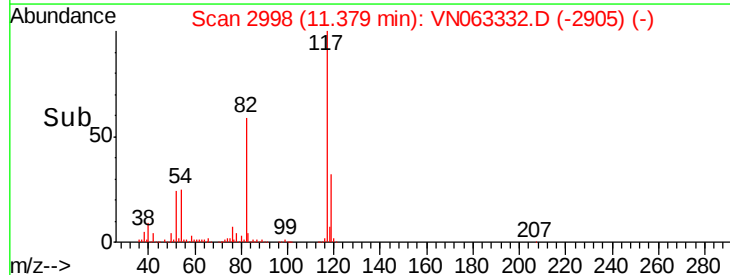
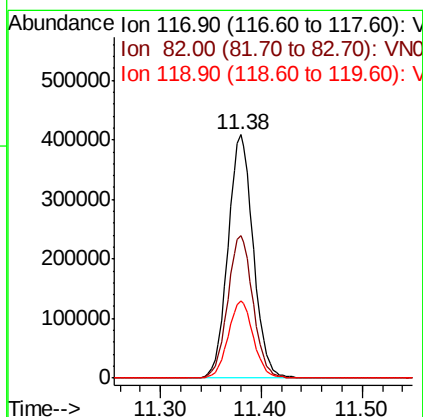
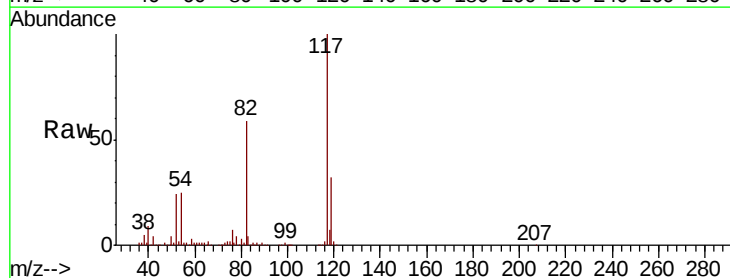
Instrument :
MSVOA_N
ClientSampled :
VN0914MBL01

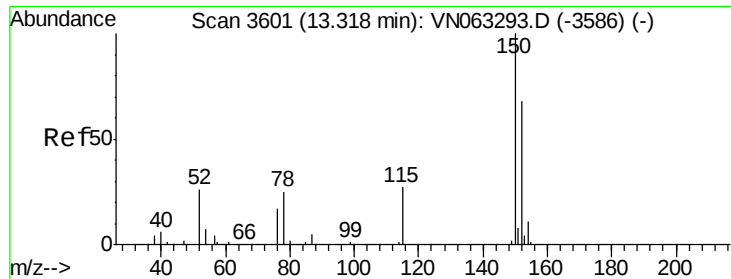
Tot Ion: 95 Resp: 347347
Ion Ratio Lower Upper
95 100
174 69.4 0.0 136.6
176 66.5 0.0 132.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063332.D
Acq: 14 Sep 2020 10:41

Tgt Ion: 117 Resp: 712128
Ion Ratio Lower Upper
117 100
82 58.7 46.4 69.6
119 31.9 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: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

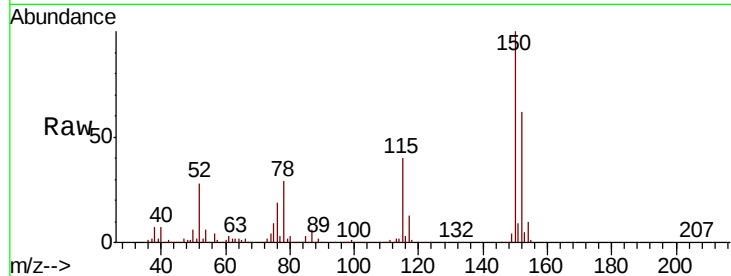
Tot Ion:152 Resp: 274243

Ion Ratio Lower Upper

152 100

115 64.1 31.5 94.5

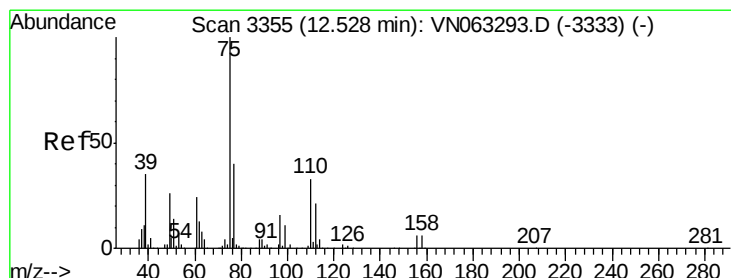
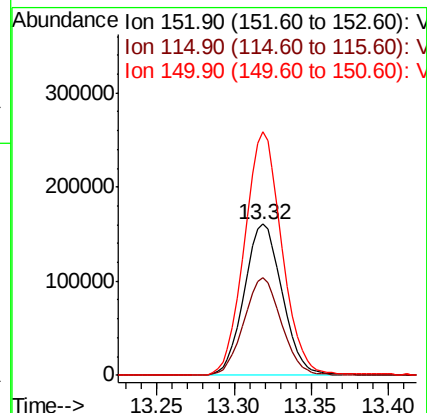
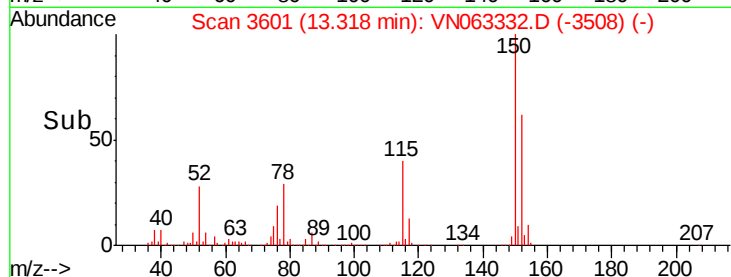
150 158.8 0.0 344.0



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: 31.336 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063332.D

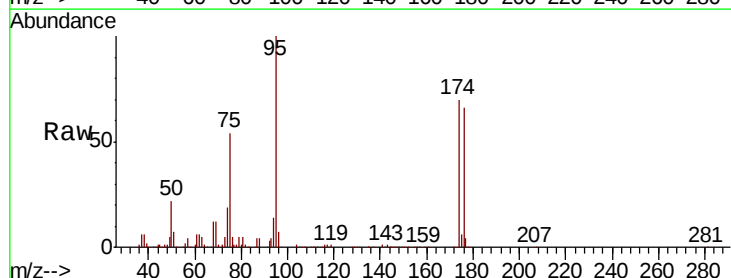
Acq: 14 Sep 2020 10:41

Tgt Ion: 75 Resp: 189588

Ion Ratio Lower Upper

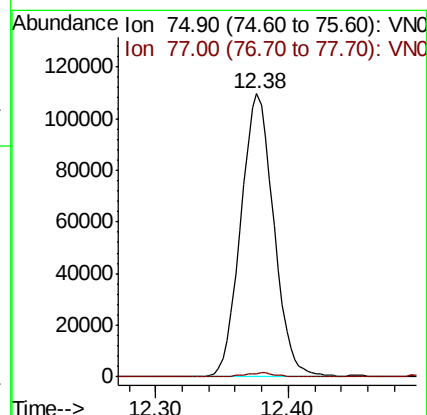
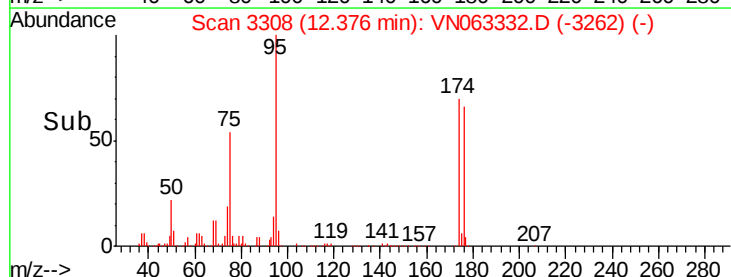
75 100

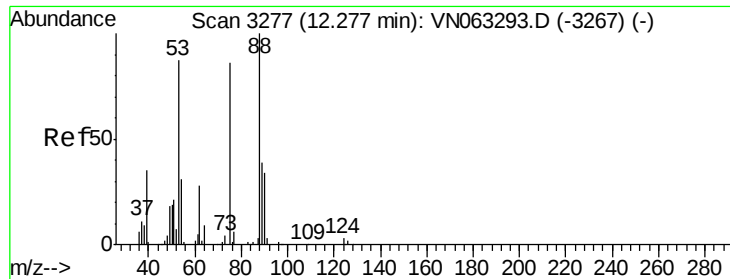
77 1.4 0.0 0.0#



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: 84.193 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

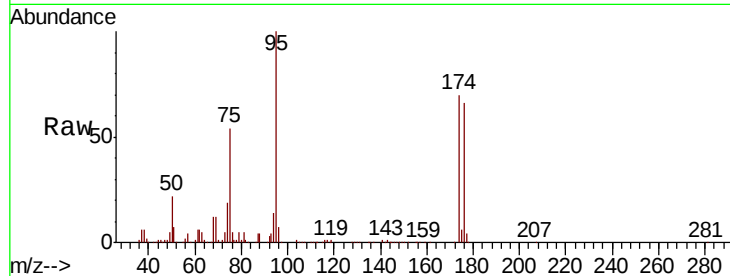
Tot Ion: 75 Resp: 189588

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

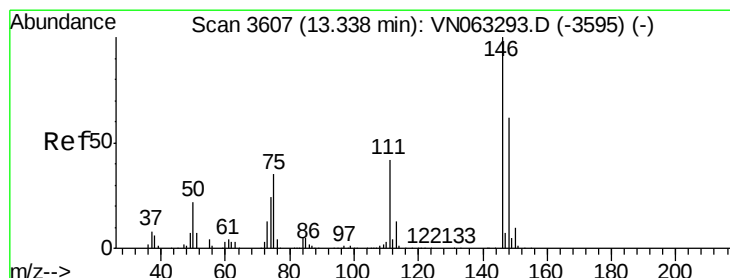
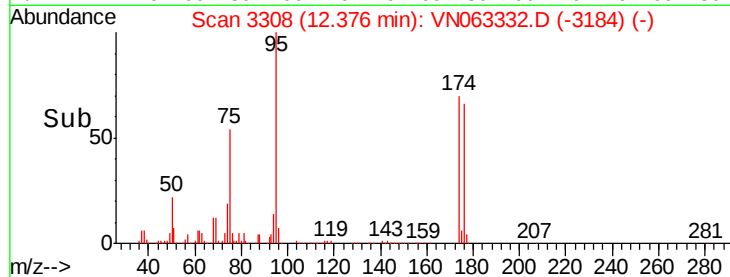
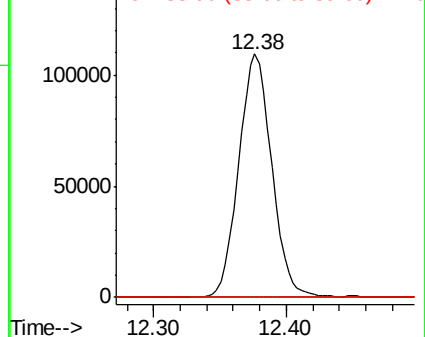
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

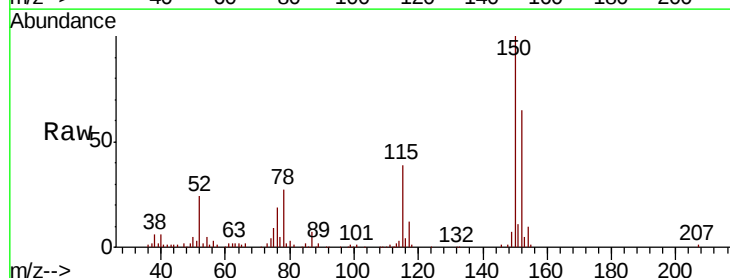
Tgt Ion: 146 Resp: 1011

Ion Ratio Lower Upper

146 100

111 438.2 21.3 64.0#

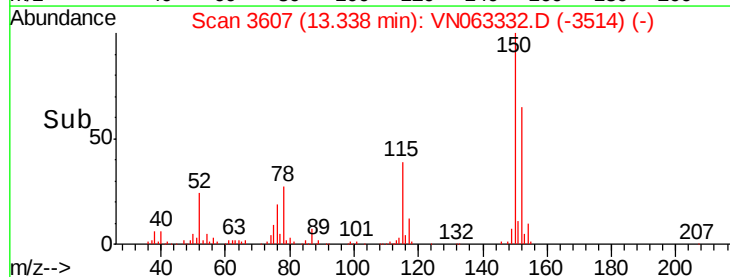
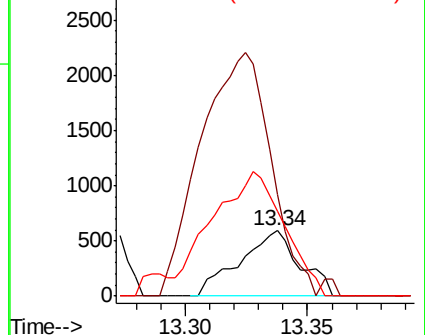
148 231.8 31.5 94.5#

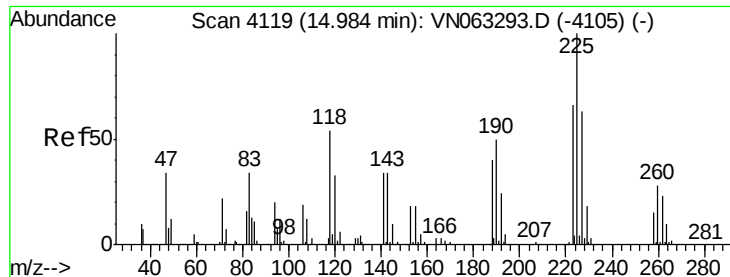


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.98 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

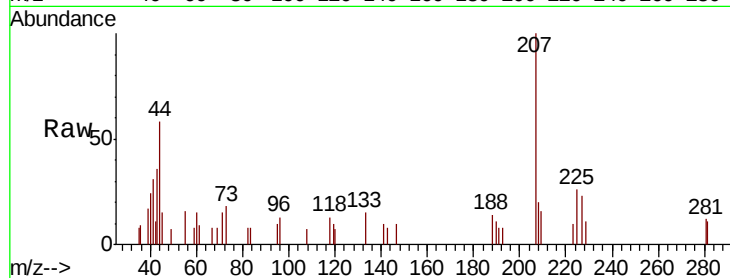
Tot Ion:225 Resp: 659

Ion Ratio Lower Upper

225 100

223 17.1 31.3 93.9#

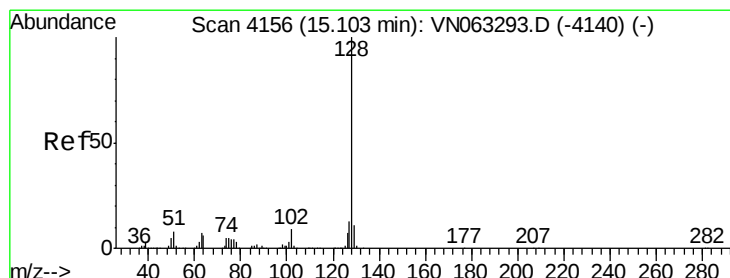
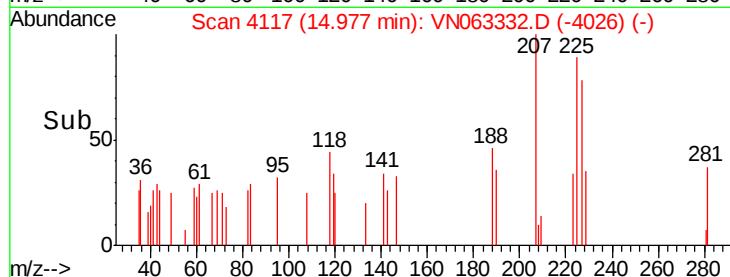
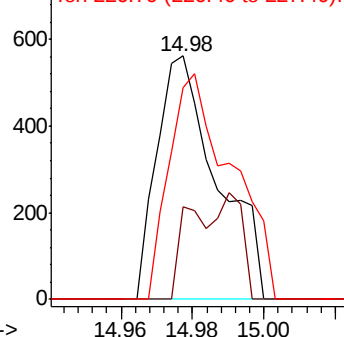
227 95.9 31.2 93.6#



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# 4158

Delta R.T. 0.01 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

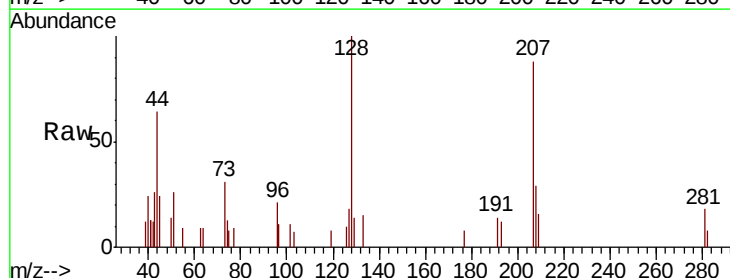
Tgt Ion:128 Resp: 4952

Ion Ratio Lower Upper

128 100

127 10.3 10.3 15.5#

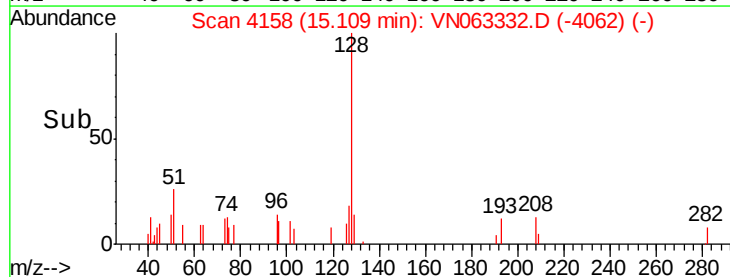
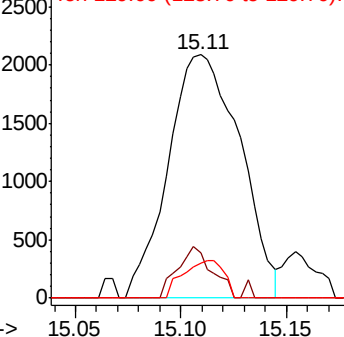
129 8.7 8.6 12.8

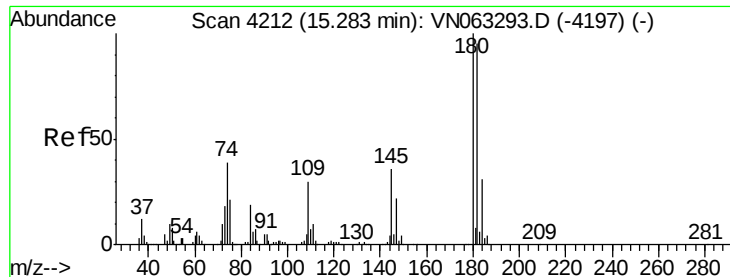


Abundance Ion 128.00 (127.70 to 128.70): V

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: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063332.D

Acq: 14 Sep 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBL01

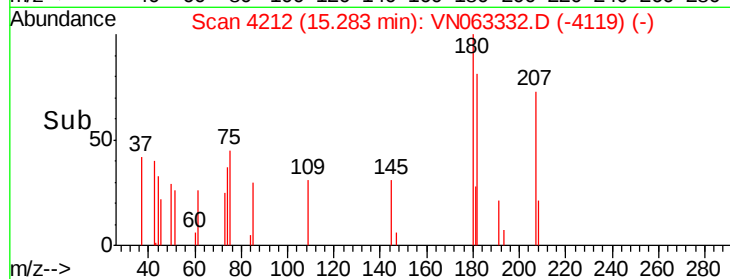
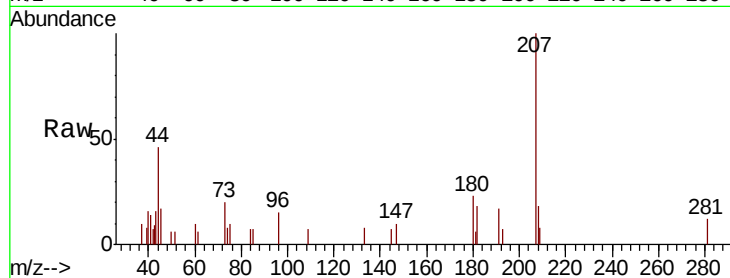
Tot Ion:180 Resp: 1218

Ion Ratio Lower Upper

180 100

182 102.1 47.4 142.3

145 32.6 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

