

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063300.D
 Acq On : 10 Sep 2020 17:46
 Operator : JC/MD
 Sample : L3931-01
 Misc : 4.29µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1-1

Quant Time: Sep 11 06:09:56 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	387456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	722678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	685653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	266738	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	295508	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.55	113	225341	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.06	98	909592	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.38	95	327562	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

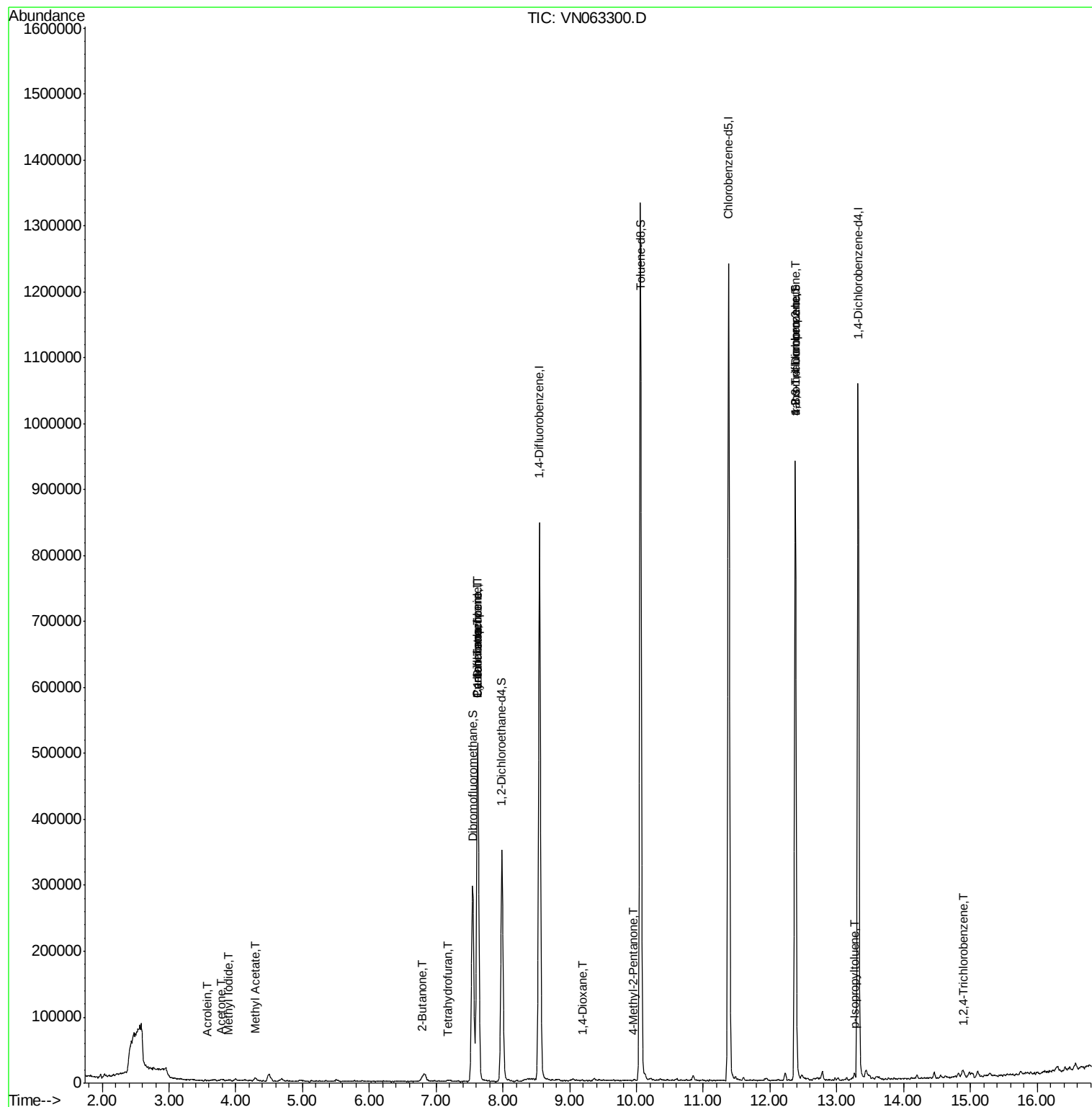
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	2551	Below Cal	#	86
10) Methyl Iodide	3.89	142	1652	0.300	ug/l #	71
13) Acrolein	3.58	56	66	32.589	ug/l #	14
16) Acetone	3.78	43	667	0.317	ug/l #	68
17) Carbon Disulfide	4.00	76	4690	Below Cal		97
18) Methyl Acetate	4.29	43	7741	1.465	ug/l #	83
25) 2-Butanone	6.79	43	3101	0.999	ug/l	98
29) Tetrahydrofuran	7.18	42	915	0.453	ug/l #	55
31) Cyclohexane	7.62	56	11198	1.312	ug/l #	36
36) 1,1-Dichloropropene	7.62	75	35490	4.778	ug/l #	52
38) Carbon Tetrachloride	7.62	117	41675	5.700	ug/l #	17
49) 1,4-Dioxane	9.18	88	450	4.922	ug/l #	54
51) 4-Methyl-2-Pentanone	9.96	43	2360	0.346	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	178298	30.299	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	178298	81.407	ug/l #	9
86) p-Isopropyltoluene	13.26	119	3935	0.223	ug/l	97
88) 1,4-Dichlorobenzene	13.26	146	1462	Below Cal		88
93) 1,2,4-Trichlorobenzene	14.89	180	1417	0.271	ug/l	88
94) Hexachlorobutadiene	14.98	225	846	Below Cal		76
95) Naphthalene	15.11	128	6233	Below Cal	#	90
96) 1,2,3-Trichlorobenzene	15.29	180	1660	Below Cal		93

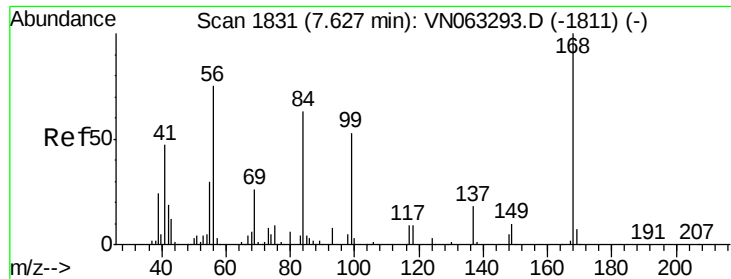
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091020\
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Misc : 4.29µL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SP-1-1

Quant Time: Sep 11 06:09:56 2020
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: VN063300.D

Acq: 10 Sep 2020 17:46

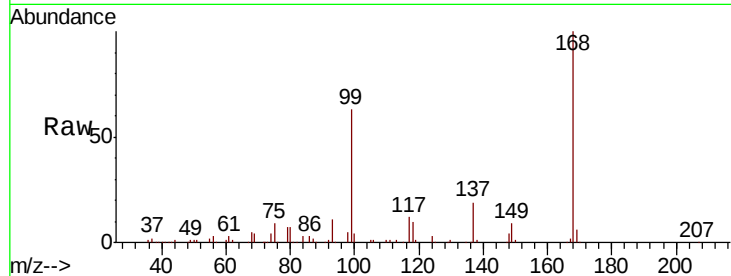
Instrument :
MSVOA_N
ClientSampled :
SP-1-1

Tot Ion:168 Resp: 387456

Ion Ratio Lower Upper

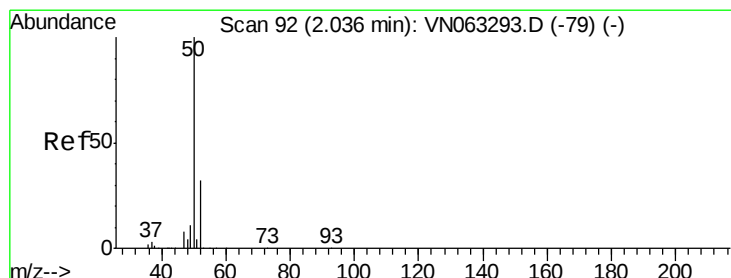
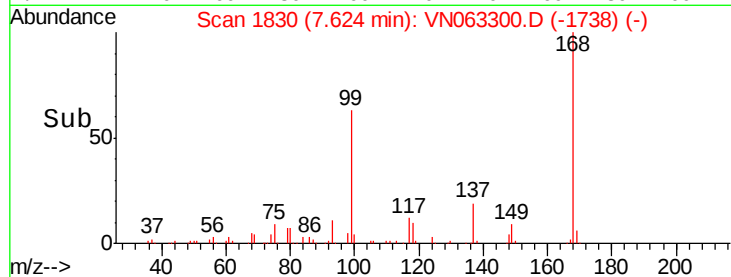
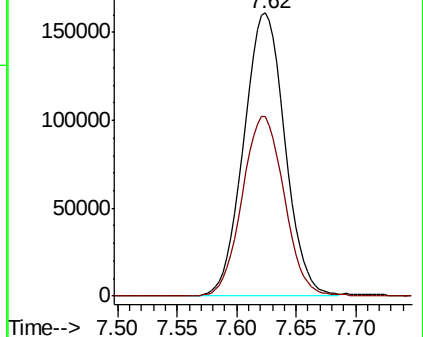
168 100

99 63.4 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063300.D

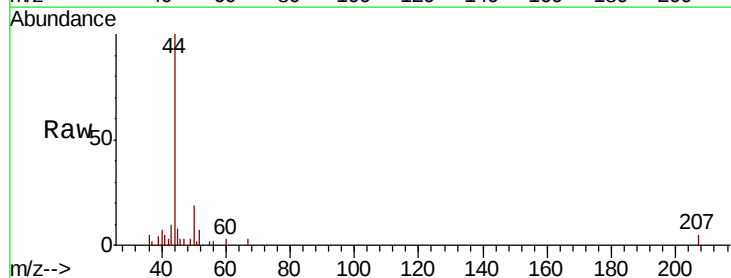
Acq: 10 Sep 2020 17:46

Tgt Ion: 50 Resp: 2551

Ion Ratio Lower Upper

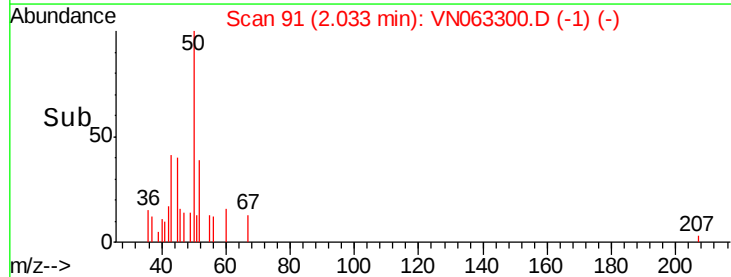
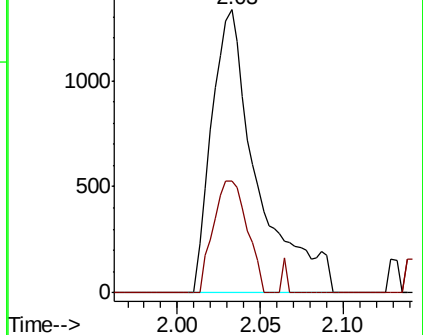
50 100

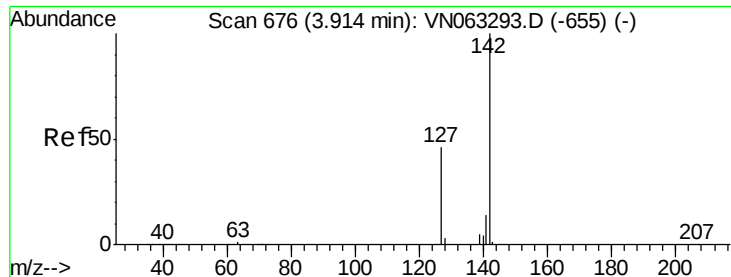
52 39.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

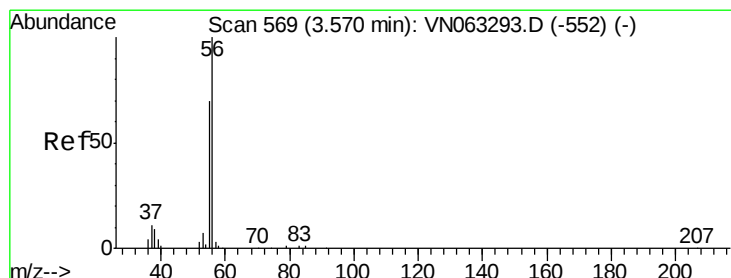
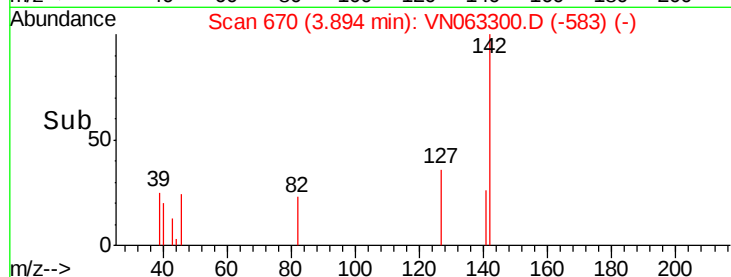
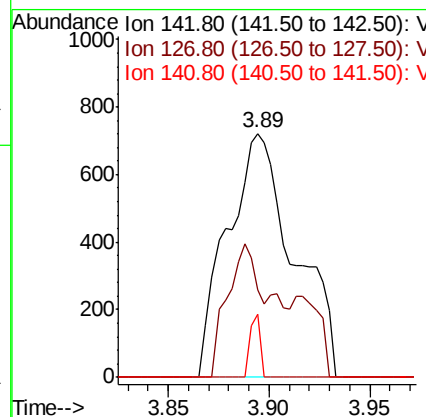
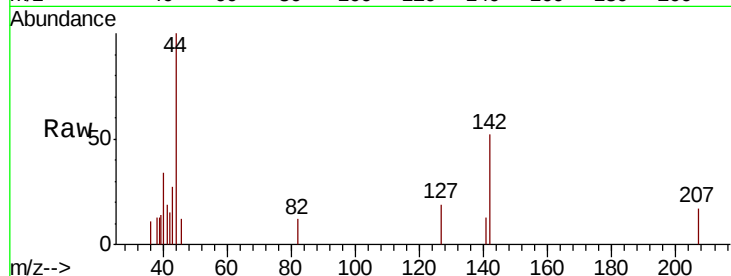




#10
Methvl Iodide
Concen: 0.300 ug/l
RT: 3.89 min Scan# 670
Delta R.T. -0.02 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

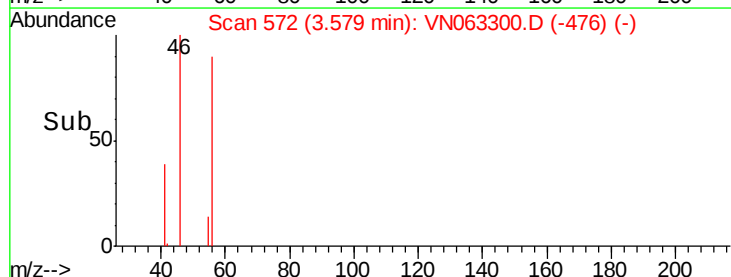
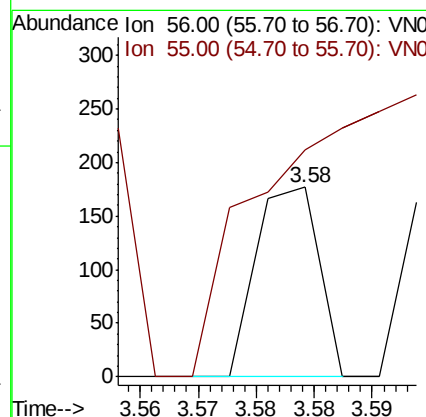
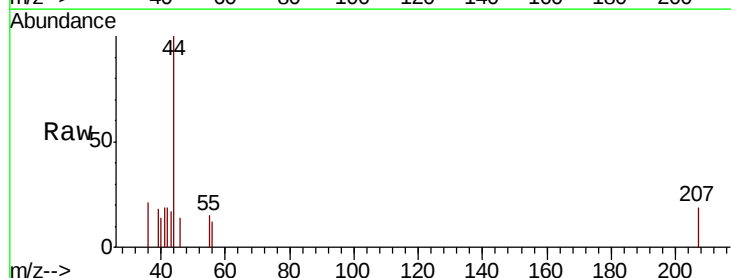
Instrument :
MSVOA_N
ClientSampled :
SP-1-1

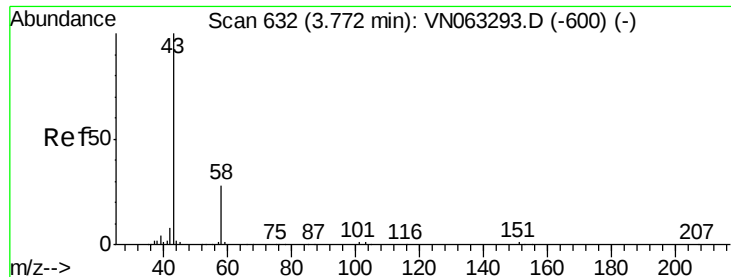
Tot Ion:142 Resp: 1652
Ion Ratio Lower Upper
142 100
127 26.3 37.1 55.7#
141 3.9 11.6 17.4#



#13
Acrolein
Concen: 32.589 ug/l
RT: 3.58 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#





#16

Acetone

Concen: 0.317 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampled :

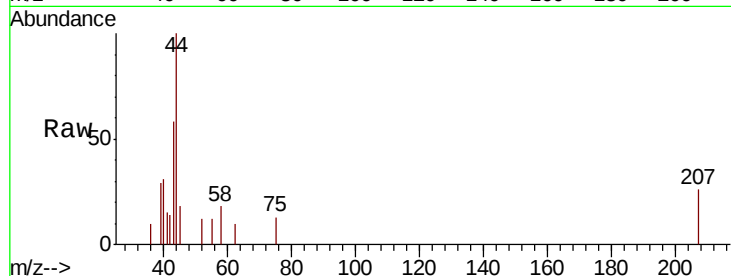
SP-1-1

Tot Ion: 43 Resp: 667

Ion Ratio Lower Upper

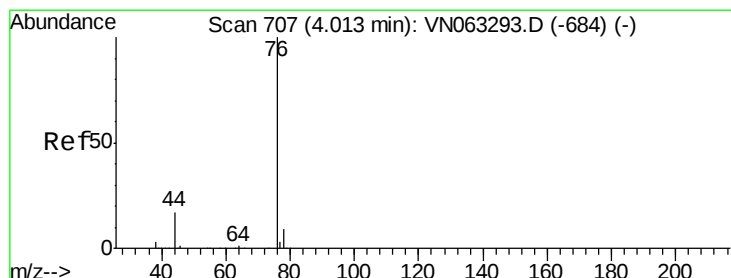
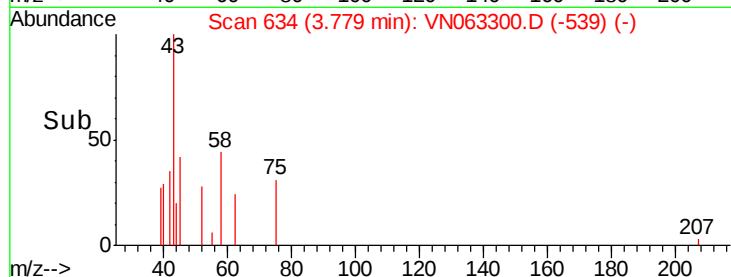
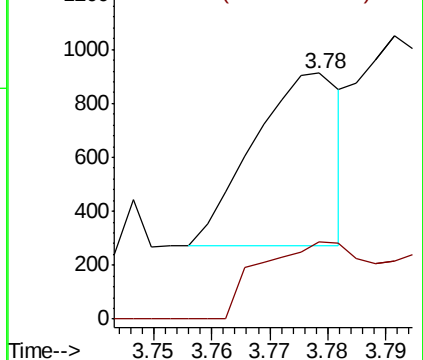
43 100

58 45.2 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# 702

Delta R.T. -0.02 min

Lab File: VN063300.D

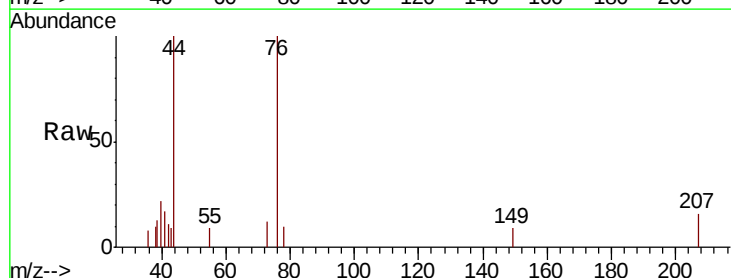
Acq: 10 Sep 2020 17:46

Tgt Ion: 76 Resp: 4690

Ion Ratio Lower Upper

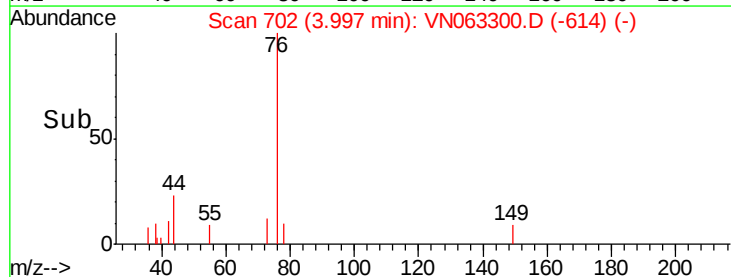
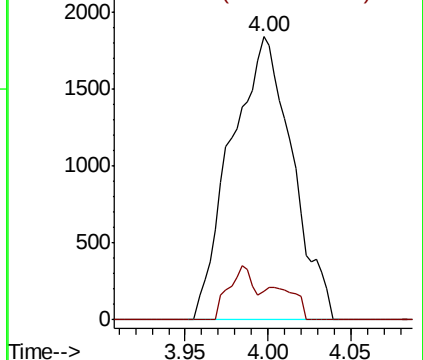
76 100

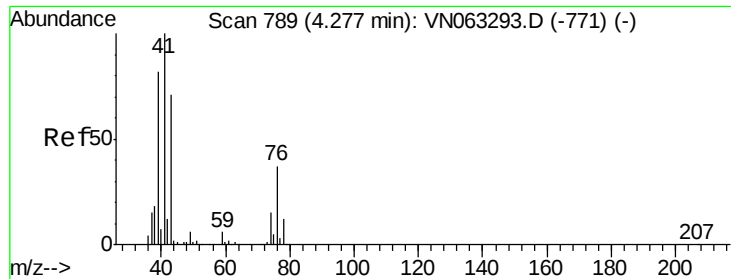
78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

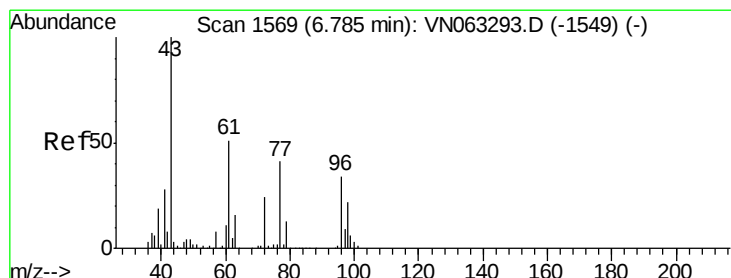
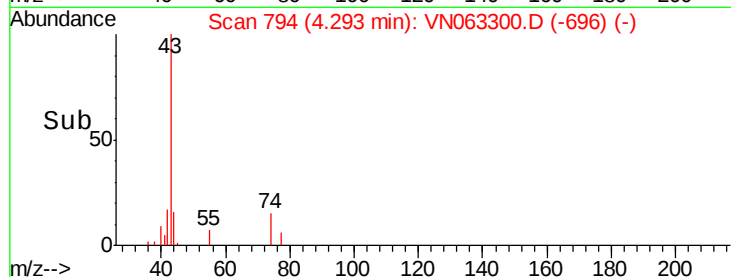
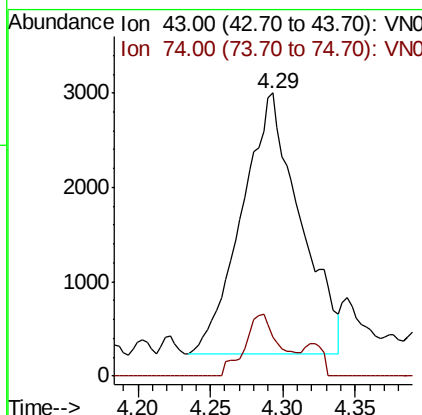
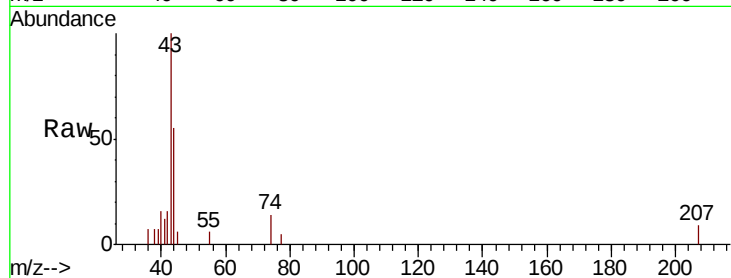




#18
Methvl Acetate
Concen: 1.465 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

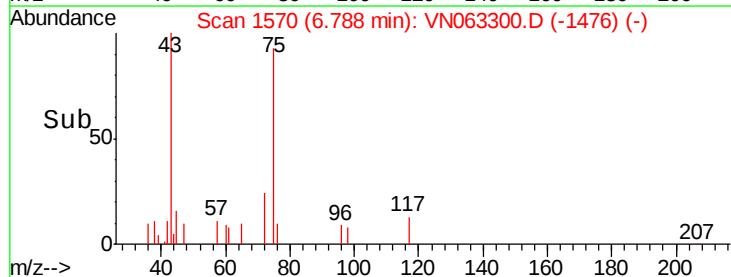
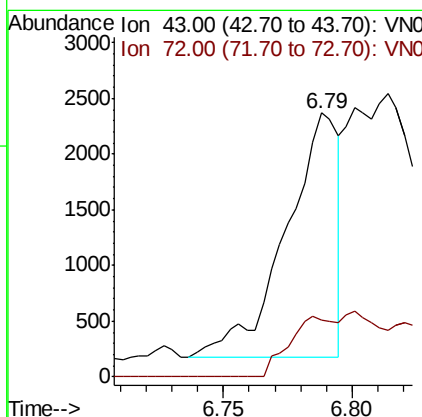
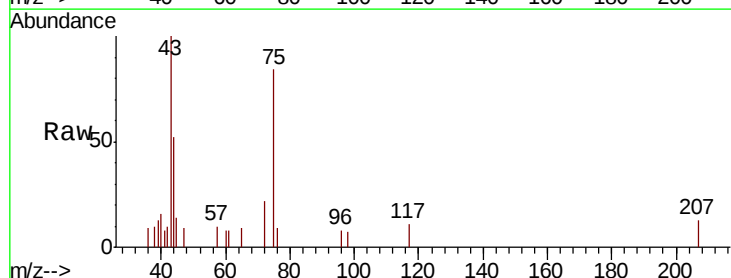
Instrument :
MSVOA_N
ClientSampleId :
SP-1-1

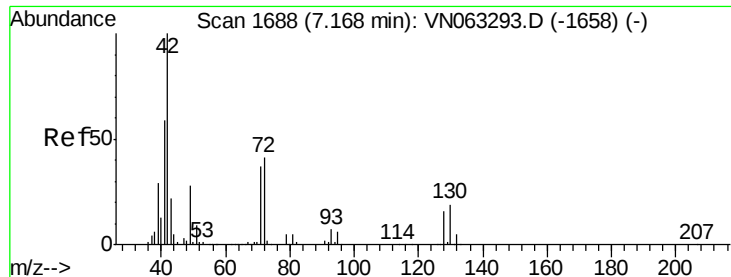
Tot Ion: 43 Resp: 7741
Ion Ratio Lower Upper
43 100
74 14.2 17.8 26.6#



#25
2-Butanone
Concen: 0.999 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Tgt Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
72 23.5 19.4 29.2

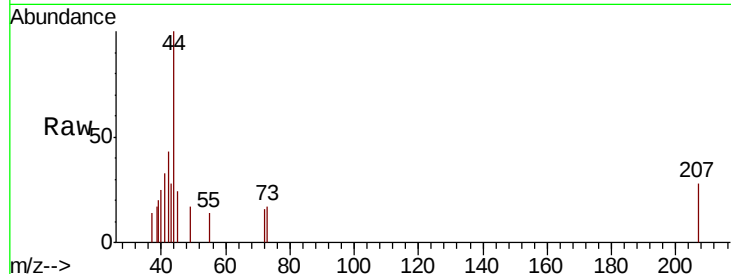




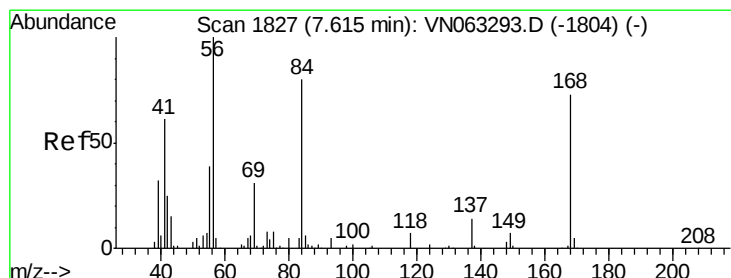
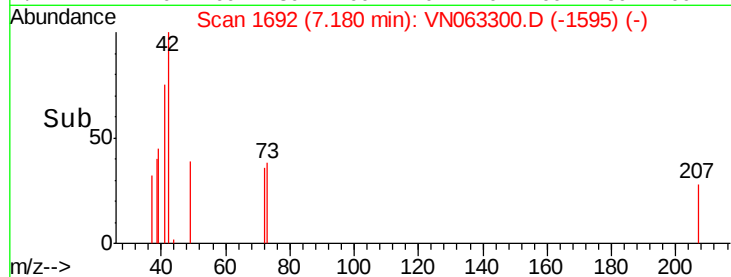
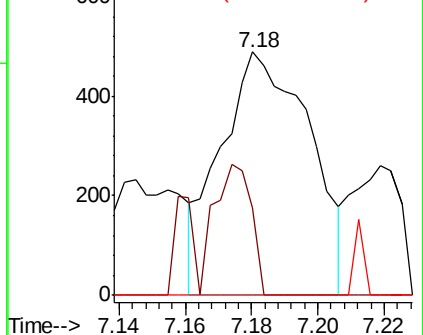
#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Instrument :
MSVOA_N
ClientSampled :
SP-1-1

Tot Ion: 42 Resp: 915
Ion Ratio Lower Upper
42 100
72 22.3 31.4 47.2#
71 0.0 30.0 45.0#

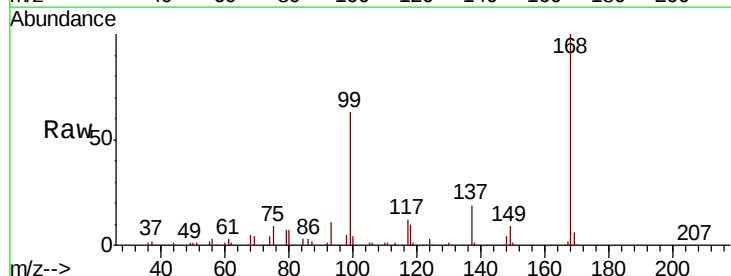


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

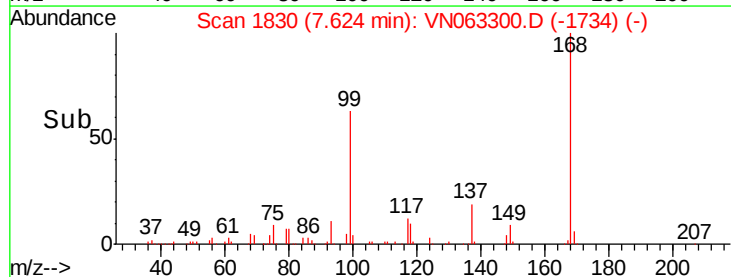
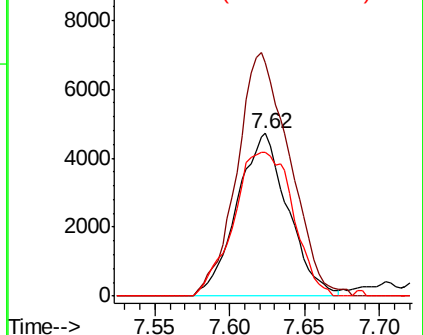


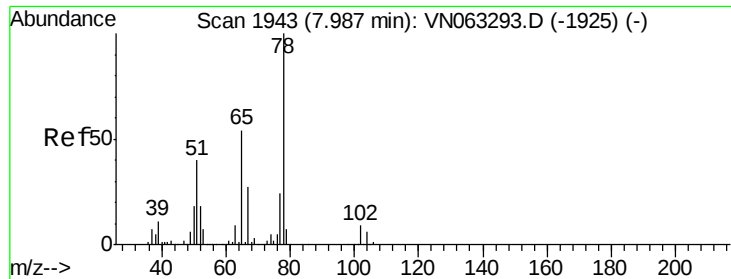
#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Tgt Ion: 56 Resp: 11198
Ion Ratio Lower Upper
56 100
69 143.7 25.1 37.7#
84 88.4 64.2 96.2



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: 48.544 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

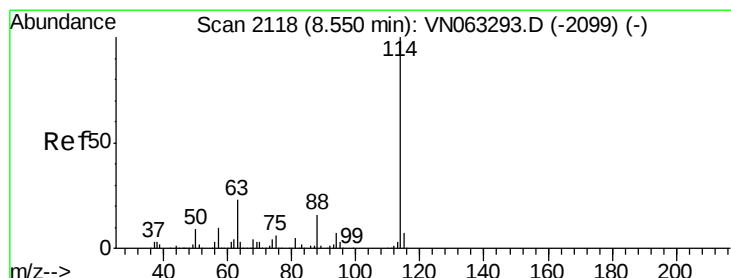
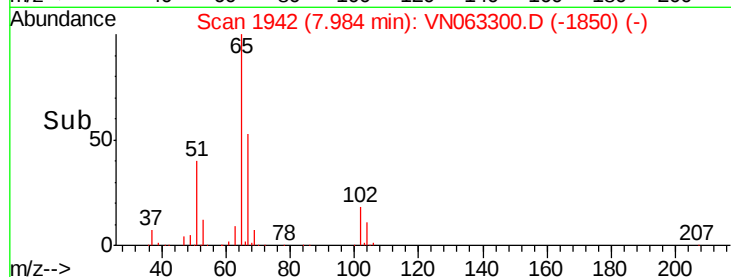
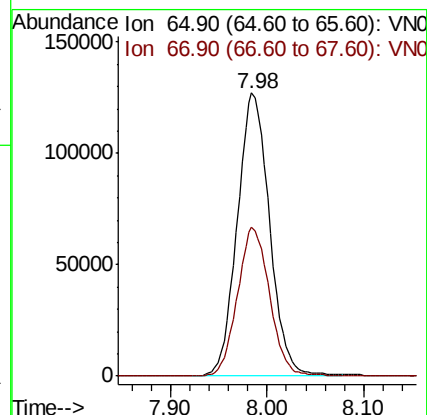
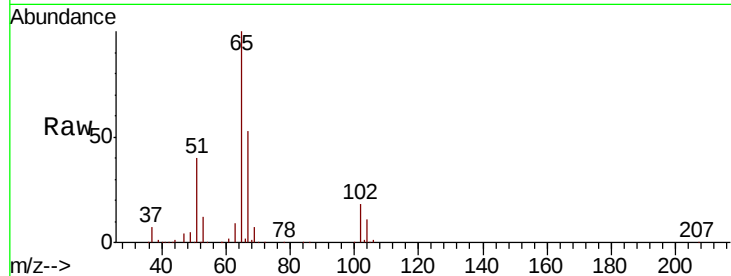
SP-1-1

Tot Ion: 65 Resp: 295508

Ion Ratio Lower Upper

65 100

67 52.3 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: VN063300.D

Acq: 10 Sep 2020 17:46

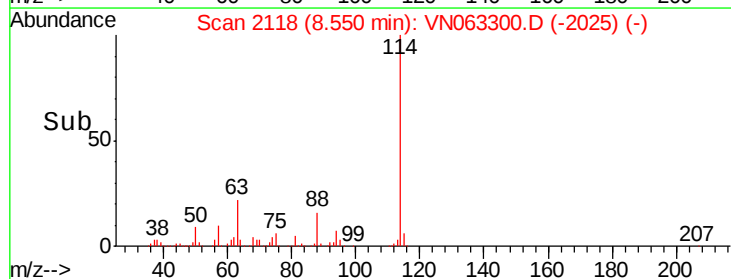
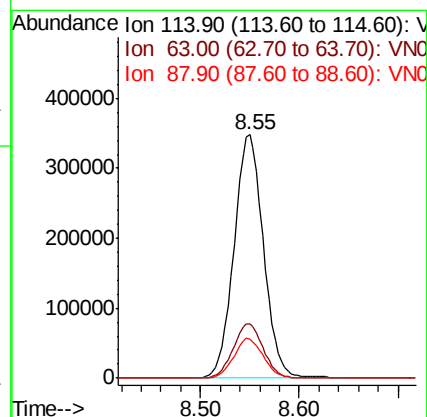
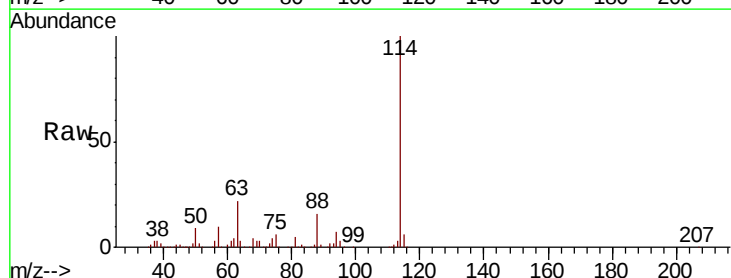
Tgt Ion: 114 Resp: 722678

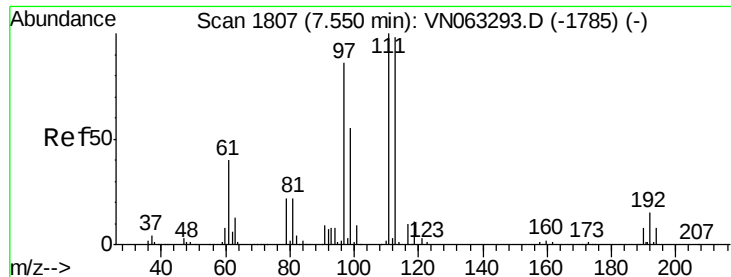
Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.0

88 16.2 0.0 32.8

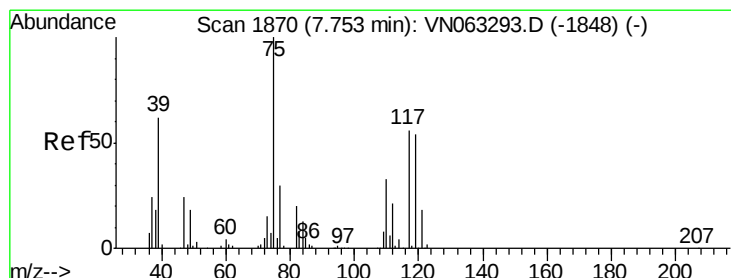
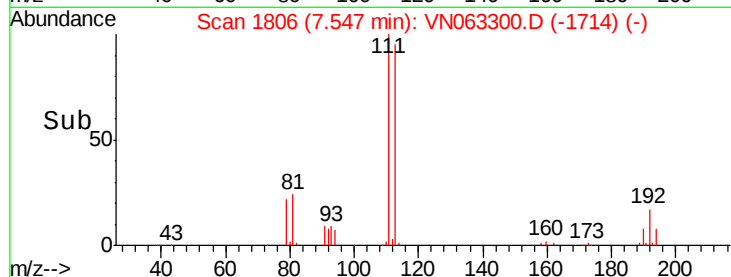
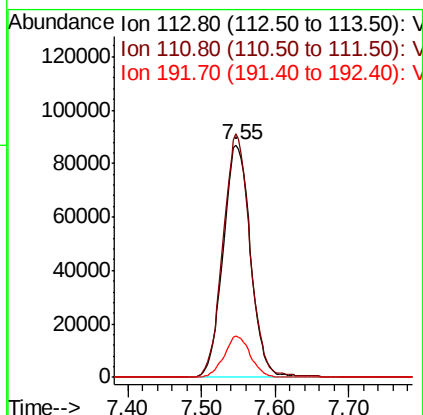
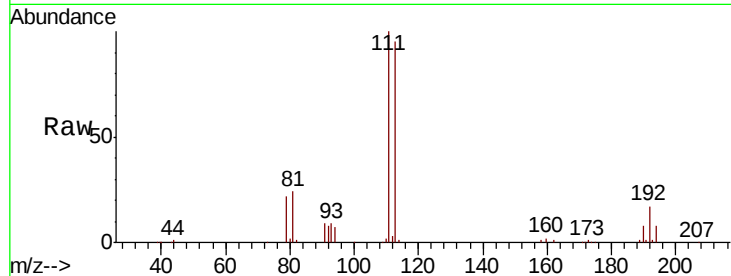




#35
 Dibromofluoromethane
 Concen: 48.334 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063300.D
 Acq: 10 Sep 2020 17:46

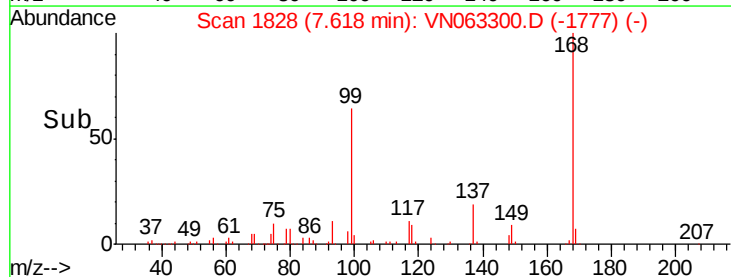
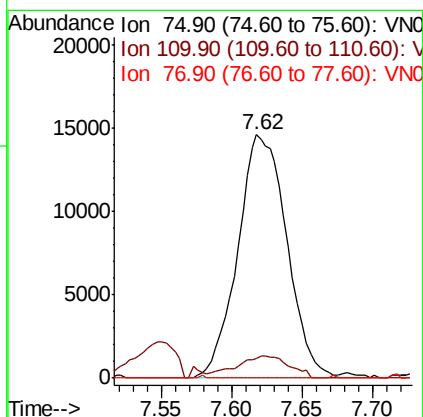
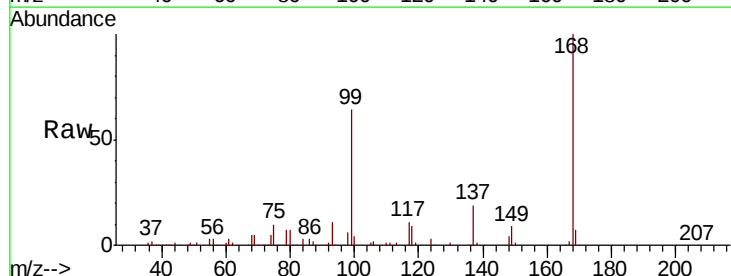
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1-1

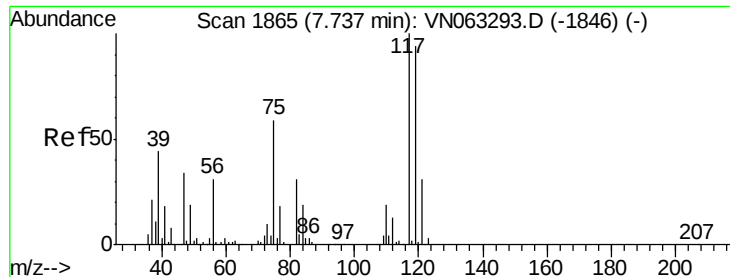
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	16.9	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.14 min
 Lab File: VN063300.D
 Acq: 10 Sep 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.4	49.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampled :

SP-1-1

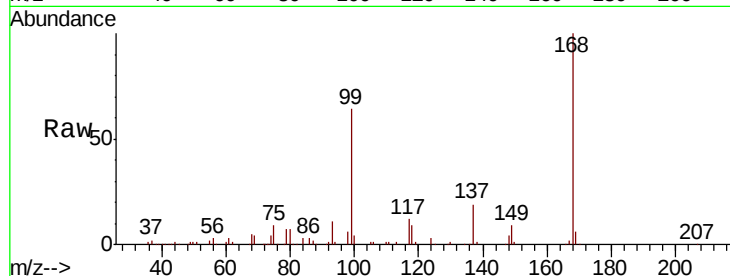
Tot Ion:117 Resp: 41675

Ion Ratio Lower Upper

117 100

119 5.8 75.3 112.9#

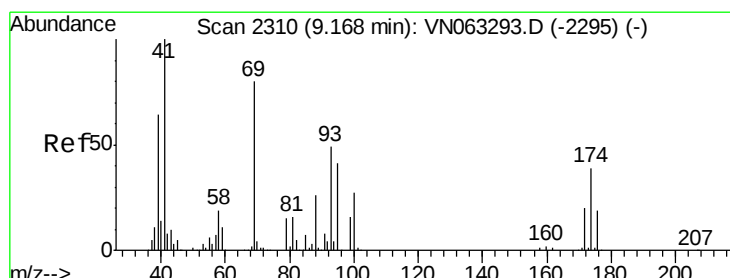
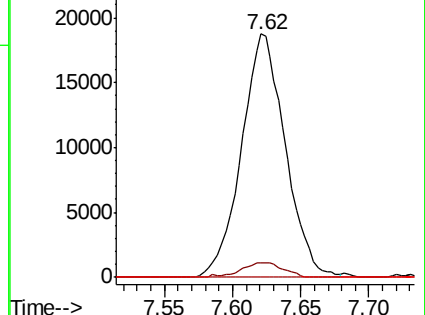
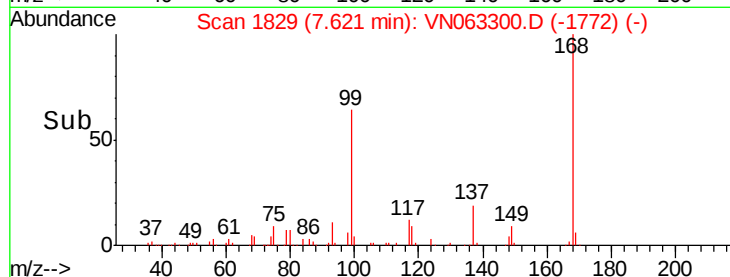
121 0.0 24.6 37.0#



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: 4.922 ug/l

RT: 9.18 min Scan# 2315

Delta R.T. 0.02 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

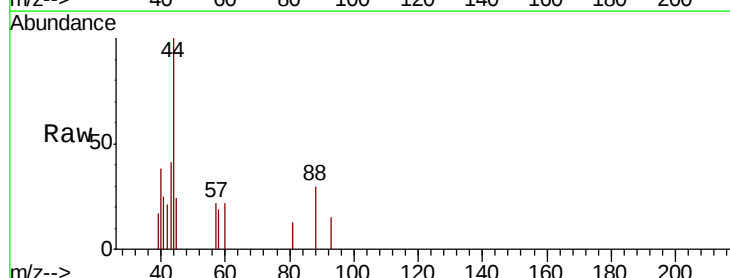
Tgt Ion: 88 Resp: 450

Ion Ratio Lower Upper

88 100

43 23.6 30.5 45.7#

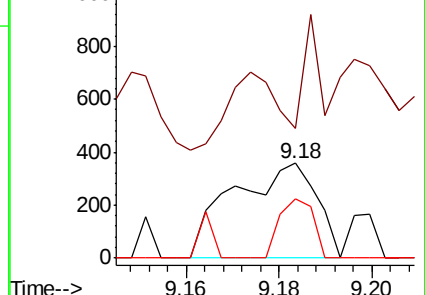
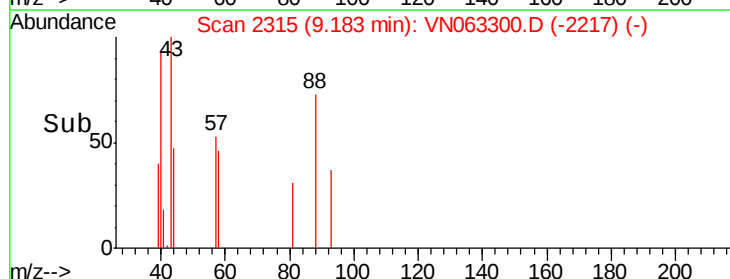
58 25.1 58.9 88.3#

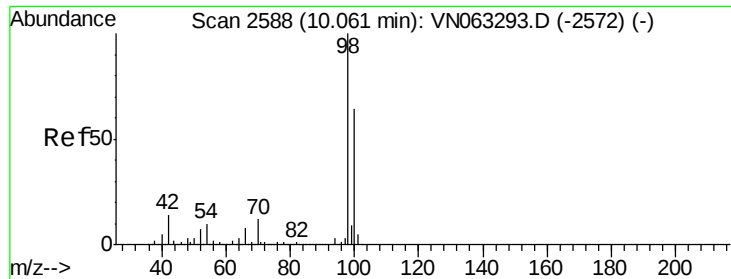


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.910 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampled :

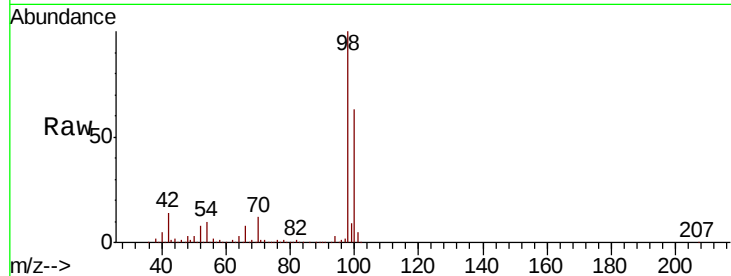
SP-1-1

Tot Ion: 98 Resp: 909592

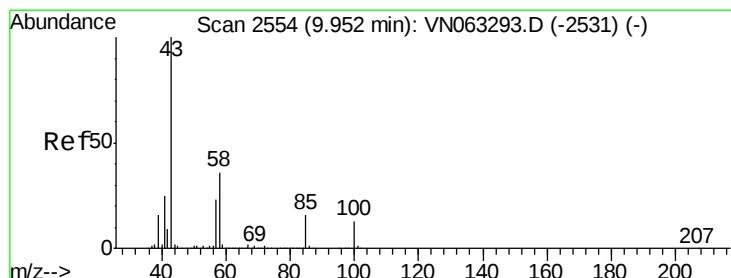
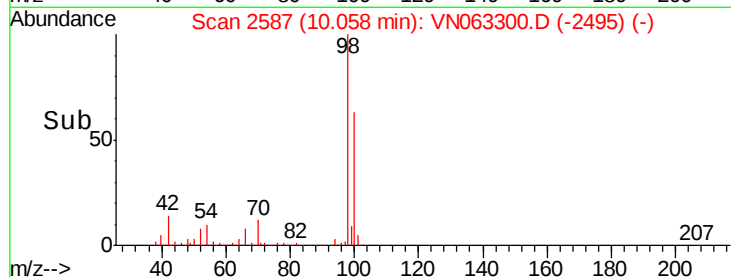
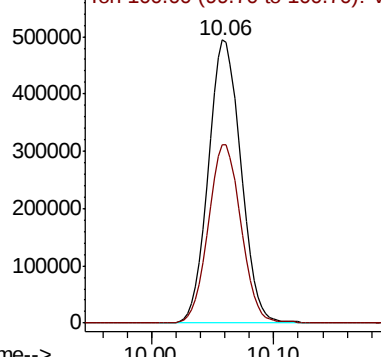
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063293.D (-2572) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.346 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063300.D

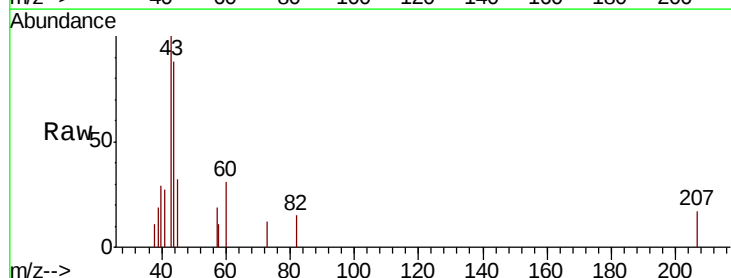
Acq: 10 Sep 2020 17:46

Tgt Ion: 43 Resp: 2360

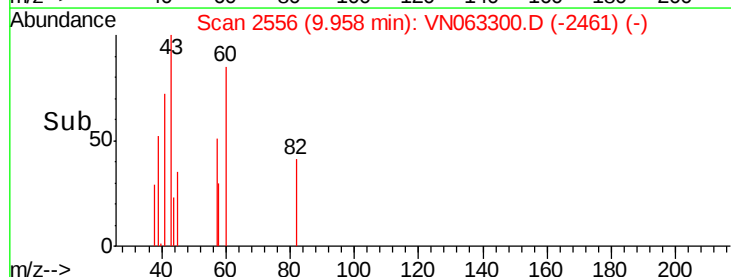
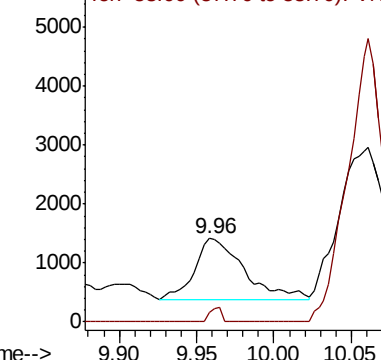
Ion Ratio Lower Upper

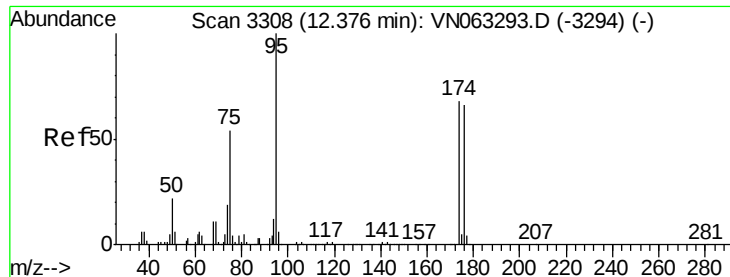
43 100

58 0.0 29.0 43.4#



Abundance Ion 43.00 (42.70 to 43.70): VN063293.D (-2531) (-)





#62

4-Bromofluorobenzene

Concen: 49.638 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampled :

SP-1-1

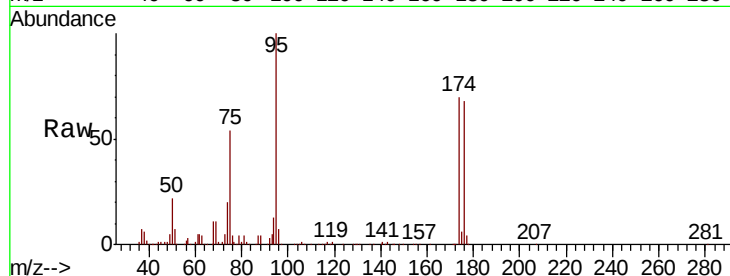
Tot Ion: 95 Resp: 327562

Ion Ratio Lower Upper

95 100

174 68.3 0.0 136.6

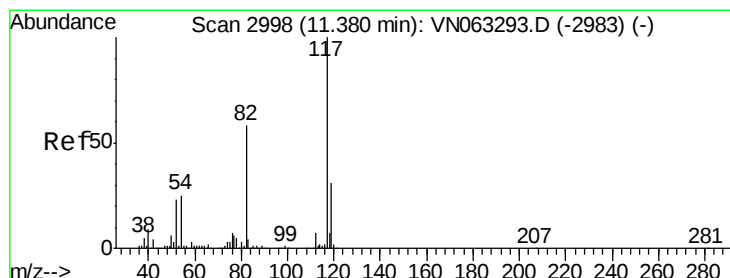
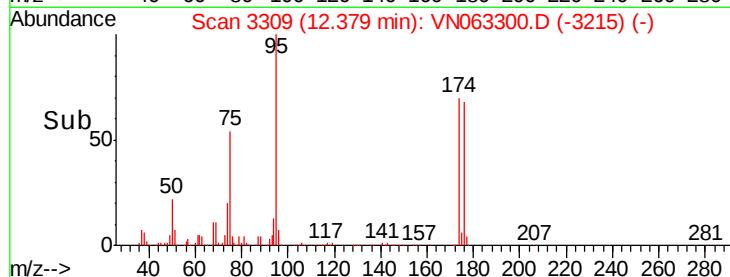
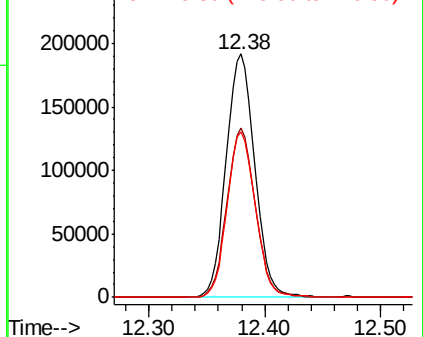
176 66.8 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

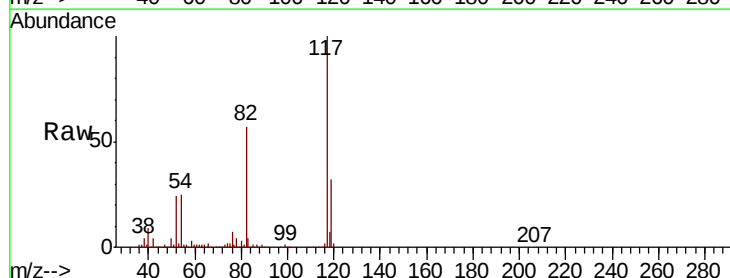
Tgt Ion: 117 Resp: 685653

Ion Ratio Lower Upper

117 100

82 57.4 46.4 69.6

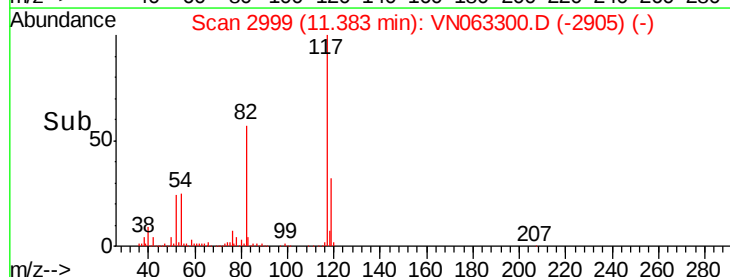
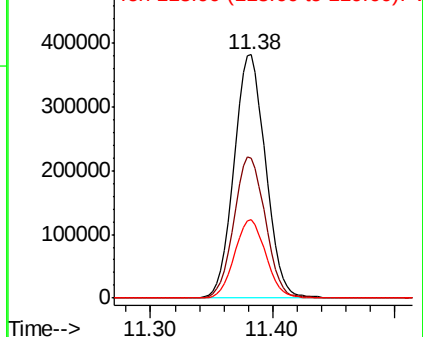
119 32.0 24.8 37.2

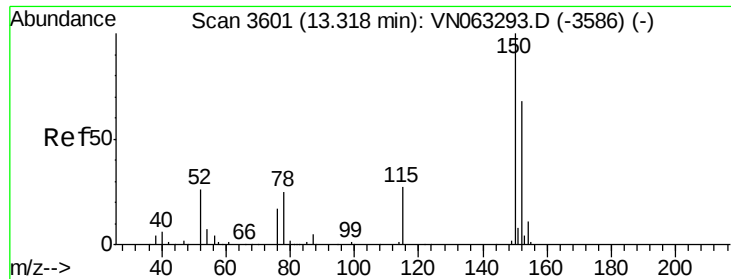


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

SP-1-1

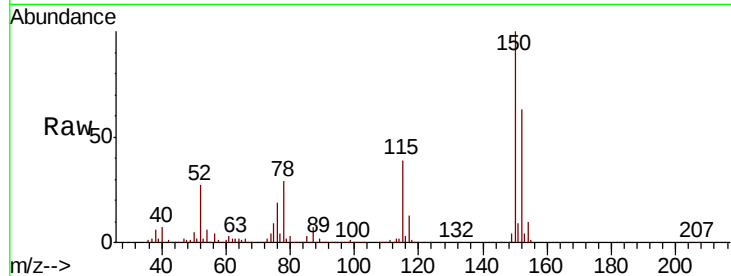
Tot Ion:152 Resp: 266738

Ion Ratio Lower Upper

152 100

115 63.3 31.5 94.5

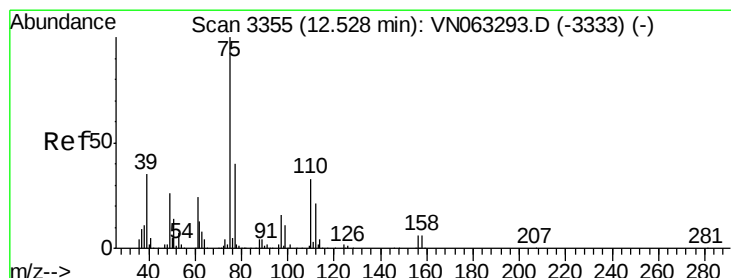
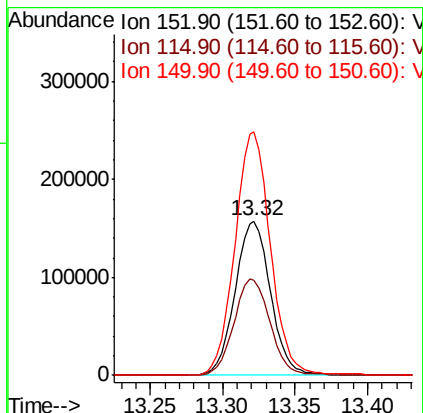
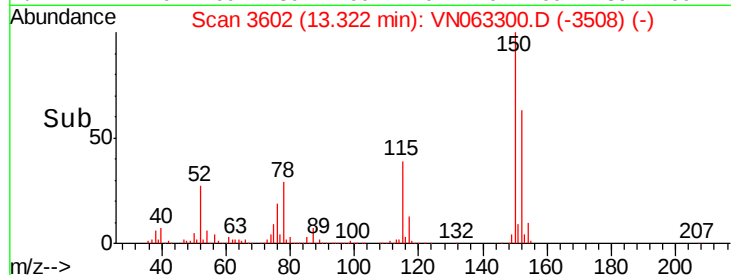
150 158.9 0.0 344.0



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: 30.299 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063300.D

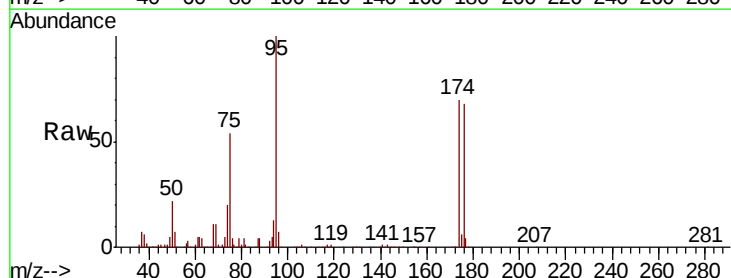
Acq: 10 Sep 2020 17:46

Tgt Ion: 75 Resp: 178298

Ion Ratio Lower Upper

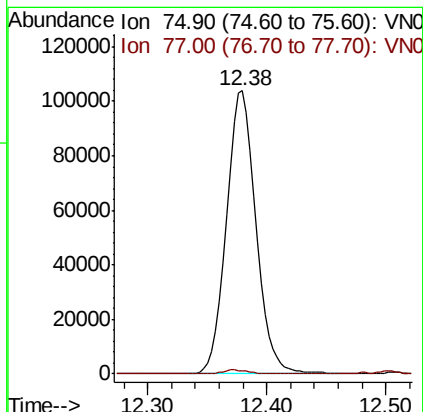
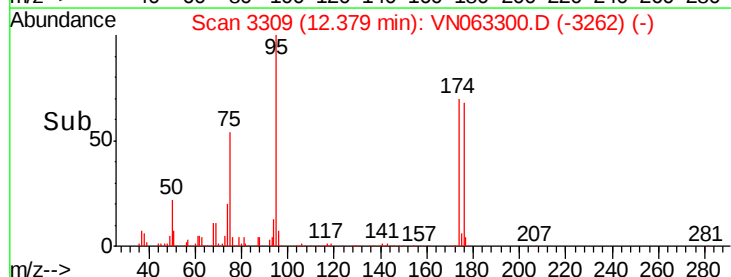
75 100

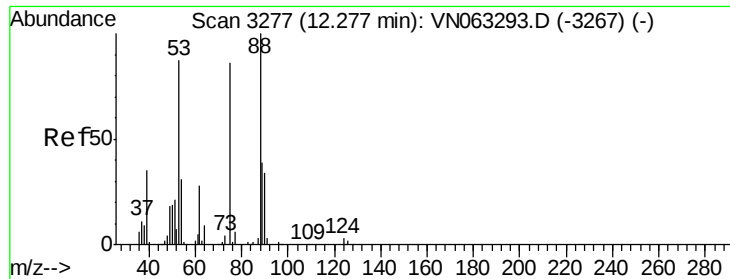
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

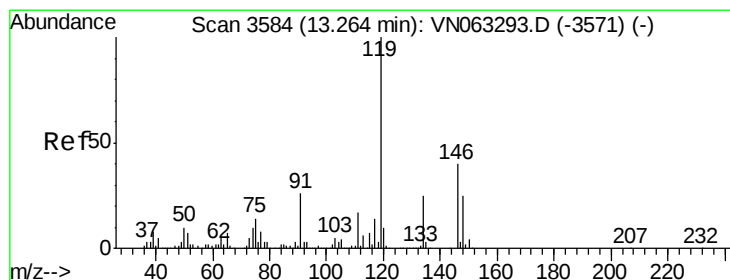
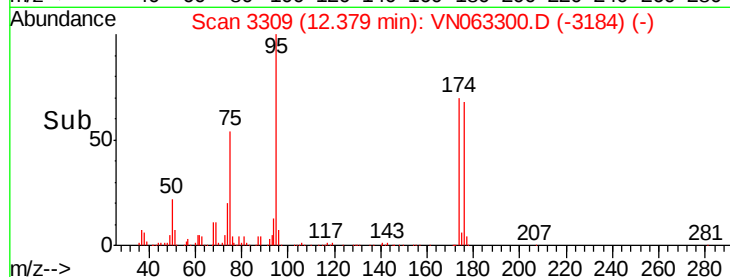
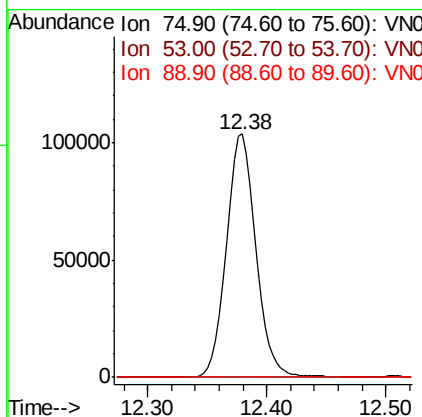
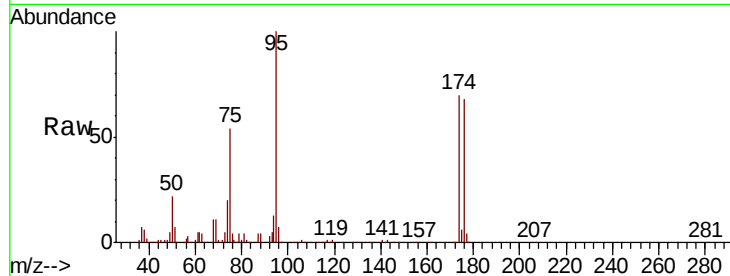




#81
trans-1,4-Dichloro-2-butene
Concen: 81.407 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.10 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

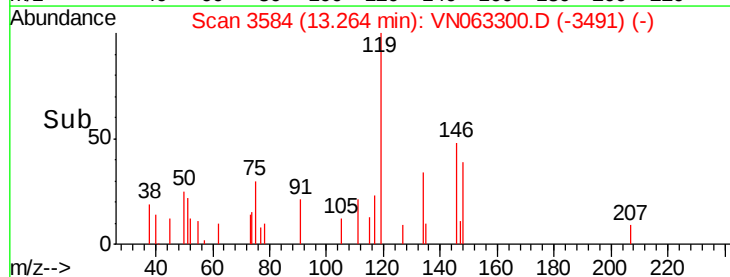
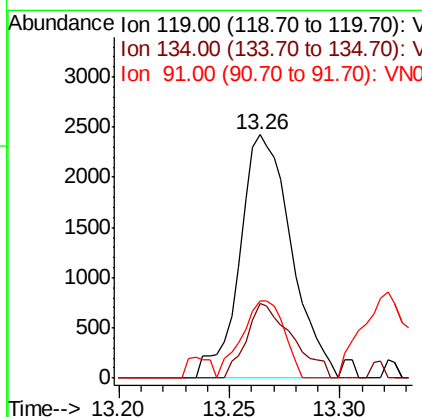
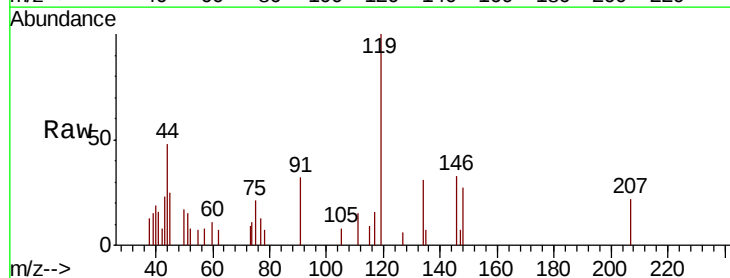
Instrument :
MSVOA_N
ClientSampled :
SP-1-1

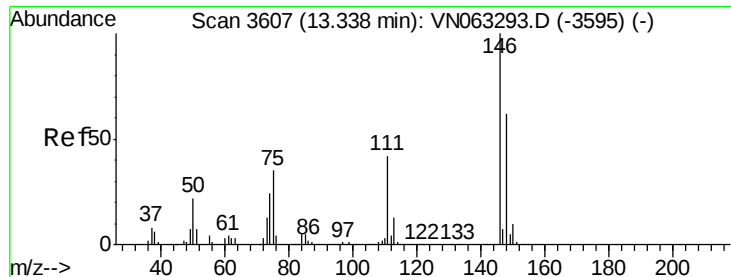
Tot Ion: 75 Resp: 178298
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#



#86
p-Isopropyltoluene
Concen: 0.223 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Tgt Ion: 119 Resp: 3935
Ion Ratio Lower Upper
119 100
134 27.3 12.6 37.8
91 26.1 12.8 38.3





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.26 min Scan# 3582

Delta R.T. -0.08 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

Instrument :

MSVOA_N

ClientSampled :

SP-1-1

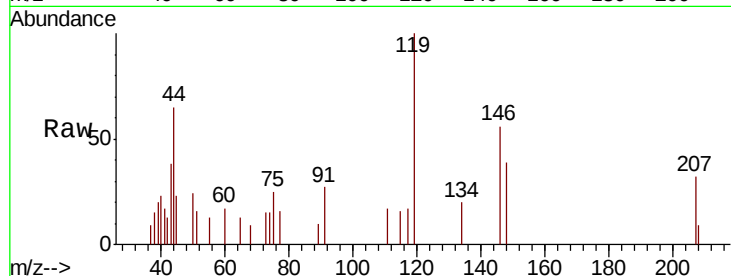
Tot Ion:146 Resp: 1462

Ion Ratio Lower Upper

146 100

111 41.3 21.3 64.0

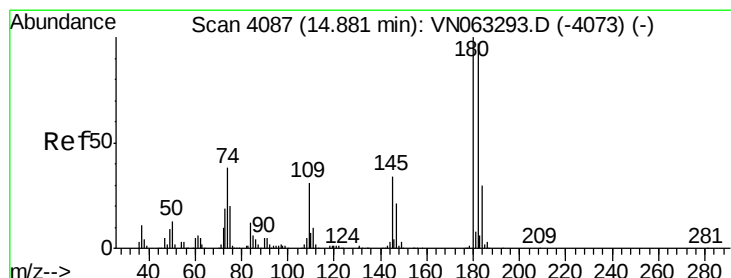
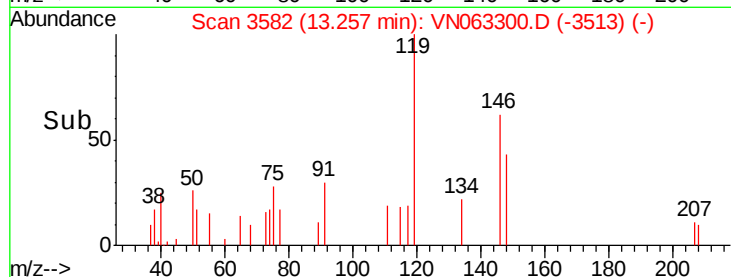
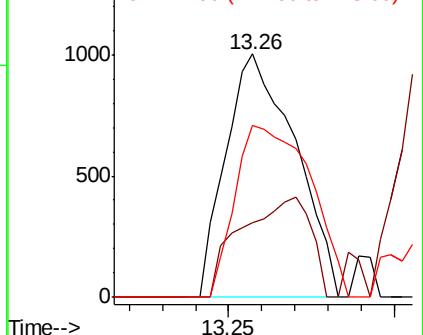
148 76.9 31.5 94.5



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



#93

1,2,4-Trichlorobenzene

Concen: 0.271 ug/l

RT: 14.89 min Scan# 4091

Delta R.T. 0.01 min

Lab File: VN063300.D

Acq: 10 Sep 2020 17:46

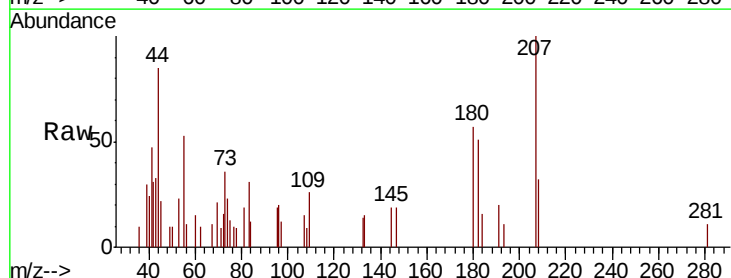
Tgt Ion:180 Resp: 1417

Ion Ratio Lower Upper

180 100

182 106.5 48.0 144.2

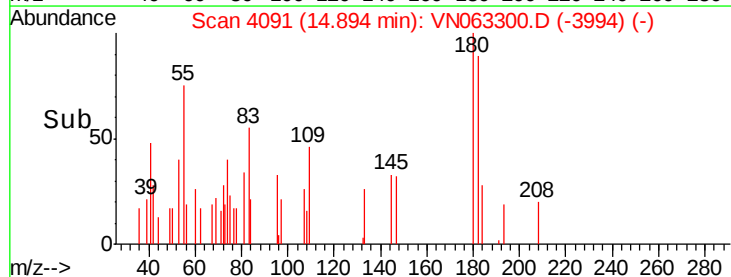
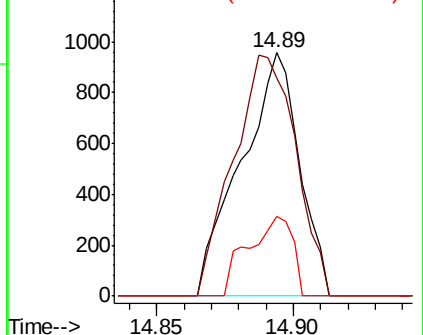
145 25.0 16.6 49.8

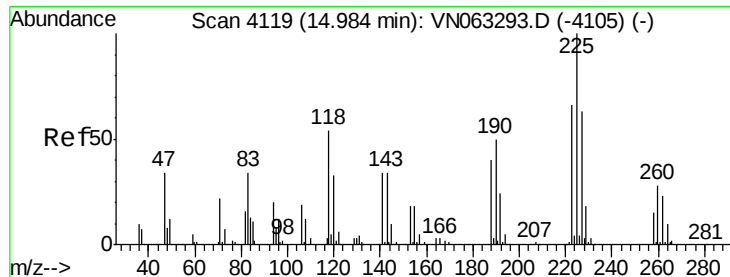


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

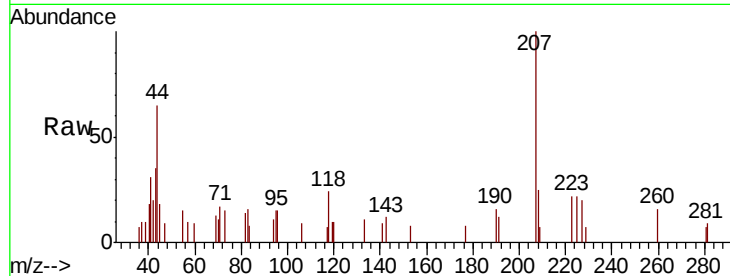




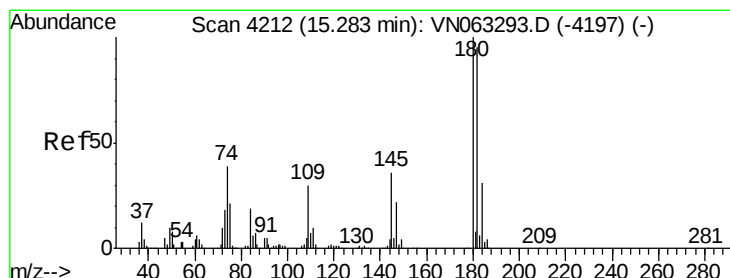
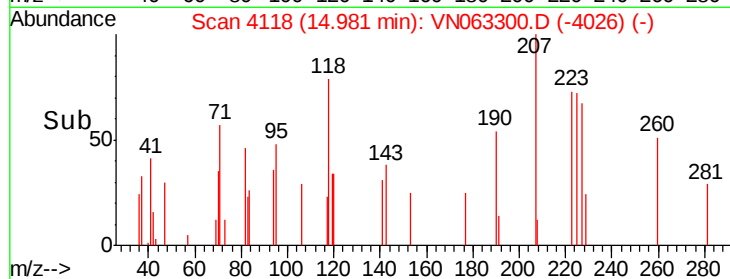
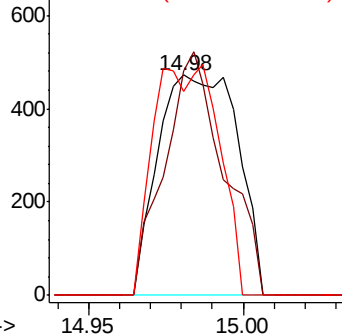
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Instrument :
MSVOA_N
ClientSampled :
SP-1-1

Tot Ion:225 Resp: 846
Ion Ratio Lower Upper
225 100
223 82.4 31.3 93.9
227 45.0 31.2 93.6

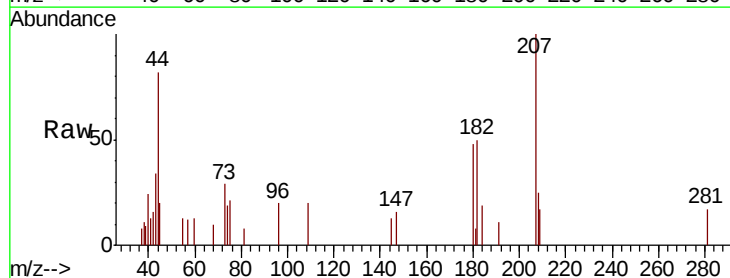


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063300.D
Acq: 10 Sep 2020 17:46

Tgt Ion:180 Resp: 1660
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.3
145 22.8 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

