

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090120\
 Data File : VN063175.D
 Acq On : 1 Sep 2020 23:16
 Operator : JC/MD
 Sample : L3852-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 04:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

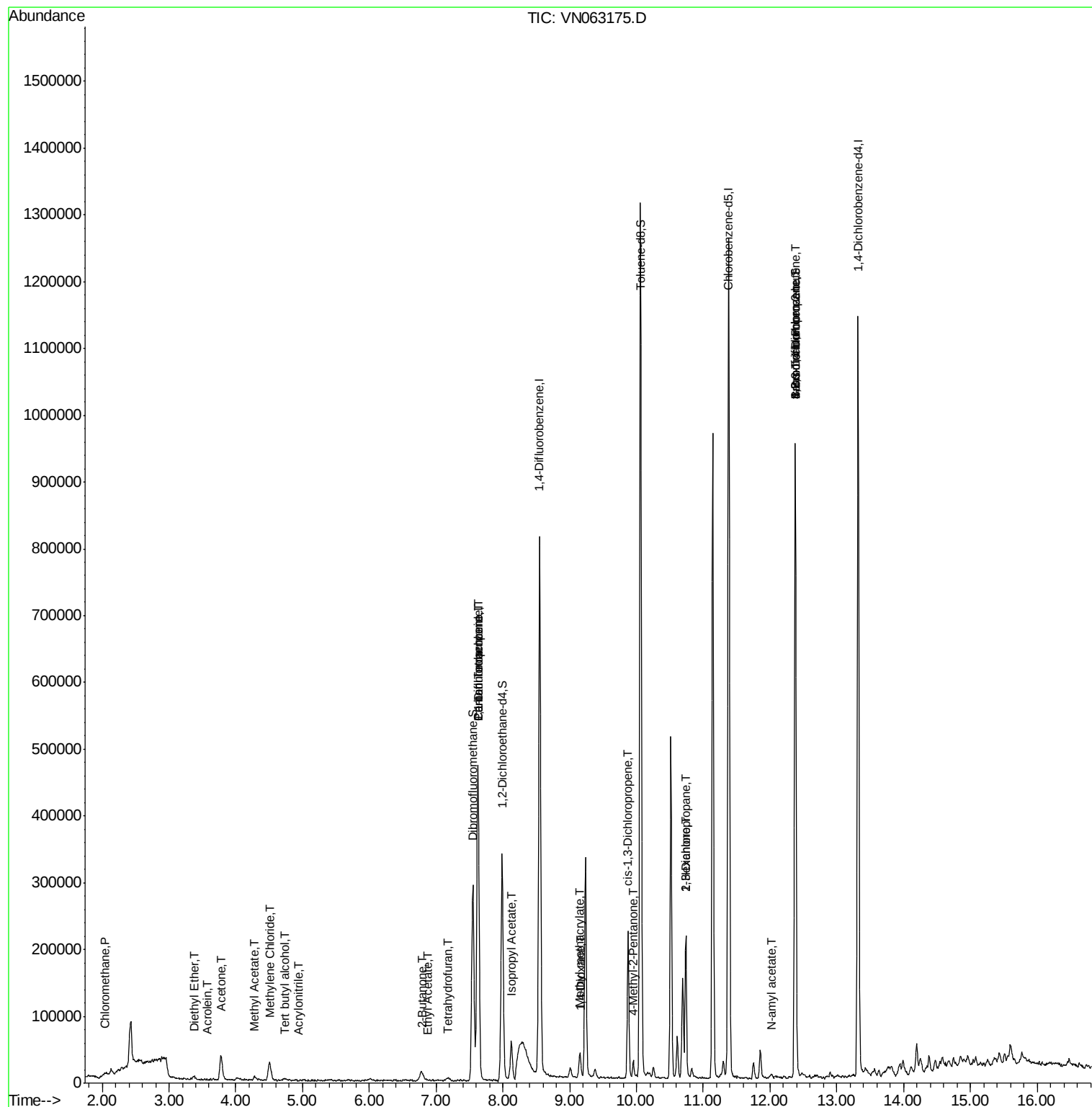
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	350596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	683194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	681057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	277169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	276519	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.55	113	216313	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.06	98	875860	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.38	95	316689	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2376	0.473	ug/l	92
7) Trichlorofluoromethane	2.96	101	65	Below Cal	#	19
8) Diethyl Ether	3.38	74	2695	1.014	ug/l #	44
11) Tert butyl alcohol	4.72	59	2243	3.188	ug/l #	87
13) Acrolein	3.57	56	80	16.049	ug/l #	25
15) Acrylonitrile	4.93	53	30	2.419	ug/l #	54
16) Acetone	3.78	43	64255	39.439	ug/l	98
18) Methyl Acetate	4.29	43	9756	2.335	ug/l #	87
20) Methylene Chloride	4.51	84	19195	3.735	ug/l	95
25) 2-Butanone	6.80	43	12181	4.829	ug/l #	90
29) Tetrahydrofuran	7.17	42	2301	1.319	ug/l #	44
31) Cyclohexane	7.63	56	10410	Below Cal	#	39
36) 1,1-Dichloropropene	7.62	75	32755	4.987	ug/l #	50
37) Ethyl Acetate	6.88	43	859	0.518	ug/l #	72
38) Carbon Tetrachloride	7.62	117	38741	5.816	ug/l #	16
43) Isopropyl Acetate	8.13	43	70185	6.552	ug/l #	91
48) Methyl methacrylate	9.14	41	6612	1.369	ug/l #	18
49) 1,4-Dioxane	9.17	88	224	2.999	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	16192	2.782	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	37637	4.516	ug/l #	68
57) 1,3-Dichloropropane	10.74	76	2897	0.353	ug/l #	47
59) 2-Hexanone	10.74	43	29203	7.139	ug/l #	58
71) Bromoform	12.38	173	2352	0.681	ug/l #	1
74) N-ethyl acetate	12.01	43	6376	0.724	ug/l #	54
76) 1,2,3-Trichloropropane	12.38	75	179111	32.890	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	179111	79.494	ug/l #	10

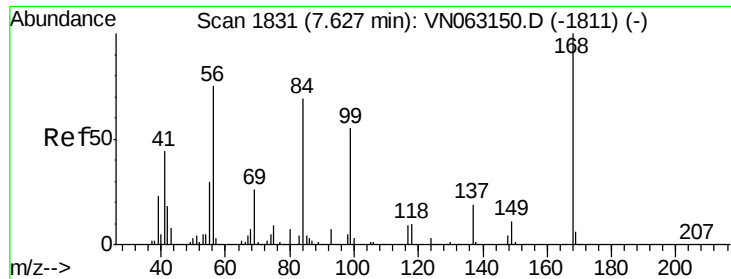
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090120\
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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 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: VN063175.D

Acq: 1 Sep 2020 23:16

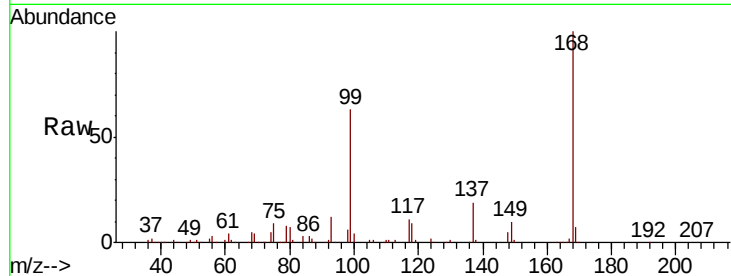
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 350596

Ion Ratio Lower Upper

168 100

99 63.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

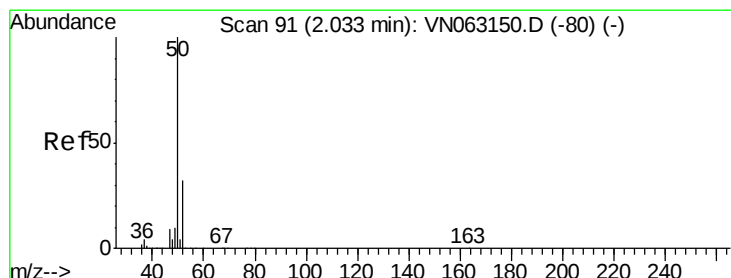
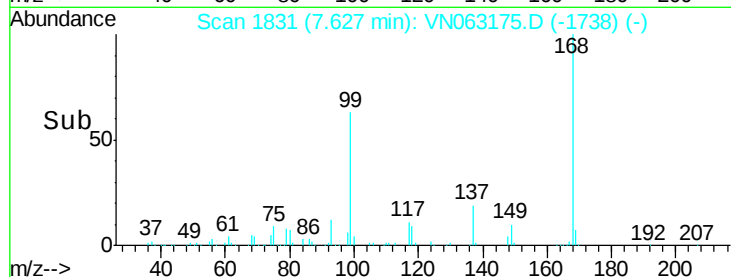
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.473 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063175.D

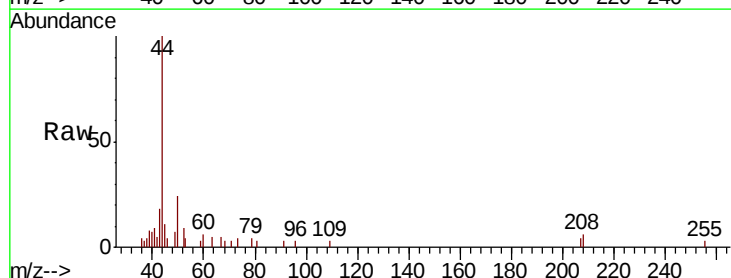
Acq: 1 Sep 2020 23:16

Tgt Ion: 50 Resp: 2376

Ion Ratio Lower Upper

50 100

52 36.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

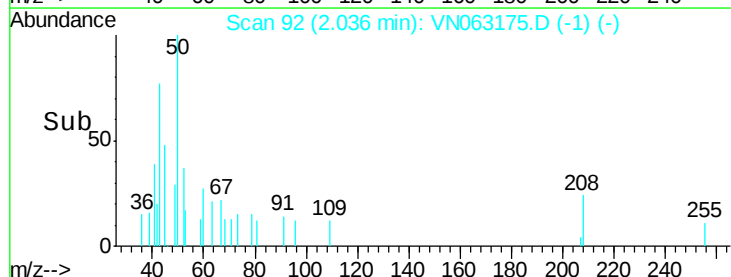
1500

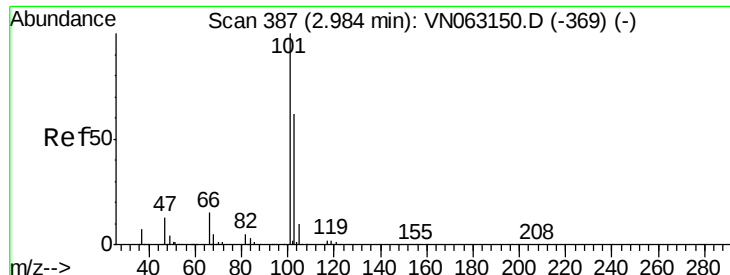
1000

500

0

Time--> 2.00 2.05



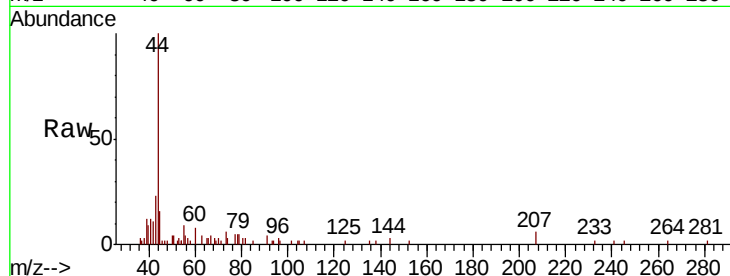


#7

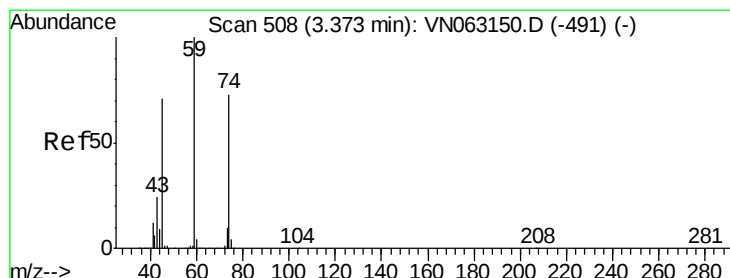
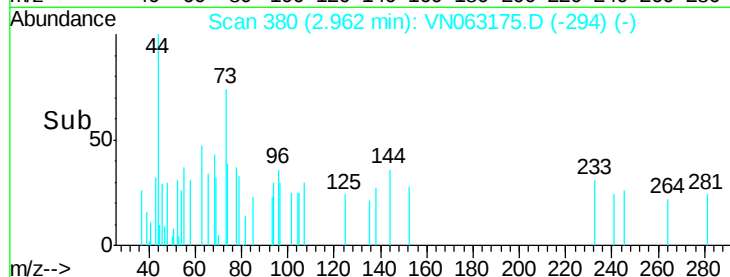
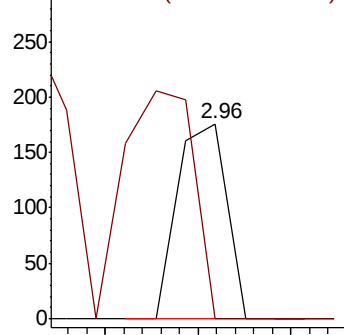
Trichlorofluoromethane
Concen: Below Cal
RT: 2.96 min Scan# 380
Delta R.T. -0.02 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 65
Ion Ratio Lower Upper
101 100
103 0.0 49.7 74.5#



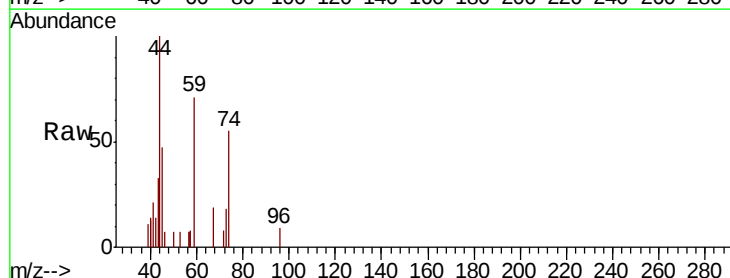
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



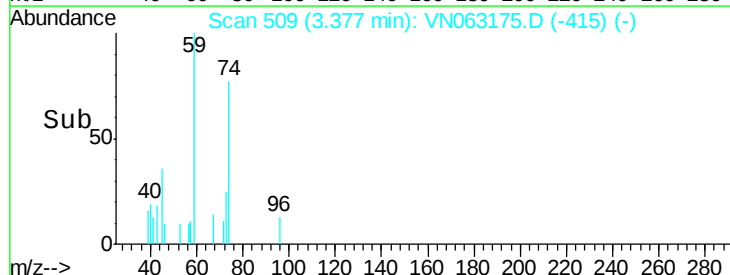
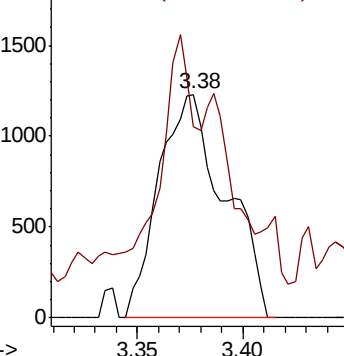
#8

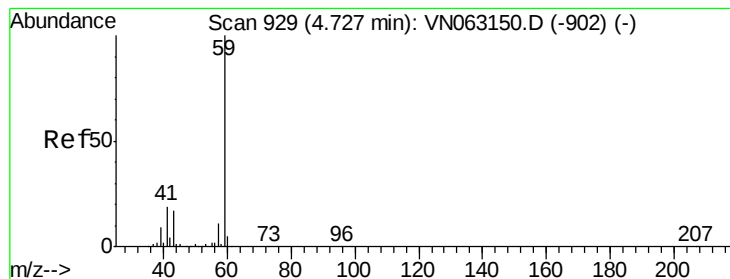
Diethyl Ether
Concen: 1.014 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 74 Resp: 2695
Ion Ratio Lower Upper
74 100
45 43.4 49.5 148.5#



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO



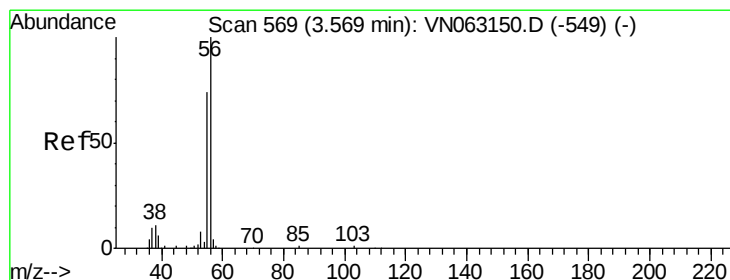
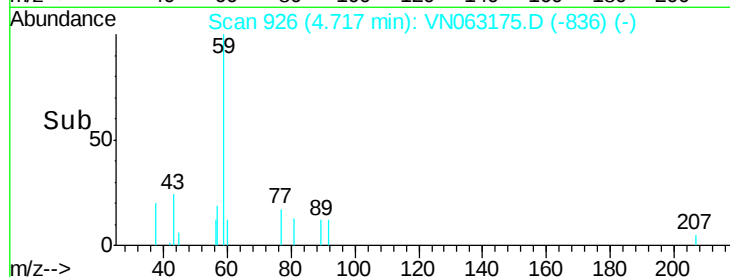
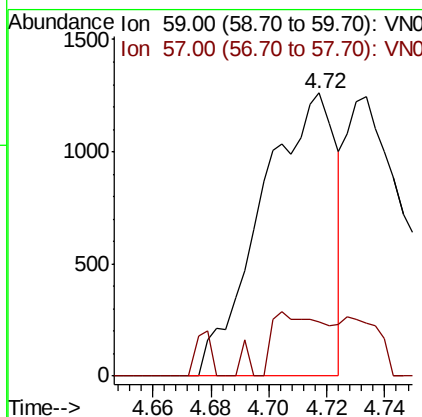
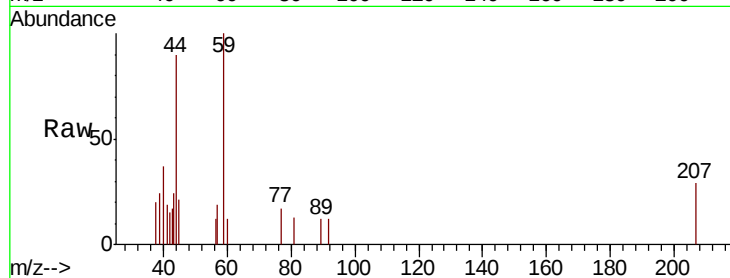


#11

Tert butyl alcohol
 Concen: 3.188 ug/l
 RT: 4.72 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

Instrument :
 MSVOA_N
 ClientSampled :

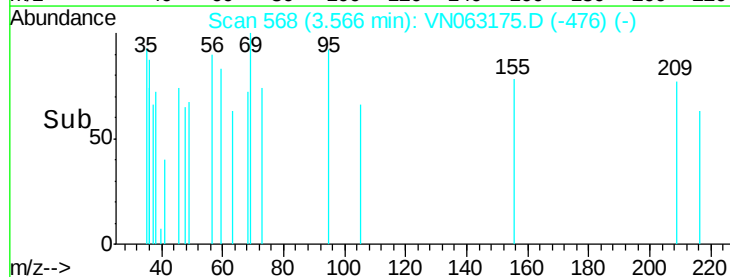
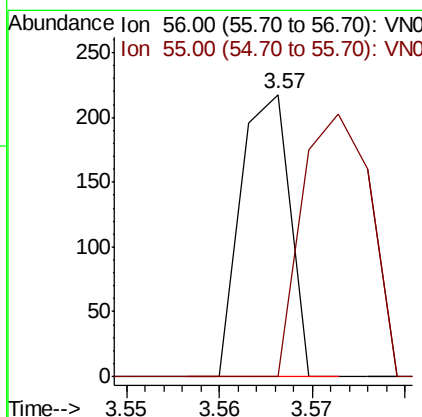
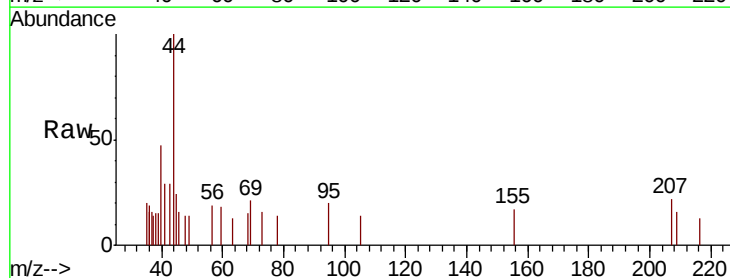
Tot Ion: 59 Resp: 2243
 Ion Ratio Lower Upper
 59 100
 57 15.2 8.4 12.6#

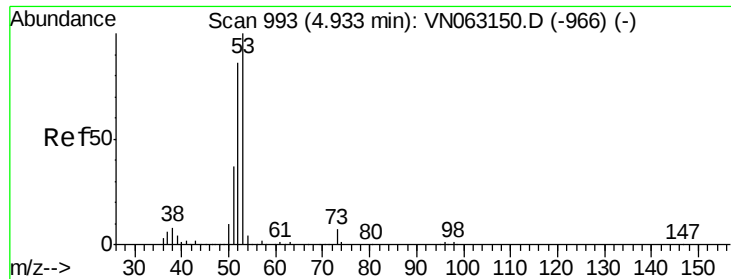


#13

Acrolein
 Concen: 16.049 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

Tgt Ion: 56 Resp: 80
 Ion Ratio Lower Upper
 56 100
 55 130.0 55.4 83.0#





#15

Acrylonitrile

Concen: 2.419 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Instrument :

MSVOA_N

ClientSampleId :

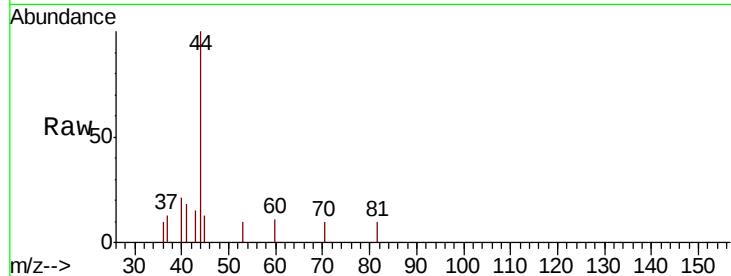
Tot Ion: 53 Resp: 30

Ion Ratio Lower Upper

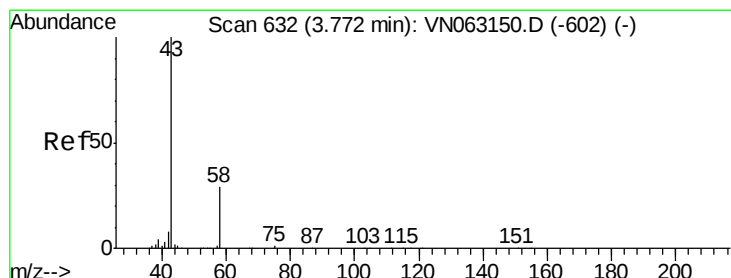
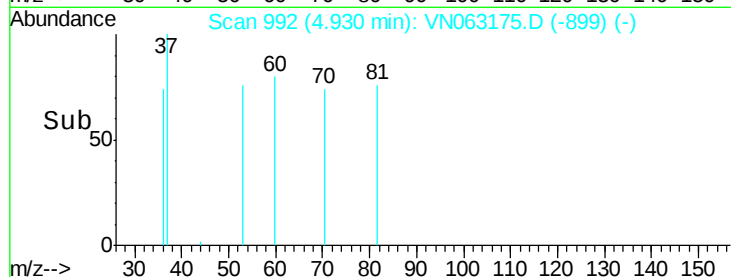
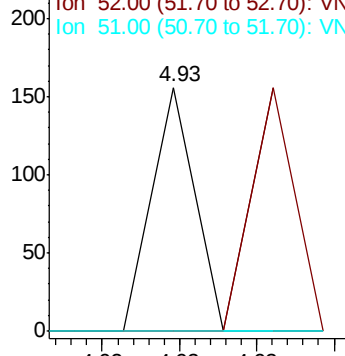
53 100

52 100.0 67.2 100.8

51 103.3 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN063175.D (-899) (-)



#16

Acetone

Concen: 39.439 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063175.D

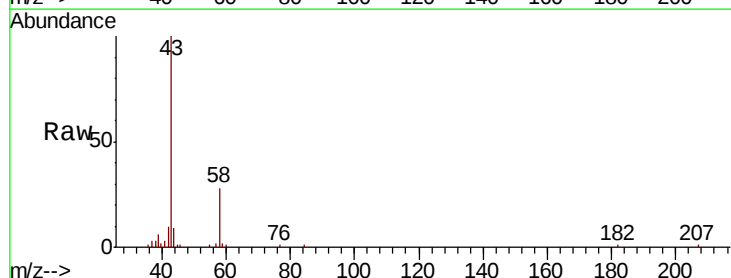
Acq: 1 Sep 2020 23:16

Tgt Ion: 43 Resp: 64255

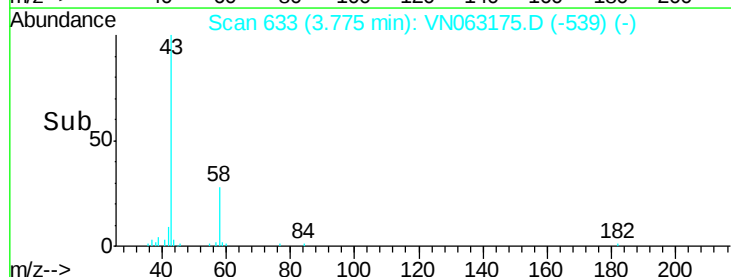
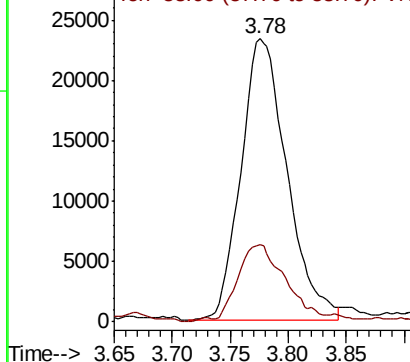
Ion Ratio Lower Upper

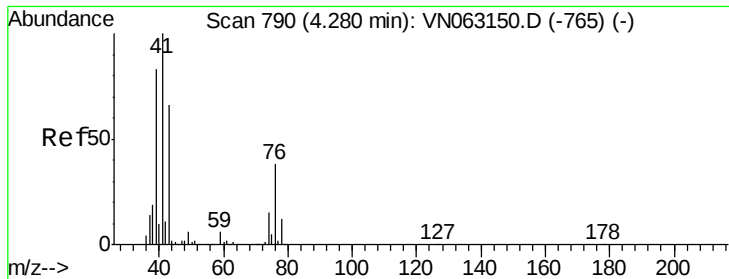
43 100

58 27.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063175.D (-539) (-)

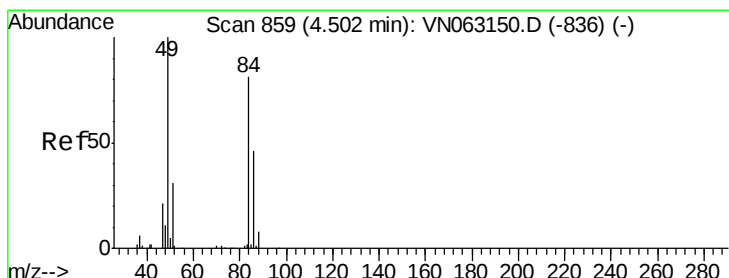
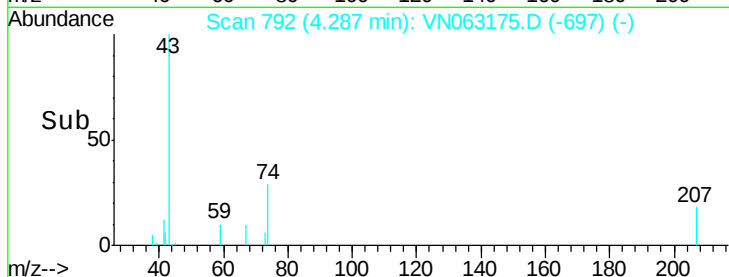
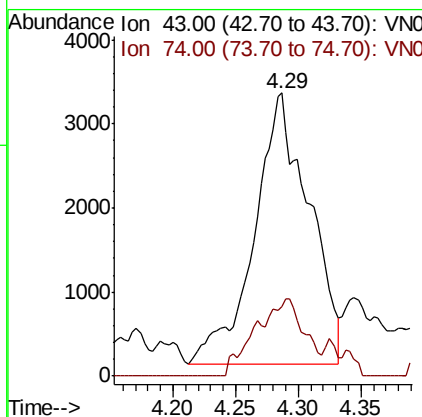
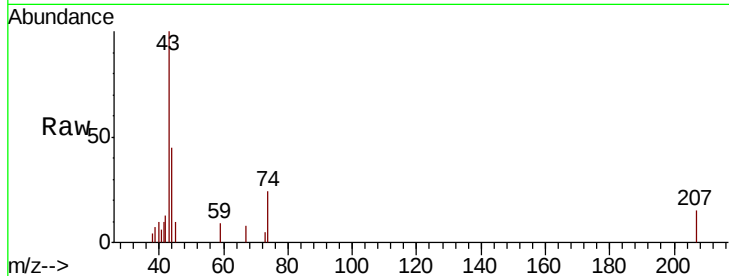




#18
Methyl Acetate
Concen: 2.335 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

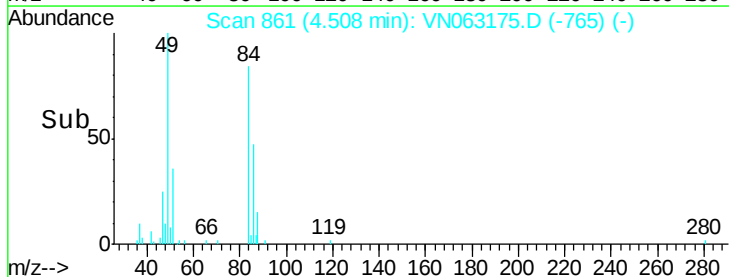
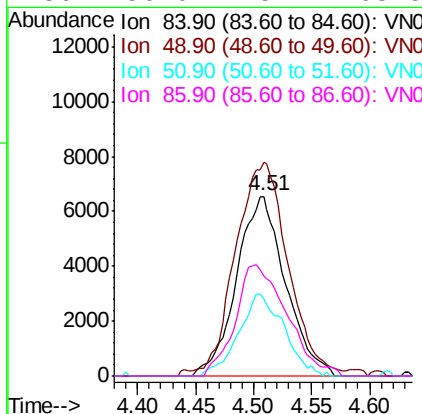
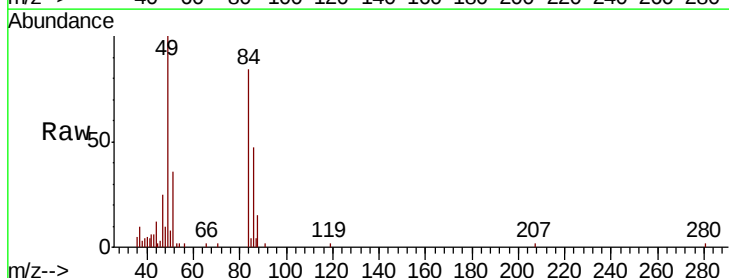
Instrument :
MSVOA_N
ClientSampleId :

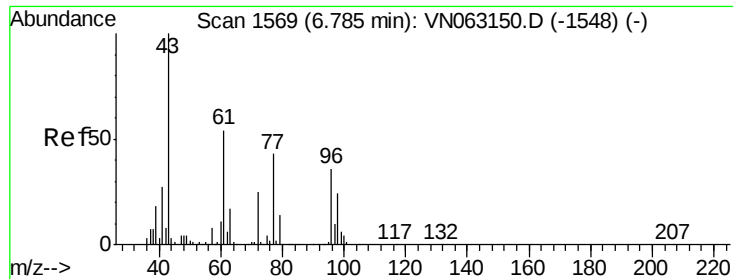
Tot Ion: 43 Resp: 9756
Ion Ratio Lower Upper
43 100
74 17.5 19.0 28.6#



#20
Methylene Chloride
Concen: 3.735 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 84 Resp: 19195
Ion Ratio Lower Upper
84 100
49 116.0 98.4 147.6
51 43.1 30.4 45.6
86 56.0 45.7 68.5





#25

2-Butanone

Concen: 4.829 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

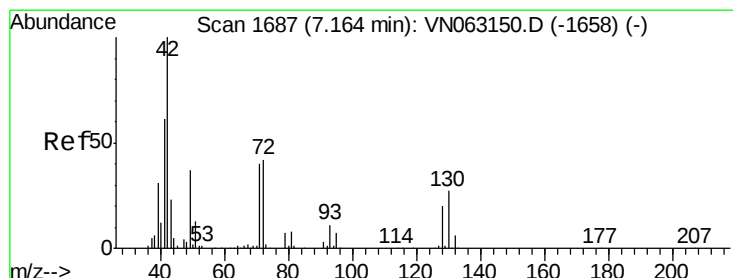
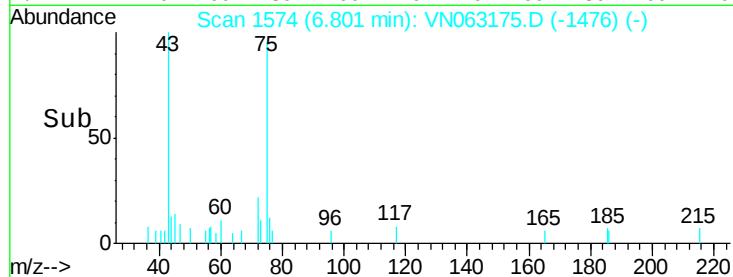
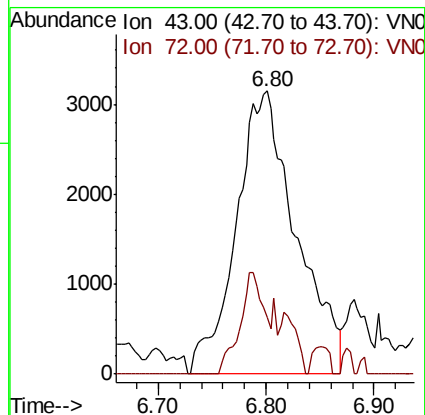
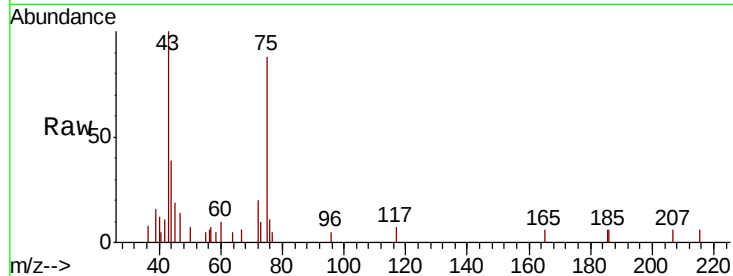
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 12181

Ion Ratio Lower Upper

43 100

72 20.1 20.2 30.4#



#29

Tetrahydrofuran

Concen: 1.319 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

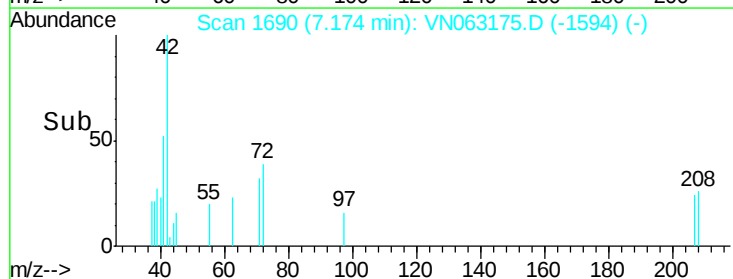
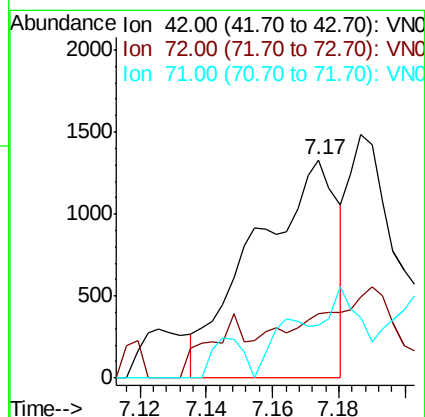
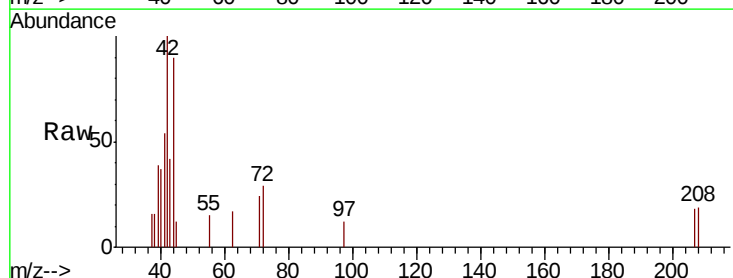
Tgt Ion: 42 Resp: 2301

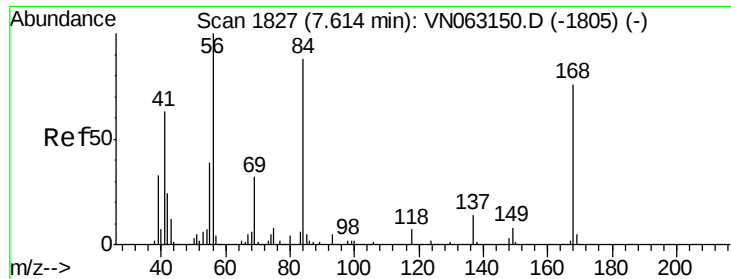
Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 12.4 31.9 47.9#

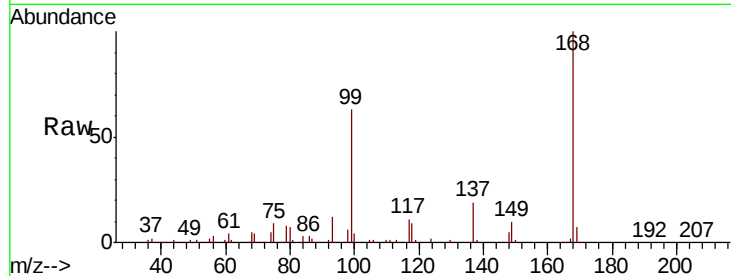




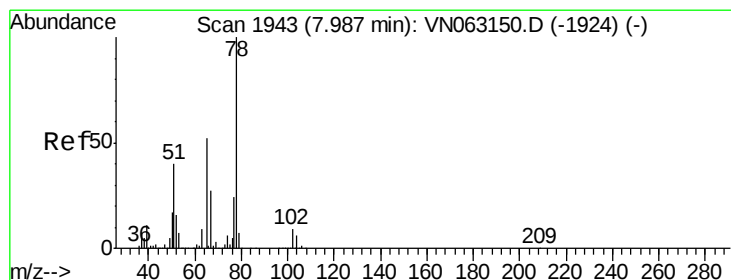
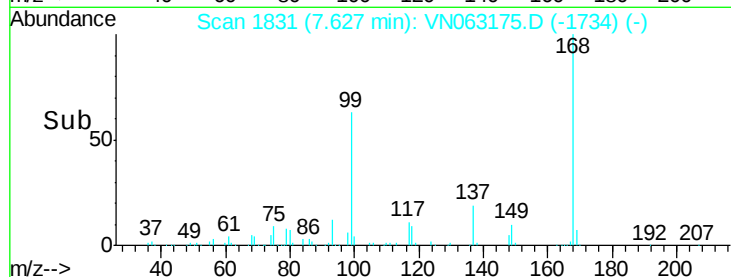
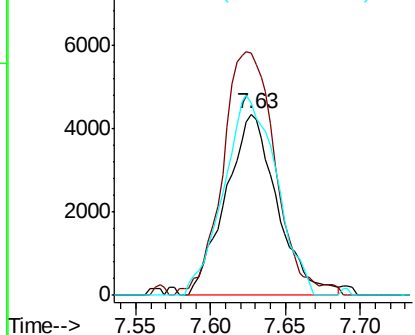
#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 10410
Ion Ratio Lower Upper
56 100
69 129.7 25.4 38.0#
84 105.8 70.2 105.4#

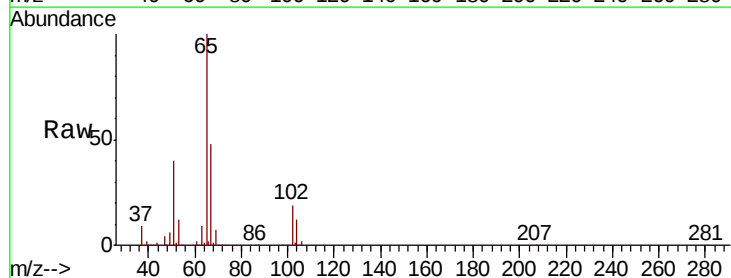


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

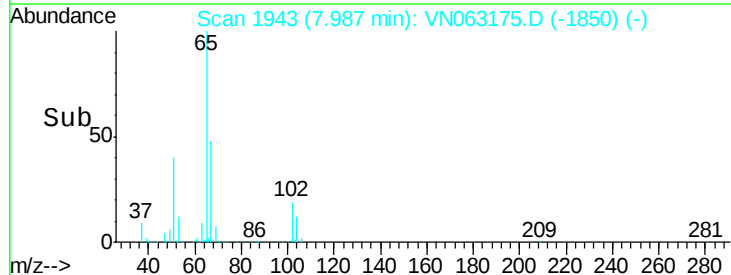
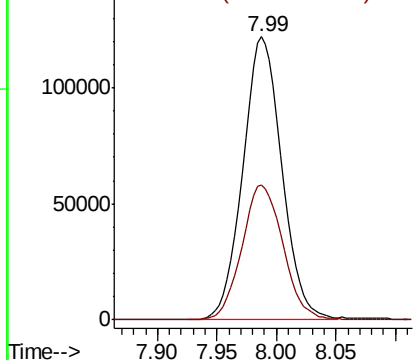


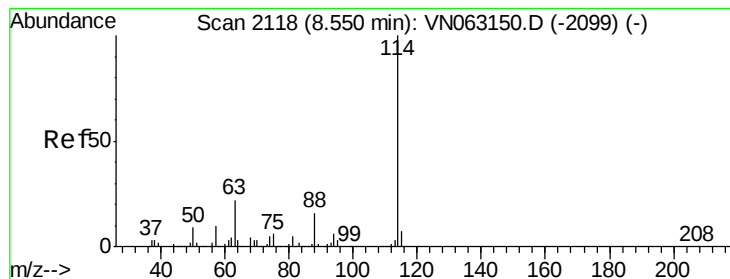
#33
1,2-Dichloroethane-d4
Concen: 48.248 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 65 Resp: 276519
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Instrument :

MSVOA_N

ClientSampleId :

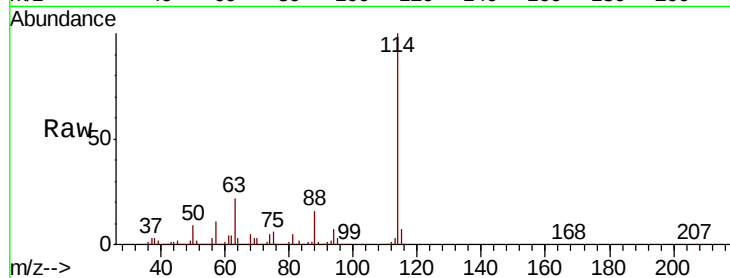
Tot Ion:114 Resp: 683194

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.0

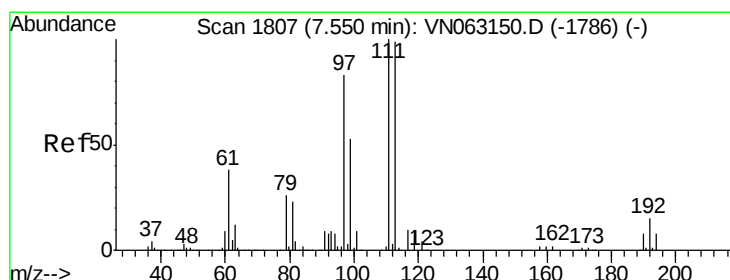
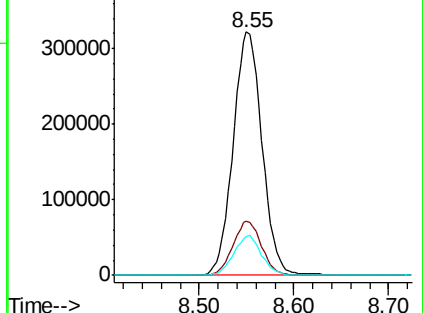
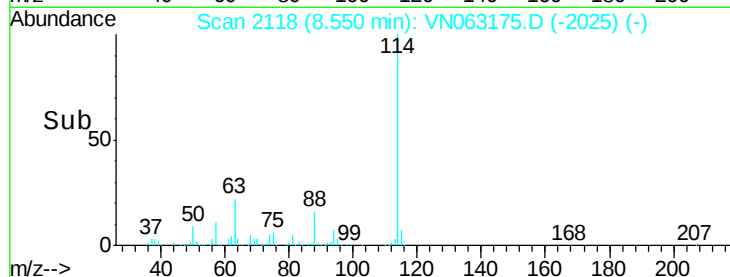
88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.352 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

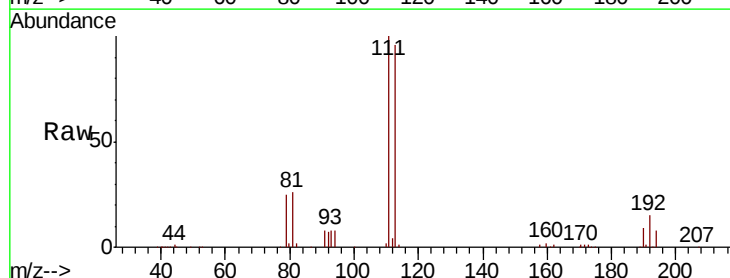
Tgt Ion:113 Resp: 216313

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

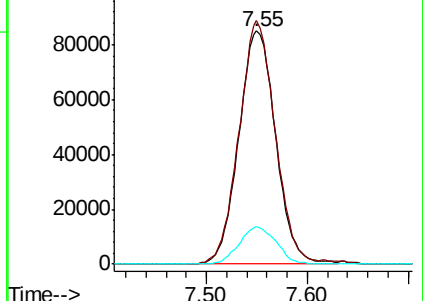
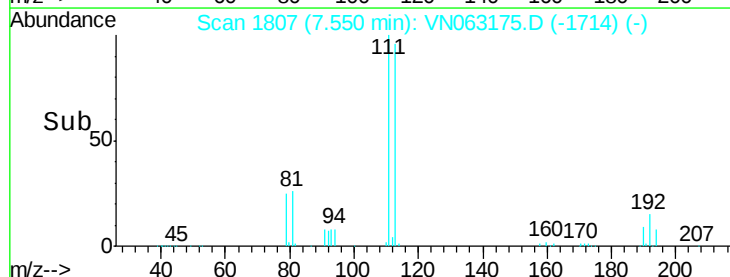
192 16.2 12.6 19.0

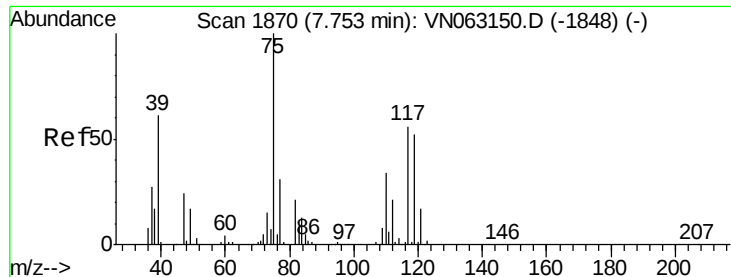


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

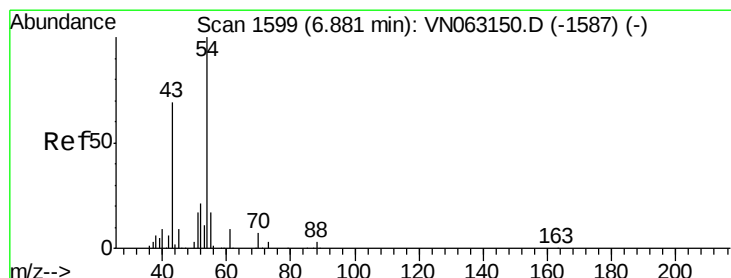
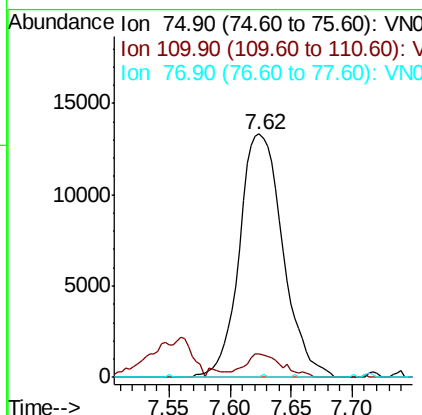
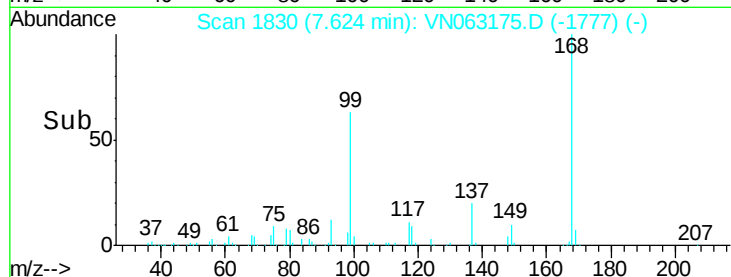
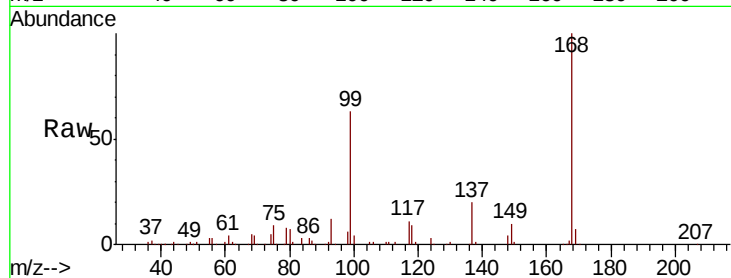




#36
 1,1-Dichloropropene
 Concen: 4.987 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

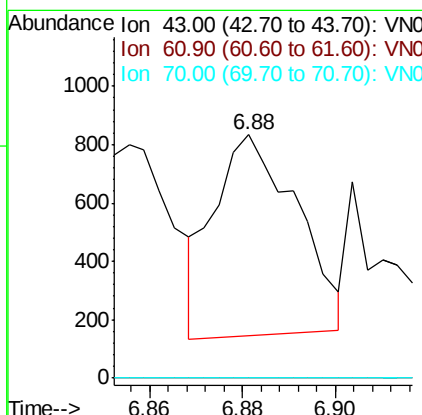
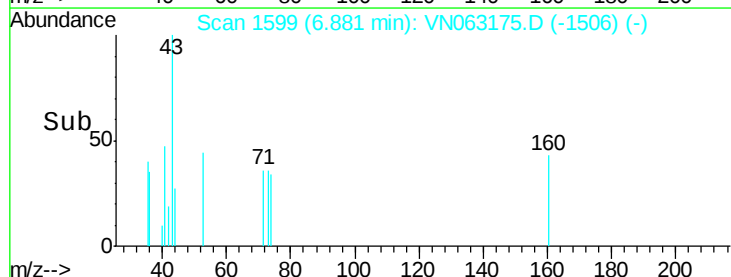
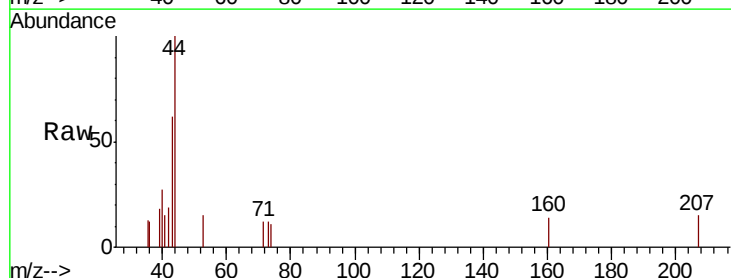
Instrument :
 MSVOA_N
 ClientSampled :

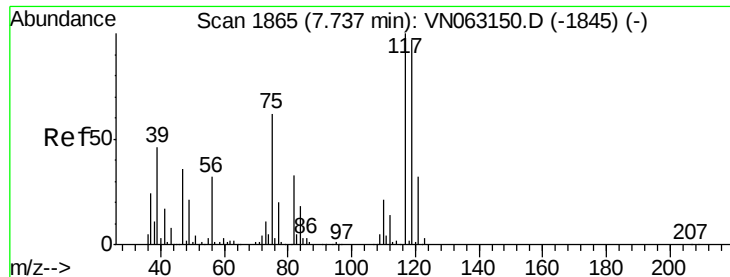
Tot Ion: 75 Resp: 32755
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.8#
 77 0.1 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 0.518 ug/l
 RT: 6.88 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

Tgt Ion: 43 Resp: 859
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.4#
 70 0.0 3.0 4.6#





#38

Carbon Tetrachloride

Concen: 5.816 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Instrument :

MSVOA_N

ClientSampleId :

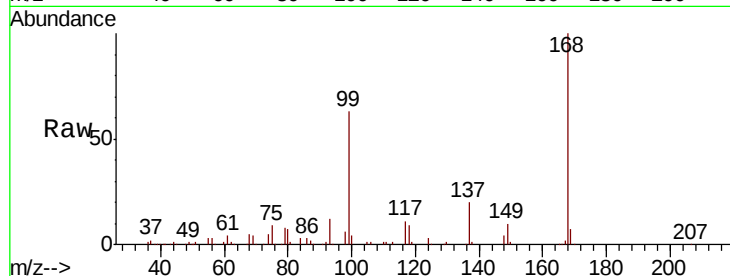
Tot Ion:117 Resp: 38741

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

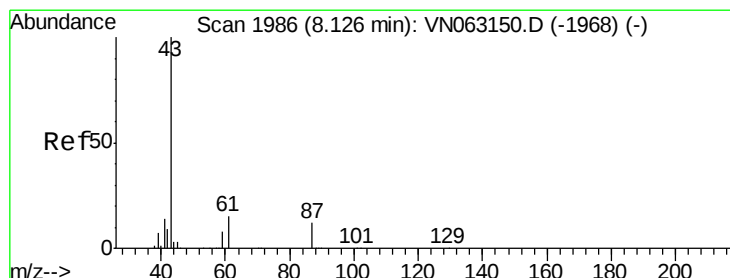
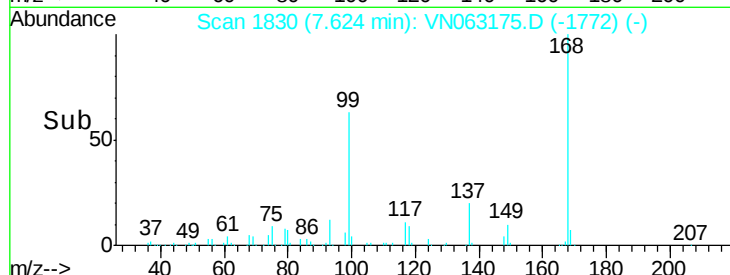
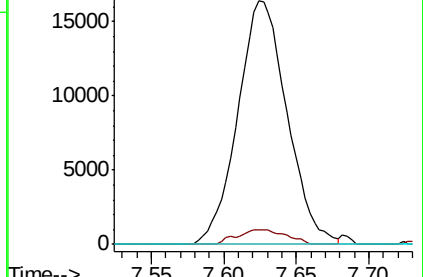
121 0.0 25.6 38.4#



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



#43

Isopropyl Acetate

Concen: 6.552 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

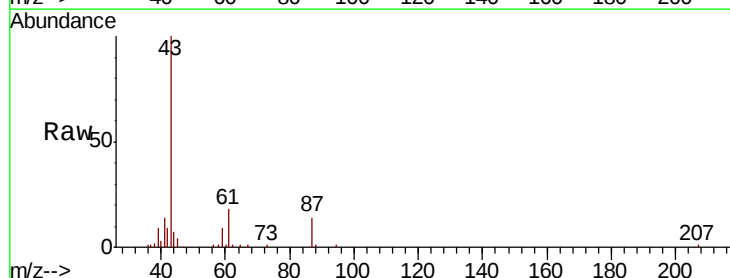
Tgt Ion: 43 Resp: 70185

Ion Ratio Lower Upper

43 100

61 18.7 20.2 30.4#

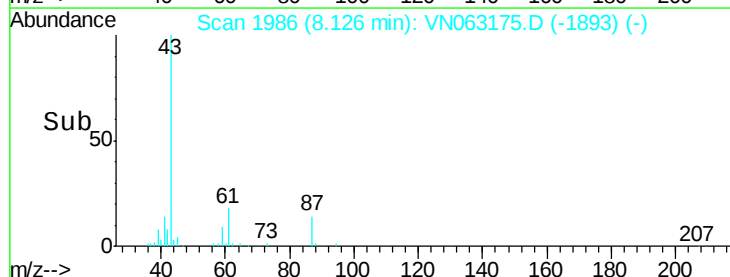
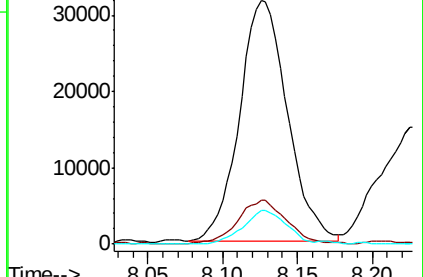
87 12.6 9.8 14.6

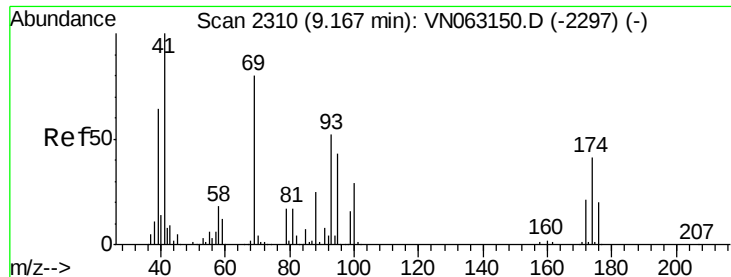


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

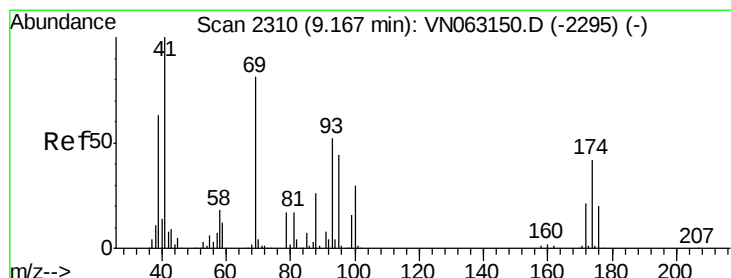
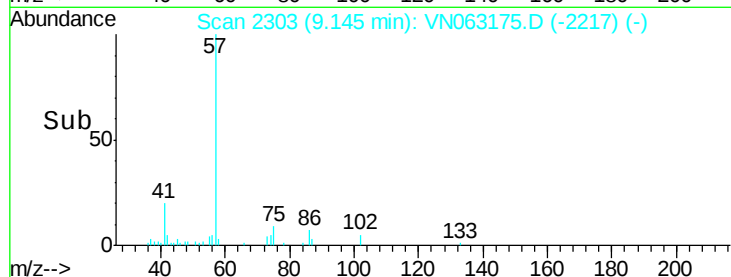
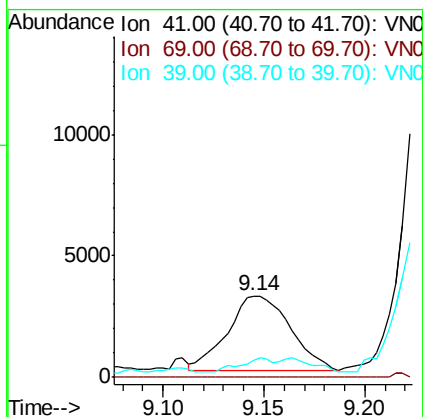
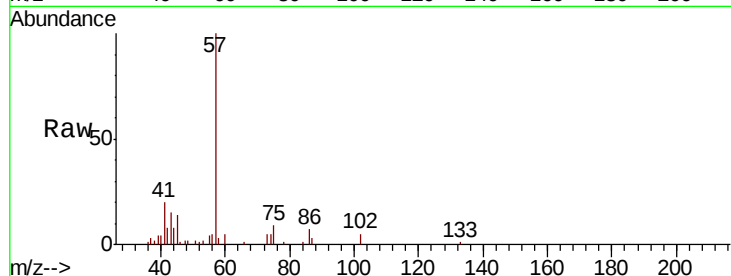




#48
Methvl methacrylate
Concen: 1.369 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

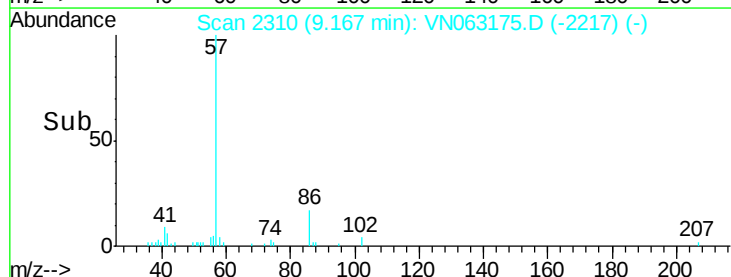
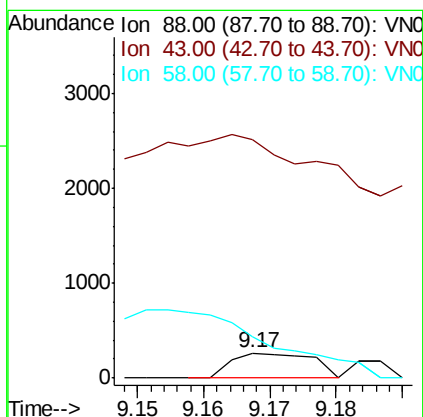
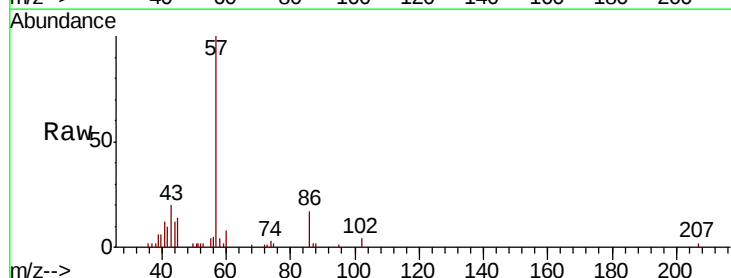
Instrument :
MSVOA_N
ClientSampled :

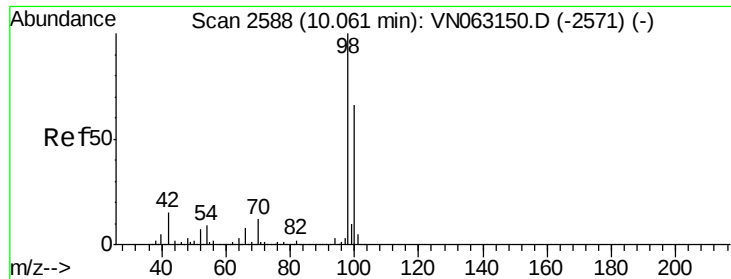
Tot Ion: 41 Resp: 6612
Ion Ratio Lower Upper
41 100
69 0.0 65.9 98.9#
39 10.7 52.0 78.0#



#49
1,4-Dioxane
Concen: 2.999 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 88 Resp: 224
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 601.3 53.2 79.8#

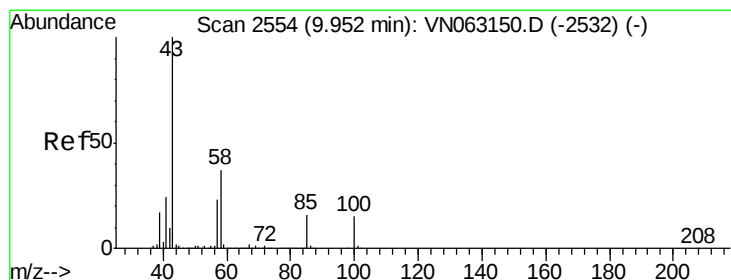
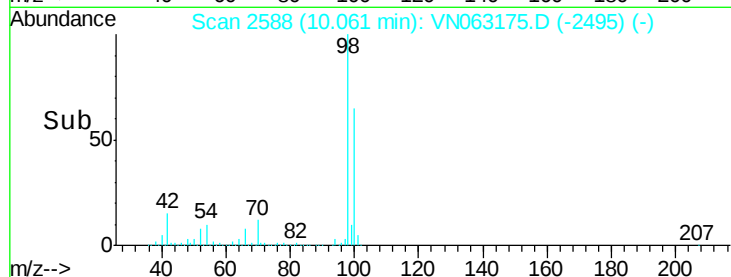
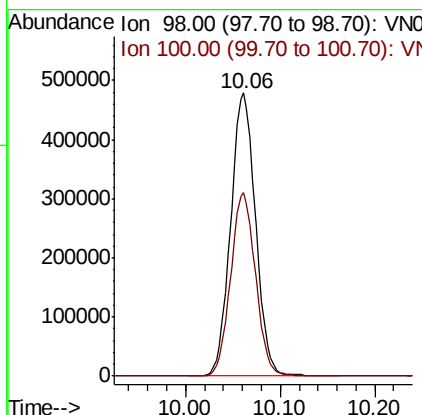
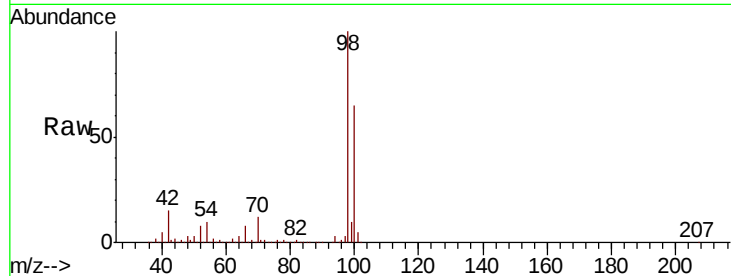




#50
Toluene-d8
Concen: 51.917 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

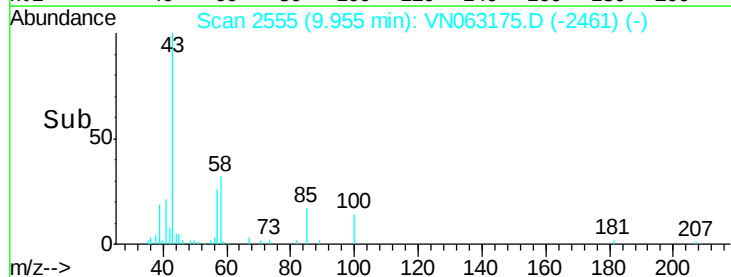
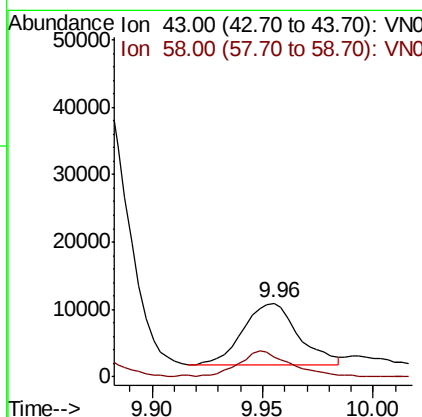
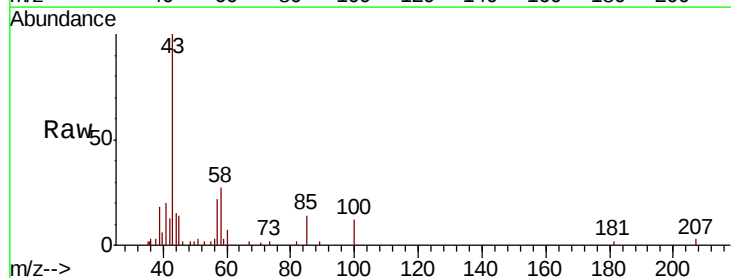
Instrument :
MSVOA_N
ClientSampled :

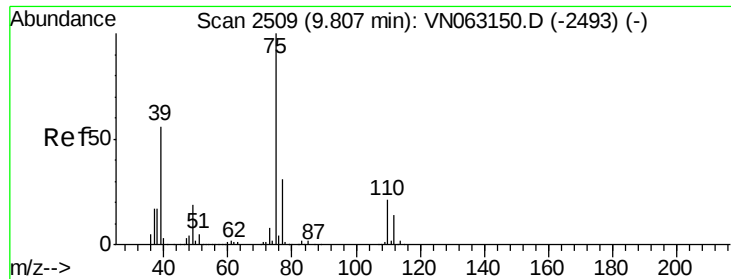
Tot Ion: 98 Resp: 875860
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.782 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 43 Resp: 16192
Ion Ratio Lower Upper
43 100
58 39.1 29.2 43.8





#54

cis-1,3-Dichloropropene

Concen: 4.516 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Instrument :

MSVOA_N

ClientSampled :

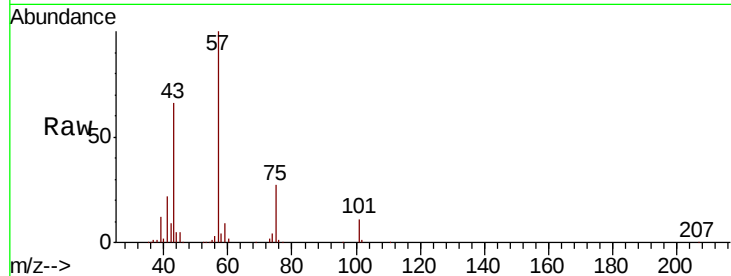
Tot Ion: 75 Resp: 37637

Ion Ratio Lower Upper

75 100

77 1.3 24.8 37.2#

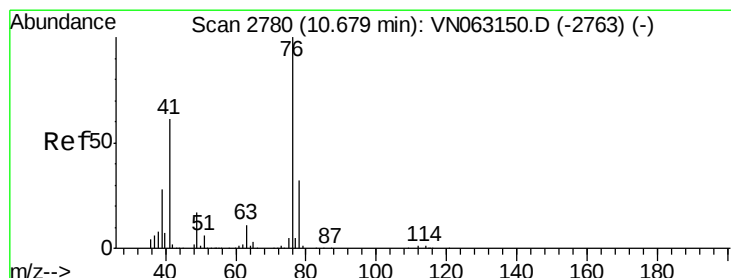
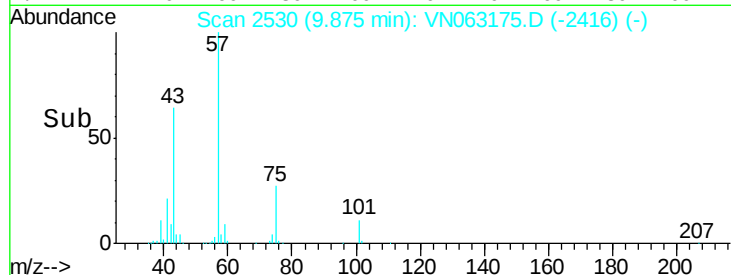
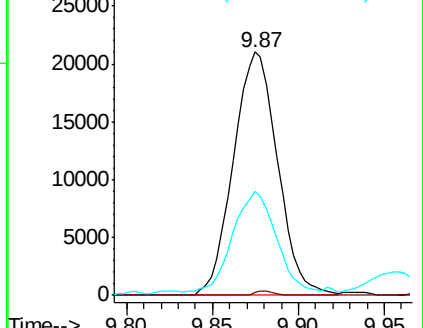
39 41.5 45.0 67.6#



Abundance Ion 74.90 (74.60 to 75.60): VN063175.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN063175.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN063175.D (-2416) (-)



#57

1,3-Dichloropropane

Concen: 0.353 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063175.D

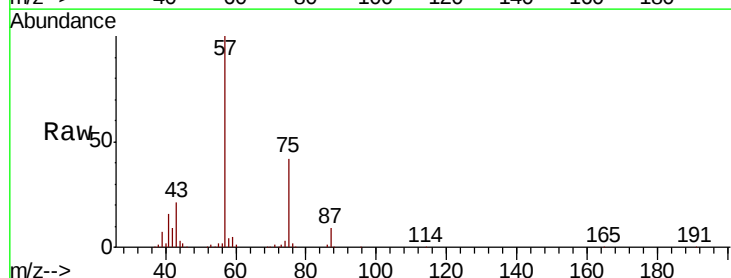
Acq: 1 Sep 2020 23:16

Tgt Ion: 76 Resp: 2897

Ion Ratio Lower Upper

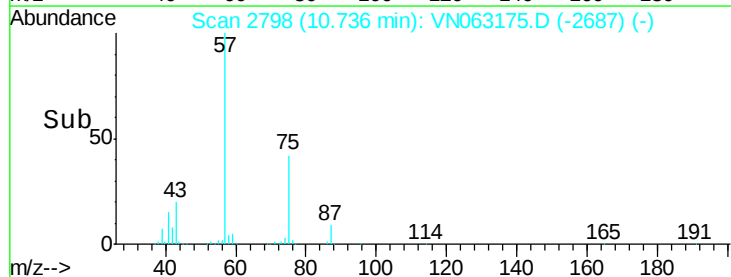
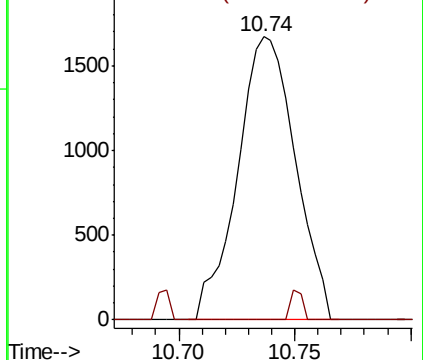
76 100

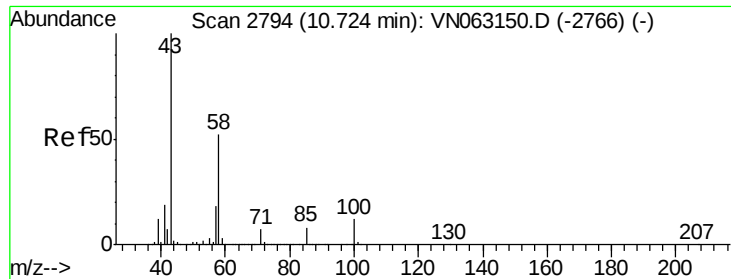
78 2.2 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN063175.D (-2687) (-)

Ion 77.90 (77.60 to 78.60): VN063175.D (-2687) (-)

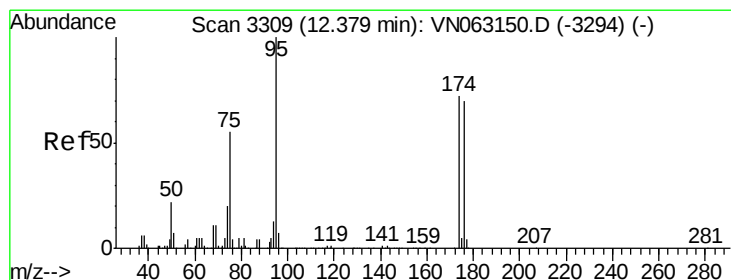
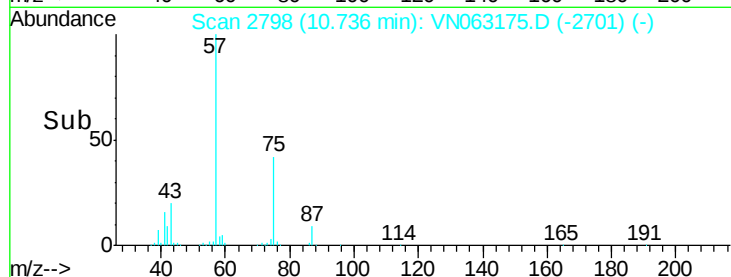
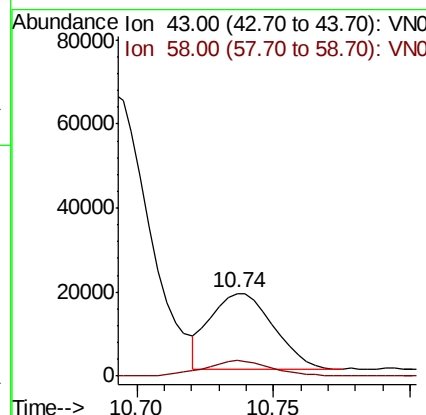
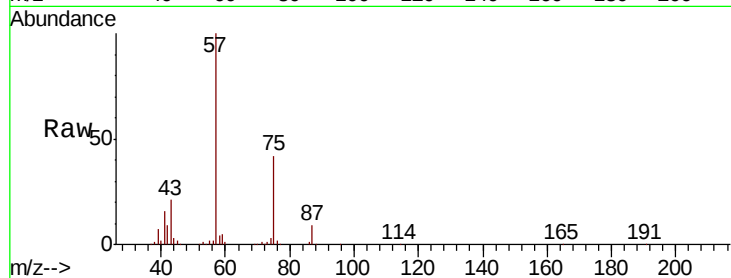




#59
2-Hexanone
Concen: 7.139 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.01 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

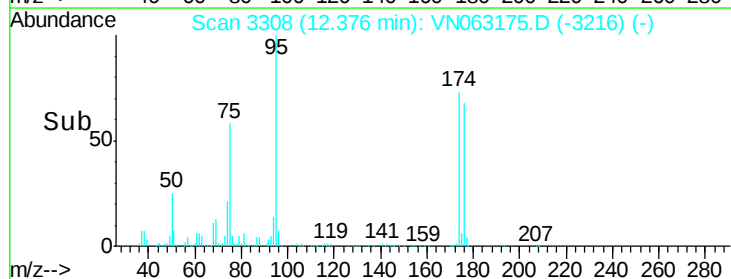
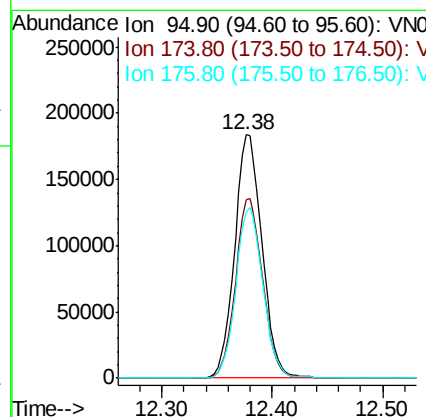
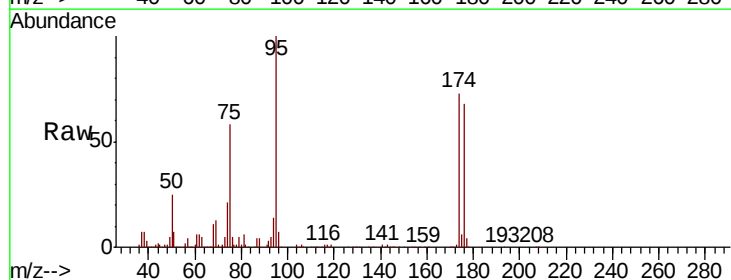
Instrument :
MSVOA_N
ClientSampled :

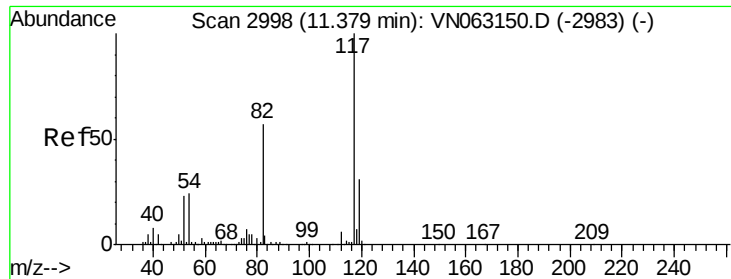
Tot Ion: 43 Resp: 29203
Ion Ratio Lower Upper
43 100
58 22.2 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 53.664 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion: 95 Resp: 316689
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 69.4 0.0 138.4

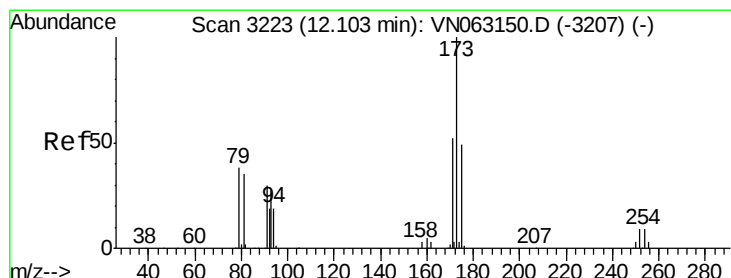
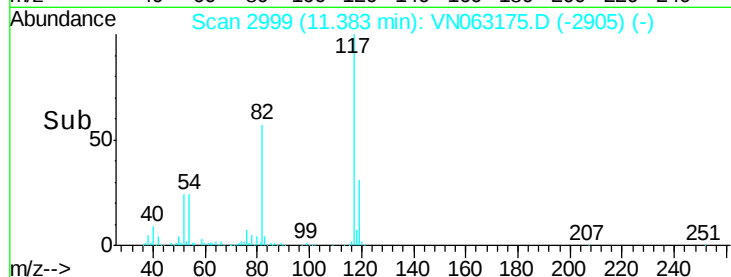
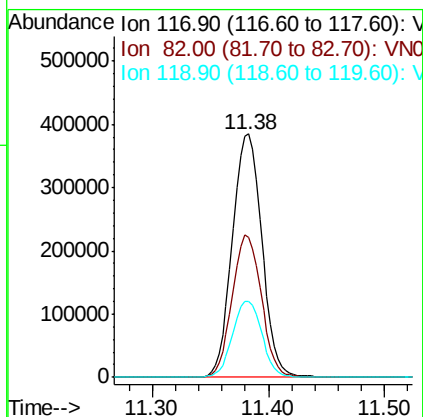
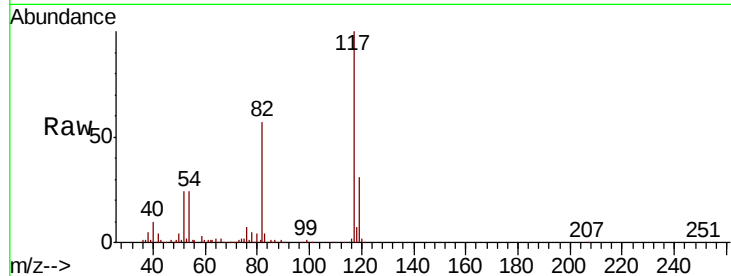




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

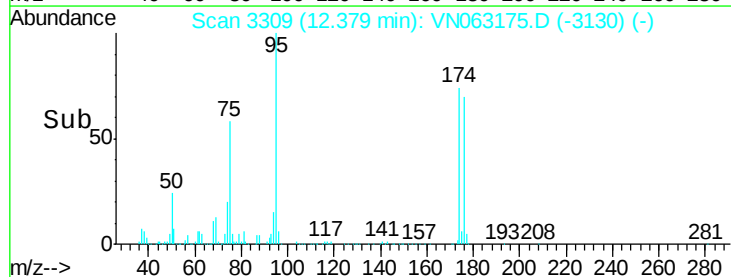
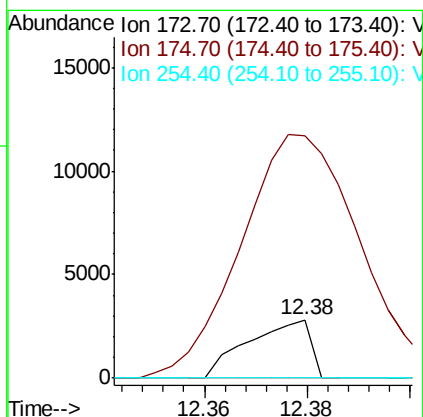
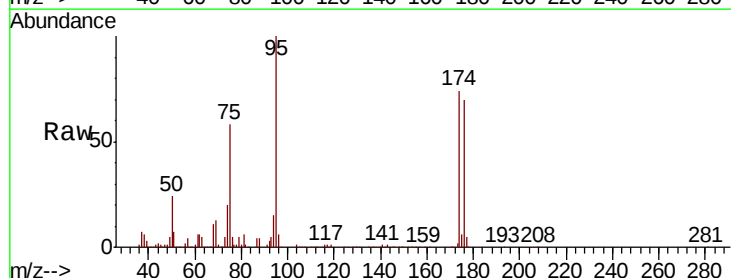
Instrument :
MSVOA_N
ClientSampled :

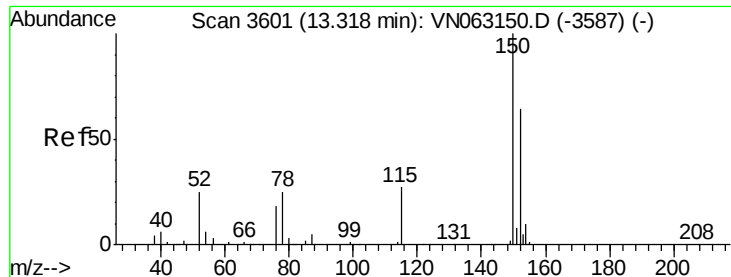
Tot Ion:117 Resp: 681057
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.0
119 31.4 24.6 37.0



#71
Bromoform
Concen: 0.681 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063175.D
Acq: 1 Sep 2020 23:16

Tgt Ion:173 Resp: 2352
Ion Ratio Lower Upper
173 100
175 694.2 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Instrument :

MSVOA_N

ClientSampleId :

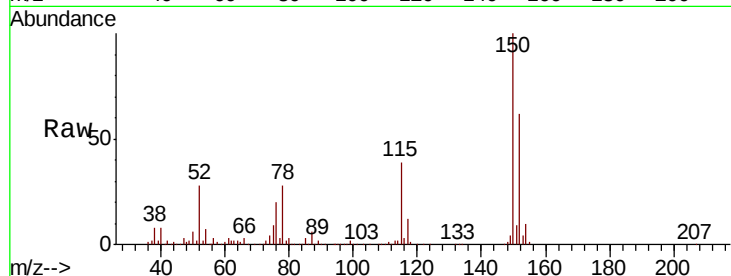
Tot Ion:152 Resp: 277169

Ion Ratio Lower Upper

152 100

115 62.2 32.0 96.2

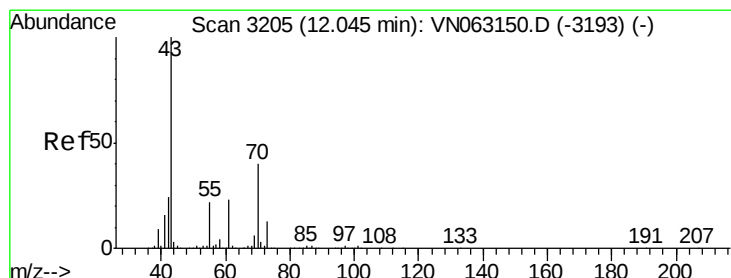
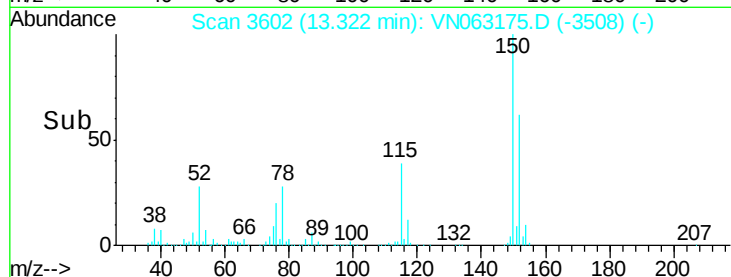
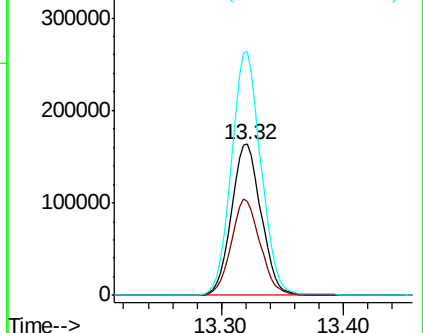
150 159.3 0.0 353.0



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



#74

N-ethyl acetate

Concen: 0.724 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063175.D

Acq: 1 Sep 2020 23:16

Tgt Ion: 43 Resp: 6376

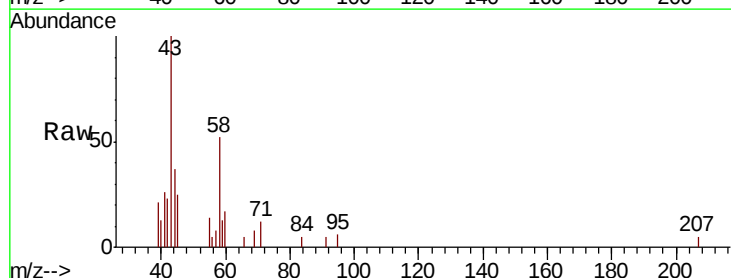
Ion Ratio Lower Upper

43 100

70 0.0 32.1 48.1#

55 16.4 17.4 26.0#

61 0.0 18.6 27.8#

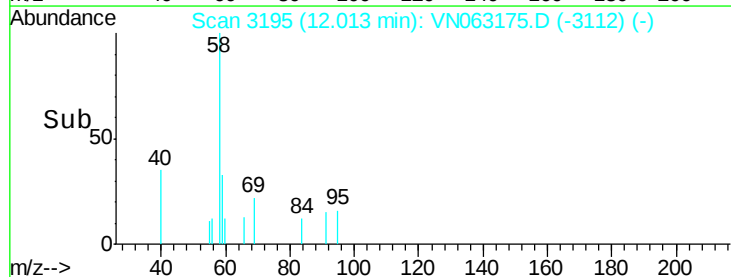
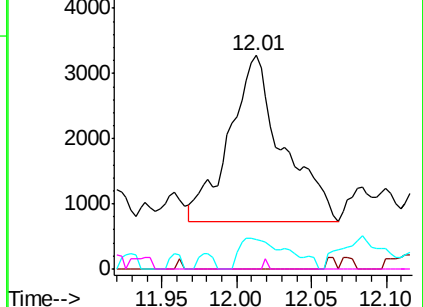


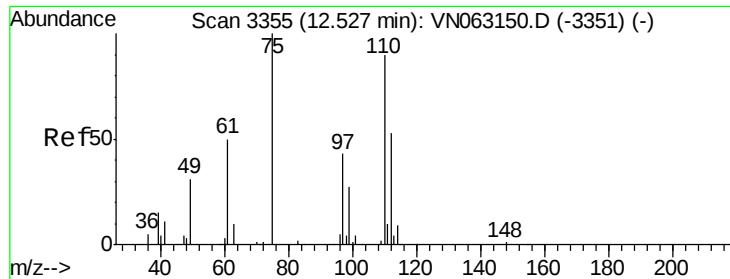
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

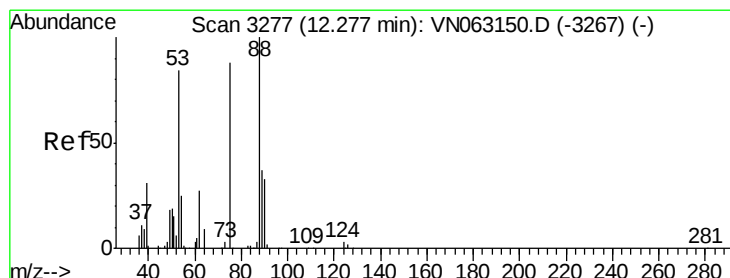
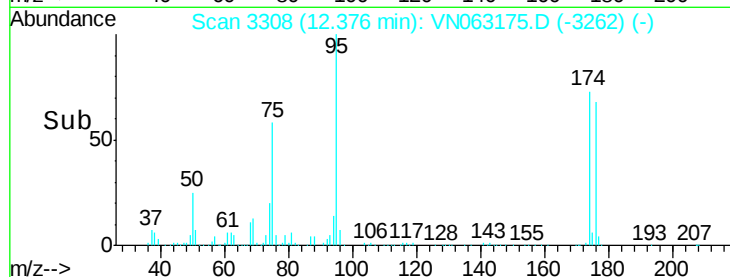
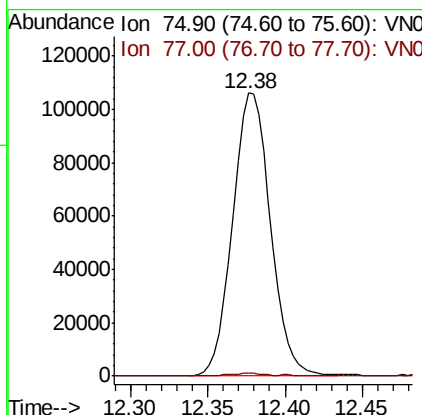
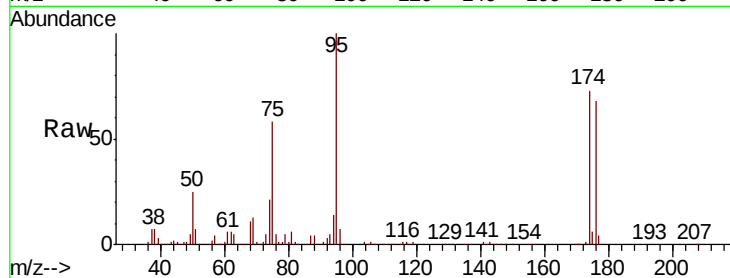




#76
 1,2,3-Trichloropropane
 Concen: 32.890 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 179111
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.494 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063175.D
 Acq: 1 Sep 2020 23:16

Tgt Ion: 75 Resp: 179111
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.7 118.1#
 89 0.0 35.3 52.9#

