

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082224\
 Data File : VN083444.D
 Acq On : 22 Aug 2024 18:33
 Operator : JC\MD
 Sample : P3669-03 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 01:43:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

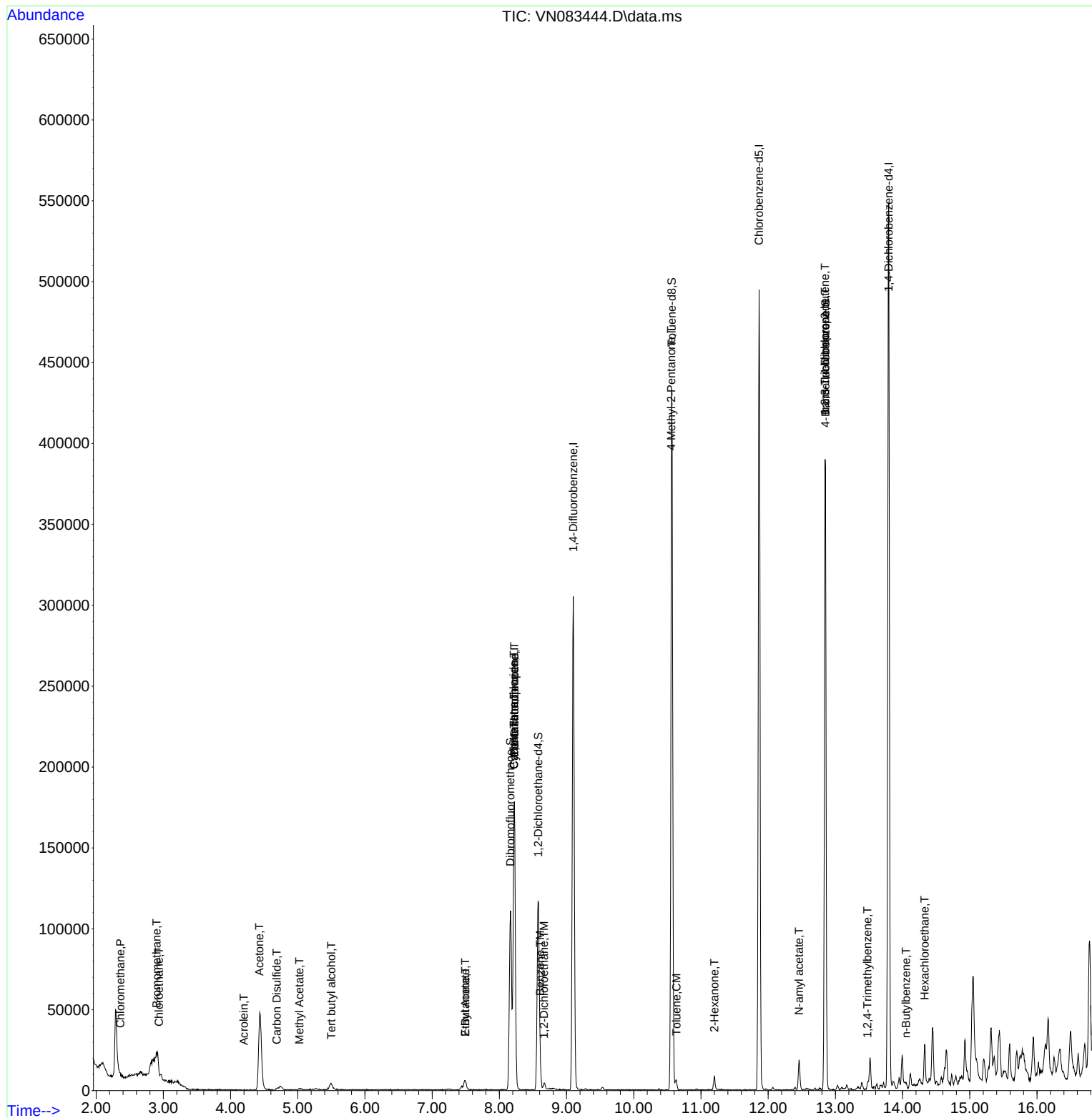
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	122200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100179	57.595	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.180%
35) Dibromofluoromethane	8.165	113	78250	49.879	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	10.565	98	287746	49.170	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.853	95	138368	60.649	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	121.300%#
Target Compounds						Qvalue
3) Chloromethane	2.359	50	572	0.403	ug/l #	43
5) Bromomethane	2.900	94	437	0.486	ug/l #	74
6) Chloroethane	2.936	64	665	0.734	ug/l	98
11) Tert butyl alcohol	5.500	59	4098	11.337	ug/l #	71
13) Acrolein	4.200	56	54	0.229	ug/l #	14
16) Acetone	4.430	43	34172	50.208	ug/l	91
17) Carbon Disulfide	4.689	76	2292	0.578	ug/l #	75
18) Methyl Acetate	5.024	43	1775	0.875	ug/l #	64
25) 2-Butanone	7.494	43	10666	10.206	ug/l	96
31) Cyclohexane	8.218	56	3343	1.297	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	11442	4.821	ug/l #	52
37) Ethyl Acetate	7.494	43	10666	4.014	ug/l #	72
38) Carbon Tetrachloride	8.218	117	14615	5.468	ug/l #	16
40) Benzene	8.606	78	9582	1.355	ug/l	94
42) 1,2-Dichloroethane	8.665	62	3700	1.437	ug/l	88
43) Isopropyl Acetate	8.706	43	722	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.559	43	1222	0.486	ug/l #	1
52) Toluene	10.635	92	2784	0.623	ug/l	91
59) 2-Hexanone	11.200	43	5681	2.922	ug/l	95
74) N-amyl acetate	12.459	43	12820	2.193	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	76998	24.557	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76998	53.417	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.476	105	4010	0.398	ug/l	85
89) n-Butylbenzene	14.053	91	2635	0.305	ug/l	88
90) Hexachloroethane	14.329	117	1402	0.727	ug/l #	14

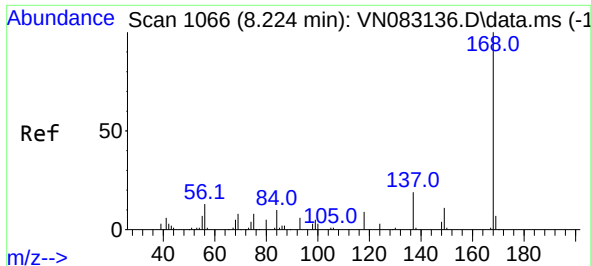
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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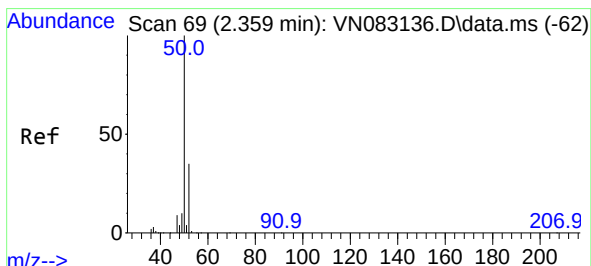
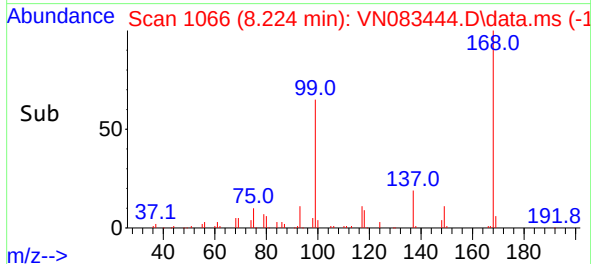
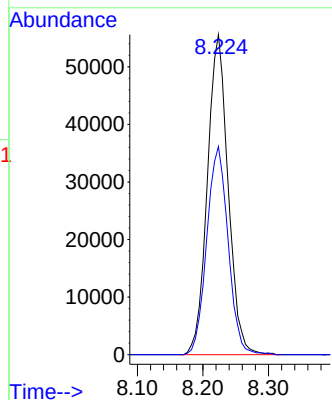
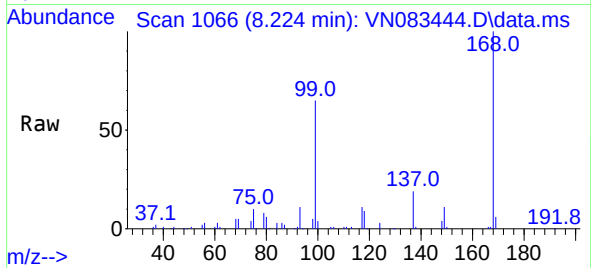




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

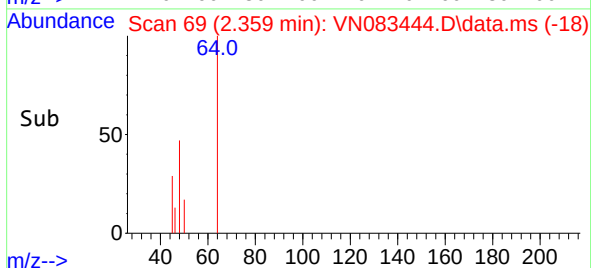
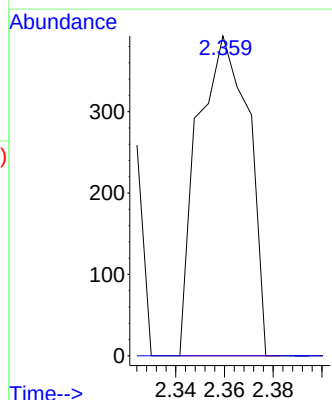
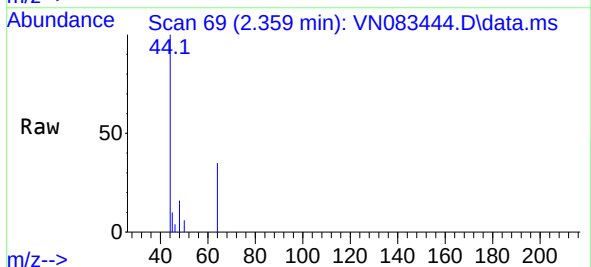
Instrument :
MSVOA_N
ClientSampleId :

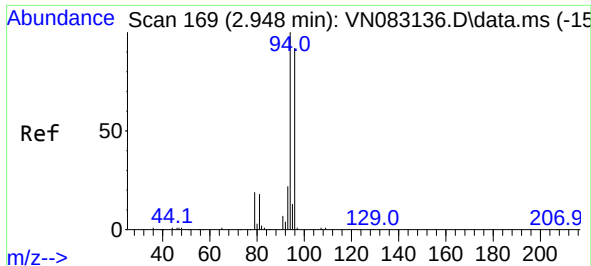
Tgt Ion:168 Resp: 122200
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.4



#3
Chloromethane
Concen: 0.403 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 50 Resp: 572
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

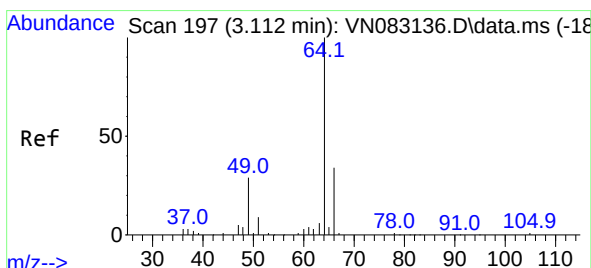
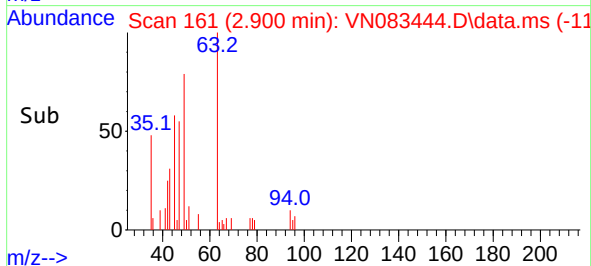
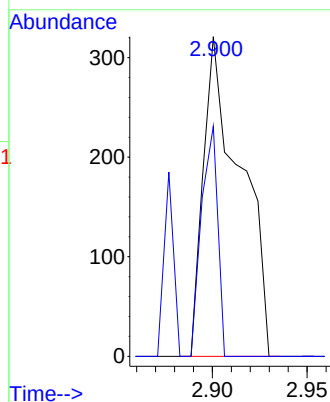
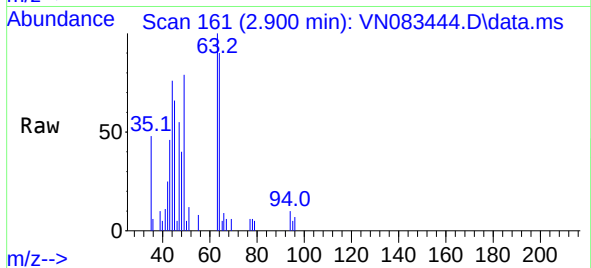




#5
Bromomethane
Concen: 0.486 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

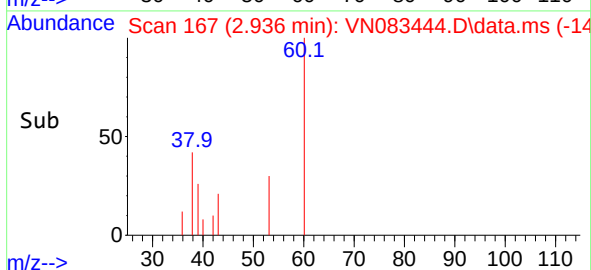
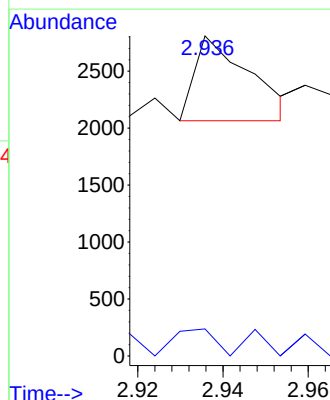
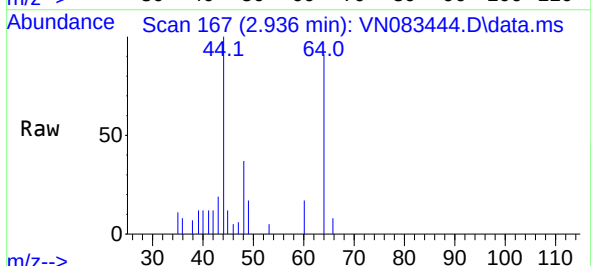
Instrument :
MSVOA_N
ClientSampleId :

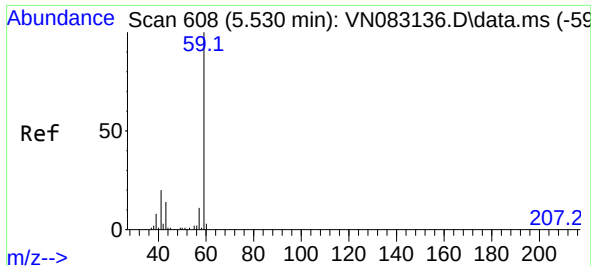
Tgt Ion: 94 Resp: 437
Ion Ratio Lower Upper
94 100
96 72.0 78.0 117.0#



#6
Chloroethane
Concen: 0.734 ug/l
RT: 2.936 min Scan# 167
Delta R.T. -0.176 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

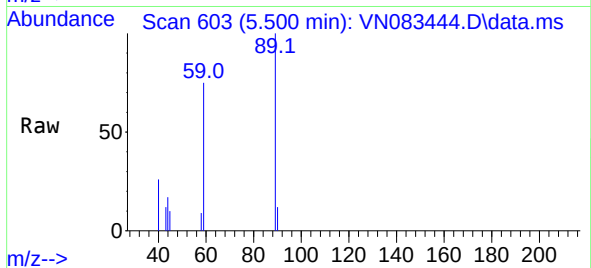
Tgt Ion: 64 Resp: 665
Ion Ratio Lower Upper
64 100
66 32.0 26.6 40.0



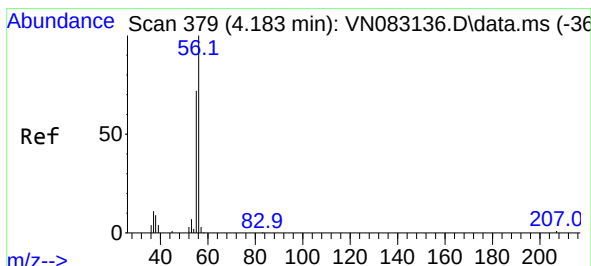
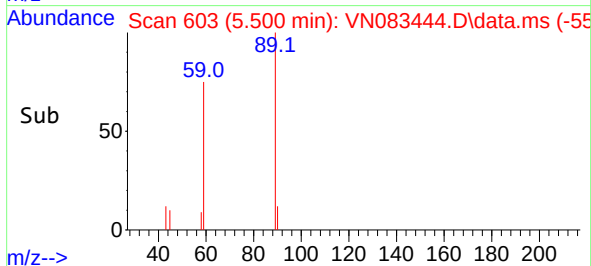
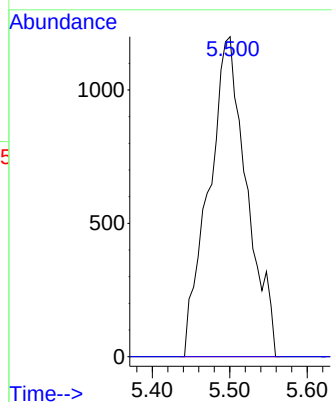


#11
Tert butyl alcohol
Concen: 11.337 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.029 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

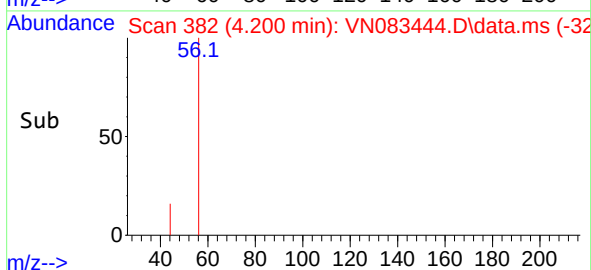
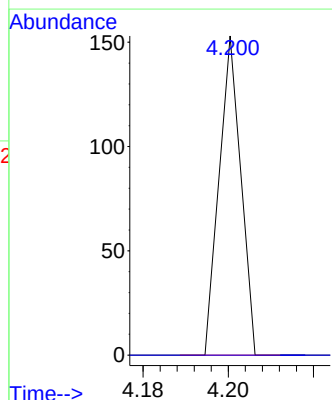
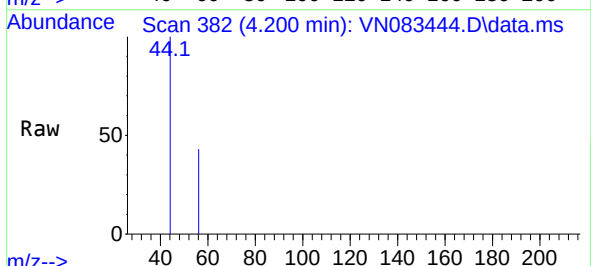


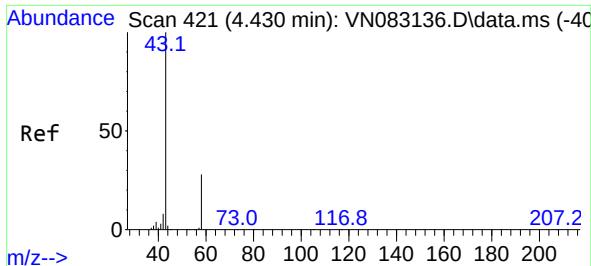
Tgt Ion: 59 Resp: 4098
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.229 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.018 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

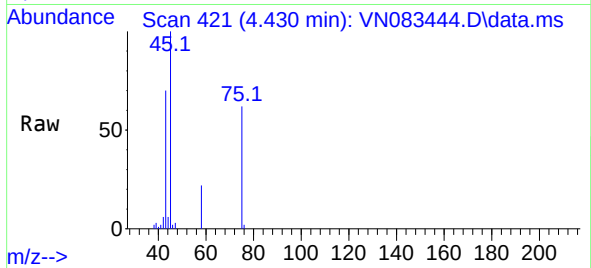
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



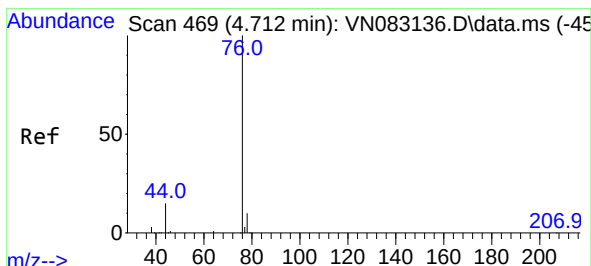
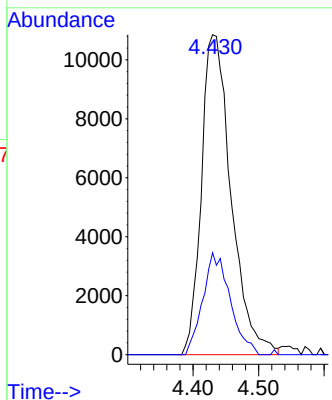
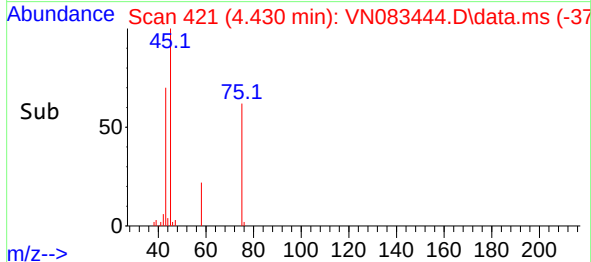


#16
Acetone
Concen: 50.208 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

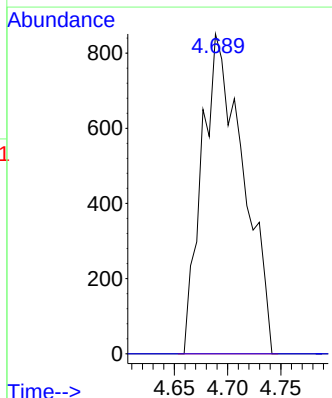
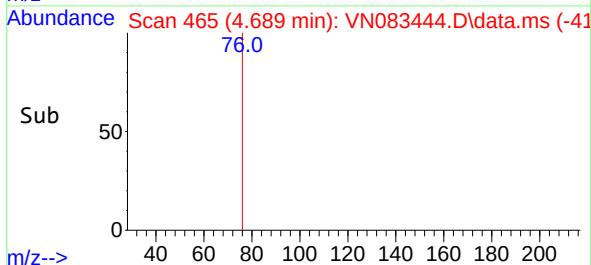
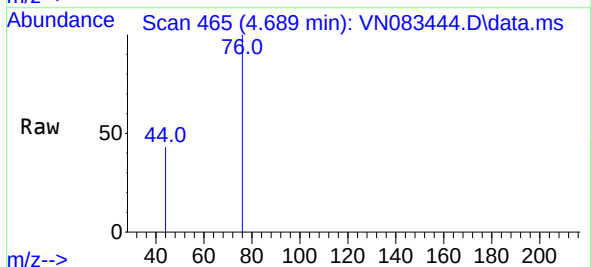


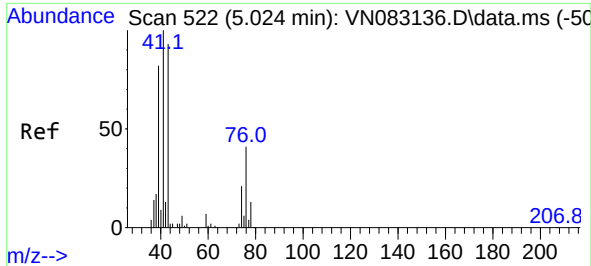
Tgt Ion: 43 Resp: 34172
Ion Ratio Lower Upper
43 100
58 31.9 21.8 32.6



#17
Carbon Disulfide
Concen: 0.578 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.024 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

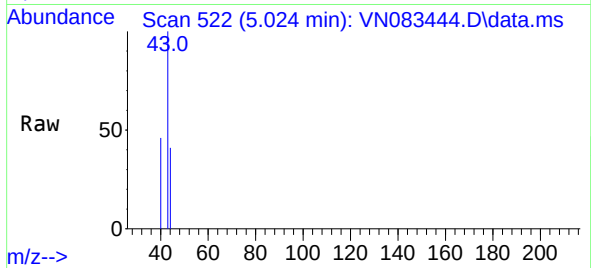
Tgt Ion: 76 Resp: 2292
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



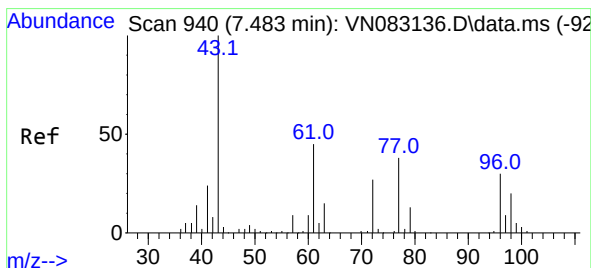
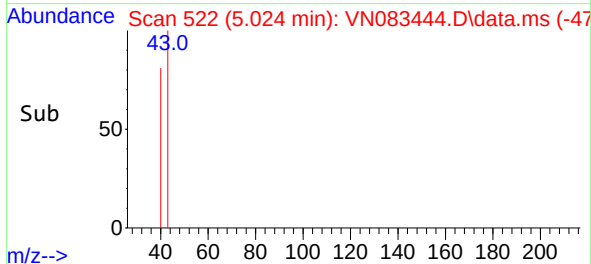
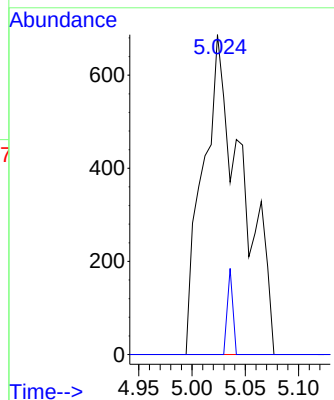


#18
Methyl Acetate
Concen: 0.875 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

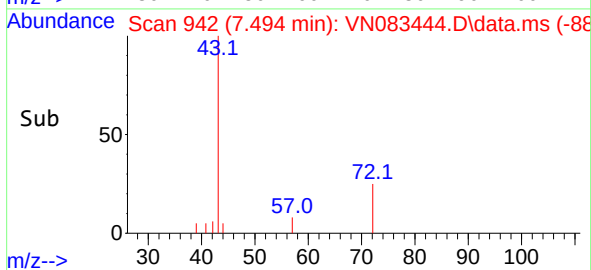
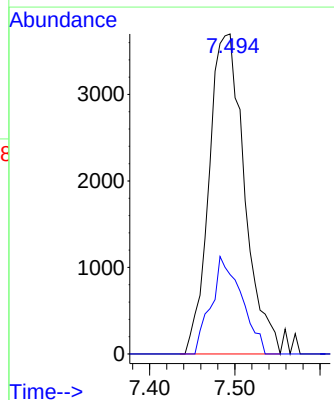
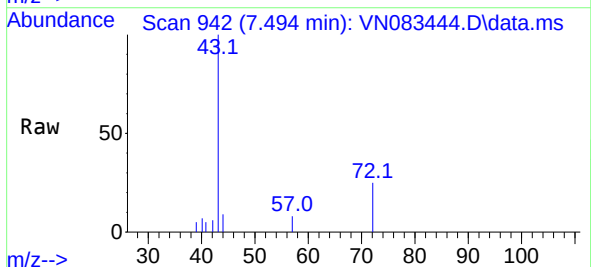


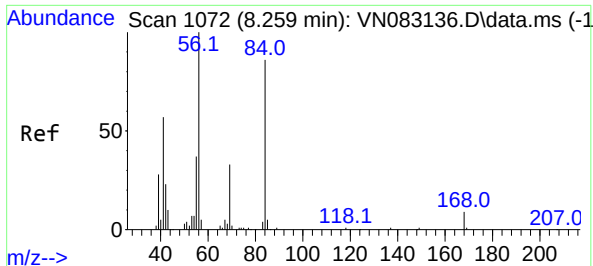
Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
74 3.7 16.3 24.5#



#25
2-Butanone
Concen: 10.206 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 43 Resp: 10666
Ion Ratio Lower Upper
43 100
72 24.8 18.2 27.2





#31

Cyclohexane

Concen: 1.297 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

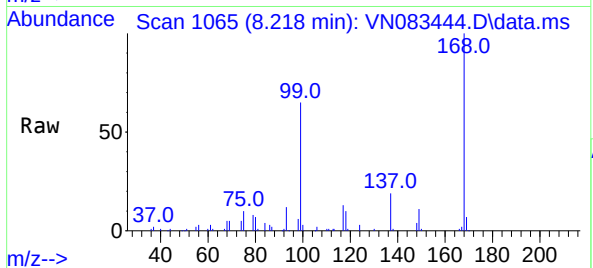
Lab File: VN083444.D

Acq: 22 Aug 2024 18:33

Instrument :

MSVOA_N

ClientSampleId :



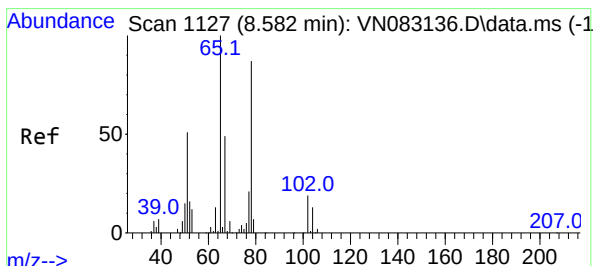
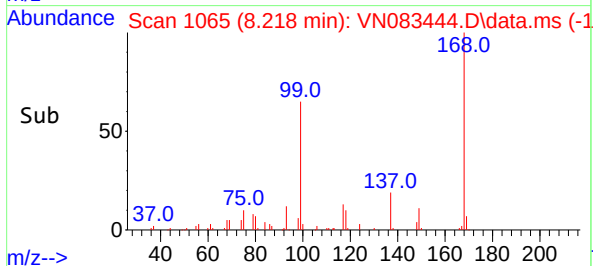
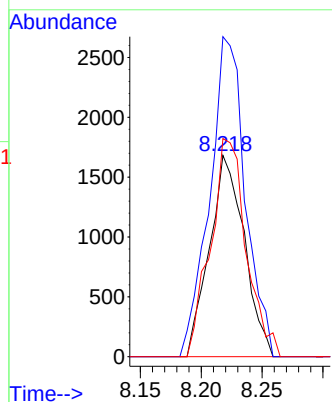
Tgt Ion: 56 Resp: 3343

Ion Ratio Lower Upper

56 100

69 159.0 24.5 36.7#

84 108.4 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 57.595 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083444.D

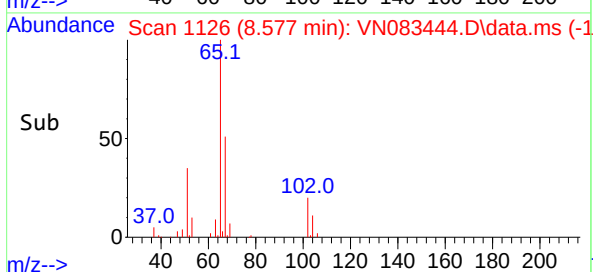
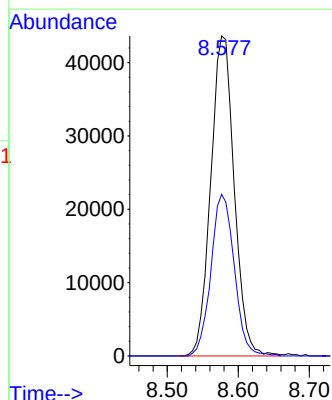
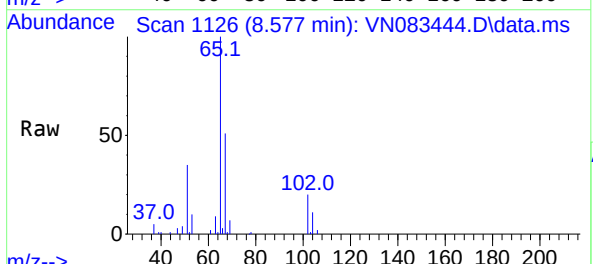
Acq: 22 Aug 2024 18:33

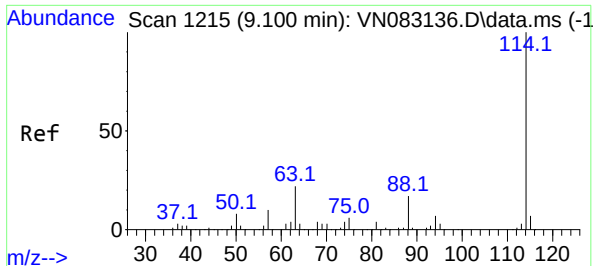
Tgt Ion: 65 Resp: 100179

Ion Ratio Lower Upper

65 100

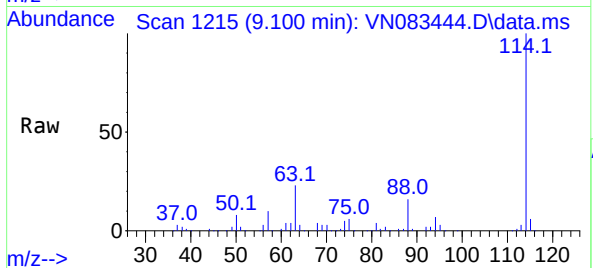
67 50.2 0.0 104.4



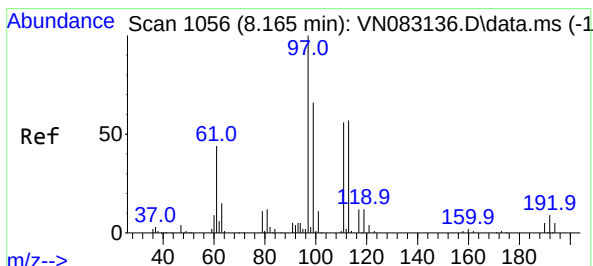
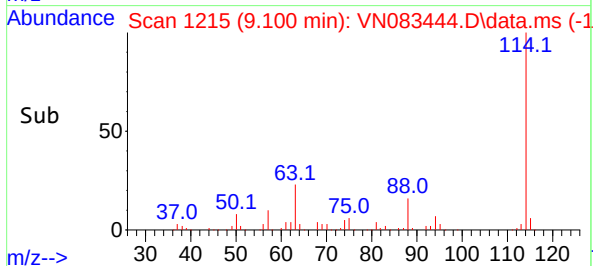
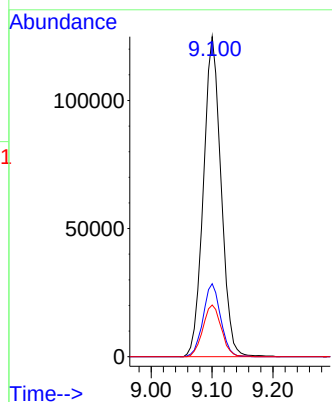


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

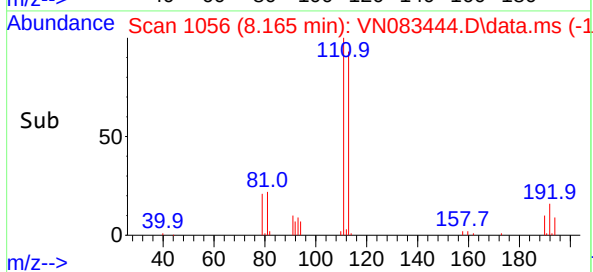
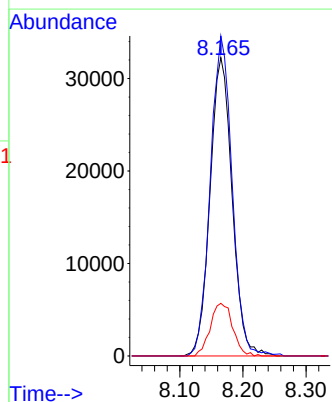
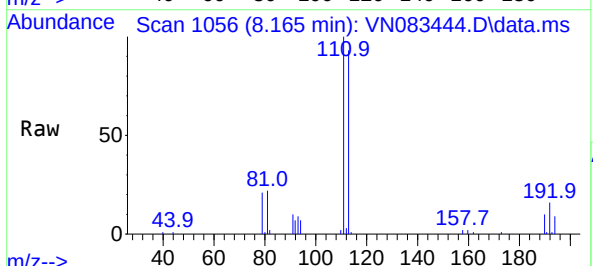


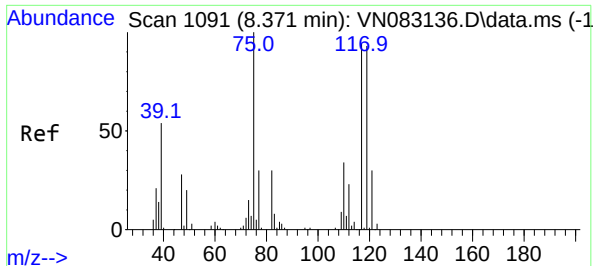
Tgt Ion:114 Resp: 251340
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.6
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.879 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

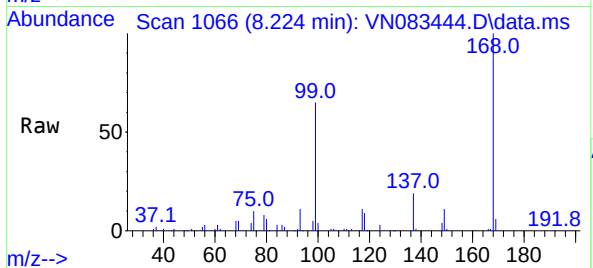
Tgt Ion:113 Resp: 78250
Ion Ratio Lower Upper
113 100
111 105.8 82.4 123.6
192 17.9 14.9 22.3



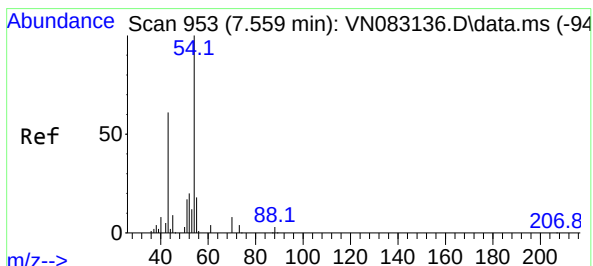
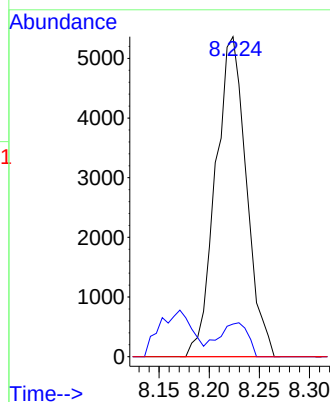
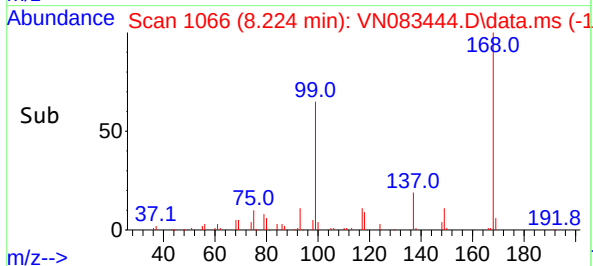


#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 8.224 min Scan# 11442
Delta R.T. -0.147 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

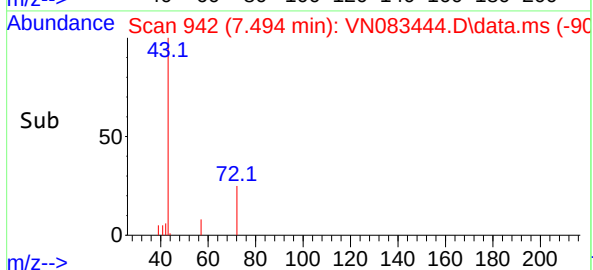
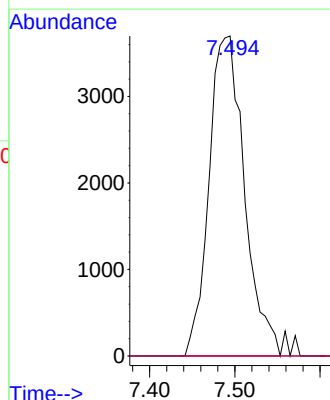
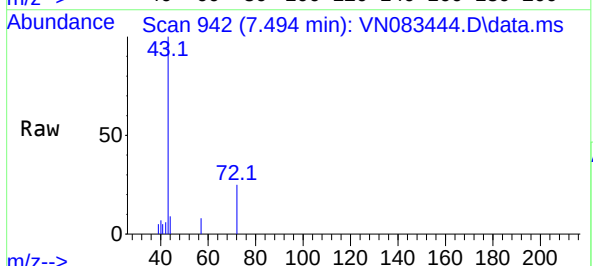


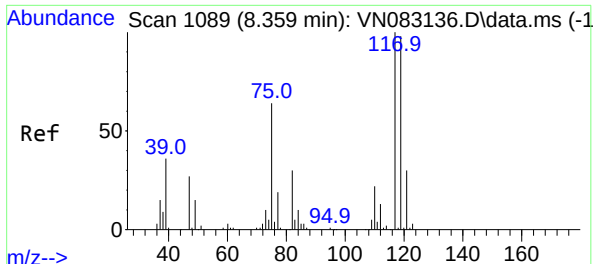
Tgt Ion: 75 Resp: 11442
Ion Ratio Lower Upper
75 100
110 10.1 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 4.014 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.065 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

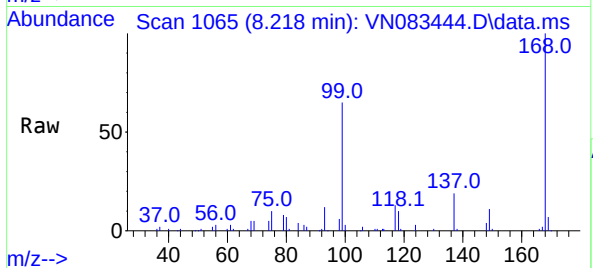
Tgt Ion: 43 Resp: 10666
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#



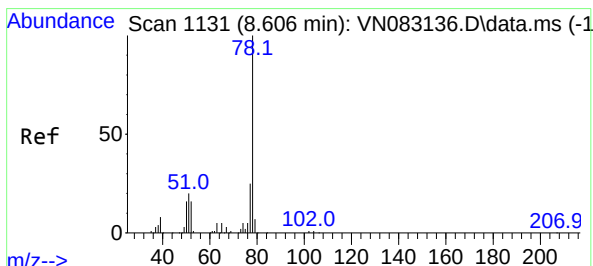
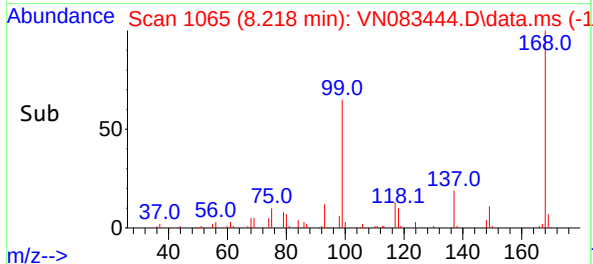
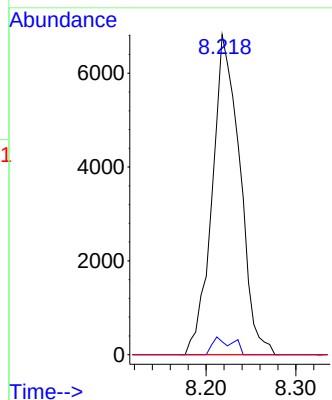


#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

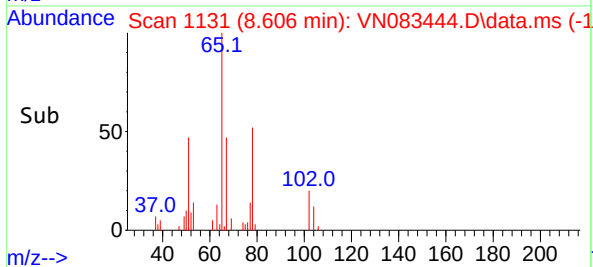
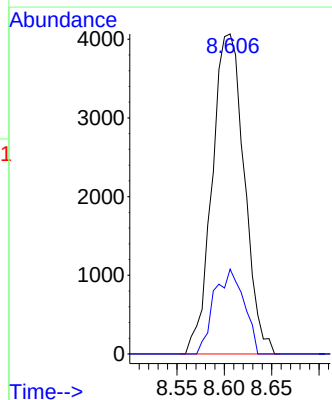
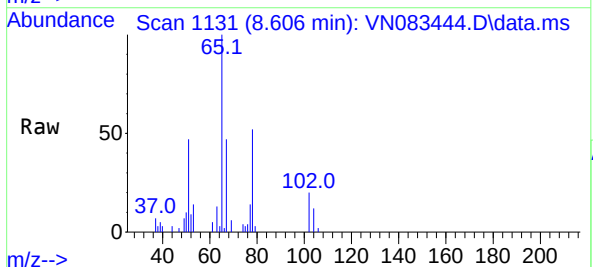


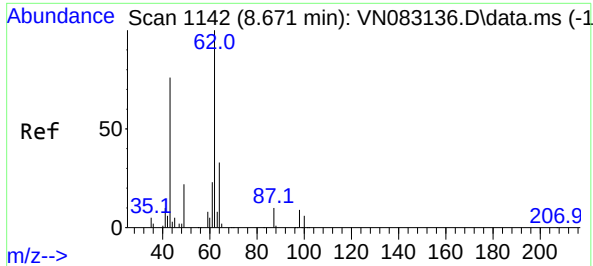
Tgt Ion:117 Resp: 14615
Ion Ratio Lower Upper
117 100
119 4.0 74.9 112.3#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 1.355 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 78 Resp: 9582
Ion Ratio Lower Upper
78 100
77 26.5 19.0 28.4





#42

1,2-Dichloroethane

Concen: 1.437 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.006 min

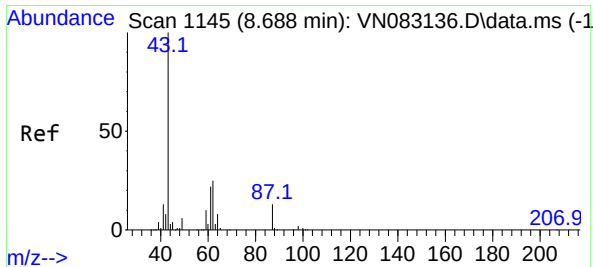
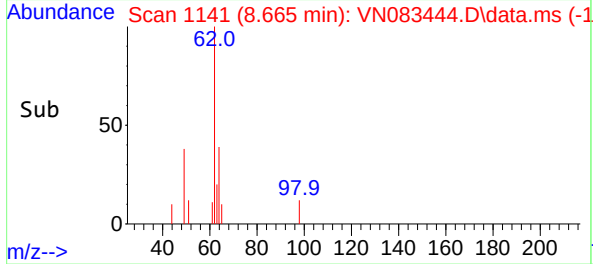
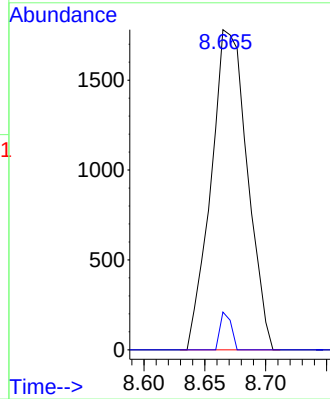
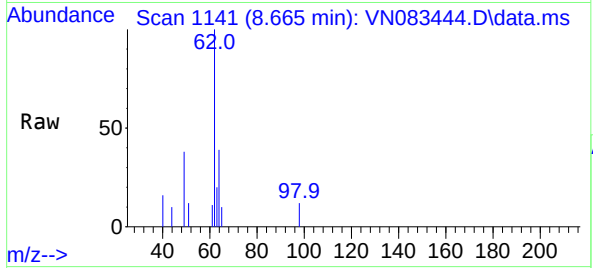
Lab File: VN083444.D

Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 62 Resp: 3700

Ion	Ratio	Lower	Upper
62	100		
98	3.6	0.0	15.8



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.706 min Scan# 1148

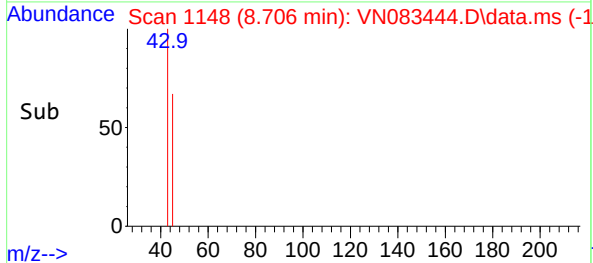
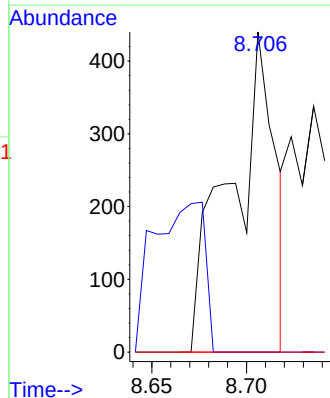
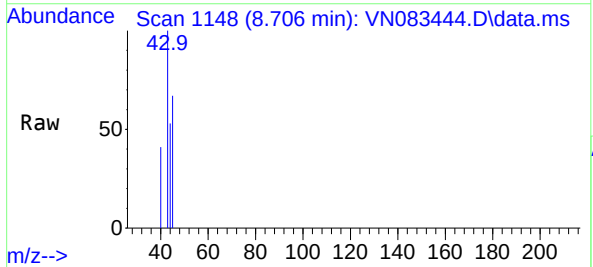
Delta R.T. 0.018 min

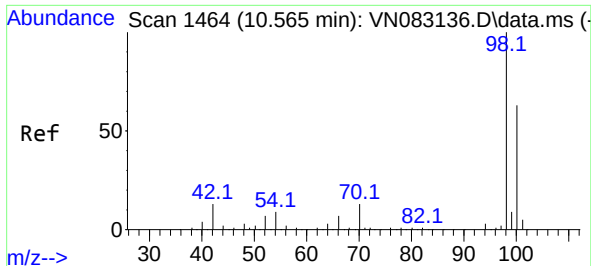
Lab File: VN083444.D

Acq: 22 Aug 2024 18:33

Tgt Ion: 43 Resp: 722

Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#

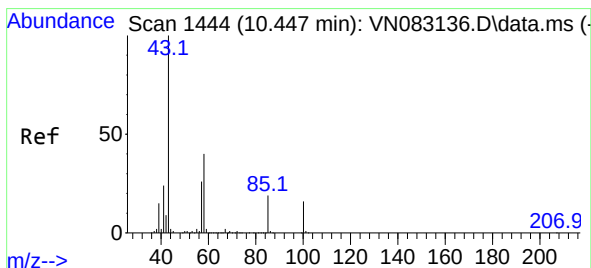
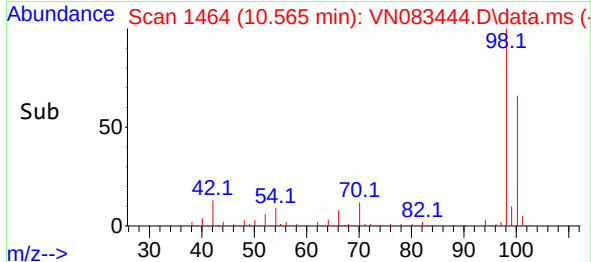
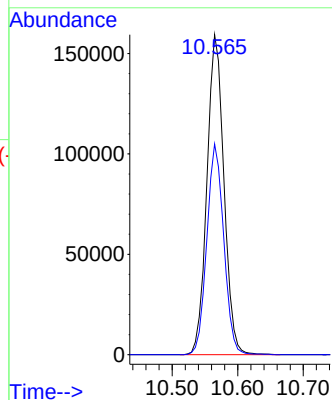
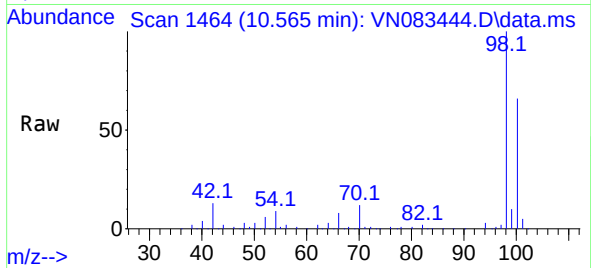




#50
Toluene-d8
Concen: 49.170 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

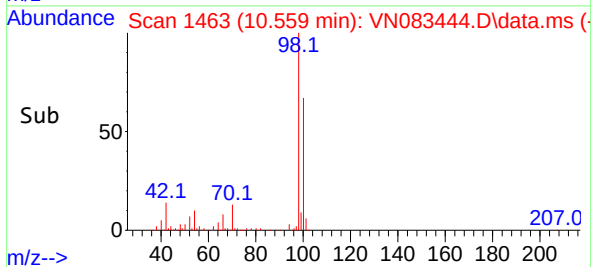
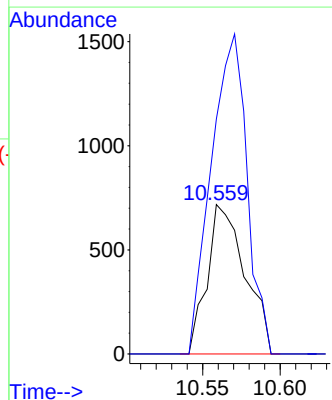
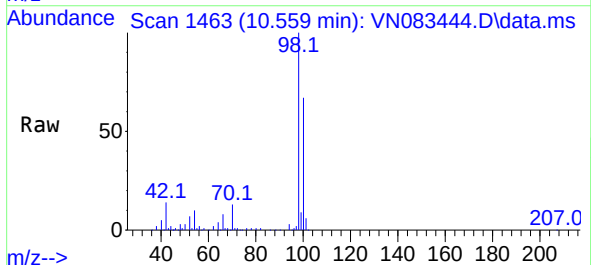
Instrument :
MSVOA_N
ClientSampleId :

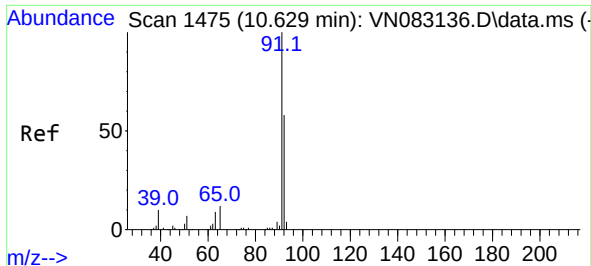
Tgt Ion: 98 Resp: 287746
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 202.1 28.2 42.4#

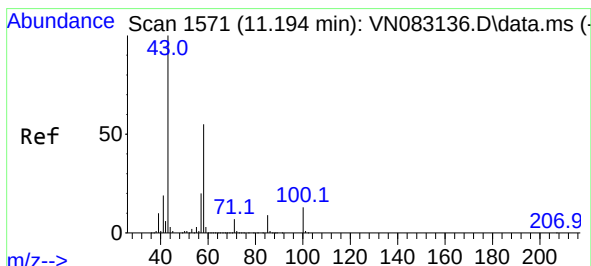
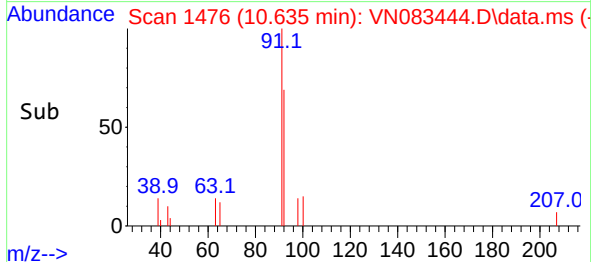
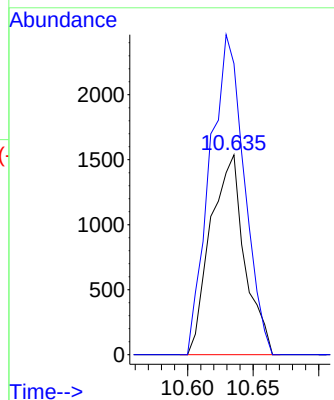
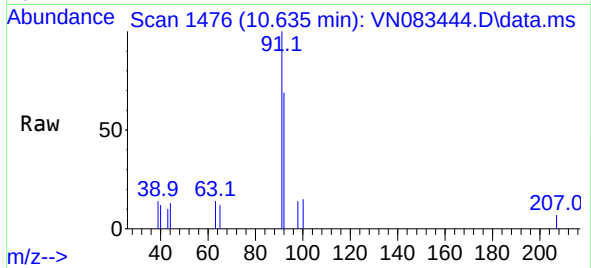




#52
Toluene
Concen: 0.623 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

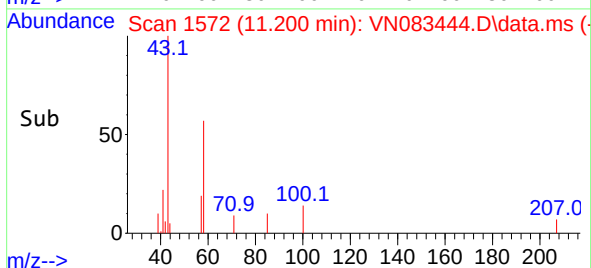
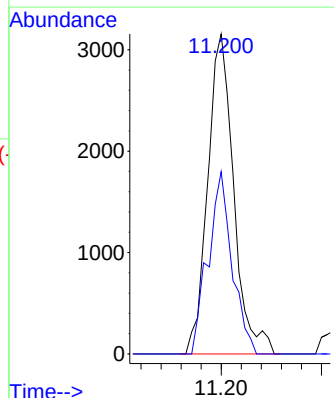
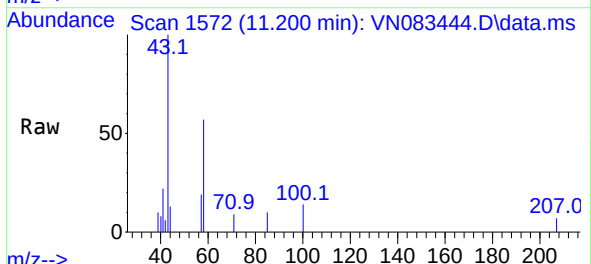
Instrument :
MSVOA_N
ClientSampleId :

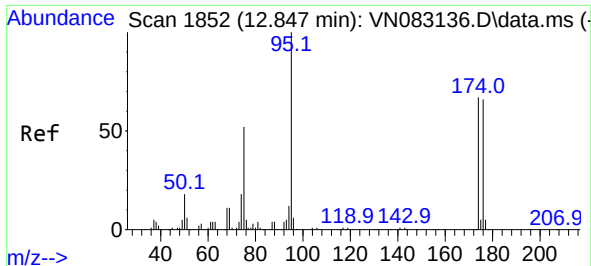
Tgt Ion: 92 Resp: 2784
Ion Ratio Lower Upper
92 100
91 161.7 139.4 209.0



#59
2-Hexanone
Concen: 2.922 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 43 Resp: 5681
Ion Ratio Lower Upper
43 100
58 52.4 24.6 73.8

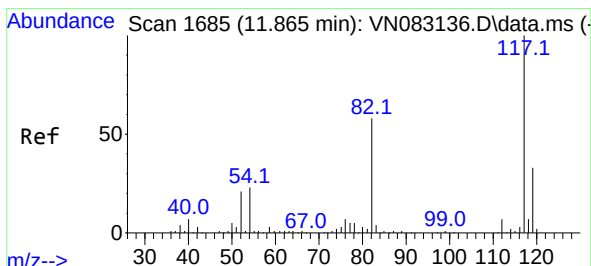
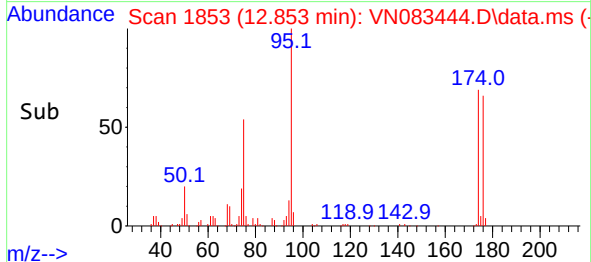
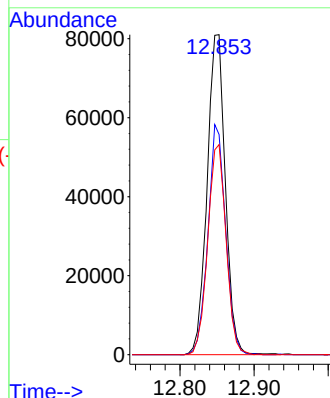
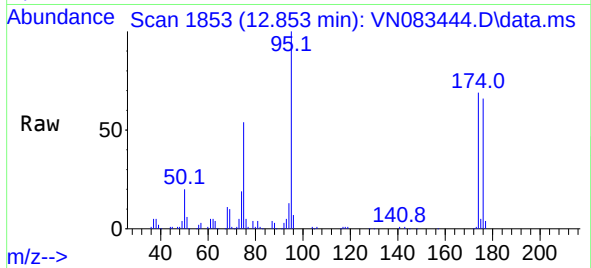




#62
4-Bromofluorobenzene
Concen: 60.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

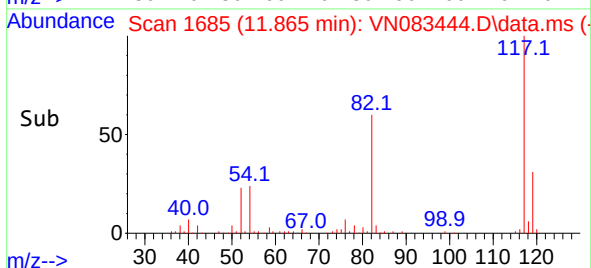
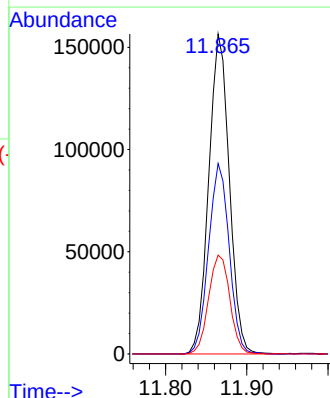
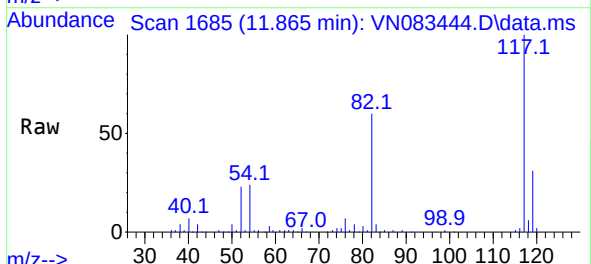
Instrument :
MSVOA_N
ClientSampleId :

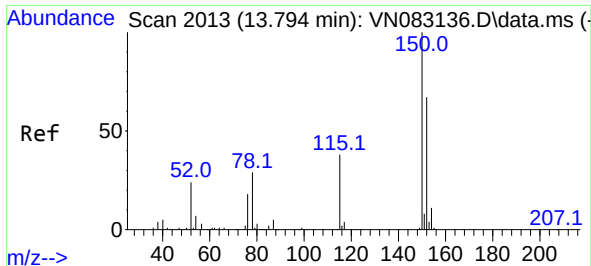
Tgt Ion: 95 Resp: 138368
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 65.9 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

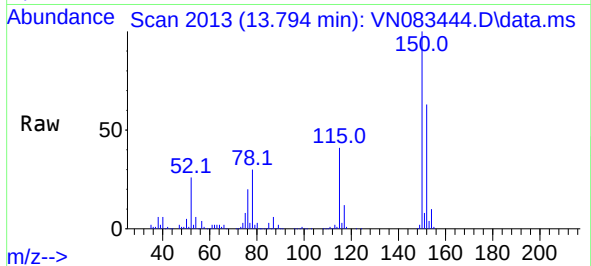
Tgt Ion: 117 Resp: 274707
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 30.9 25.6 38.4



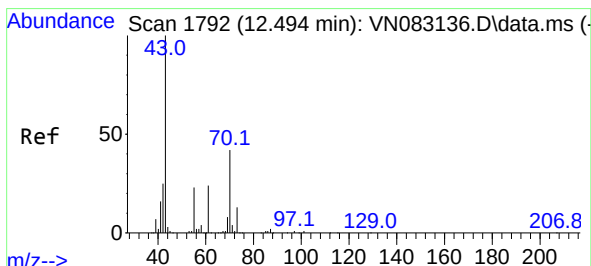
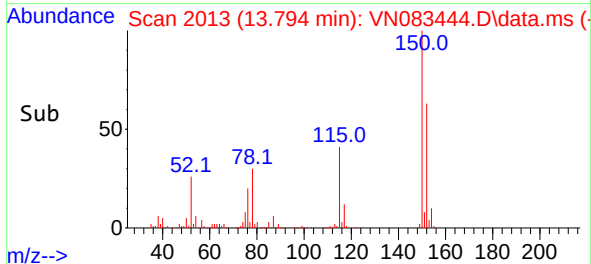
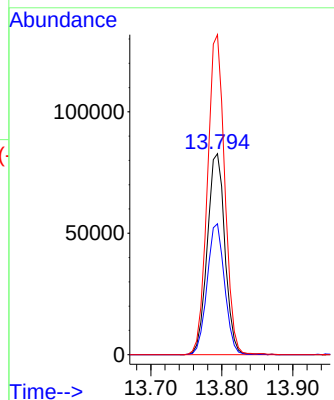


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Instrument :
MSVOA_N
ClientSampleId :

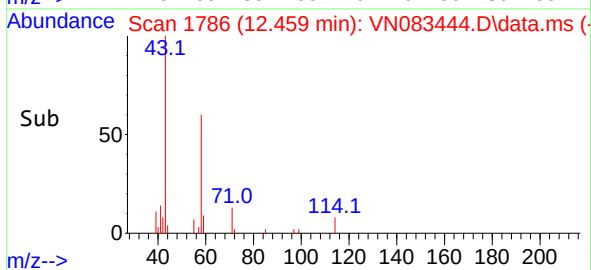
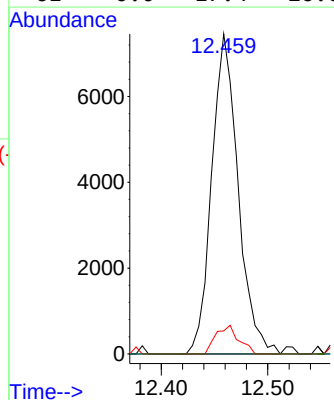
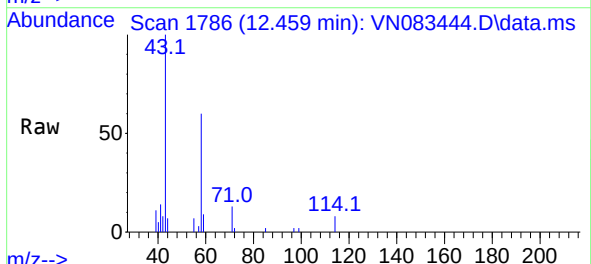


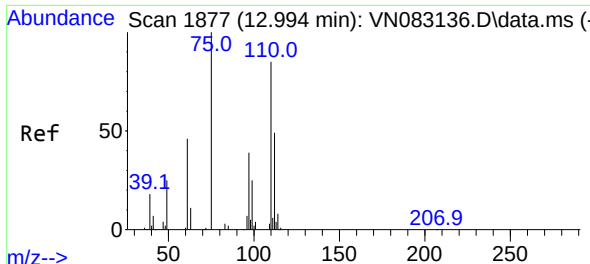
Tgt Ion:152 Resp: 142863
Ion Ratio Lower Upper
152 100
115 64.6 30.6 91.6
150 156.2 0.0 348.6



#74
N-ethyl acetate
Concen: 2.193 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 43 Resp: 12820
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 7.7 18.7 28.1#
61 0.0 17.4 26.0#

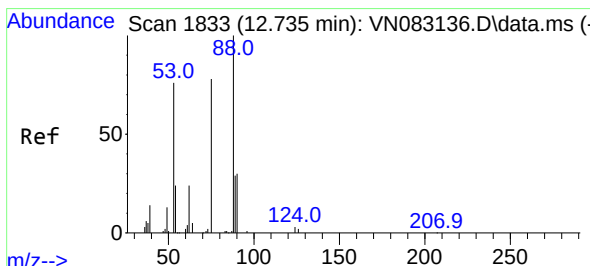
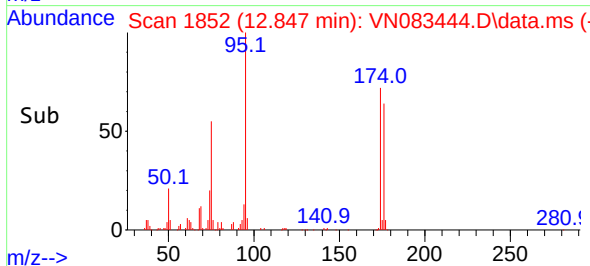
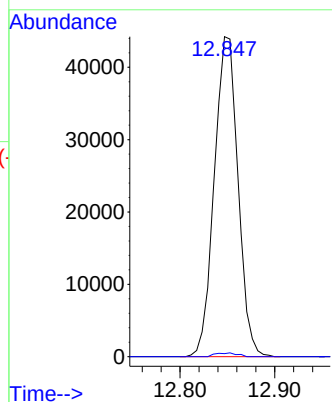
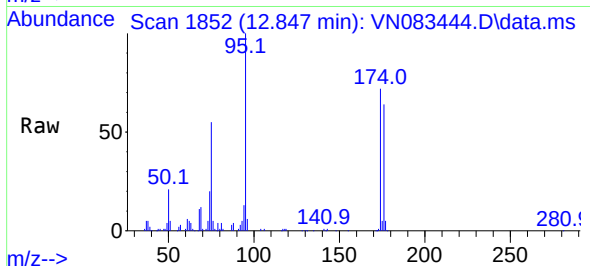




#76
1,2,3-Trichloropropane
Concen: 24.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

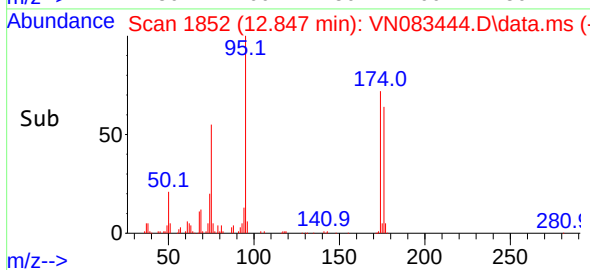
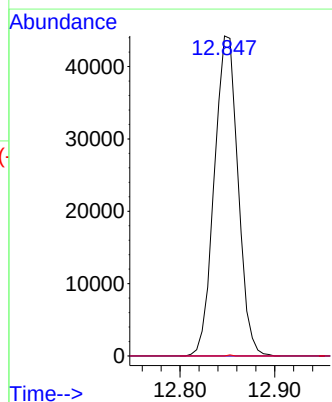
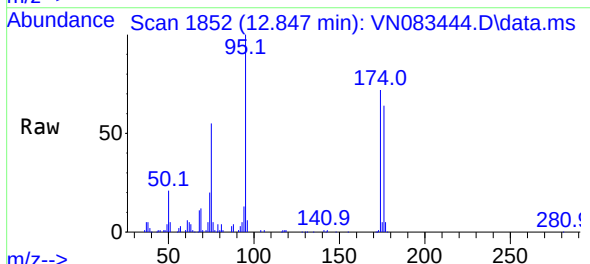
Instrument :
MSVOA_N
ClientSampleId :

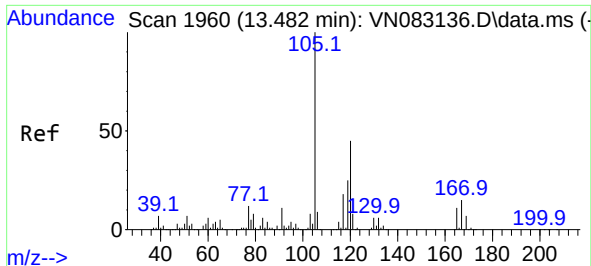
Tgt Ion: 75 Resp: 76998
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

Tgt Ion: 75 Resp: 76998
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.1 36.3 54.5#

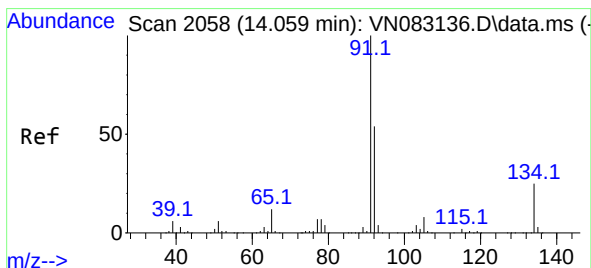
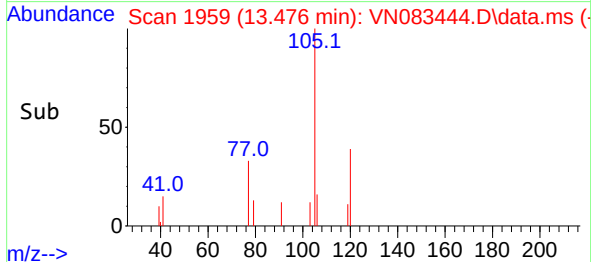
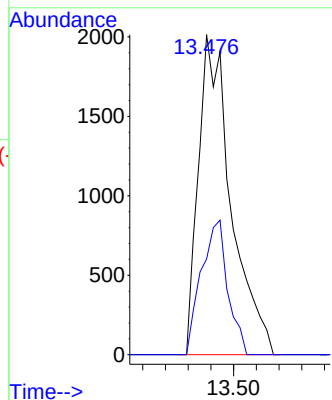
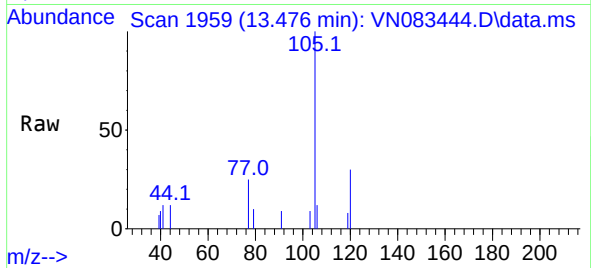




#84
1,2,4-Trimethylbenzene
Concen: 0.398 ug/l
RT: 13.476 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

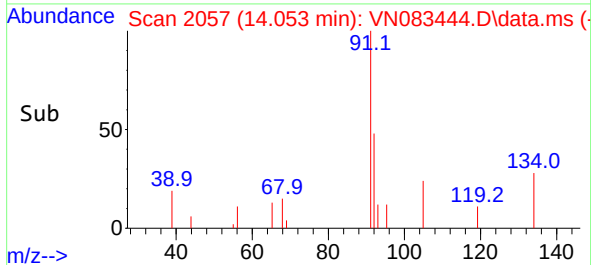
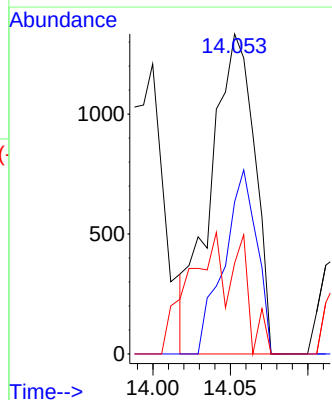
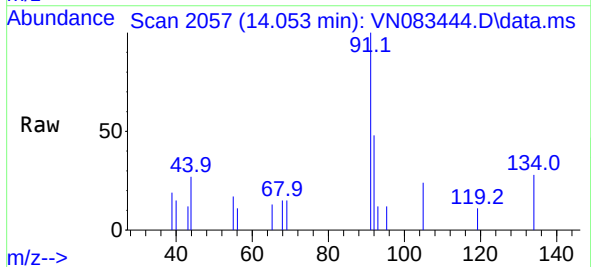
Instrument :
MSVOA_N
ClientSampleId :

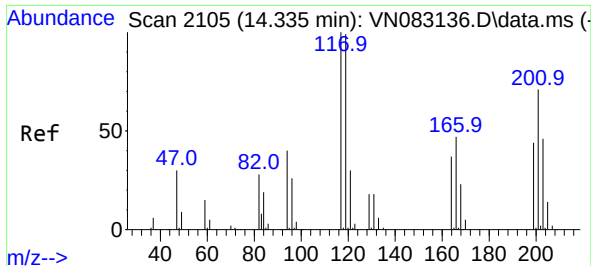
Tgt Ion:105 Resp: 4010
Ion Ratio Lower Upper
105 100
120 34.1 21.9 65.8



#89
n-Butylbenzene
Concen: 0.305 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN083444.D
Acq: 22 Aug 2024 18:33

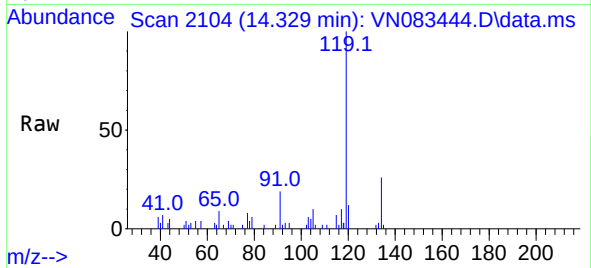
Tgt Ion: 91 Resp: 2635
Ion Ratio Lower Upper
91 100
92 42.9 26.1 78.3
134 29.3 12.1 36.3





#90
 Hexachloroethane
 Concen: 0.727 ug/l
 RT: 14.329 min Scan# 2104
 Delta R.T. -0.006 min
 Lab File: VN083444.D
 Acq: 22 Aug 2024 18:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:117 Resp: 1402
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.8 107.3#

