

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080749.D
 Acq On : 22 Jan 2024 20:32
 Operator : JC\MD
 Sample : P1179-09DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 04:00:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

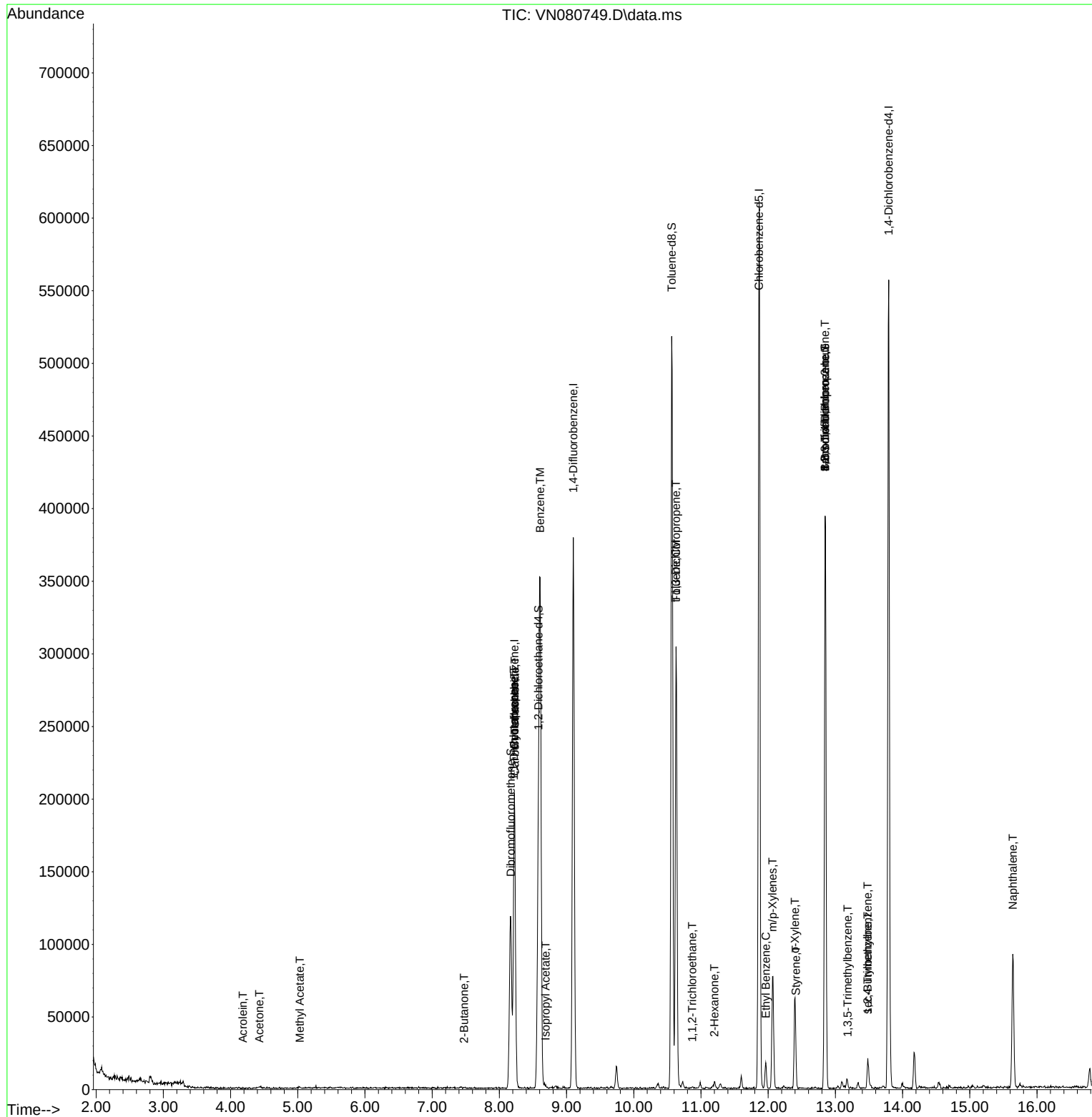
Internal Standards						
1) Pentafluorobenzene	8.224	168	128791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	101146	44.721	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.440%		
35) Dibromofluoromethane	8.171	113	84417	50.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.400%		
50) Toluene-d8	10.565	98	339518	52.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.900%		
62) 4-Bromofluorobenzene	12.847	95	137319	55.842	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.680%		
Target Compounds					Qvalue	
6) Chloroethane	3.136	64	67	Below Cal	#	43
13) Acrolein	4.183	56	147	0.460	ug/l #	73
16) Acetone	4.430	43	1320	1.778	ug/l	93
18) Methyl Acetate	5.030	43	631	0.285	ug/l #	42
25) 2-Butanone	7.477	43	560	0.417	ug/l #	37
31) Cyclohexane	8.224	56	5301	1.517	ug/l #	64
36) 1,1-Dichloropropene	8.218	75	12718	3.692	ug/l #	44
38) Carbon Tetrachloride	8.229	117	15290	4.943	ug/l #	12
40) Benzene	8.606	78	324858	33.545	ug/l	97
43) Isopropyl Acetate	8.688	43	2149	0.350	ug/l #	63
52) Toluene	10.629	92	123958	22.340	ug/l	98
53) t-1,3-Dichloropropene	10.629	75	1679	0.420	ug/l #	1
55) 1,1,2-Trichloroethane	10.870	97	810	0.379	ug/l #	16
59) 2-Hexanone	11.200	43	983	0.402	ug/l #	38
67) Ethyl Benzene	11.965	91	12628	0.967	ug/l #	80
68) m/p-Xylenes	12.065	106	24315	5.298	ug/l	93
69) o-Xylene	12.400	106	16316	3.636	ug/l	95
70) Styrene	12.412	104	2573	0.338	ug/l #	1
71) Bromoform	12.847	173	627	0.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80056	20.661	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	3442	0.346	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	80056	48.706	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	10990	1.122	ug/l	97
85) sec-Butylbenzene	13.482	105	10990	0.972	ug/l #	57
95) Naphthalene	15.641	128	77382	8.838	ug/l	98

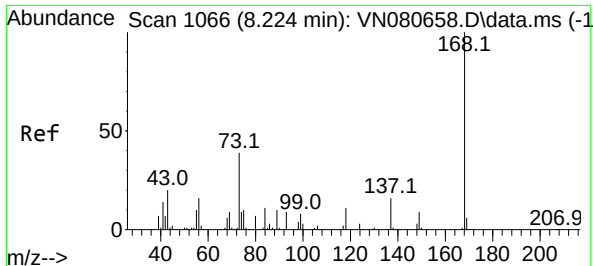
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration

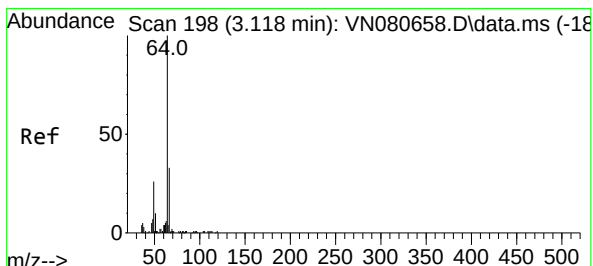
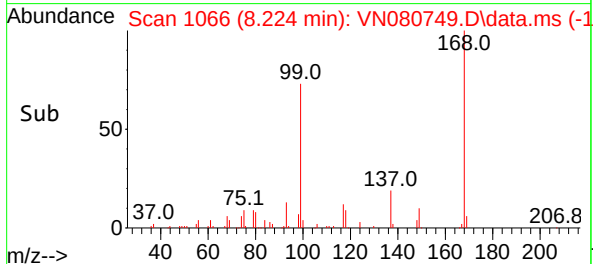
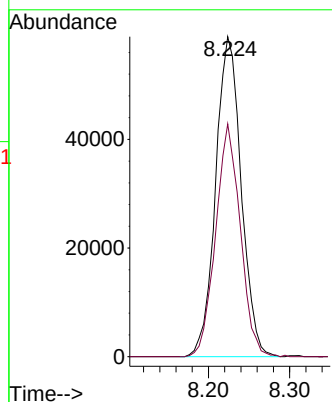
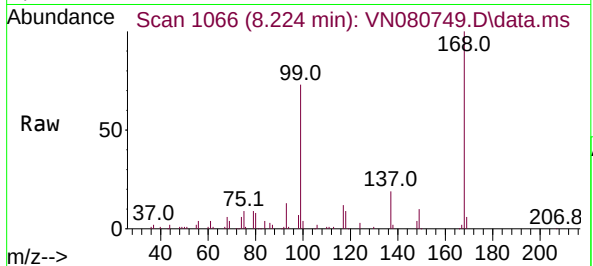




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

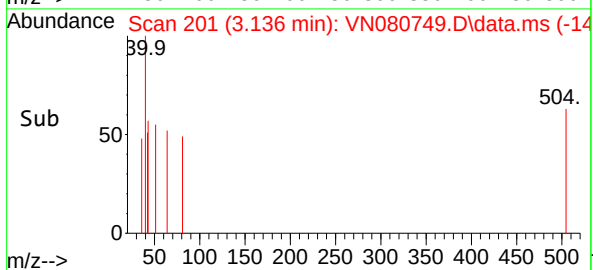
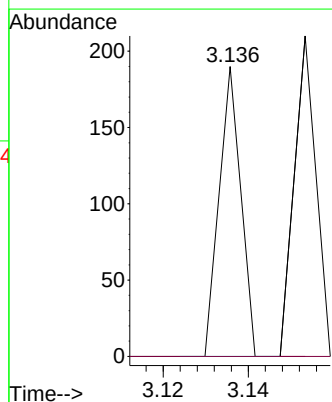
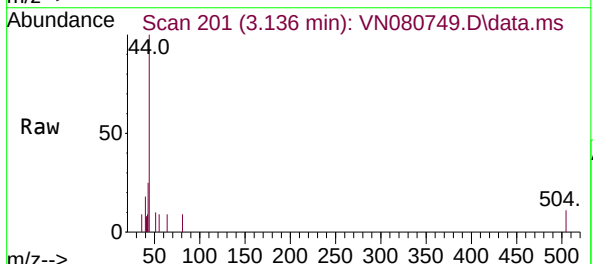
Instrument :
MSVOA_N
ClientSampleId :

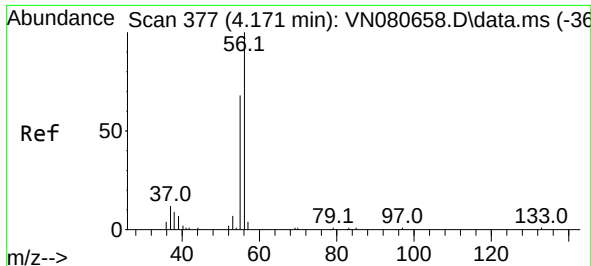
Tgt Ion:168 Resp: 128791
Ion Ratio Lower Upper
168 100
99 72.7 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

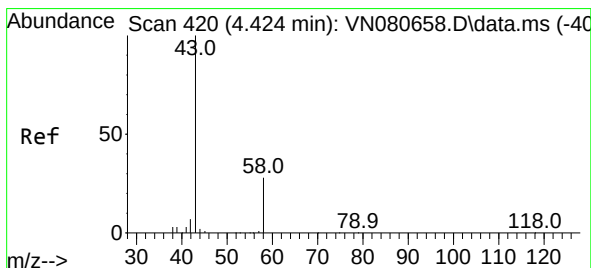
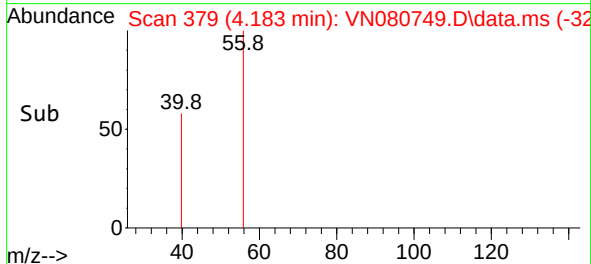
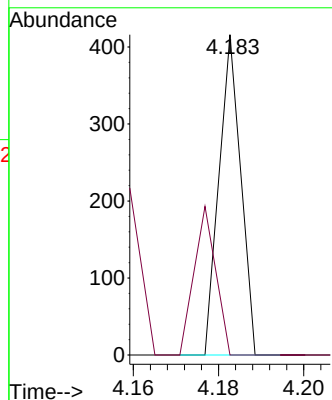
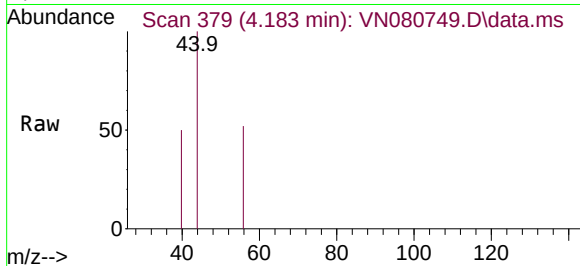




#13
Acrolein
Concen: 0.460 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

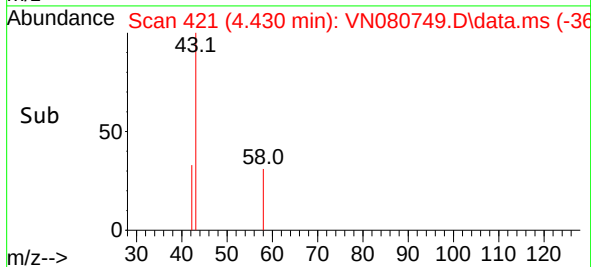
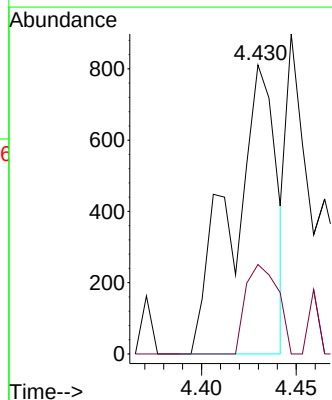
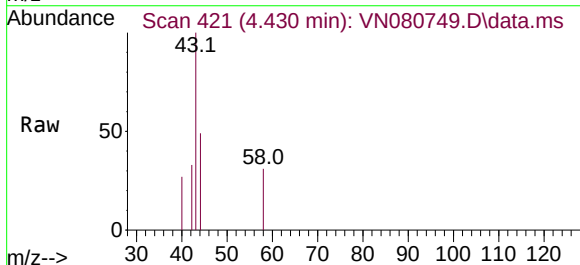
Instrument :
MSVOA_N
ClientSampleId :

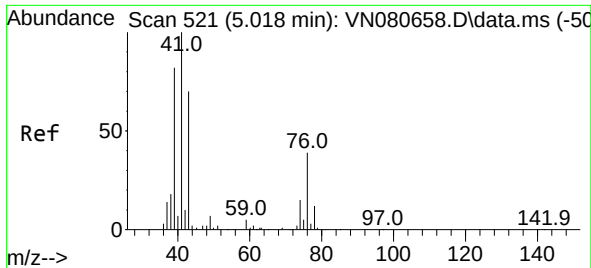
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 46.3 54.5 81.7#



#16
Acetone
Concen: 1.778 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

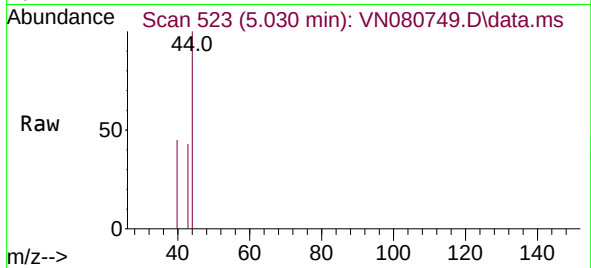
Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0



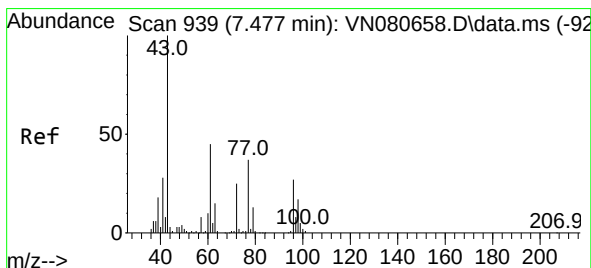
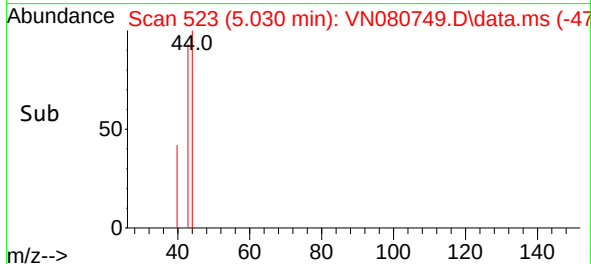
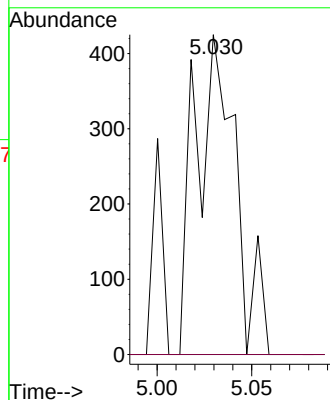


#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Instrument :
MSVOA_N
ClientSampleId :

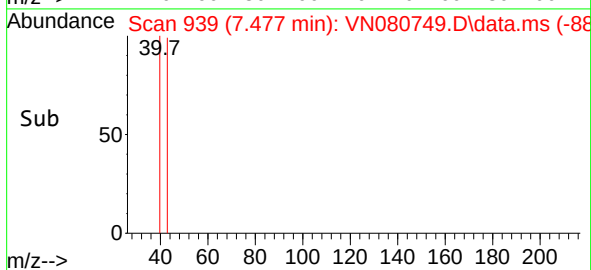
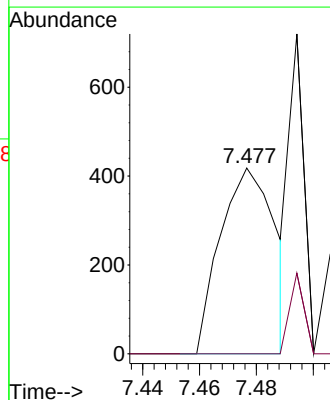
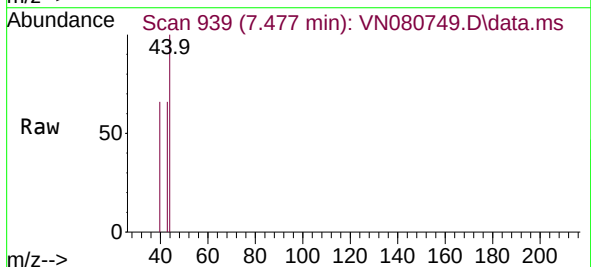


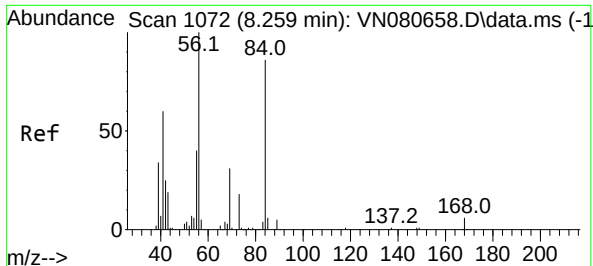
Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#25
2-Butanone
Concen: 0.417 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

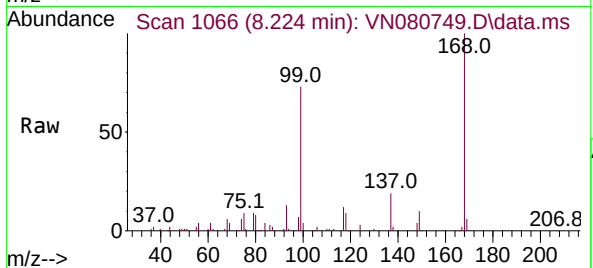
Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



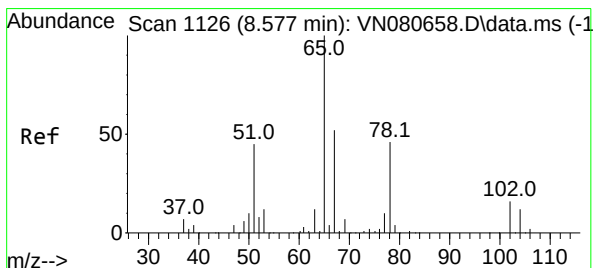
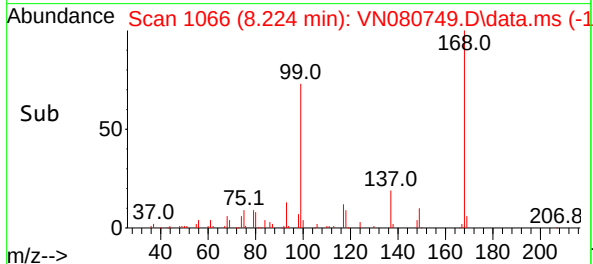
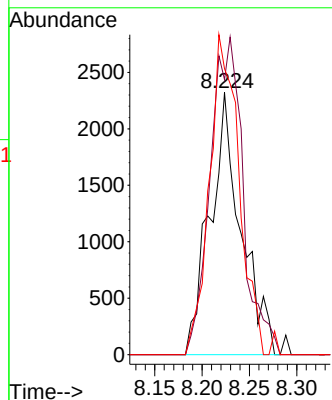


#31
Cyclohexane
Concen: 1.517 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Instrument :
MSVOA_N
ClientSampleId :

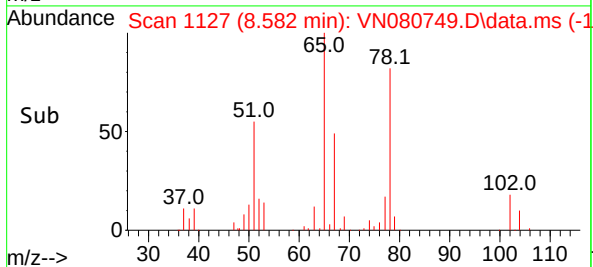
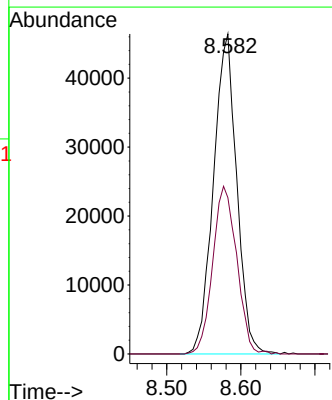
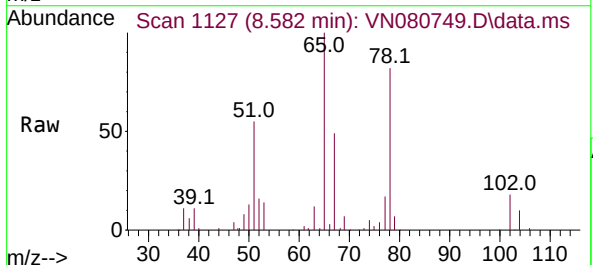


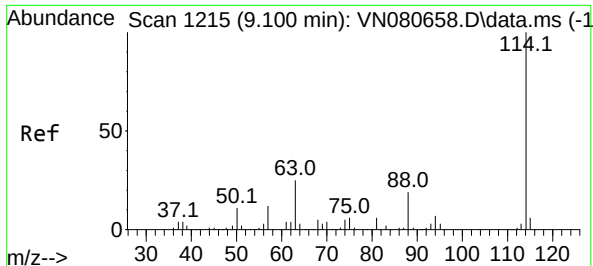
Tgt Ion: 56 Resp: 5301
Ion Ratio Lower Upper
56 100
69 104.9 26.8 40.2#
84 109.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 44.721 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 65 Resp: 101146
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

Instrument :

MSVOA_N

ClientSampleId :

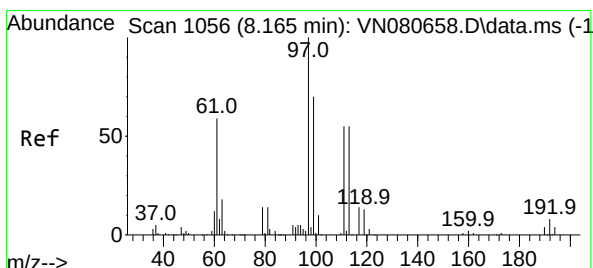
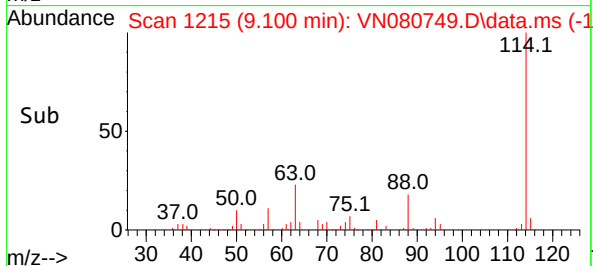
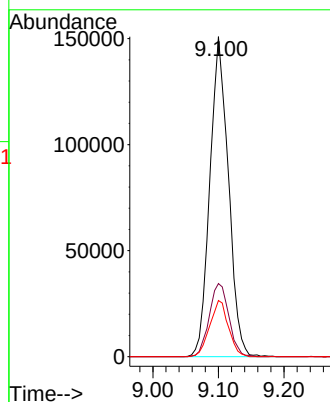
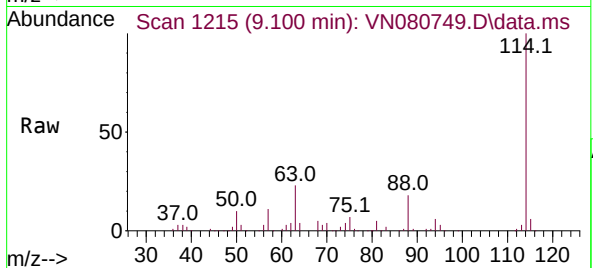
Tgt Ion:114 Resp: 295987

Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.197 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

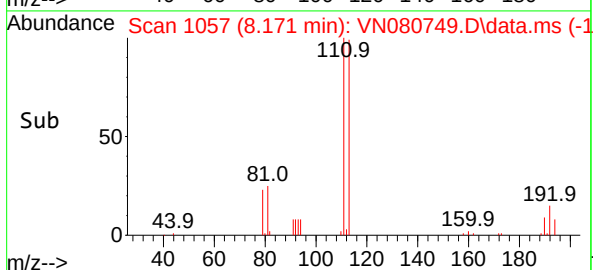
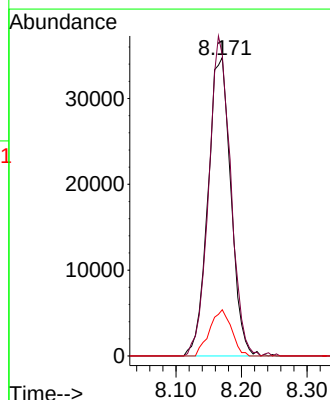
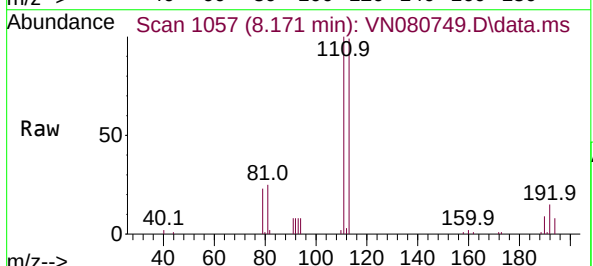
Tgt Ion:113 Resp: 84417

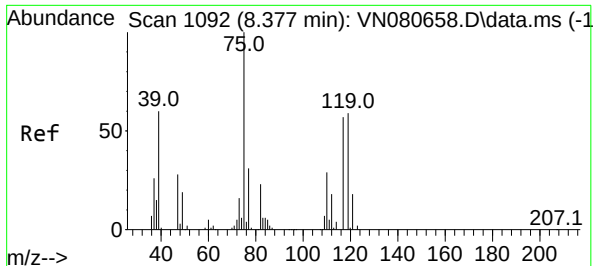
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 14.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.692 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

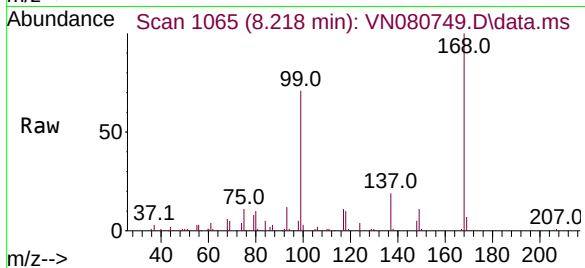
Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

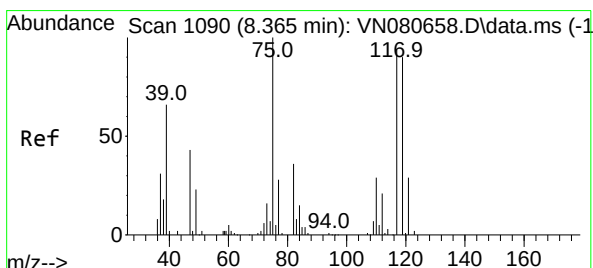
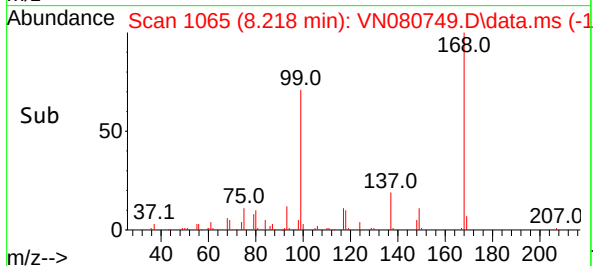
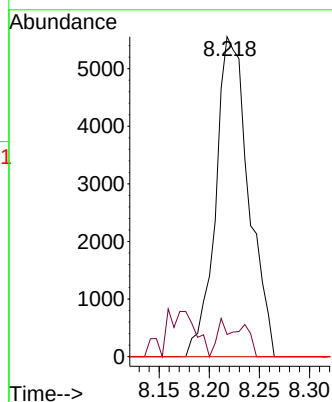
Instrument :

MSVOA_N

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Tgt Ion:	75	Resp:	12718
Ion	Ratio	Lower	Upper
75	100		
110	4.8	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.943 ug/l

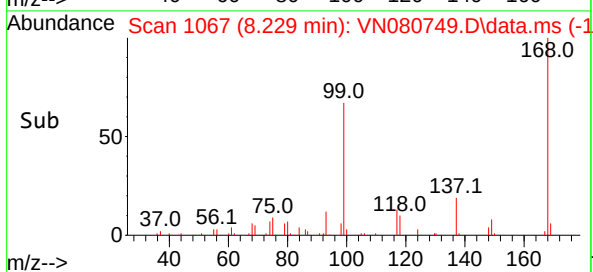
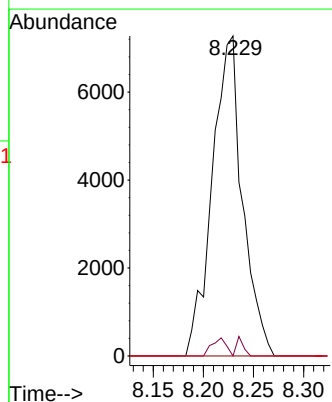
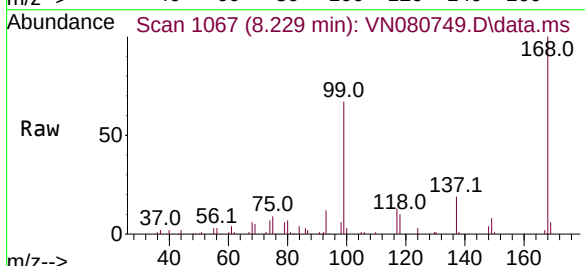
RT: 8.229 min Scan# 1067

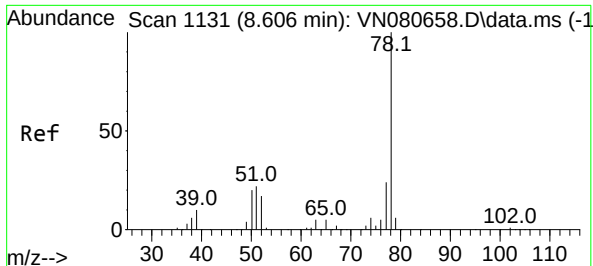
Delta R.T. -0.135 min

Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

Tgt Ion:	117	Resp:	15290
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.3	115.9#
121	0.0	23.3	34.9#

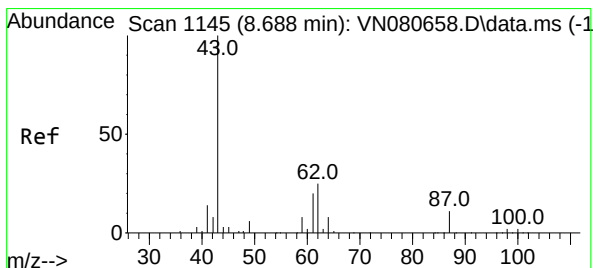
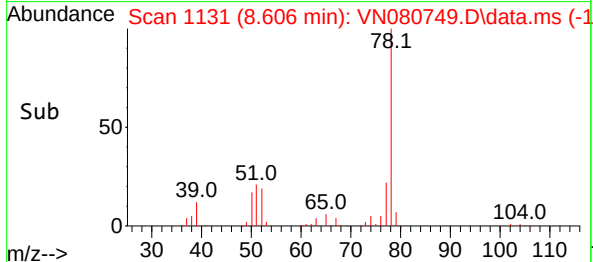
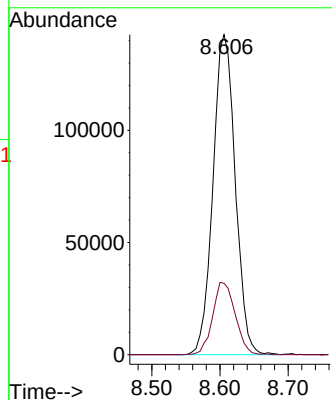
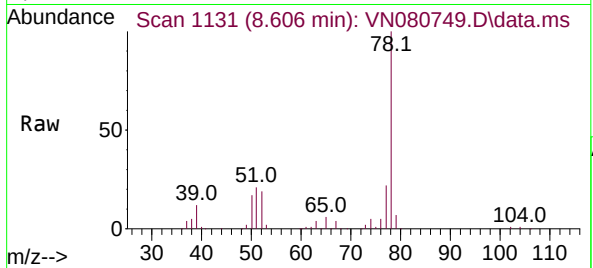




#40
Benzene
Concen: 33.545 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

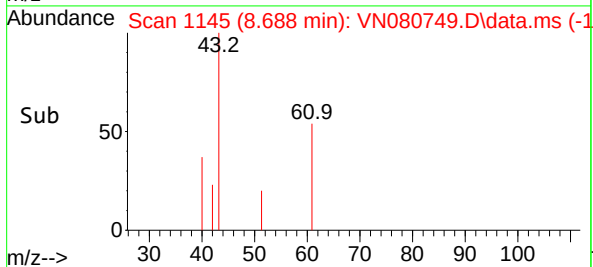
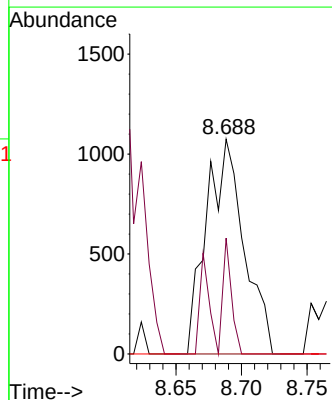
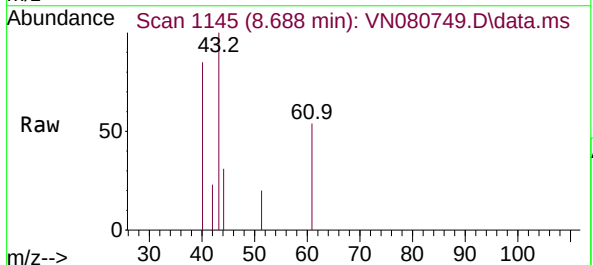
Instrument :
MSVOA_N
ClientSampleId :

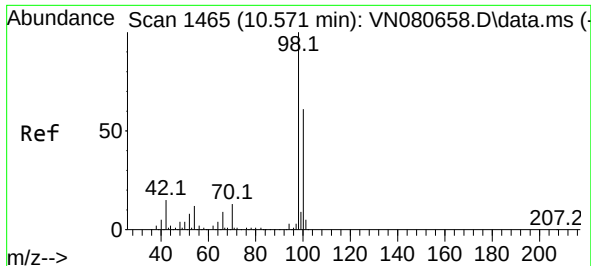
Tgt Ion: 78 Resp: 324858
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.6



#43
Isopropyl Acetate
Concen: 0.350 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
61 12.3 24.7 37.1#
87 0.0 14.6 21.8#

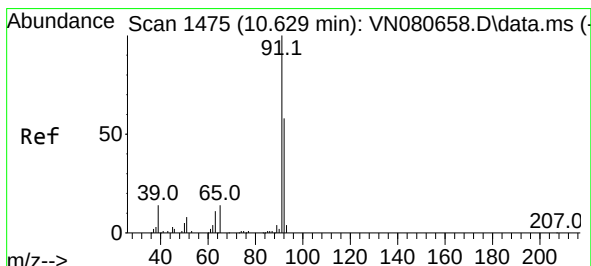
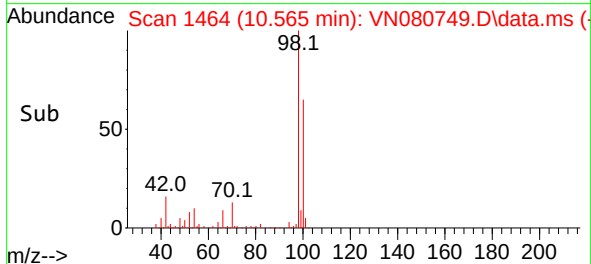
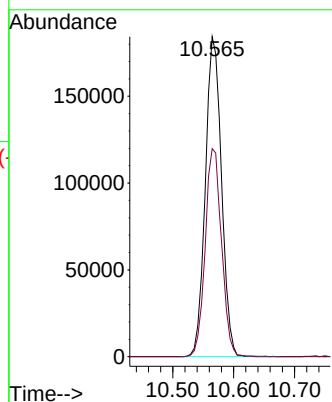
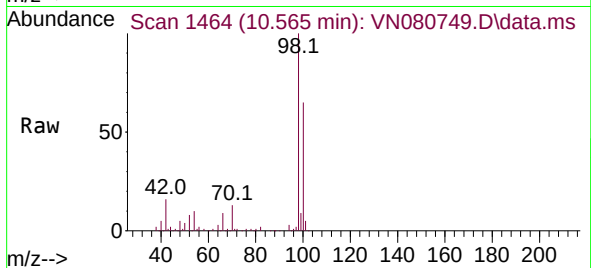




#50
Toluene-d8
Concen: 52.946 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

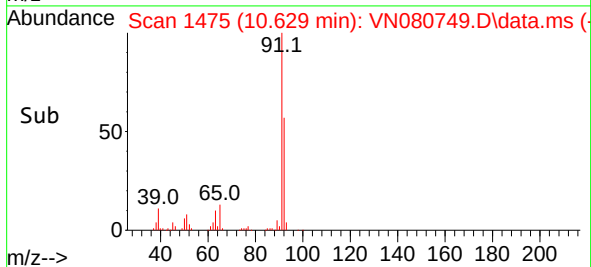
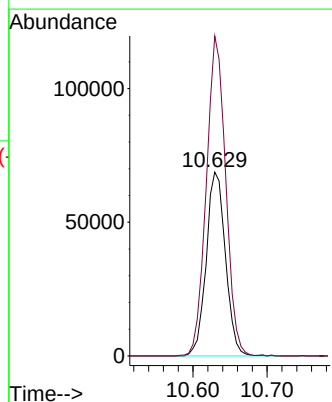
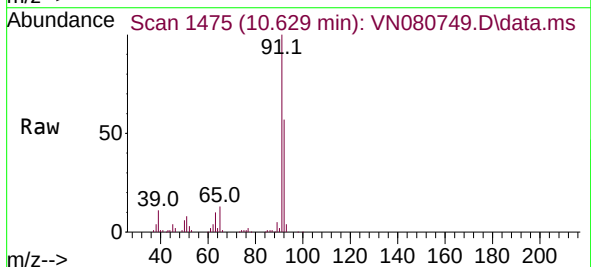
Instrument :
MSVOA_N
ClientSampleId :

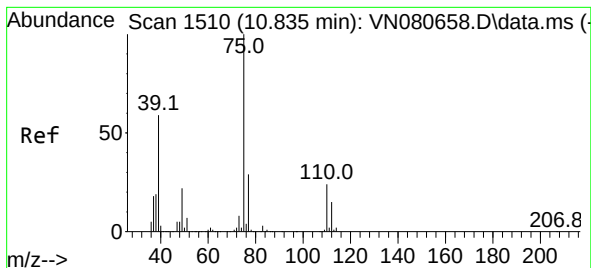
Tgt Ion: 98 Resp: 339518
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#52
Toluene
Concen: 22.340 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 92 Resp: 123958
Ion Ratio Lower Upper
92 100
91 175.1 137.4 206.0

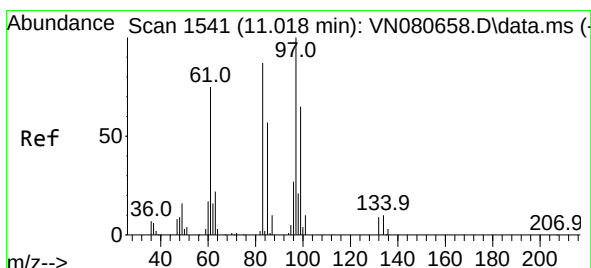
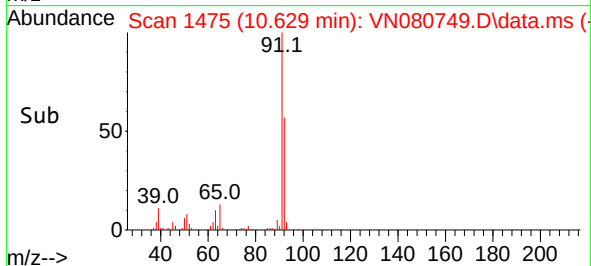
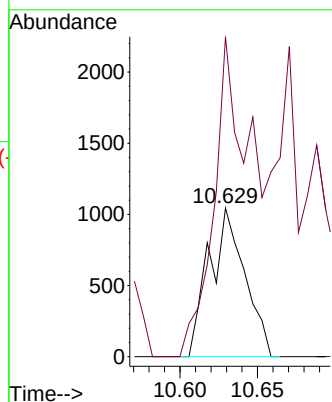
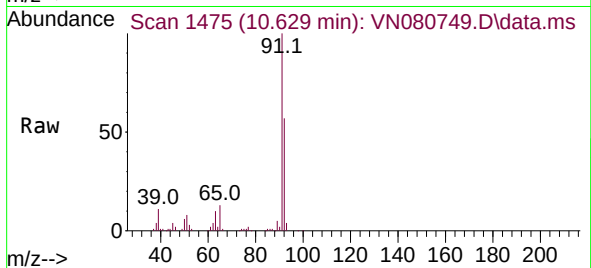




#53
t-1,3-Dichloropropene
Concen: 0.420 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.206 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

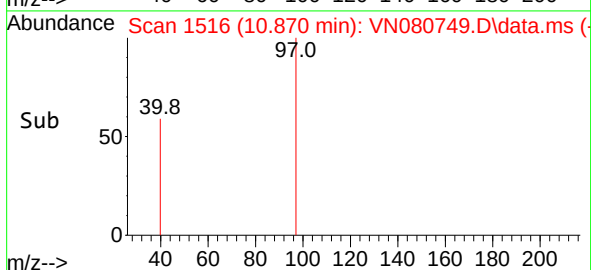
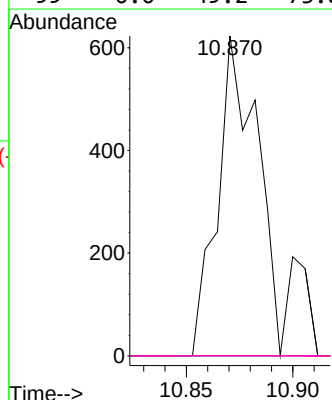
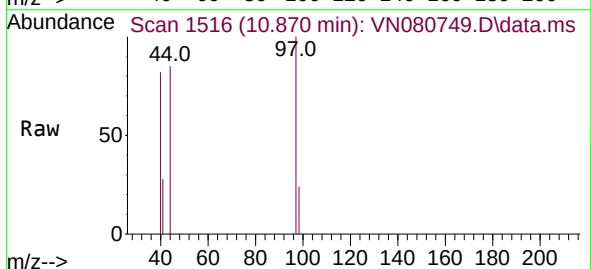
Instrument :
MSVOA_N
ClientSampleId :

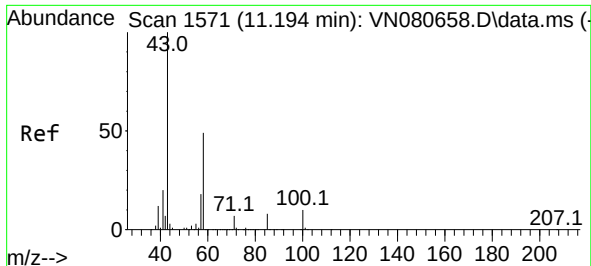
Tgt Ion: 75 Resp: 1679
Ion Ratio Lower Upper
75 100
77 215.3 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.379 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.147 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 97 Resp: 810
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#

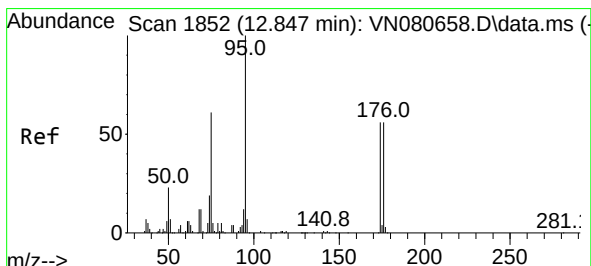
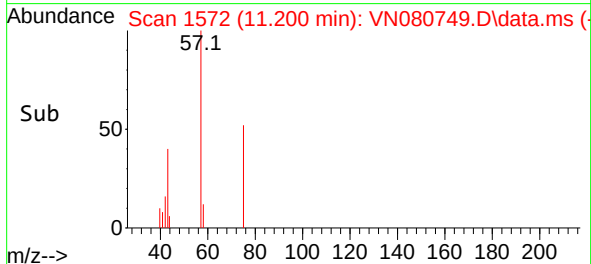
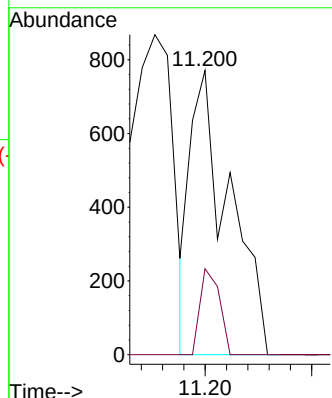
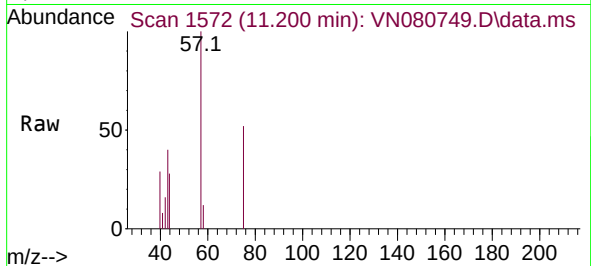




#59
2-Hexanone
Concen: 0.402 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

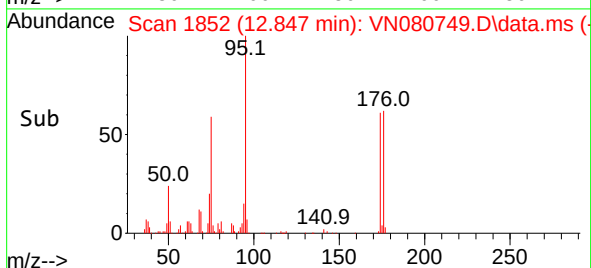
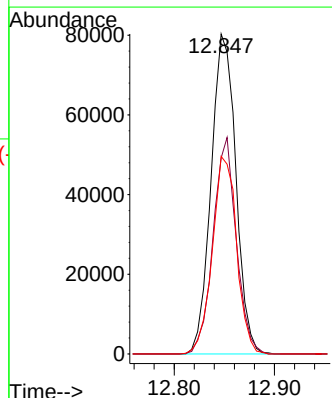
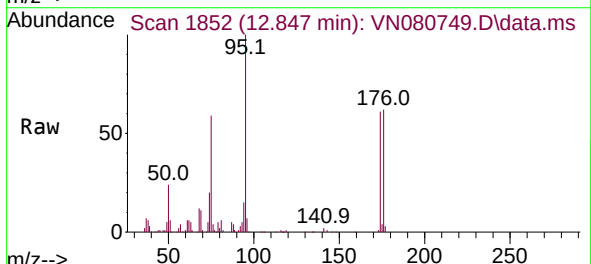
Instrument :
MSVOA_N
ClientSampleId :

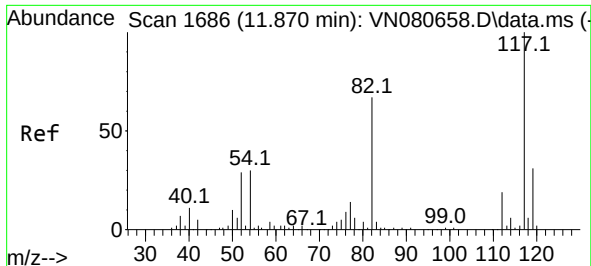
Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 15.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 55.842 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

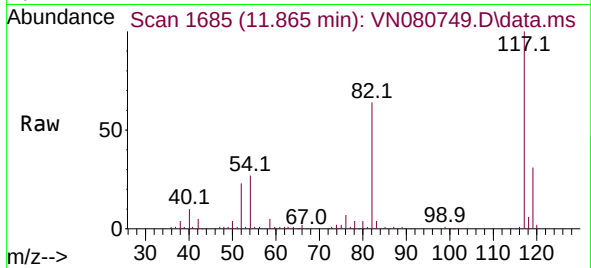
Tgt Ion: 95 Resp: 137319
Ion Ratio Lower Upper
95 100
174 63.4 0.0 143.8
176 60.7 0.0 135.8



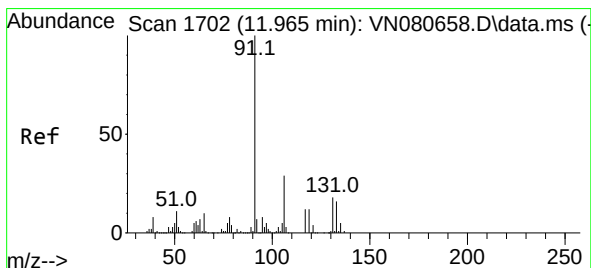
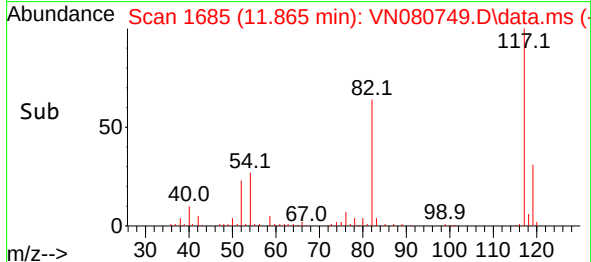
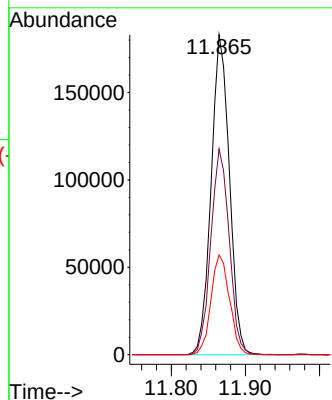


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Instrument :
MSVOA_N
ClientSampleId :

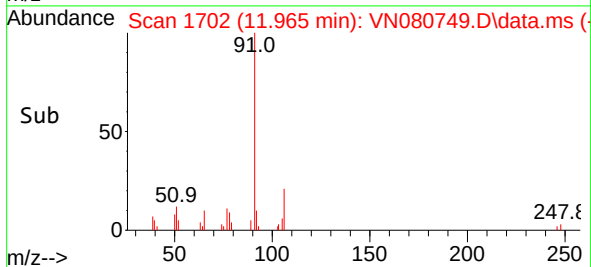
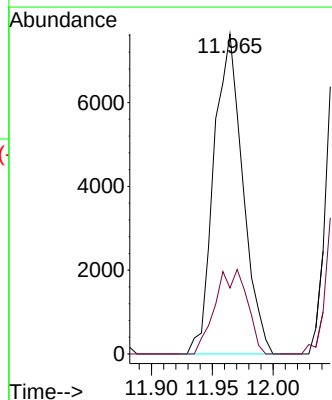
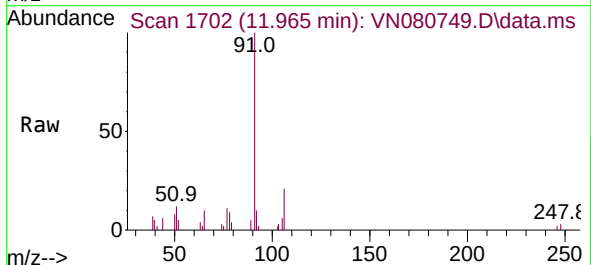


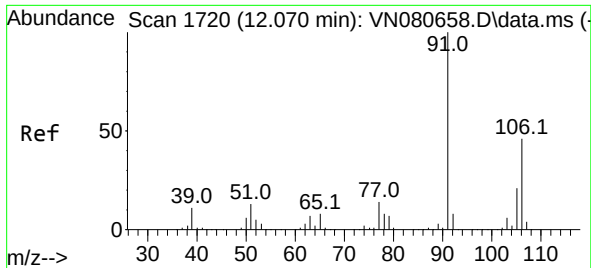
Tgt Ion:117 Resp: 312936
Ion Ratio Lower Upper
117 100
82 64.3 44.0 66.0
119 31.2 25.6 38.4



#67
Ethyl Benzene
Concen: 0.967 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 91 Resp: 12628
Ion Ratio Lower Upper
91 100
106 20.6 25.6 38.4#

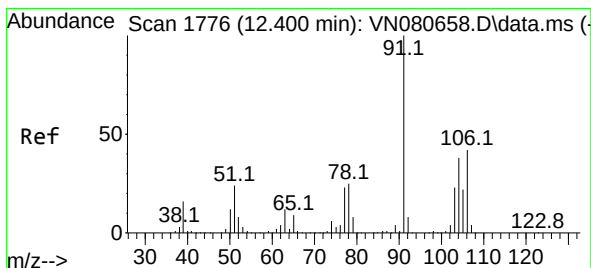
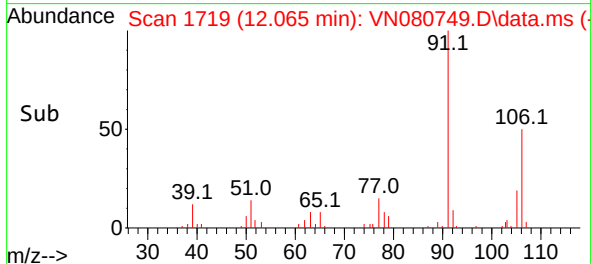
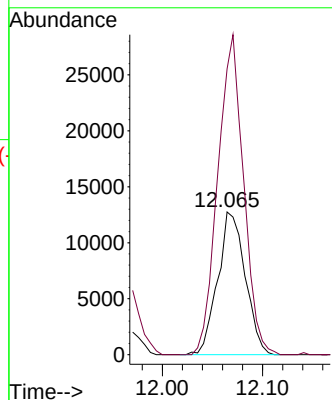
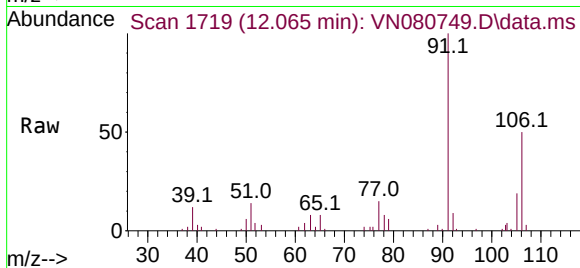




#68
m/p-Xylenes
Concen: 5.298 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

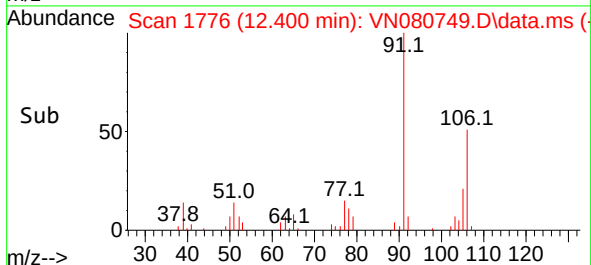
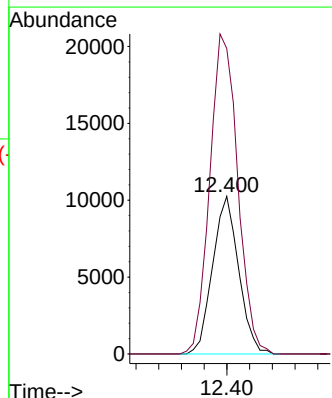
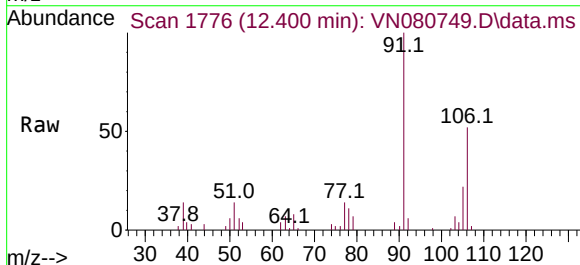
Instrument :
MSVOA_N
ClientSampleId :

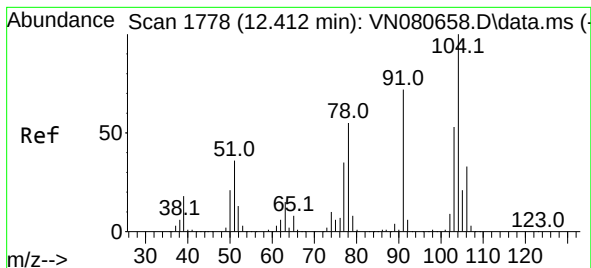
Tgt Ion:106 Resp: 24315
Ion Ratio Lower Upper
106 100
91 209.9 159.6 239.4



#69
o-Xylene
Concen: 3.636 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion:106 Resp: 16316
Ion Ratio Lower Upper
106 100
91 217.6 105.2 315.5





#70

Styrene

Concen: 0.338 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

Instrument :

MSVOA_N

ClientSampleId :

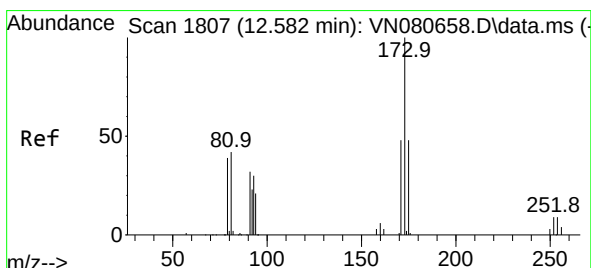
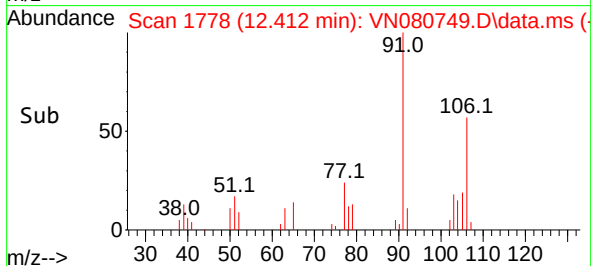
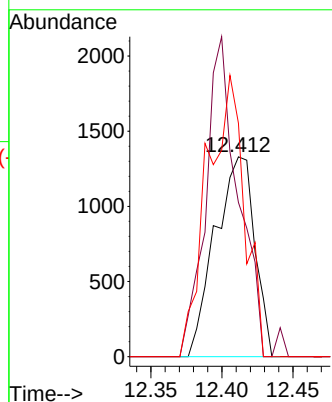
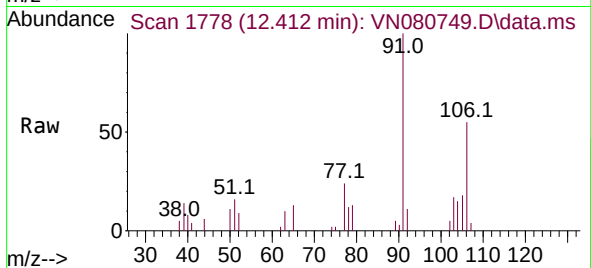
Tgt Ion:104 Resp: 2573

Ion Ratio Lower Upper

104 100

78 131.2 39.5 59.3#

103 131.7 43.2 64.8#



#71

Bromoform

Concen: 0.375 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN080749.D

Acq: 22 Jan 2024 20:32

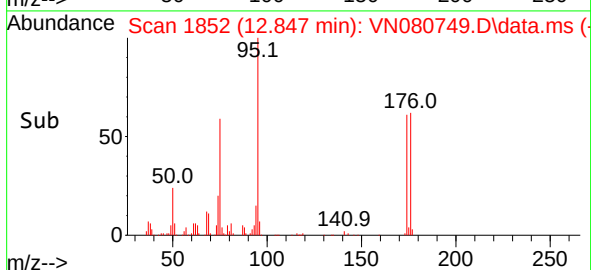
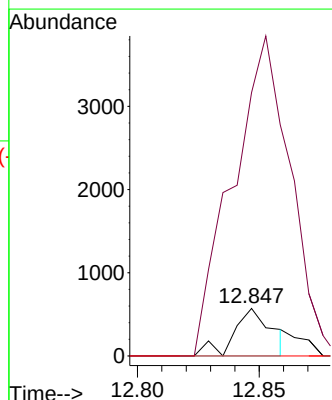
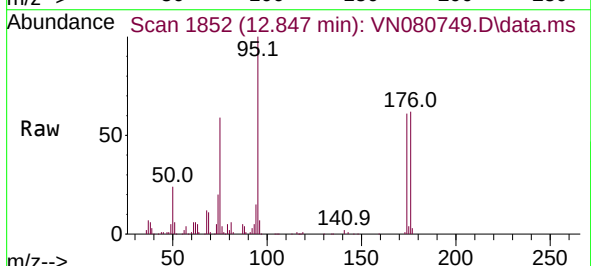
Tgt Ion:173 Resp: 627

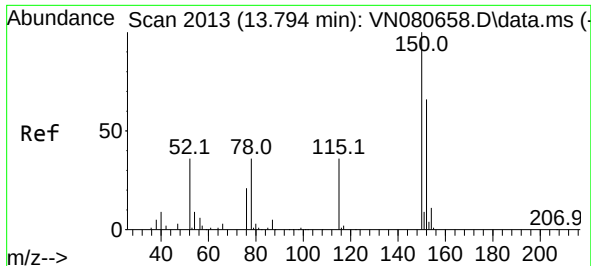
Ion Ratio Lower Upper

173 100

175 836.2 24.3 73.0#

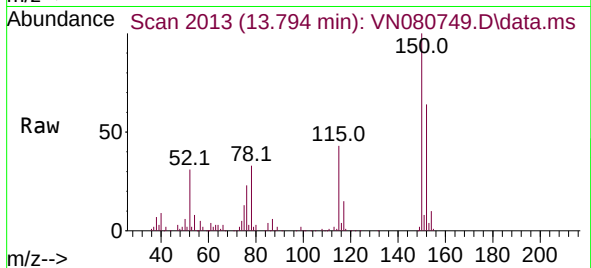
254 0.0 0.0 0.0



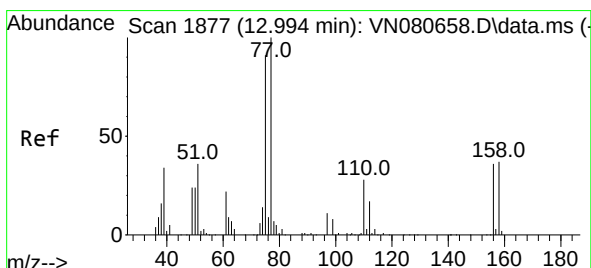
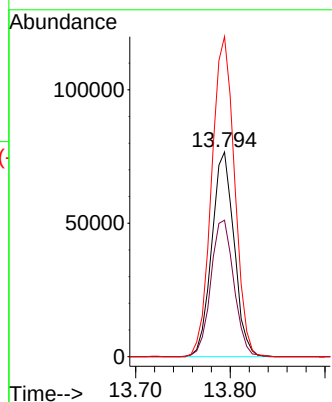
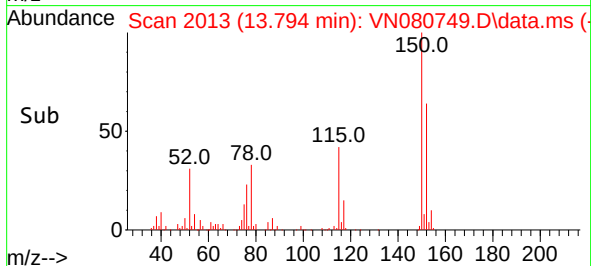


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080749.D
 Acq: 22 Jan 2024 20:32

Instrument :
 MSVOA_N
 ClientSampleId :

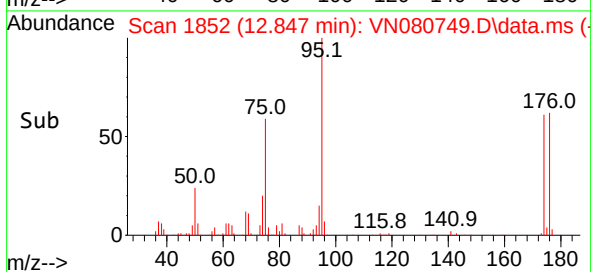
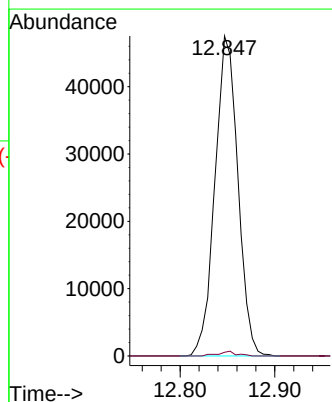
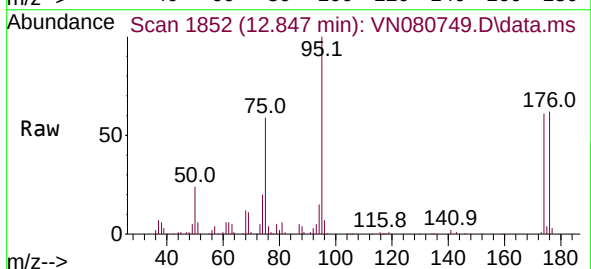


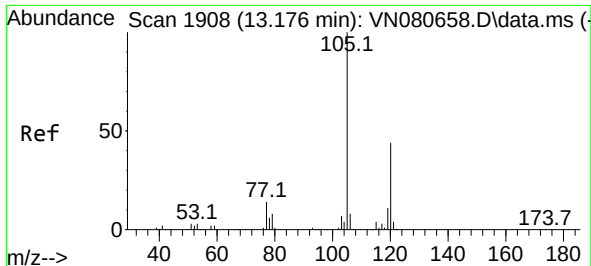
Tgt Ion:152 Resp: 125657
 Ion Ratio Lower Upper
 152 100
 115 68.9 32.3 96.8
 150 160.3 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 20.661 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080749.D
 Acq: 22 Jan 2024 20:32

Tgt Ion: 75 Resp: 80056
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#

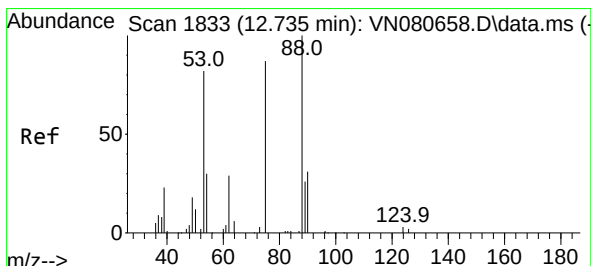
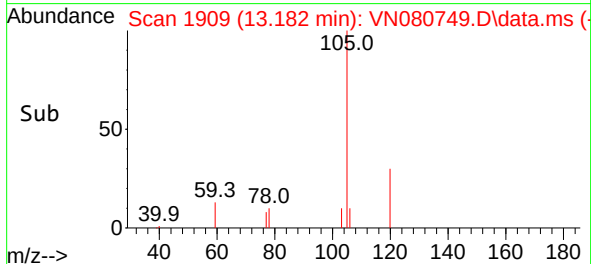
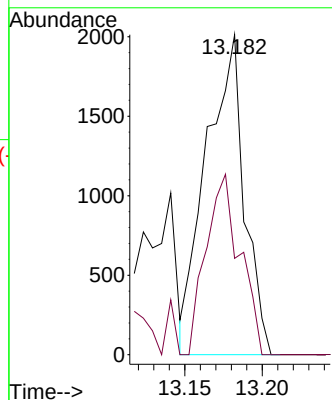
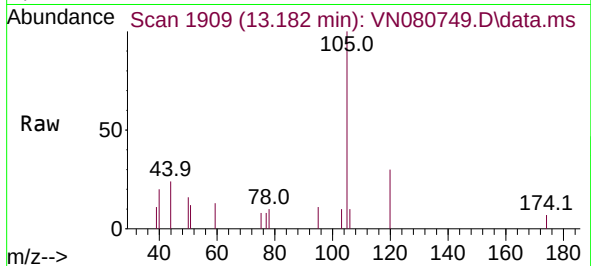




#80
1,3,5-Trimethylbenzene
Concen: 0.346 ug/l
RT: 13.182 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

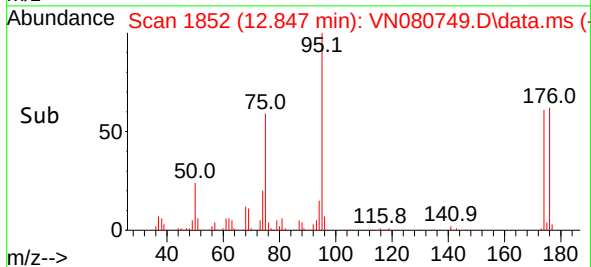
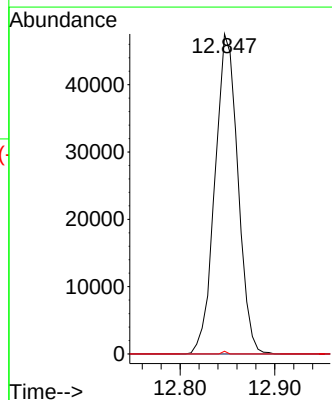
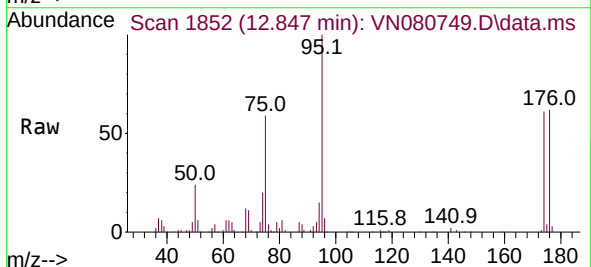
Instrument :
MSVOA_N
ClientSampleId :

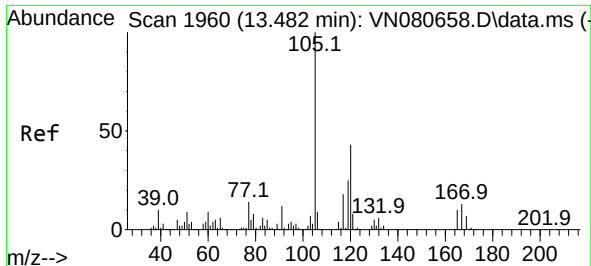
Tgt Ion:105 Resp: 3442
Ion Ratio Lower Upper
105 100
120 50.2 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 48.706 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Tgt Ion: 75 Resp: 80056
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#

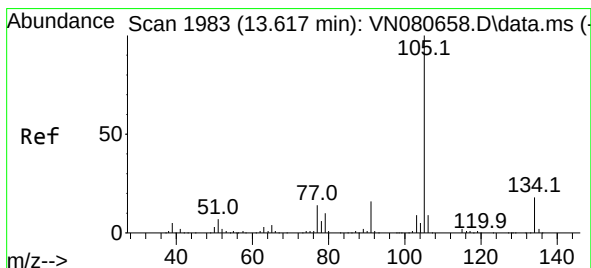
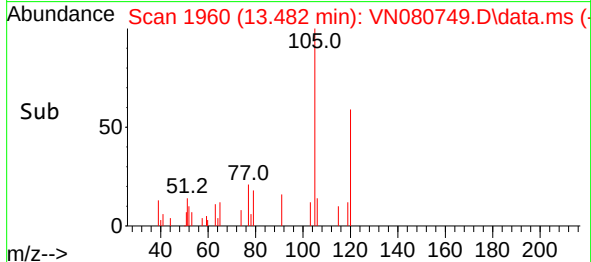
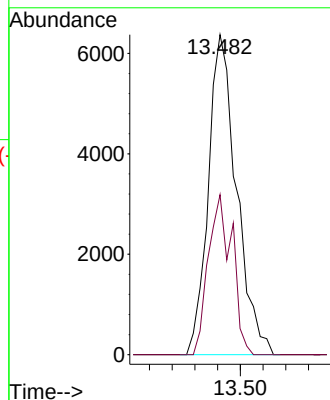
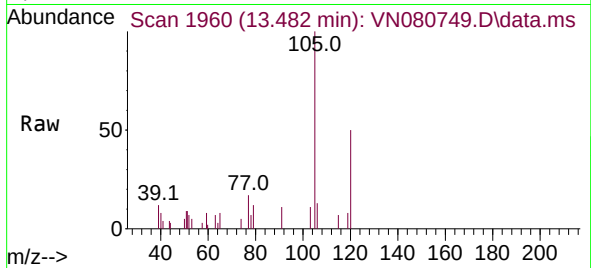




#84
1,2,4-Trimethylbenzene
Concen: 1.122 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

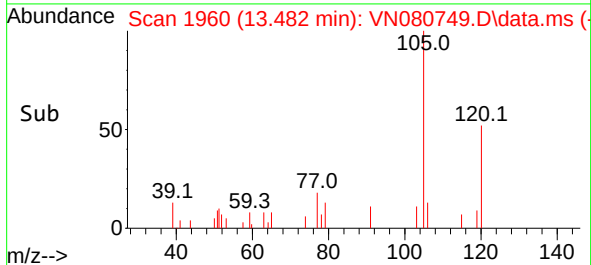
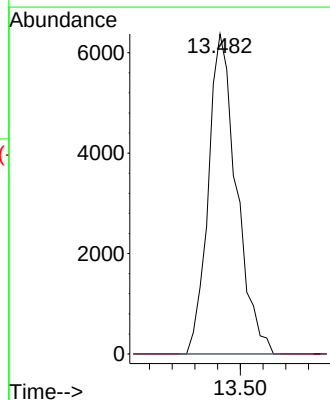
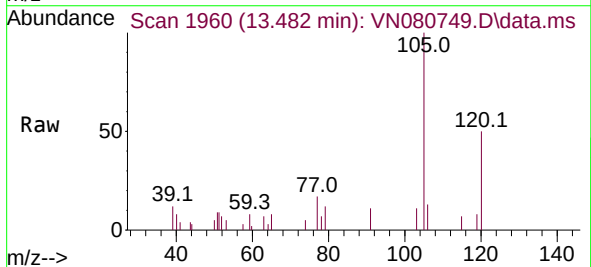
Instrument :
MSVOA_N
ClientSampleId :

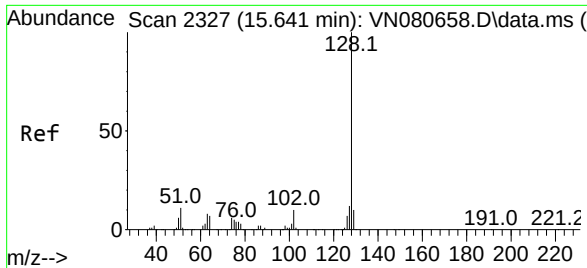
Tgt Ion:105 Resp: 10990
Ion Ratio Lower Upper
105 100
120 42.3 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.972 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

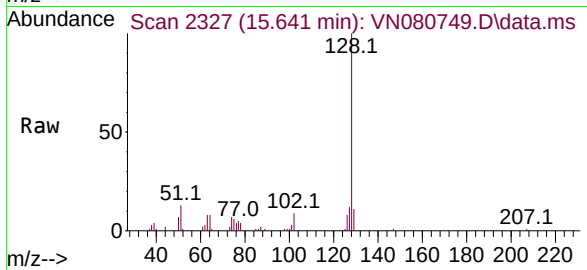
Tgt Ion:105 Resp: 10990
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#95
Naphthalene
Concen: 8.838 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080749.D
Acq: 22 Jan 2024 20:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 77382
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 11.9 8.7 13.1

