

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
 Data File : VN085357.D
 Acq On : 30 Dec 2024 20:03
 Operator : JC\MD
 Sample : P5386-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 02:20:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

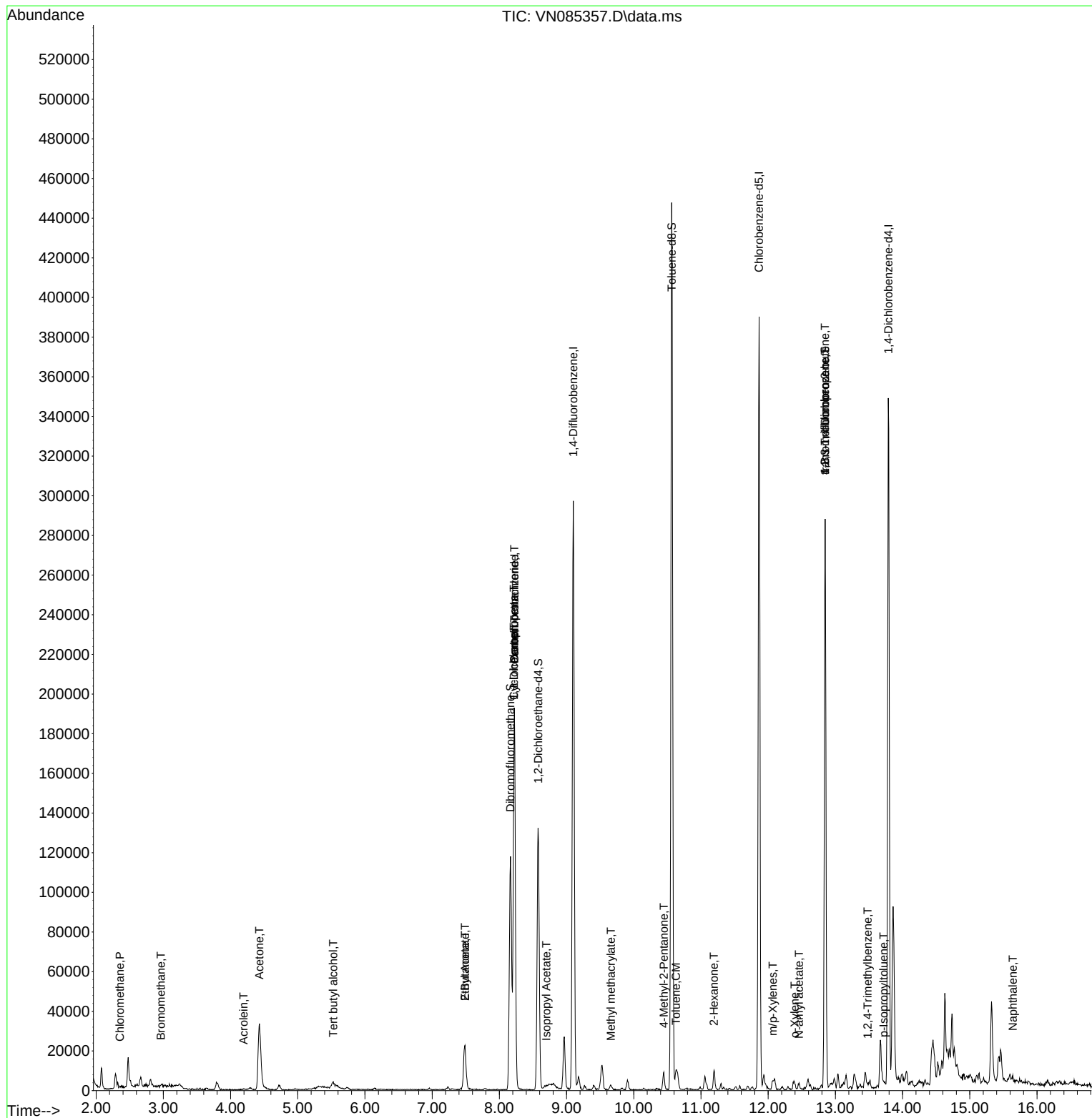
Internal Standards						
1) Pentafluorobenzene	8.224	168	129447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109683	59.407	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.820%			
35) Dibromofluoromethane	8.165	113	83190	54.933	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.860%			
50) Toluene-d8	10.565	98	297447	53.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.060%			
62) 4-Bromofluorobenzene	12.847	95	94101	50.988	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.980%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	616	0.313	ug/l #	43
5) Bromomethane	2.965	94	275	0.202	ug/l #	57
11) Tert butyl alcohol	5.530	59	3806	16.462	ug/l #	93
13) Acrolein	4.194	56	287	0.796	ug/l #	39
16) Acetone	4.430	43	62640	103.178	ug/l	97
25) 2-Butanone	7.488	43	37679	40.005	ug/l	98
31) Cyclohexane	8.218	56	3811	1.397	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	12204	5.504	ug/l #	48
37) Ethyl Acetate	7.488	43	37679	17.097	ug/l #	70
38) Carbon Tetrachloride	8.224	117	14546	6.019	ug/l #	16
43) Isopropyl Acetate	8.700	43	1875	0.517	ug/l #	55
48) Methyl methacrylate	9.659	41	765	0.486	ug/l #	22
51) 4-Methyl-2-Pentanone	10.447	43	6347	3.112	ug/l	95
52) Toluene	10.629	92	3355	0.840	ug/l	92
59) 2-Hexanone	11.194	43	6451	4.559	ug/l	87
68) m/p-Xylenes	12.070	106	1721	0.624	ug/l	94
69) o-Xylene	12.394	106	936	0.351	ug/l	83
74) N-amyl acetate	12.459	43	2971	1.090	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	52070	31.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52070	75.376	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	1520	0.296	ug/l	94
86) p-Isopropyltoluene	13.717	119	433	0.275	ug/l #	34
95) Naphthalene	15.641	128	1615	0.350	ug/l #	85

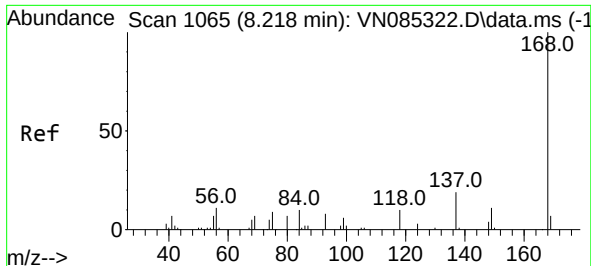
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085357.D
Acq On : 30 Dec 2024 20:03
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

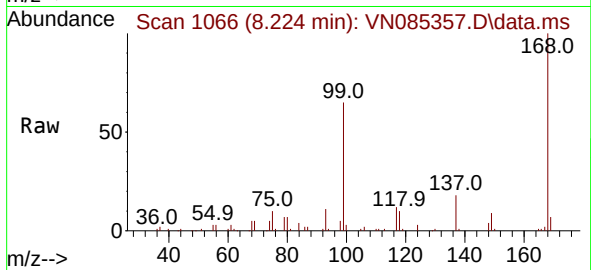
Quant Time: Dec 31 02:20:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



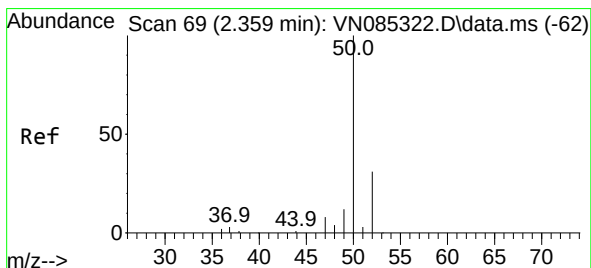
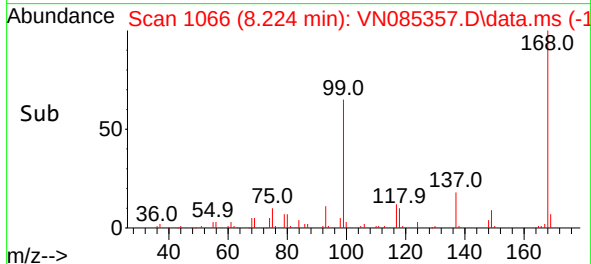
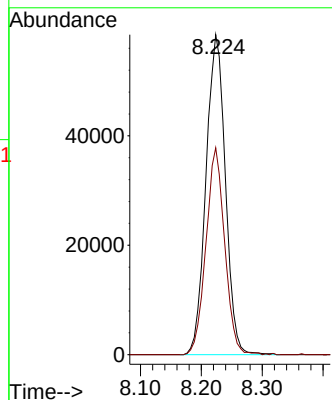


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Instrument :
MSVOA_N
ClientSampleId :

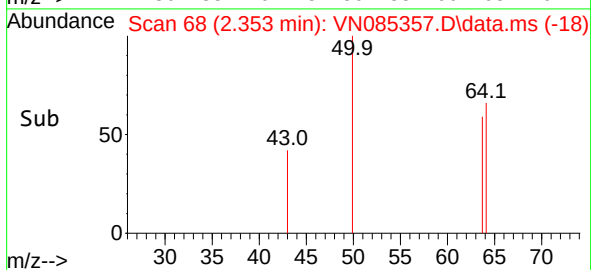
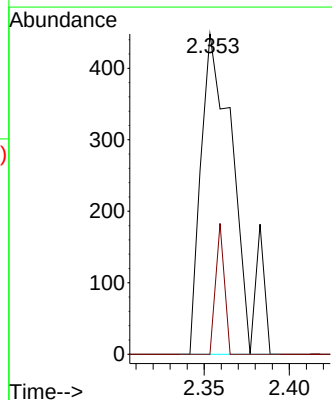
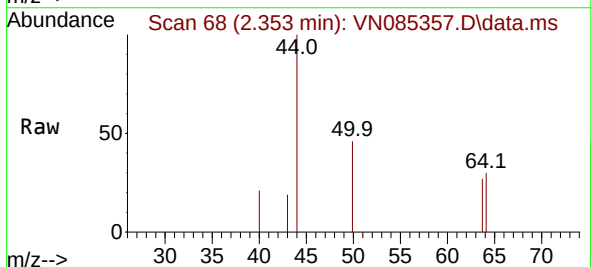


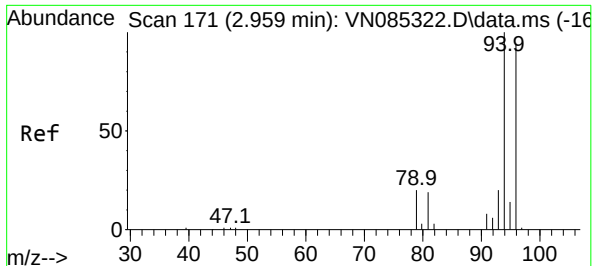
Tgt Ion:168 Resp: 129447
Ion Ratio Lower Upper
168 100
99 64.6 51.0 76.4



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

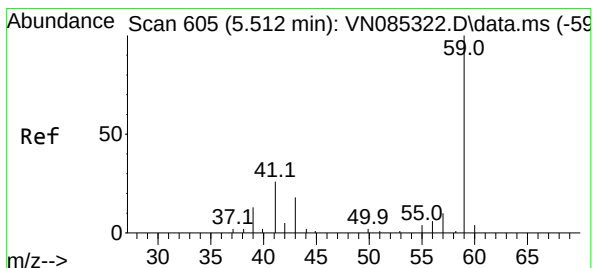
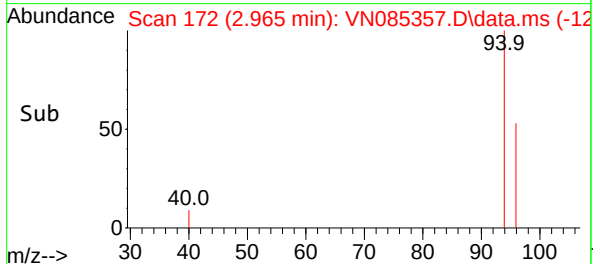
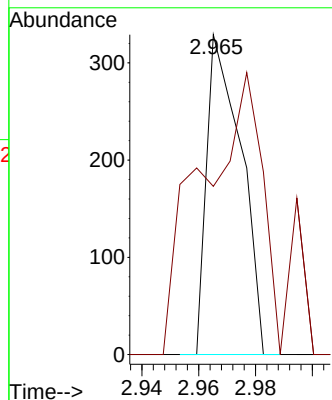
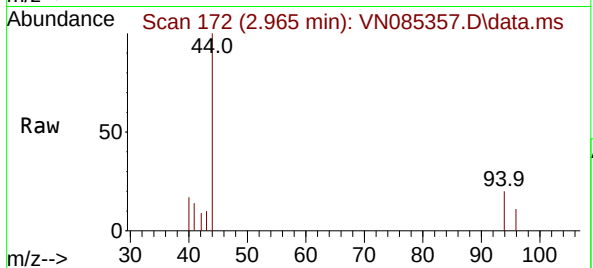




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

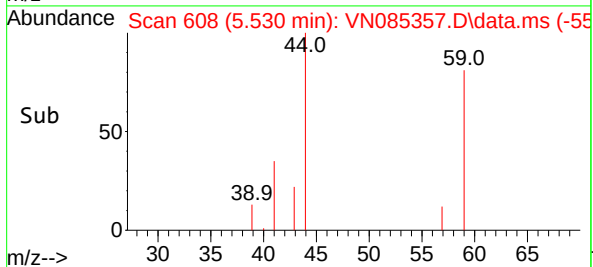
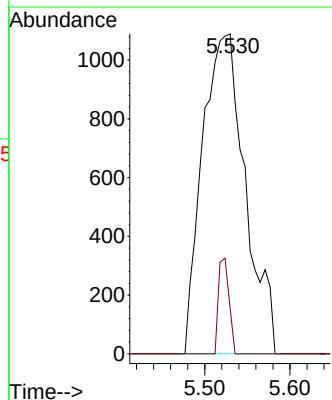
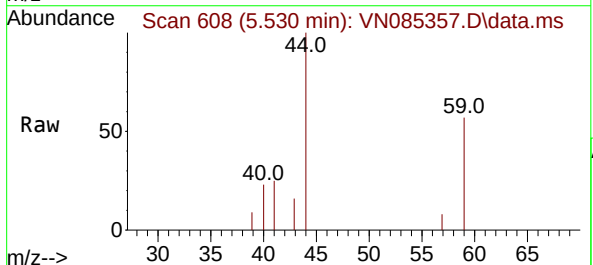
Instrument :
MSVOA_N
ClientSampleId :

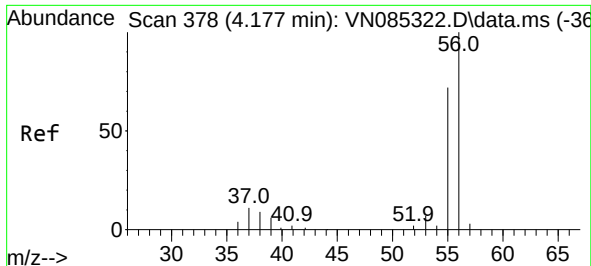
Tgt Ion: 94 Resp: 275
Ion Ratio Lower Upper
94 100
96 52.6 75.2 112.8#



#11
Tert butyl alcohol
Concen: 16.462 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

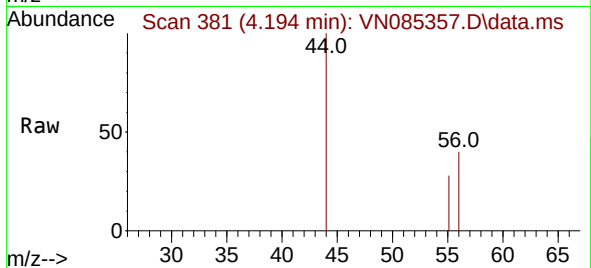
Tgt Ion: 59 Resp: 3806
Ion Ratio Lower Upper
59 100
57 7.4 8.1 12.1#



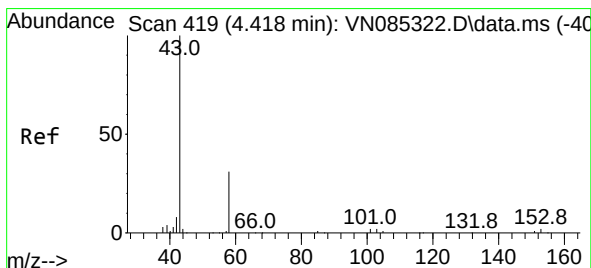
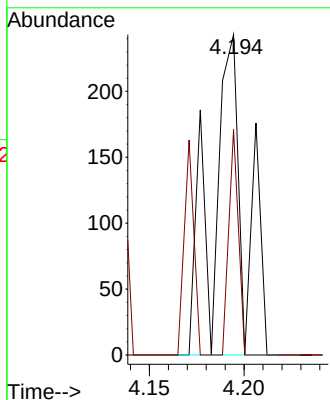
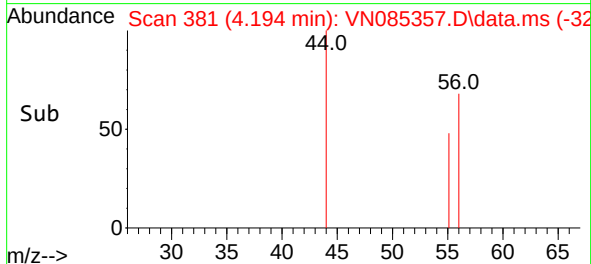


#13
Acrolein
Concen: 0.796 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Instrument :
MSVOA_N
ClientSampleId :

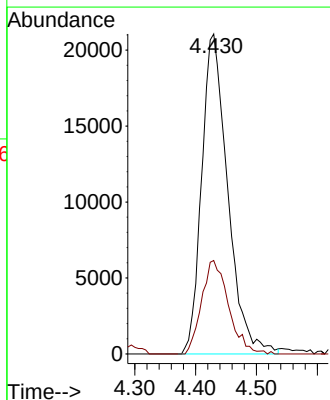
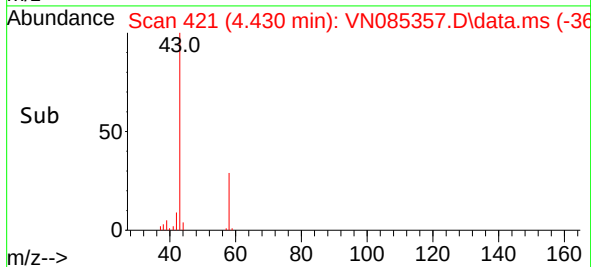
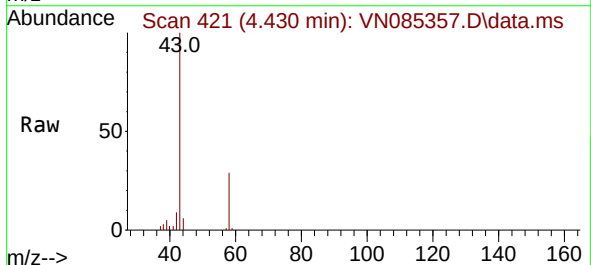


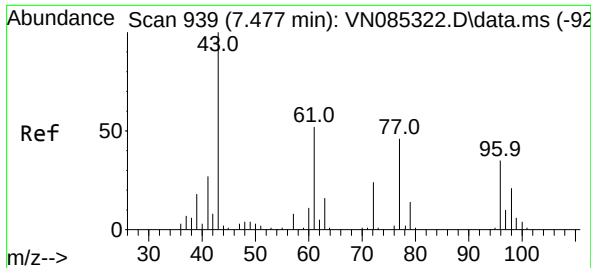
Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 20.9 57.5 86.3#



#16
Acetone
Concen: 103.178 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 43 Resp: 62640
Ion Ratio Lower Upper
43 100
58 29.2 24.5 36.7

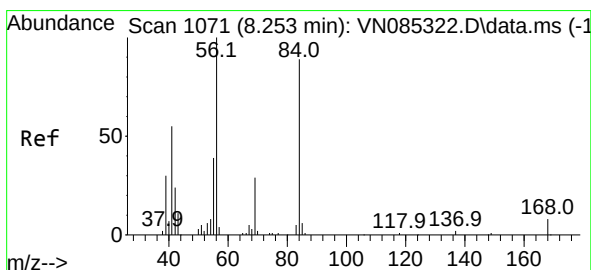
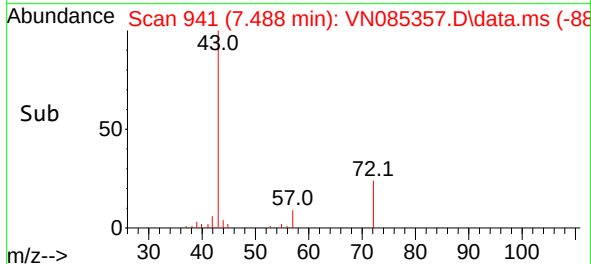
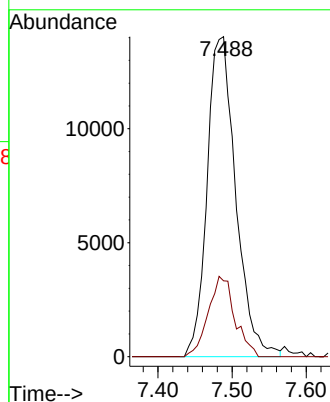
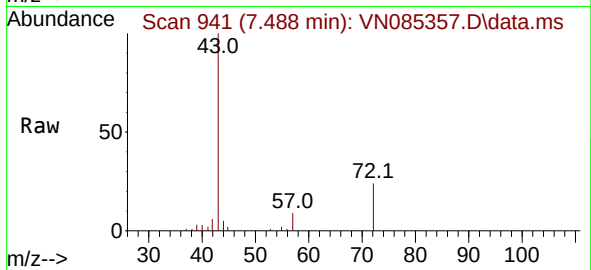




#25
2-Butanone
Concen: 40.005 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

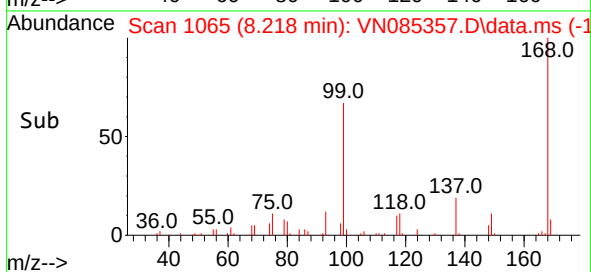
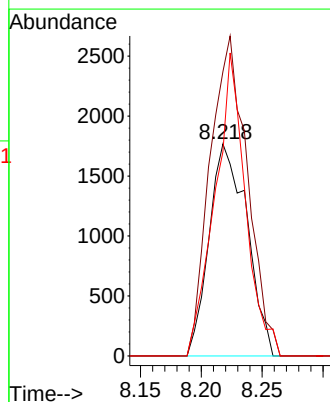
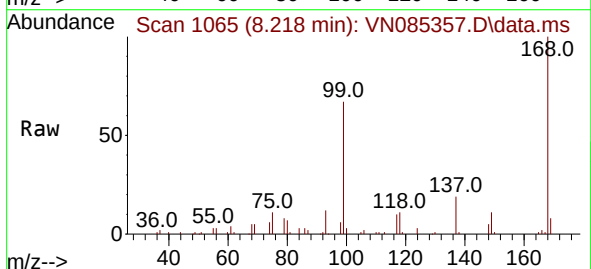
Instrument :
MSVOA_N
ClientSampleId :

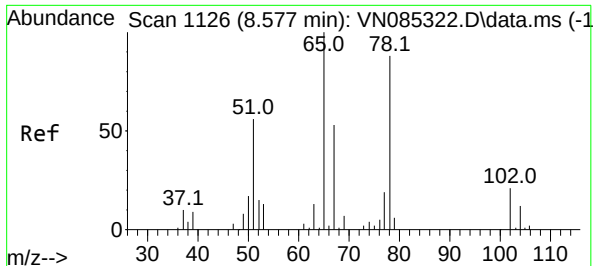
Tgt Ion: 43 Resp: 37679
Ion Ratio Lower Upper
43 100
72 23.7 19.6 29.4



#31
Cyclohexane
Concen: 1.397 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 56 Resp: 3811
Ion Ratio Lower Upper
56 100
69 134.0 23.4 35.0#
84 96.3 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 59.407 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085357.D

Acq: 30 Dec 2024 20:03

Instrument :

MSVOA_N

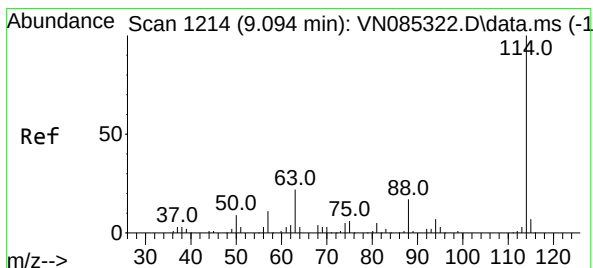
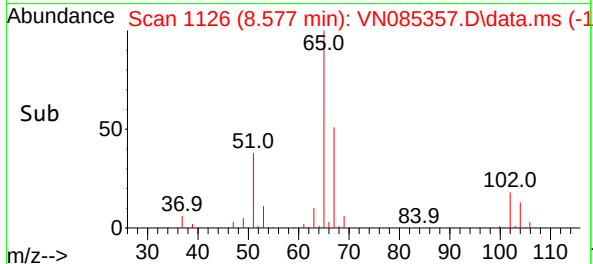
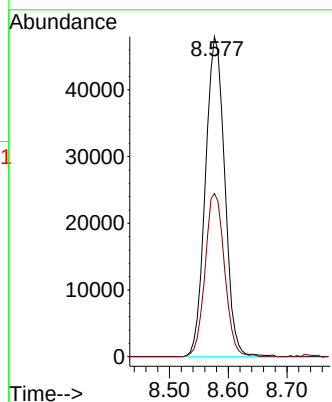
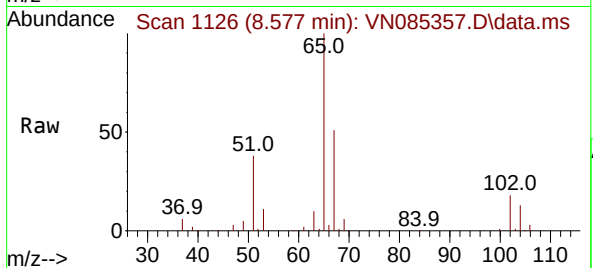
ClientSampleId :

Tgt Ion: 65 Resp: 109683

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085357.D

Acq: 30 Dec 2024 20:03

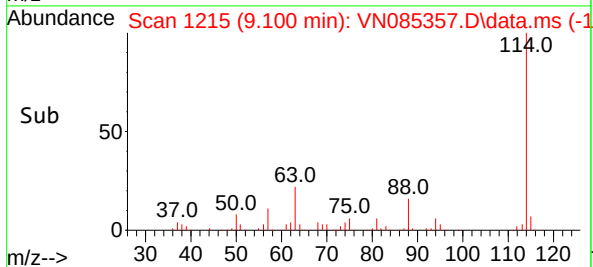
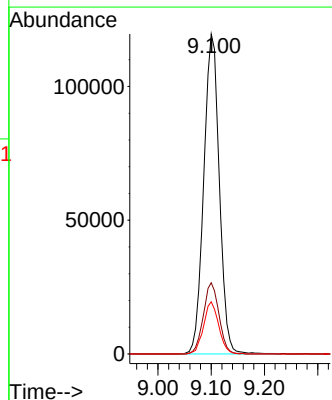
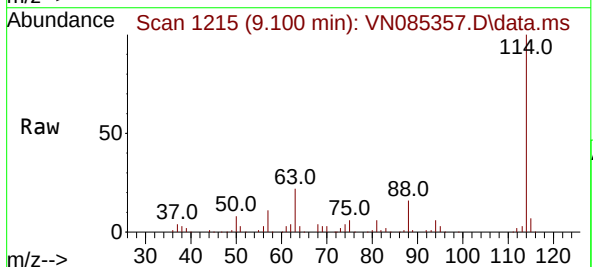
Tgt Ion: 114 Resp: 242746

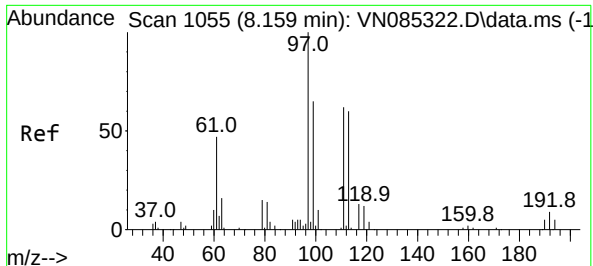
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.933 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085357.D

Acq: 30 Dec 2024 20:03

Instrument :

MSVOA_N

ClientSampleId :

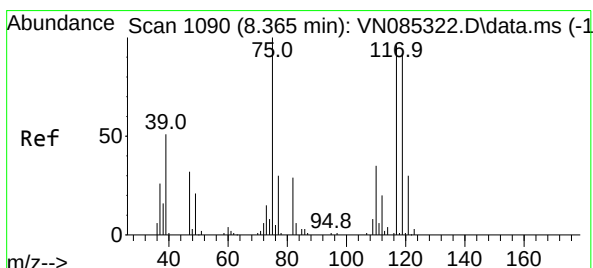
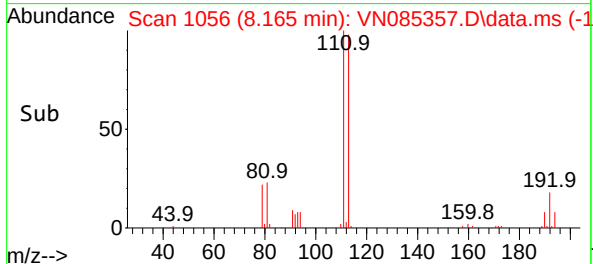
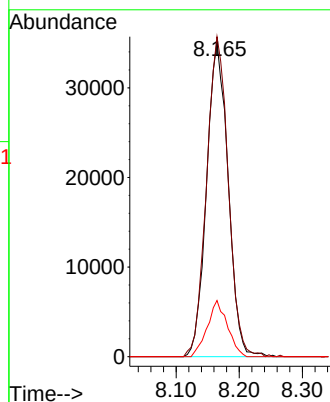
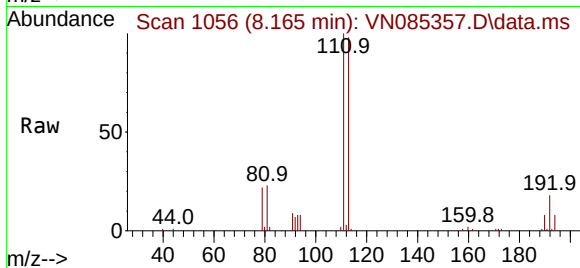
Tgt Ion:113 Resp: 83190

Ion Ratio Lower Upper

113 100

111 102.6 80.5 120.7

192 16.7 12.9 19.3



#36

1,1-Dichloropropene

Concen: 5.504 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085357.D

Acq: 30 Dec 2024 20:03

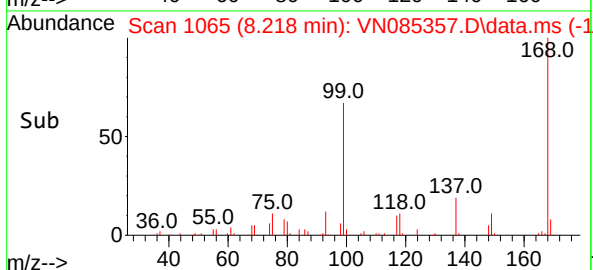
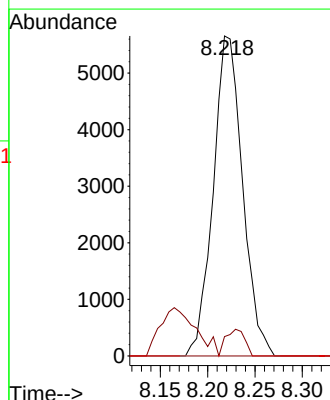
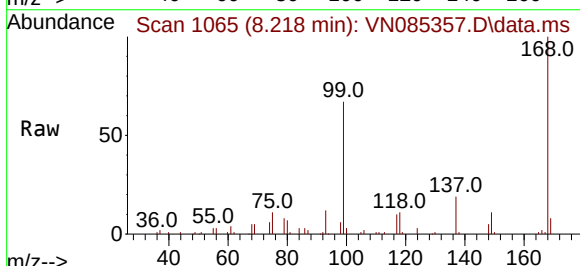
Tgt Ion: 75 Resp: 12204

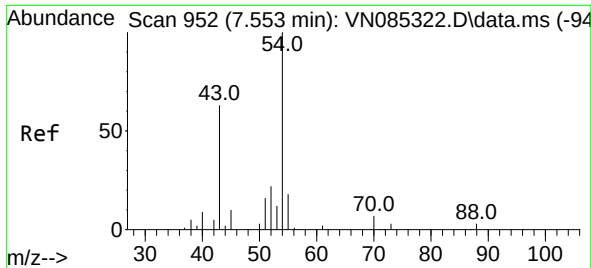
Ion Ratio Lower Upper

75 100

110 5.4 16.6 49.8#

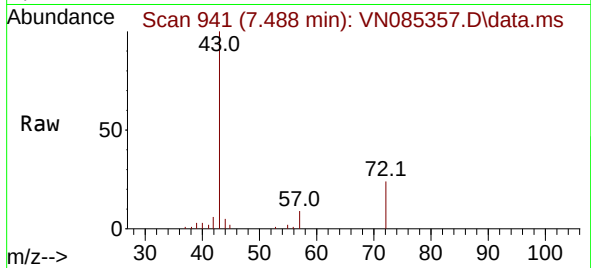
77 0.0 24.3 36.5#



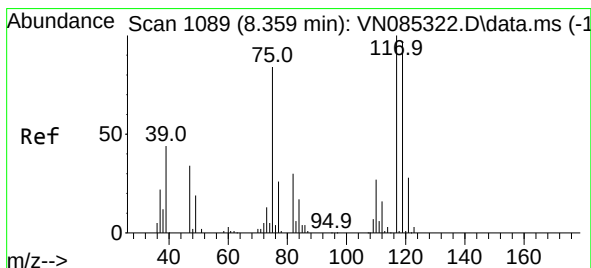
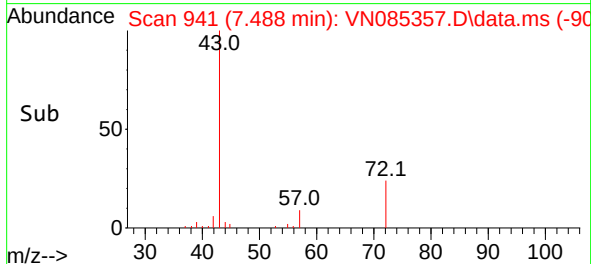
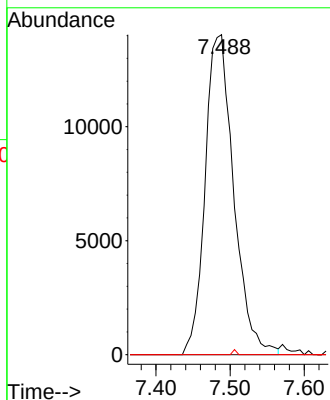


#37
Ethyl Acetate
Concen: 17.097 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Instrument :
MSVOA_N
ClientSampleId :

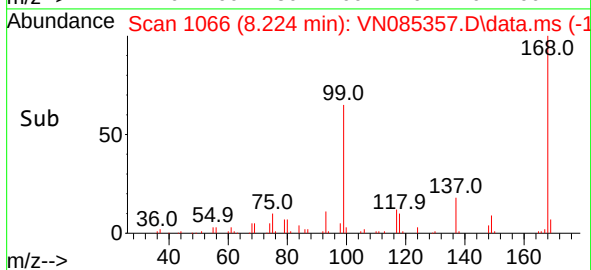
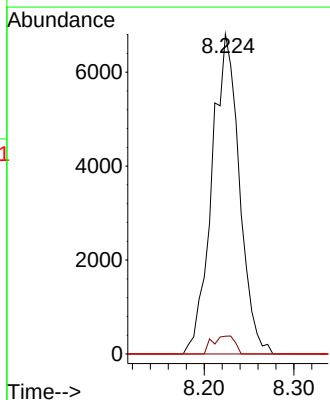
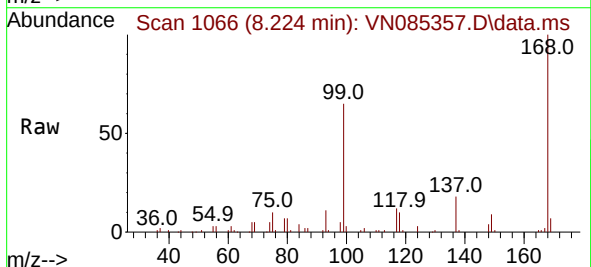


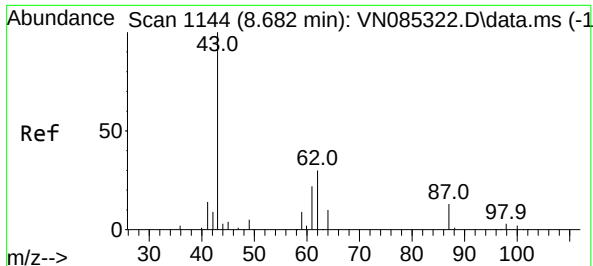
Tgt Ion: 43 Resp: 37679
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.2 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 117 Resp: 14546
Ion Ratio Lower Upper
117 100
119 5.6 77.8 116.6#
121 0.0 22.5 33.7#

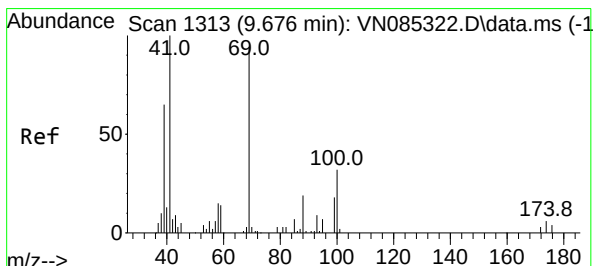
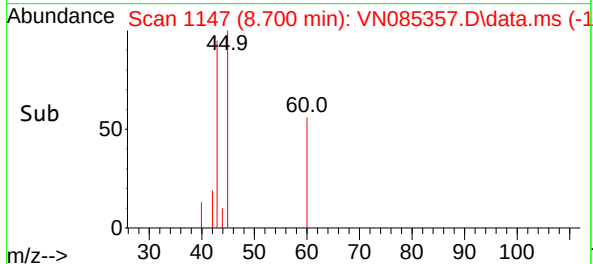
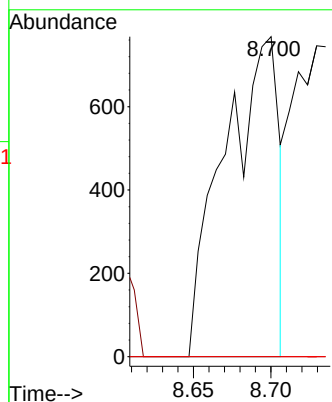
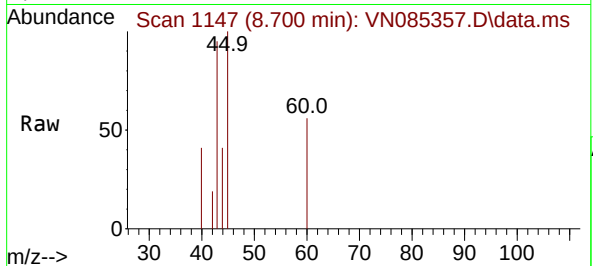




#43
Isopropyl Acetate
Concen: 0.517 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.018 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

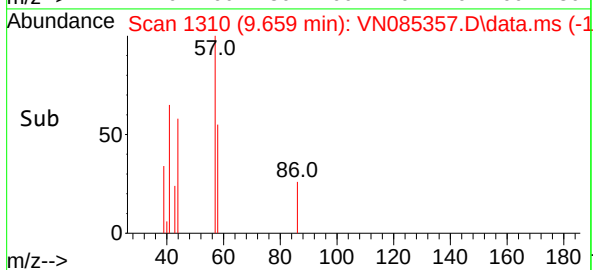
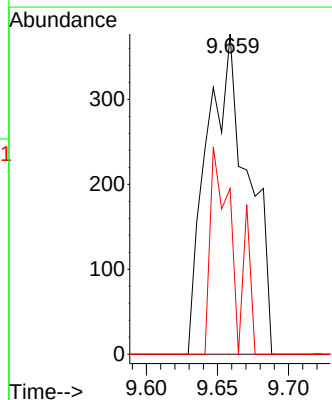
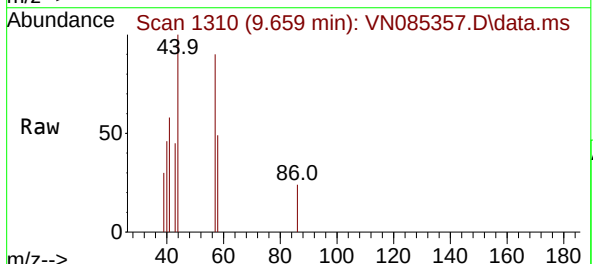
Instrument :
MSVOA_N
ClientSampleId :

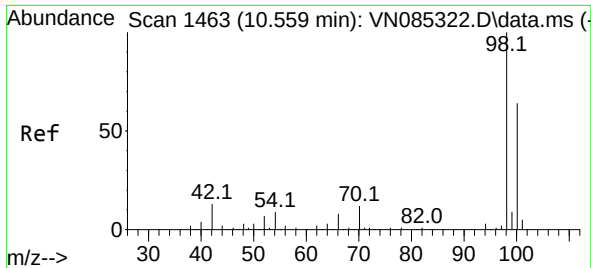
Tgt Ion: 43 Resp: 1875
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 10.2 15.4#



#48
Methyl methacrylate
Concen: 0.486 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 41 Resp: 765
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 19.1 51.2 76.8#

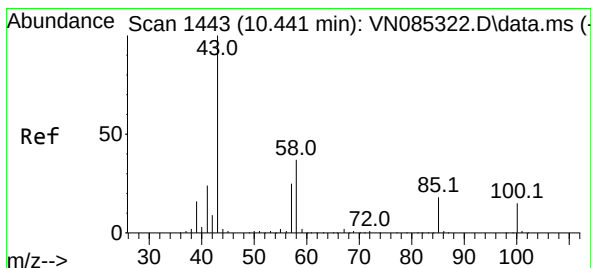
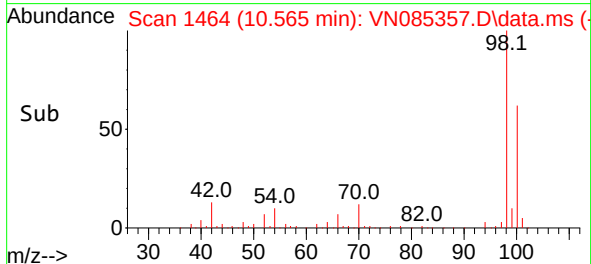
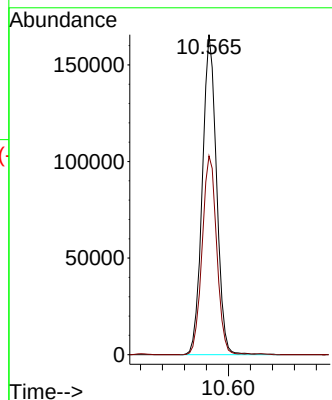
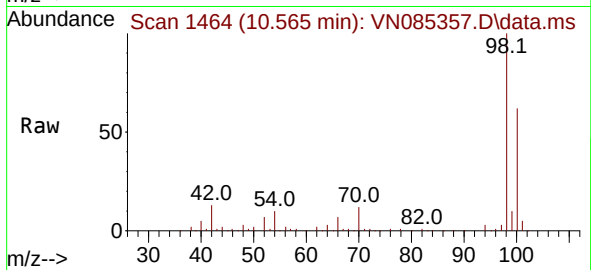




#50
Toluene-d8
Concen: 53.525 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

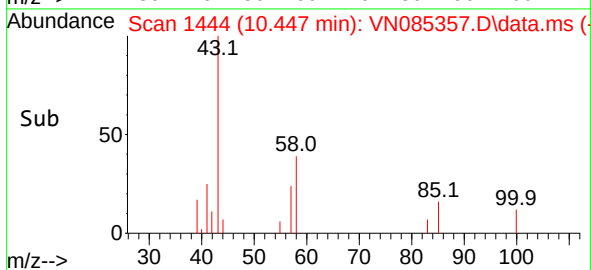
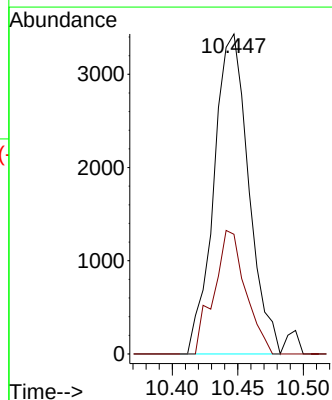
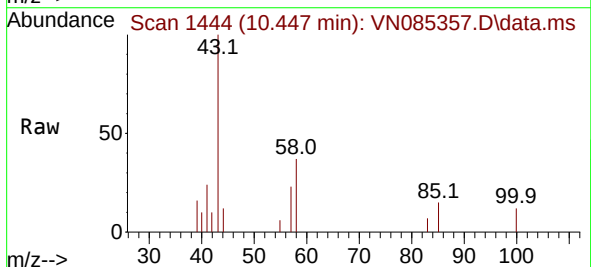
Instrument :
MSVOA_N
ClientSampleId :

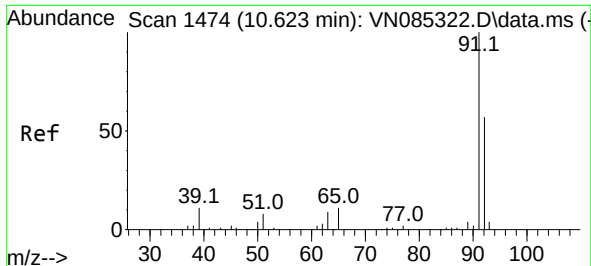
Tgt Ion: 98 Resp: 297447
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.112 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

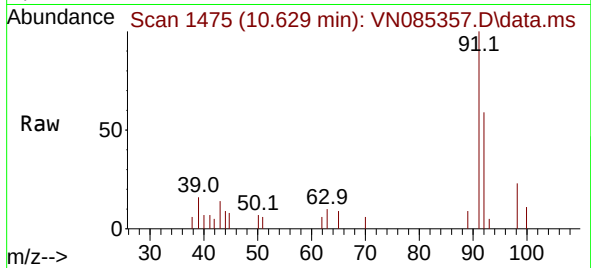
Tgt Ion: 43 Resp: 6347
Ion Ratio Lower Upper
43 100
58 35.0 30.3 45.5



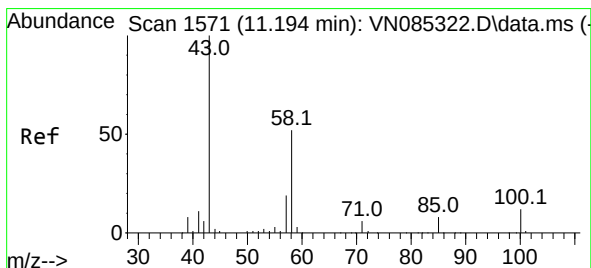
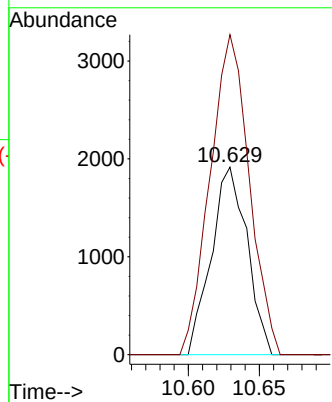
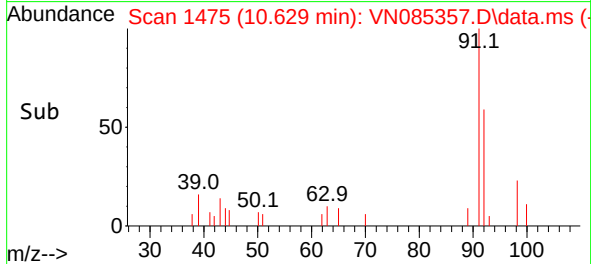


#52
Toluene
Concen: 0.840 ug/l
RT: 10.629 min Scan# 1474
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Instrument :
MSVOA_N
ClientSampleId :

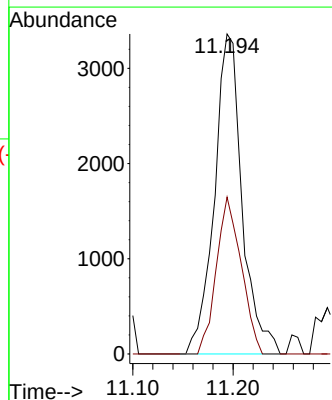
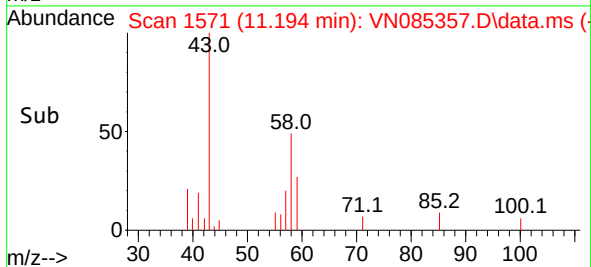
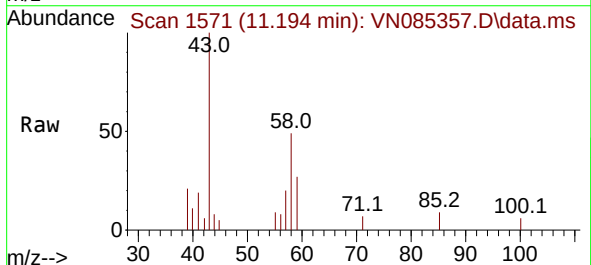


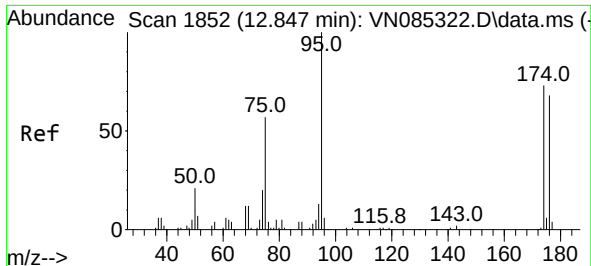
Tgt Ion: 92 Resp: 3355
Ion Ratio Lower Upper
92 100
91 186.7 140.2 210.4



#59
2-Hexanone
Concen: 4.559 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 43 Resp: 6451
Ion Ratio Lower Upper
43 100
58 43.9 26.5 79.5

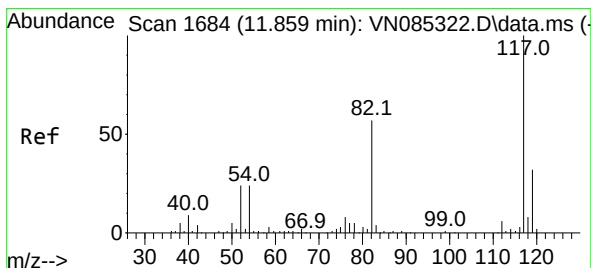
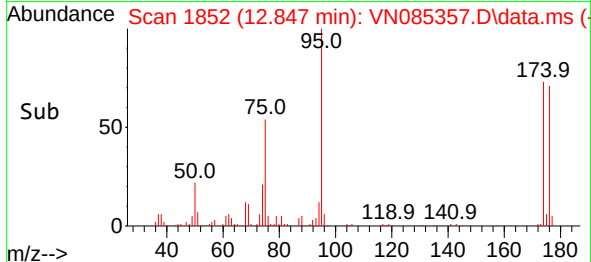
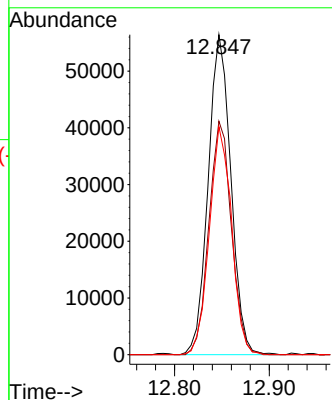
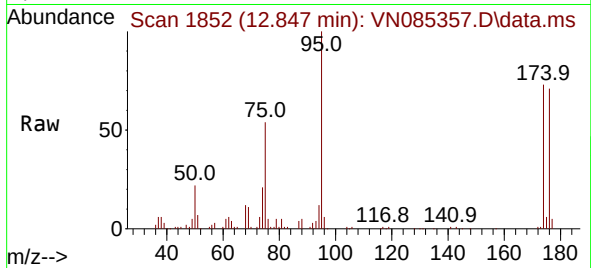




#62
4-Bromofluorobenzene
Concen: 50.988 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

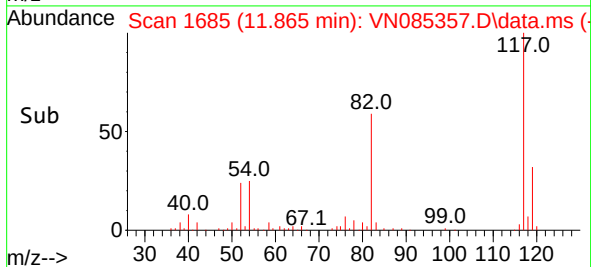
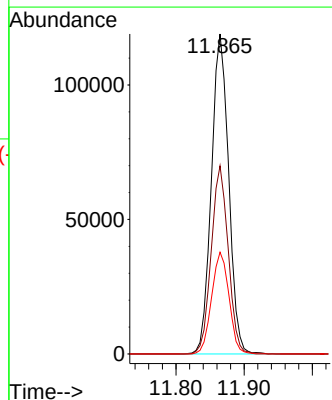
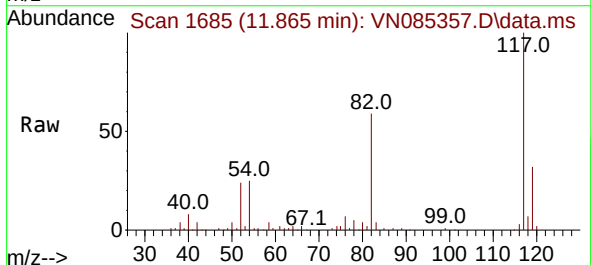
Instrument :
MSVOA_N
ClientSampleId :

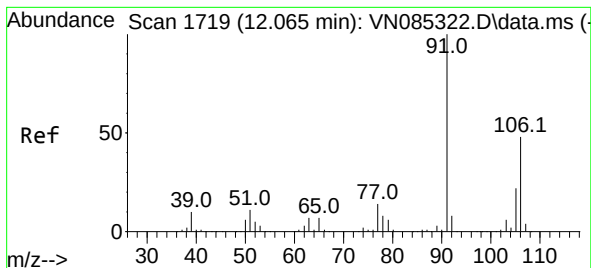
Tgt Ion: 95 Resp: 94101
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.2
176 69.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 117 Resp: 209836
Ion Ratio Lower Upper
117 100
82 58.8 45.7 68.5
119 31.8 25.8 38.8

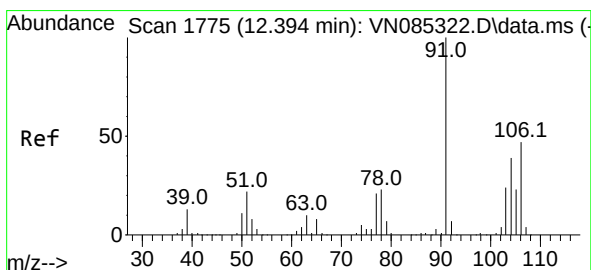
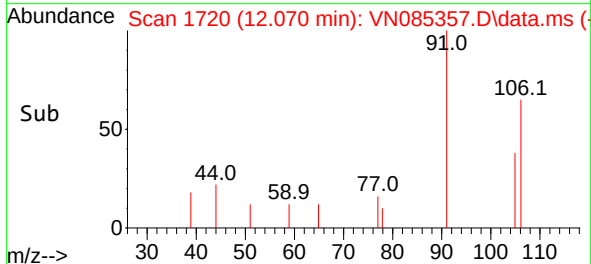
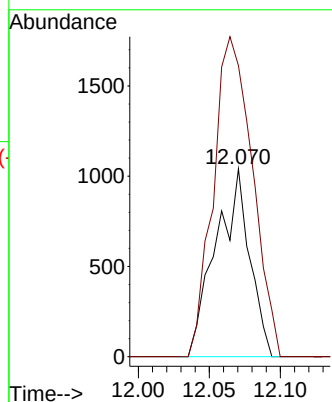
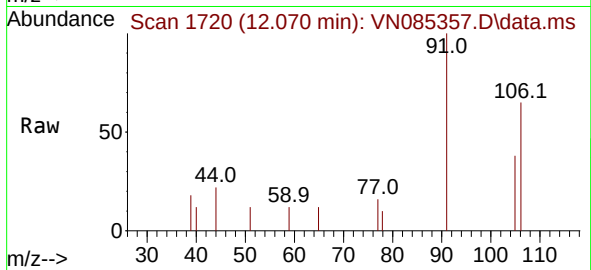




#68
m/p-Xylenes
Concen: 0.624 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

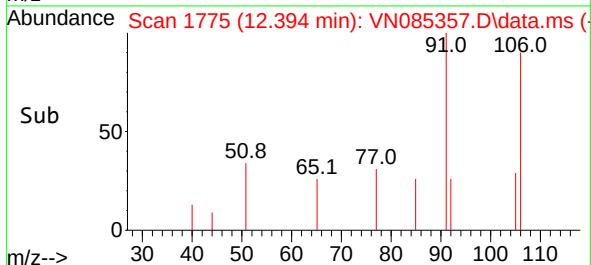
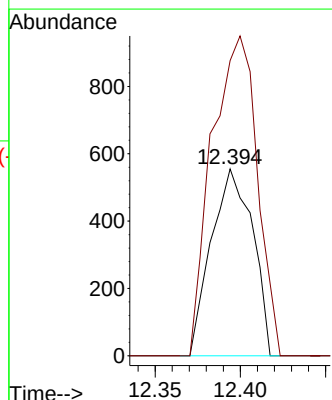
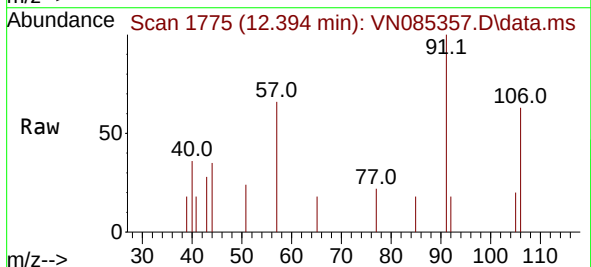
Instrument :
MSVOA_N
ClientSampleId :

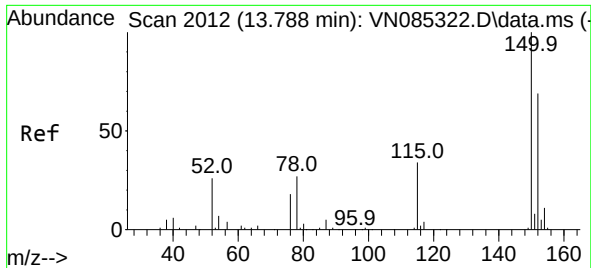
Tgt Ion:106 Resp: 1721
Ion Ratio Lower Upper
106 100
91 197.4 165.2 247.8



#69
o-Xylene
Concen: 0.351 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion:106 Resp: 936
Ion Ratio Lower Upper
106 100
91 187.8 107.3 321.8

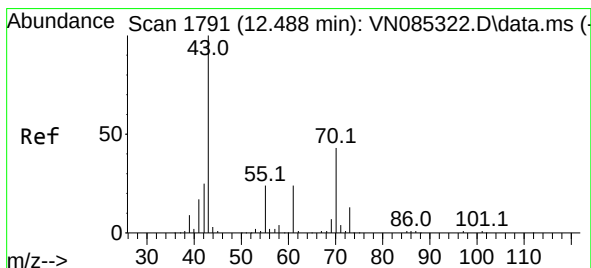
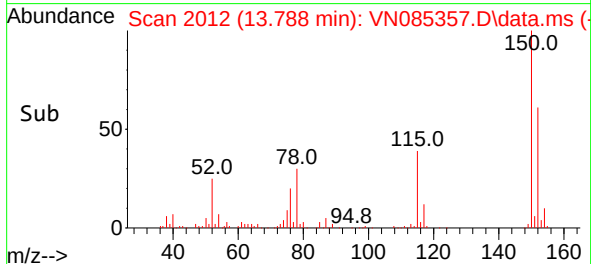
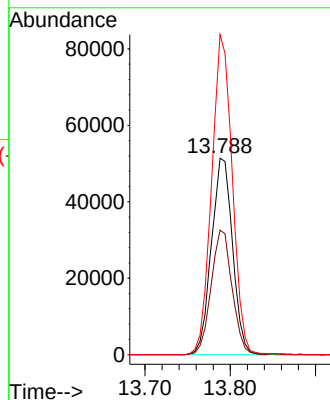
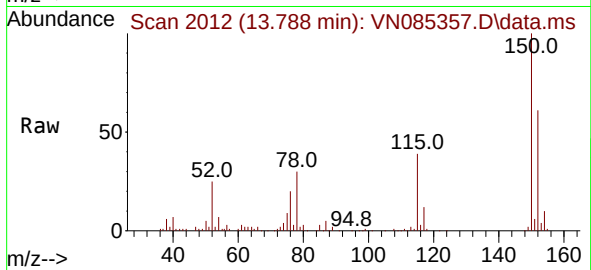




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

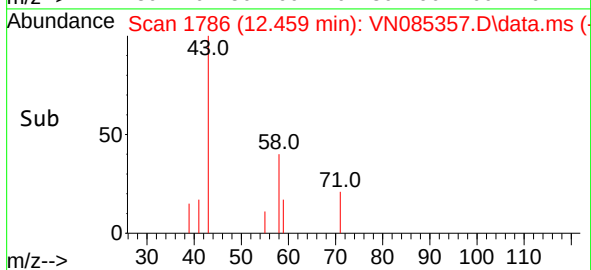
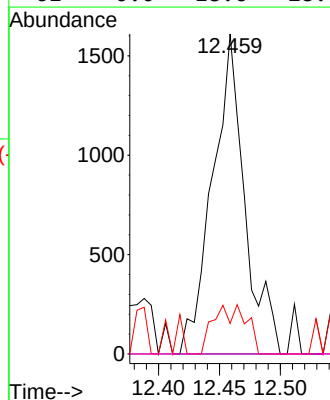
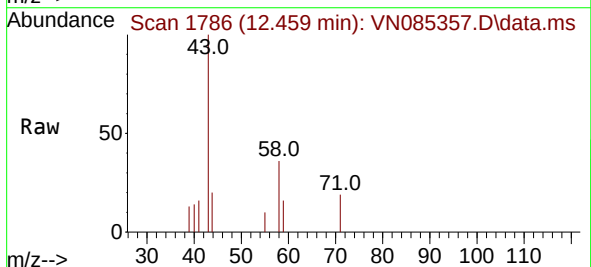
Instrument :
MSVOA_N
ClientSampleId :

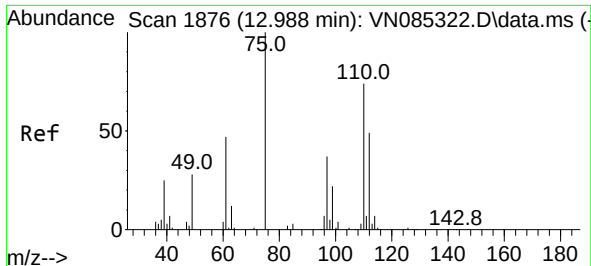
Tgt Ion:152 Resp: 88592
Ion Ratio Lower Upper
152 100
115 62.8 30.4 91.3
150 158.9 0.0 345.0



#74
N-ethyl acetate
Concen: 1.090 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 43 Resp: 2971
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 8.7 19.2 28.8#
61 0.0 18.6 28.0#

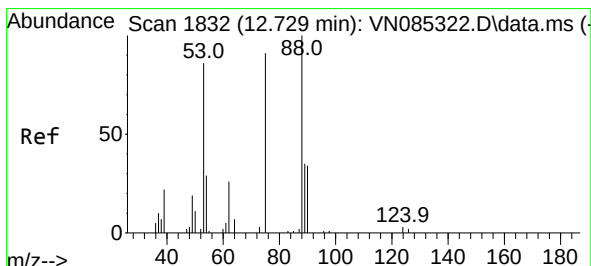
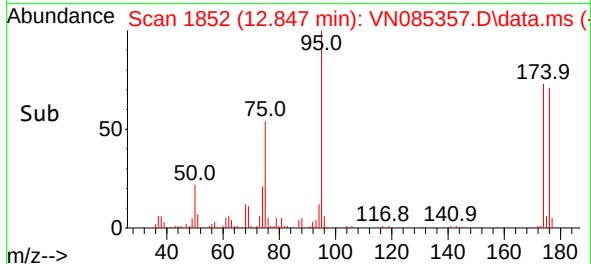
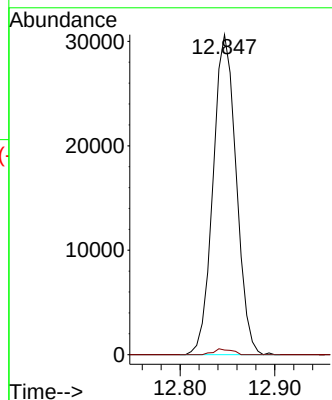
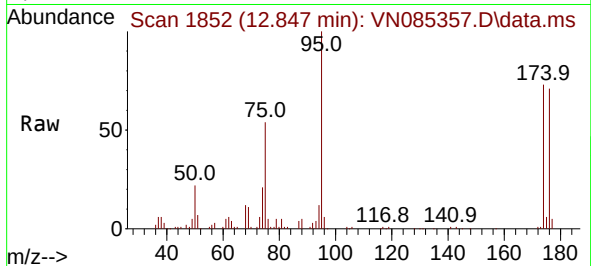




#76
1,2,3-Trichloropropane
Concen: 31.475 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

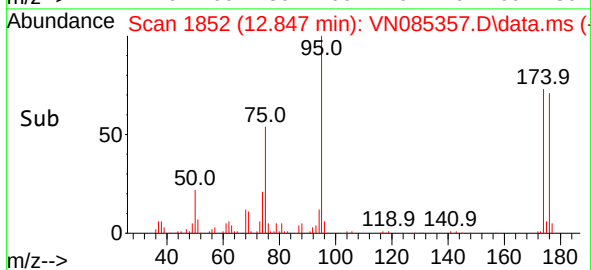
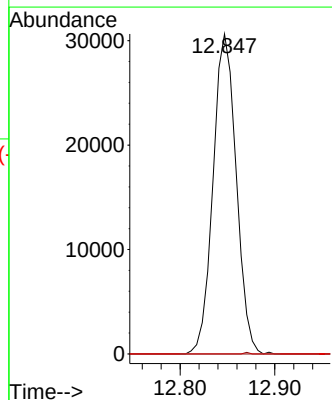
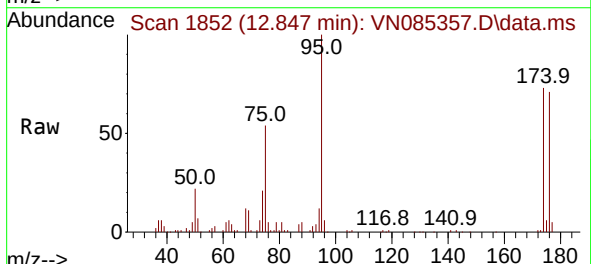
Instrument :
MSVOA_N
ClientSampleId :

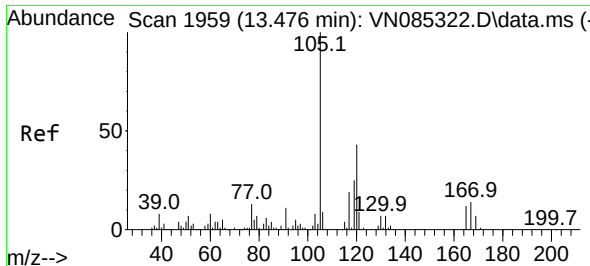
Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
77 1.4 98.1 294.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.376 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Tgt Ion: 75 Resp: 52070
Ion Ratio Lower Upper
75 100
53 0.0 80.0 120.0#
89 0.0 35.8 53.8#

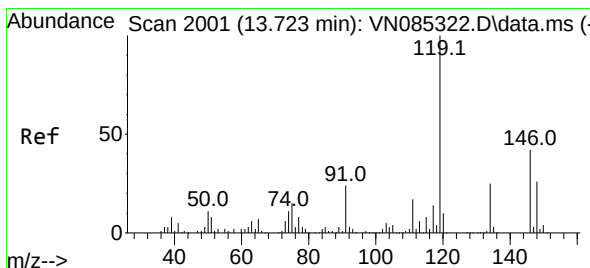
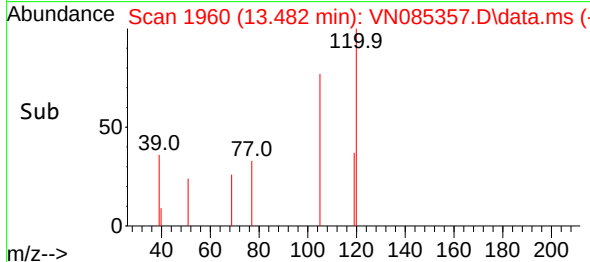
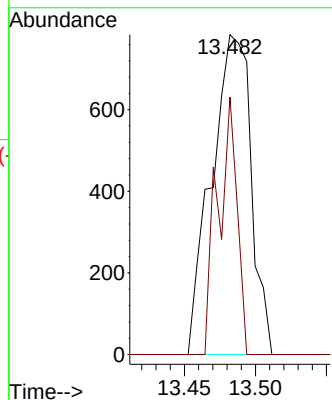
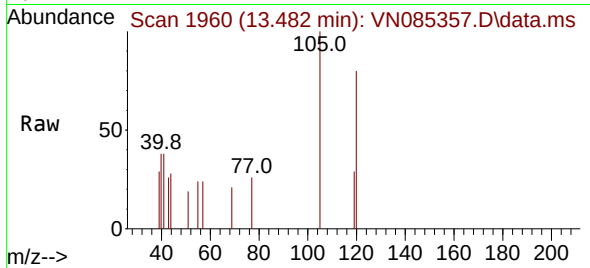




#84
 1,2,4-Trimethylbenzene
 Concen: 0.296 ug/l
 RT: 13.482 min Scan# 1959
 Delta R.T. 0.006 min
 Lab File: VN085357.D
 Acq: 30 Dec 2024 20:03

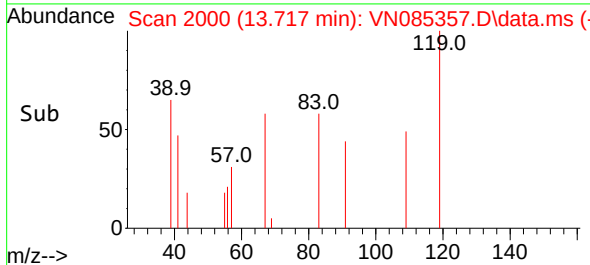
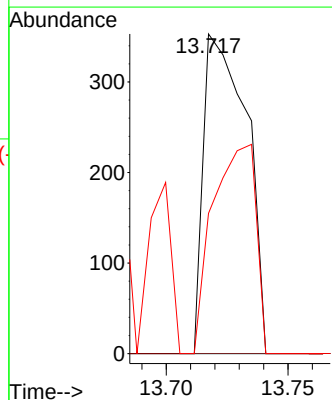
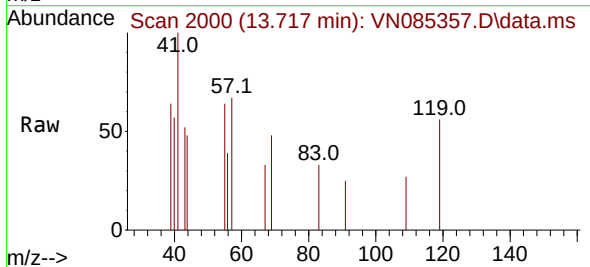
Instrument :
 MSVOA_N
 ClientSampleId :

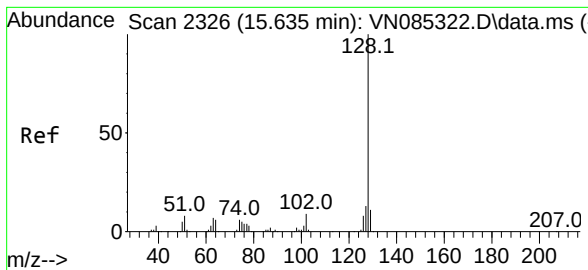
Tgt Ion:105 Resp: 1520
 Ion Ratio Lower Upper
 105 100
 120 39.3 21.7 65.1



#86
 p-Isopropyltoluene
 Concen: 0.275 ug/l
 RT: 13.717 min Scan# 2000
 Delta R.T. -0.006 min
 Lab File: VN085357.D
 Acq: 30 Dec 2024 20:03

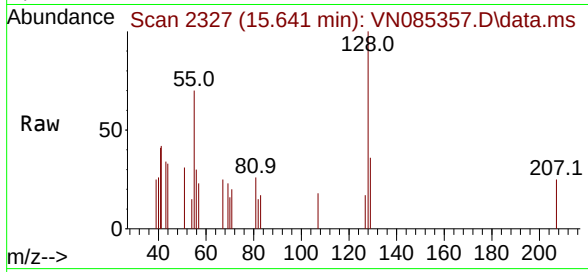
Tgt Ion:119 Resp: 433
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.5 37.5#
 91 65.6 12.2 36.4#





#95
Naphthalene
Concen: 0.350 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085357.D
Acq: 30 Dec 2024 20:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1615
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.6	16.0#
129	12.1	8.5	12.7

