

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085724.D
 Acq On : 10 Feb 2025 15:24
 Operator : JC\MD
 Sample : Q1289-04ME
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 03:23:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

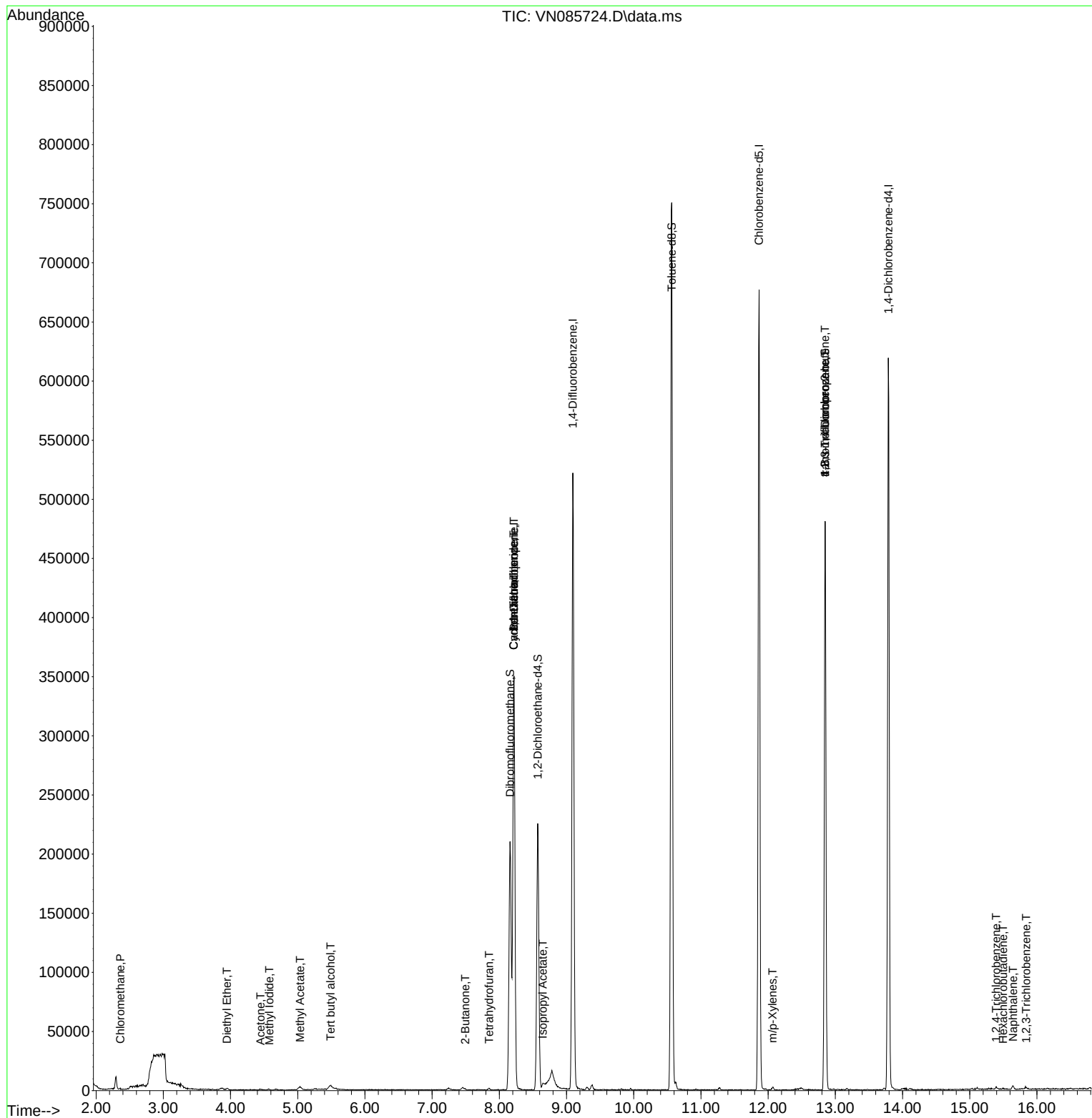
Internal Standards						
1) Pentafluorobenzene	8.218	168	247031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	443984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	385312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	168582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	181115	45.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.840%		
35) Dibromofluoromethane	8.159	113	151078	49.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	10.565	98	535756	48.955	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.920%		
62) 4-Bromofluorobenzene	12.847	95	167259	44.679	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.360%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	759	0.210	ug/l #	41
8) Diethyl Ether	3.948	74	647	0.355	ug/l	74
10) Methyl Iodide	4.577	142	843	0.247	ug/l #	84
11) Tert butyl alcohol	5.489	59	3608	7.902	ug/l #	71
16) Acetone	4.448	43	670	0.520	ug/l #	45
18) Methyl Acetate	5.036	43	5446	1.390	ug/l	98
25) 2-Butanone	7.494	43	724	0.382	ug/l #	50
29) Tetrahydrofuran	7.847	42	850	0.707	ug/l #	65
31) Cyclohexane	8.212	56	5674	1.121	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	20975	4.852	ug/l #	52
38) Carbon Tetrachloride	8.212	117	26541	5.363	ug/l #	18
43) Isopropyl Acetate	8.647	43	3354	0.480	ug/l #	55
68) m/p-Xylenes	12.065	106	1114	0.219	ug/l	81
76) 1,2,3-Trichloropropane	12.847	75	86724	25.310	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86724	68.478	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.394	180	634	0.250	ug/l #	84
94) Hexachlorobutadiene	15.494	225	467	0.347	ug/l #	46
95) Naphthalene	15.647	128	3782	0.499	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.841	180	628	0.245	ug/l	98

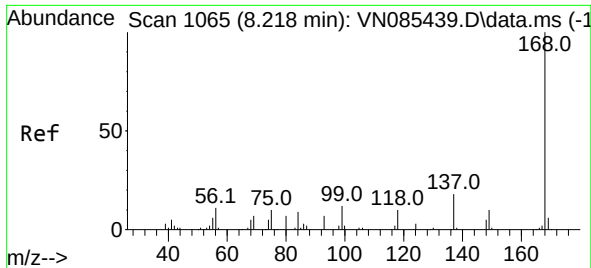
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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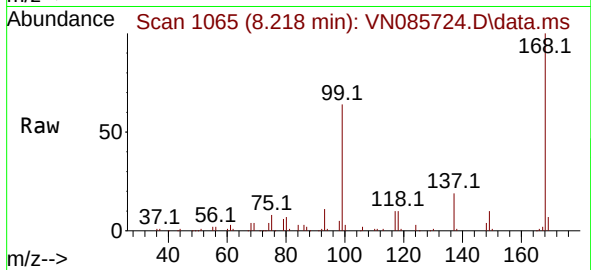
Quant Time: Feb 11 03:23:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



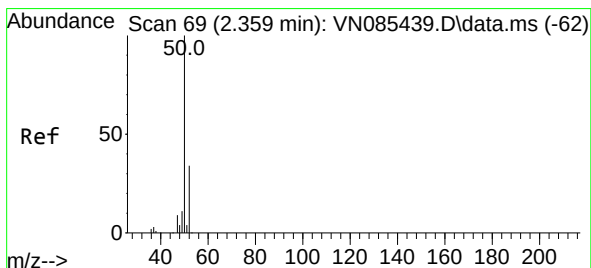
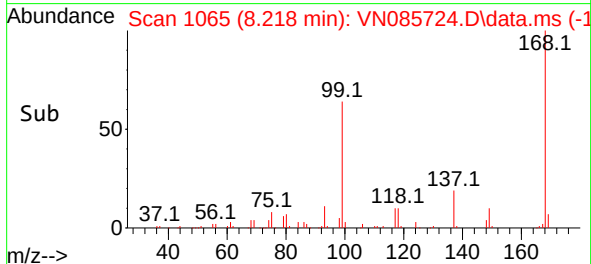
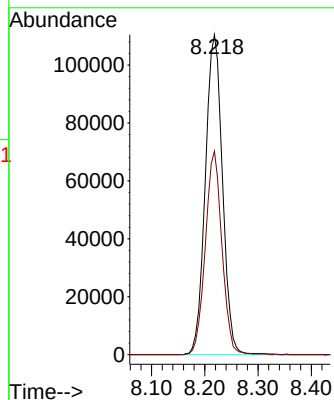


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

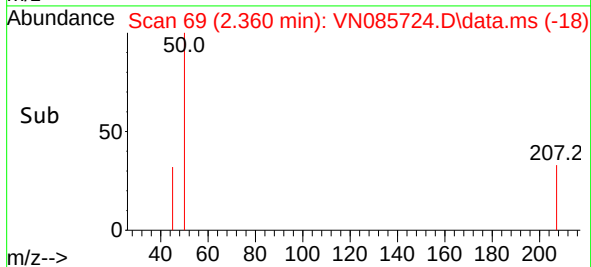
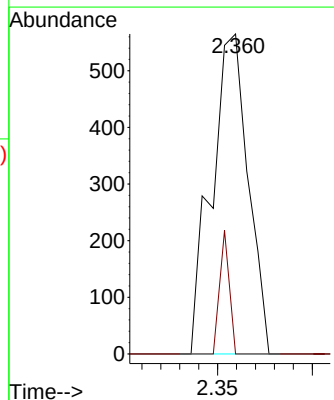
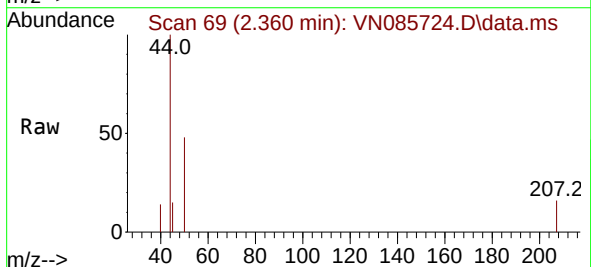


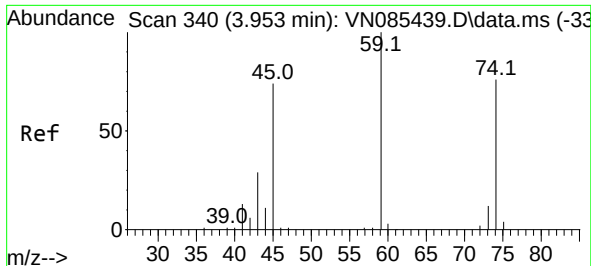
Tgt Ion:168 Resp: 247031
Ion Ratio Lower Upper
168 100
99 63.6 53.6 80.4



#3
Chloromethane
Concen: 0.210 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#8

Diethyl Ether

Concen: 0.355 ug/l

RT: 3.948 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

Instrument :

MSVOA_N

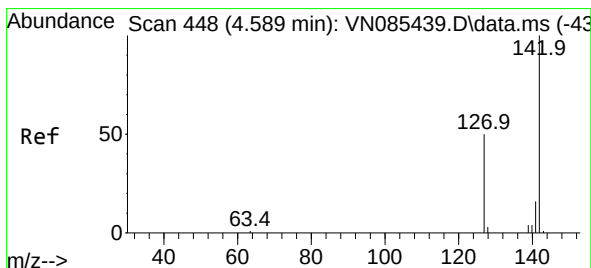
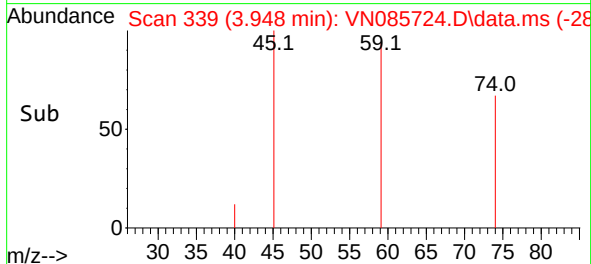
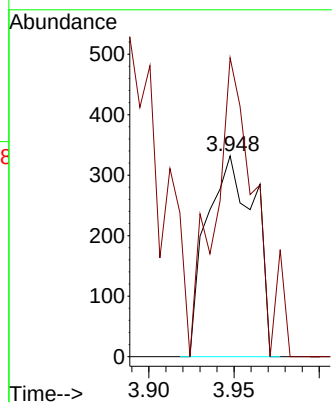
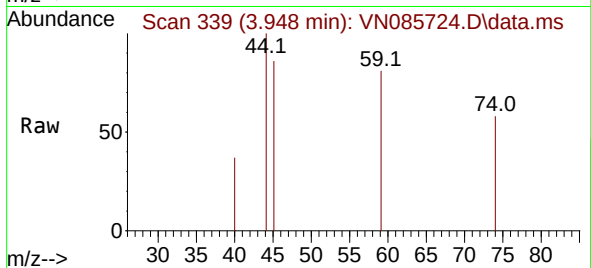
ClientSampleId :

Tgt Ion: 74 Resp: 647

Ion Ratio Lower Upper

74 100

45 125.5 49.7 149.1



#10

Methyl Iodide

Concen: 0.247 ug/l

RT: 4.577 min Scan# 446

Delta R.T. -0.012 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

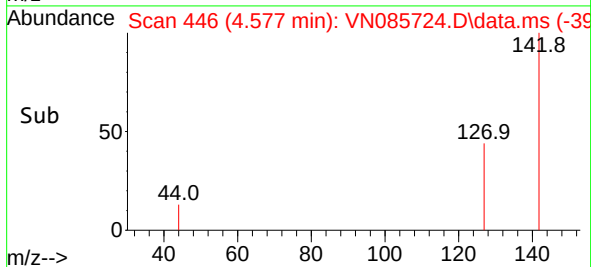
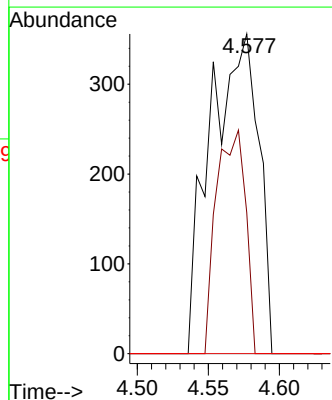
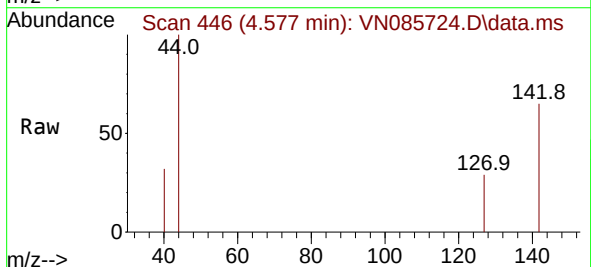
Tgt Ion: 142 Resp: 843

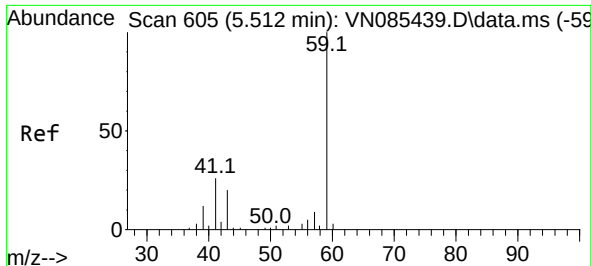
Ion Ratio Lower Upper

142 100

127 44.1 40.3 60.5

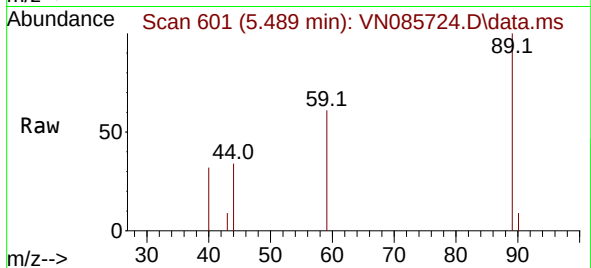
141 0.0 12.8 19.2#



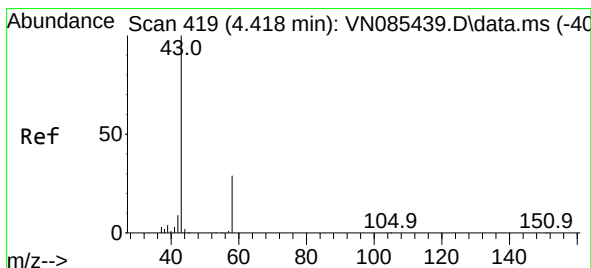
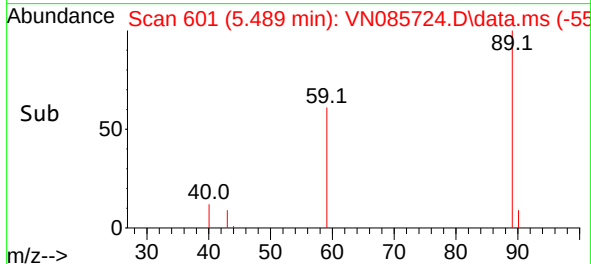
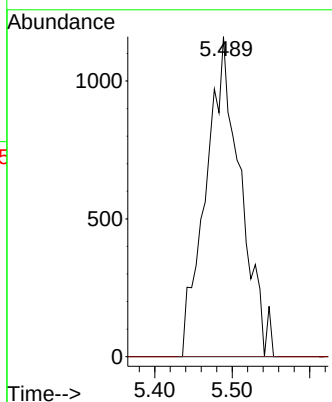


#11
Tert butyl alcohol
Concen: 7.902 ug/l
RT: 5.489 min Scan# 605
Delta R.T. -0.023 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

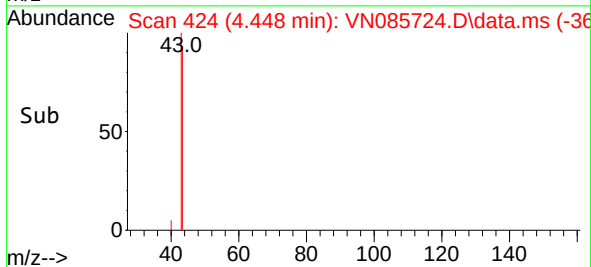
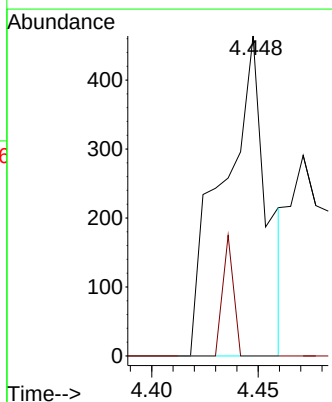
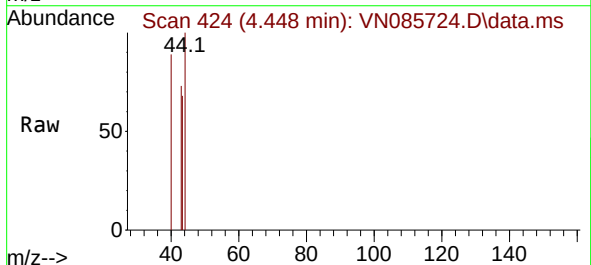


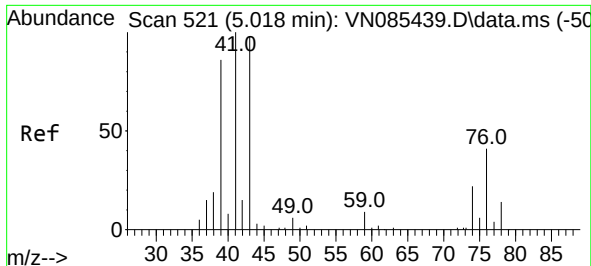
Tgt Ion: 59 Resp: 3608
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 0.520 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.030 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

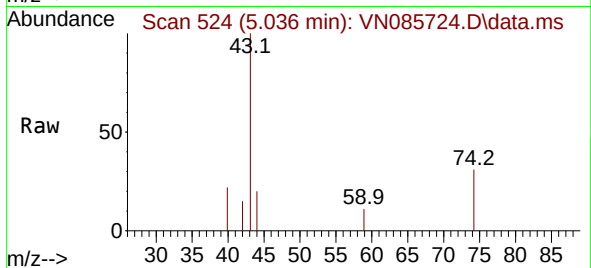
Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



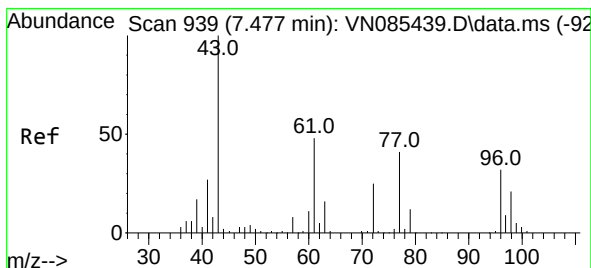
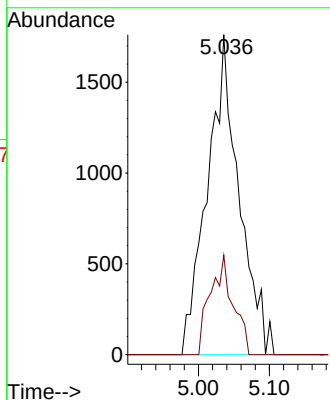
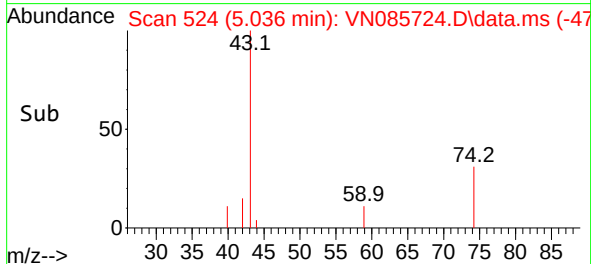


#18
Methyl Acetate
Concen: 1.390 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

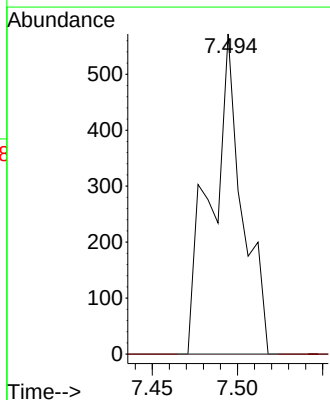
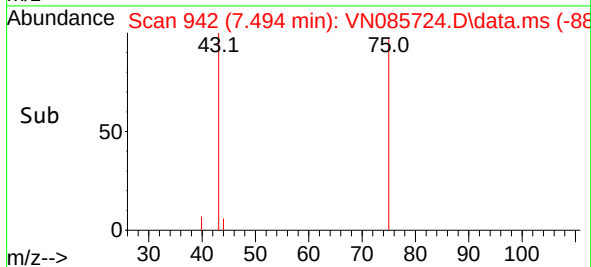
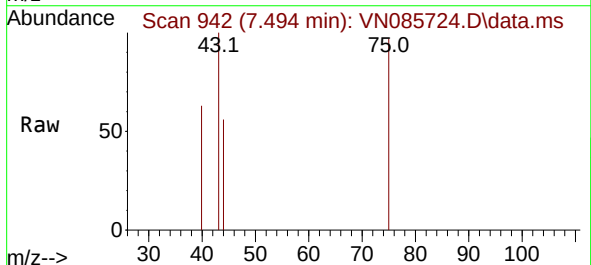


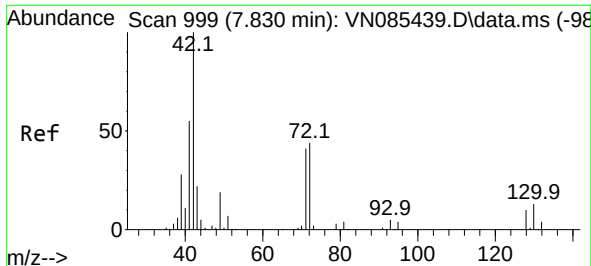
Tgt Ion: 43 Resp: 5446
Ion Ratio Lower Upper
43 100
74 22.4 18.6 28.0



#25
2-Butanone
Concen: 0.382 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.707 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

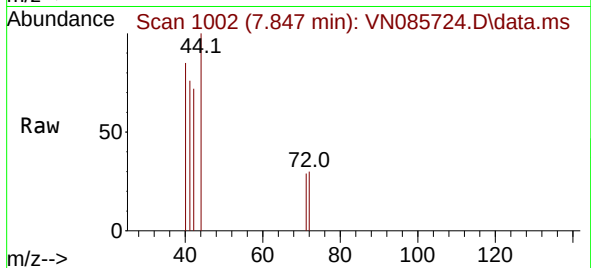
Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

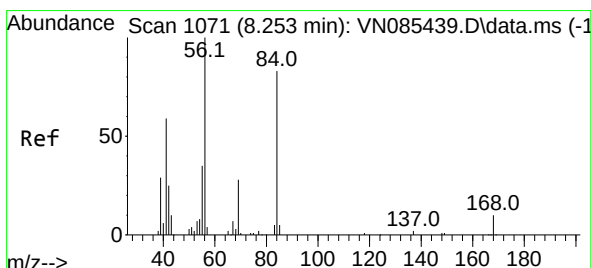
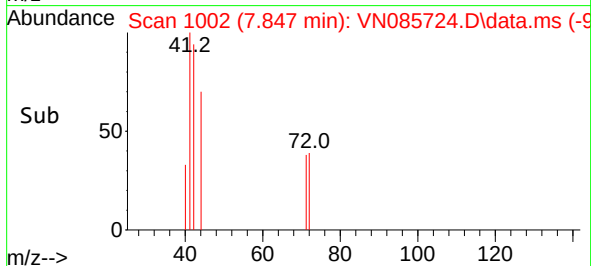
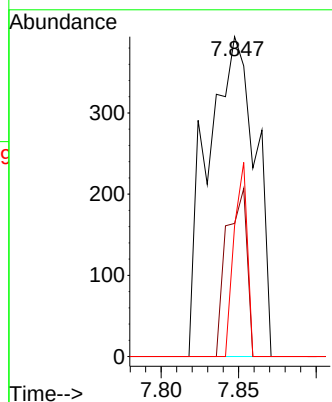
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	850
Ion Ratio	Lower	Upper	
42	100		
72	22.1	34.2	51.2#
71	16.6	32.5	48.7#



#31

Cyclohexane

Concen: 1.121 ug/l

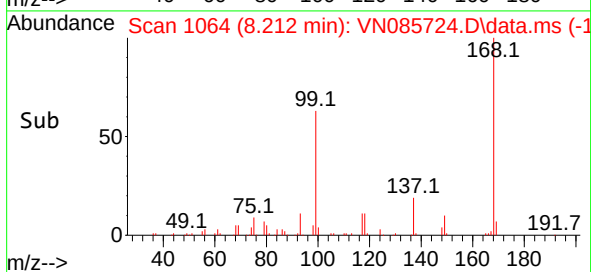
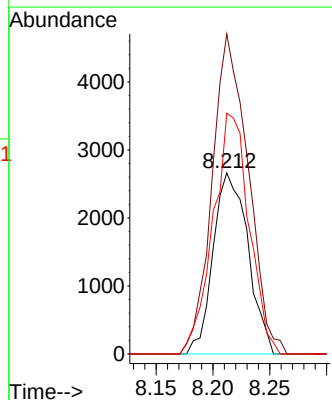
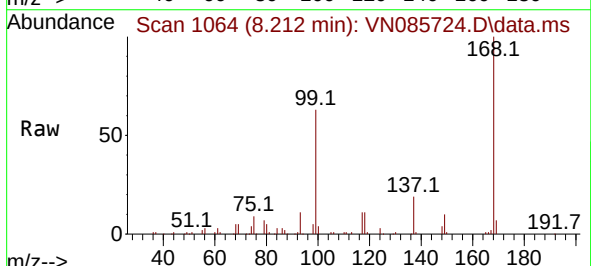
RT: 8.212 min Scan# 1064

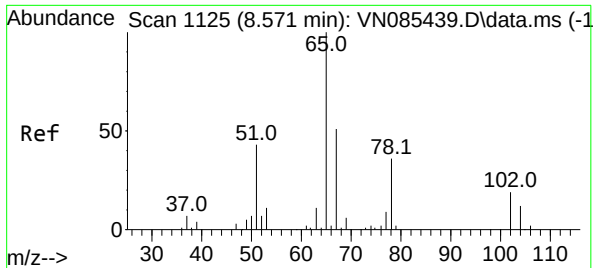
Delta R.T. -0.041 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

Tgt Ion:	56	Resp:	5674
Ion Ratio	Lower	Upper	
56	100		
69	176.7	22.2	33.4#
84	132.9	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 45.420 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

Instrument :

MSVOA_N

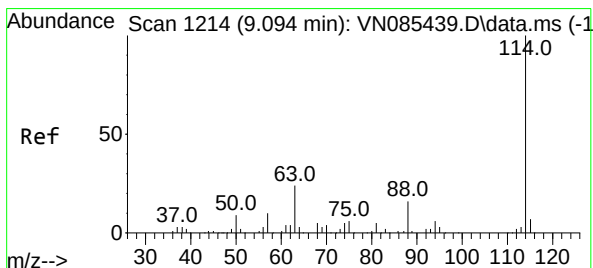
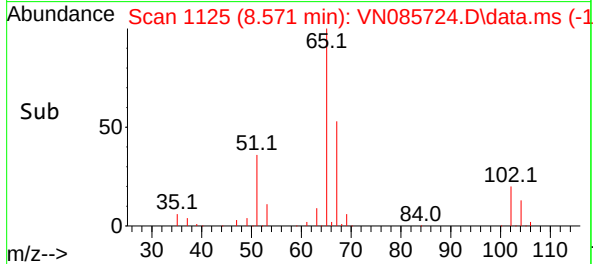
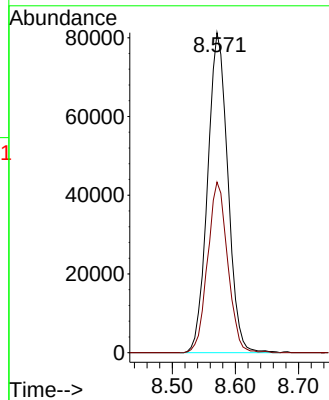
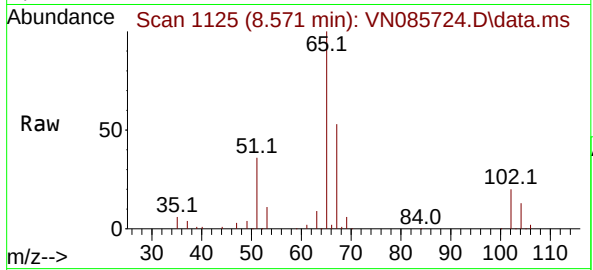
ClientSampleId :

Tgt Ion: 65 Resp: 181115

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

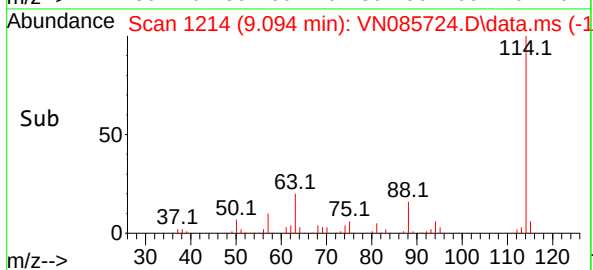
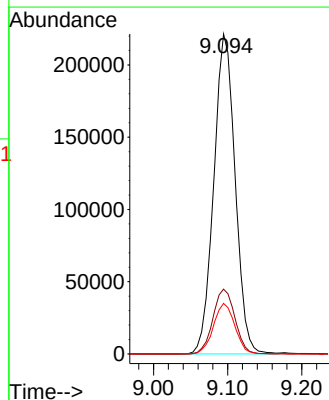
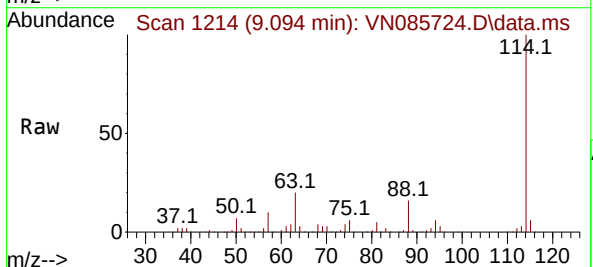
Tgt Ion: 114 Resp: 443984

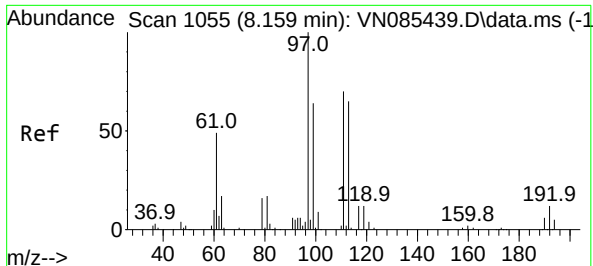
Ion Ratio Lower Upper

114 100

63 20.2 0.0 47.6

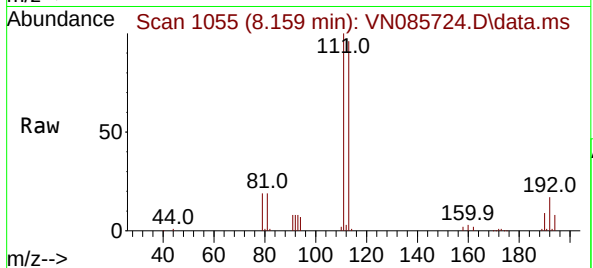
88 15.8 0.0 32.6



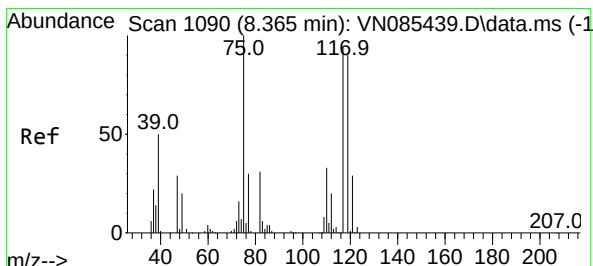
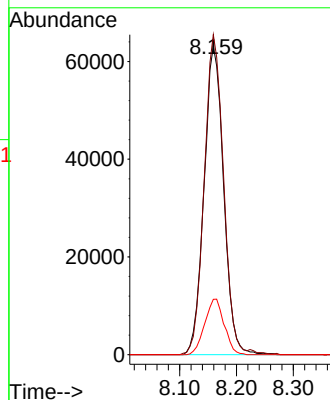
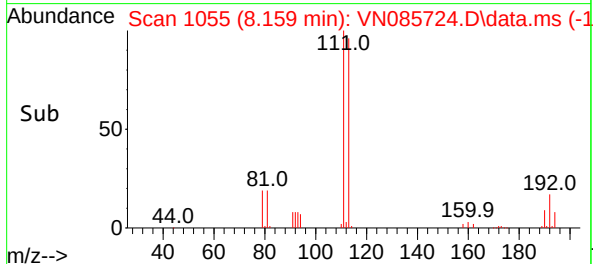


#35
Dibromofluoromethane
Concen: 49.049 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

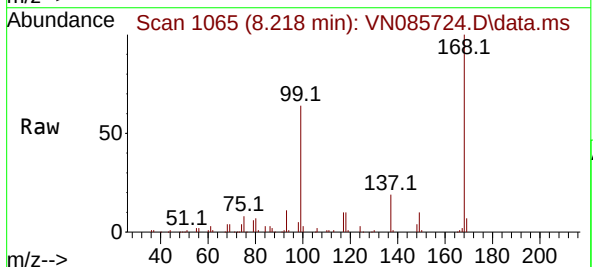
Instrument :
MSVOA_N
ClientSampleId :



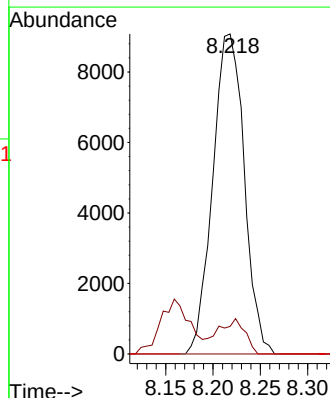
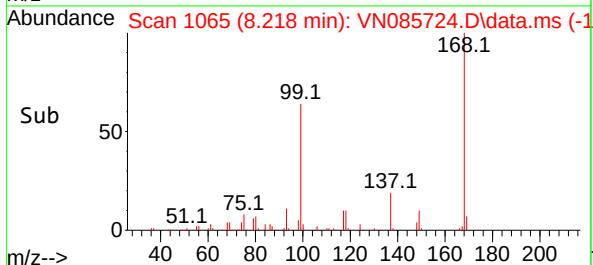
Tgt Ion:113 Resp: 151078
Ion Ratio Lower Upper
113 100
111 102.5 82.7 124.1
192 17.9 14.3 21.5

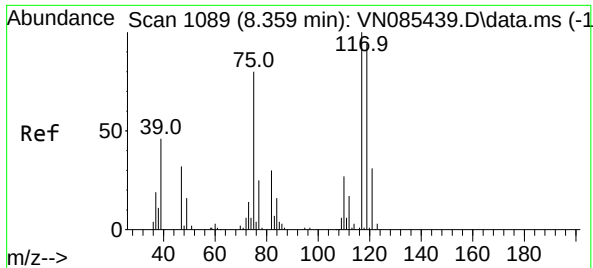


#36
1,1-Dichloropropene
Concen: 4.852 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24



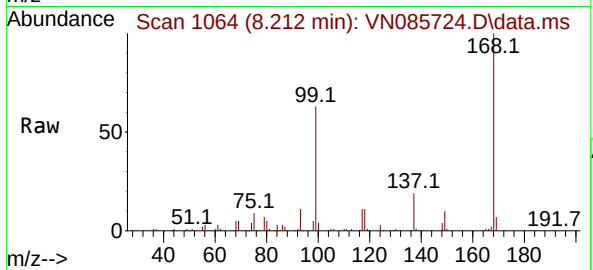
Tgt Ion: 75 Resp: 20975
Ion Ratio Lower Upper
75 100
110 9.8 16.5 49.5#
77 0.0 24.4 36.6#



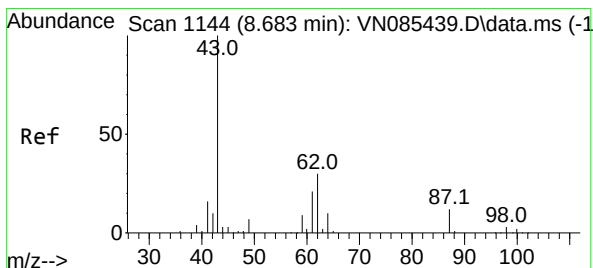
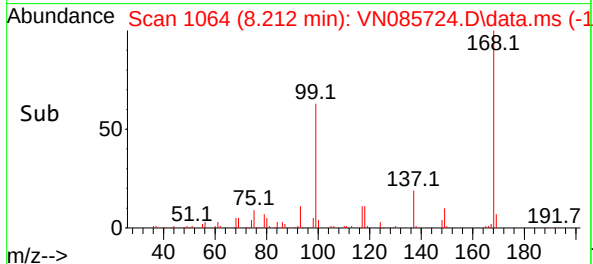
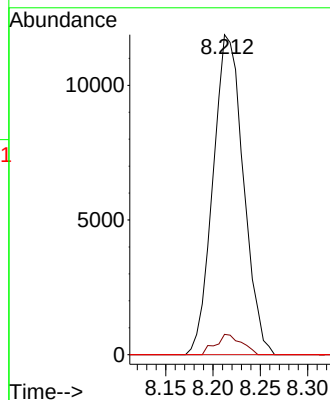


#38
Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 8.212 min Scan# 1138
Delta R.T. -0.147 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

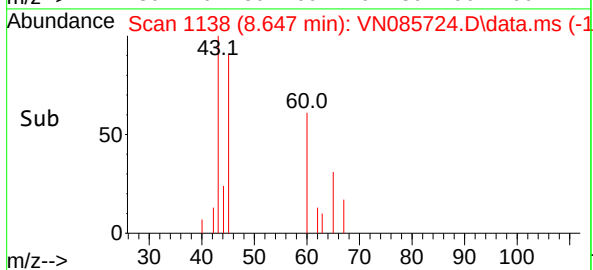
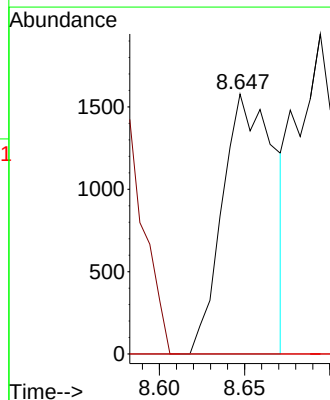
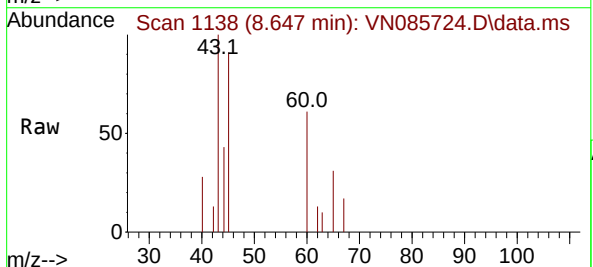


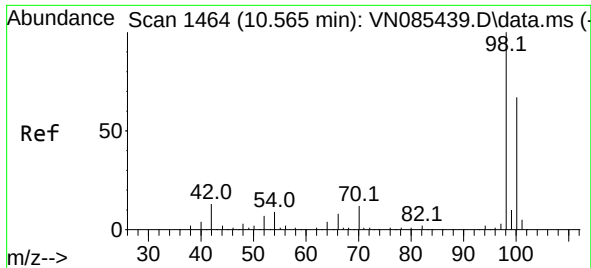
Tgt Ion:117 Resp: 26541
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.480 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.035 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

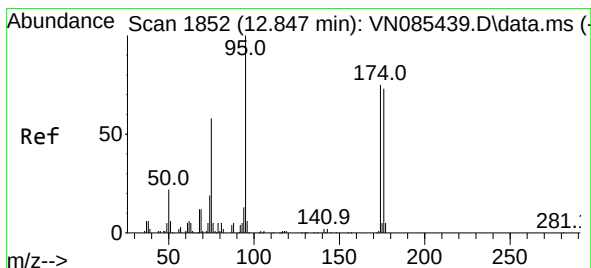
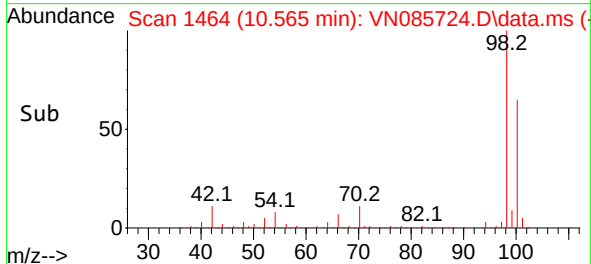
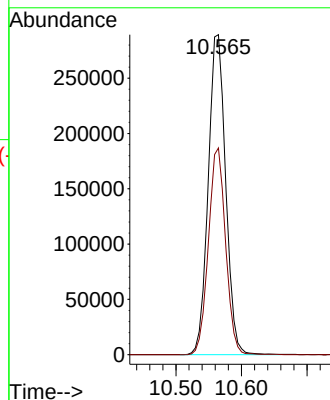
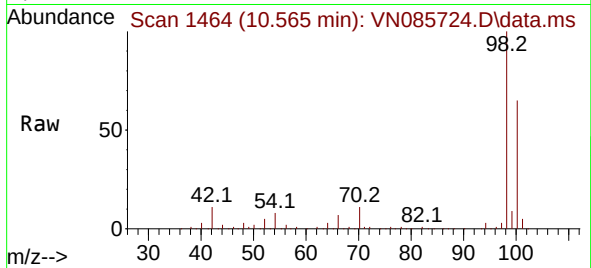




#50
Toluene-d8
Concen: 48.955 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

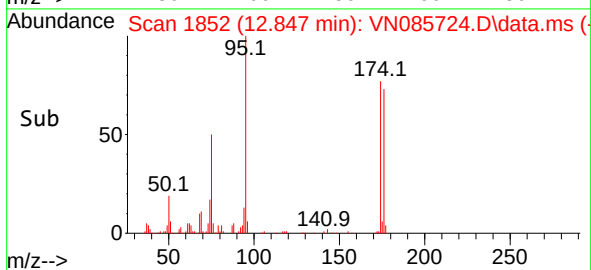
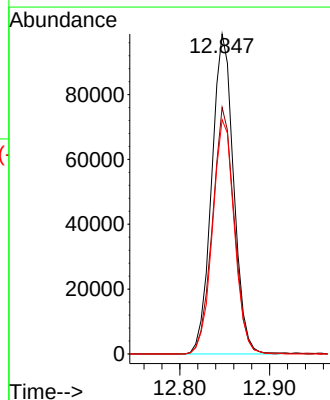
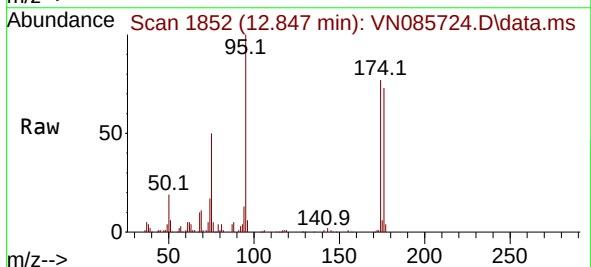
Instrument :
MSVOA_N
ClientSampleId :

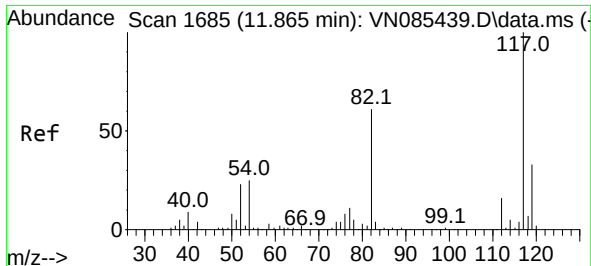
Tgt Ion: 98 Resp: 535756
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.679 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Tgt Ion: 95 Resp: 167259
Ion Ratio Lower Upper
95 100
174 76.6 0.0 145.0
176 72.9 0.0 142.4

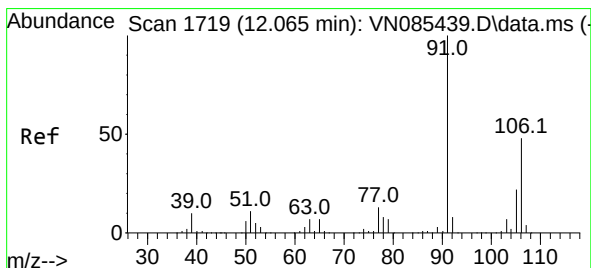
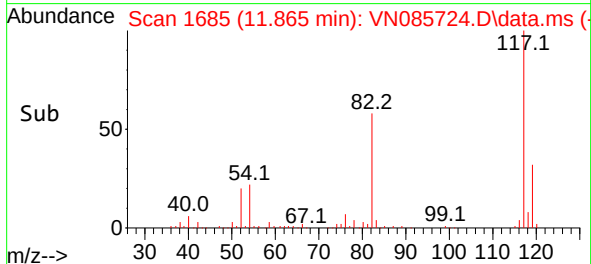
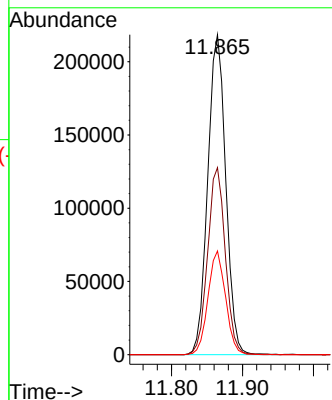
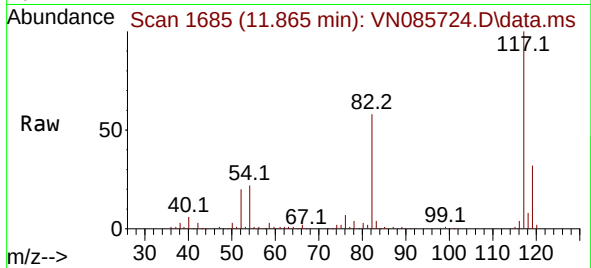




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

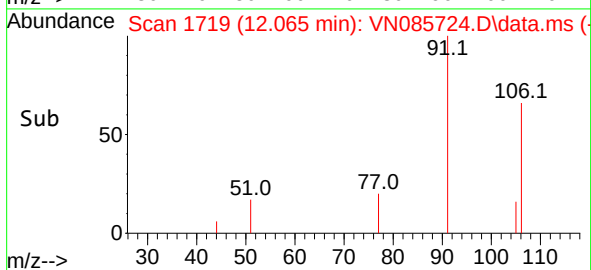
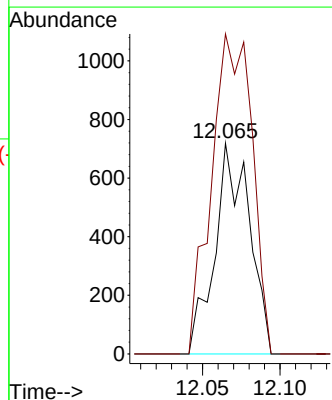
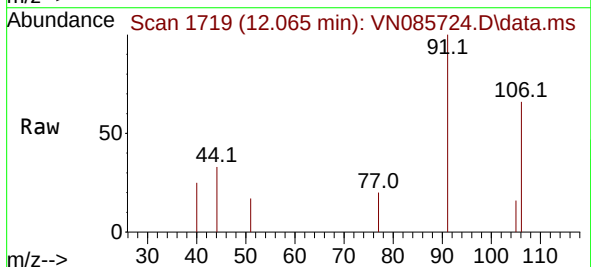
Instrument :
MSVOA_N
ClientSampleId :

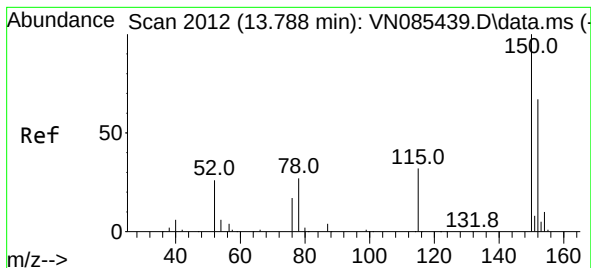
Tgt Ion:117 Resp: 385312
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 32.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Tgt Ion:106 Resp: 1114
Ion Ratio Lower Upper
106 100
91 179.3 167.7 251.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN085724.D

Acq: 10 Feb 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

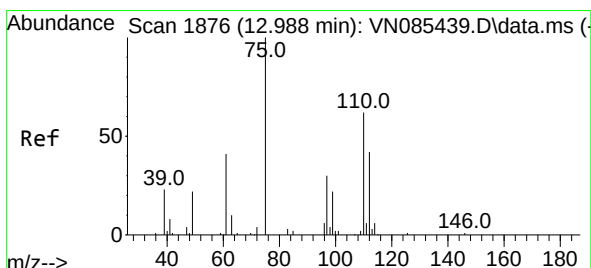
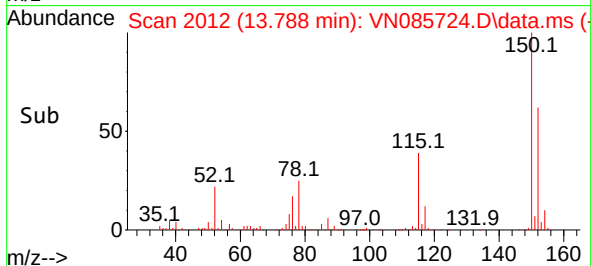
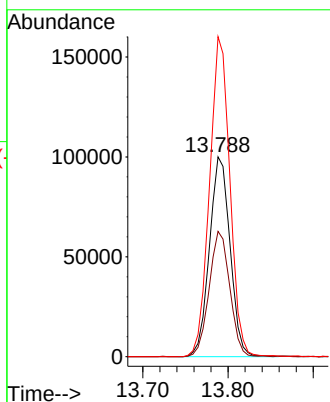
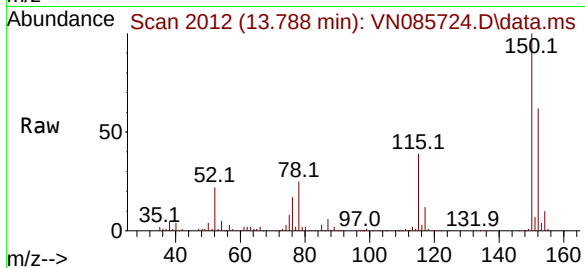
Tgt Ion:152 Resp: 168582

Ion Ratio Lower Upper

152 100

115 62.7 31.1 93.3

150 157.5 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 25.310 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085724.D

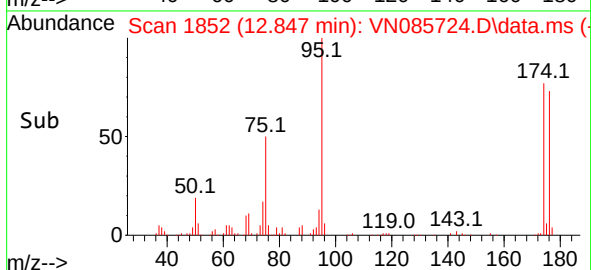
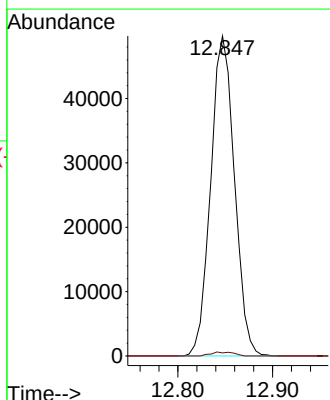
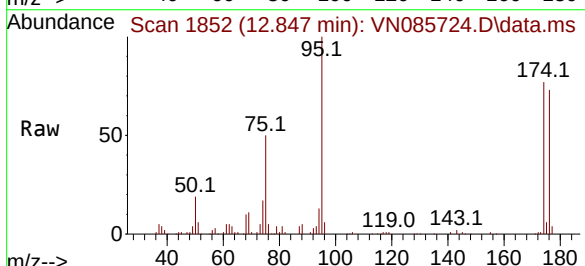
Acq: 10 Feb 2025 15:24

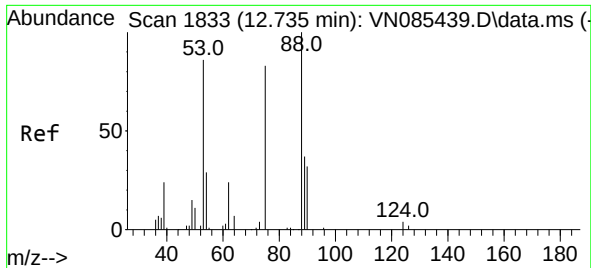
Tgt Ion: 75 Resp: 86724

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#

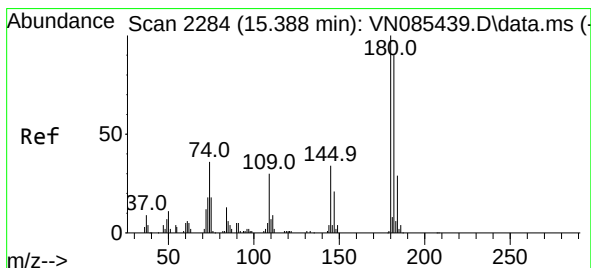
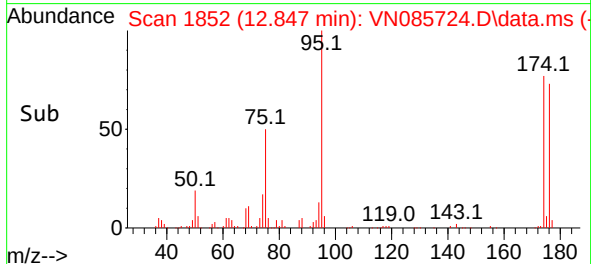
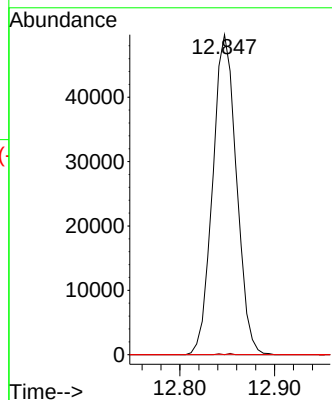
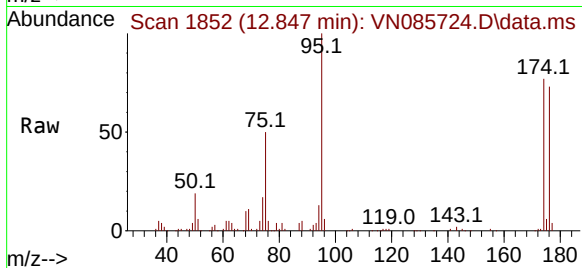




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.478 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085724.D
 Acq: 10 Feb 2025 15:24

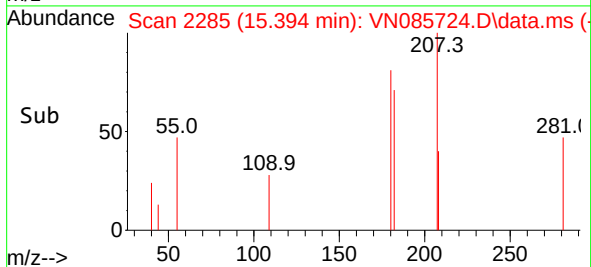
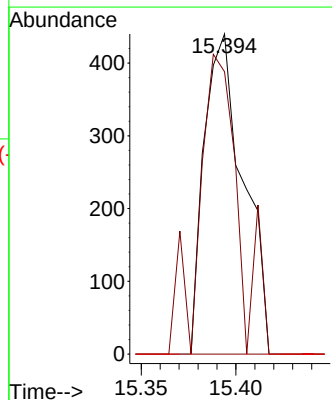
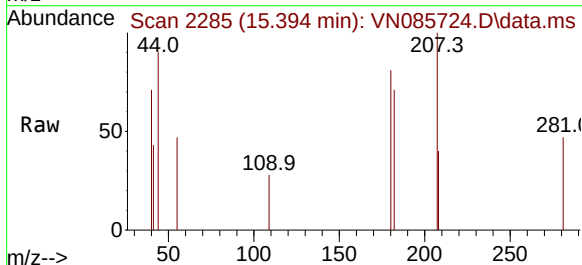
Instrument :
 MSVOA_N
 ClientSampleId :

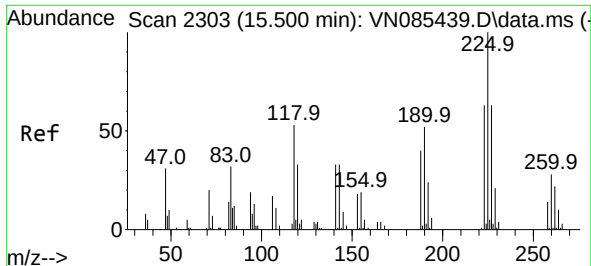
Tgt Ion: 75 Resp: 86724
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: VN085724.D
 Acq: 10 Feb 2025 15:24

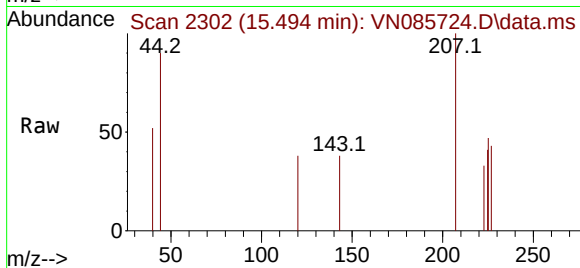
Tgt Ion:180 Resp: 634
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.8 140.3
 145 0.0 16.0 48.0#



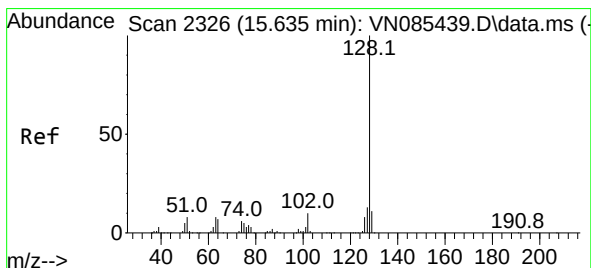
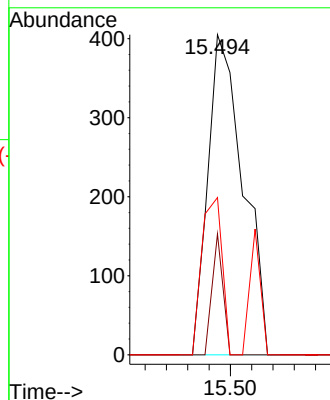
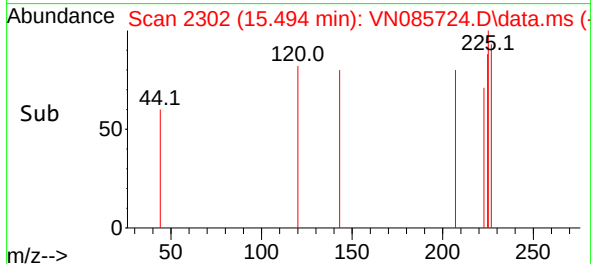


#94
Hexachlorobutadiene
Concen: 0.347 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

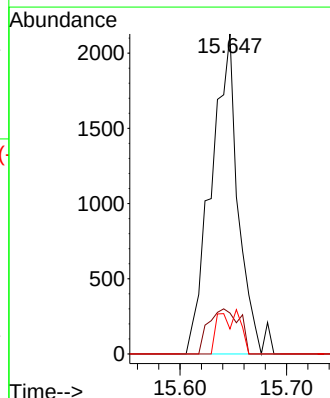
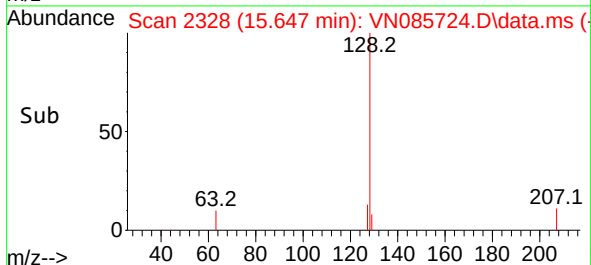
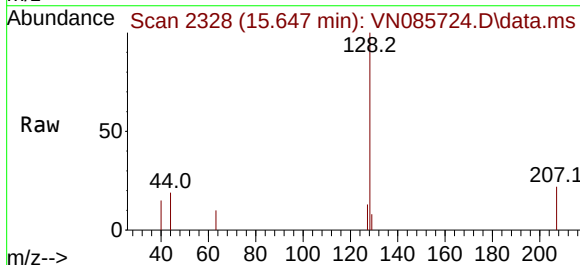


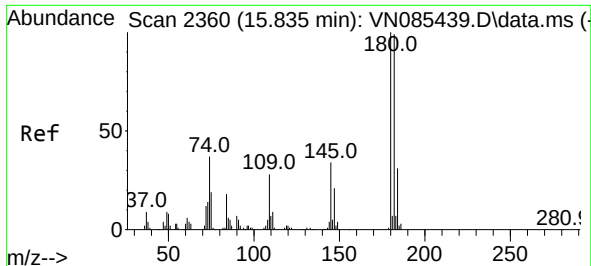
Tgt Ion:225 Resp: 467
Ion Ratio Lower Upper
225 100
223 11.6 30.7 92.1#
227 28.5 30.9 92.5#



#95
Naphthalene
Concen: 0.499 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085724.D
Acq: 10 Feb 2025 15:24

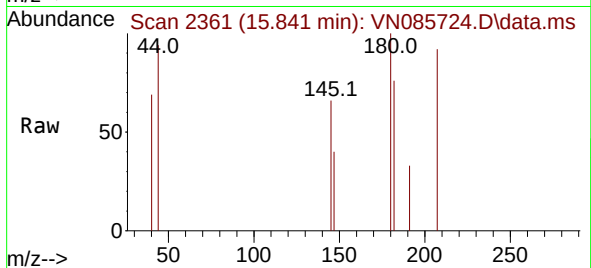
Tgt Ion:128 Resp: 3782
Ion Ratio Lower Upper
128 100
127 16.1 10.6 16.0#
129 10.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085724.D
 Acq: 10 Feb 2025 15:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	628
Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.2
145	32.5	16.9	50.7

