

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085945.D
 Acq On : 11 Mar 2025 20:41
 Operator : JC\MD
 Sample : Q1534-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-636-COMP-18

Quant Time: Mar 12 01:30:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

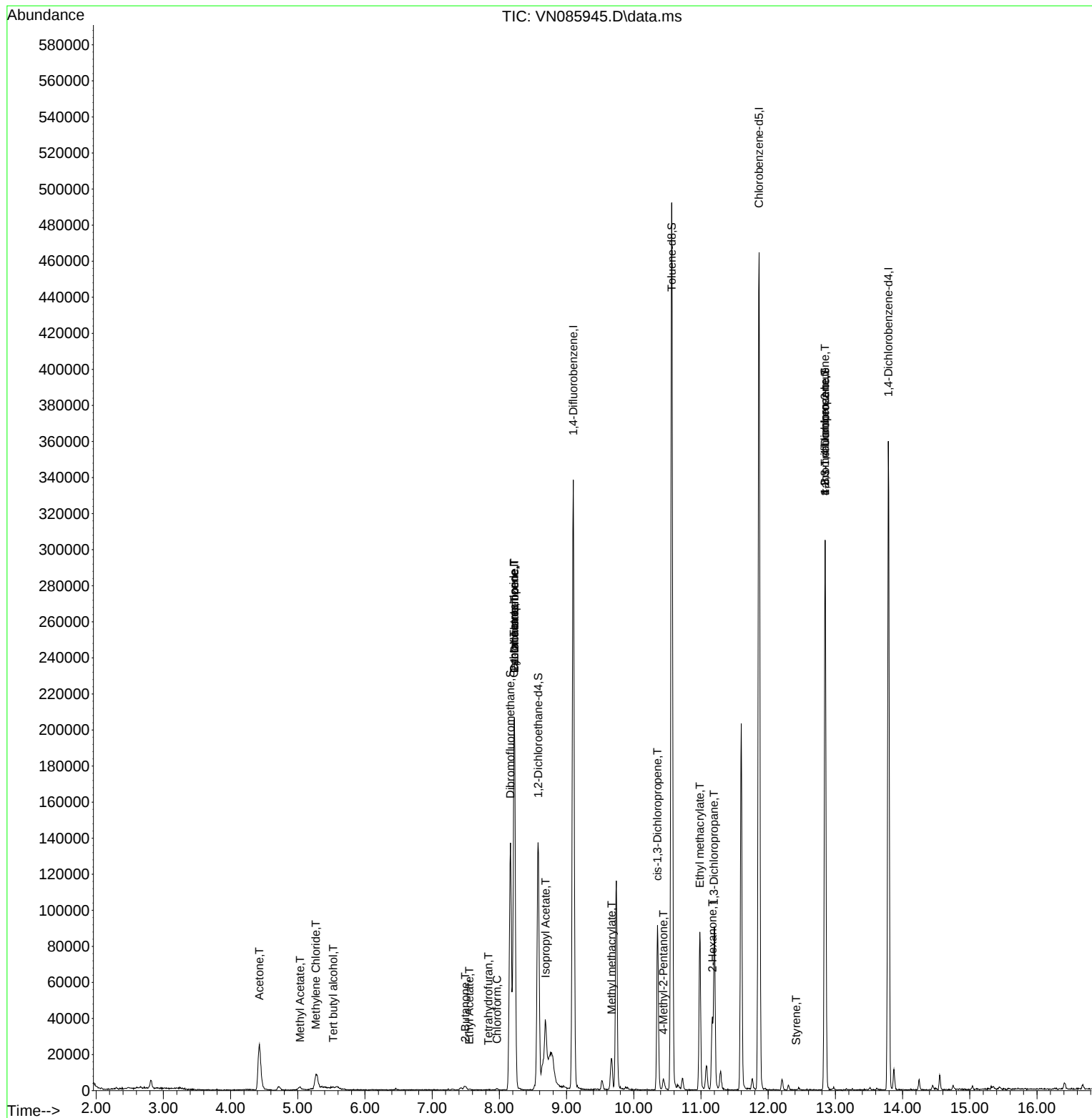
Internal Standards						
1) Pentafluorobenzene	8.224	168	146884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116439	61.145	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.300%	
35) Dibromofluoromethane	8.165	113	96611	51.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.260%	
50) Toluene-d8	10.565	98	346942	50.964	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.847	95	107473	47.916	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	832	3.552	ug/l #	72
16) Acetone	4.430	43	47907	79.506	ug/l	96
18) Methyl Acetate	5.036	43	3510	1.694	ug/l #	76
20) Methylene Chloride	5.271	84	6948	3.586	ug/l #	93
25) 2-Butanone	7.494	43	4345	4.901	ug/l	89
29) Tetrahydrofuran	7.836	42	120	0.210	ug/l #	29
30) Chloroform	7.965	83	877	0.258	ug/l	97
31) Cyclohexane	8.224	56	2853	1.049	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12244	4.624	ug/l #	50
37) Ethyl Acetate	7.553	43	776	0.356	ug/l #	66
38) Carbon Tetrachloride	8.218	117	16294	5.178	ug/l #	17
43) Isopropyl Acetate	8.688	43	53550	13.604	ug/l #	72
48) Methyl methacrylate	9.671	41	1284	0.793	ug/l #	34
51) 4-Methyl-2-Pentanone	10.441	43	5514	2.624	ug/l #	75
54) cis-1,3-Dichloropropene	10.353	75	16169	5.158	ug/l #	73
56) Ethyl methacrylate	10.982	69	844	0.791	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	793	0.240	ug/l #	42
59) 2-Hexanone	11.171	43	42169	29.174	ug/l #	21
70) Styrene	12.418	104	151	0.609	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	55085	25.109	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55085	73.261	ug/l #	13

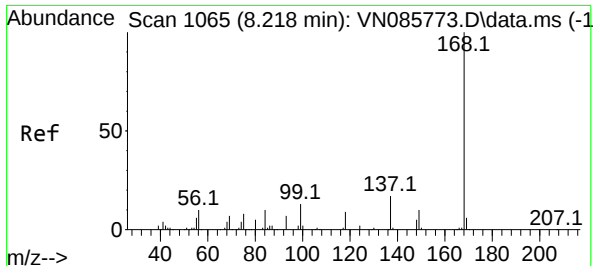
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085945.D
Acq On : 11 Mar 2025 20:41
Operator : JC\MD
Sample : Q1534-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

Quant Time: Mar 12 01:30:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

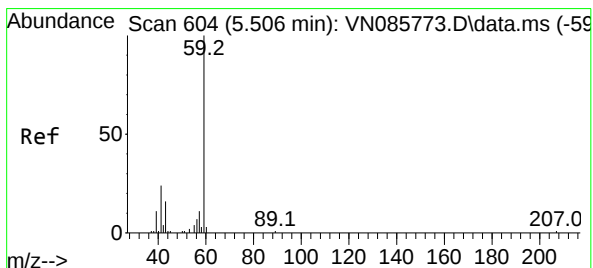
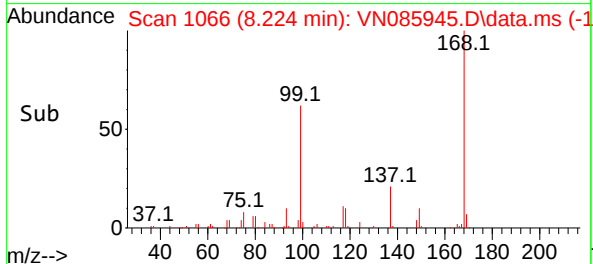
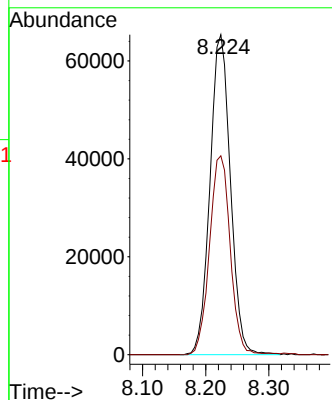
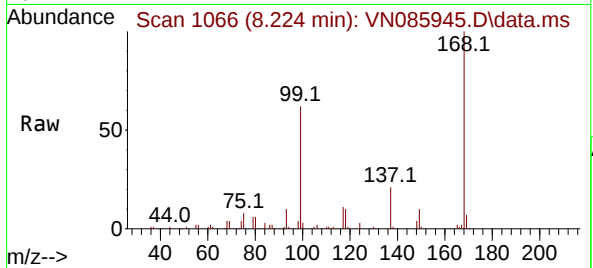




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

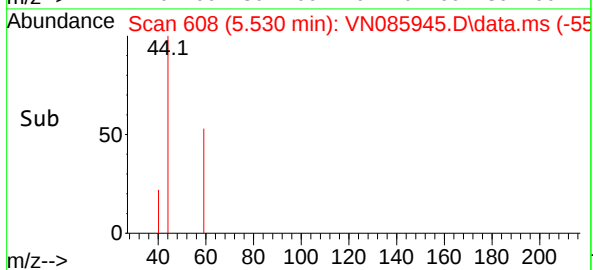
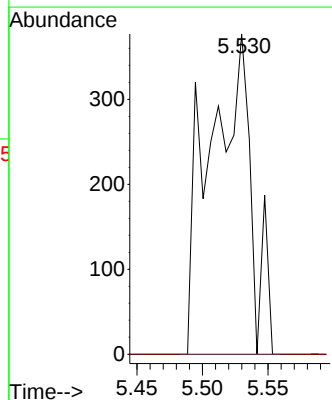
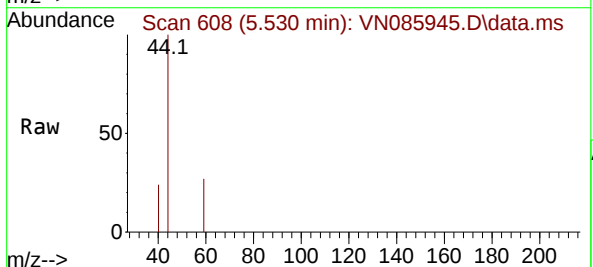
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

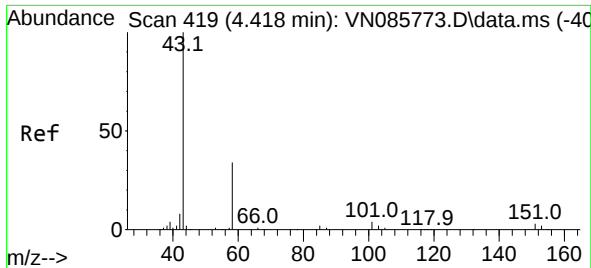
Tgt Ion:168 Resp: 146884
Ion Ratio Lower Upper
168 100
99 62.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 3.552 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.024 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 59 Resp: 832
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

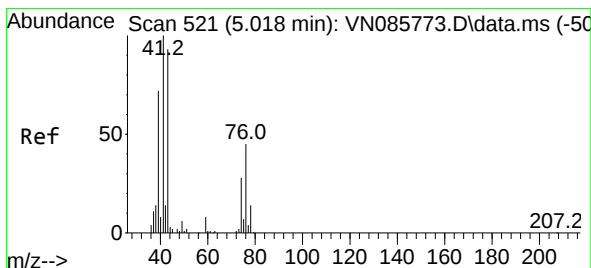
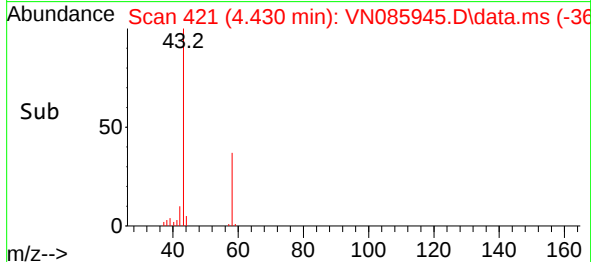
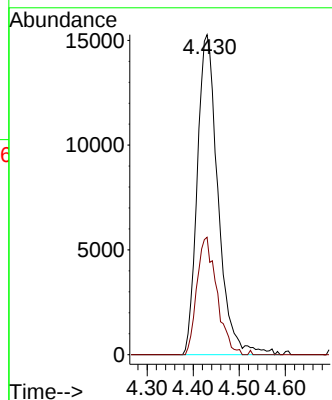
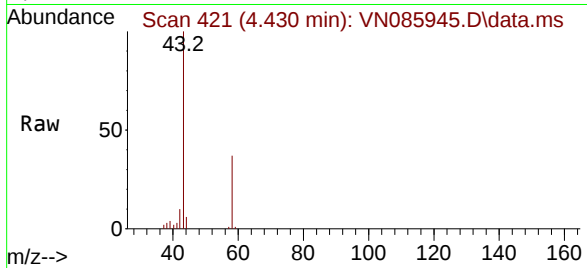




#16
Acetone
Concen: 79.506 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

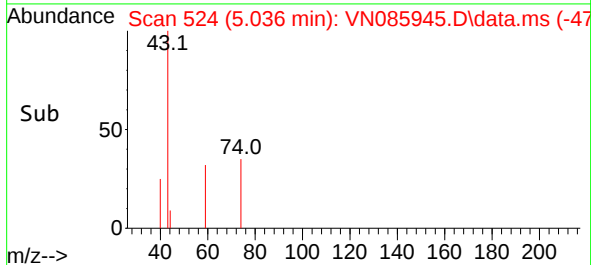
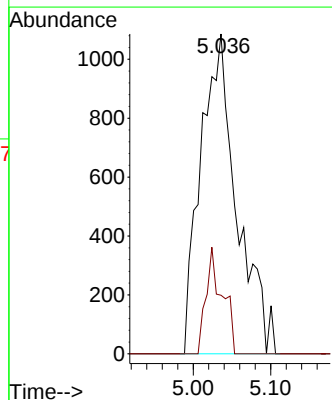
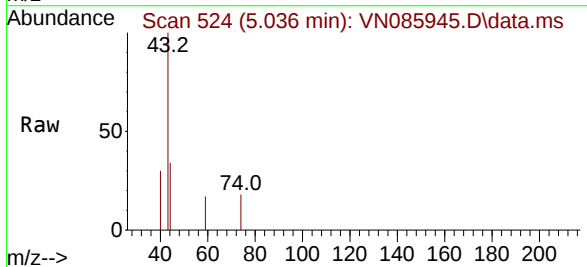
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

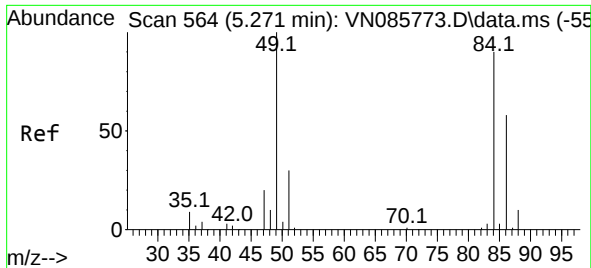
Tgt Ion: 43 Resp: 47907
Ion Ratio Lower Upper
43 100
58 36.7 27.5 41.3



#18
Methyl Acetate
Concen: 1.694 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
74 15.1 22.2 33.4#

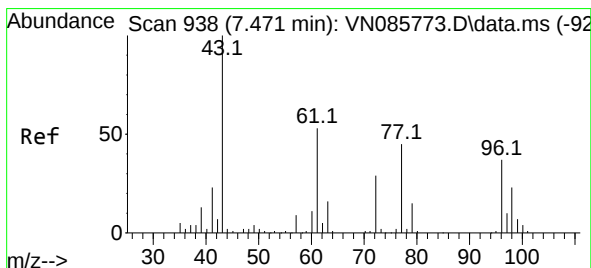
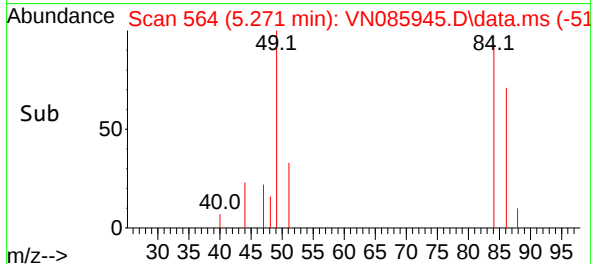
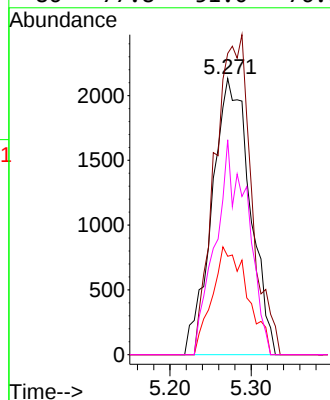
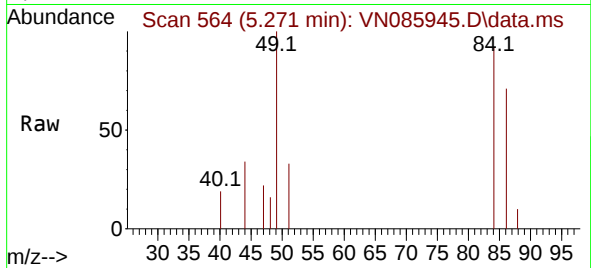




#20
Methylene Chloride
Concen: 3.586 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

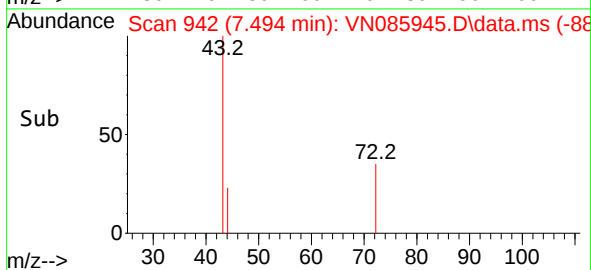
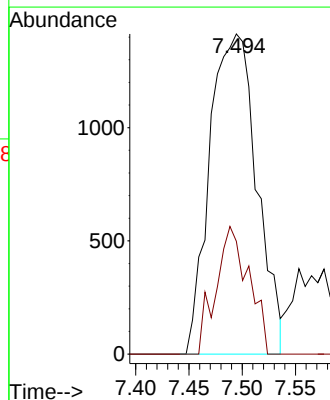
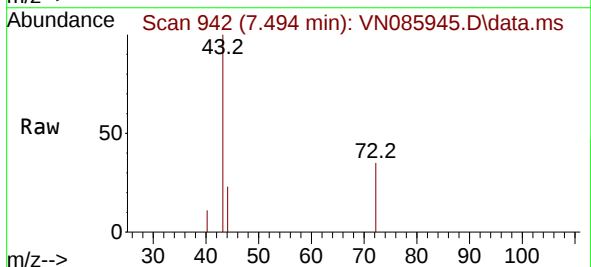
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

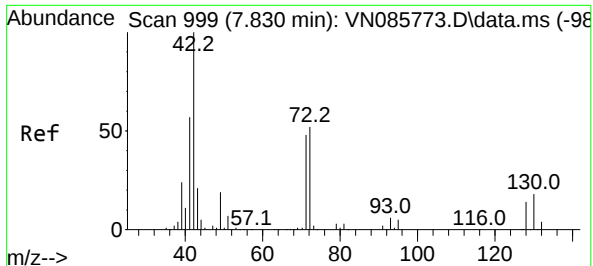
Tgt Ion: 84	Resp: 6948
Ion Ratio	Lower Upper
84 100	
49 109.1	88.4 132.6
51 35.6	26.6 40.0
86 77.8	51.0 76.6#



#25
2-Butanone
Concen: 4.901 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.024 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 43	Resp: 4345
Ion Ratio	Lower Upper
43 100	
72 35.2	23.6 35.4





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-18

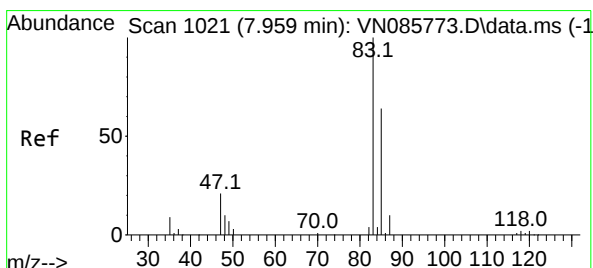
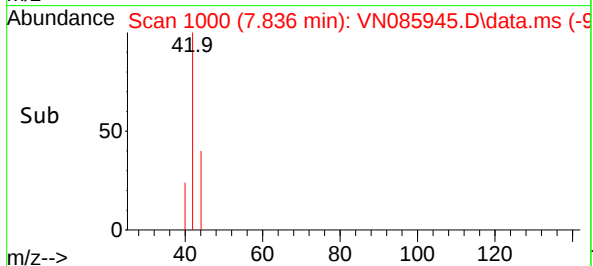
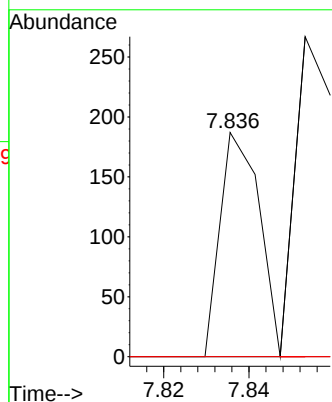
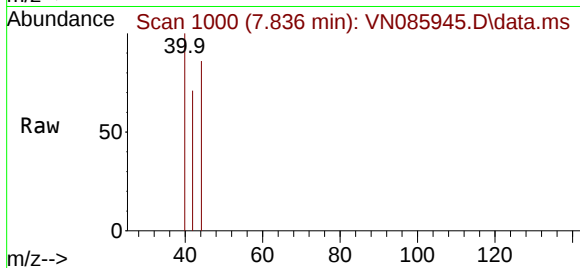
Tgt Ion: 42 Resp: 120

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#30

Chloroform

Concen: 0.258 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085945.D

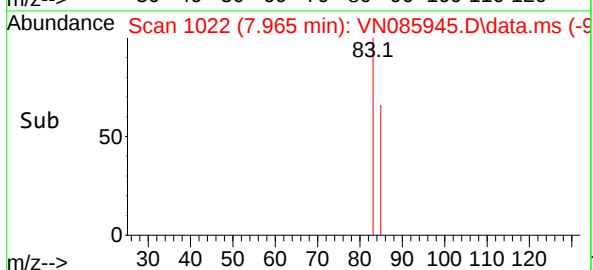
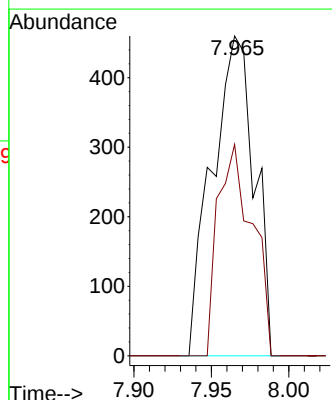
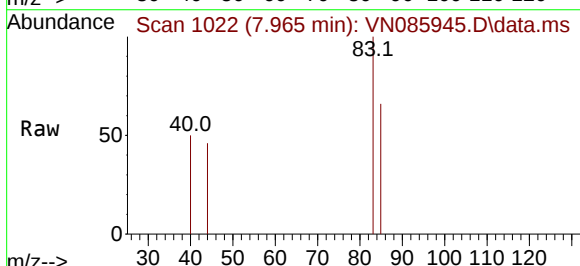
Acq: 11 Mar 2025 20:41

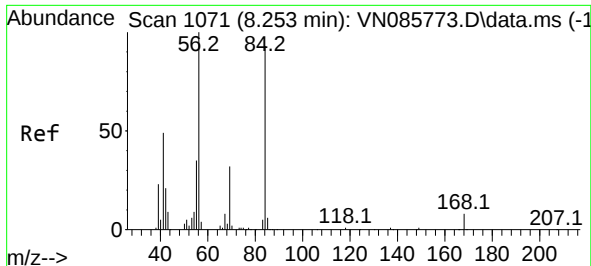
Tgt Ion: 83 Resp: 877

Ion Ratio Lower Upper

83 100

85 66.1 50.9 76.3

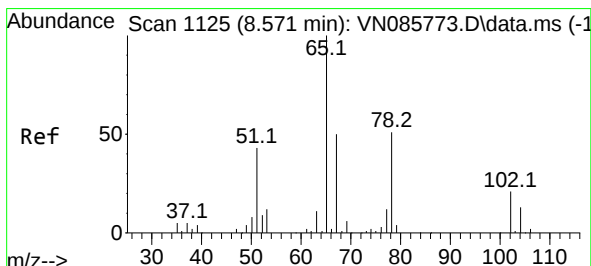
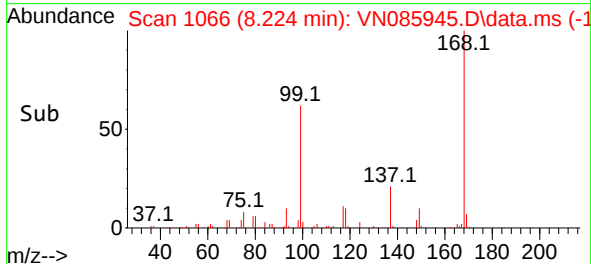
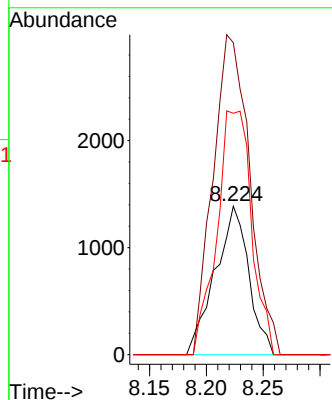
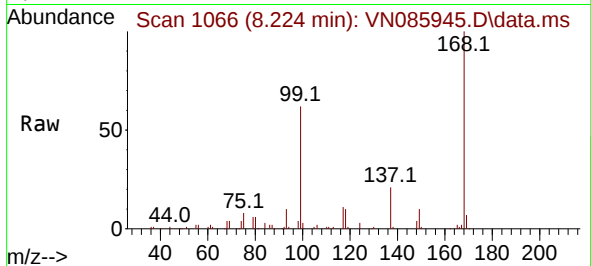




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

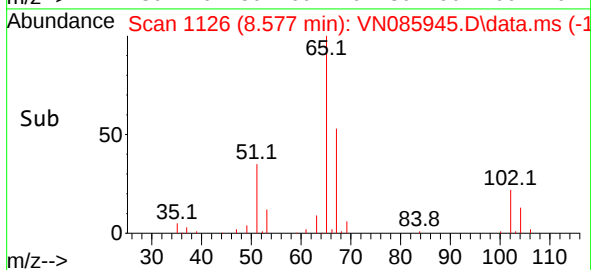
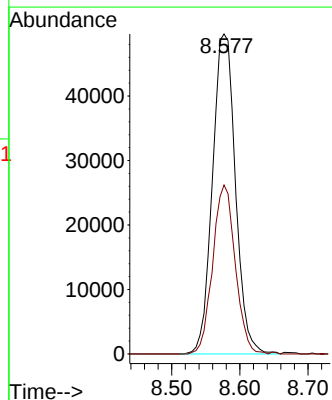
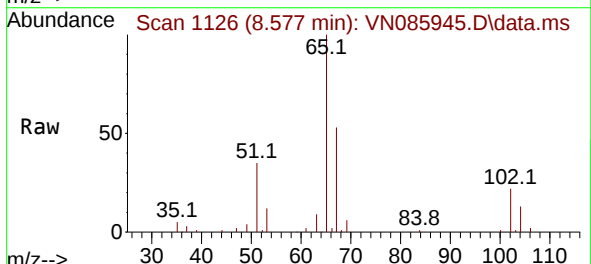
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

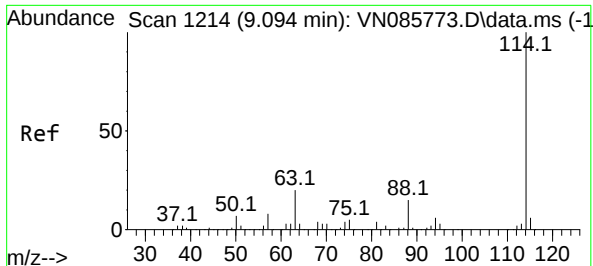
Tgt Ion: 56 Resp: 2853
Ion Ratio Lower Upper
56 100
69 210.2 25.8 38.6#
84 162.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 61.145 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 65 Resp: 116439
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-18

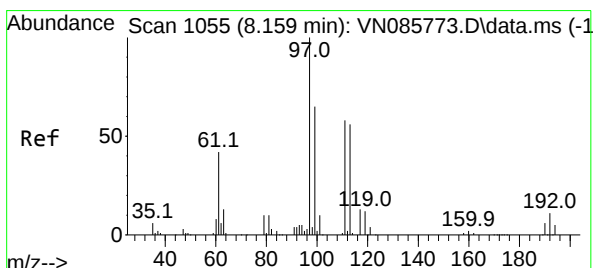
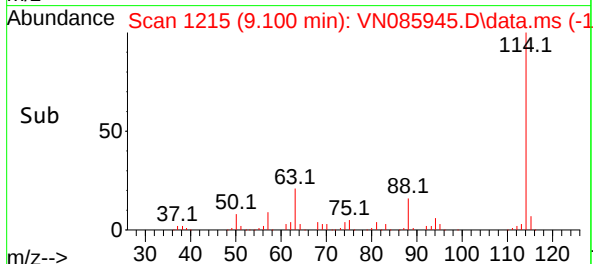
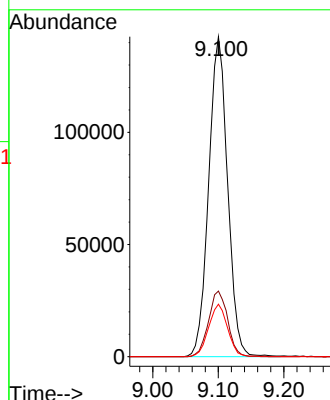
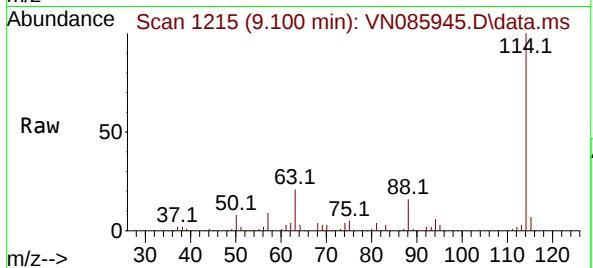
Tgt Ion:114 Resp: 285947

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

88 16.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.633 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

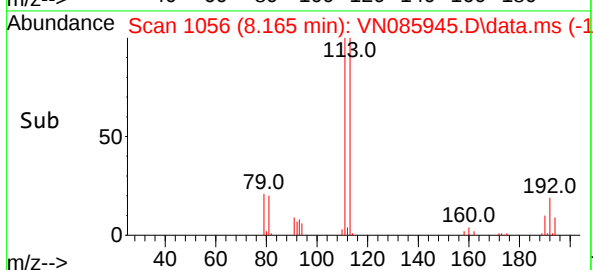
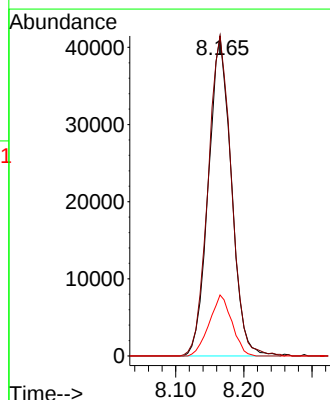
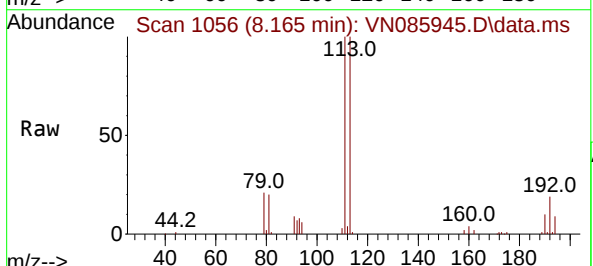
Tgt Ion:113 Resp: 96611

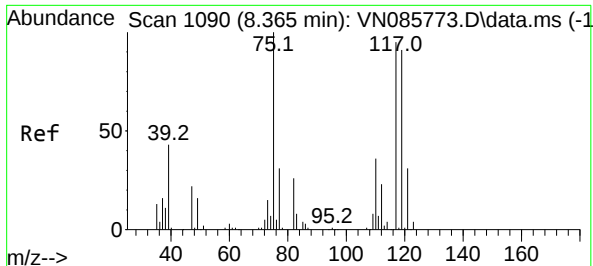
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 18.8 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-18

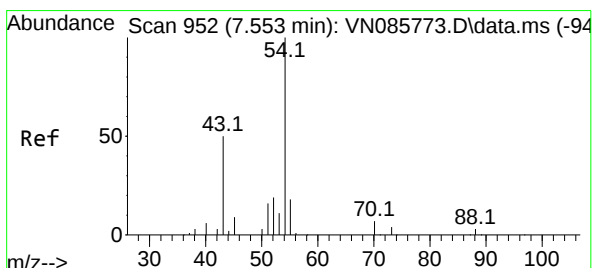
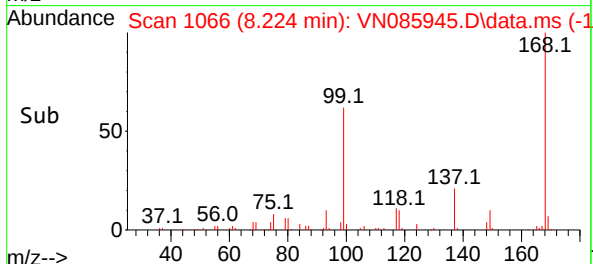
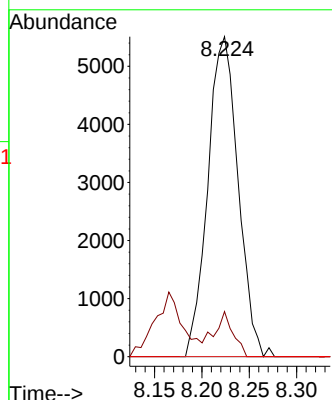
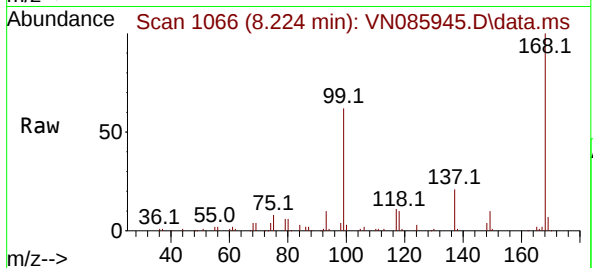
Tgt Ion: 75 Resp: 12244

Ion Ratio Lower Upper

75 100

110 8.8 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.356 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

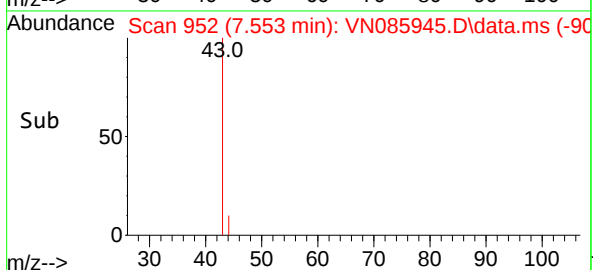
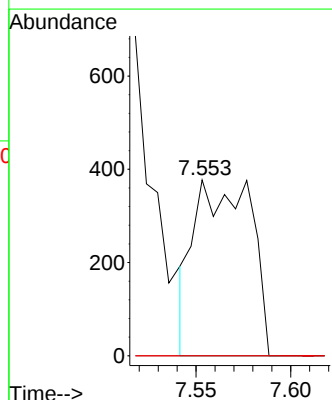
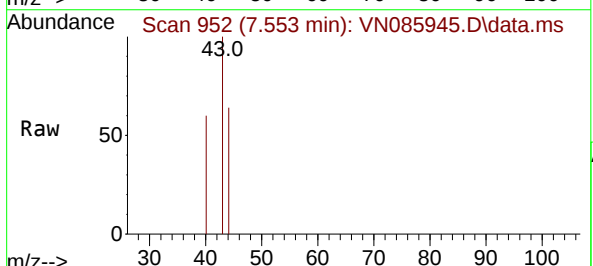
Tgt Ion: 43 Resp: 776

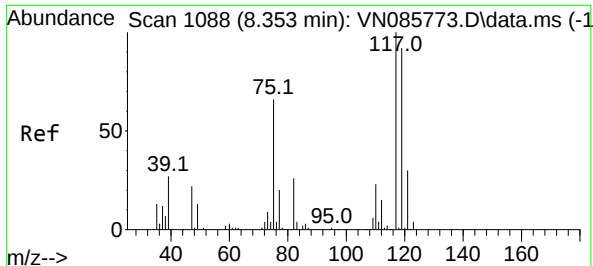
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

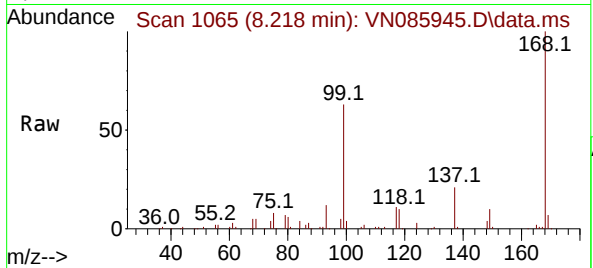
70 0.0 9.5 14.3#



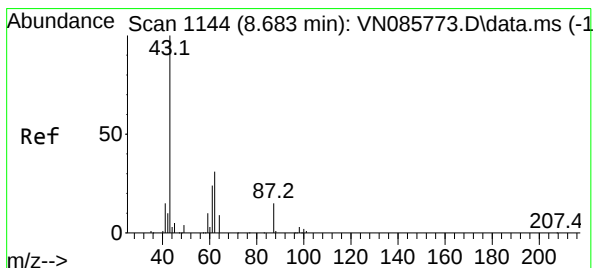
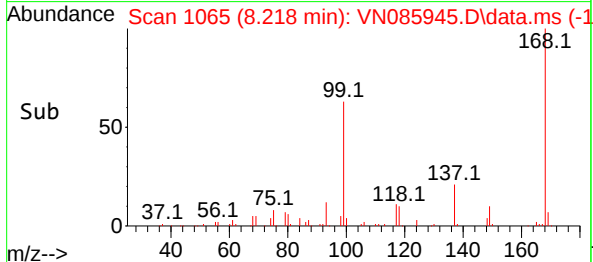
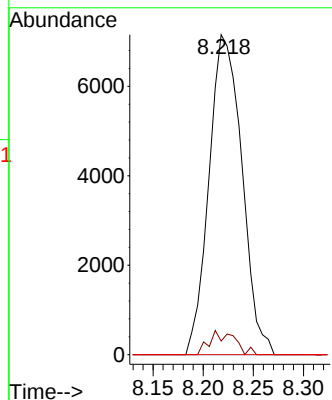


#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

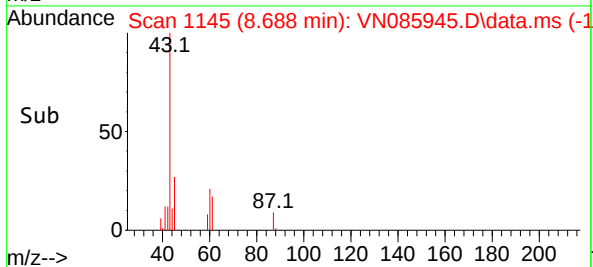
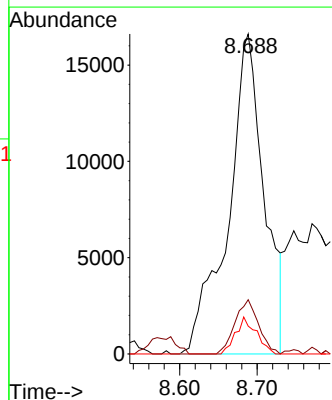
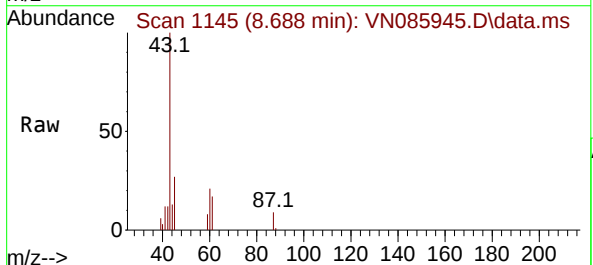


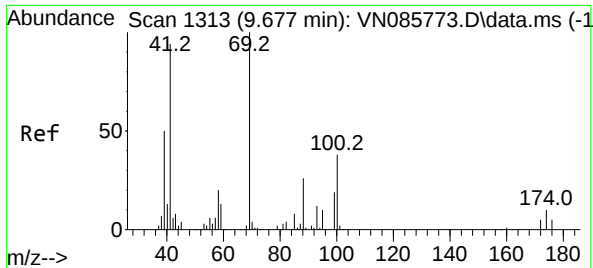
Tgt Ion:117 Resp: 16294
Ion Ratio Lower Upper
117 100
119 4.2 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 13.604 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 43 Resp: 53550
Ion Ratio Lower Upper
43 100
61 11.2 22.6 34.0#
87 6.6 11.8 17.8#

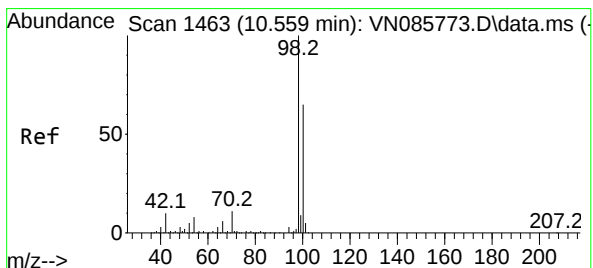
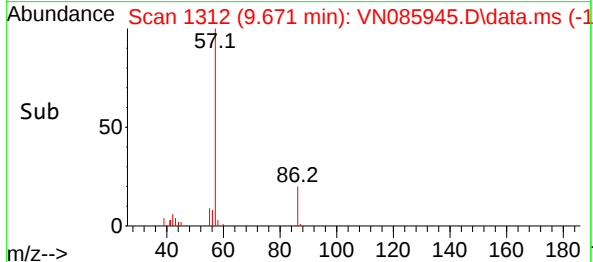
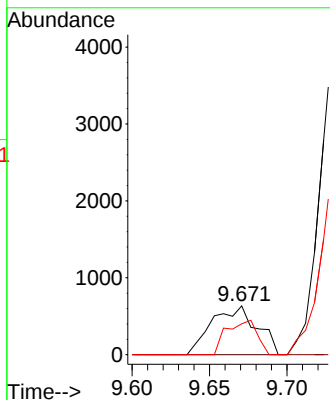
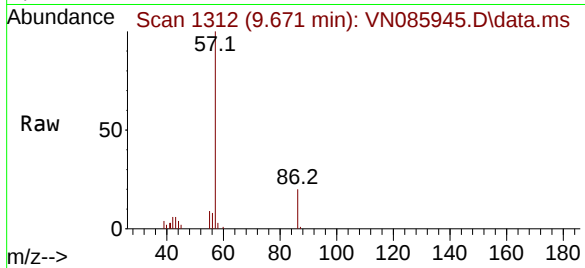




#48
Methyl methacrylate
Concen: 0.793 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

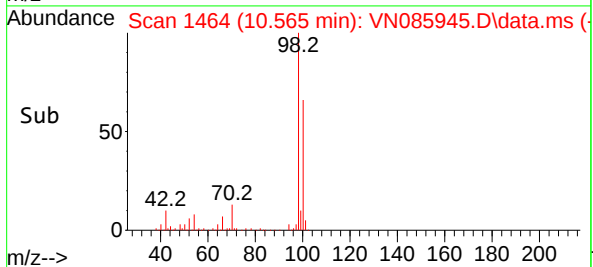
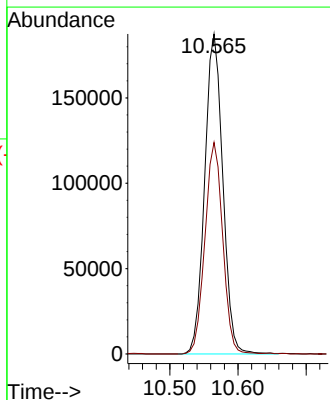
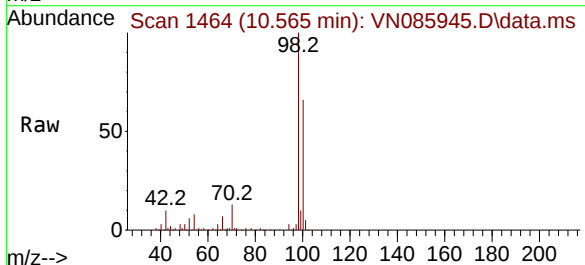
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

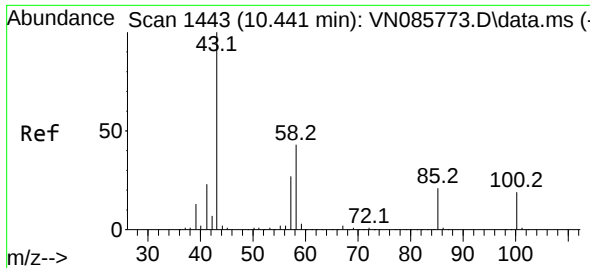
Tgt Ion: 41 Resp: 1284
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 47.4 42.3 63.5



#50
Toluene-d8
Concen: 50.964 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 98 Resp: 346942
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

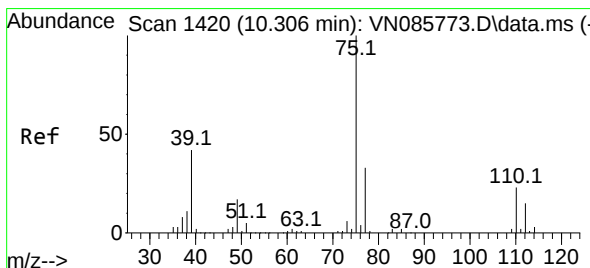
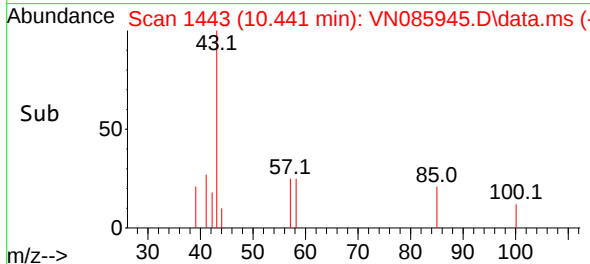
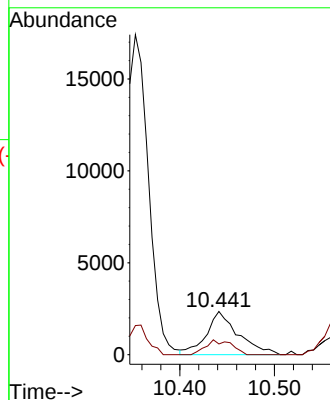
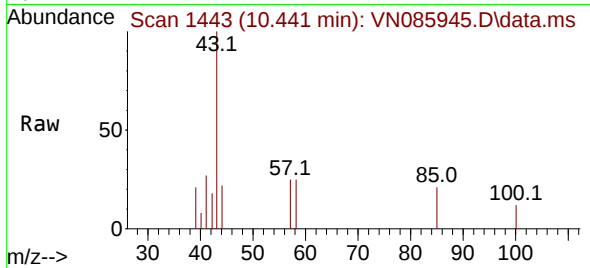




#51
4-Methyl-2-Pentanone
Concen: 2.624 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

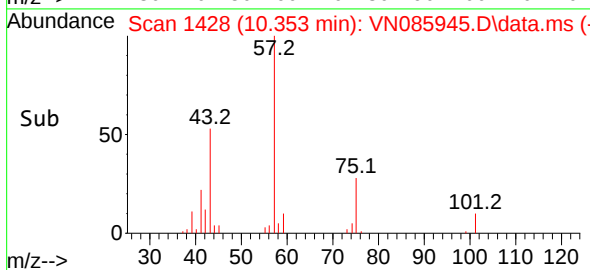
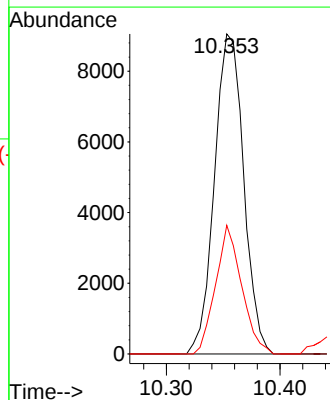
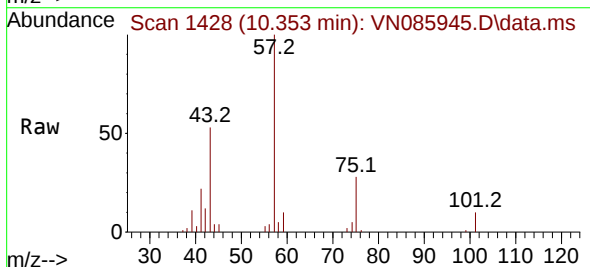
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

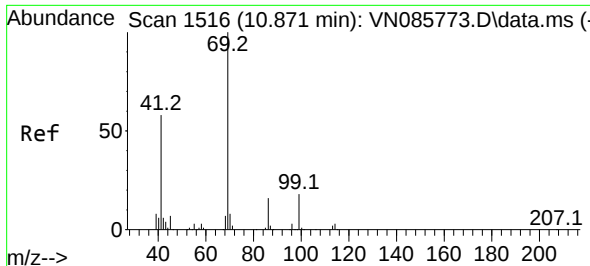
Tgt Ion: 43 Resp: 5514
Ion Ratio Lower Upper
43 100
58 27.5 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 5.158 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 75 Resp: 16169
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 40.2 33.4 50.0

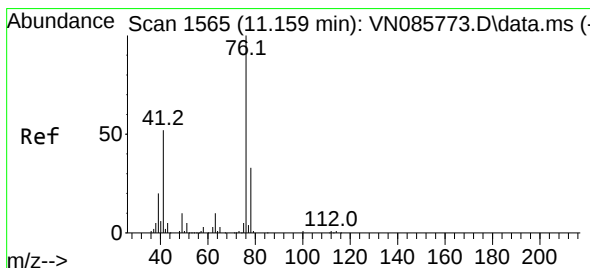
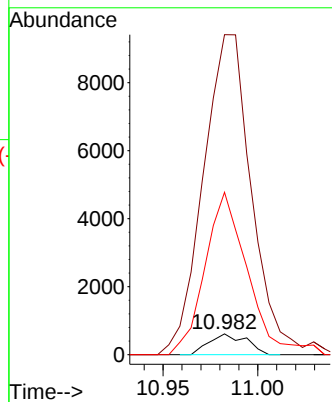
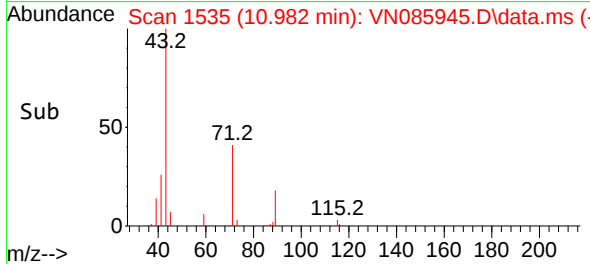
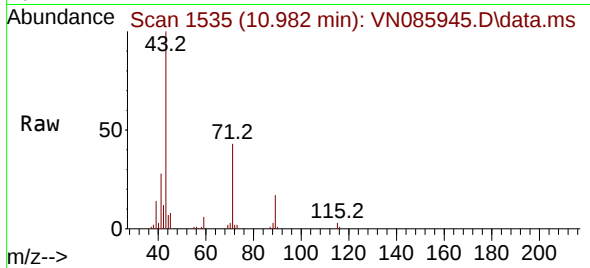




#56
Ethyl methacrylate
Concen: 0.791 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

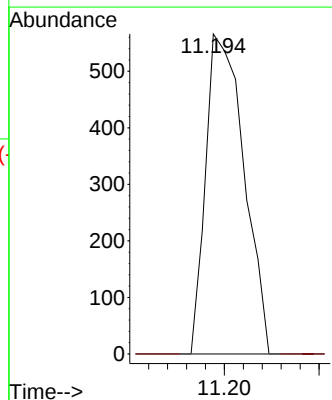
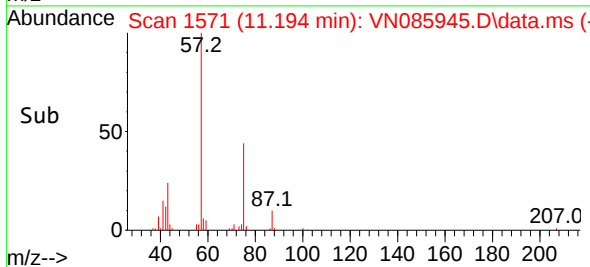
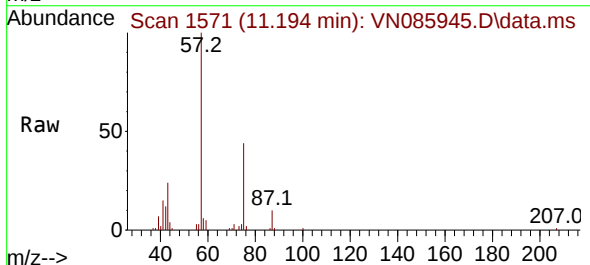
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

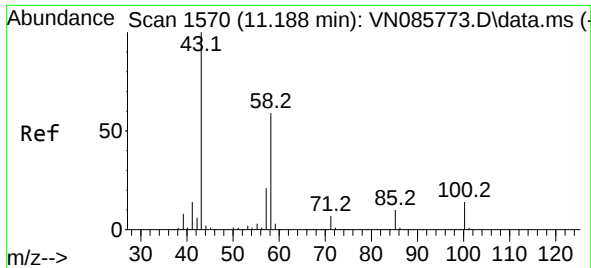
Tgt Ion: 69 Resp: 844
Ion Ratio Lower Upper
69 100
41 1993.8 46.0 69.0#
39 890.2 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 0.240 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 76 Resp: 793
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

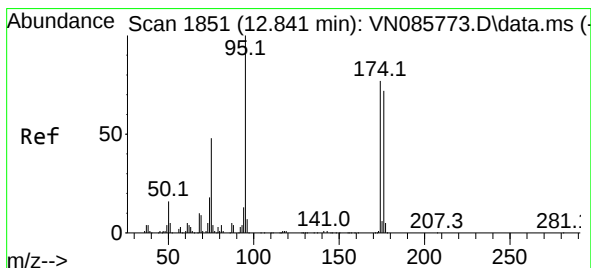
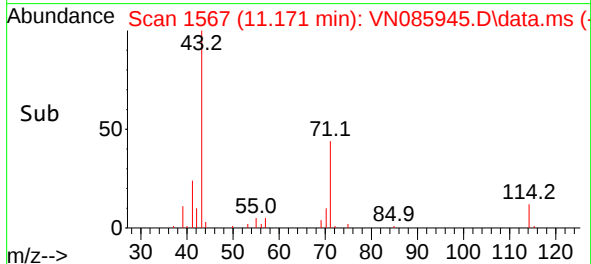
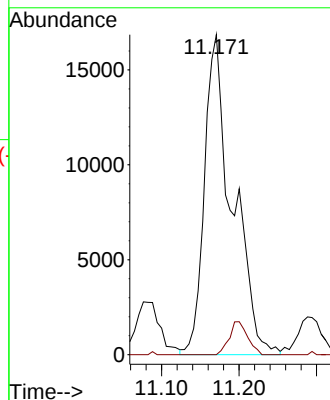
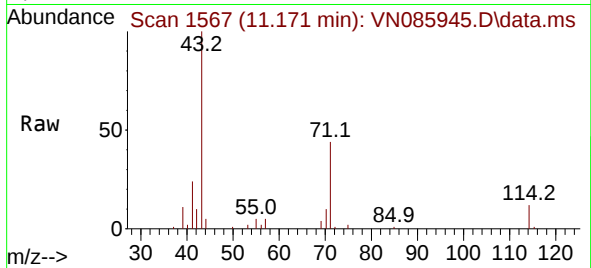




#59
2-Hexanone
Concen: 29.174 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

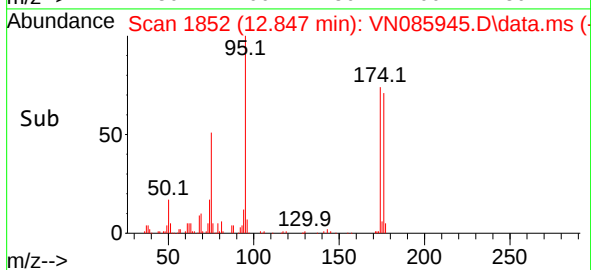
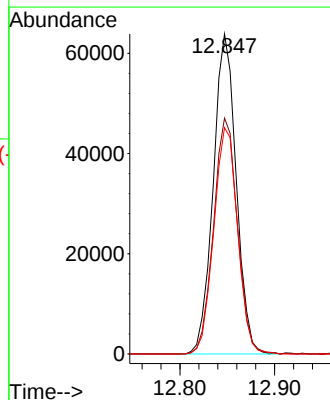
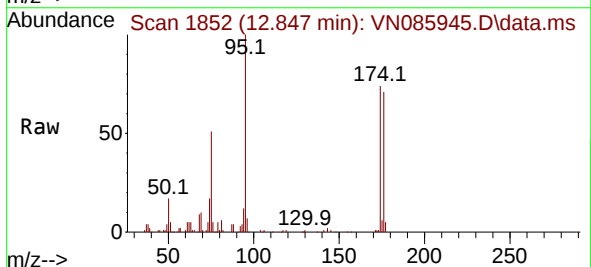
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

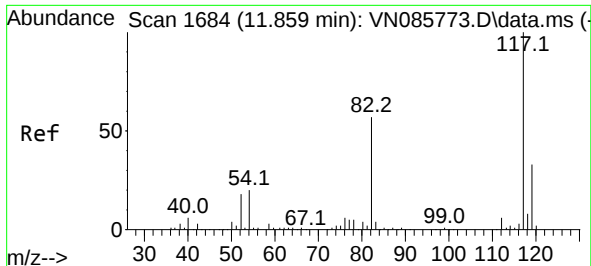
Tgt Ion: 43 Resp: 42169
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion: 95 Resp: 107473
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.4
176 73.4 0.0 146.6

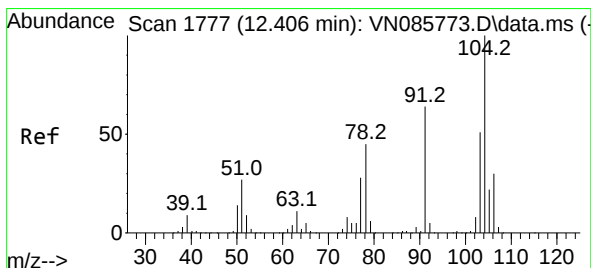
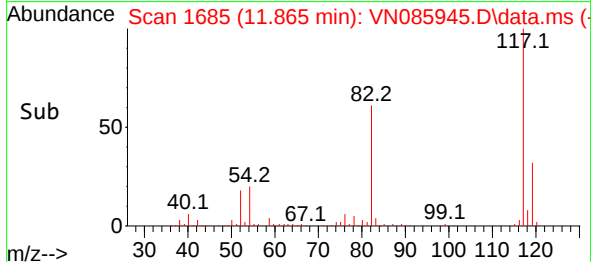
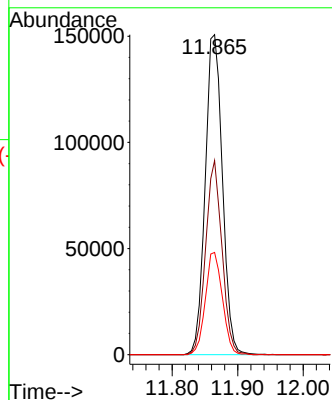
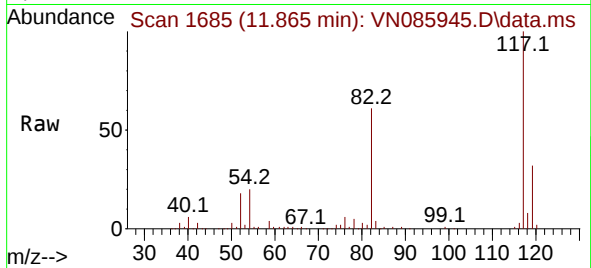




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

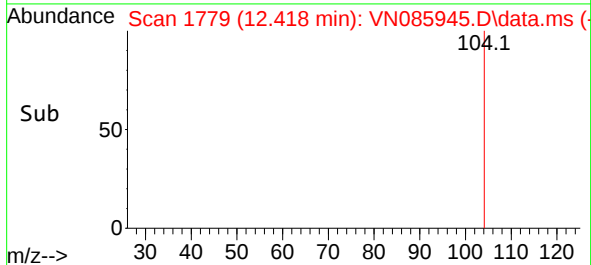
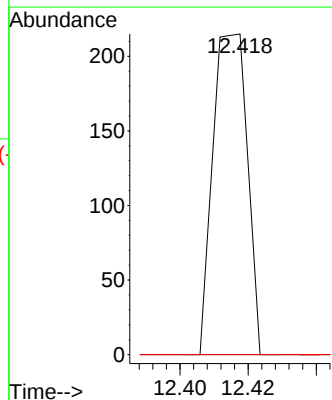
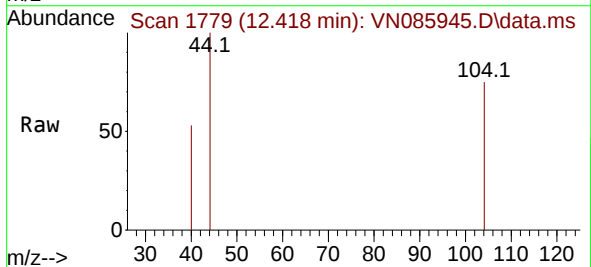
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18

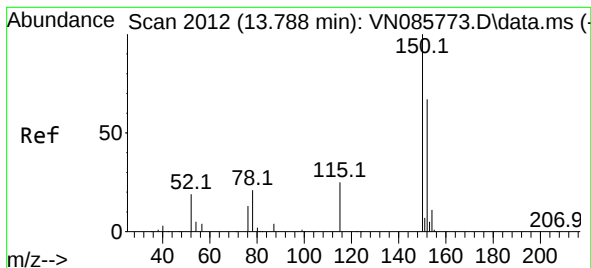
Tgt Ion:117 Resp: 275706
Ion Ratio Lower Upper
117 100
82 60.7 45.7 68.5
119 32.0 26.2 39.2



#70
Styrene
Concen: 0.609 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.012 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Tgt Ion:104 Resp: 151
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085945.D

Acq: 11 Mar 2025 20:41

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-18

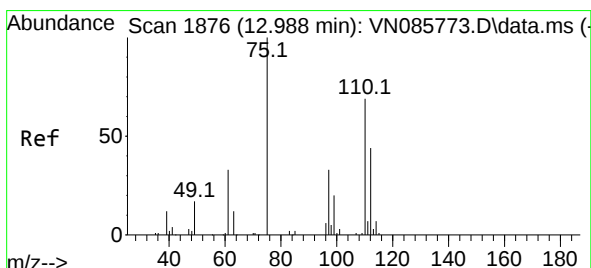
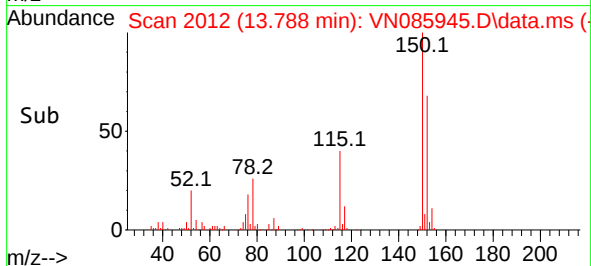
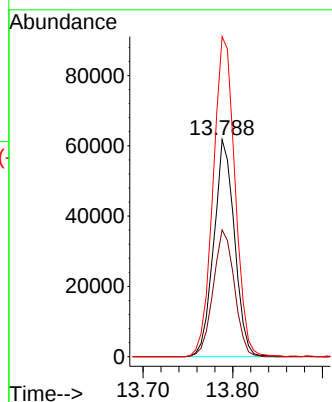
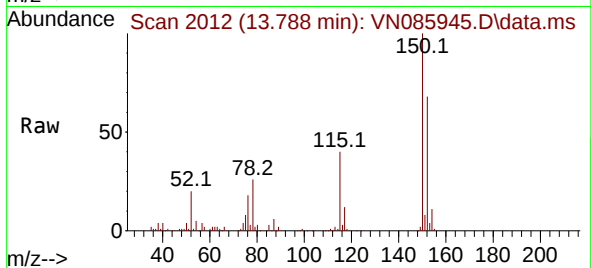
Tgt Ion:152 Resp: 98763

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.3

150 156.1 0.0 345.4



#76

1,2,3-Trichloropropane

Concen: 25.109 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085945.D

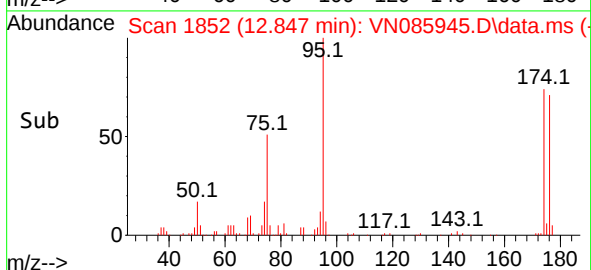
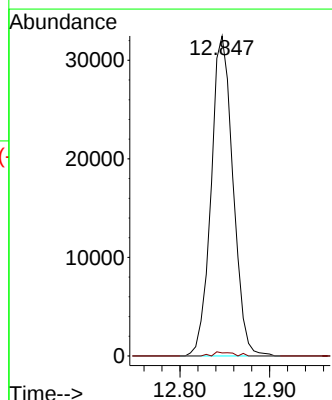
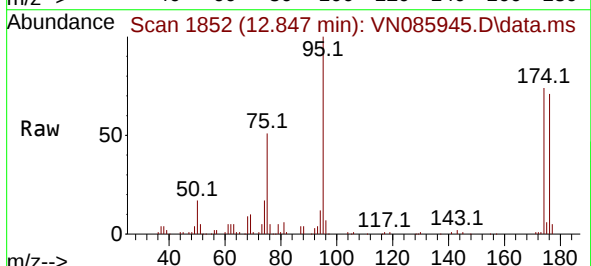
Acq: 11 Mar 2025 20:41

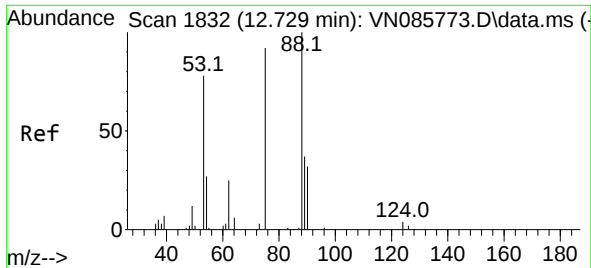
Tgt Ion: 75 Resp: 55085

Ion Ratio Lower Upper

75 100

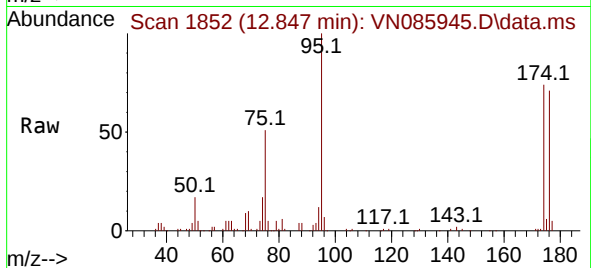
77 1.1 100.0 300.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.261 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085945.D
Acq: 11 Mar 2025 20:41

Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-18



Tgt Ion: 75 Resp: 55085
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

