

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087193.D
 Acq On : 26 Jun 2025 14:29
 Operator : JC\MD
 Sample : Q2399-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

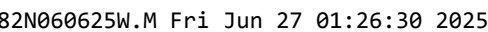
Instrument :
 MSVOA_N
 ClientSampleId :
 EP-7

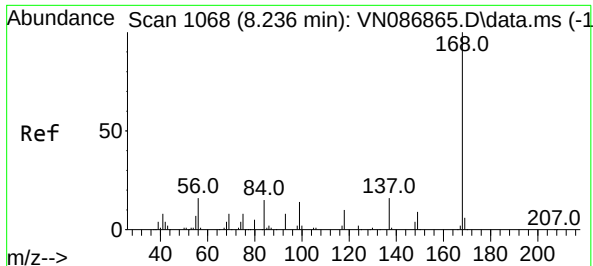
Quant Time: Jun 27 01:26:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	155998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	294245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	125932	60.294	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.580%		
35) Dibromofluoromethane	8.171	113	96622	55.410	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.820%		
50) Toluene-d8	10.565	98	401235	58.124	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 116.240%#		
62) 4-Bromofluorobenzene	12.847	95	137082	53.449	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.900%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	135	0.238	ug/l #	73
16) Acetone	4.448	43	39466	35.631	ug/l	99
18) Methyl Acetate	5.047	43	25790	7.990	ug/l	95
20) Methylene Chloride	5.295	84	7280	3.511	ug/l	88
25) 2-Butanone	7.494	43	5491	3.050	ug/l	98
29) Tetrahydrofuran	7.859	42	670	0.571	ug/l #	44
31) Cyclohexane	8.230	56	3743	1.105	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	13039	5.018	ug/l #	48
37) Ethyl Acetate	7.571	43	17498	5.290	ug/l	97
38) Carbon Tetrachloride	8.236	117	15848	6.212	ug/l #	18
43) Isopropyl Acetate	8.700	43	9909	1.866	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1306	0.632	ug/l #	43
48) Methyl methacrylate	9.741	41	88431	36.190	ug/l #	36
49) 1,4-Dioxane	9.753	88	55	1.237	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	95844	29.988	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	49885	14.759	ug/l #	58
57) 1,3-Dichloropropane	11.206	76	3184	0.919	ug/l #	43
59) 2-Hexanone	11.212	43	36912	17.930	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	66709	20.273	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66709	46.666	ug/l #	16

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

Quant Time: Jun 27 01:26:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

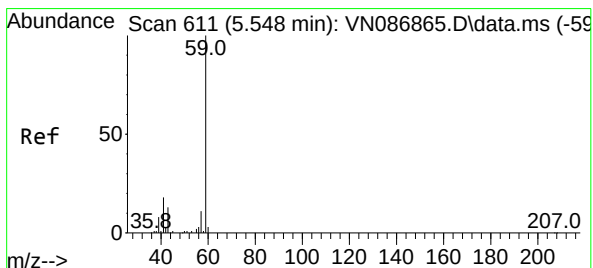
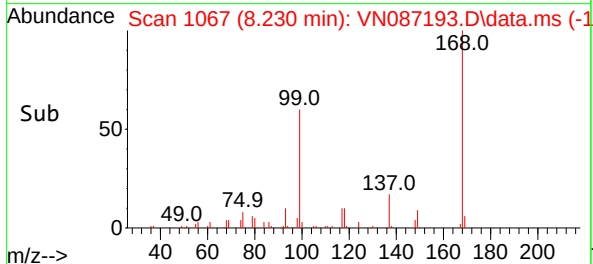
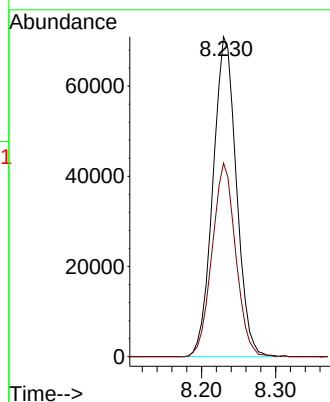
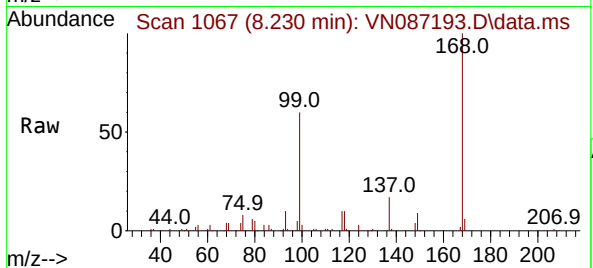




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

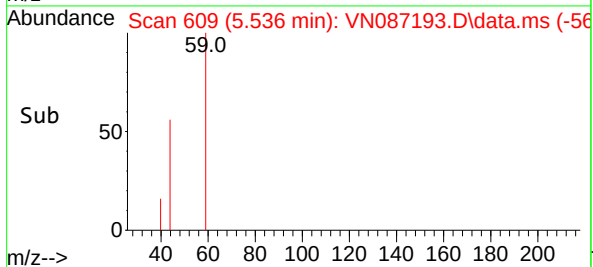
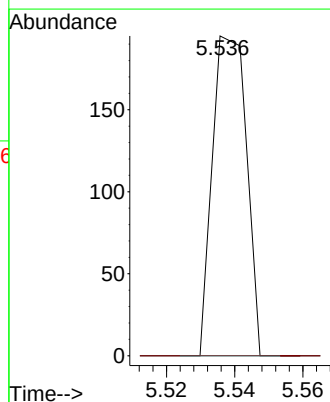
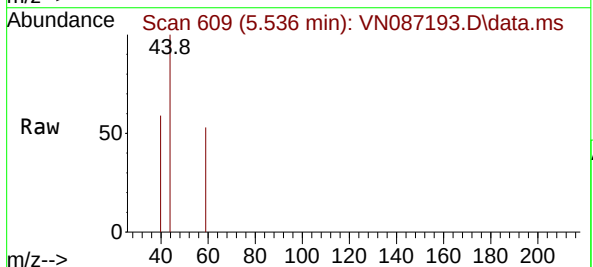
Instrument :
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ClientSampleId :
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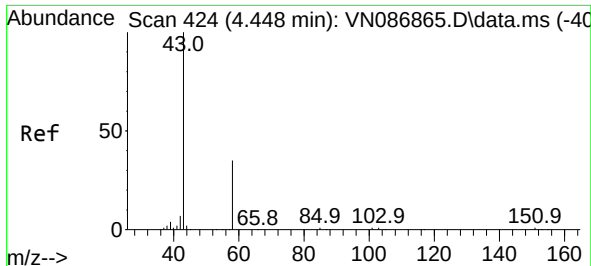
Tgt Ion:168 Resp: 155998
Ion Ratio Lower Upper
168 100
99 60.5 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.238 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 35.631 ug/l

RT: 4.448 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

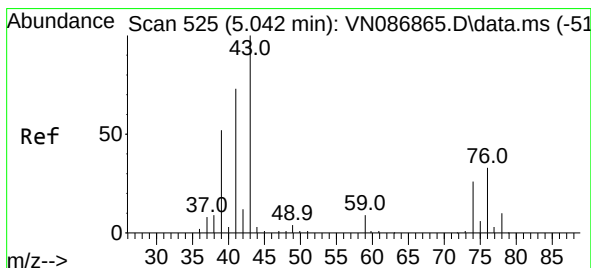
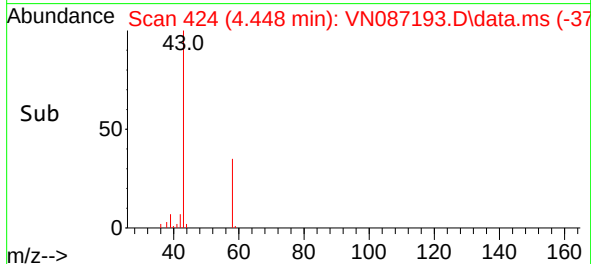
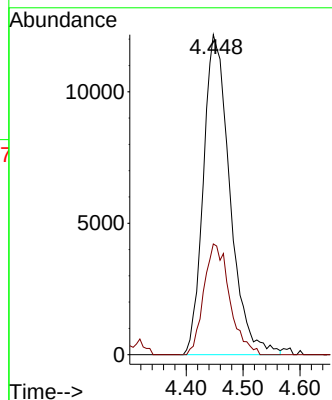
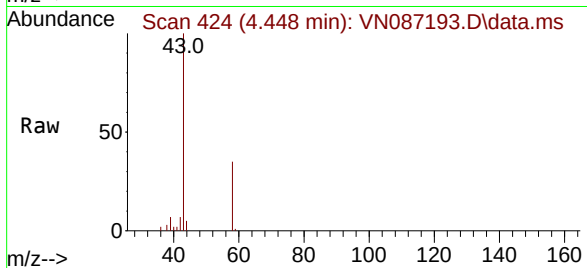
EP-7

Tgt Ion: 43 Resp: 39466

Ion Ratio Lower Upper

43 100

58 34.6 28.0 42.0



#18

Methyl Acetate

Concen: 7.990 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.006 min

Lab File: VN087193.D

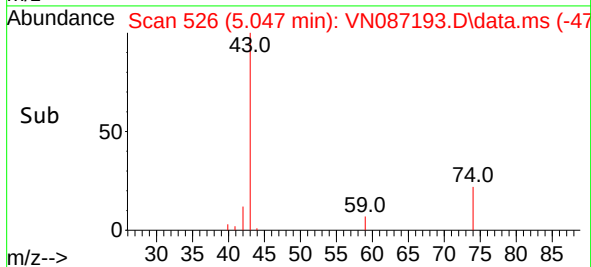
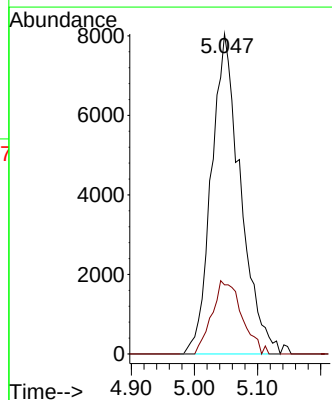
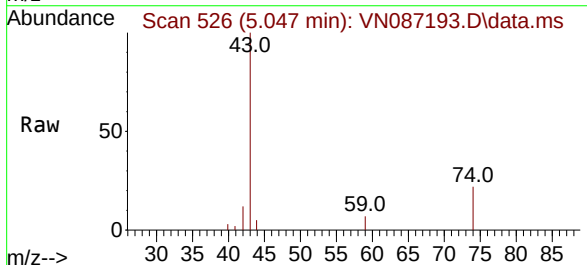
Acq: 26 Jun 2025 14:29

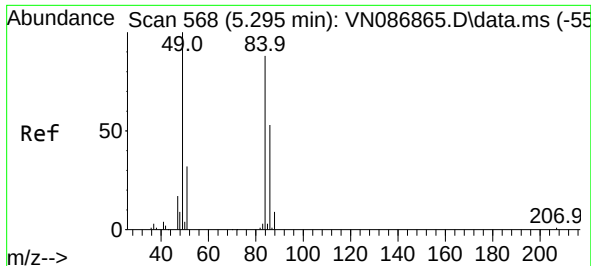
Tgt Ion: 43 Resp: 25790

Ion Ratio Lower Upper

43 100

74 23.4 20.7 31.1

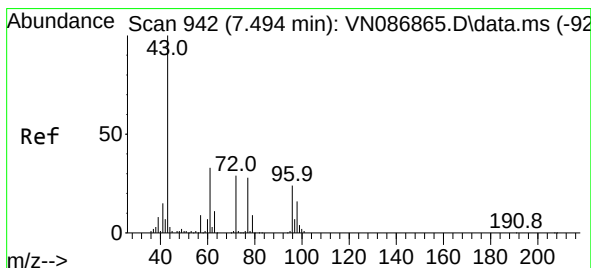
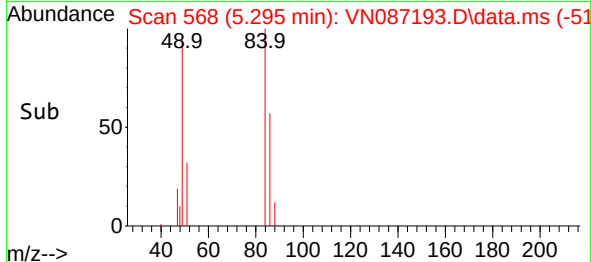
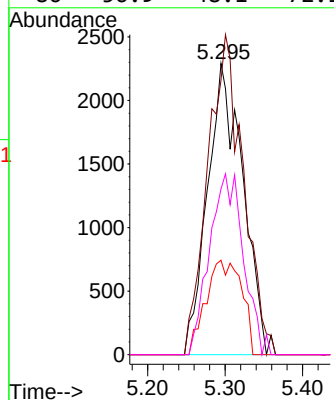
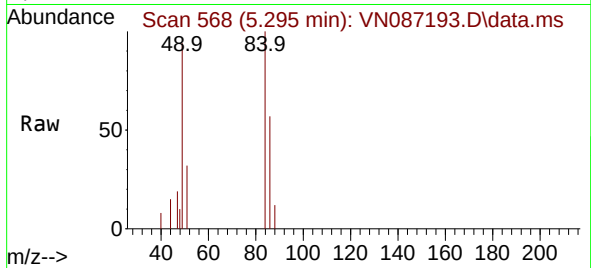




#20
Methylene Chloride
Concen: 3.511 ug/l
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

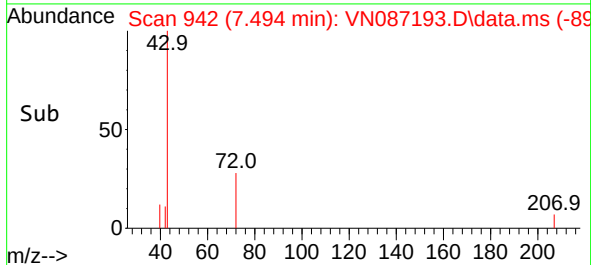
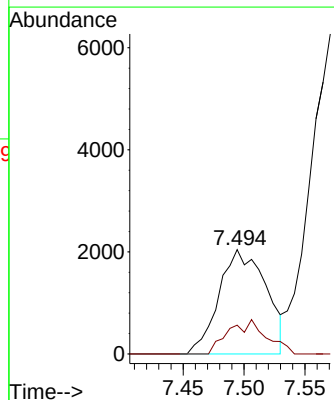
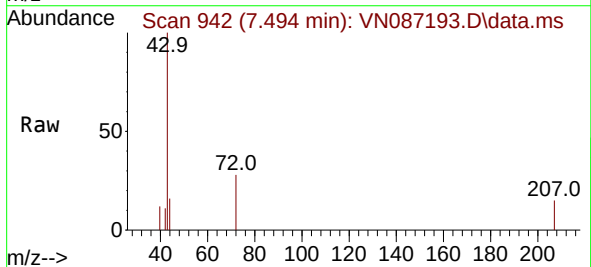
Instrument :
MSVOA_N
ClientSampleId :
EP-7

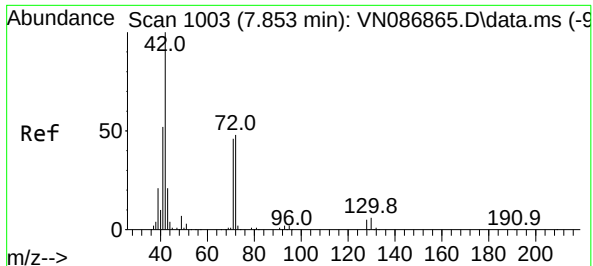
Tgt Ion:	84	Resp:	7280
Ion	Ratio	Lower	Upper
84	100		
49	94.3	90.5	135.7
51	32.4	28.5	42.7
86	56.9	48.1	72.1



#25
2-Butanone
Concen: 3.050 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion:	43	Resp:	5491
Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.0	34.6





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

EP-7

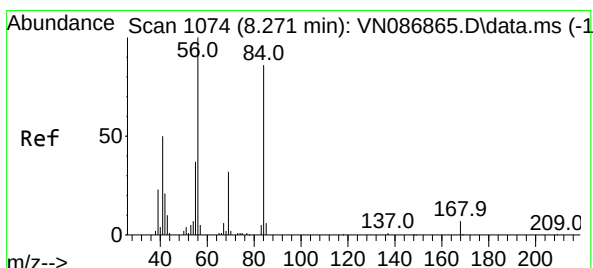
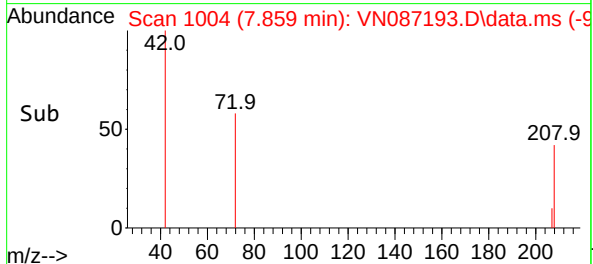
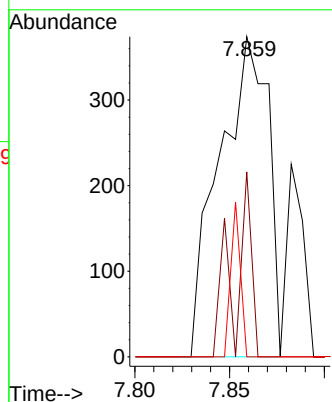
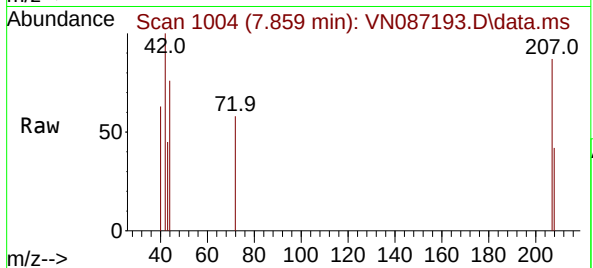
Tgt Ion: 42 Resp: 670

Ion Ratio Lower Upper

42 100

72 8.5 37.8 56.6#

71 9.6 35.6 53.4#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.041 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

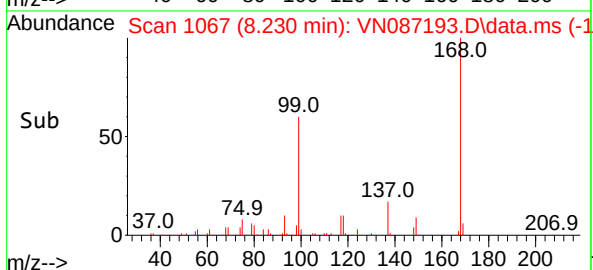
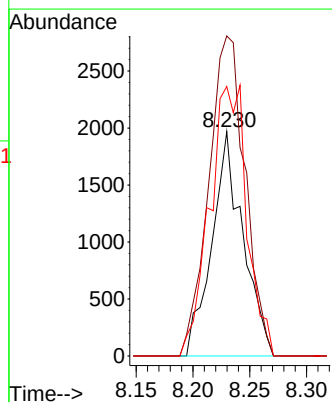
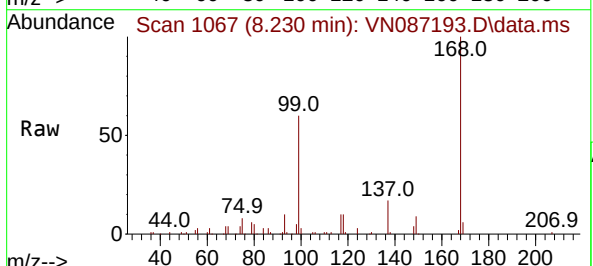
Tgt Ion: 56 Resp: 3743

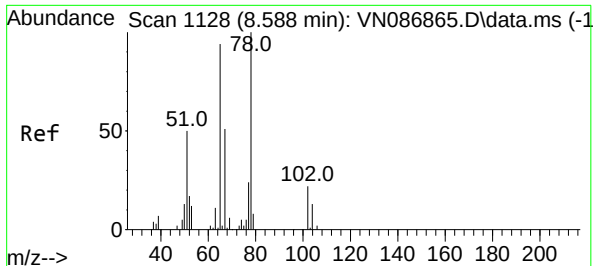
Ion Ratio Lower Upper

56 100

69 142.7 25.4 38.0#

84 120.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 60.294 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

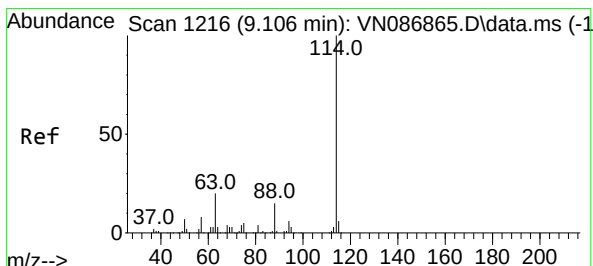
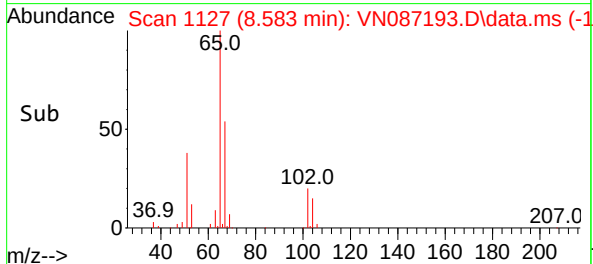
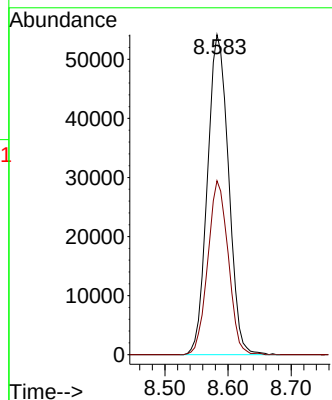
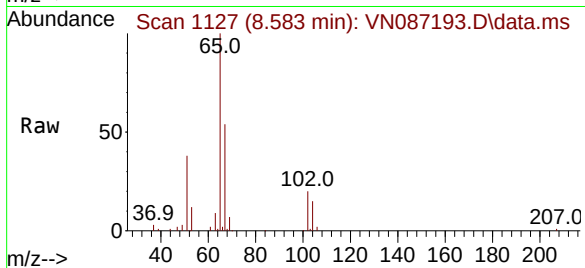
EP-7

Tgt Ion: 65 Resp: 125932

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

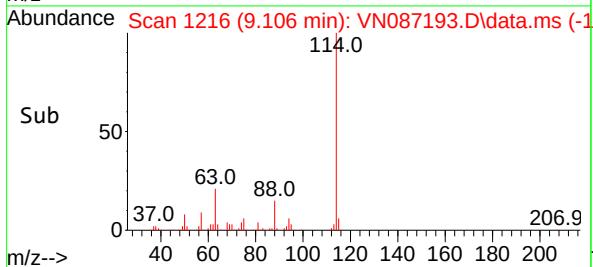
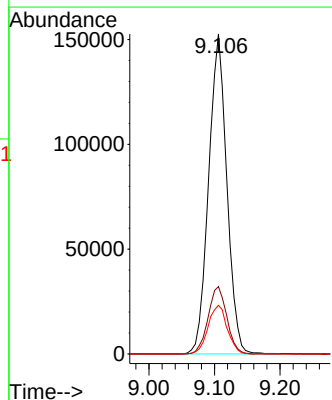
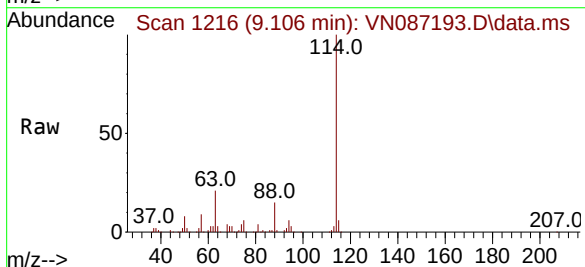
Tgt Ion: 114 Resp: 294245

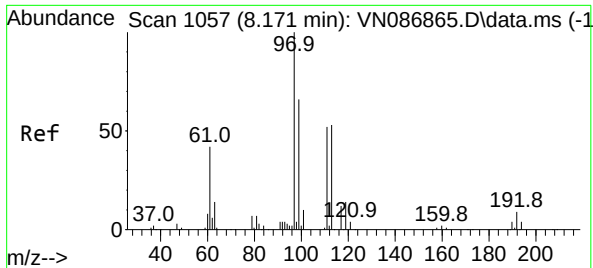
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 15.2 0.0 30.2

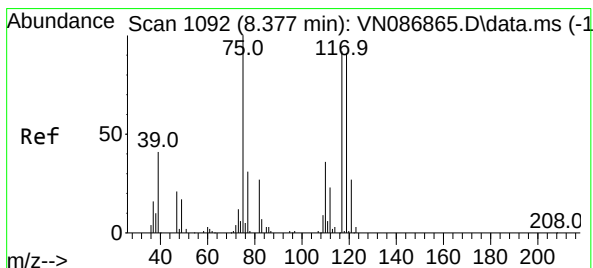
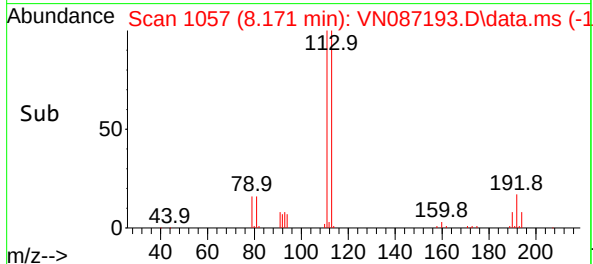
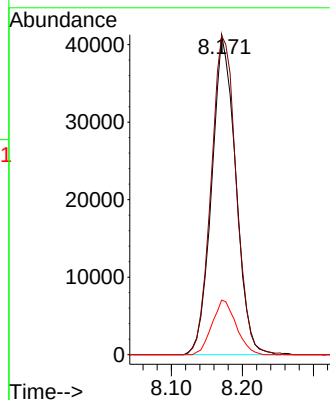
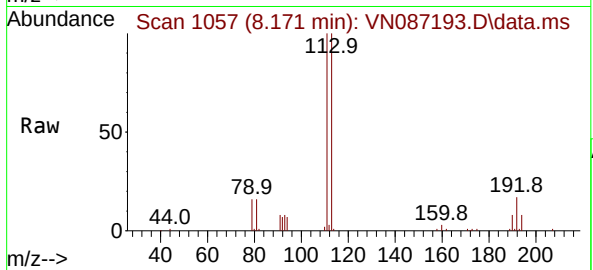




#35
Dibromofluoromethane
Concen: 55.410 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

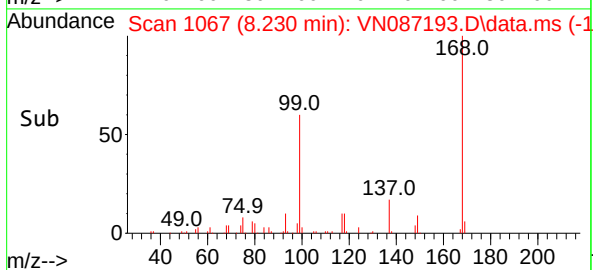
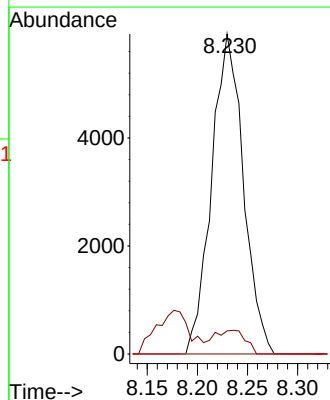
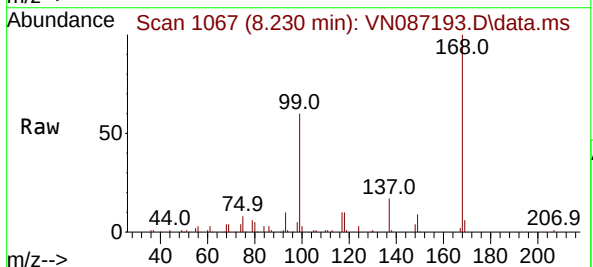
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ClientSampleId :
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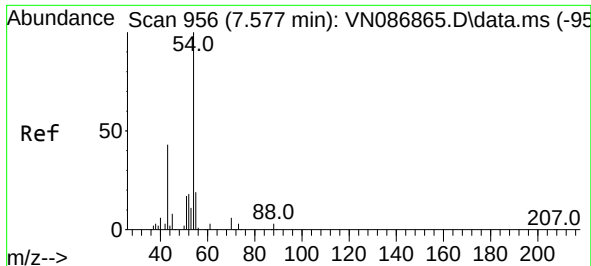
Tgt Ion:113 Resp: 96622
Ion Ratio Lower Upper
113 100
111 104.1 84.2 126.2
192 17.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 75 Resp: 13039
Ion Ratio Lower Upper
75 100
110 7.4 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 5.290 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

EP-7

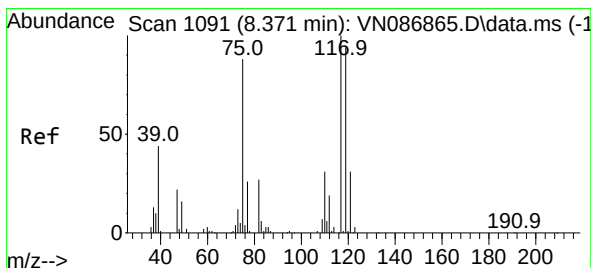
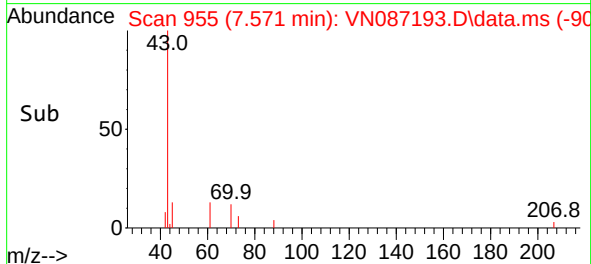
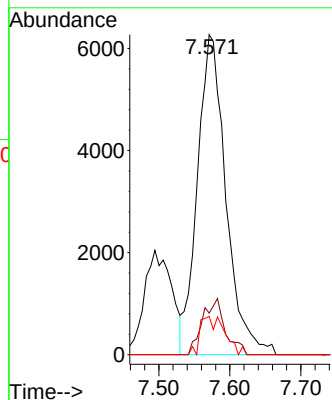
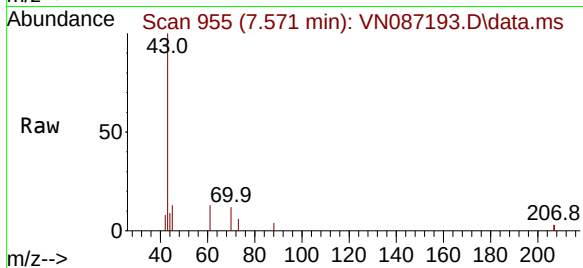
Tgt Ion: 43 Resp: 17498

Ion Ratio Lower Upper

43 100

61 14.0 12.1 18.1

70 10.4 9.8 14.6



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087193.D

Acq: 26 Jun 2025 14:29

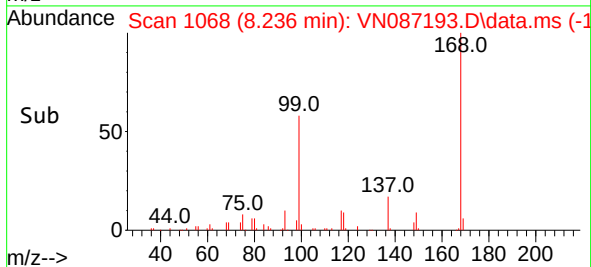
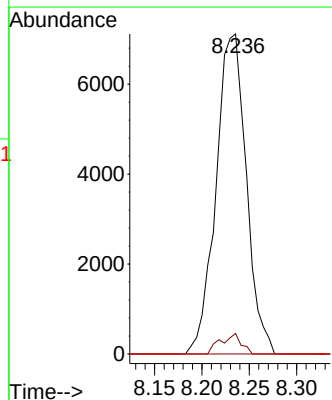
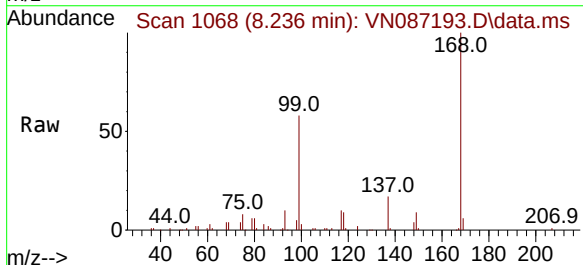
Tgt Ion: 117 Resp: 15848

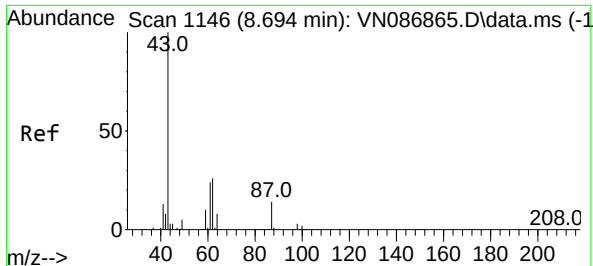
Ion Ratio Lower Upper

117 100

119 6.4 75.0 112.6#

121 0.0 24.9 37.3#

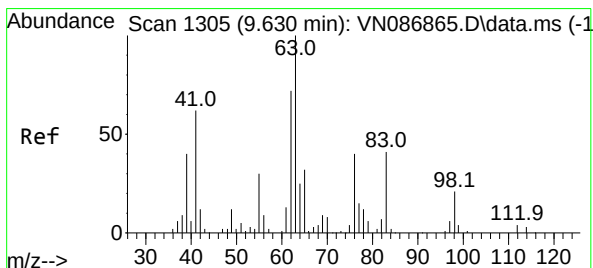
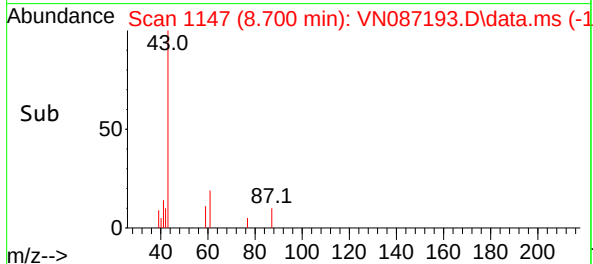
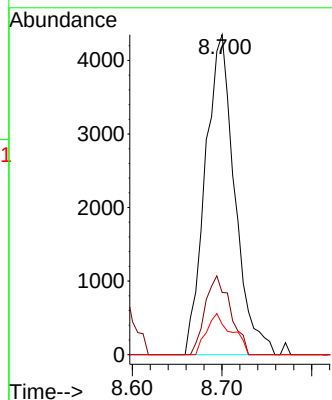
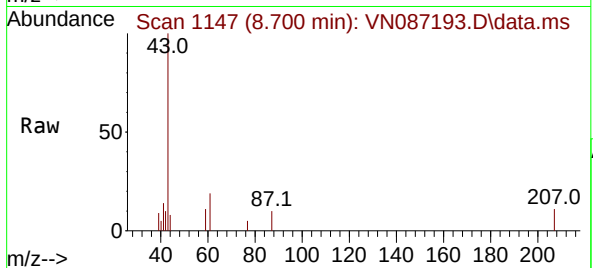




#43
Isopropyl Acetate
Concen: 1.866 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

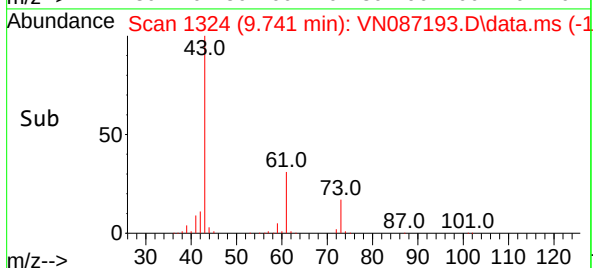
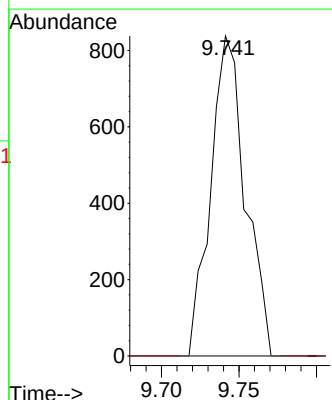
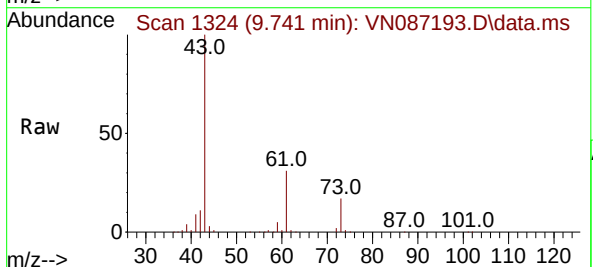
Instrument :
MSVOA_N
ClientSampleId :
EP-7

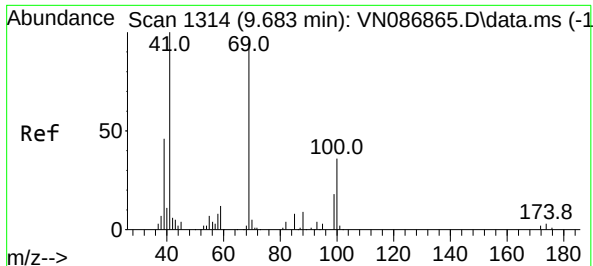
Tgt Ion: 43 Resp: 9909
Ion Ratio Lower Upper
43 100
61 21.3 22.1 33.1#
87 10.9 11.8 17.6#



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.112 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 63 Resp: 1306
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#

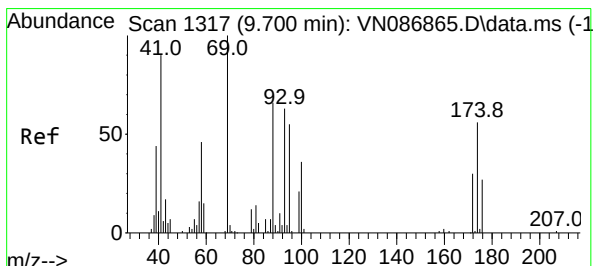
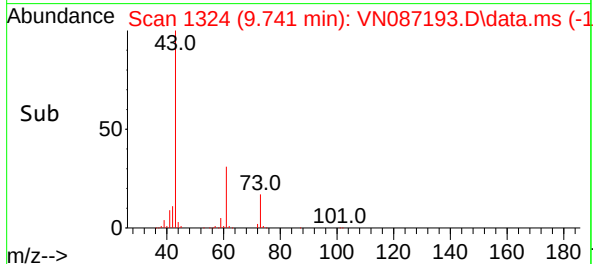
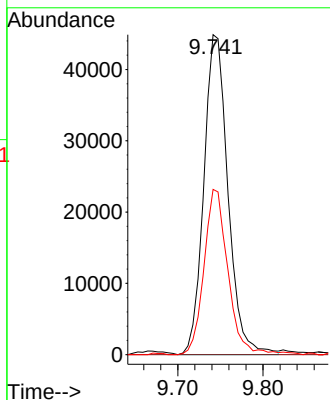
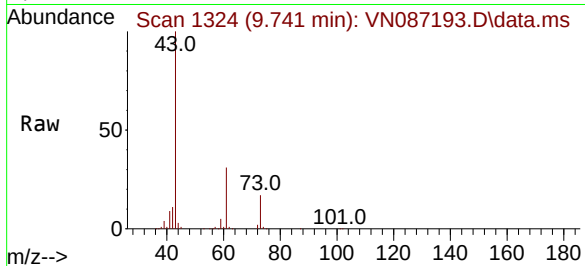




#48
Methyl methacrylate
Concen: 36.190 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

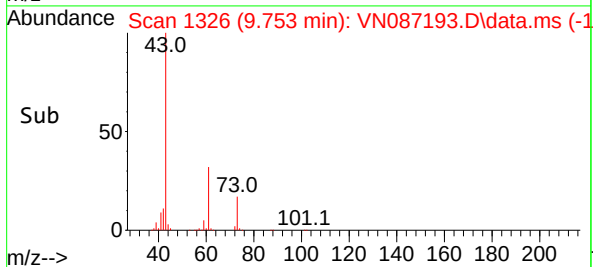
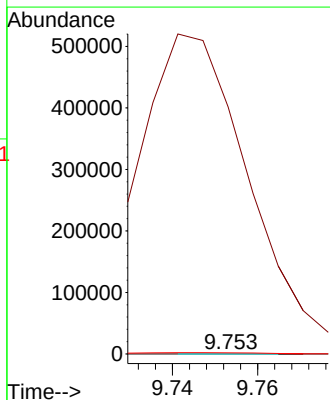
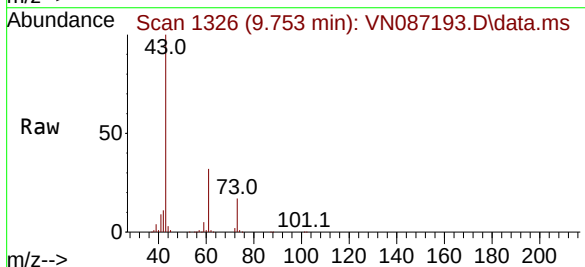
Instrument :
MSVOA_N
ClientSampleId :
EP-7

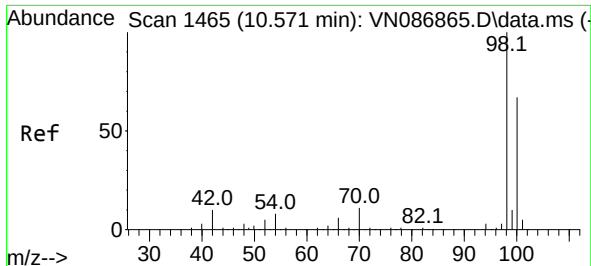
Tgt Ion: 41 Resp: 88431
Ion Ratio Lower Upper
41 100
69 0.0 74.6 112.0#
39 51.3 40.2 60.4



#49
1,4-Dioxane
Concen: 1.237 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 1836016.4 0.0 0.0#
58 8689.1 57.7 86.5#

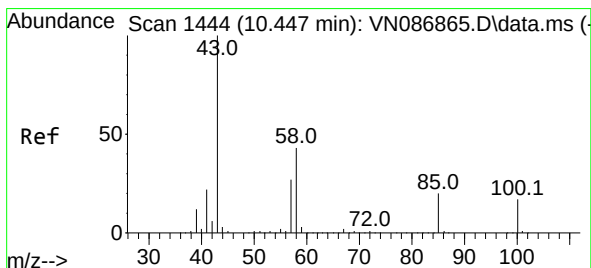
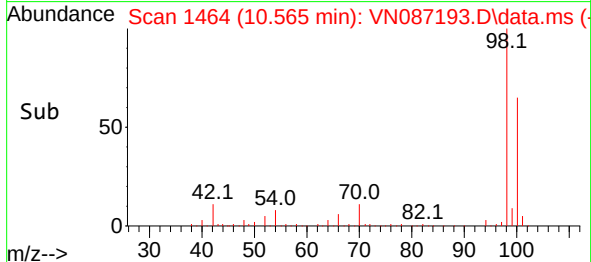
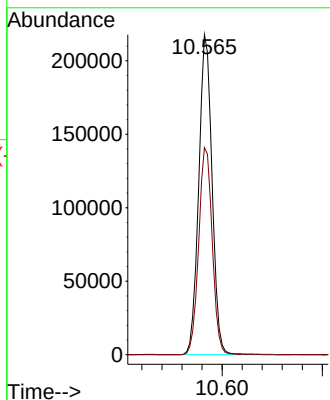
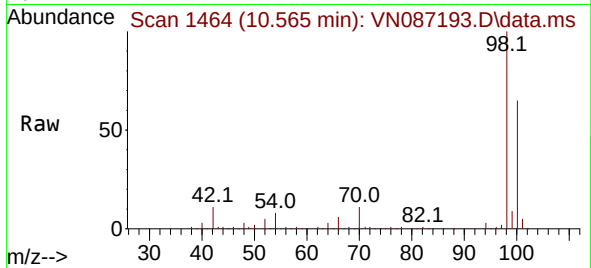




#50
Toluene-d8
Concen: 58.124 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

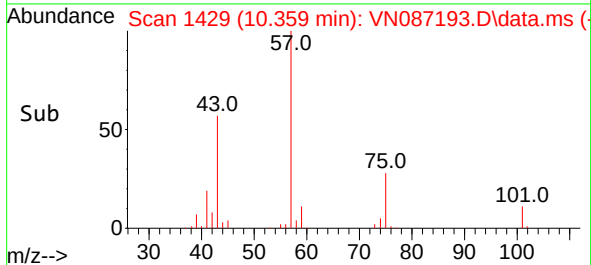
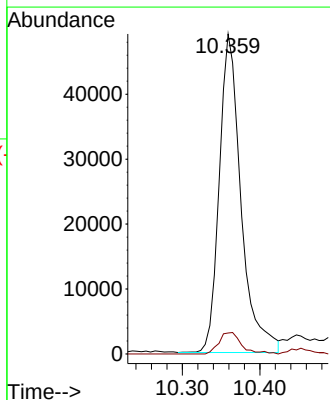
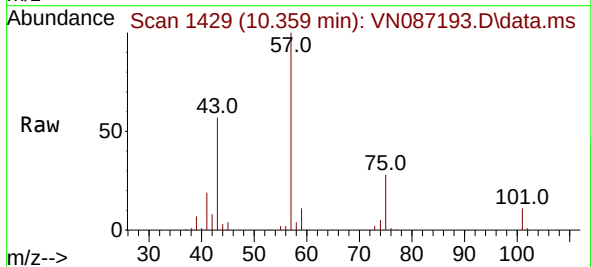
Instrument :
MSVOA_N
ClientSampleId :
EP-7

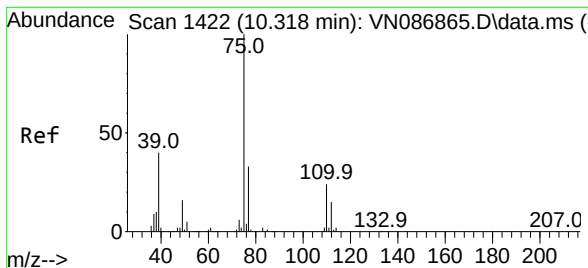
Tgt Ion: 98 Resp: 401235
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 29.988 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 43 Resp: 95844
Ion Ratio Lower Upper
43 100
58 7.0 34.2 51.4#

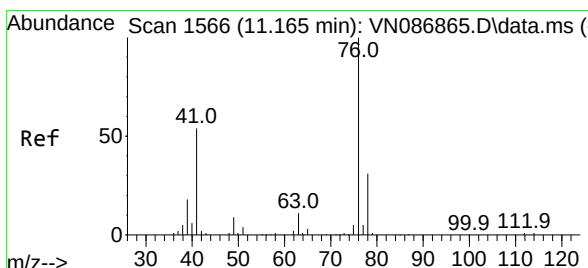
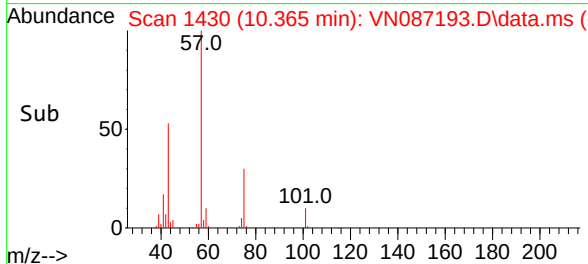
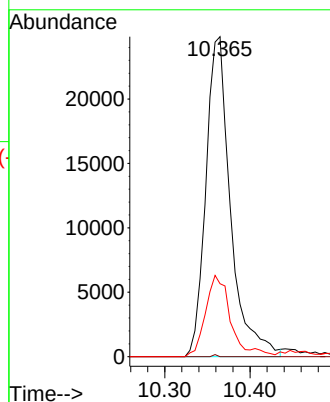
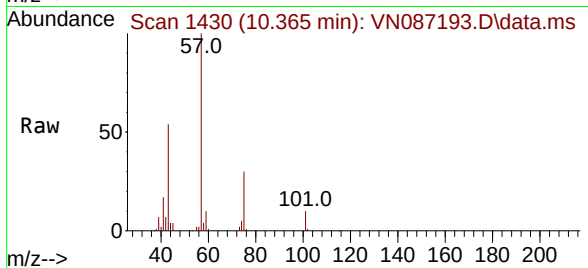




#54
 cis-1,3-Dichloropropene
 Concen: 14.759 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN087193.D
 Acq: 26 Jun 2025 14:29

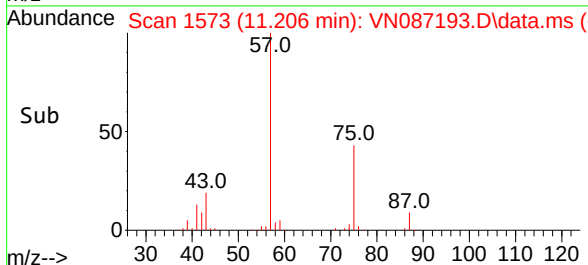
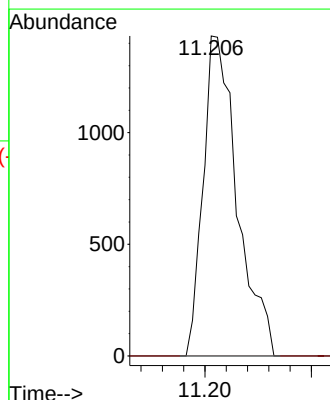
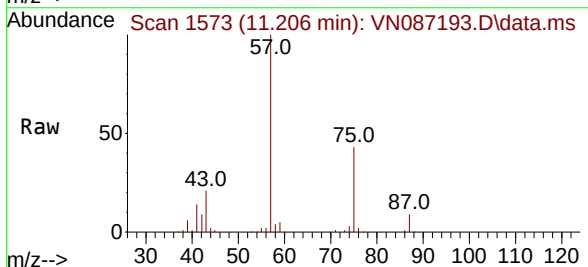
Instrument :
 MSVOA_N
 ClientSampleId :
 EP-7

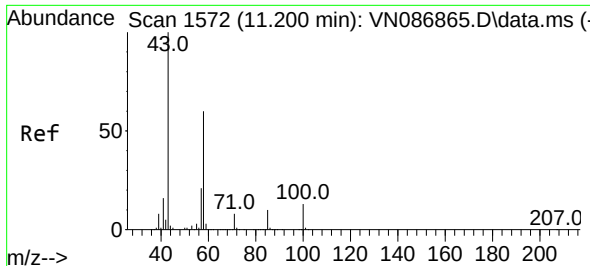
Tgt Ion: 75 Resp: 49885
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 22.8 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.919 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN087193.D
 Acq: 26 Jun 2025 14:29

Tgt Ion: 76 Resp: 3184
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

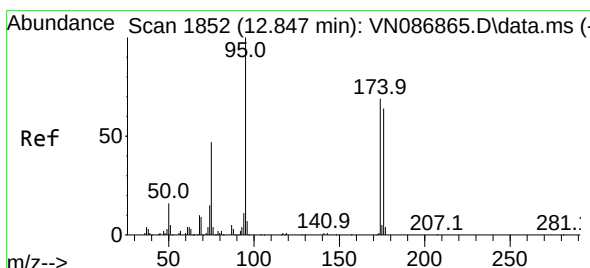
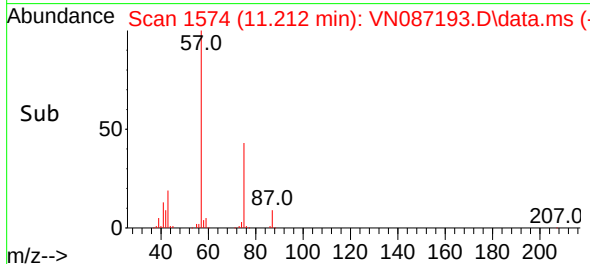
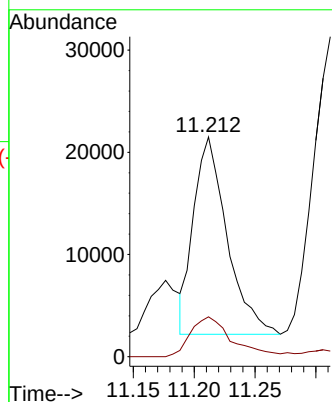
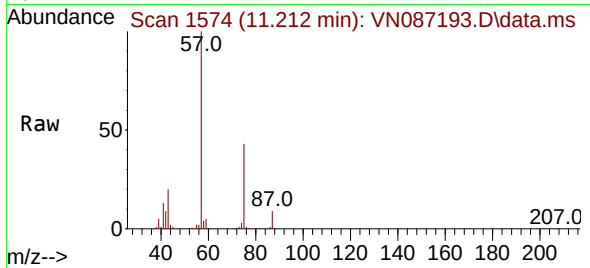




#59
2-Hexanone
Concen: 17.930 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

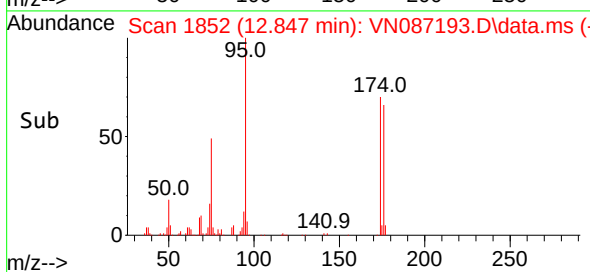
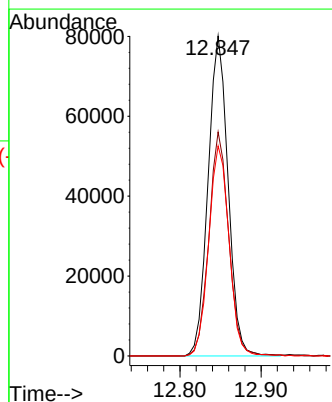
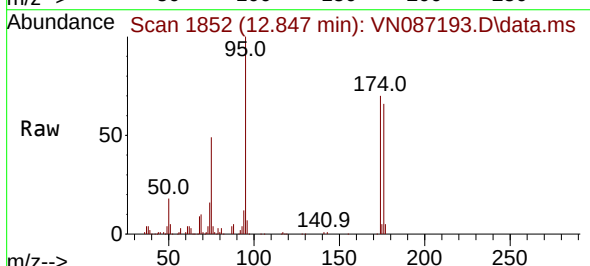
Instrument :
MSVOA_N
ClientSampleId :
EP-7

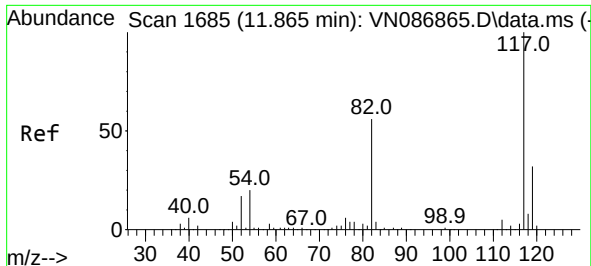
Tgt Ion: 43 Resp: 36912
Ion Ratio Lower Upper
43 100
58 24.7 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 53.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 95 Resp: 137082
Ion Ratio Lower Upper
95 100
174 69.1 0.0 141.8
176 66.7 0.0 132.6

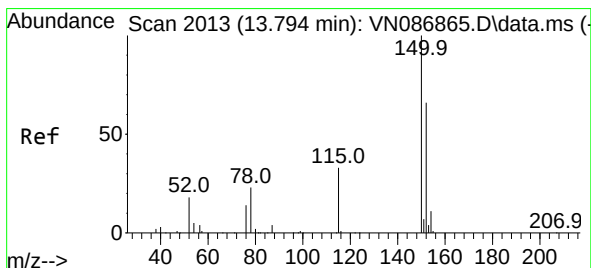
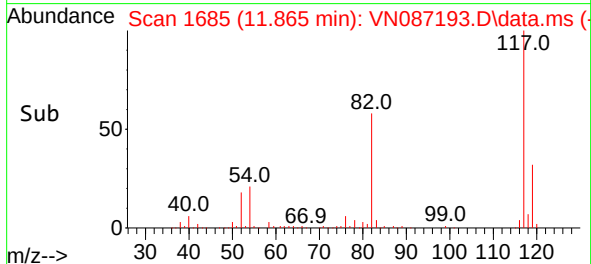
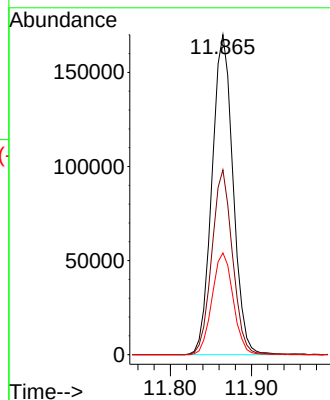
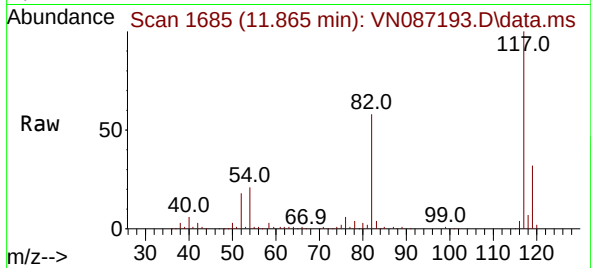




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

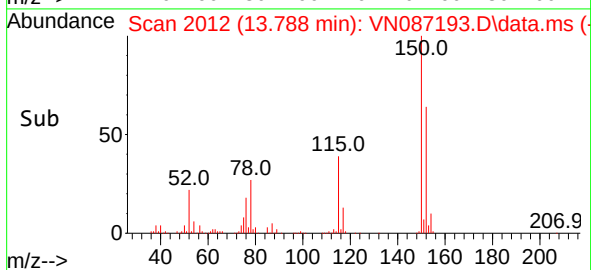
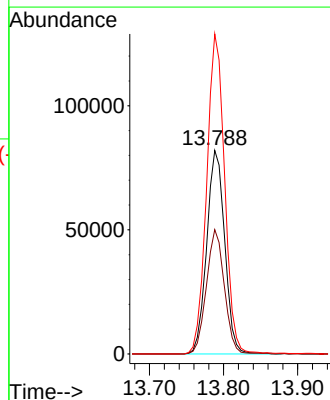
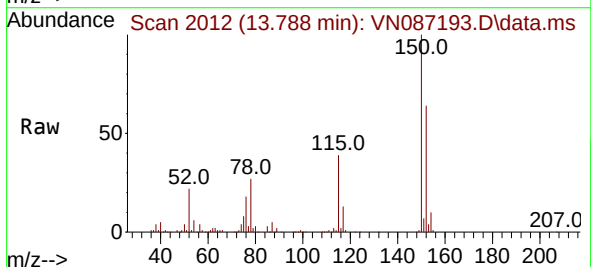
Instrument :
MSVOA_N
ClientSampleId :
EP-7

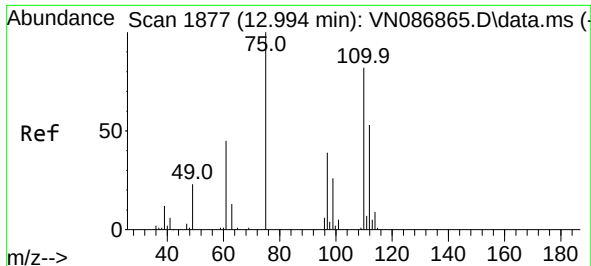
Tgt Ion:117 Resp: 306552
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion:152 Resp: 138433
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.5
150 157.0 0.0 345.0

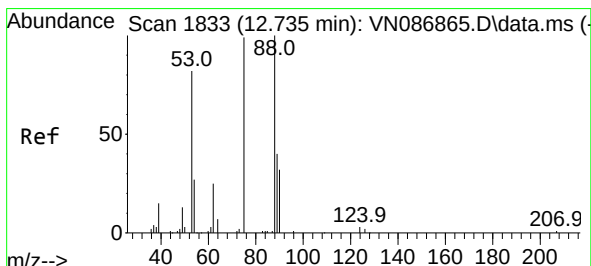
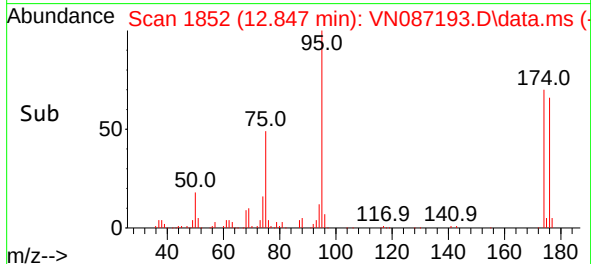
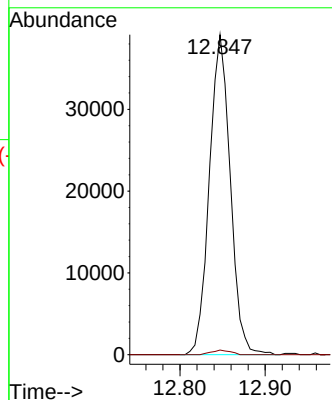
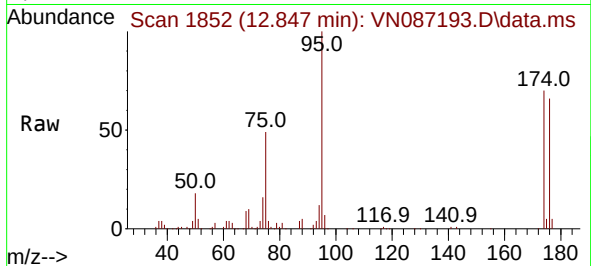




#76
1,2,3-Trichloropropane
Concen: 20.273 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
EP-7

Tgt Ion: 75 Resp: 66709
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087193.D
Acq: 26 Jun 2025 14:29

Tgt Ion: 75 Resp: 66709
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#

