

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087255.D
 Acq On : 01 Jul 2025 12:18
 Operator : JC\MD
 Sample : Q2452-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP-2

Quant Time: Jul 02 02:01:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

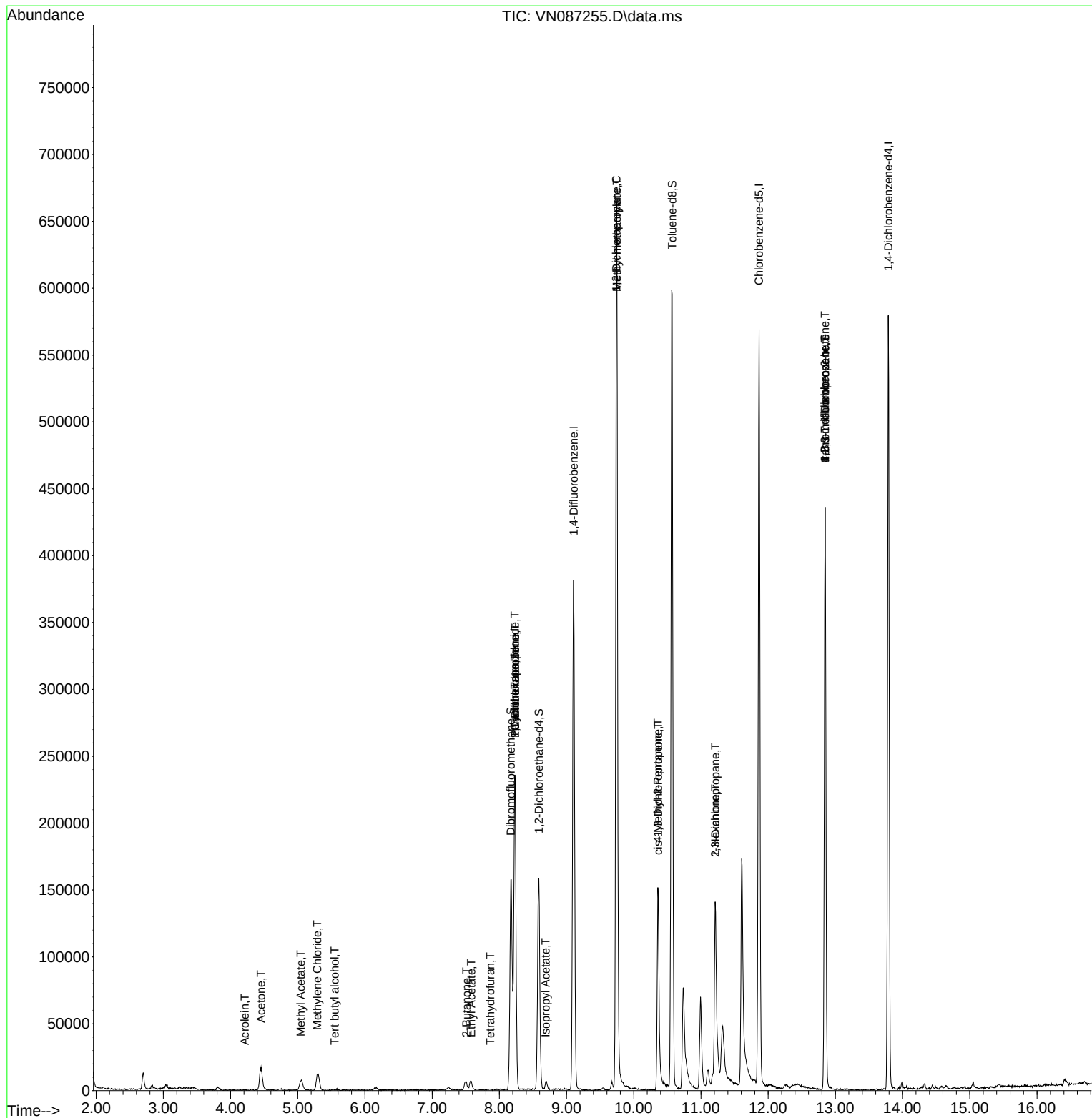
Internal Standards						
1) Pentafluorobenzene	8.236	168	187733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	344628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	132941	56.423	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.840%
35) Dibromofluoromethane	8.171	113	117875	51.713	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.420%
50) Toluene-d8	10.571	98	440214	49.547	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.847	95	152551	48.256	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	1369	3.188	ug/l #	72
13) Acrolein	4.212	56	60	0.202	ug/l #	1
16) Acetone	4.453	43	32011	35.536	ug/l	95
18) Methyl Acetate	5.048	43	16407	7.956	ug/l	99
20) Methylene Chloride	5.289	84	6010	3.012	ug/l	95
25) 2-Butanone	7.512	43	11163	7.930	ug/l #	88
29) Tetrahydrofuran	7.865	42	465	0.513	ug/l #	34
31) Cyclohexane	8.230	56	3557	1.109	ug/l #	12
36) 1,1-Dichloropropene	8.236	75	13409	4.326	ug/l #	47
37) Ethyl Acetate	7.583	43	11375	3.414	ug/l #	86
38) Carbon Tetrachloride	8.230	117	18768	5.343	ug/l #	14
43) Isopropyl Acetate	8.688	43	7179	1.389	ug/l #	93
45) 1,2-Dichloropropane	9.741	63	916	0.437	ug/l #	45
48) Methyl methacrylate	9.747	41	61872	28.408	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	62212	19.676	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	35242	9.493	ug/l #	60
57) 1,3-Dichloropropane	11.212	76	2131	0.549	ug/l #	41
59) 2-Hexanone	11.212	43	19471	8.597	ug/l	62
76) 1,2,3-Trichloropropane	12.847	75	75944	24.524	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75944	57.604	ug/l #	14

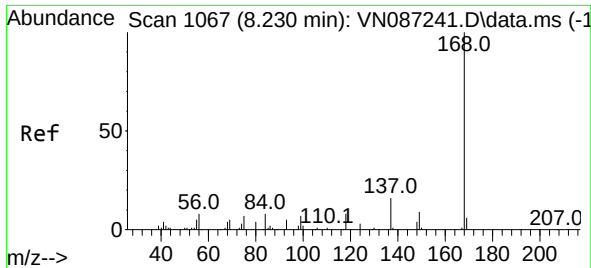
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
Data File : VN087255.D
Acq On : 01 Jul 2025 12:18
Operator : JC\MD
Sample : Q2452-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP-2

Quant Time: Jul 02 02:01:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

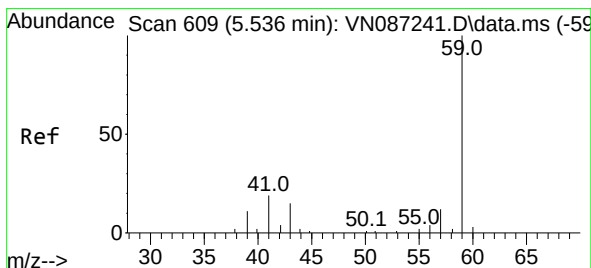
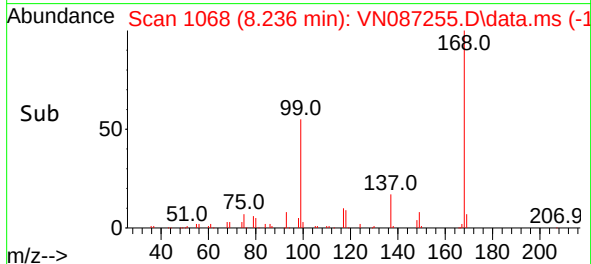
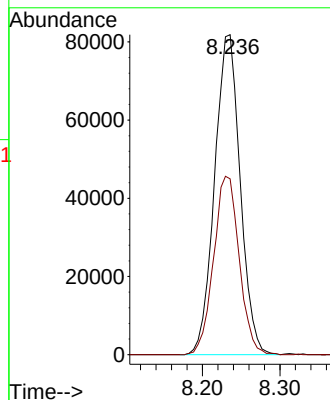
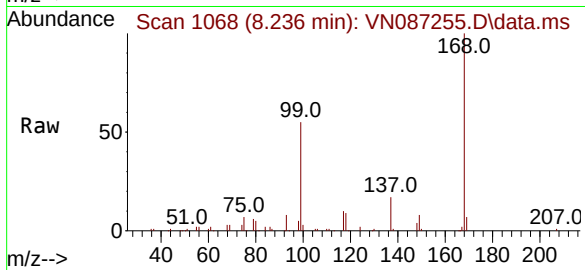




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

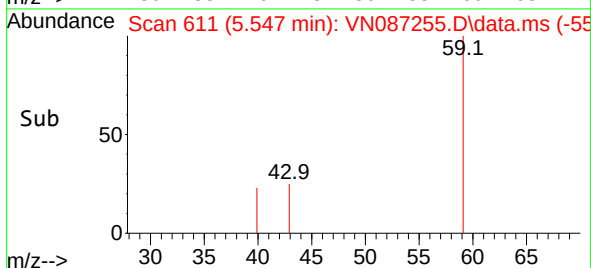
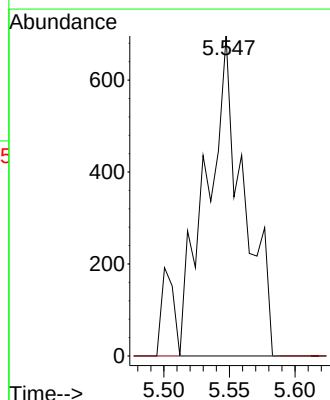
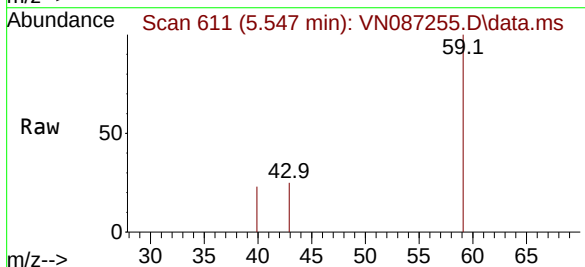
Instrument :
MSVOA_N
ClientSampleId :
EP-2

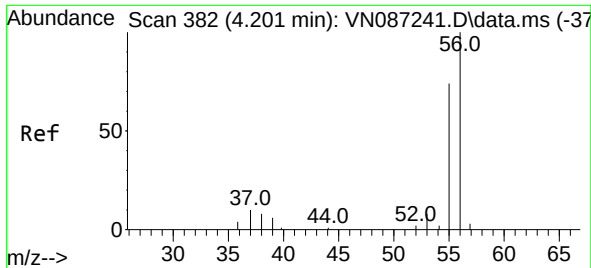
Tgt Ion:168 Resp: 187733
Ion Ratio Lower Upper
168 100
99 55.0 42.6 64.0



#11
Tert butyl alcohol
Concen: 3.188 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 59 Resp: 1369
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

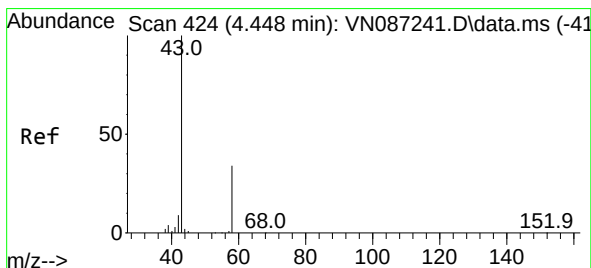
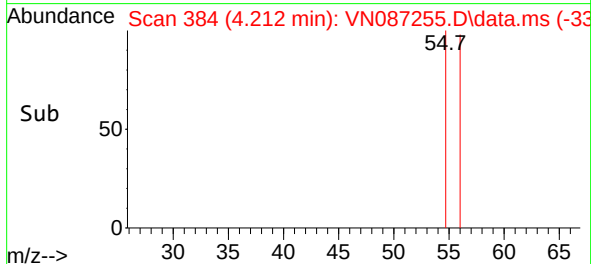
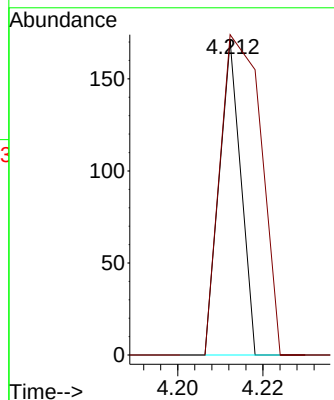
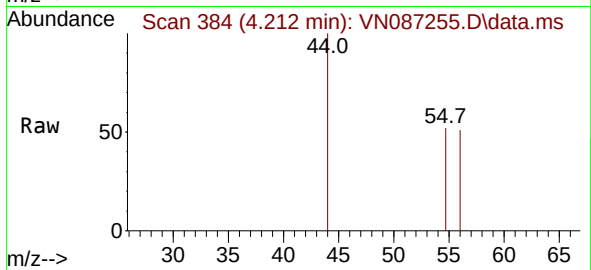




#13
Acrolein
Concen: 0.202 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

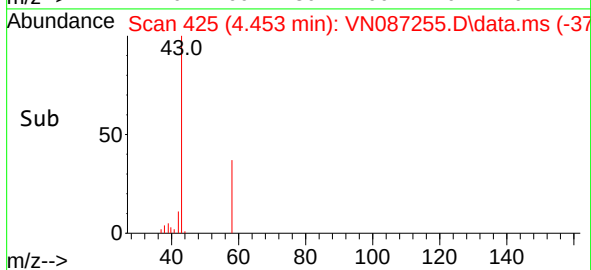
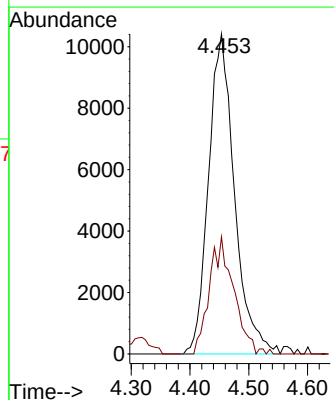
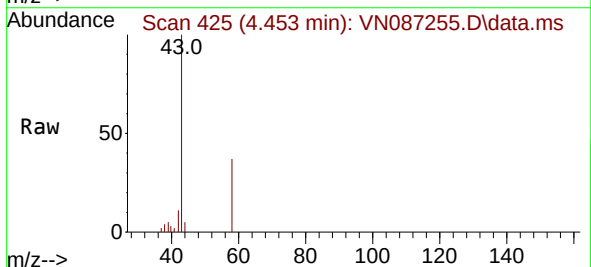
Instrument :
MSVOA_N
ClientSampleId :
EP-2

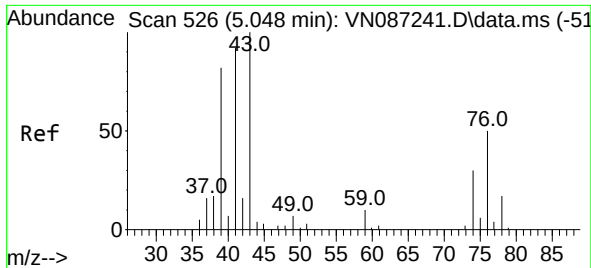
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 193.3 58.6 88.0#



#16
Acetone
Concen: 35.536 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 43 Resp: 32011
Ion Ratio Lower Upper
43 100
58 36.6 27.1 40.7

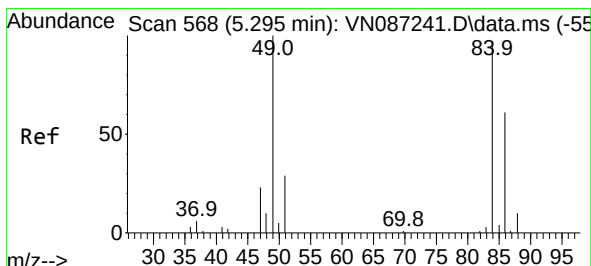
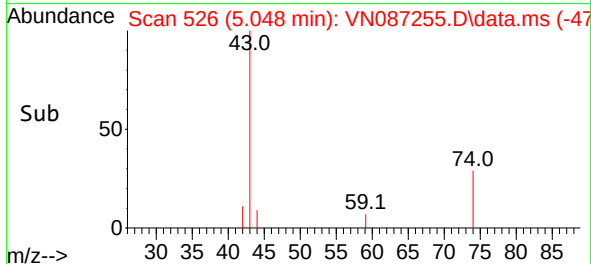
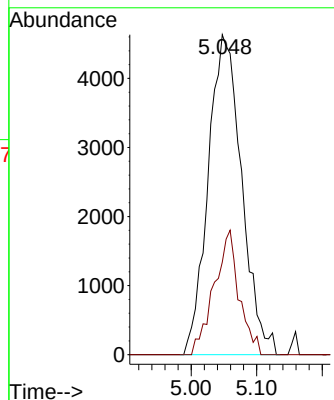
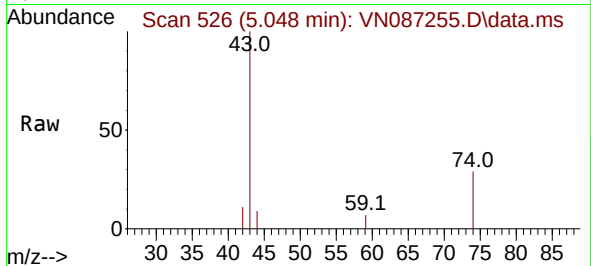




#18
Methyl Acetate
Concen: 7.956 ug/l
RT: 5.048 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

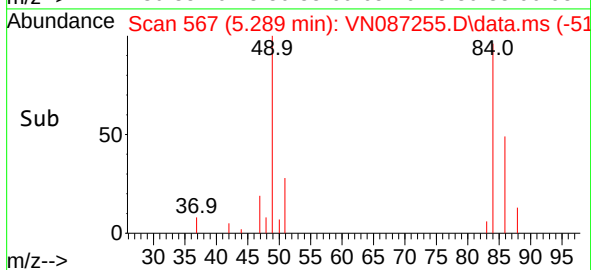
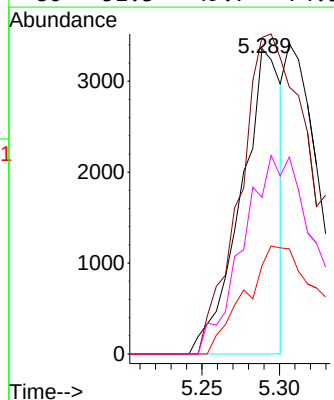
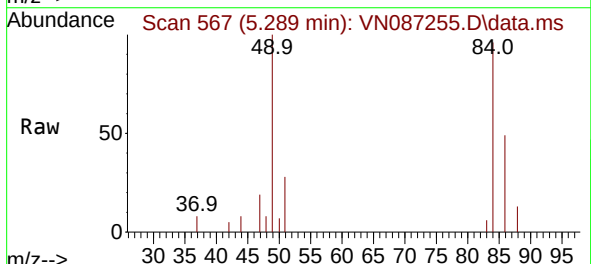
Instrument :
MSVOA_N
ClientSampleId :
EP-2

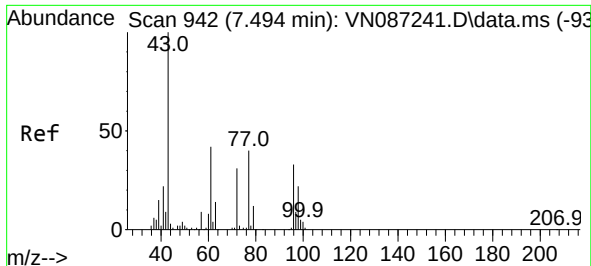
Tgt Ion: 43 Resp: 16407
Ion Ratio Lower Upper
43 100
74 29.0 23.8 35.6



#20
Methylene Chloride
Concen: 3.012 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 84 Resp: 6010
Ion Ratio Lower Upper
84 100
49 103.7 82.1 123.1
51 28.9 23.5 35.3
86 51.3 49.7 74.5

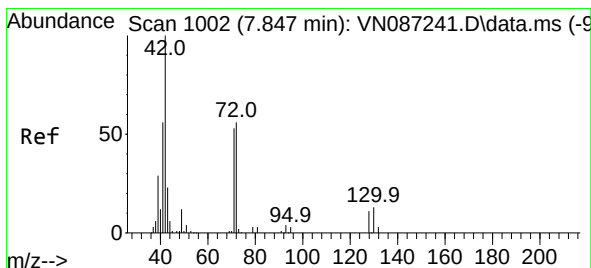
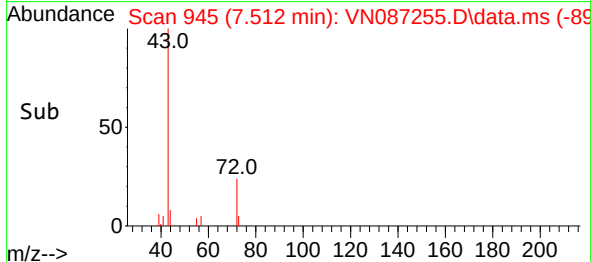
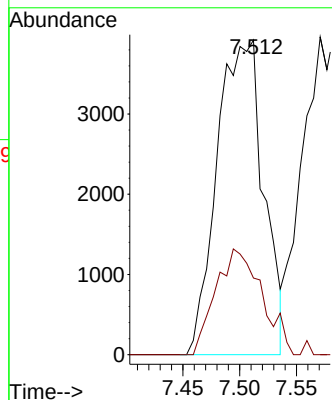
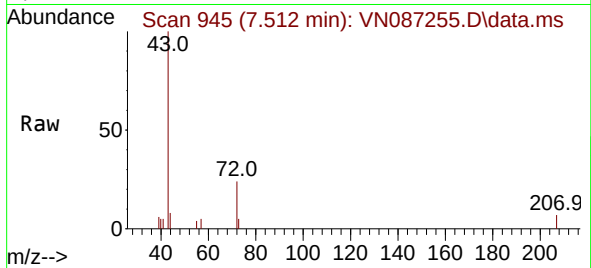




#25
2-Butanone
Concen: 7.930 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

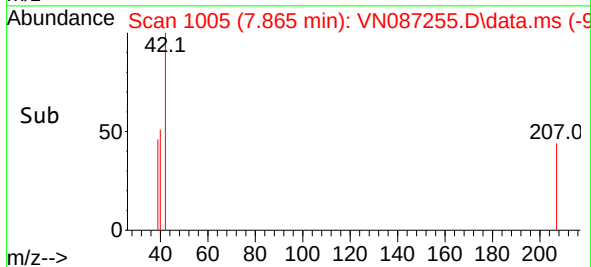
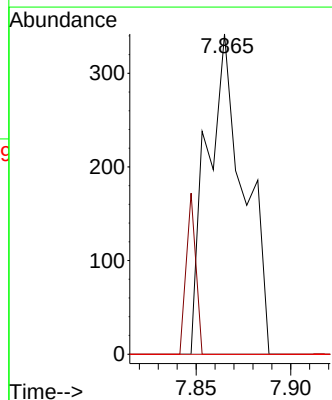
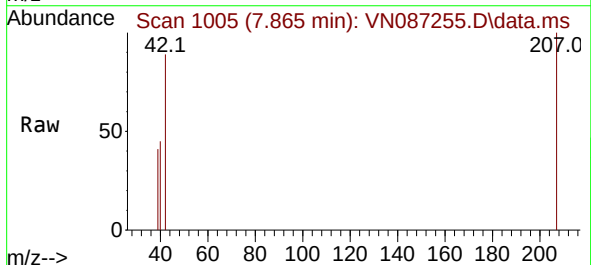
Instrument :
MSVOA_N
ClientSampleId :
EP-2

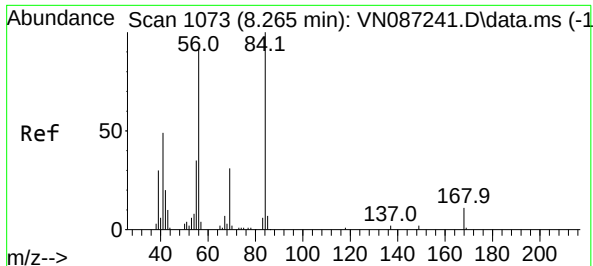
Tgt Ion: 43 Resp: 11163
Ion Ratio Lower Upper
43 100
72 24.3 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.513 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 13.1 44.2 66.4#
71 0.0 41.1 61.7#

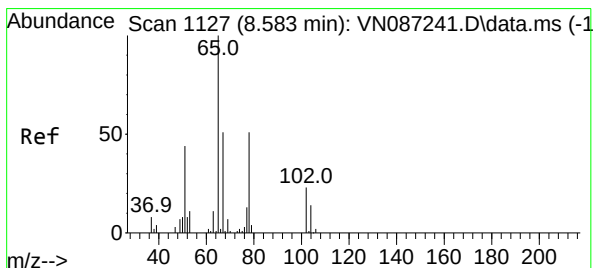
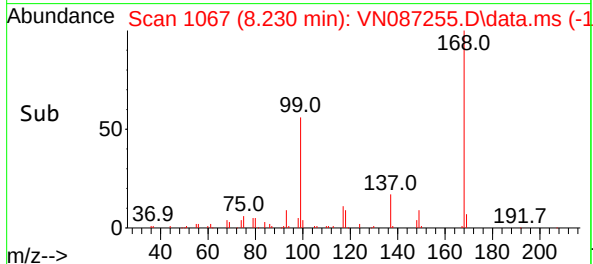
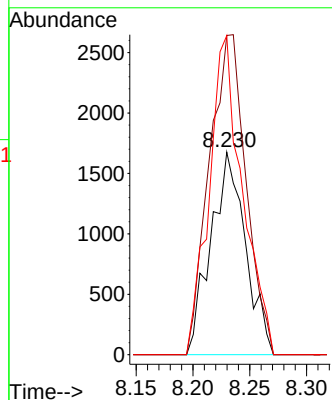
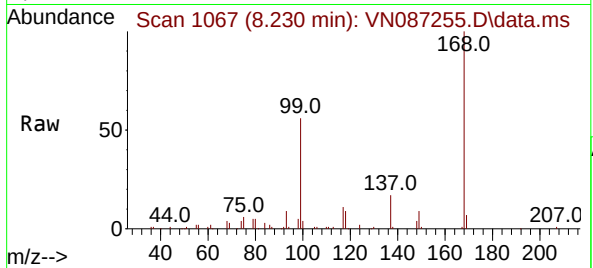




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

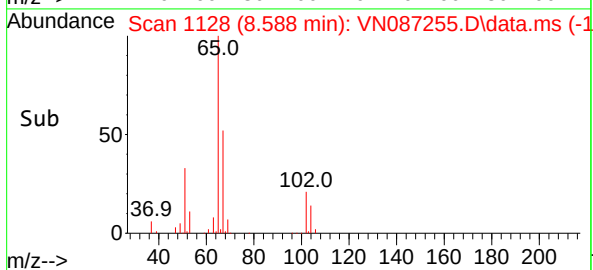
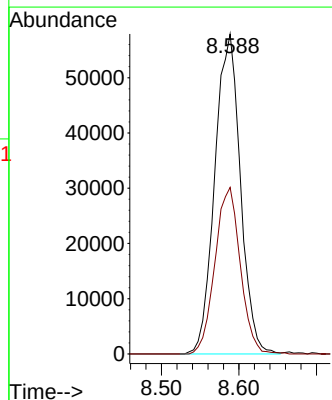
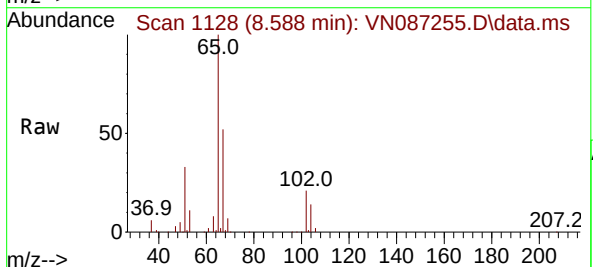
Instrument :
MSVOA_N
ClientSampleId :
EP-2

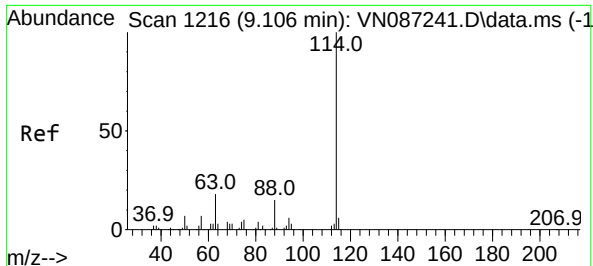
Tgt Ion: 56 Resp: 3557
Ion Ratio Lower Upper
56 100
69 157.6 27.0 40.6#
84 157.5 86.2 129.4#



#33
1,2-Dichloroethane-d4
Concen: 56.423 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 65 Resp: 132941
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6

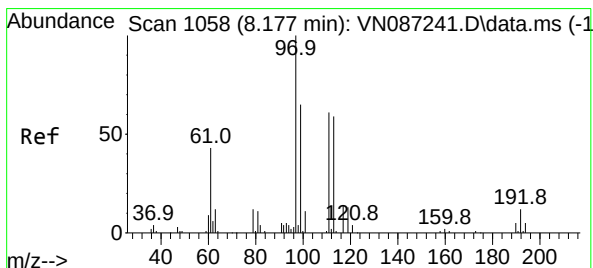
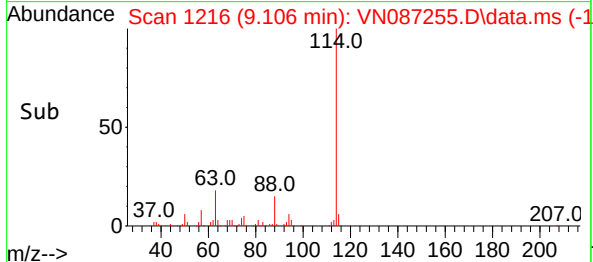
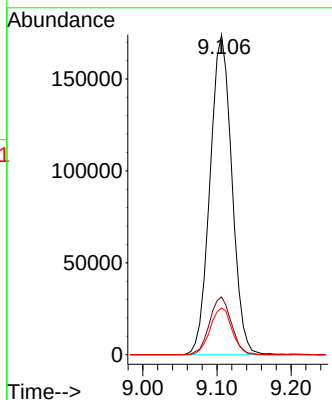
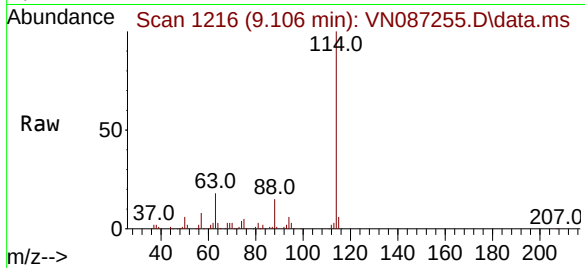




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

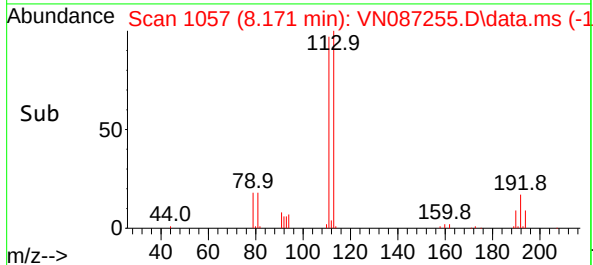
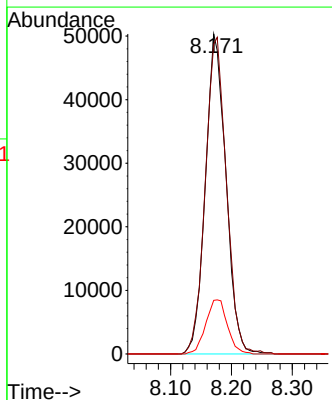
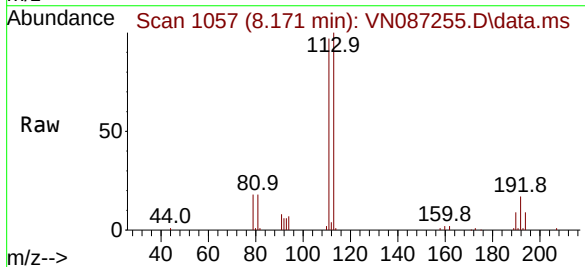
Instrument :
MSVOA_N
ClientSampleId :
EP-2

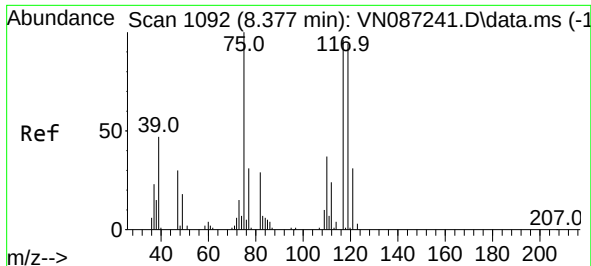
Tgt Ion:114 Resp: 355990
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.6
88 14.6 0.0 29.6



#35
Dibromofluoromethane
Concen: 51.713 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion:113 Resp: 117875
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 17.8 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.326 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

Instrument :

MSVOA_N

ClientSampleId :

EP-2

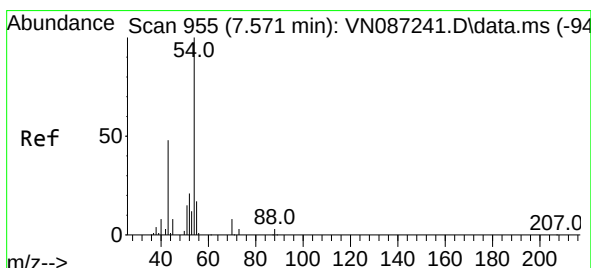
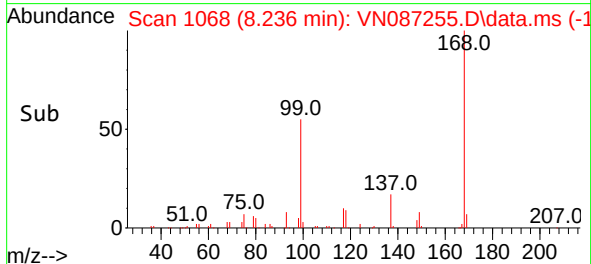
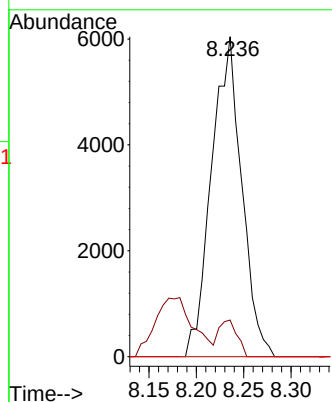
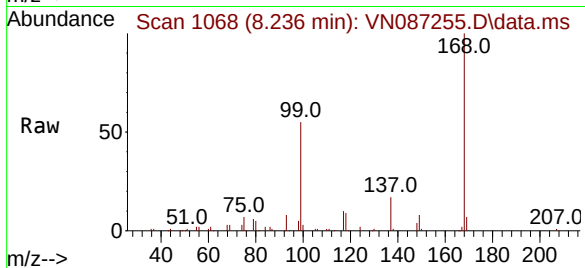
Tgt Ion: 75 Resp: 13409

Ion Ratio Lower Upper

75 100

110 6.9 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 3.414 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.012 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

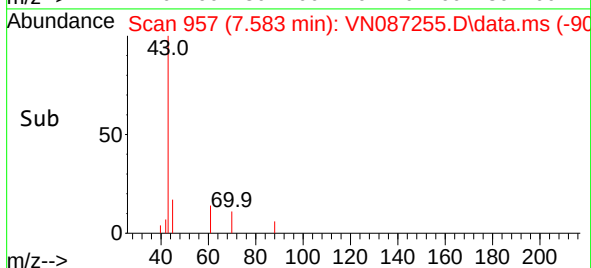
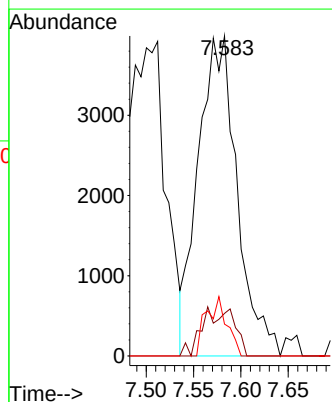
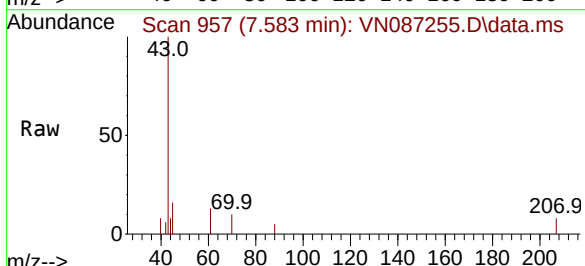
Tgt Ion: 43 Resp: 11375

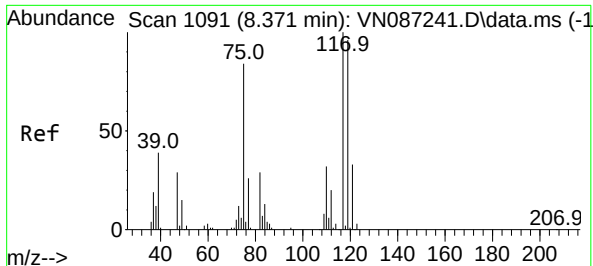
Ion Ratio Lower Upper

43 100

61 5.6 11.3 16.9#

70 10.0 9.9 14.9

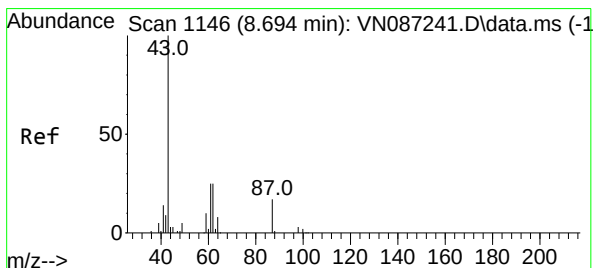
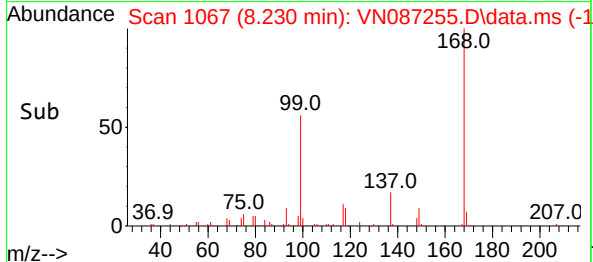
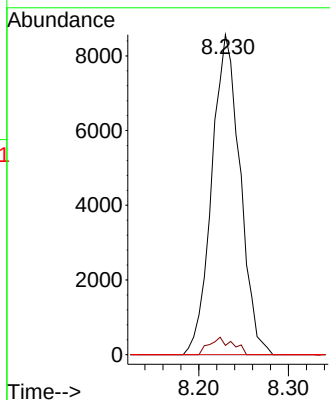
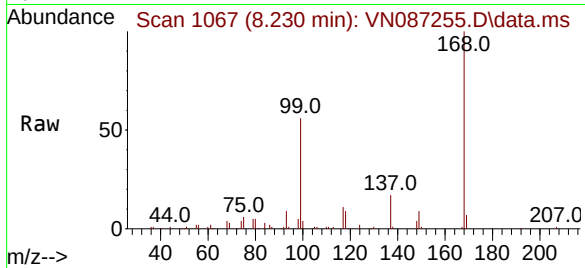




#38
Carbon Tetrachloride
Concen: 5.343 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

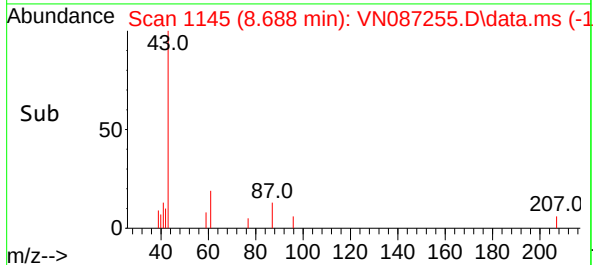
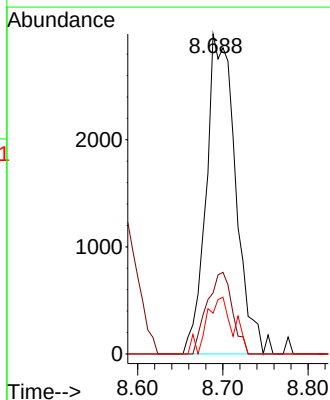
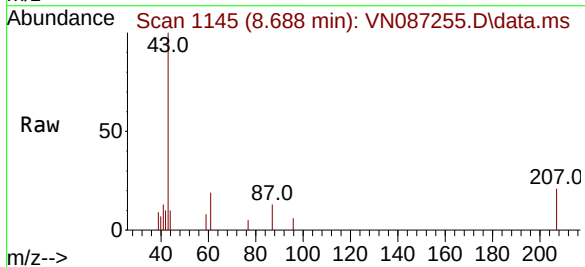
Instrument :
MSVOA_N
ClientSampleId :
EP-2

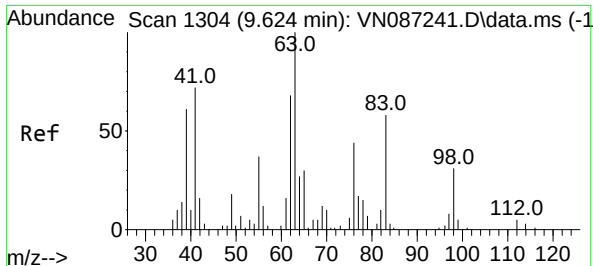
Tgt Ion:117 Resp: 18768
Ion Ratio Lower Upper
117 100
119 2.9 77.2 115.8#
121 0.0 26.6 39.8#



#43
Isopropyl Acetate
Concen: 1.389 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 43 Resp: 7179
Ion Ratio Lower Upper
43 100
61 22.0 22.4 33.6#
87 15.8 12.8 19.2





#45

1,2-Dichloropropane

Concen: 0.437 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.118 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

Instrument :

MSVOA_N

ClientSampleId :

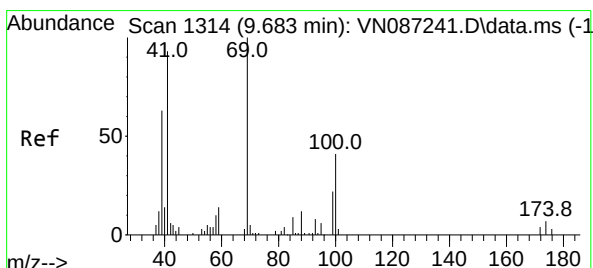
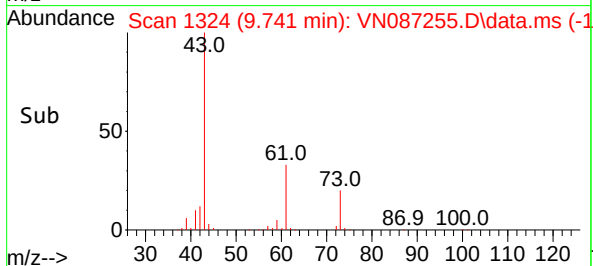
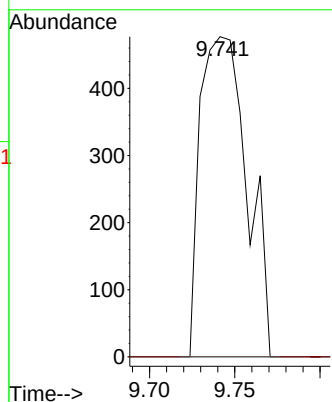
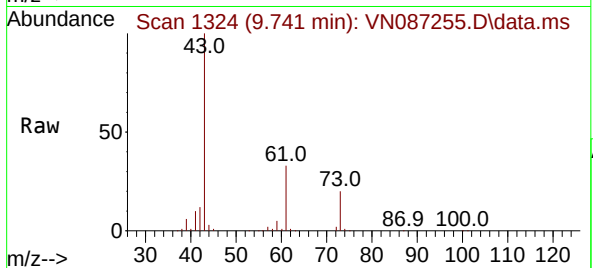
EP-2

Tgt Ion: 63 Resp: 916

Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.8#



#48

Methyl methacrylate

Concen: 28.408 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

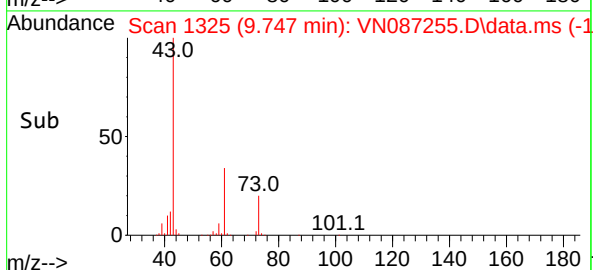
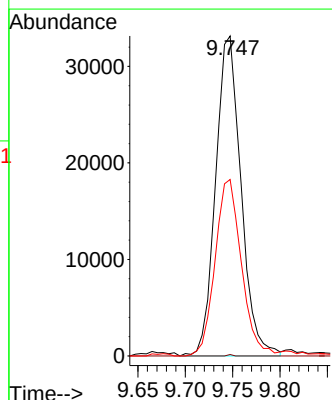
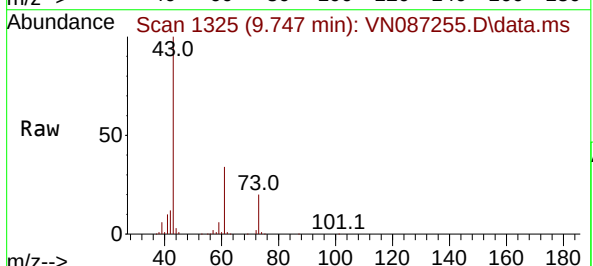
Tgt Ion: 41 Resp: 61872

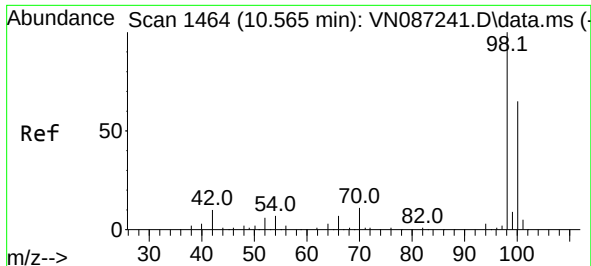
Ion Ratio Lower Upper

41 100

69 0.1 81.4 122.2#

39 57.2 56.9 85.3

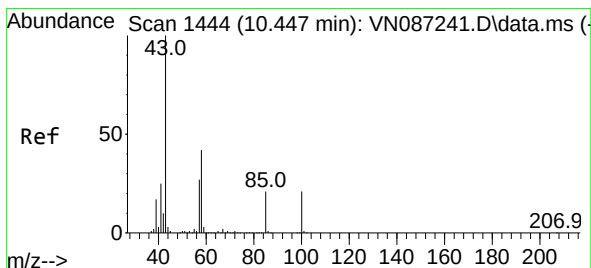
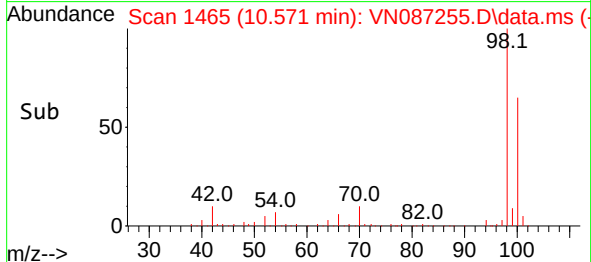
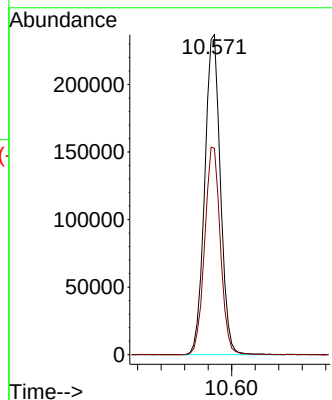
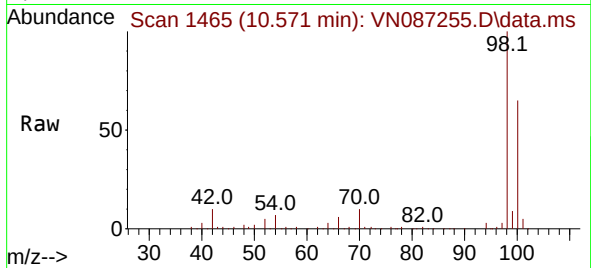




#50
Toluene-d8
Concen: 49.547 ug/l
RT: 10.571 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

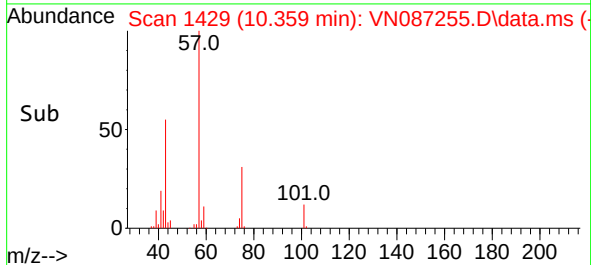
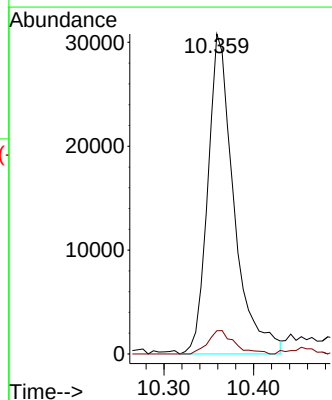
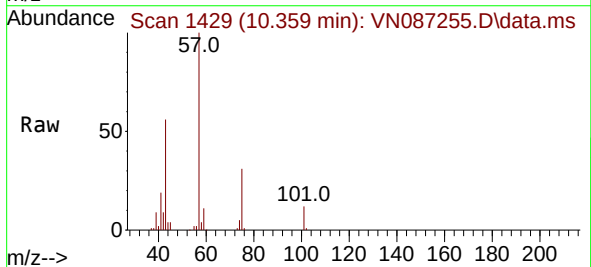
Instrument :
MSVOA_N
ClientSampleId :
EP-2

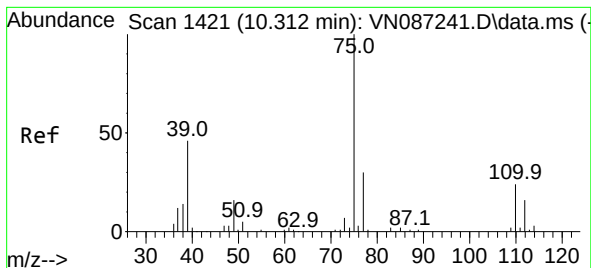
Tgt Ion: 98 Resp: 440214
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 19.676 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 43 Resp: 62212
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.2#

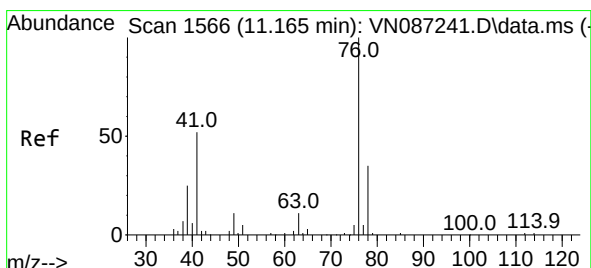
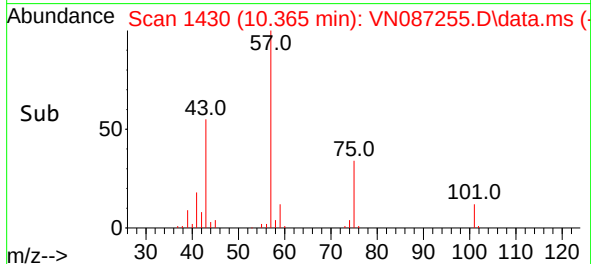
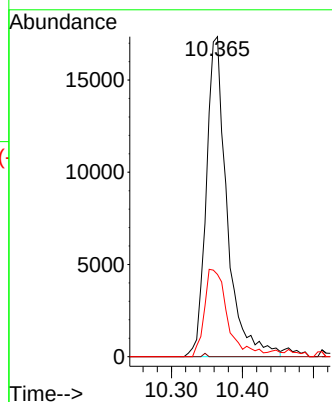
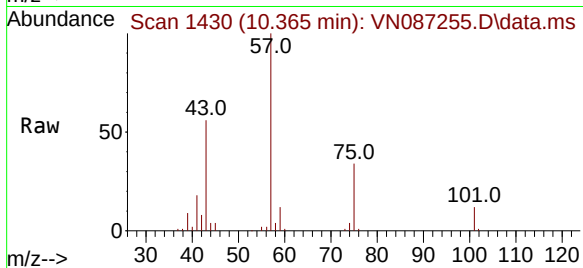




#54
 cis-1,3-Dichloropropene
 Concen: 9.493 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: VN087255.D
 Acq: 01 Jul 2025 12:18

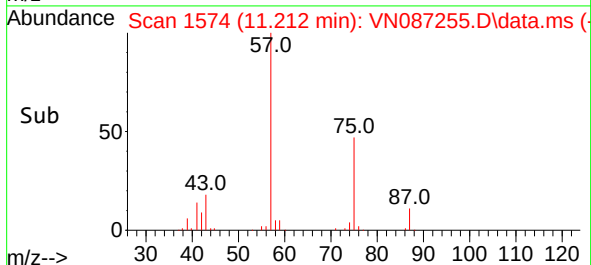
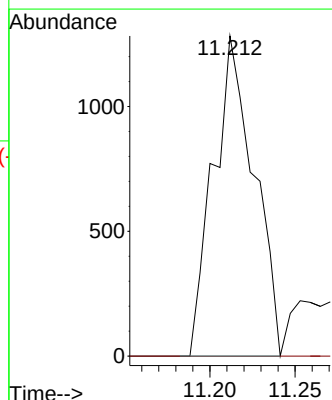
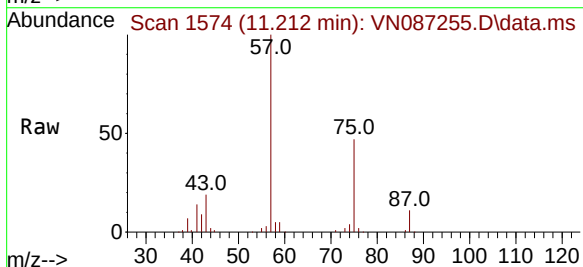
Instrument :
 MSVOA_N
 ClientSampleId :
 EP-2

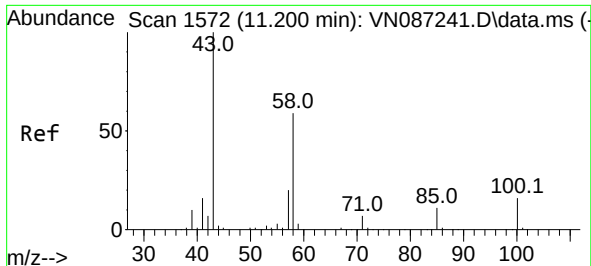
Tgt Ion: 75 Resp: 35242
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 25.7 36.7 55.1#



#57
 1,3-Dichloropropane
 Concen: 0.549 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN087255.D
 Acq: 01 Jul 2025 12:18

Tgt Ion: 76 Resp: 2131
 Ion Ratio Lower Upper
 76 100
 78 0.0 27.1 40.7#

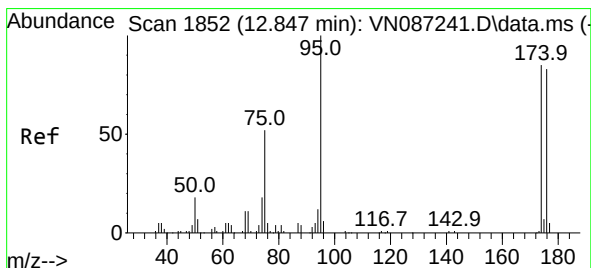
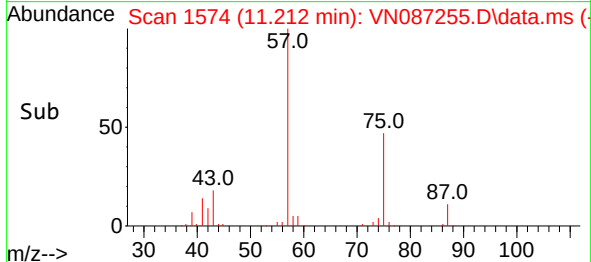
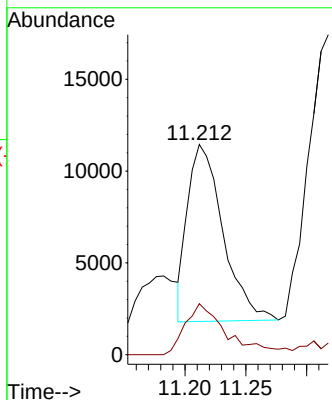
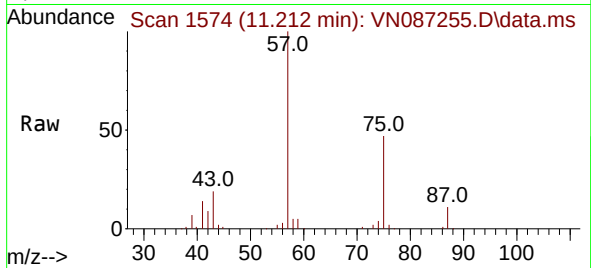




#59
2-Hexanone
Concen: 8.597 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

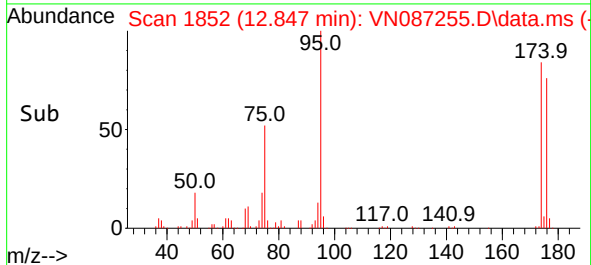
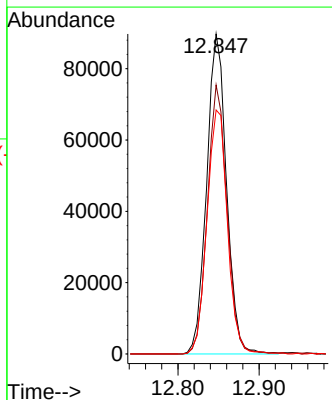
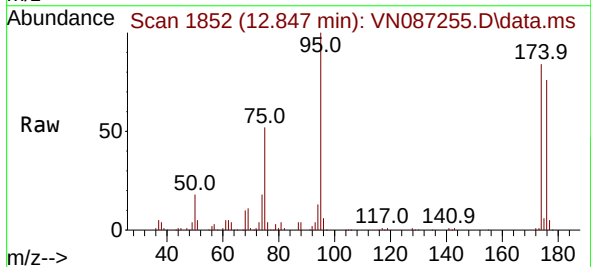
Instrument :
MSVOA_N
ClientSampleId :
EP-2

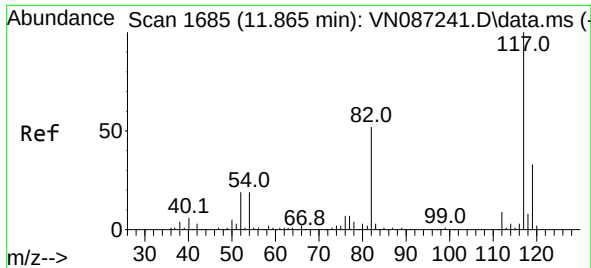
Tgt Ion: 43 Resp: 19471
Ion Ratio Lower Upper
43 100
58 33.2 31.1 93.3



#62
4-Bromofluorobenzene
Concen: 48.256 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion: 95 Resp: 152551
Ion Ratio Lower Upper
95 100
174 83.3 0.0 169.6
176 78.6 0.0 161.6

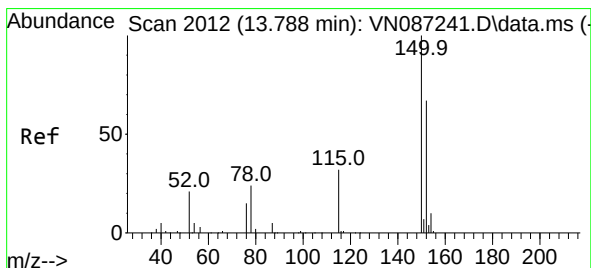
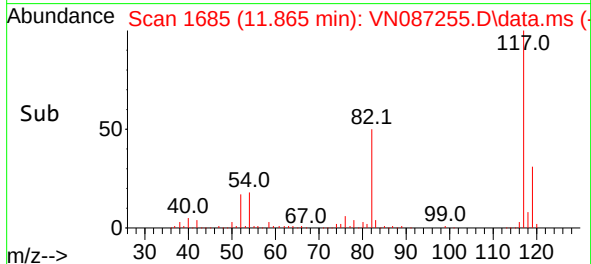
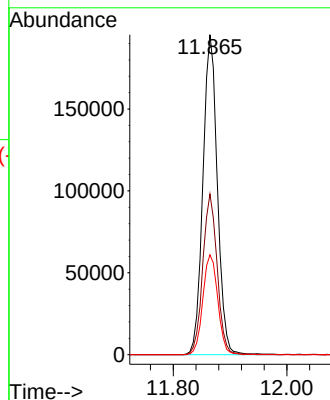
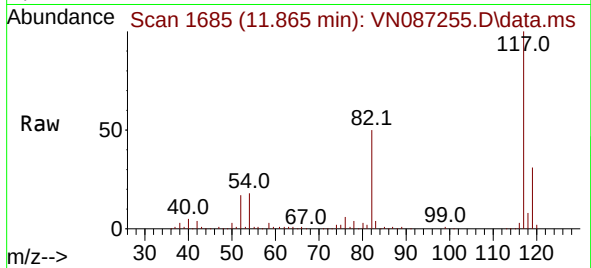




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

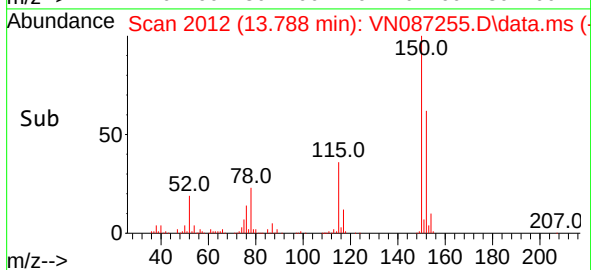
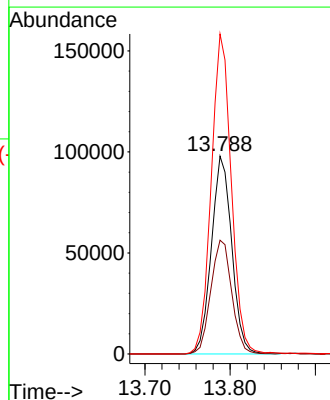
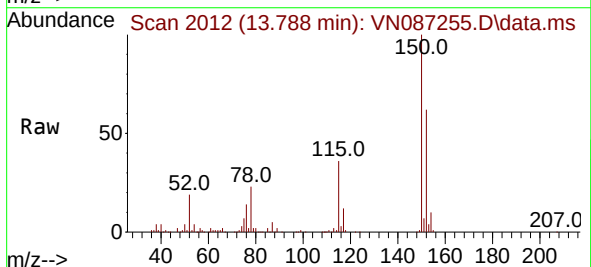
Instrument :
MSVOA_N
ClientSampleId :
EP-2

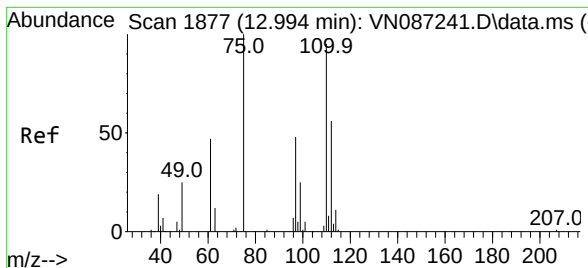
Tgt Ion:117 Resp: 344628
Ion Ratio Lower Upper
117 100
82 50.2 41.9 62.9
119 31.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087255.D
Acq: 01 Jul 2025 12:18

Tgt Ion:152 Resp: 162807
Ion Ratio Lower Upper
152 100
115 59.0 28.3 84.9
150 159.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 24.524 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

Instrument :

MSVOA_N

ClientSampleId :

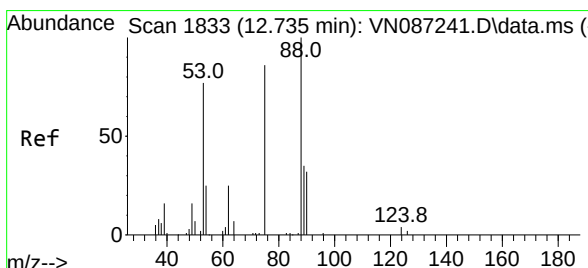
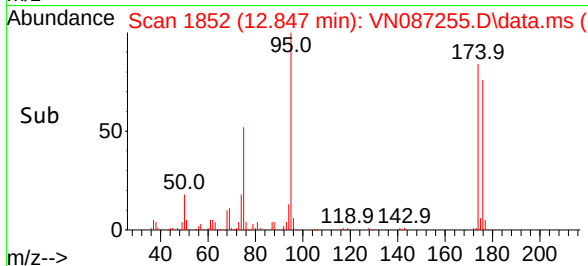
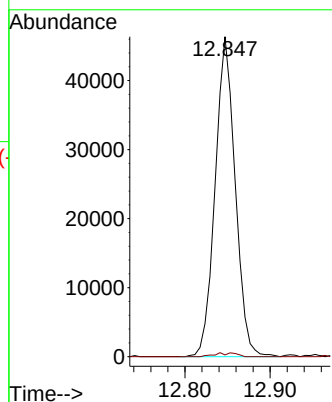
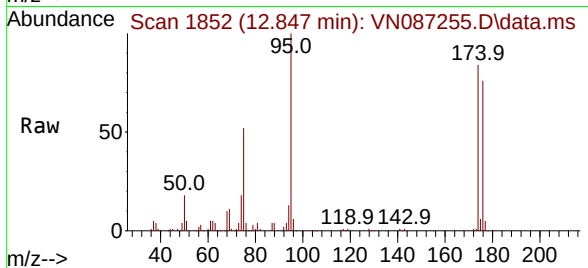
EP-2

Tgt Ion: 75 Resp: 75944

Ion Ratio Lower Upper

75 100

77 0.7 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.604 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087255.D

Acq: 01 Jul 2025 12:18

Tgt Ion: 75 Resp: 75944

Ion Ratio Lower Upper

75 100

53 0.0 70.6 105.8#

89 0.0 36.1 54.1#

