

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087266.D
 Acq On : 03 Jul 2025 13:21
 Operator : JC\MD
 Sample : PB168690TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168690TB

Quant Time: Jul 04 01:30:33 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

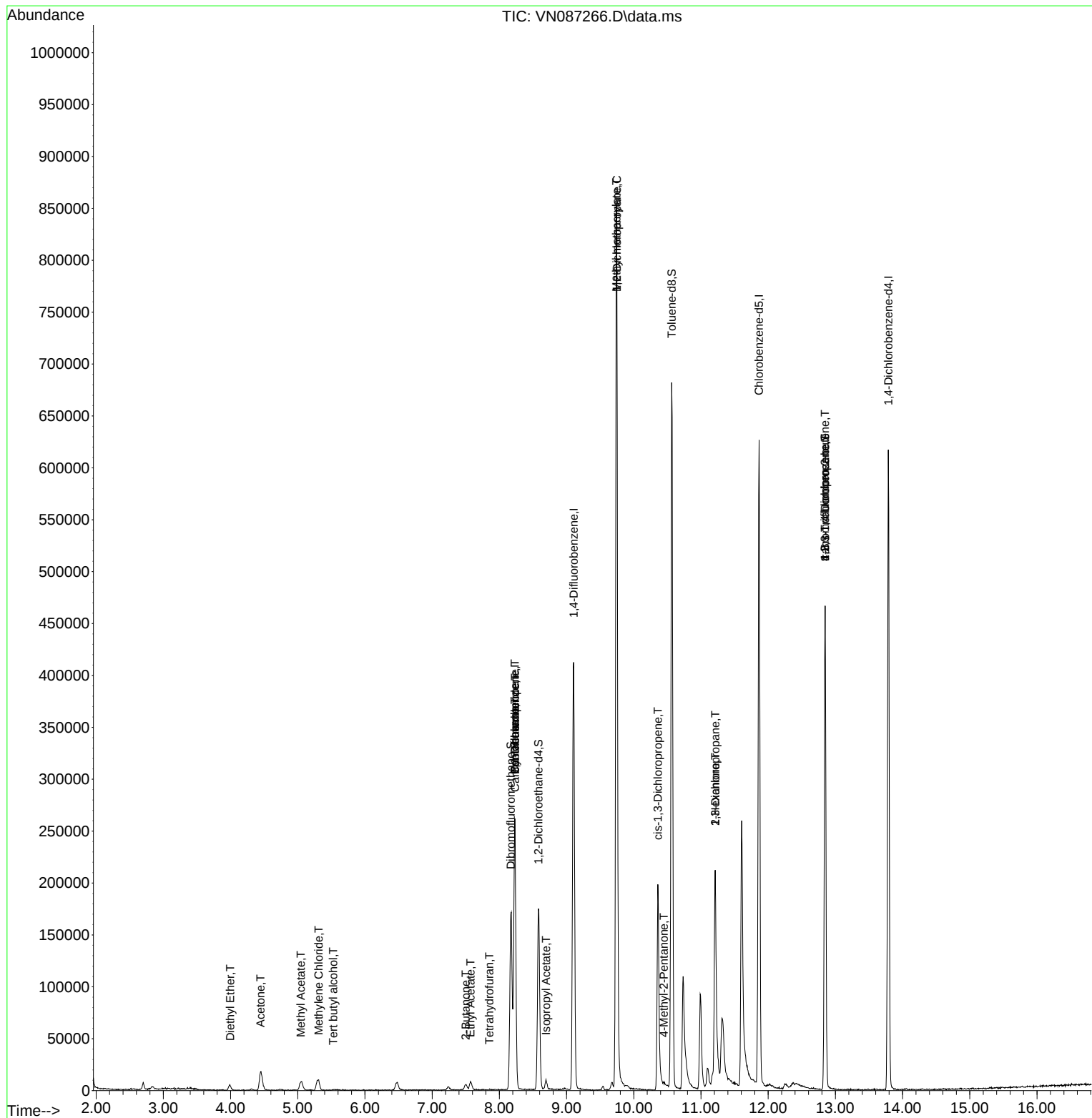
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	200936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	384985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145209	57.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.160%
35) Dibromofluoromethane	8.171	113	128857	52.273	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.540%
50) Toluene-d8	10.565	98	484631	50.438	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.880%
62) 4-Bromofluorobenzene	12.847	95	161874	47.349	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.700%
Target Compounds						Qvalue
8) Diethyl Ether	3.995	74	3201	2.961	ug/l	91
11) Tert butyl alcohol	5.530	59	654	1.423	ug/l #	72
16) Acetone	4.447	43	36186	37.532	ug/l	90
18) Methyl Acetate	5.047	43	17773	8.052	ug/l	96
20) Methylene Chloride	5.312	84	9349	4.377	ug/l	96
25) 2-Butanone	7.500	43	9253	6.141	ug/l #	84
29) Tetrahydrofuran	7.853	42	215	0.221	ug/l #	87
31) Cyclohexane	8.230	56	3629	1.057	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	15048	4.489	ug/l #	51
37) Ethyl Acetate	7.571	43	12716	3.529	ug/l	98
38) Carbon Tetrachloride	8.235	117	19106	5.030	ug/l #	16
43) Isopropyl Acetate	8.694	43	9931	1.777	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1249	0.552	ug/l #	45
48) Methyl methacrylate	9.741	41	82928	35.208	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	4305	1.259	ug/l #	59
54) cis-1,3-Dichloropropene	10.359	75	44825	11.165	ug/l #	62
57) 1,3-Dichloropropane	11.212	76	3123	0.744	ug/l #	41
59) 2-Hexanone	11.212	43	31215	12.745	ug/l #	56
76) 1,2,3-Trichloropropane	12.847	75	81382	24.414	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81382	57.345	ug/l #	14

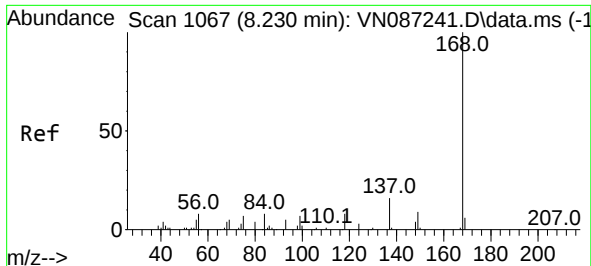
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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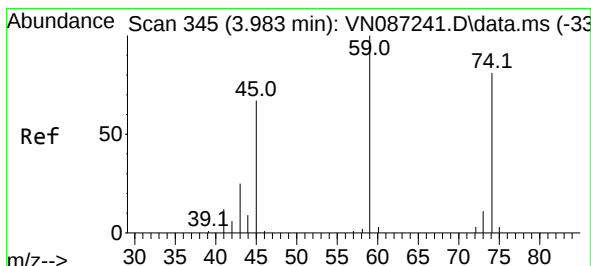
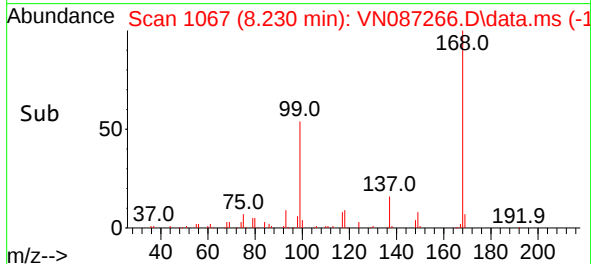
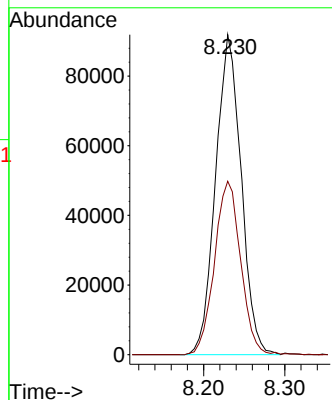
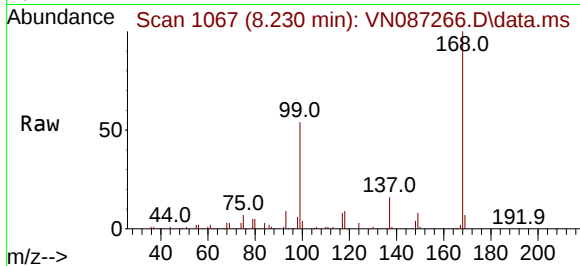




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

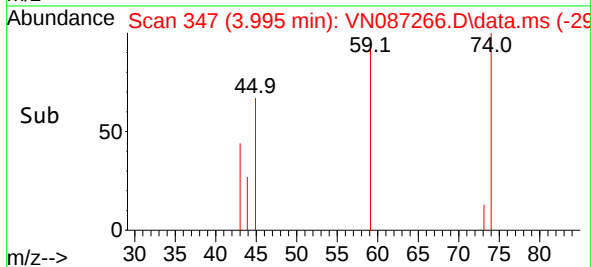
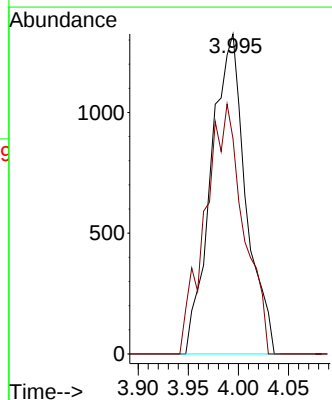
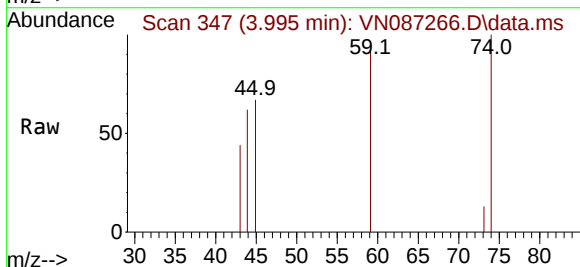
Instrument :
MSVOA_N
ClientSampleId :
PB168690TB

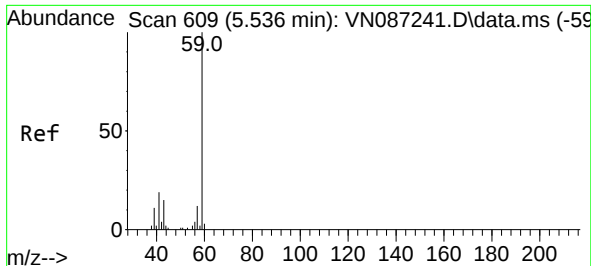
Tgt Ion:168 Resp: 200936
Ion Ratio Lower Upper
168 100
99 54.2 42.6 64.0



#8
Diethyl Ether
Concen: 2.961 ug/l
RT: 3.995 min Scan# 347
Delta R.T. 0.012 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 74 Resp: 3201
Ion Ratio Lower Upper
74 100
45 86.4 39.4 118.1

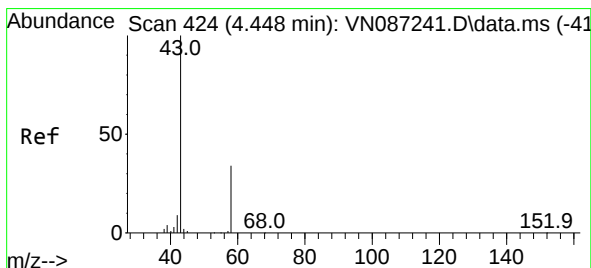
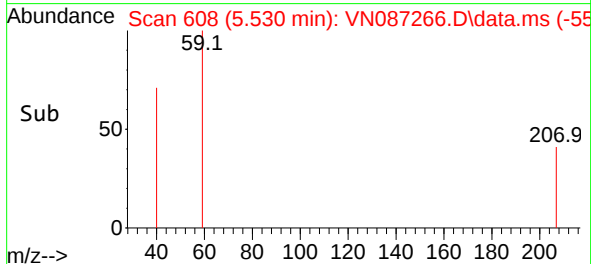
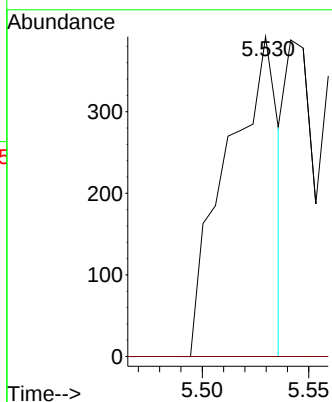
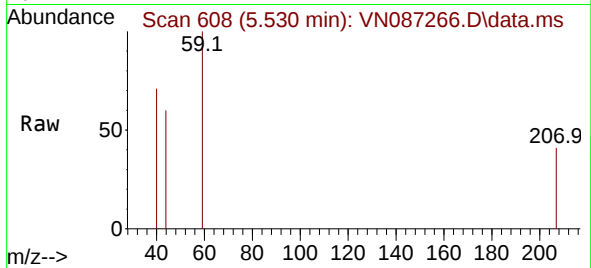




#11
Tert butyl alcohol
Concen: 1.423 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

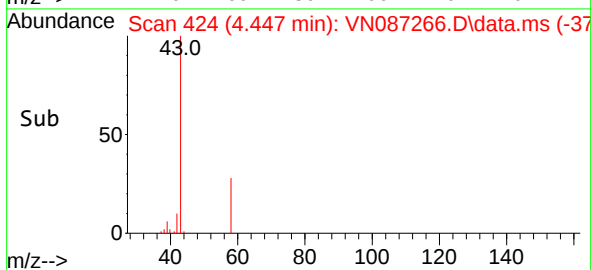
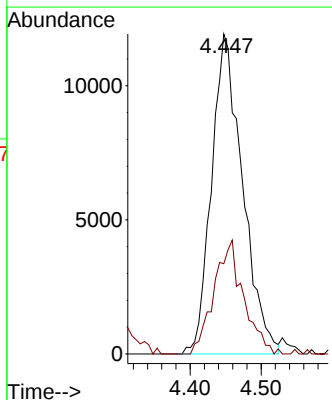
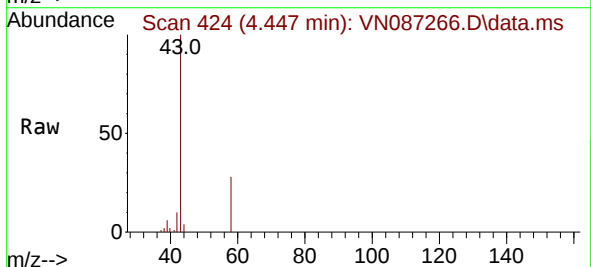
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ClientSampleId :
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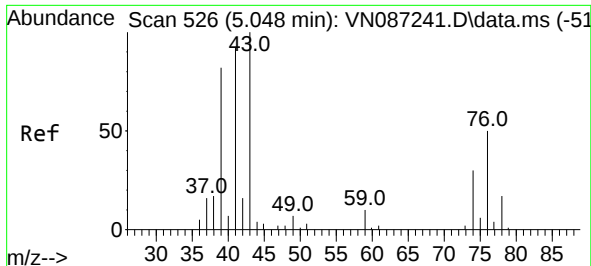
Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 37.532 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 43 Resp: 36186
Ion Ratio Lower Upper
43 100
58 28.2 27.1 40.7

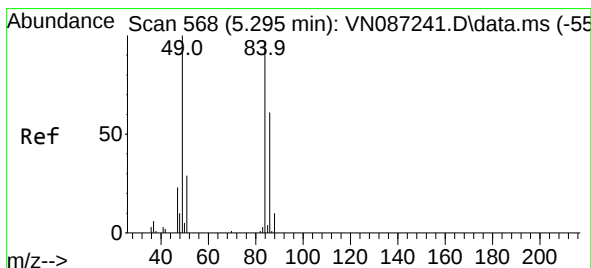
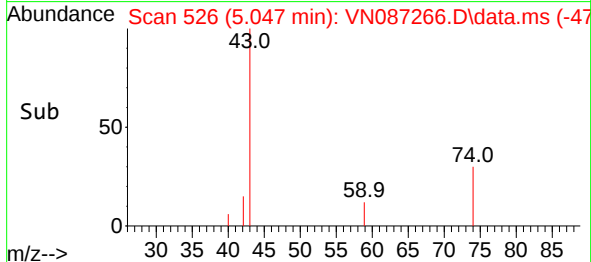
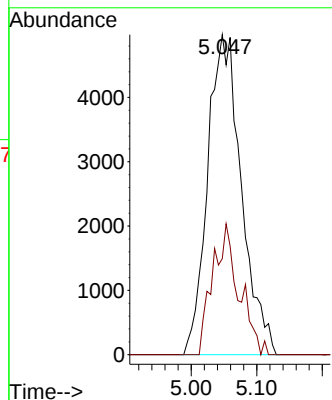
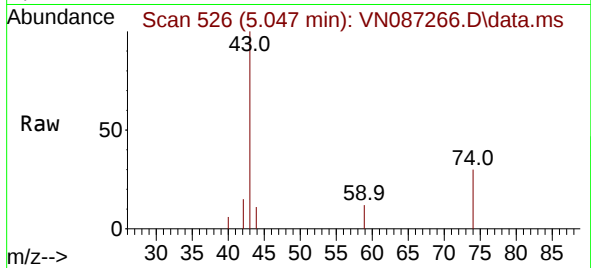




#18
Methyl Acetate
Concen: 8.052 ug/l
RT: 5.047 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

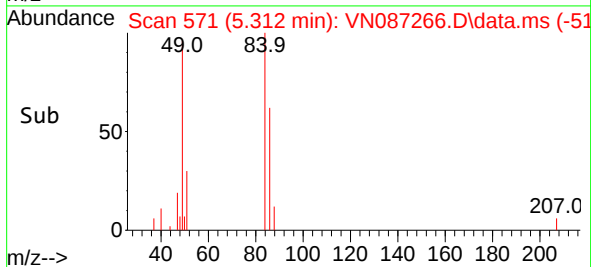
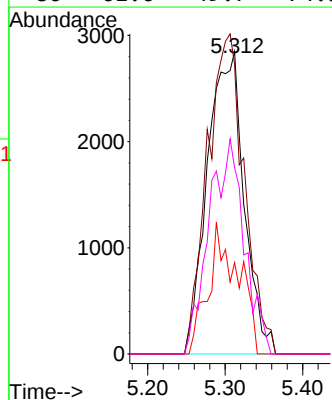
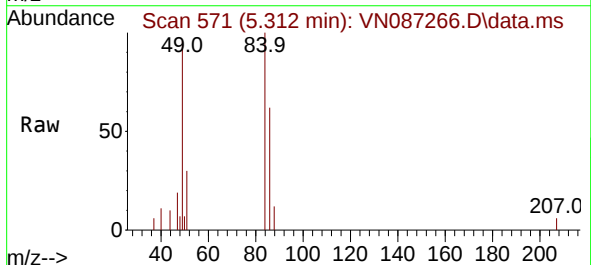
Instrument :
MSVOA_N
ClientSampleId :
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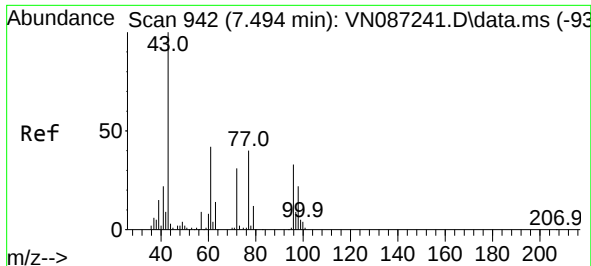
Tgt Ion: 43 Resp: 17773
Ion Ratio Lower Upper
43 100
74 31.9 23.8 35.6



#20
Methylene Chloride
Concen: 4.377 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 84 Resp: 9349
Ion Ratio Lower Upper
84 100
49 95.7 82.1 123.1
51 30.2 23.5 35.3
86 61.6 49.7 74.5

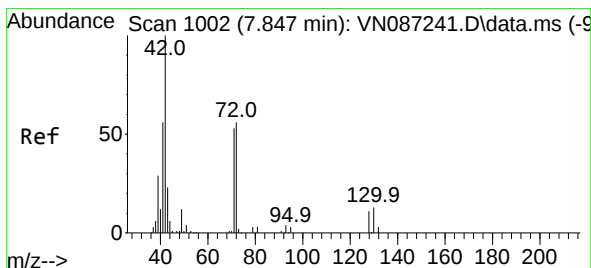
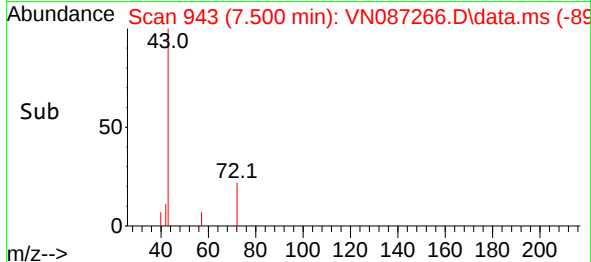
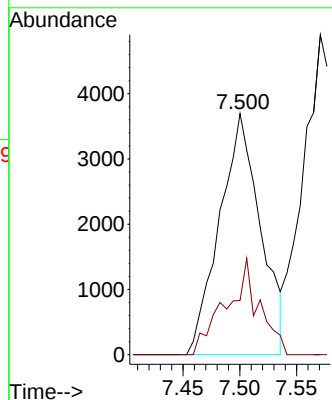
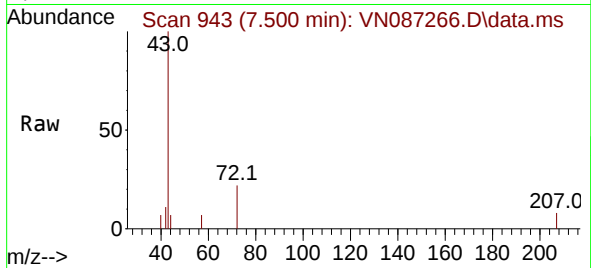




#25
2-Butanone
Concen: 6.141 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

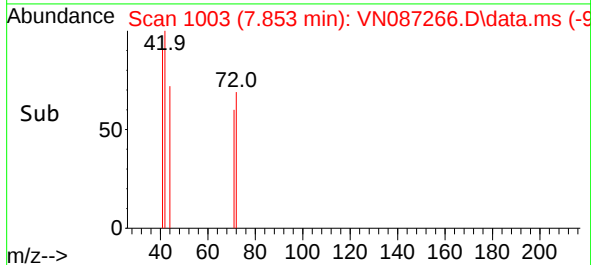
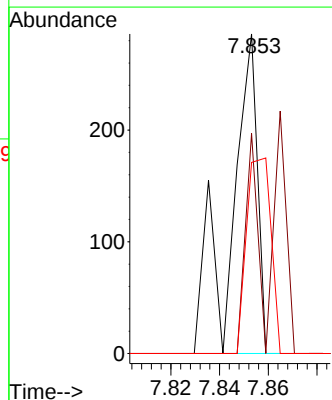
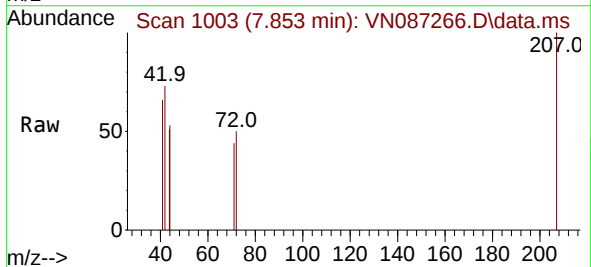
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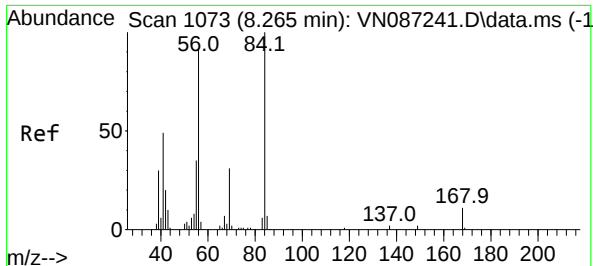
Tgt Ion: 43 Resp: 9253
Ion Ratio Lower Upper
43 100
72 22.4 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

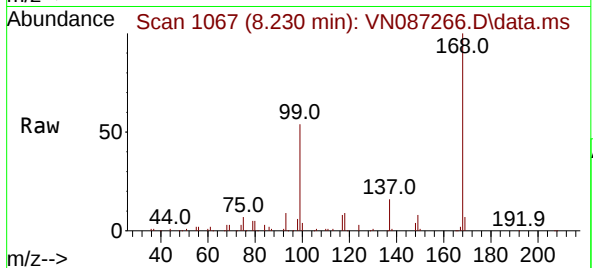
Tgt Ion: 42 Resp: 215
Ion Ratio Lower Upper
42 100
72 67.9 44.2 66.4#
71 56.7 41.1 61.7



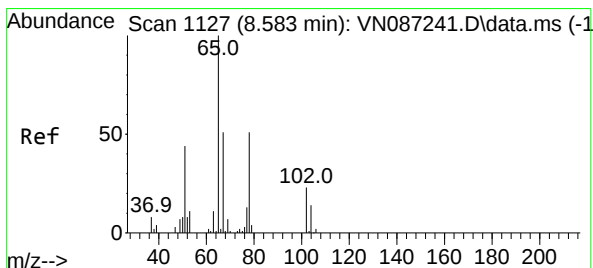
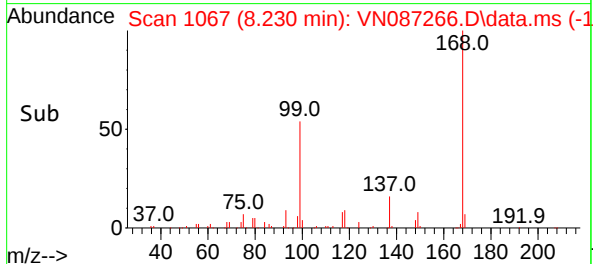
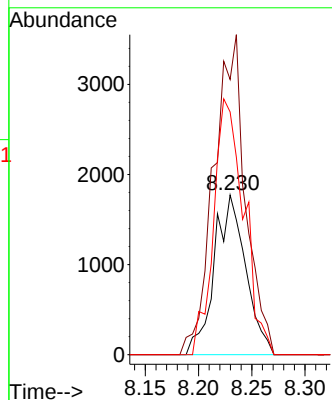


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
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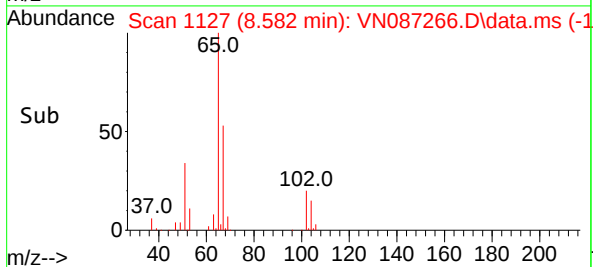
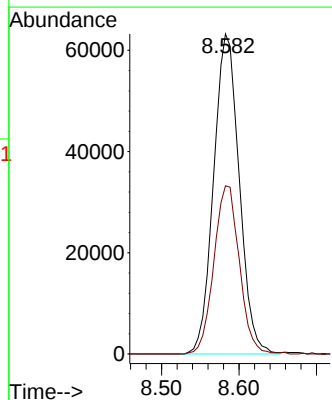
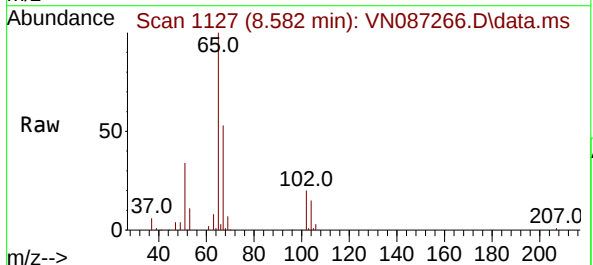


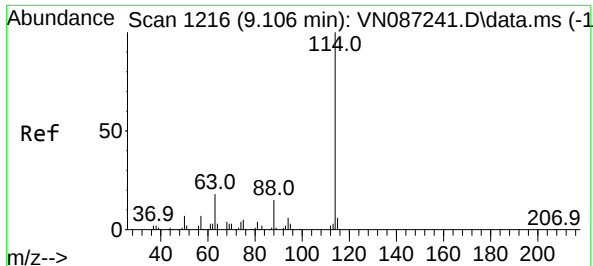
Tgt Ion: 56 Resp: 3629
Ion Ratio Lower Upper
56 100
69 172.4 27.0 40.6#
84 152.1 86.2 129.4#



#33
1,2-Dichloroethane-d4
Concen: 57.580 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 65 Resp: 145209
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.6

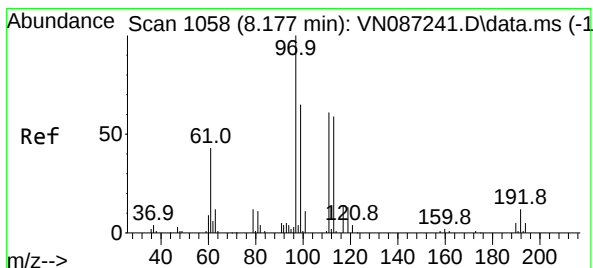
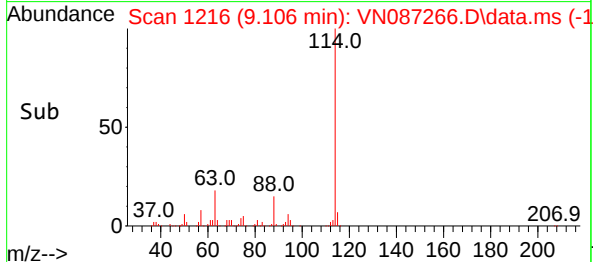
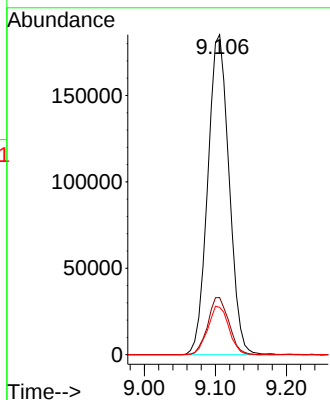
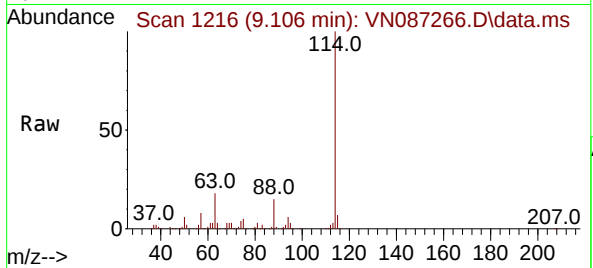




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

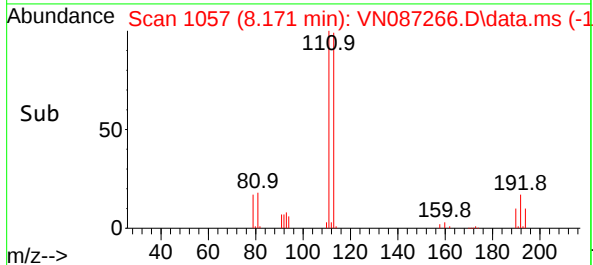
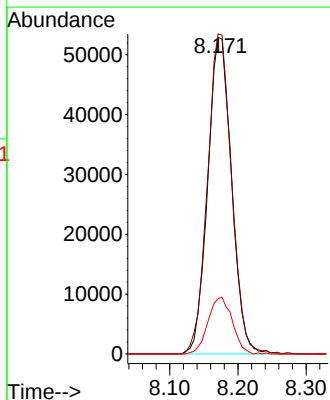
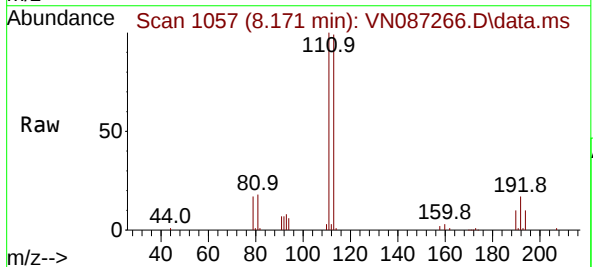
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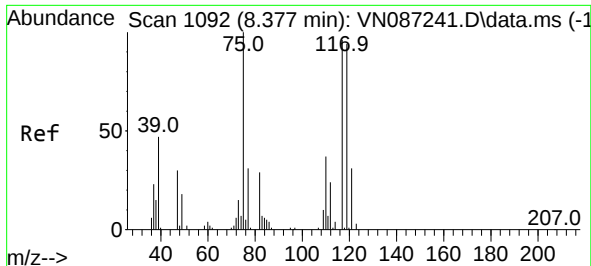
Tgt Ion:114 Resp: 384985
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.6
88 14.8 0.0 29.6



#35
Dibromofluoromethane
Concen: 52.273 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion:113 Resp: 128857
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 18.2 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.489 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

PB168690TB

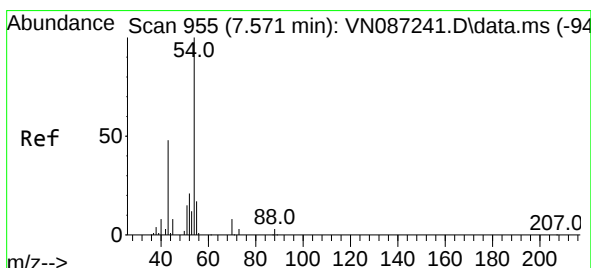
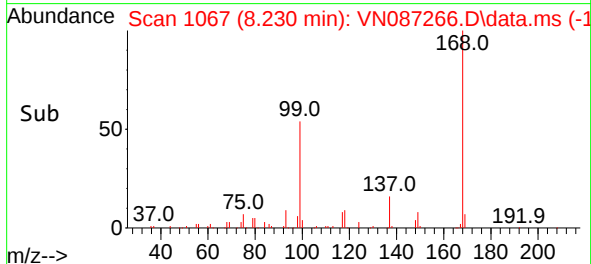
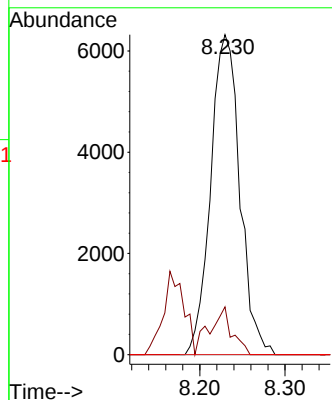
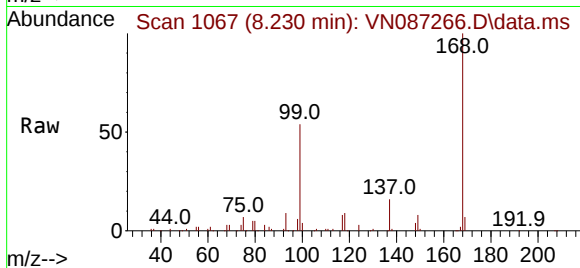
Tgt Ion: 75 Resp: 15048

Ion Ratio Lower Upper

75 100

110 11.5 18.7 56.1#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 3.529 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

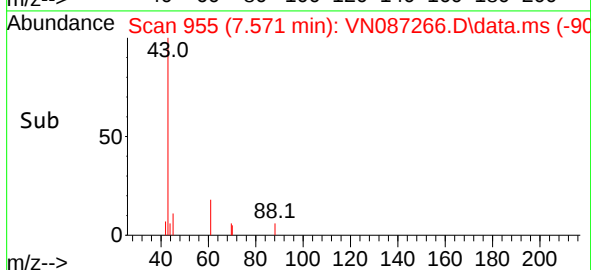
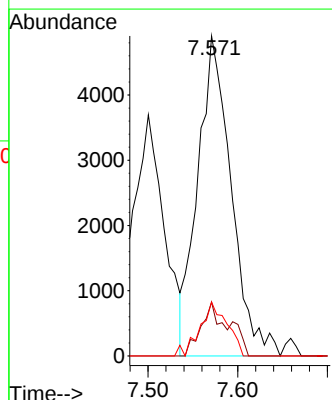
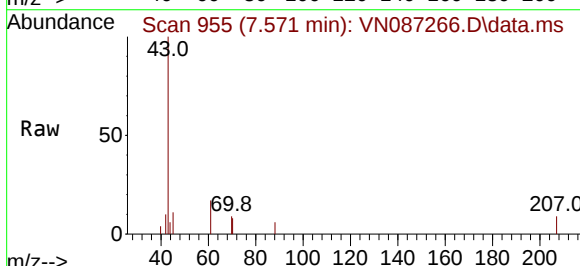
Tgt Ion: 43 Resp: 12716

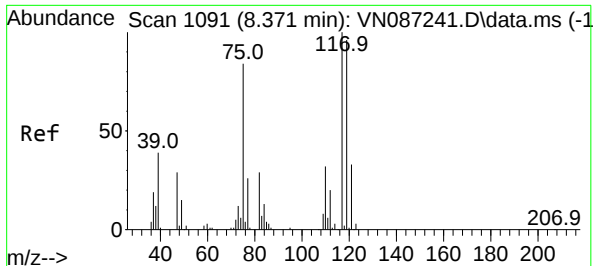
Ion Ratio Lower Upper

43 100

61 13.8 11.3 16.9

70 13.6 9.9 14.9

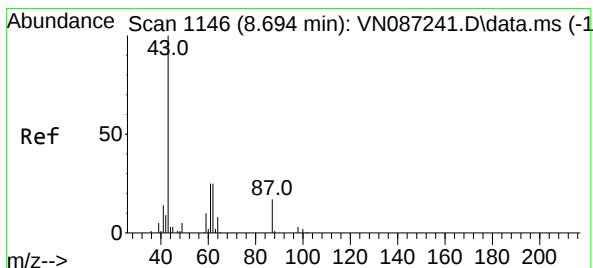
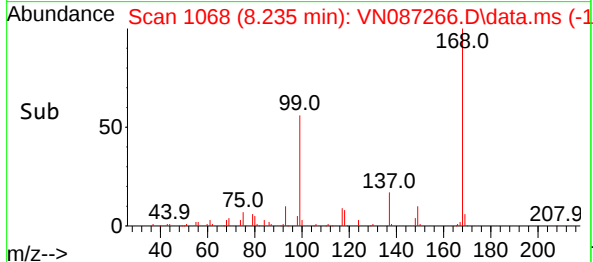
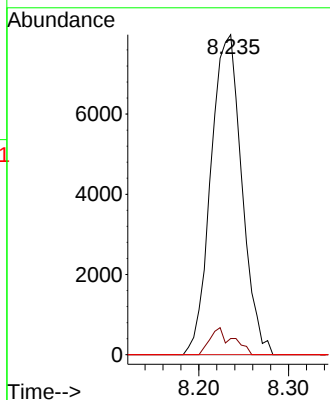
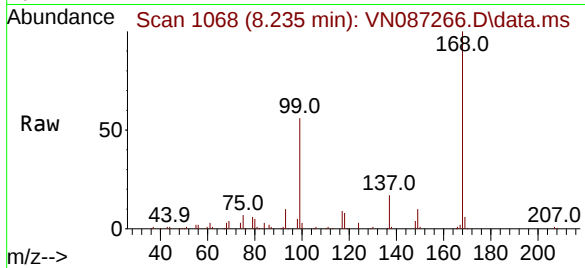




#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 8.235 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

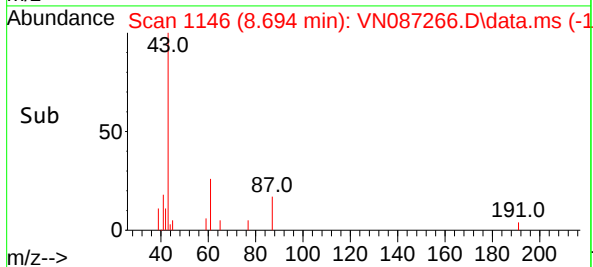
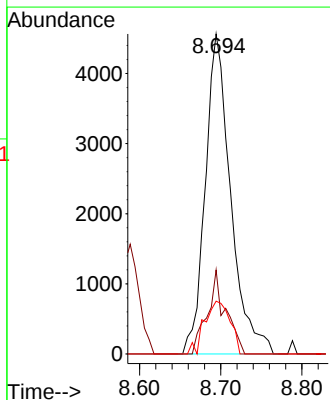
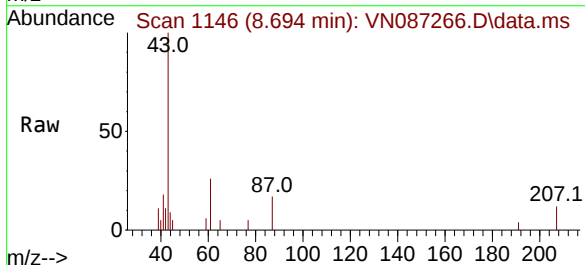
Instrument :
MSVOA_N
ClientSampleId :
PB168690TB

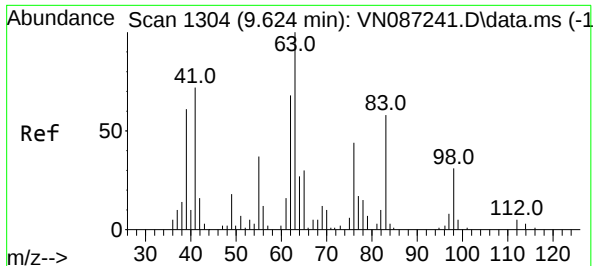
Tgt Ion:117 Resp: 19106
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 26.6 39.8#



#43
Isopropyl Acetate
Concen: 1.777 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 43 Resp: 9931
Ion Ratio Lower Upper
43 100
61 19.0 22.4 33.6#
87 16.5 12.8 19.2





#45

1,2-Dichloropropane

Concen: 0.552 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

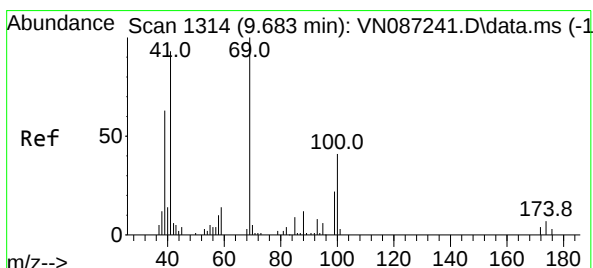
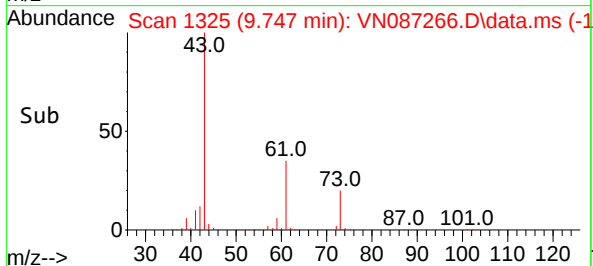
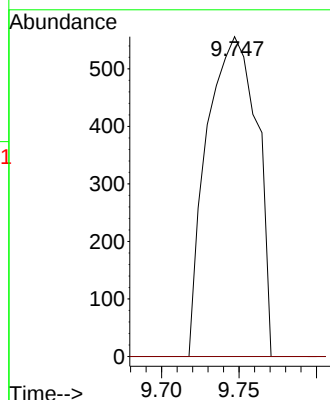
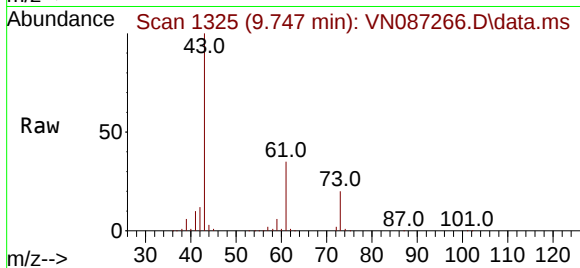
PB168690TB

Tgt Ion: 63 Resp: 1249

Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.8#



#48

Methyl methacrylate

Concen: 35.208 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

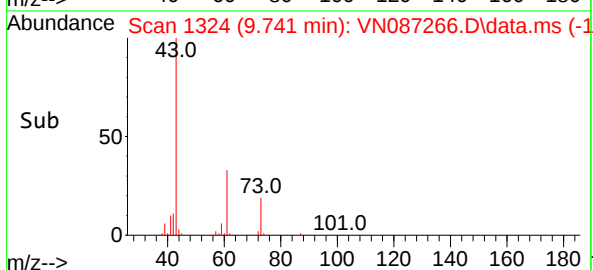
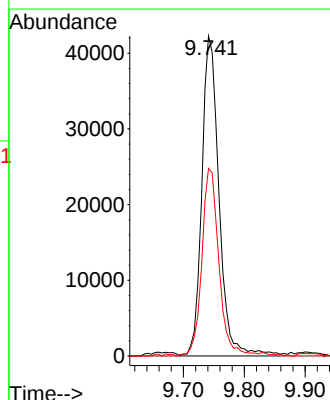
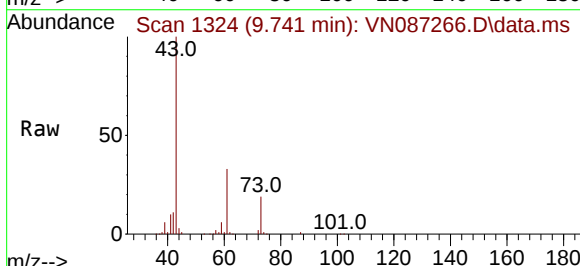
Tgt Ion: 41 Resp: 82928

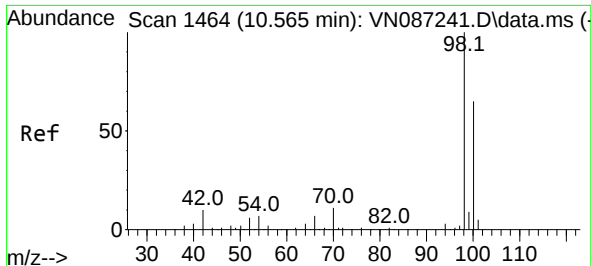
Ion Ratio Lower Upper

41 100

69 0.0 81.4 122.2#

39 58.1 56.9 85.3

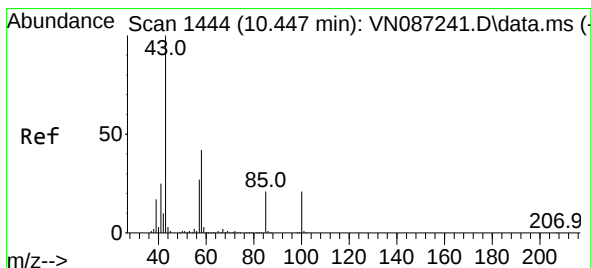
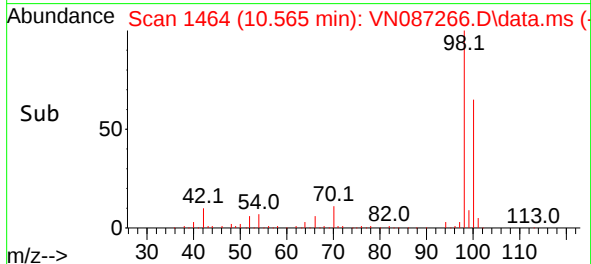
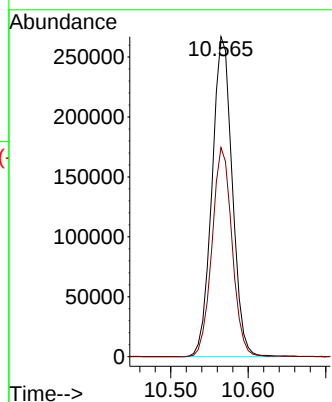
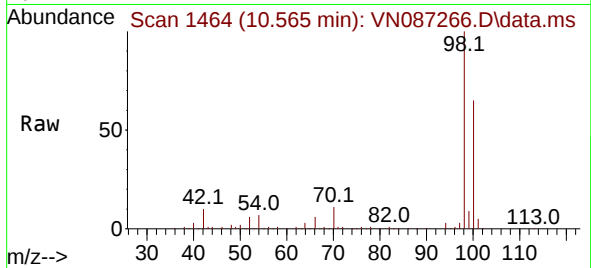




#50
Toluene-d8
Concen: 50.438 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

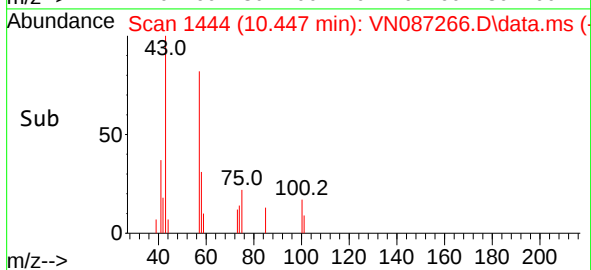
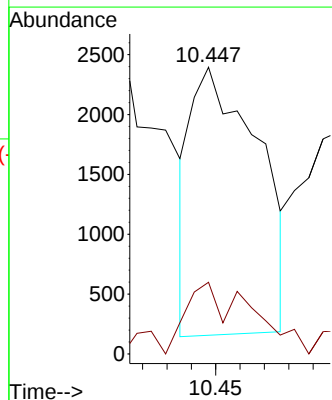
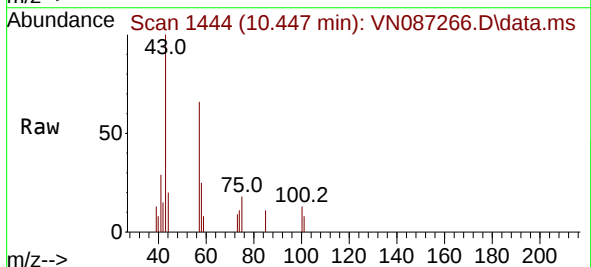
Instrument :
MSVOA_N
ClientSampleId :
PB168690TB

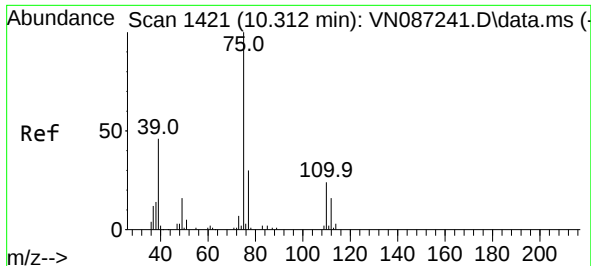
Tgt Ion: 98 Resp: 484631
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.259 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 43 Resp: 4305
Ion Ratio Lower Upper
43 100
58 16.4 34.2 51.2#

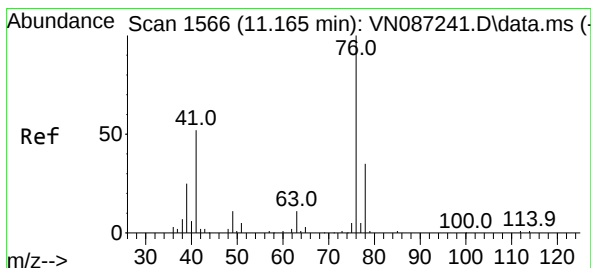
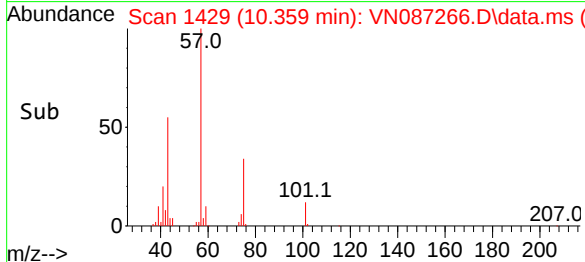
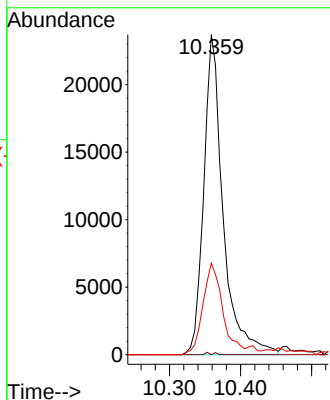
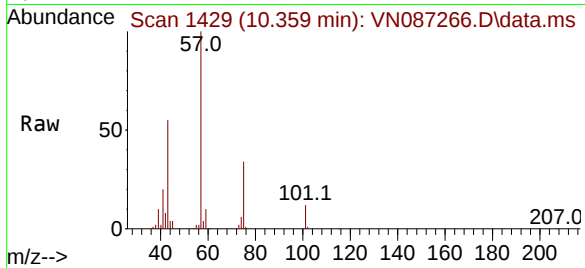




#54
 cis-1,3-Dichloropropene
 Concen: 11.165 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN087266.D
 Acq: 03 Jul 2025 13:21

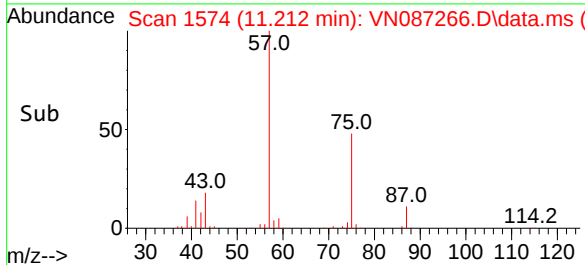
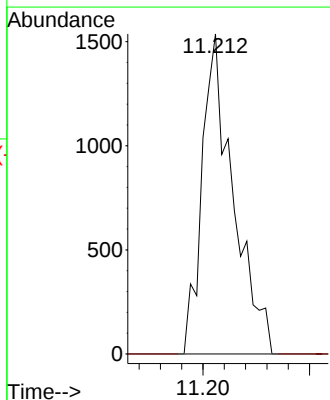
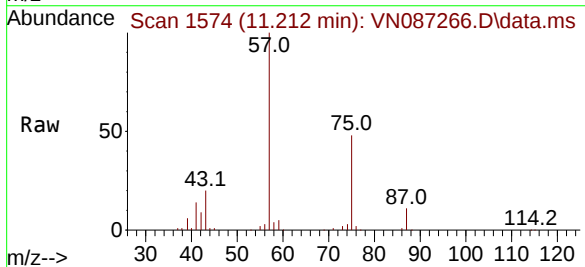
Instrument :
 MSVOA_N
 ClientSampleId :
 PB168690TB

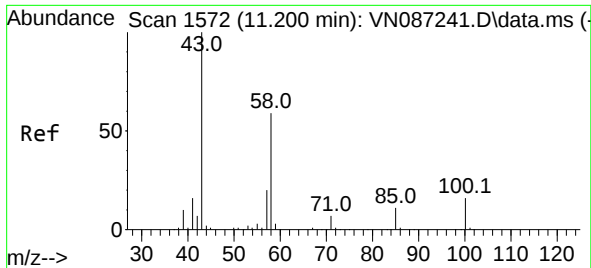
Tgt Ion: 75 Resp: 44825
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 28.6 36.7 55.1#



#57
 1,3-Dichloropropane
 Concen: 0.744 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN087266.D
 Acq: 03 Jul 2025 13:21

Tgt Ion: 76 Resp: 3123
 Ion Ratio Lower Upper
 76 100
 78 0.0 27.1 40.7#

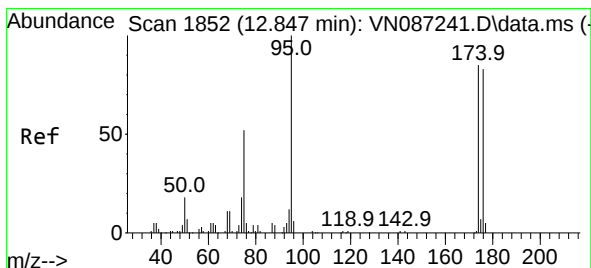
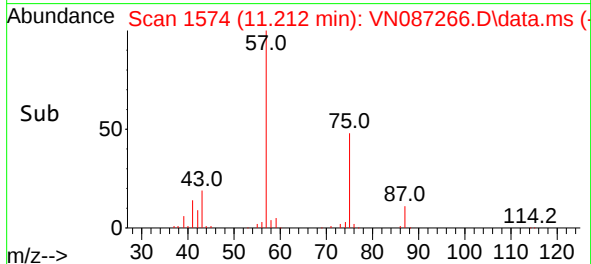
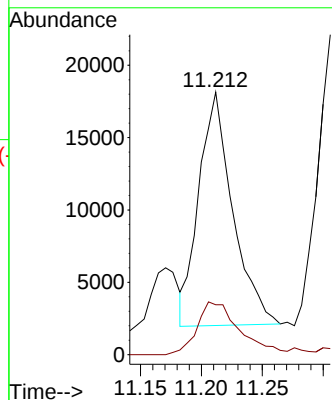
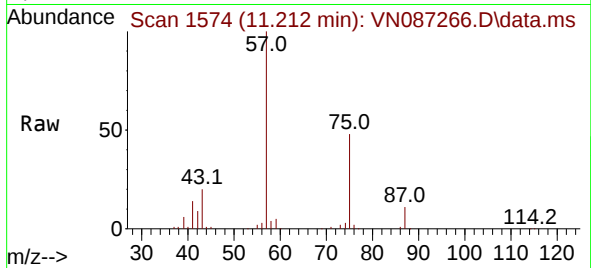




#59
2-Hexanone
Concen: 12.745 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

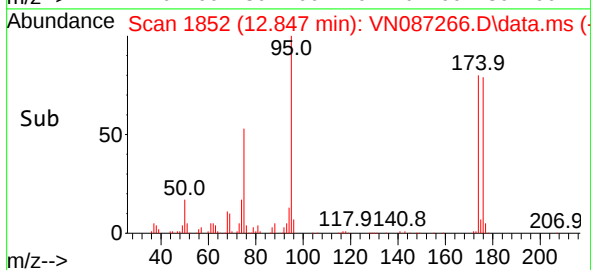
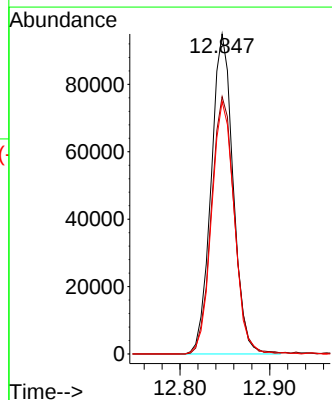
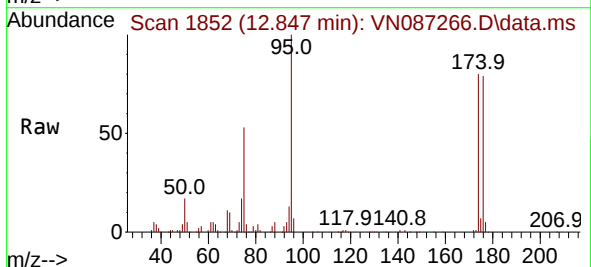
Instrument :
MSVOA_N
ClientSampleId :
PB168690TB

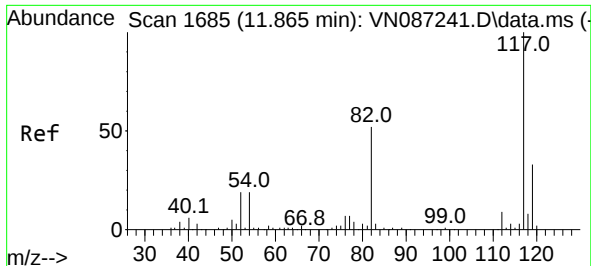
Tgt Ion: 43 Resp: 31215
Ion Ratio Lower Upper
43 100
58 28.3 31.1 93.3#



#62
4-Bromofluorobenzene
Concen: 47.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion: 95 Resp: 161874
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.6
176 81.2 0.0 161.6

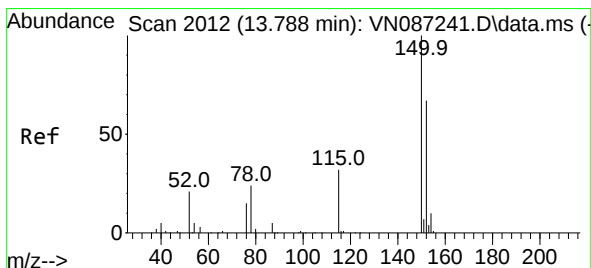
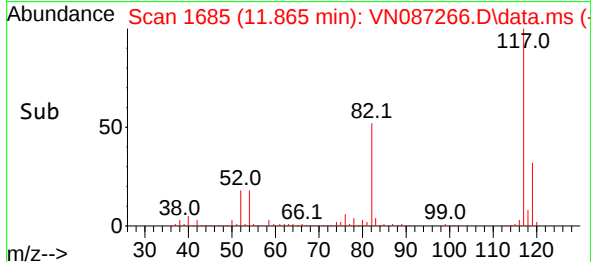
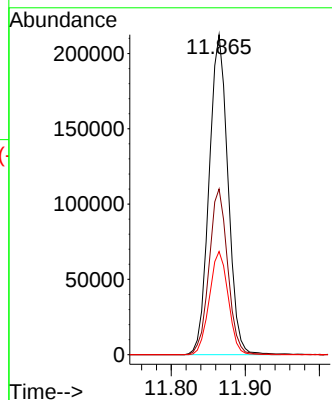
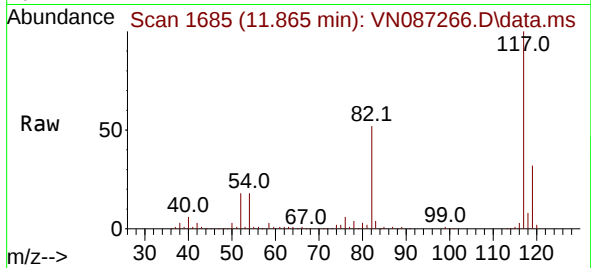




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

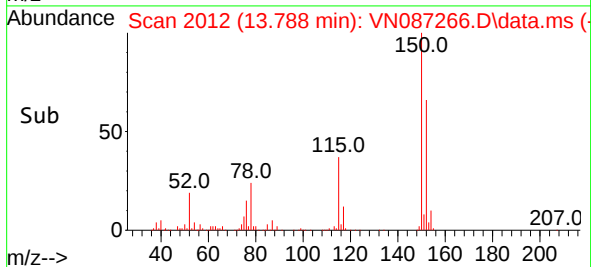
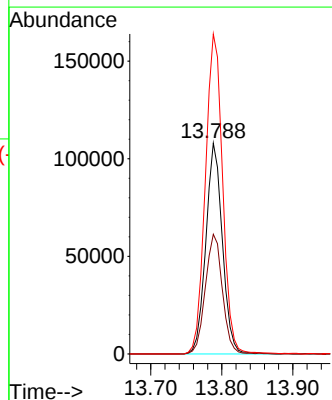
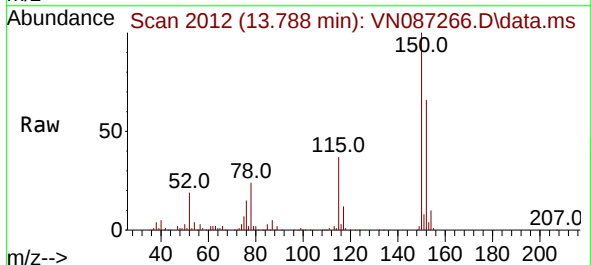
Instrument :
MSVOA_N
ClientSampleId :
PB168690TB

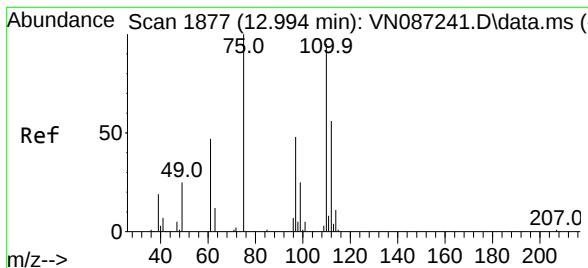
Tgt Ion:117 Resp: 375178
Ion Ratio Lower Upper
117 100
82 51.7 41.9 62.9
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087266.D
Acq: 03 Jul 2025 13:21

Tgt Ion:152 Resp: 175253
Ion Ratio Lower Upper
152 100
115 58.6 28.3 84.9
150 157.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 24.414 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

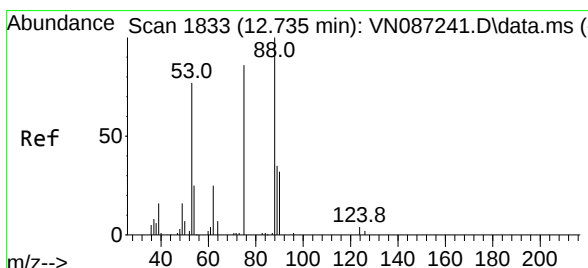
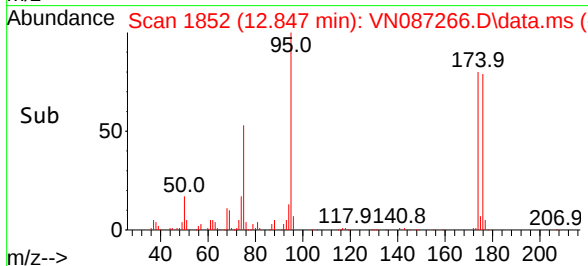
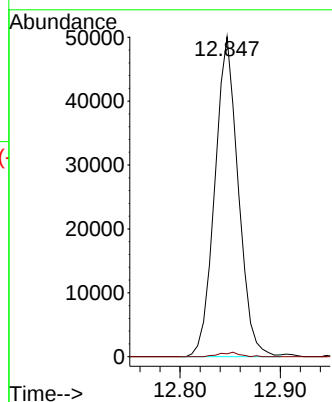
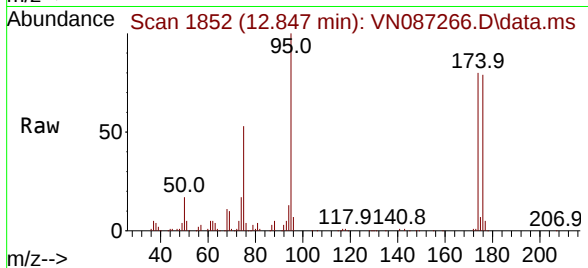
PB168690TB

Tgt Ion: 75 Resp: 81382

Ion Ratio Lower Upper

75 100

77 1.2 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.345 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

Tgt Ion: 75 Resp: 81382

Ion Ratio Lower Upper

75 100

53 0.0 70.6 105.8#

89 0.1 36.1 54.1#

