

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087287.D
 Acq On : 07 Jul 2025 12:23
 Operator : JC\MD
 Sample : Q2487-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

Quant Time: Jul 08 01:31:35 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	8.229	168	229669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	438833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202126	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	166739	57.846	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.700%	
35) Dibromofluoromethane	8.177	113	146425	52.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.220%	
50) Toluene-d8	10.565	98	546773	49.923	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	12.847	95	184835	47.431	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.860%	

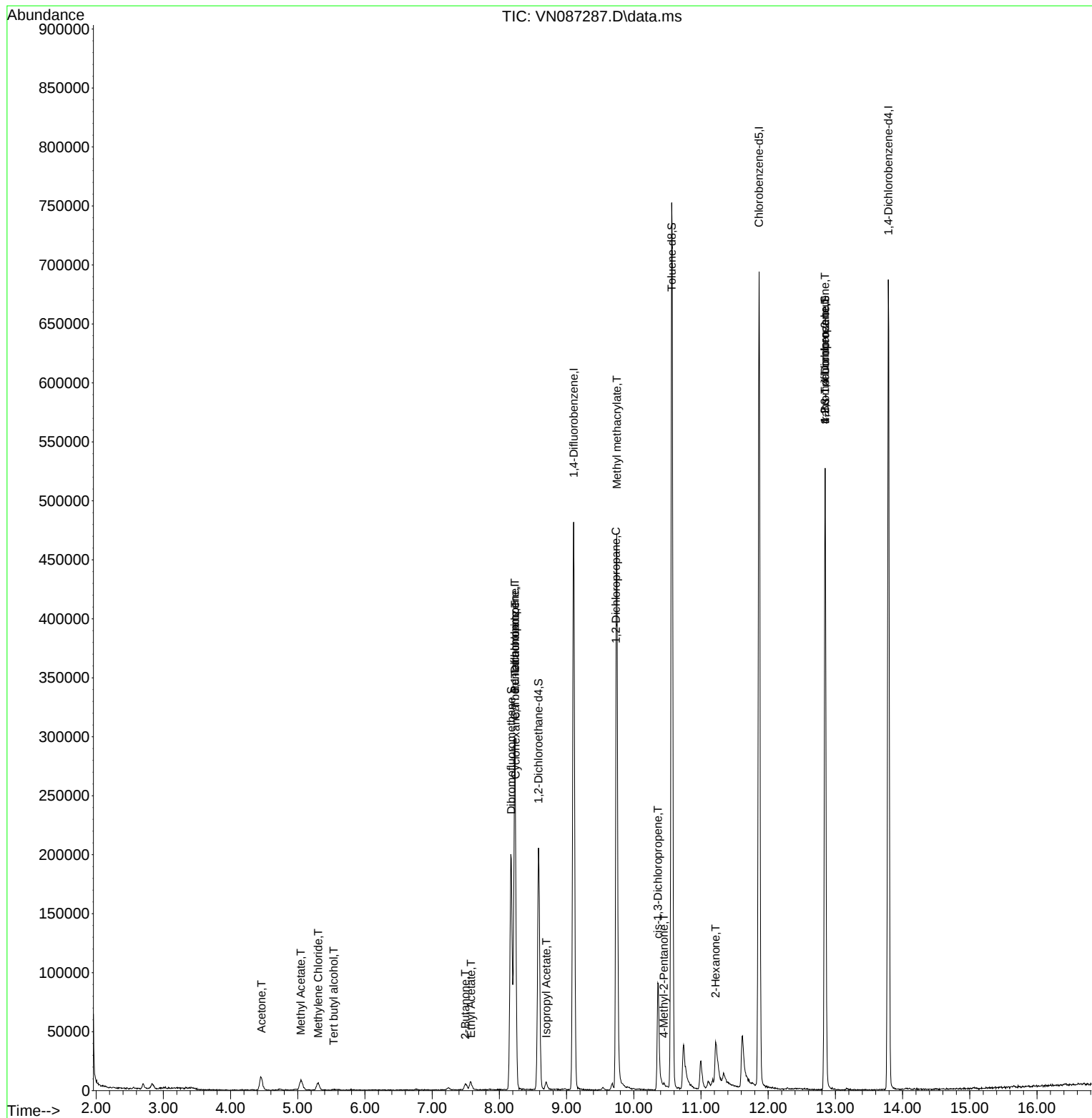
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	1132	2.155	ug/l #	72
16) Acetone	4.459	43	22717	20.614	ug/l	95
18) Methyl Acetate	5.047	43	18711	7.417	ug/l	91
20) Methylene Chloride	5.306	84	5164	2.115	ug/l #	83
25) 2-Butanone	7.494	43	9574	5.559	ug/l #	85
31) Cyclohexane	8.241	56	4210	1.072	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	17027	4.456	ug/l #	48
37) Ethyl Acetate	7.577	43	10351	2.520	ug/l	96
38) Carbon Tetrachloride	8.235	117	21916	5.062	ug/l #	16
43) Isopropyl Acetate	8.700	43	6928	1.088	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	744	0.288	ug/l #	45
48) Methyl methacrylate	9.747	41	44507	16.577	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	1689	0.433	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	21809	4.766	ug/l #	63
59) 2-Hexanone	11.218	43	8462	3.031	ug/l	66
76) 1,2,3-Trichloropropane	12.847	75	88539	23.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88539	54.094	ug/l #	14

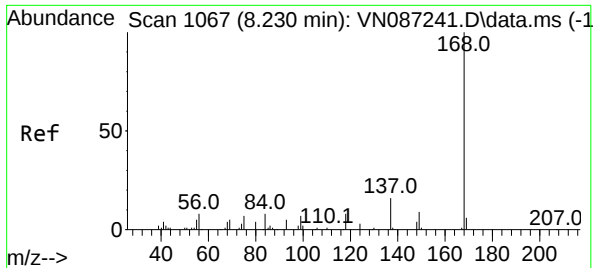
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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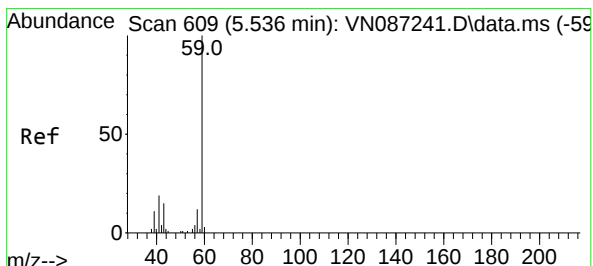
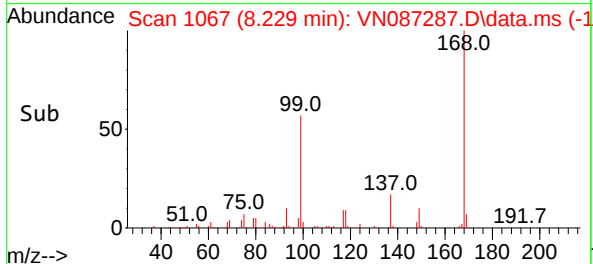
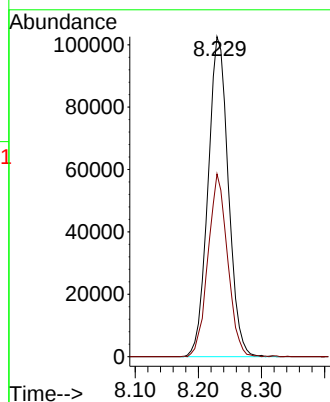
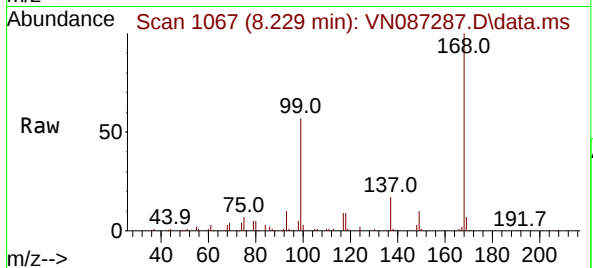




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

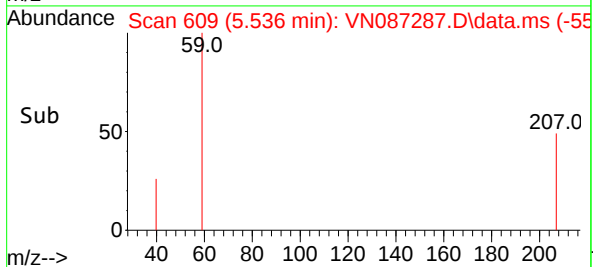
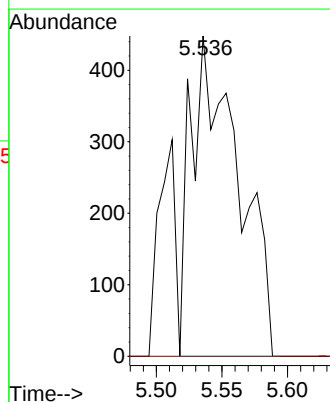
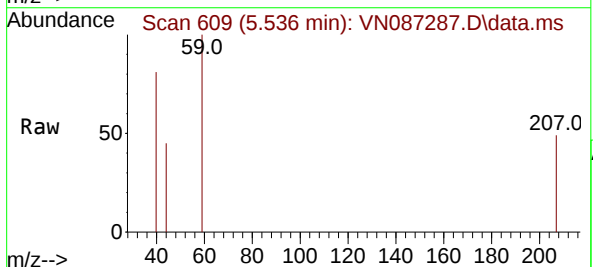
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

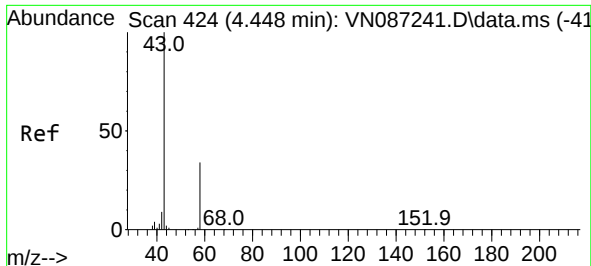
Tgt Ion:168 Resp: 229669
Ion Ratio Lower Upper
168 100
99 57.1 42.6 64.0



#11
Tert butyl alcohol
Concen: 2.155 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 59 Resp: 1132
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

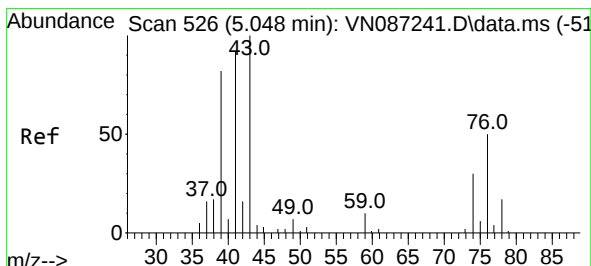
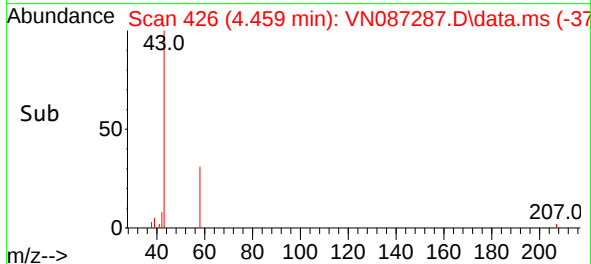
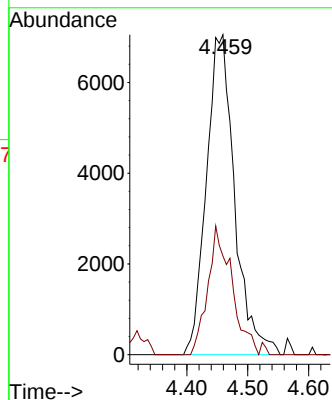
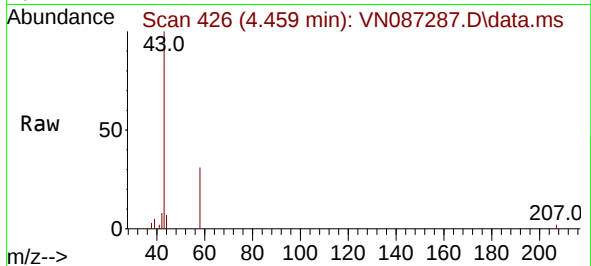




#16
Acetone
Concen: 20.614 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

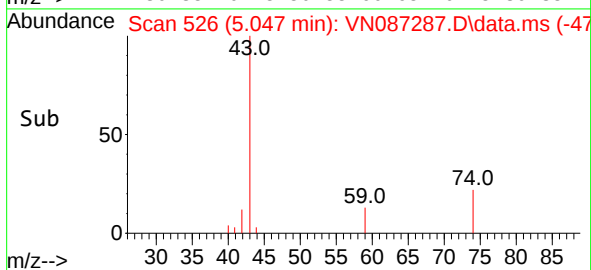
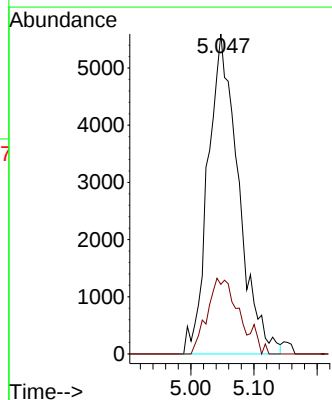
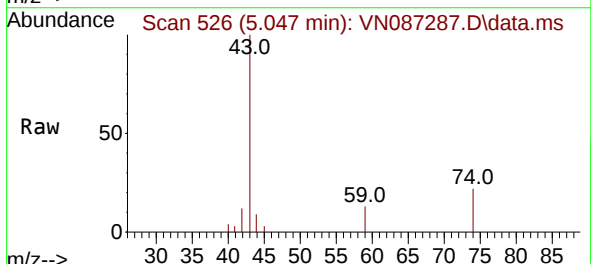
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

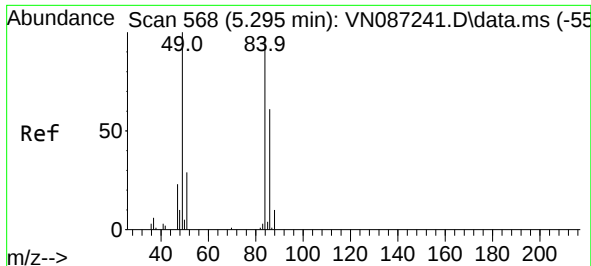
Tgt Ion: 43 Resp: 22717
Ion Ratio Lower Upper
43 100
58 30.8 27.1 40.7



#18
Methyl Acetate
Concen: 7.417 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 18711
Ion Ratio Lower Upper
43 100
74 25.1 23.8 35.6

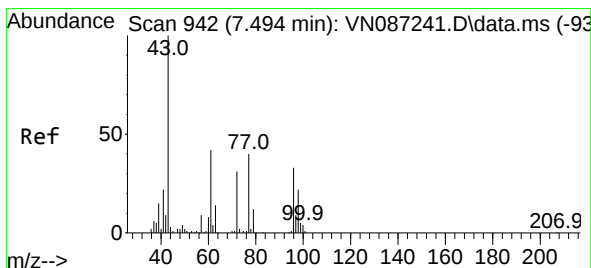
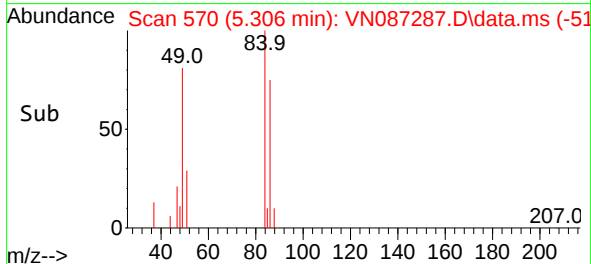
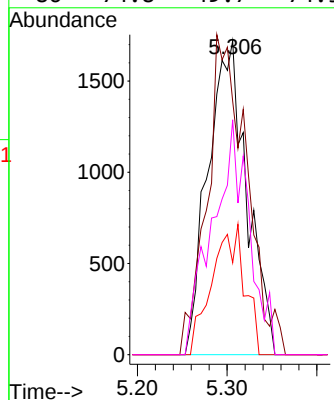
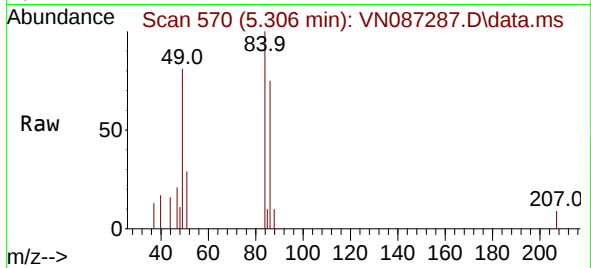




#20
Methylene Chloride
Concen: 2.115 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

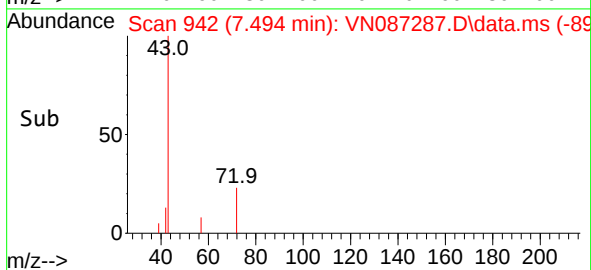
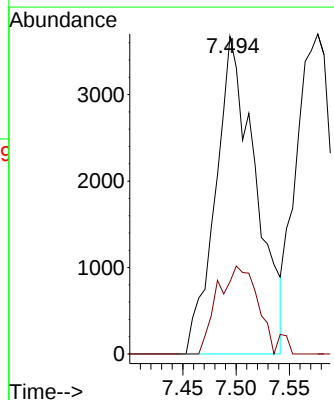
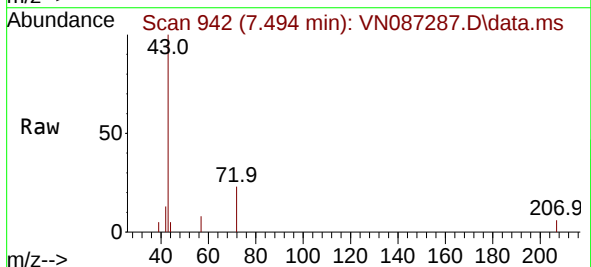
Instrument :
MSVOA_N
ClientSampleId :
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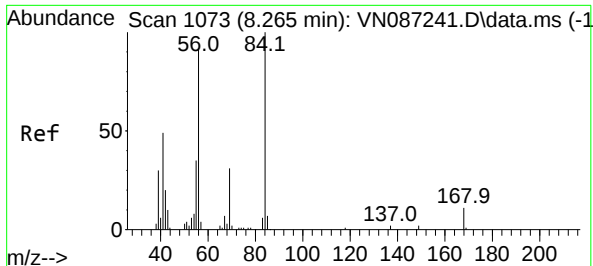
Tgt Ion:	84	Resp:	5164
Ion	Ratio	Lower	Upper
84	100		
49	80.7	82.1	123.1#
51	29.3	23.5	35.3
86	74.8	49.7	74.5#



#25
2-Butanone
Concen: 5.559 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion:	43	Resp:	9574
Ion	Ratio	Lower	Upper
43	100		
72	22.7	24.8	37.2#

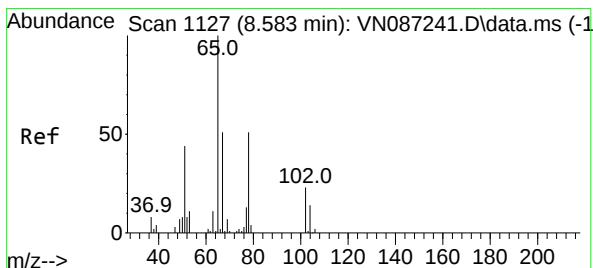
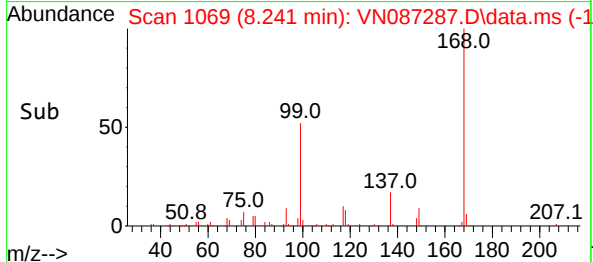
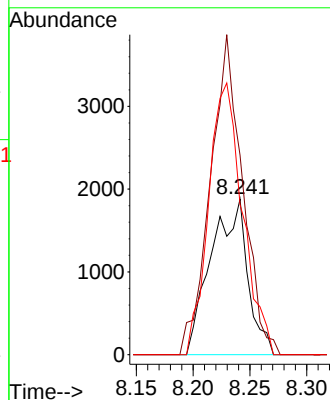
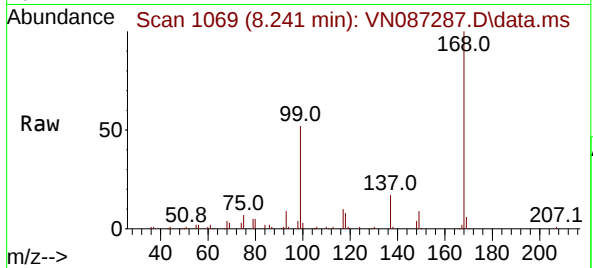




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

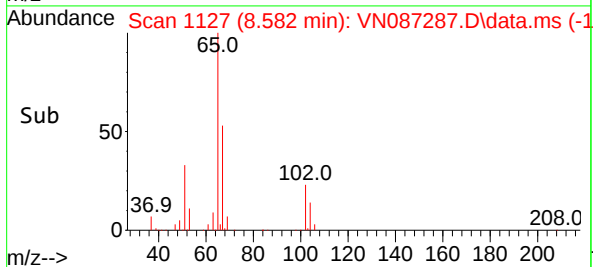
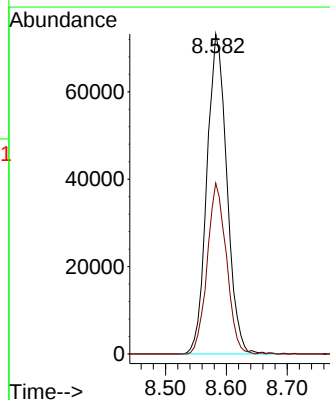
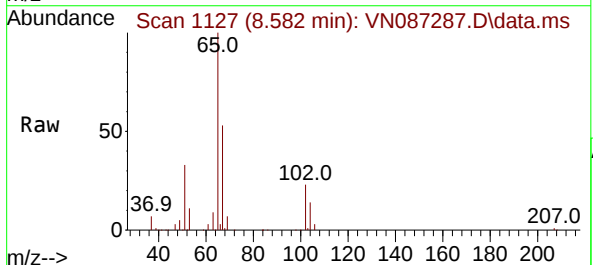
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

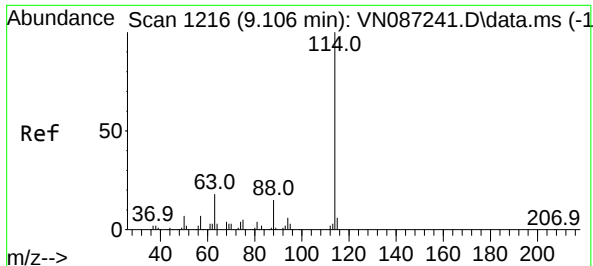
Tgt Ion: 56 Resp: 4210
Ion Ratio Lower Upper
56 100
69 128.2 27.0 40.6#
84 96.5 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 57.846 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 65 Resp: 166739
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6

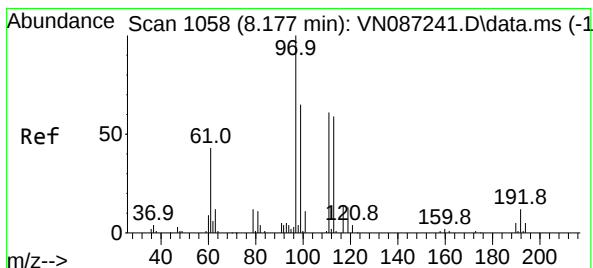
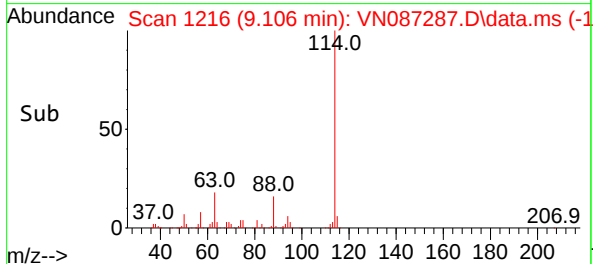
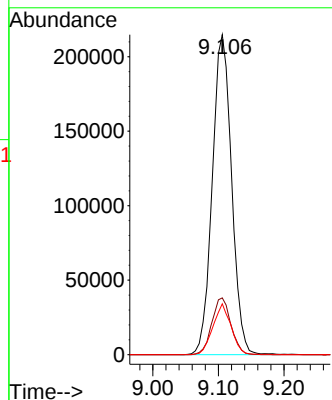
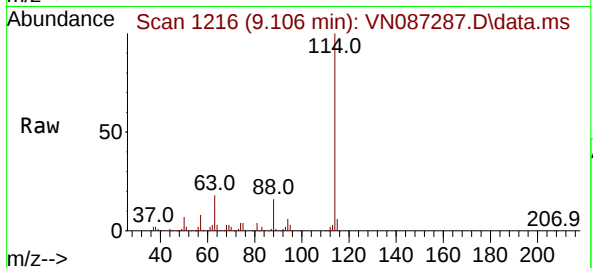




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

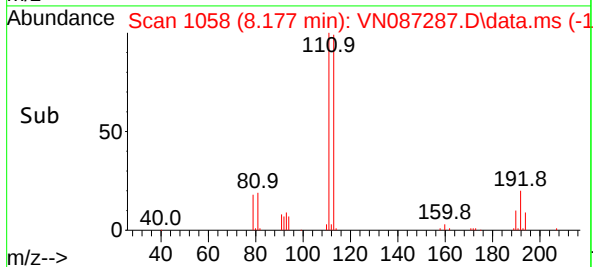
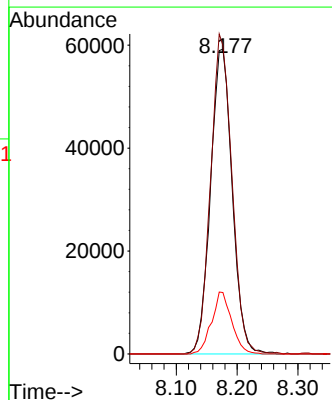
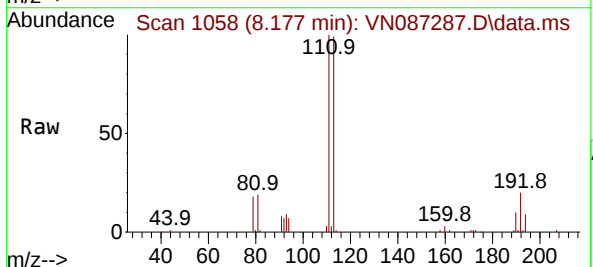
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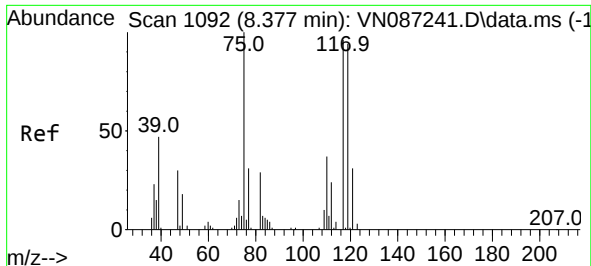
Tgt Ion:114 Resp: 438833
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.6
88 15.9 0.0 29.6



#35
Dibromofluoromethane
Concen: 52.111 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion:113 Resp: 146425
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 18.8 15.1 22.7

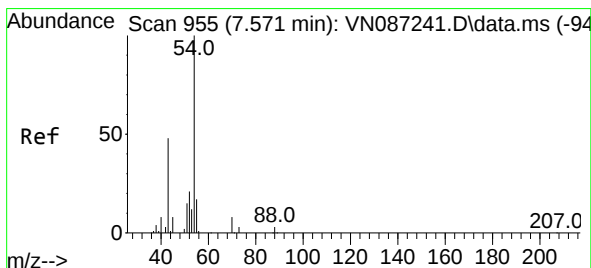
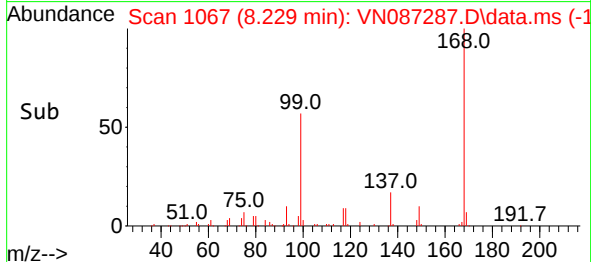
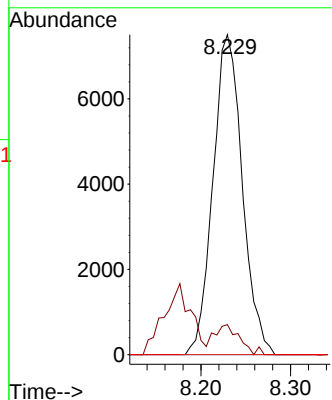
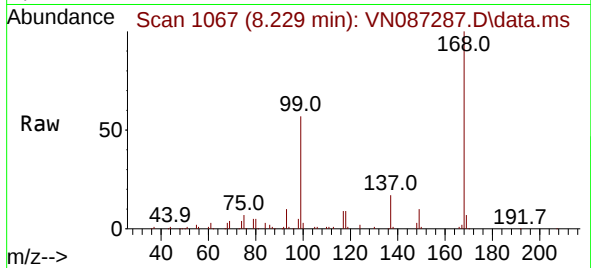




#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

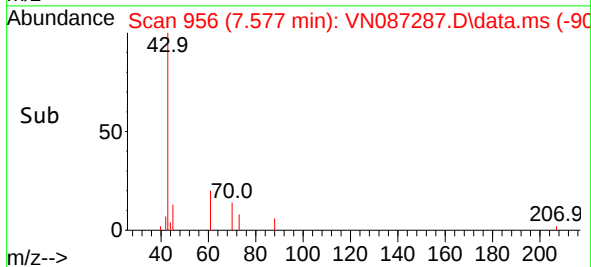
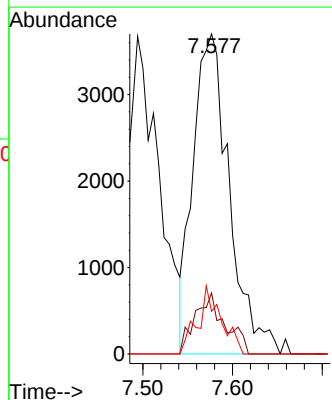
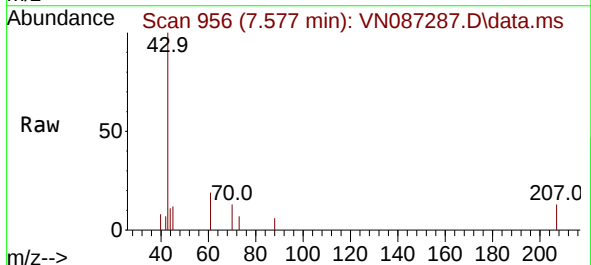
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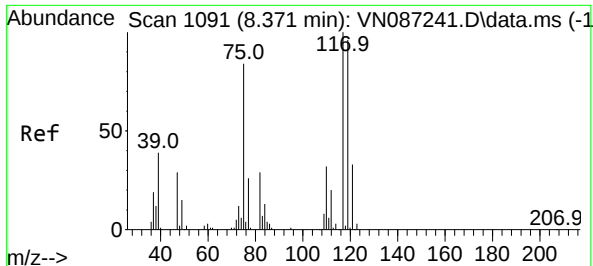
Tgt Ion: 75 Resp: 17027
Ion Ratio Lower Upper
75 100
110 8.2 18.7 56.1#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 2.520 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 10351
Ion Ratio Lower Upper
43 100
61 15.8 11.3 16.9
70 13.7 9.9 14.9

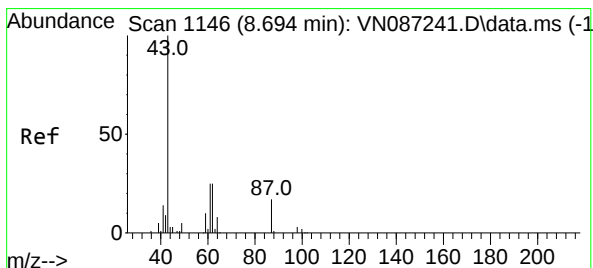
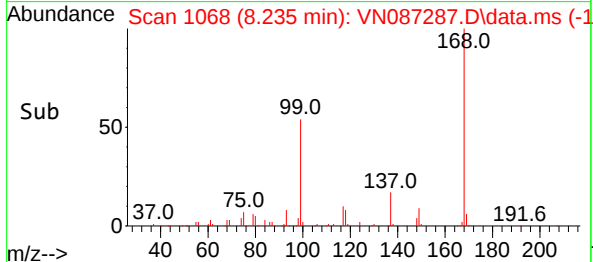
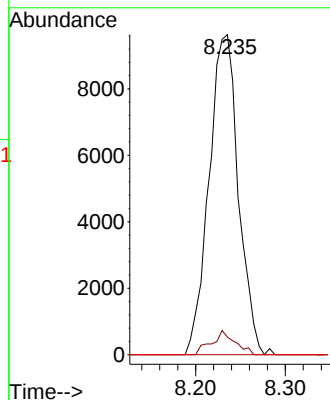
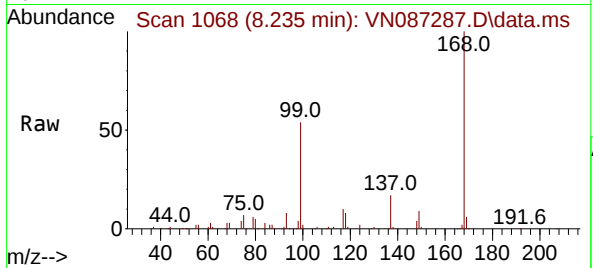




#38
Carbon Tetrachloride
Concen: 5.062 ug/l
RT: 8.235 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

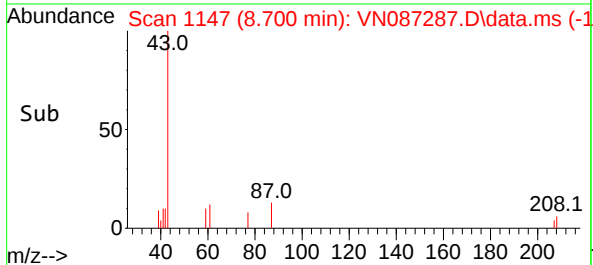
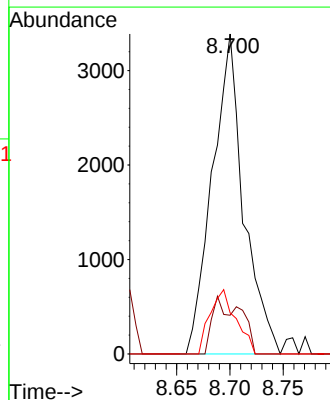
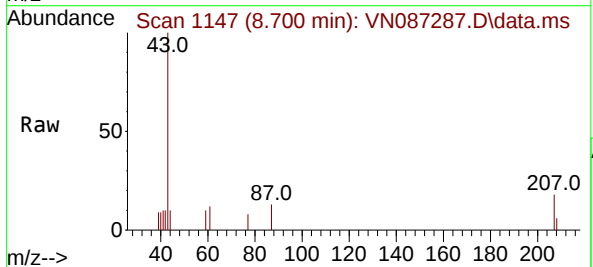
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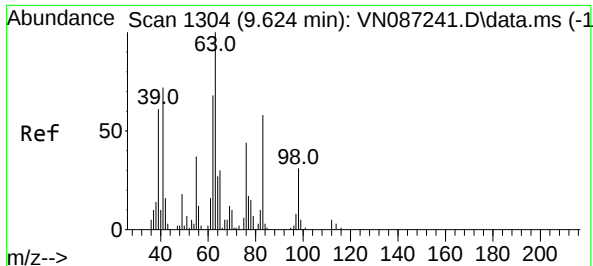
Tgt Ion:117 Resp: 21916
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 26.6 39.8#



#43
Isopropyl Acetate
Concen: 1.088 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 6928
Ion Ratio Lower Upper
43 100
61 9.2 22.4 33.6#
87 16.7 12.8 19.2





#45

1,2-Dichloropropane

Concen: 0.288 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN087287.D

Acq: 07 Jul 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

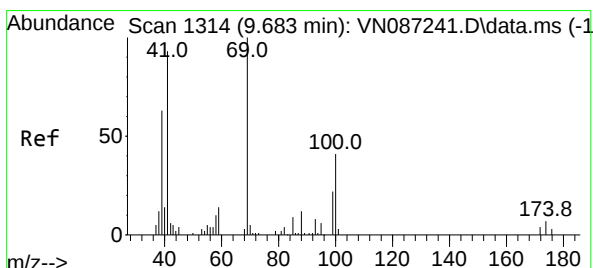
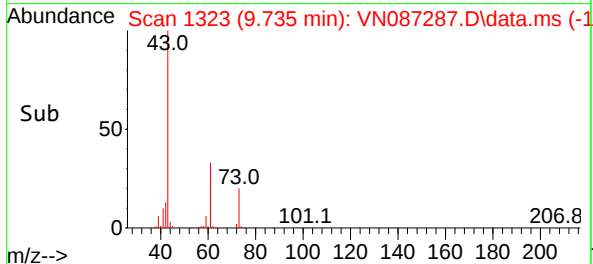
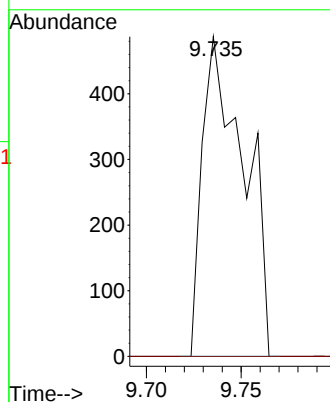
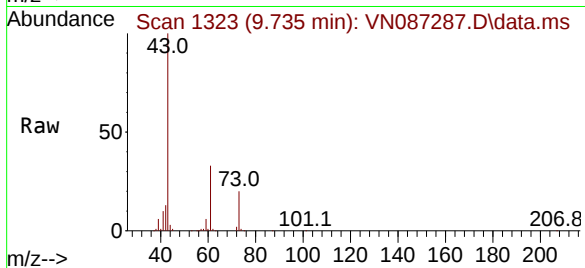
G3(3)

Tgt Ion: 63 Resp: 744

Ion Ratio Lower Upper

63 100

65 0.0 23.8 35.8#



#48

Methyl methacrylate

Concen: 16.577 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN087287.D

Acq: 07 Jul 2025 12:23

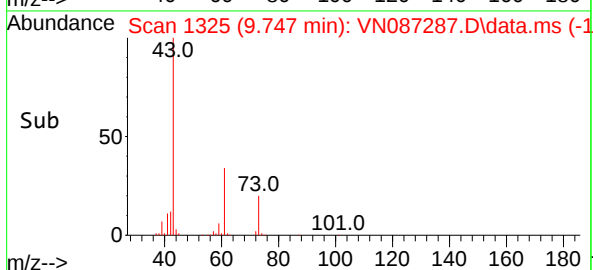
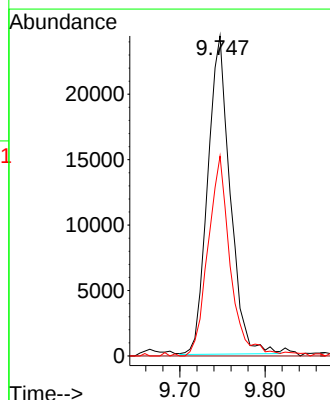
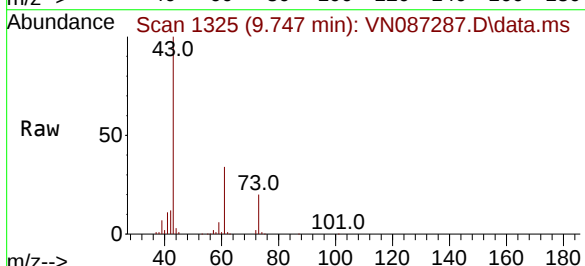
Tgt Ion: 41 Resp: 44507

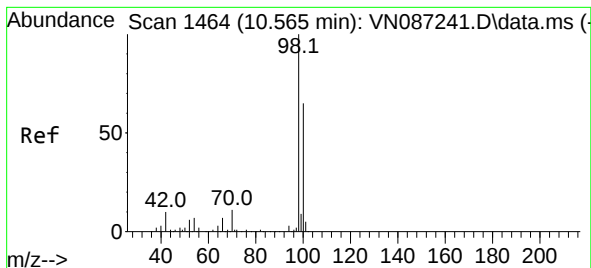
Ion Ratio Lower Upper

41 100

69 0.0 81.4 122.2#

39 62.2 56.9 85.3

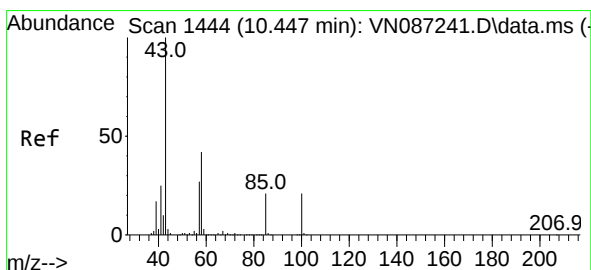
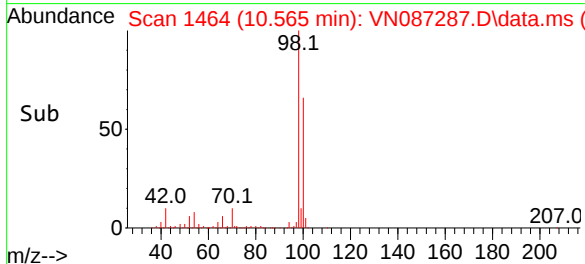
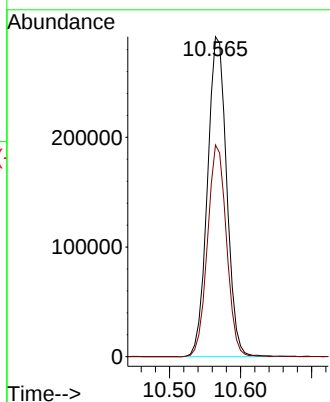
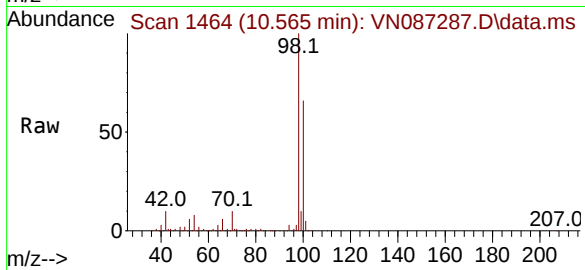




#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

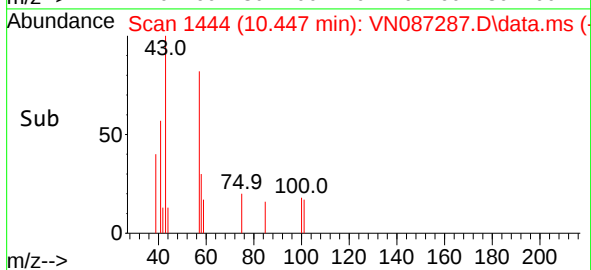
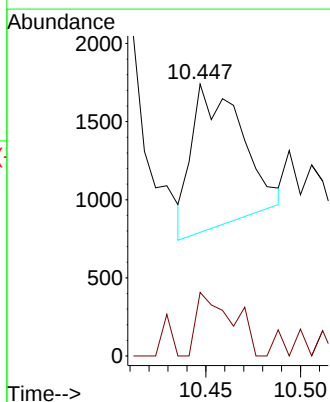
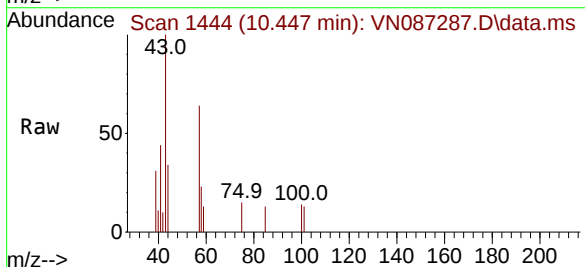
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

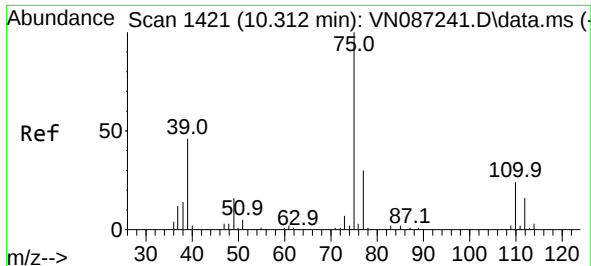
Tgt Ion: 98 Resp: 546773
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 32.0 34.2 51.2#

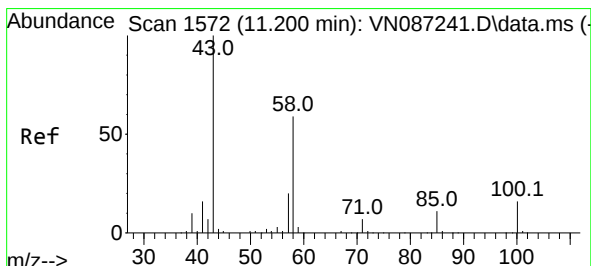
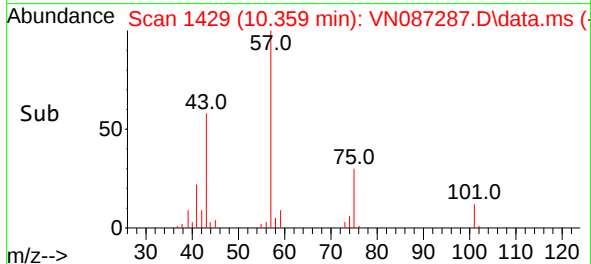
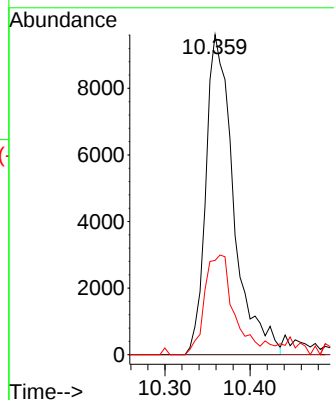
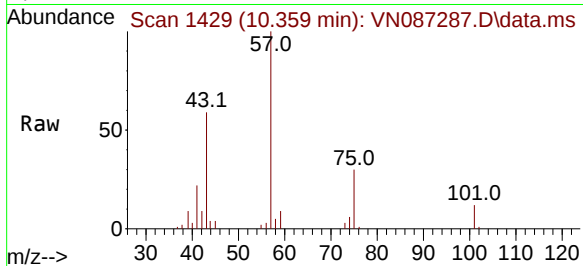




#54
 cis-1,3-Dichloropropene
 Concen: 4.766 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN087287.D
 Acq: 07 Jul 2025 12:23

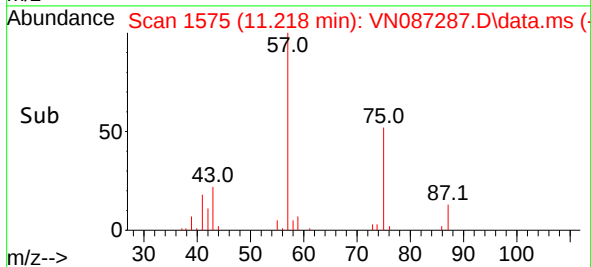
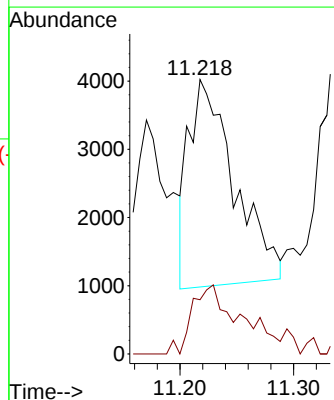
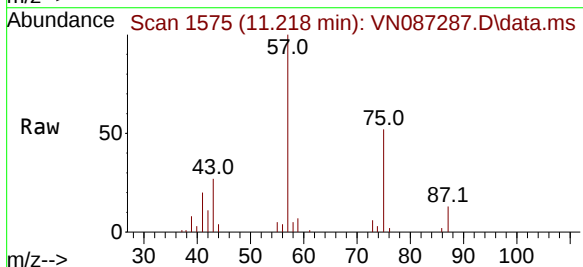
Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

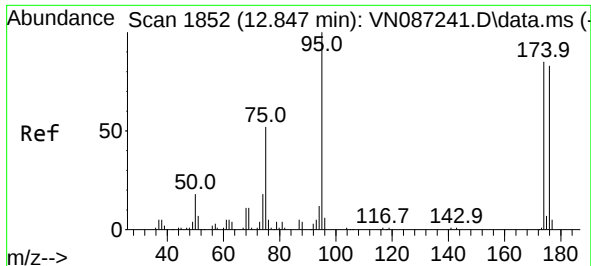
Tgt Ion: 75 Resp: 21809
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 29.5 36.7 55.1#



#59
 2-Hexanone
 Concen: 3.031 ug/l
 RT: 11.218 min Scan# 1575
 Delta R.T. 0.018 min
 Lab File: VN087287.D
 Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 8462
 Ion Ratio Lower Upper
 43 100
 58 35.7 31.1 93.3

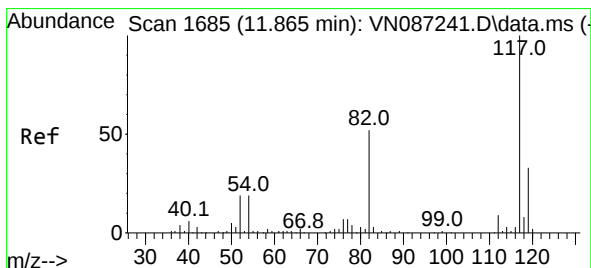
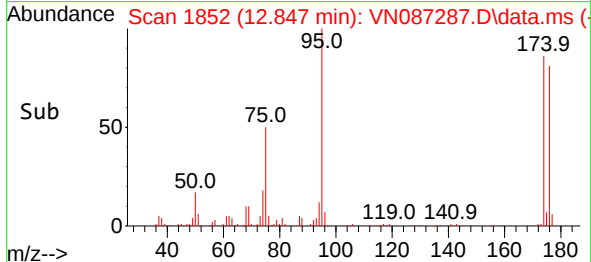
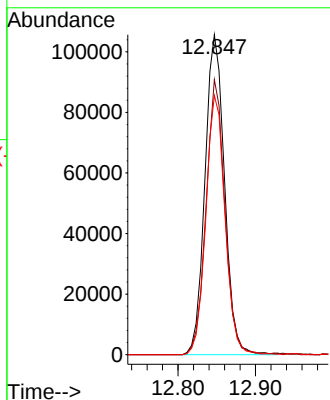
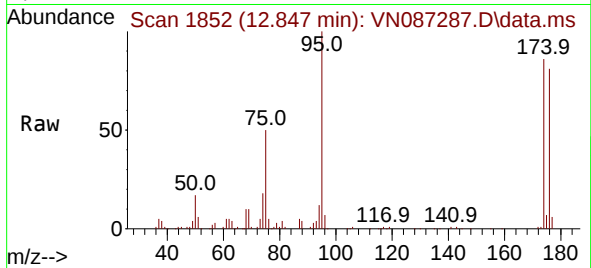




#62
4-Bromofluorobenzene
Concen: 47.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

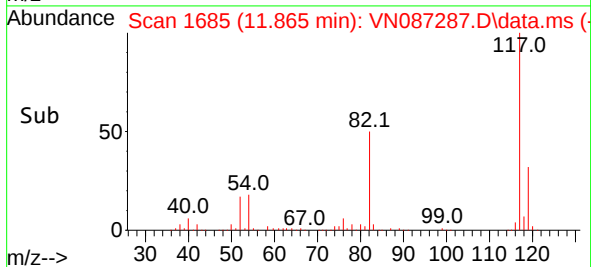
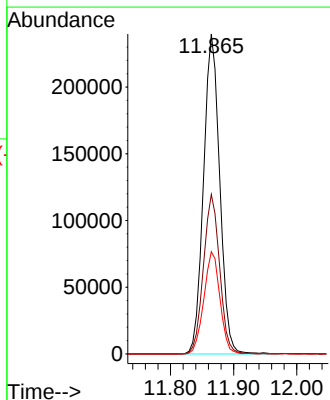
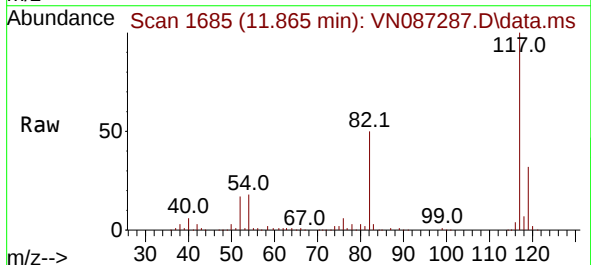
Instrument :
MSVOA_N
ClientSampleId :
G3(3)

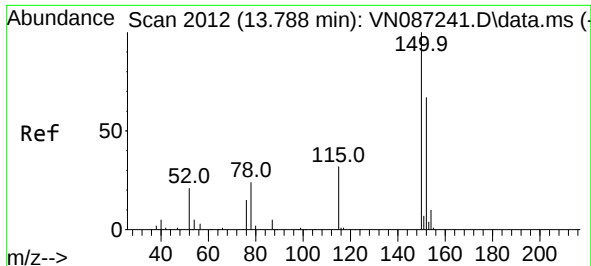
Tgt Ion: 95 Resp: 184835
Ion Ratio Lower Upper
95 100
174 83.3 0.0 169.6
176 79.4 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 117 Resp: 427268
Ion Ratio Lower Upper
117 100
82 49.8 41.9 62.9
119 32.0 26.2 39.4

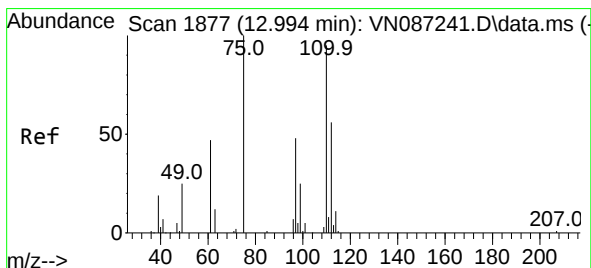
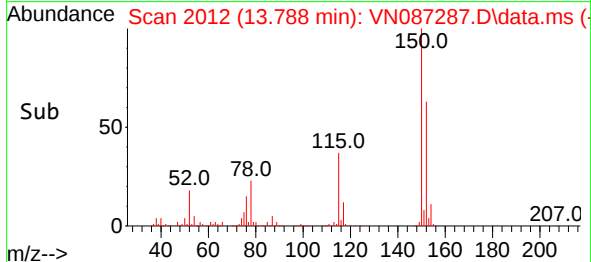
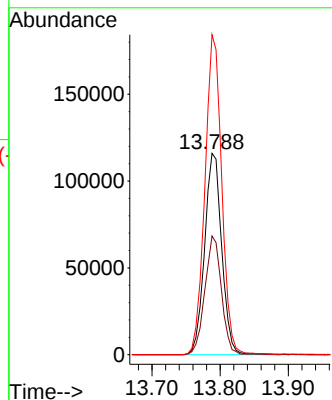
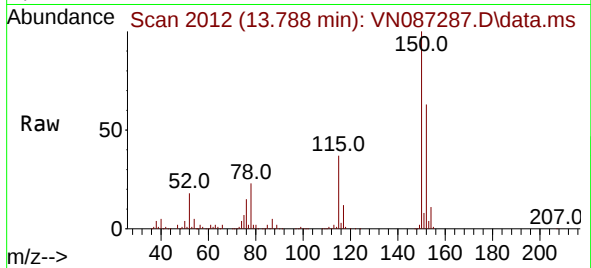




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087287.D
 Acq: 07 Jul 2025 12:23

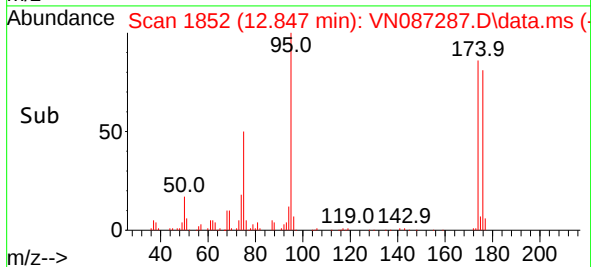
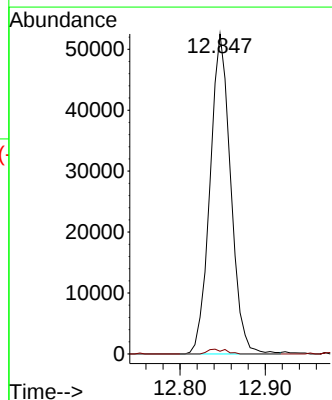
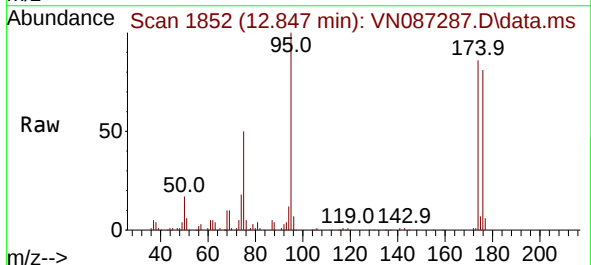
Instrument :
 MSVOA_N
 ClientSampleId :
 G3(3)

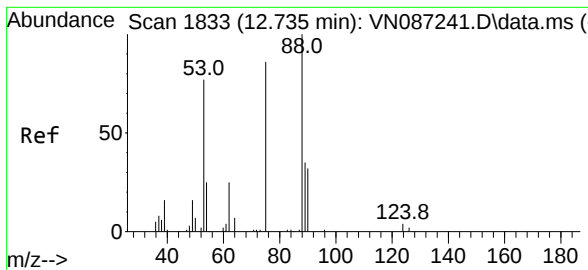
Tgt Ion:152 Resp: 202126
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.3 84.9
 150 156.4 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.030 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087287.D
 Acq: 07 Jul 2025 12:23

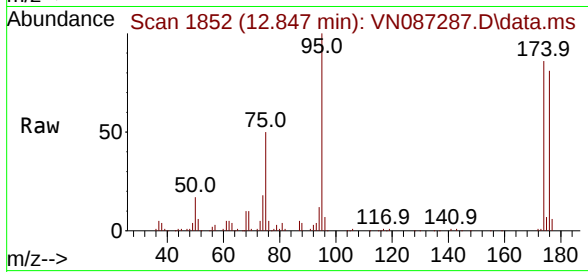
Tgt Ion: 75 Resp: 88539
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.0 245.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.094 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G3(3)



Tgt Ion: 75 Resp: 88539
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

