

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087544.D
 Acq On : 13 Aug 2025 18:34
 Operator : JC\MD
 Sample : Q2836-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 04:05:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

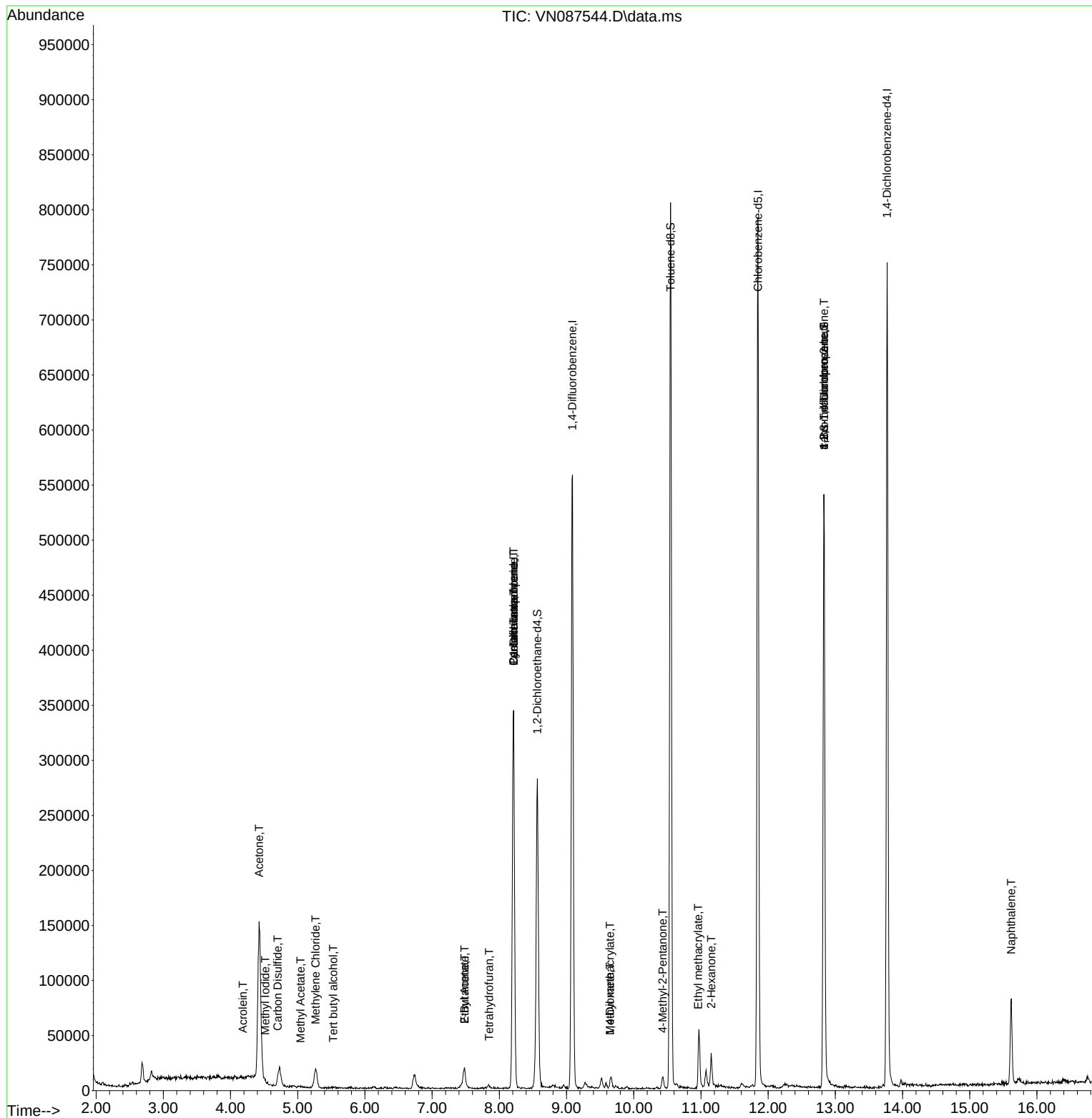
Internal Standards						
1) Pentafluorobenzene	8.212	168	225465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	457347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	411601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	185018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	232518	60.779	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.560%
35) Dibromofluoromethane	8.165	113	570	0.181	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.360%#
50) Toluene-d8	10.547	98	531558	47.235	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.480%
62) 4-Bromofluorobenzene	12.829	95	194598	46.805	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.620%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.518	142	60	5.654	ug/l #	40
11) Tert butyl alcohol	5.530	59	630	0.867	ug/l #	72
13) Acrolein	4.183	56	640	1.098	ug/l	90
16) Acetone	4.424	43	280058	156.131	ug/l	100
17) Carbon Disulfide	4.700	76	1699	0.223	ug/l #	71
18) Methyl Acetate	5.042	43	4126	0.916	ug/l #	54
20) Methylene Chloride	5.265	84	12244	3.442	ug/l #	93
25) 2-Butanone	7.483	43	30499	11.004	ug/l	93
29) Tetrahydrofuran	7.847	42	2306	1.281	ug/l #	87
31) Cyclohexane	8.212	56	7744	1.647	ug/l #	49
36) 1,1-Dichloropropene	8.212	75	23152	5.555	ug/l #	51
37) Ethyl Acetate	7.483	43	30499	5.067	ug/l #	70
38) Carbon Tetrachloride	8.212	117	27236	5.932	ug/l #	13
48) Methyl methacrylate	9.647	41	2776	0.660	ug/l #	15
49) 1,4-Dioxane	9.647	88	64	0.993	ug/l #	1
51) 4-Methyl-2-Pentanone	10.430	43	9120	1.543	ug/l #	86
56) Ethyl methacrylate	10.959	69	144	0.661	ug/l #	1
59) 2-Hexanone	11.153	43	24095	6.145	ug/l #	25
76) 1,2,3-Trichloropropane	12.829	75	114731	27.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	114731	75.664	ug/l #	8
95) Naphthalene	15.617	128	66215	5.667	ug/l	99

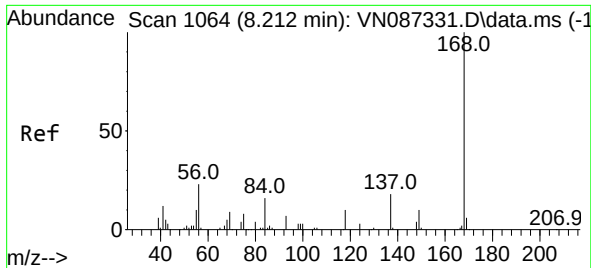
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
Data File : VN087544.D
Acq On : 13 Aug 2025 18:34
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Sample : Q2836-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

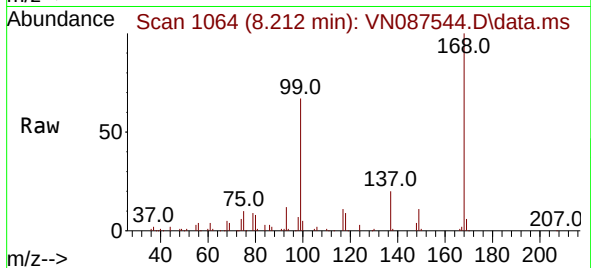
Quant Time: Aug 14 04:05:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



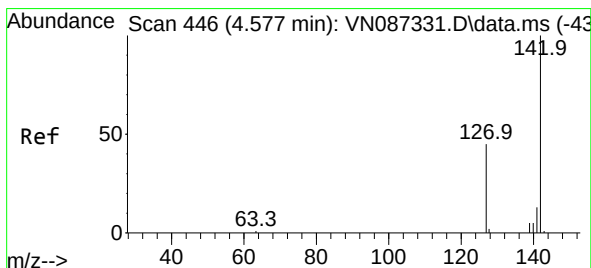
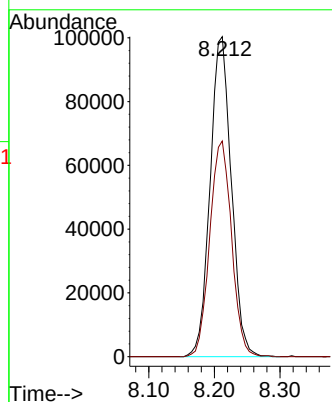
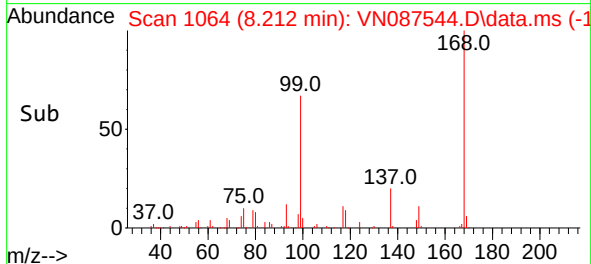


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Instrument :
MSVOA_N
ClientSampleId :

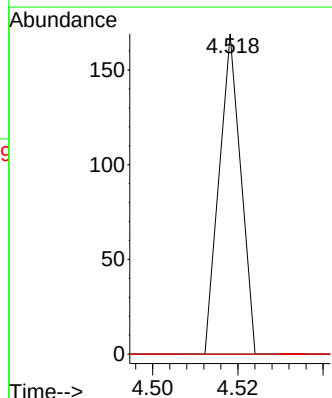
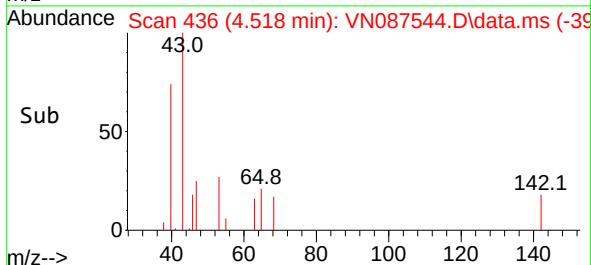
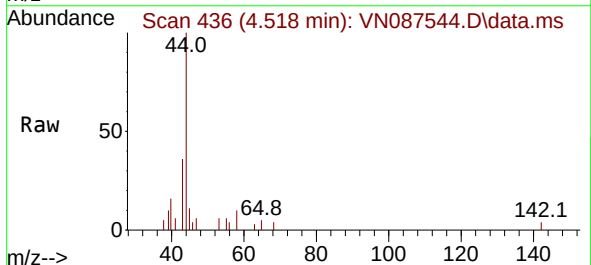


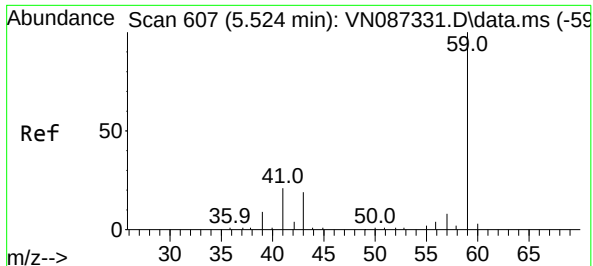
Tgt Ion:168 Resp: 225465
Ion Ratio Lower Upper
168 100
99 67.4 47.9 71.9



#10
Methyl Iodide
Concen: 5.654 ug/l
RT: 4.518 min Scan# 436
Delta R.T. -0.059 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

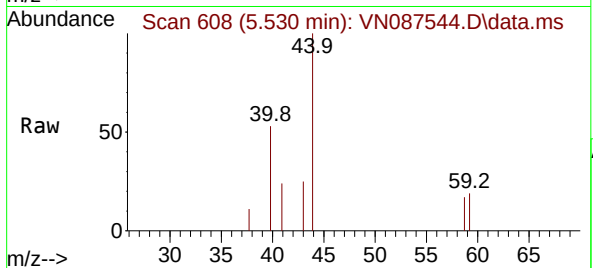
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



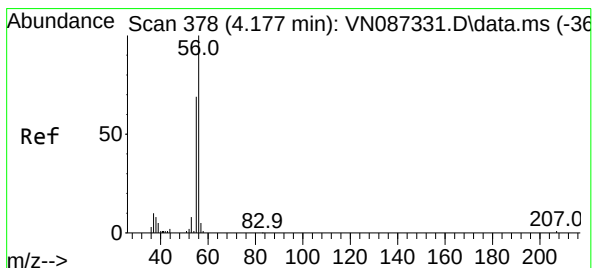
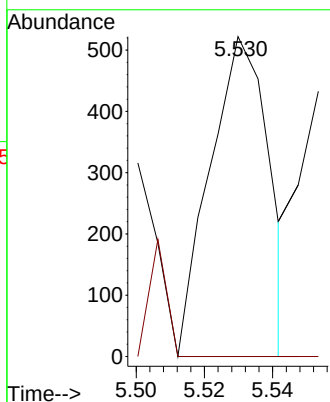
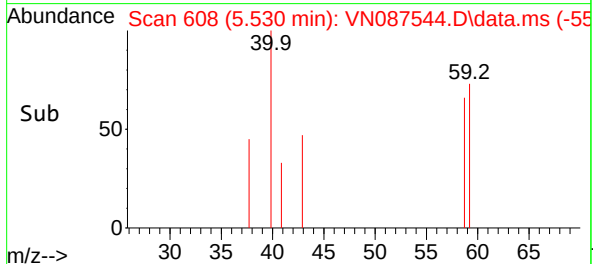


#11
Tert butyl alcohol
Concen: 0.867 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

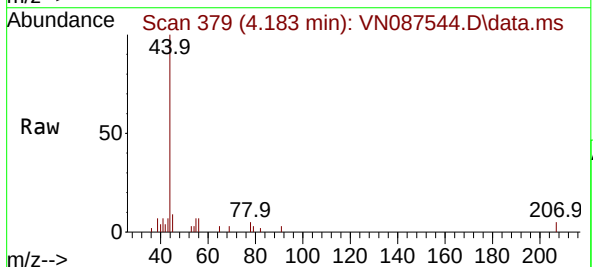
Instrument :
MSVOA_N
ClientSampleId :



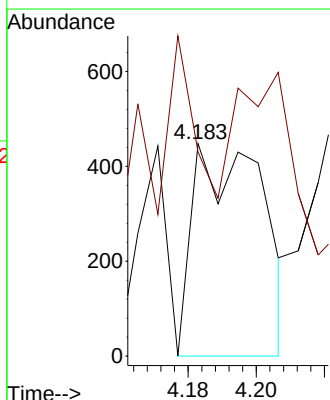
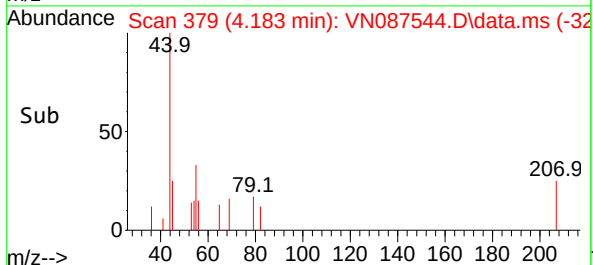
Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

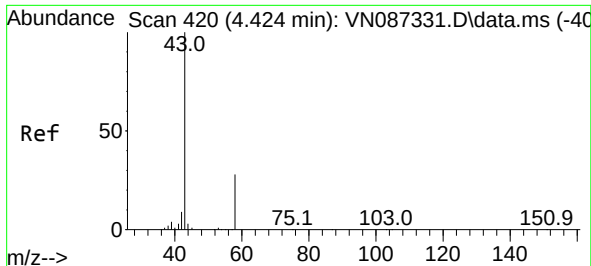


#13
Acrolein
Concen: 1.098 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34



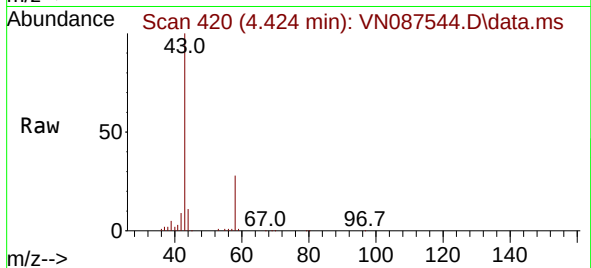
Tgt Ion: 56 Resp: 640
Ion Ratio Lower Upper
56 100
55 62.3 56.2 84.4



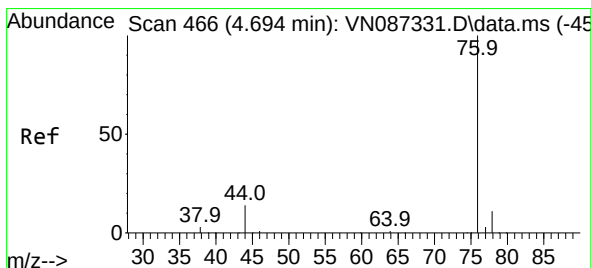
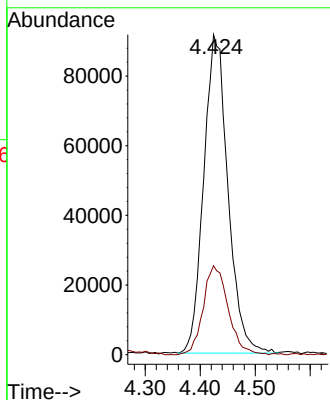
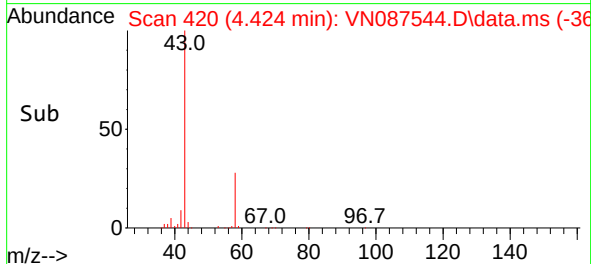


#16
Acetone
Concen: 156.131 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

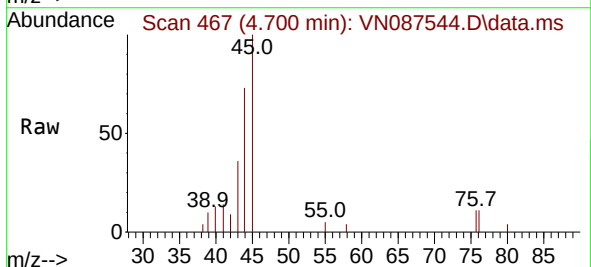
Instrument :
MSVOA_N
ClientSampleId :



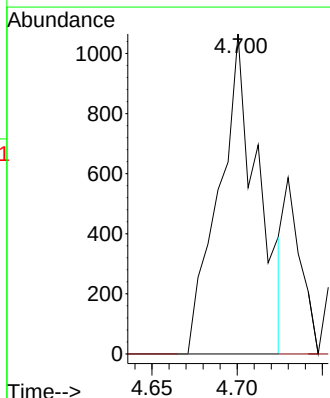
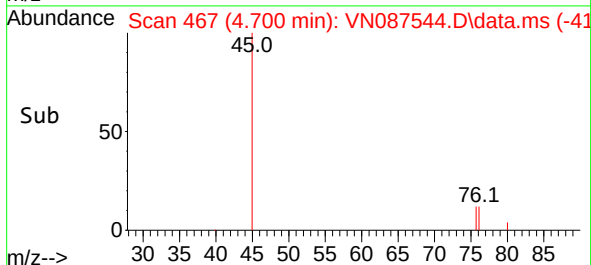
Tgt Ion: 43 Resp: 280058
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5

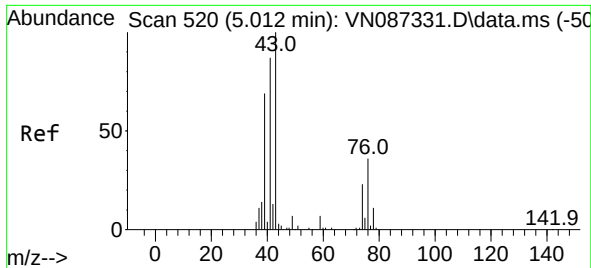


#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34



Tgt Ion: 76 Resp: 1699
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#

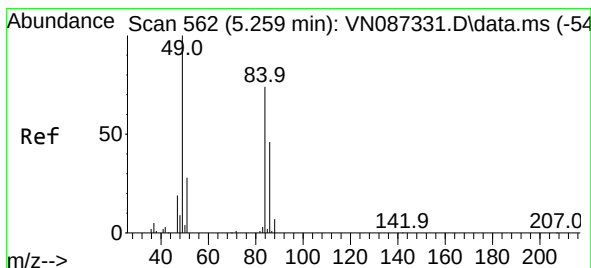
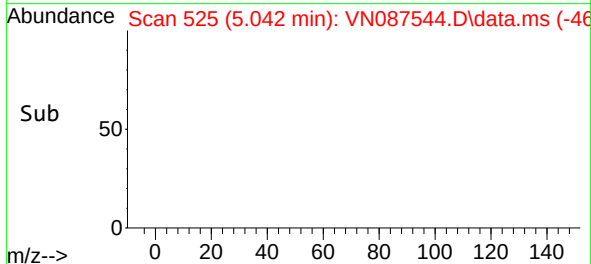
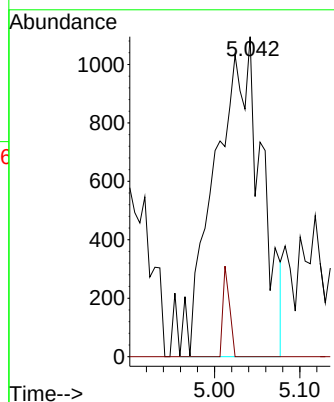
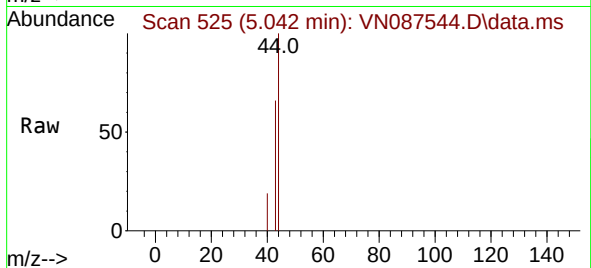




#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.030 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

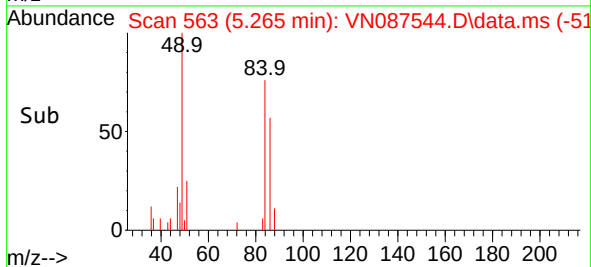
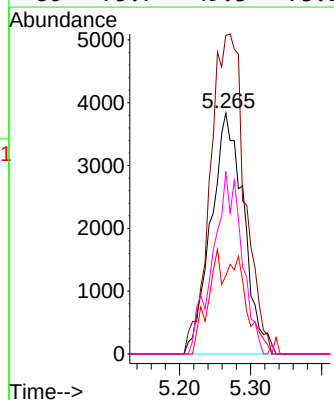
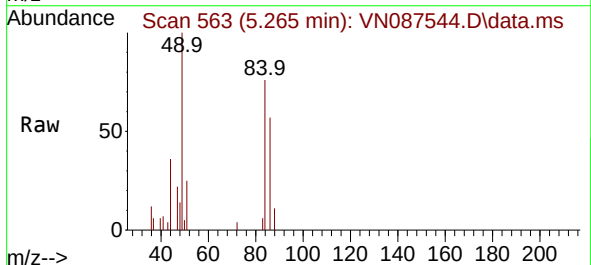
Instrument :
MSVOA_N
ClientSampleId :

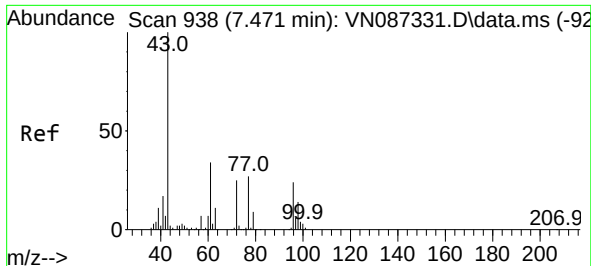
Tgt Ion: 43 Resp: 4126
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: 3.442 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

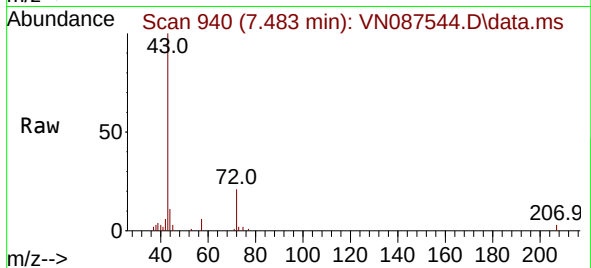
Tgt Ion: 84 Resp: 12244
Ion Ratio Lower Upper
84 100
49 132.2 107.5 161.3
51 32.4 30.2 45.2
86 75.7 49.3 73.9#



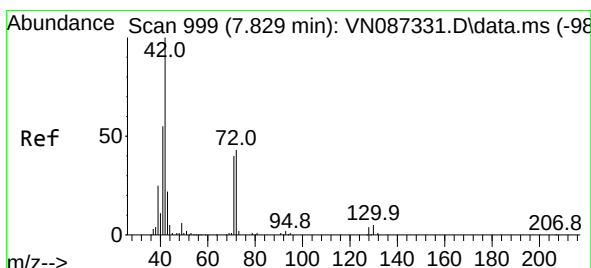
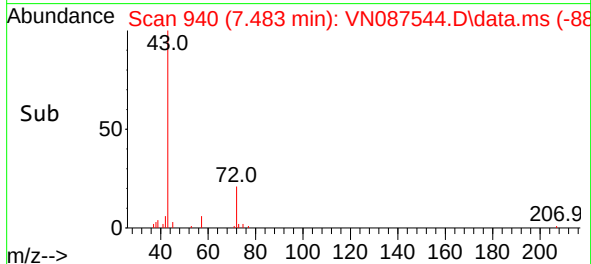
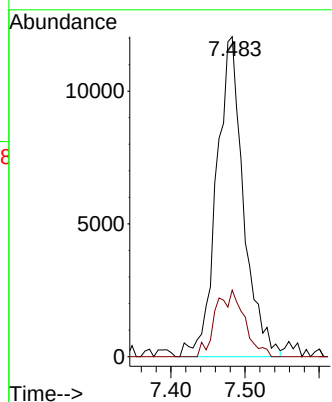


#25
2-Butanone
Concen: 11.004 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Instrument :
MSVOA_N
ClientSampleId :

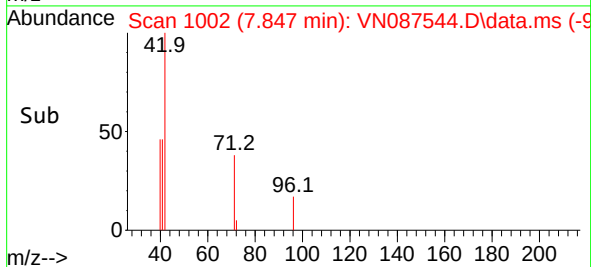
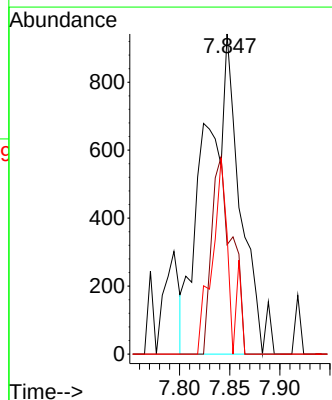
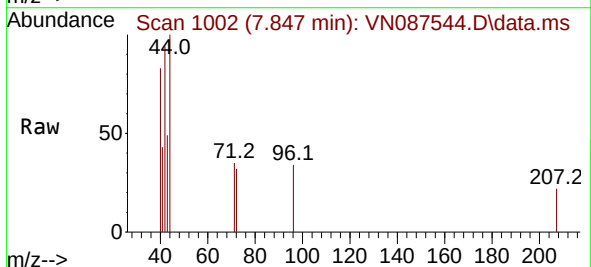


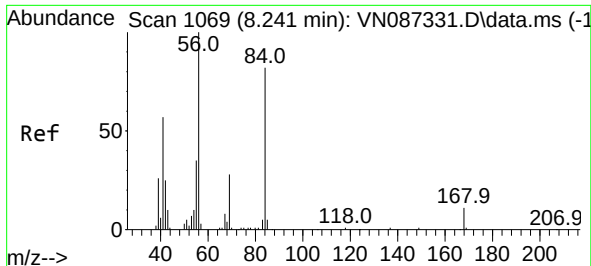
Tgt Ion: 43 Resp: 30499
Ion Ratio Lower Upper
43 100
72 20.8 19.6 29.4



#29
Tetrahydrofuran
Concen: 1.281 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

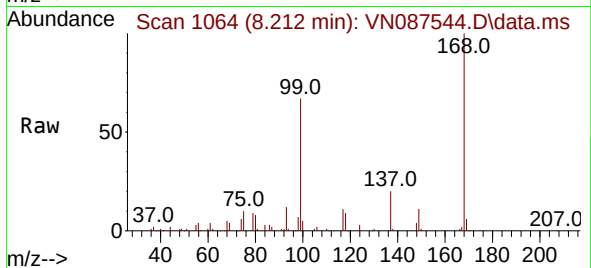
Tgt Ion: 42 Resp: 2306
Ion Ratio Lower Upper
42 100
72 35.4 33.4 50.0
71 29.6 31.2 46.8#



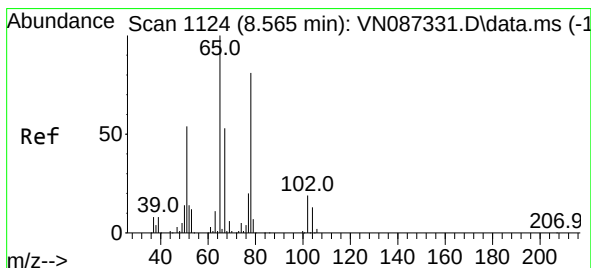
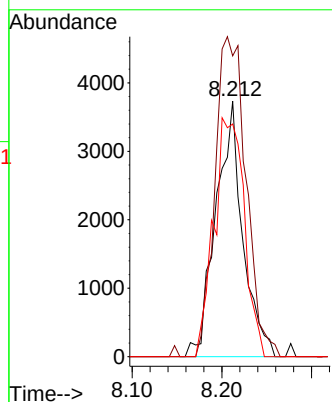
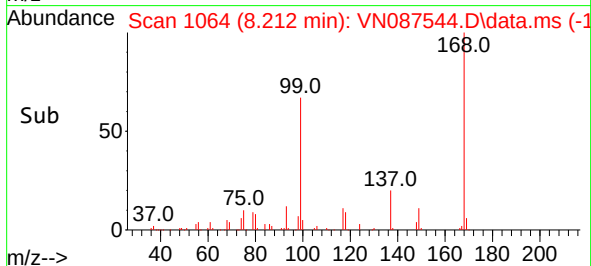


#31
Cyclohexane
Concen: 1.647 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Instrument :
MSVOA_N
ClientSampleId :

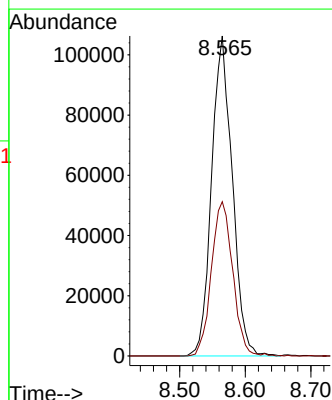
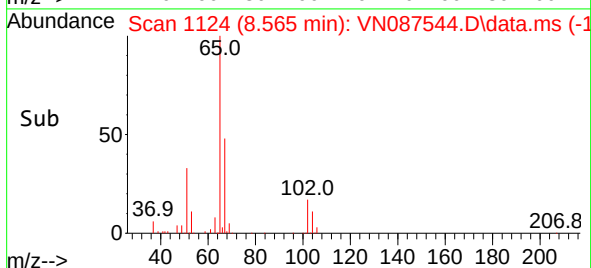
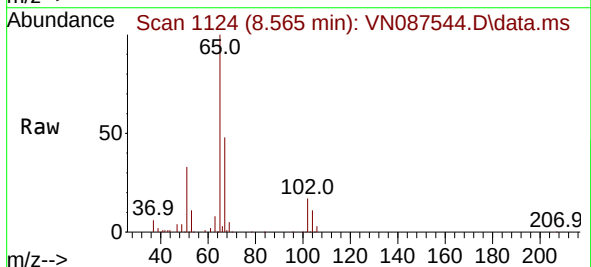


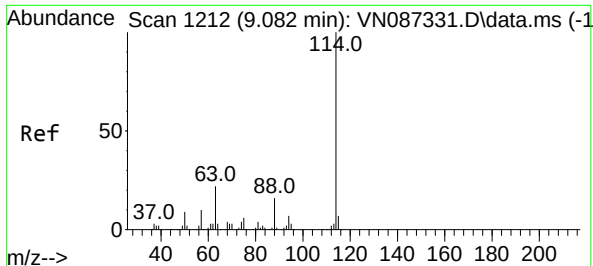
Tgt Ion: 56 Resp: 7744
Ion Ratio Lower Upper
56 100
69 117.8 22.7 34.1#
84 91.1 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 60.779 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Tgt Ion: 65 Resp: 232518
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087544.D

Acq: 13 Aug 2025 18:34

Instrument :

MSVOA_N

ClientSampleId :

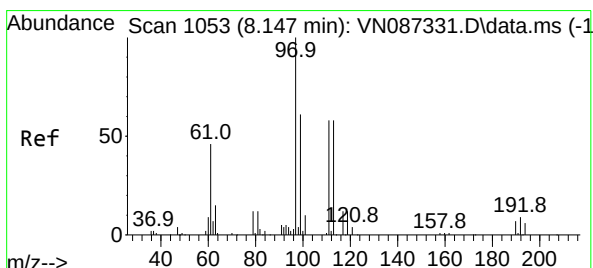
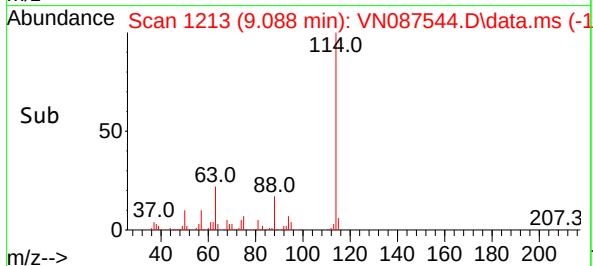
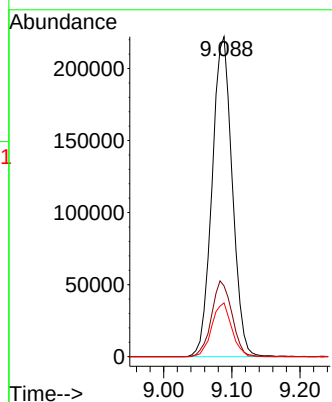
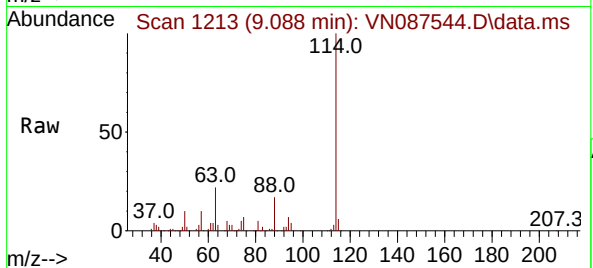
Tgt Ion:114 Resp: 457347

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 0.181 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.018 min

Lab File: VN087544.D

Acq: 13 Aug 2025 18:34

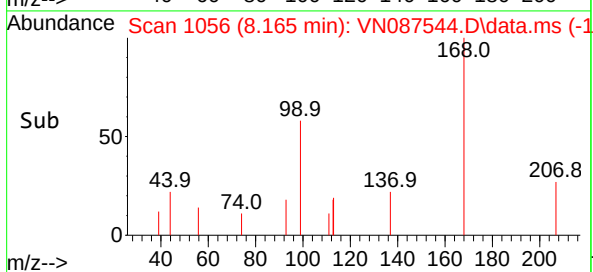
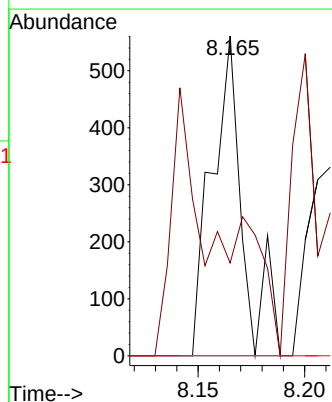
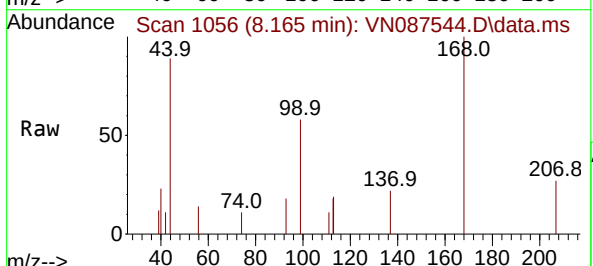
Tgt Ion:113 Resp: 570

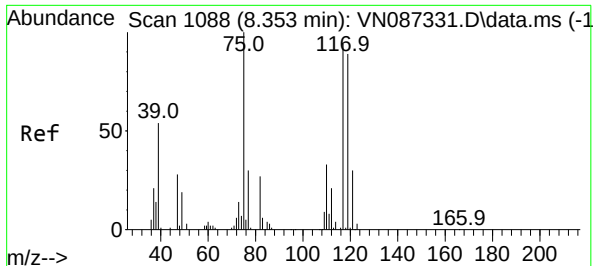
Ion Ratio Lower Upper

113 100

111 0.0 82.5 123.7#

192 0.0 13.7 20.5#





#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087544.D

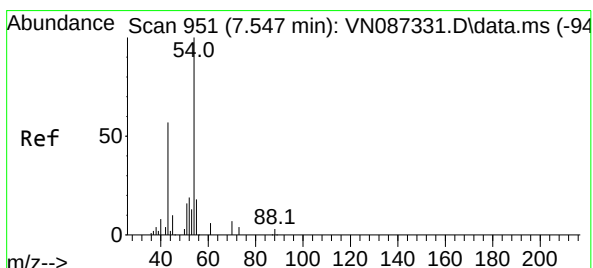
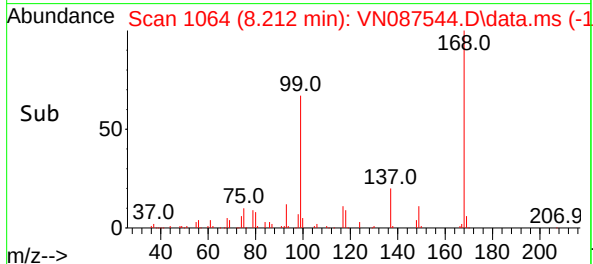
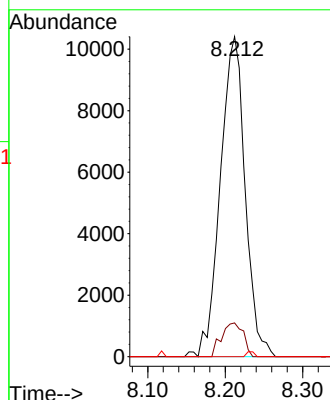
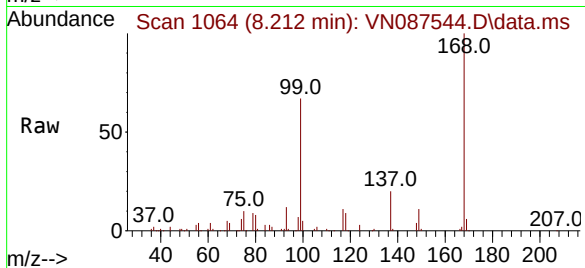
Acq: 13 Aug 2025 18:34

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	23152
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	0.5	25.2	37.8#



#37

Ethyl Acetate

Concen: 5.067 ug/l

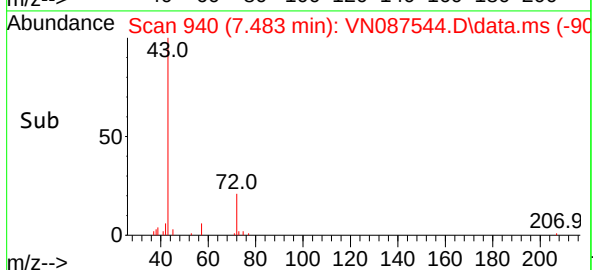
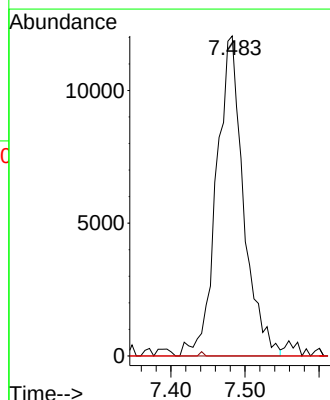
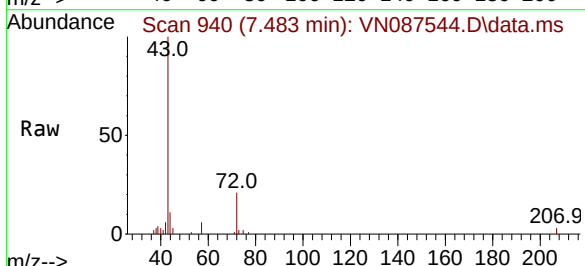
RT: 7.483 min Scan# 940

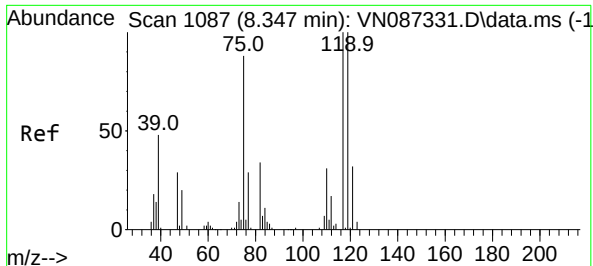
Delta R.T. -0.064 min

Lab File: VN087544.D

Acq: 13 Aug 2025 18:34

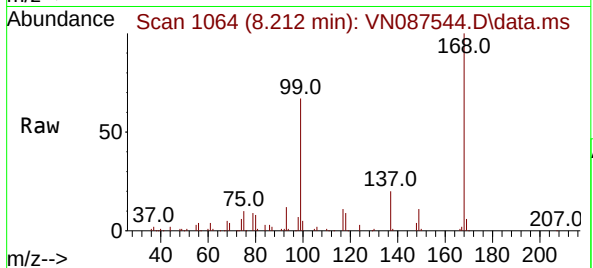
Tgt Ion:	43	Resp:	30499
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.4	11.0#



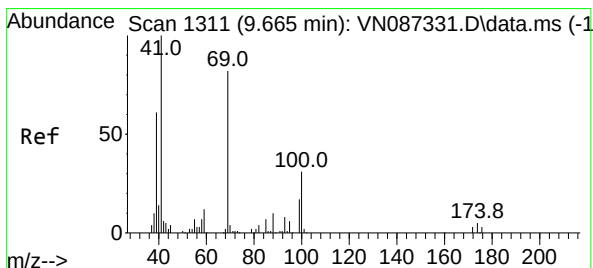
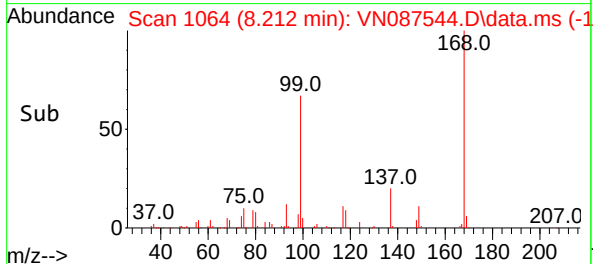
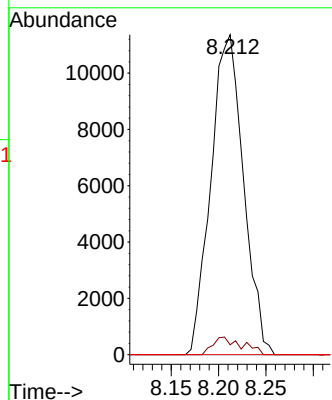


#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Instrument :
MSVOA_N
ClientSampleId :

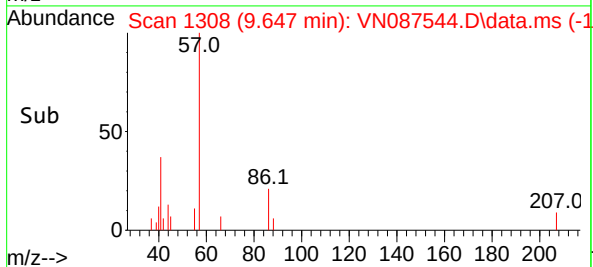
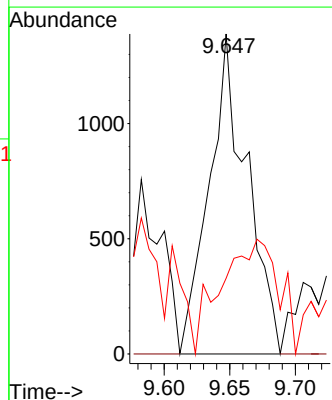
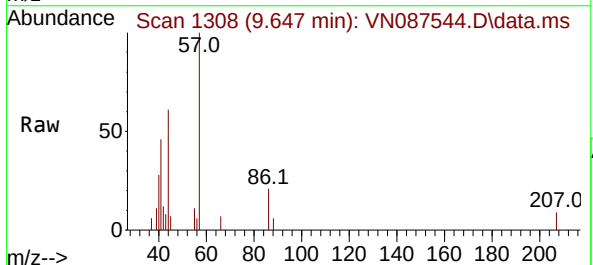


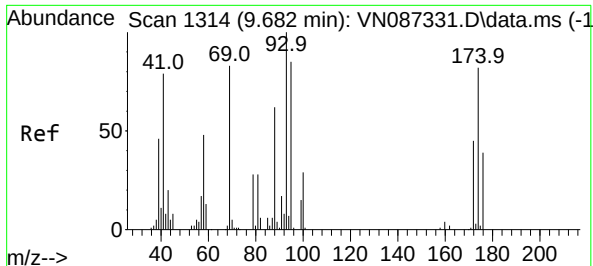
Tgt Ion: 117 Resp: 27236
Ion Ratio Lower Upper
117 100
119 3.1 80.2 120.2#
121 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 0.660 ug/l
RT: 9.647 min Scan# 1308
Delta R.T. -0.017 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Tgt Ion: 41 Resp: 2776
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 0.0 45.5 68.3#





#49

1,4-Dioxane

Concen: 0.993 ug/l

RT: 9.647 min Scan# 1314

Delta R.T. -0.035 min

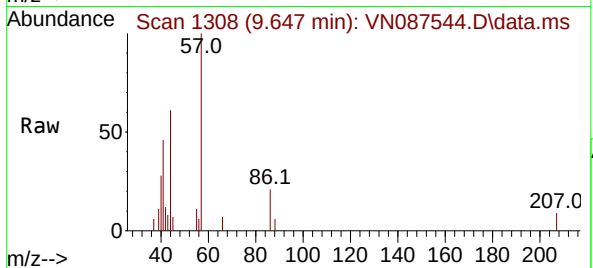
Lab File: VN087544.D

Acq: 13 Aug 2025 18:34

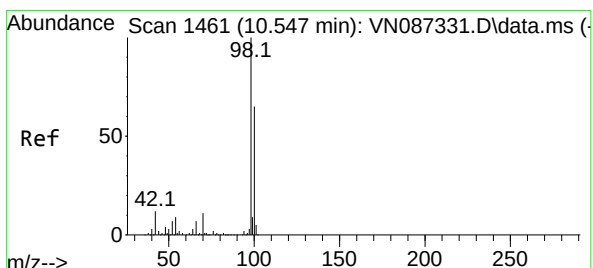
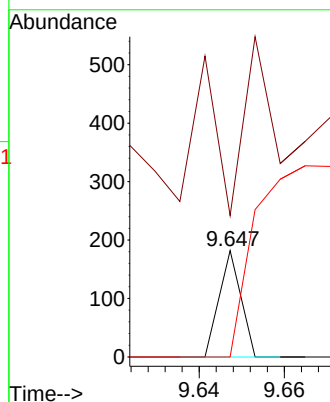
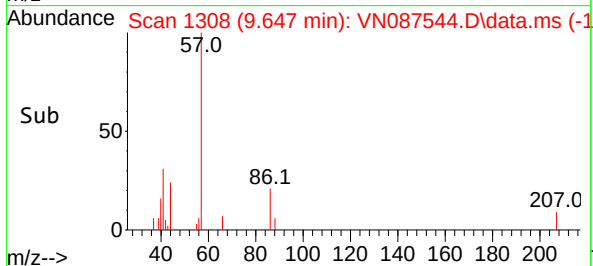
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	88	Resp:	64
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	750.0	61.1	91.7#



#50

Toluene-d8

Concen: 47.235 ug/l

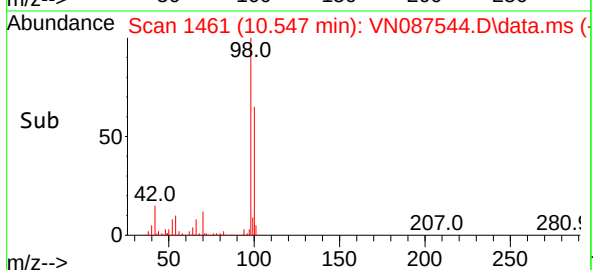
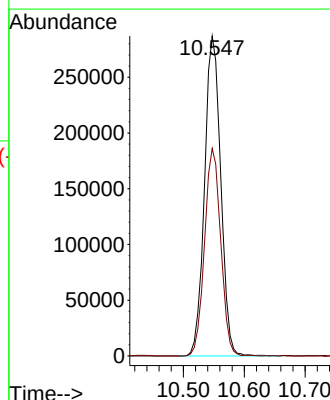
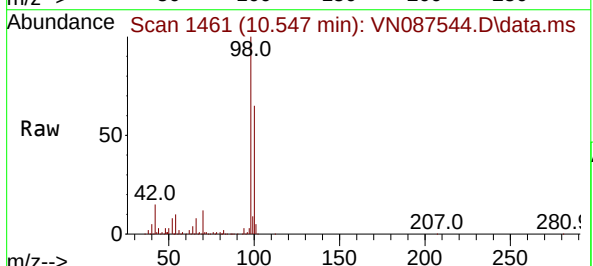
RT: 10.547 min Scan# 1461

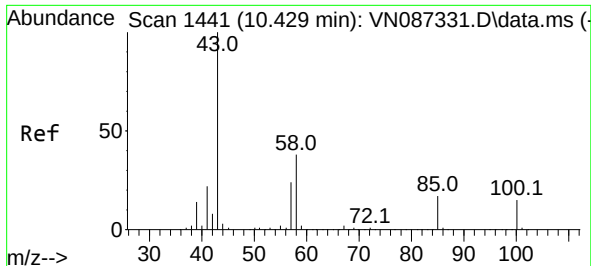
Delta R.T. 0.000 min

Lab File: VN087544.D

Acq: 13 Aug 2025 18:34

Tgt Ion:	98	Resp:	531558
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

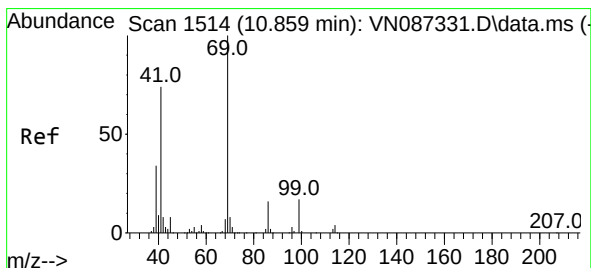
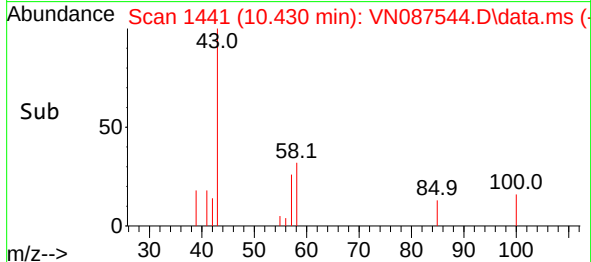
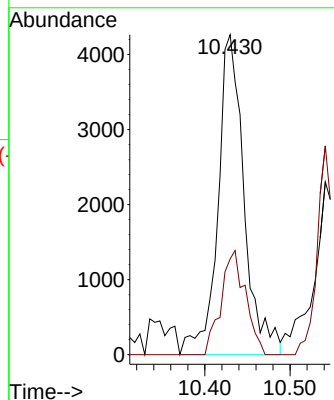
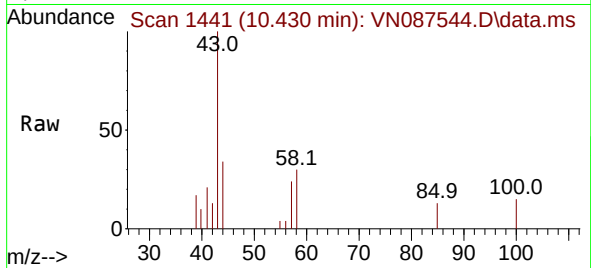




#51
4-Methyl-2-Pentanone
Concen: 1.543 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.001 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

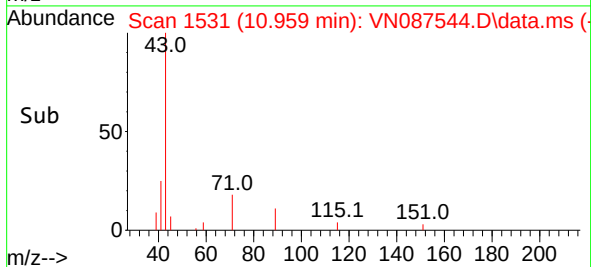
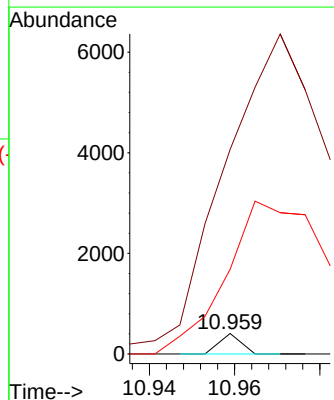
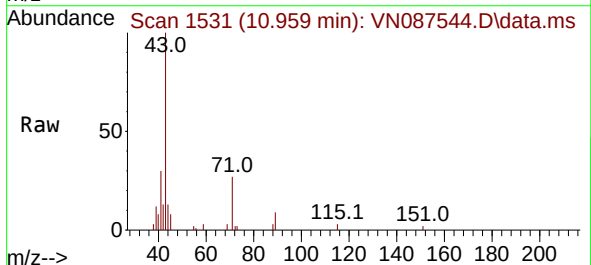
Instrument :
MSVOA_N
ClientSampleId :

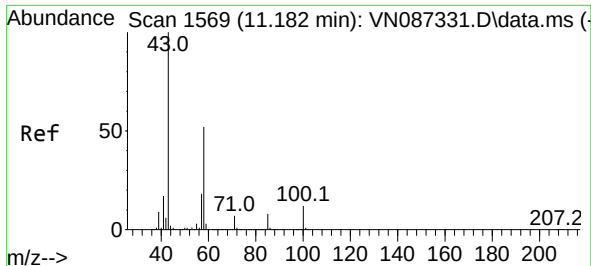
Tgt Ion: 43 Resp: 9120
Ion Ratio Lower Upper
43 100
58 30.3 30.8 46.2#



#56
Ethyl methacrylate
Concen: 0.661 ug/l
RT: 10.959 min Scan# 1531
Delta R.T. 0.100 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Tgt Ion: 69 Resp: 144
Ion Ratio Lower Upper
69 100
41 8541.0 55.1 82.7#
39 4152.1 27.9 41.9#

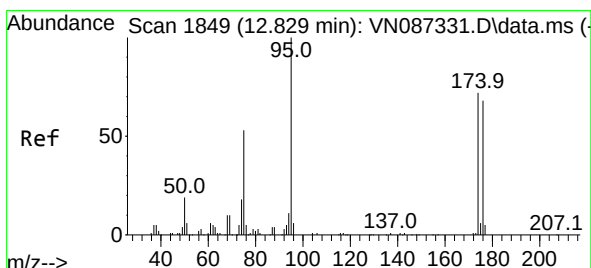
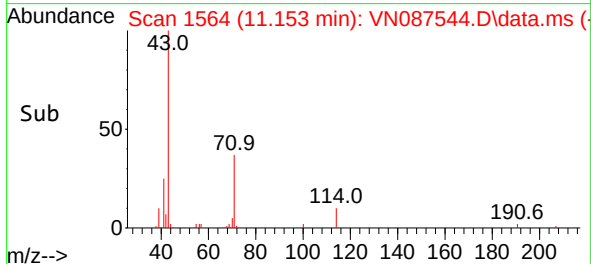
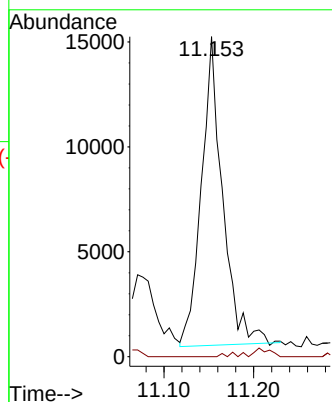
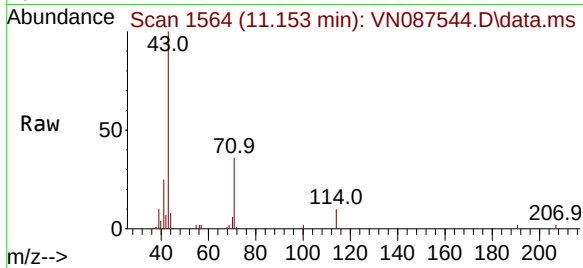




#59
2-Hexanone
Concen: 6.145 ug/l
RT: 11.153 min Scan# 1564
Delta R.T. -0.029 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

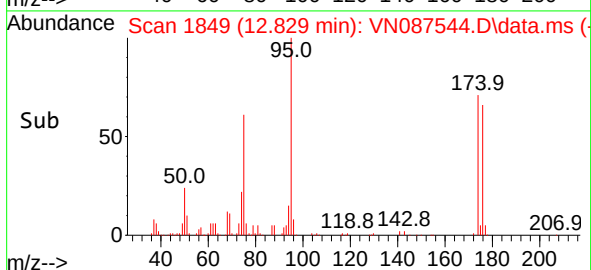
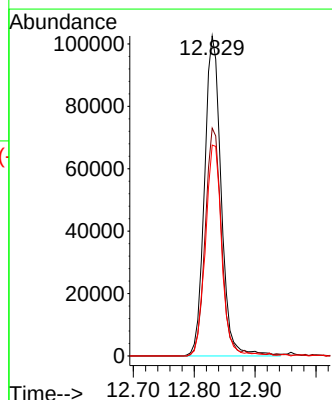
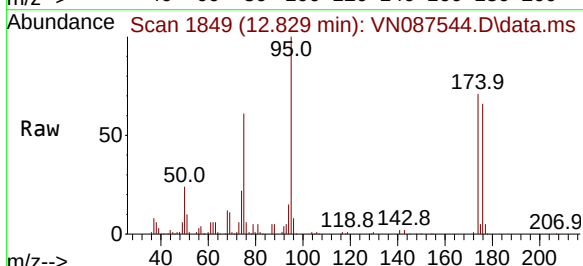
Instrument :
MSVOA_N
ClientSampleId :

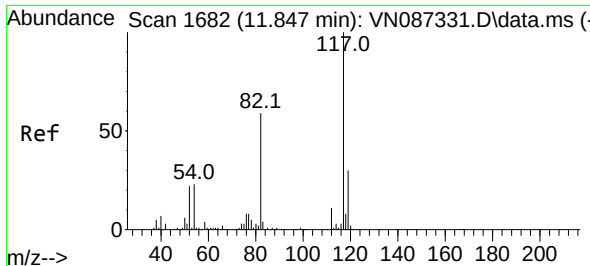
Tgt Ion: 43 Resp: 24095
Ion Ratio Lower Upper
43 100
58 0.2 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 46.805 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

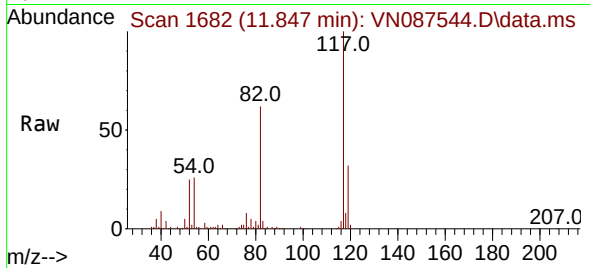
Tgt Ion: 95 Resp: 194598
Ion Ratio Lower Upper
95 100
174 69.5 0.0 149.4
176 65.1 0.0 141.2



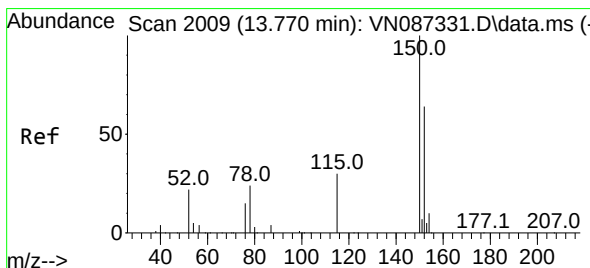
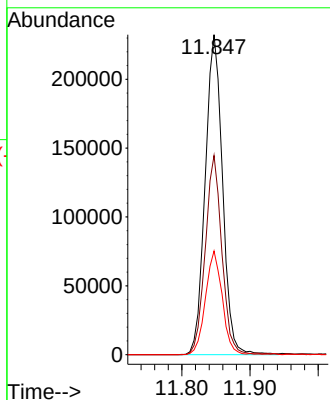
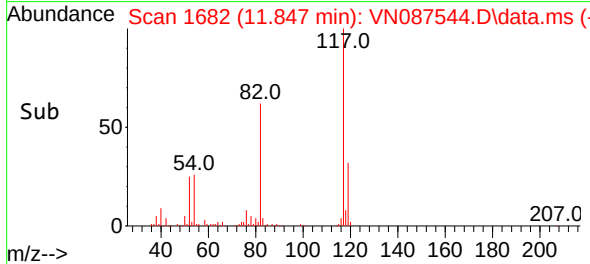


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

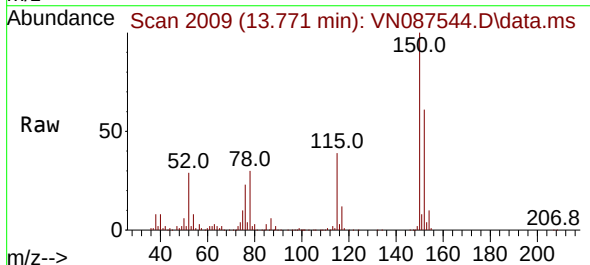
Instrument :
MSVOA_N
ClientSampleId :



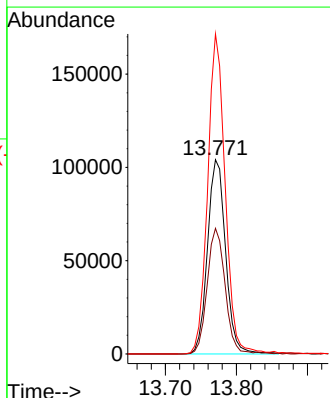
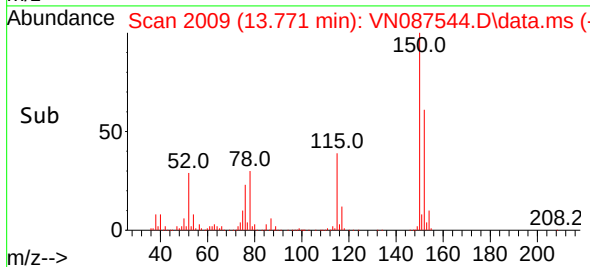
Tgt Ion:117 Resp: 411601
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 32.4 23.8 35.8

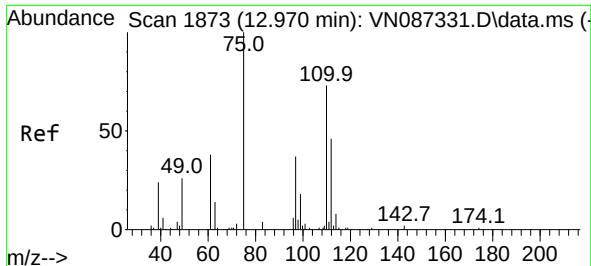


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34



Tgt Ion:152 Resp: 185018
Ion Ratio Lower Upper
152 100
115 64.2 31.1 93.5
150 159.2 0.0 349.0

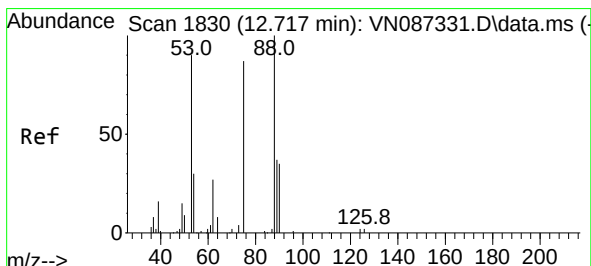
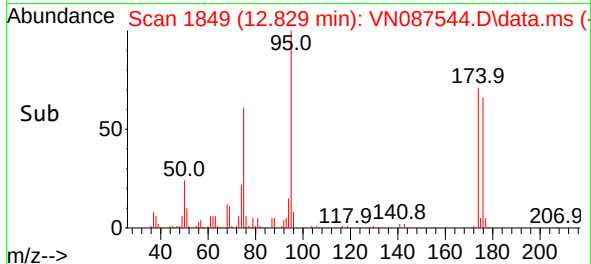
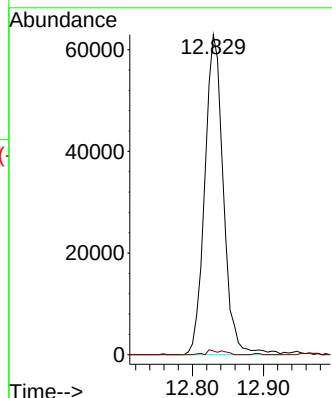
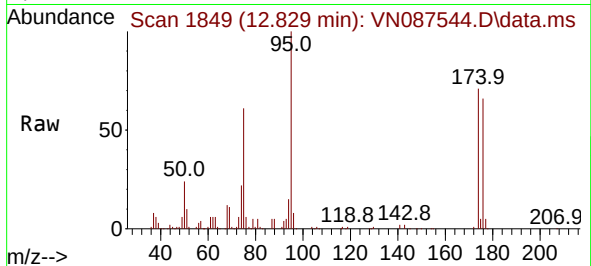




#76
1,2,3-Trichloropropane
Concen: 27.653 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

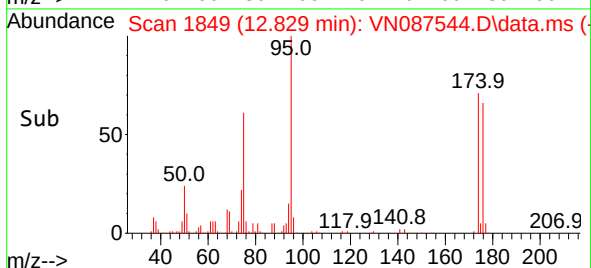
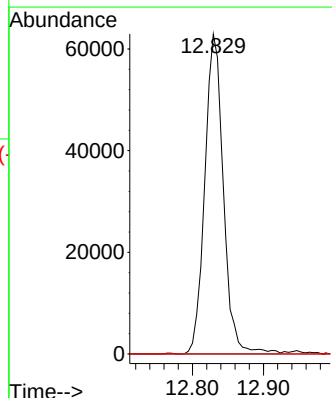
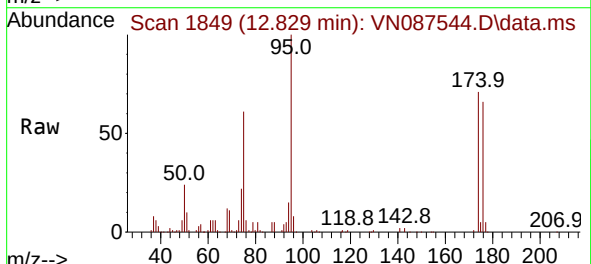
Instrument :
MSVOA_N
ClientSampleId :

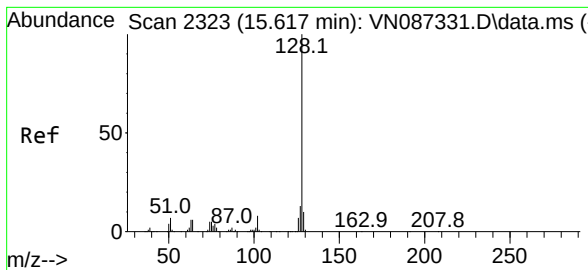
Tgt Ion: 75 Resp: 114731
Ion Ratio Lower Upper
75 100
77 0.8 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.664 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Tgt Ion: 75 Resp: 114731
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.4 57.6#





#95
Naphthalene
Concen: 5.667 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087544.D
Acq: 13 Aug 2025 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	66215
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	8.4	12.6

