

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087800.D
 Acq On : 11 Sep 2025 16:06
 Operator : JC\MD
 Sample : PB169644TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169644TB

Quant Time: Sep 12 02:54:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

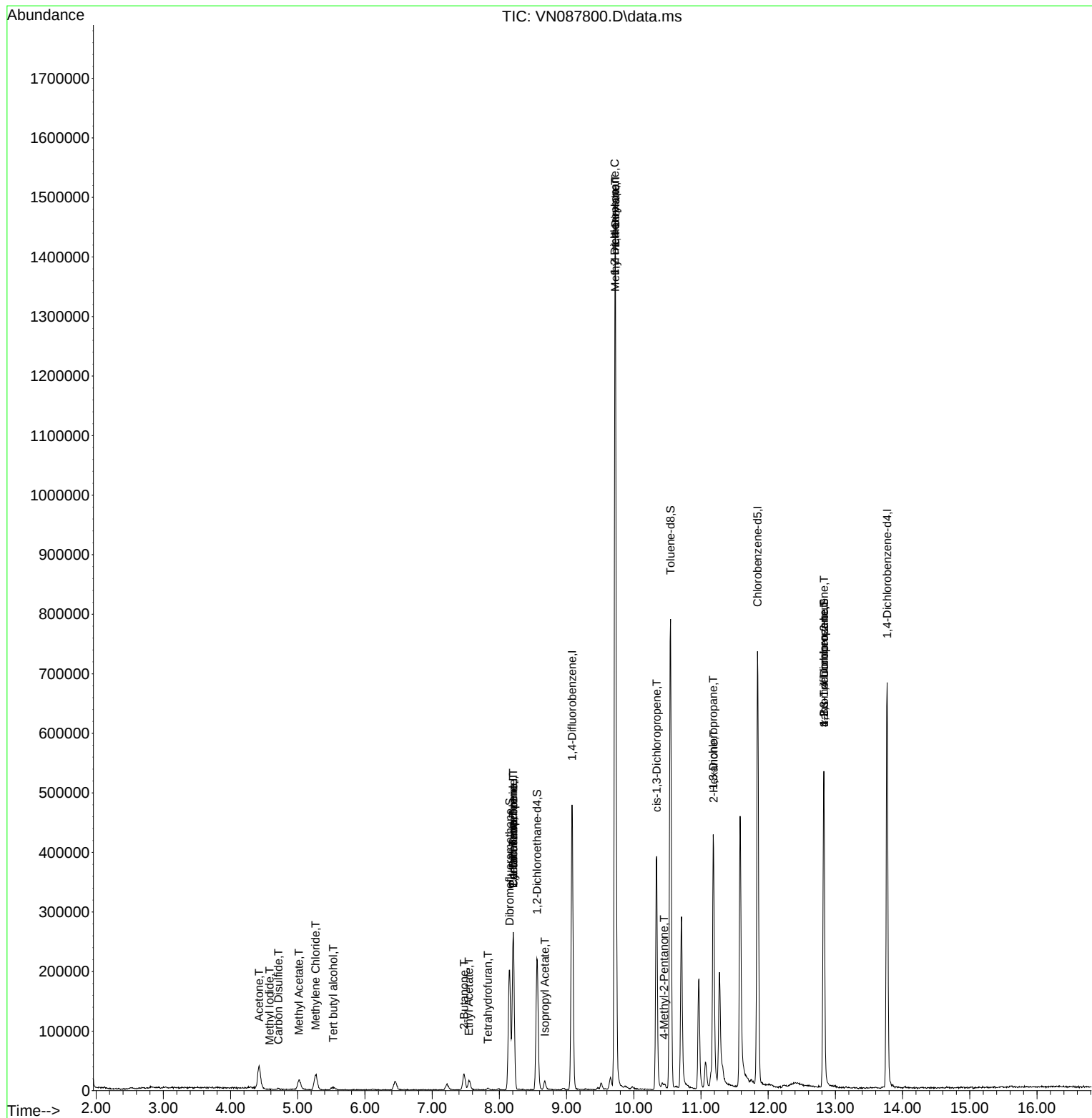
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	172987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	394904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	402876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	179551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	182499	51.491	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.980%	
35) Dibromofluoromethane	8.153	113	148306	52.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.040%	
50) Toluene-d8	10.547	98	531983	49.851	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	12.829	95	185310	48.828	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.660%	
Target Compounds						Qvalue
10) Methyl Iodide	4.583	142	55	6.837	ug/l #	38
11) Tert butyl alcohol	5.530	59	7141	11.606	ug/l #	85
16) Acetone	4.424	43	75649	39.208	ug/l	97
17) Carbon Disulfide	4.712	76	3018	0.440	ug/l #	58
18) Methyl Acetate	5.018	43	36763	9.100	ug/l #	88
20) Methylene Chloride	5.265	84	19481	5.885	ug/l #	76
25) 2-Butanone	7.477	43	43695	17.214	ug/l	99
29) Tetrahydrofuran	7.830	42	1957	1.198	ug/l #	68
31) Cyclohexane	8.206	56	5473	1.228	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	16294	3.725	ug/l #	52
37) Ethyl Acetate	7.547	43	23761	3.975	ug/l #	94
38) Carbon Tetrachloride	8.206	117	20065	4.646	ug/l #	13
43) Isopropyl Acetate	8.677	43	16394	1.757	ug/l #	91
45) 1,2-Dichloropropane	9.718	63	2068	0.585	ug/l #	43
48) Methyl methacrylate	9.724	41	141122	31.971	ug/l #	47
49) 1,4-Dioxane	9.730	88	53	0.926	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7988	1.419	ug/l #	38
54) cis-1,3-Dichloropropene	10.341	75	68503	12.358	ug/l #	65
57) 1,3-Dichloropropane	11.182	76	4990	0.876	ug/l #	42
59) 2-Hexanone	11.188	43	95029	26.706	ug/l #	55
76) 1,2,3-Trichloropropane	12.829	75	103137	24.495	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	103137	64.847	ug/l #	1

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

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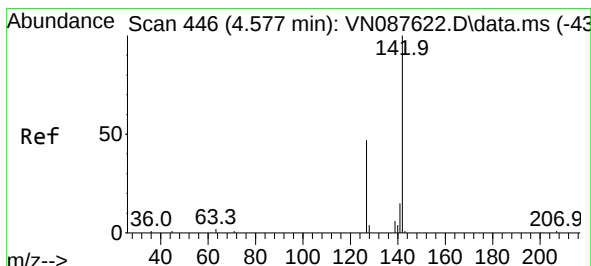
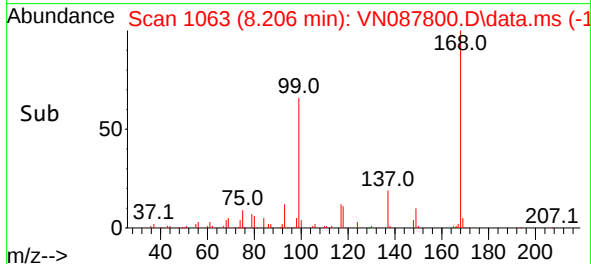
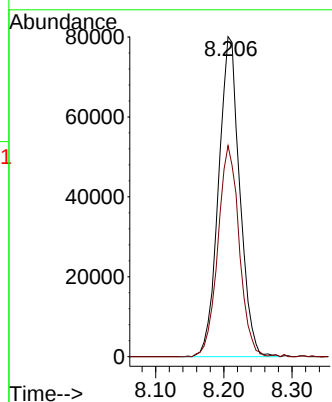
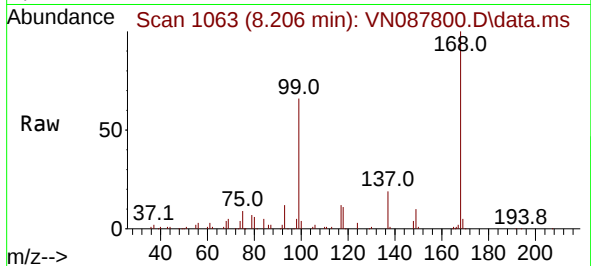




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

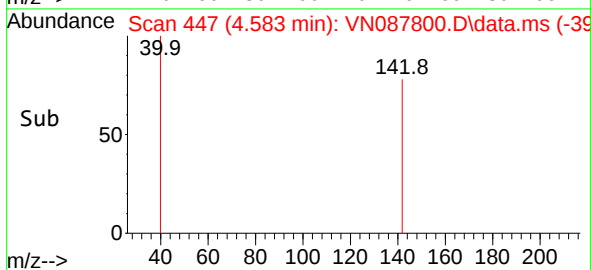
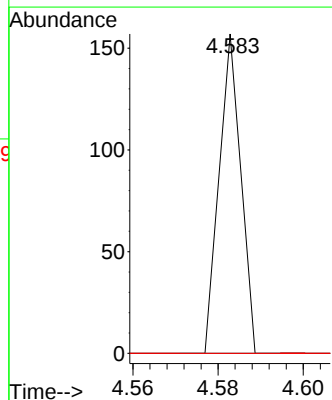
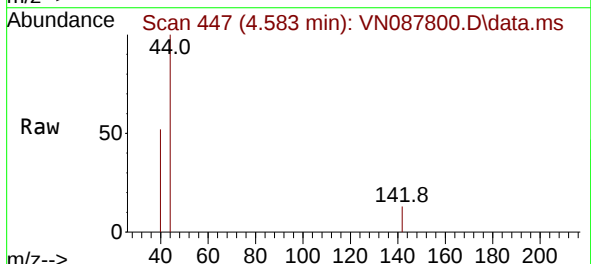
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

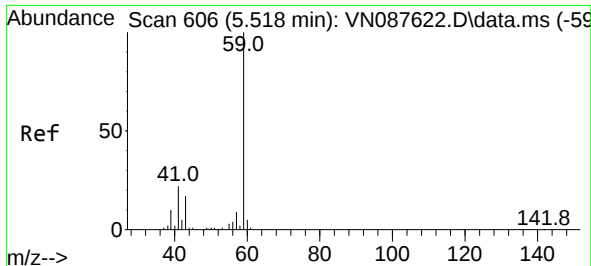
Tgt Ion:168 Resp: 172987
Ion Ratio Lower Upper
168 100
99 65.9 57.2 85.8



#10
Methyl Iodide
Concen: 6.837 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

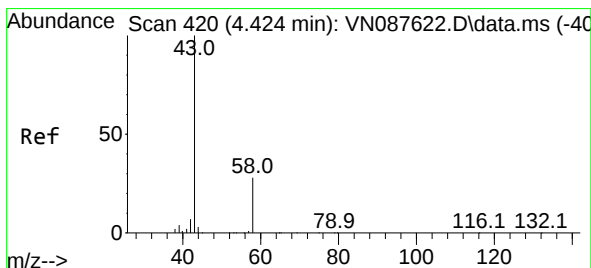
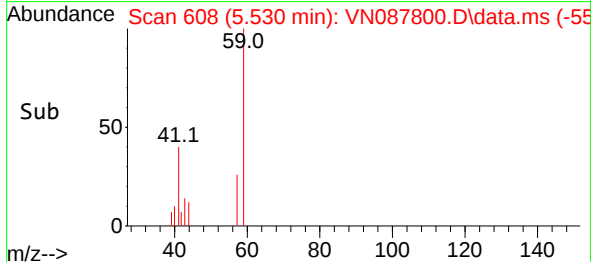
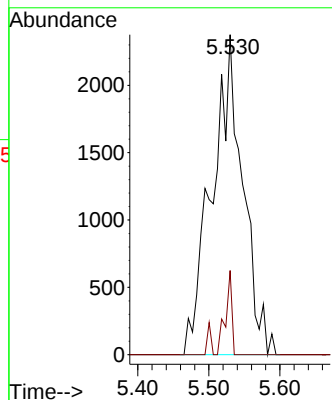
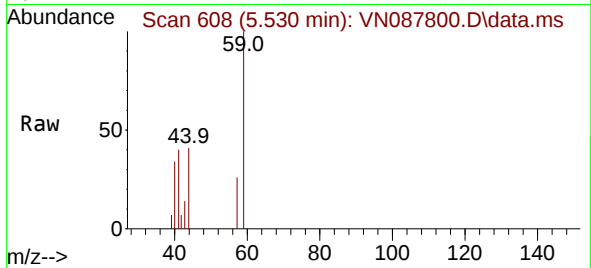




#11
Tert butyl alcohol
Concen: 11.606 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

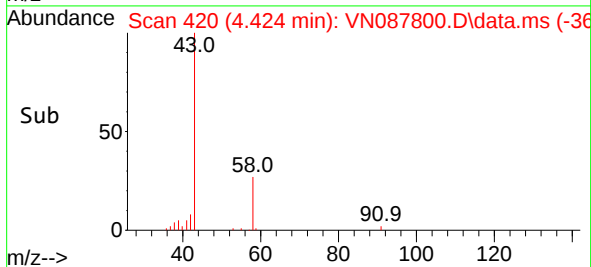
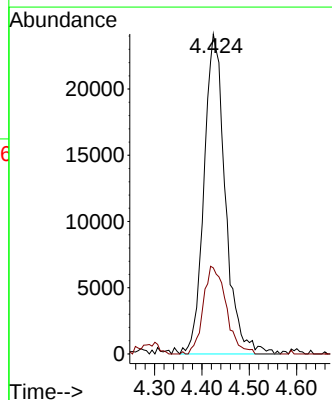
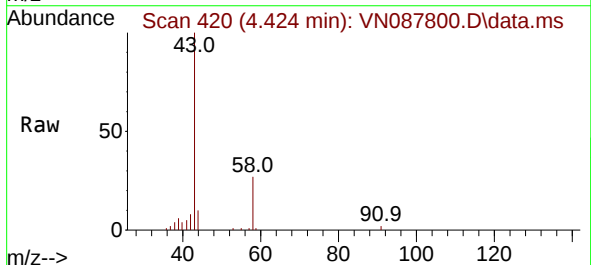
Instrument :
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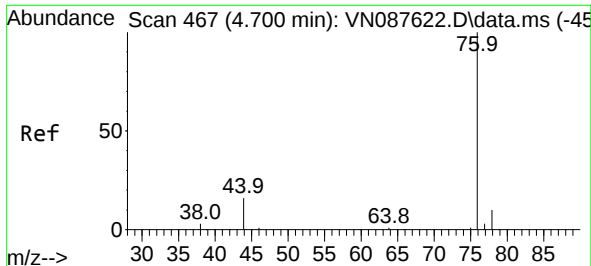
Tgt Ion: 59 Resp: 7141
Ion Ratio Lower Upper
59 100
57 5.4 9.0 13.4#



#16
Acetone
Concen: 39.208 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 43 Resp: 75649
Ion Ratio Lower Upper
43 100
58 26.9 22.6 33.8

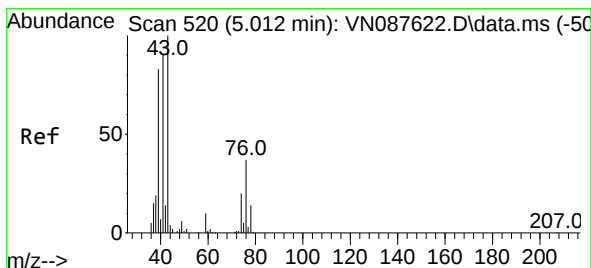
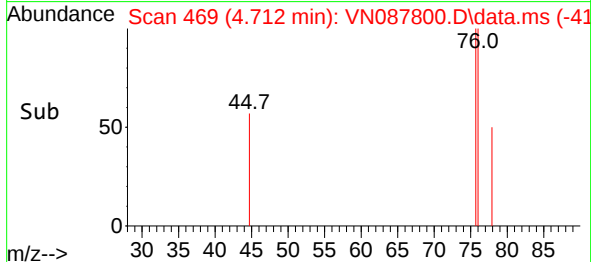
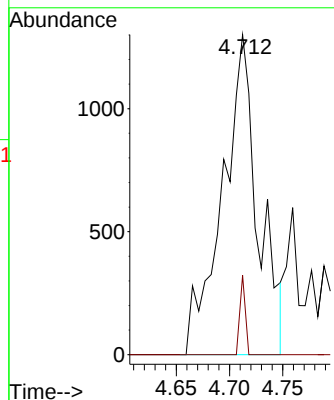
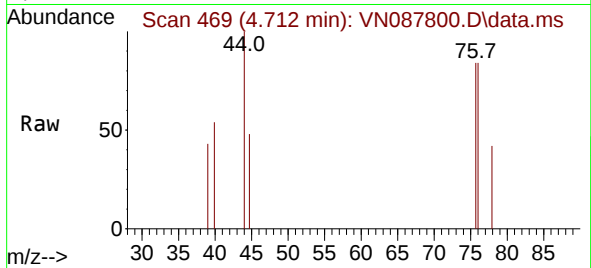




#17
Carbon Disulfide
Concen: 0.440 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

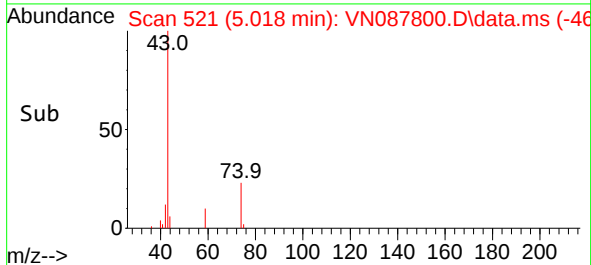
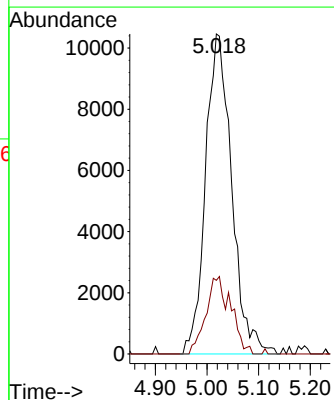
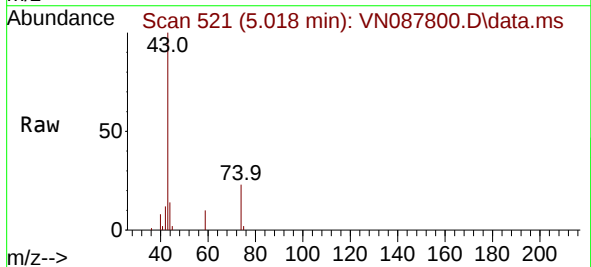
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

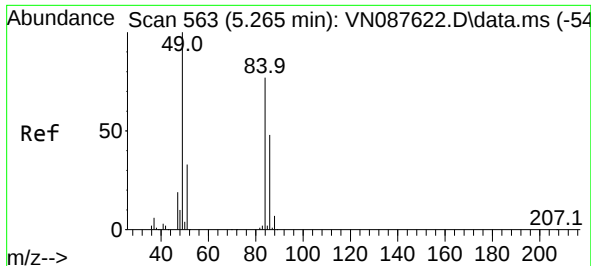
Tgt Ion: 76 Resp: 3018
Ion Ratio Lower Upper
76 100
78 24.8 7.6 11.4#



#18
Methyl Acetate
Concen: 9.100 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 43 Resp: 36763
Ion Ratio Lower Upper
43 100
74 16.5 17.6 26.4#

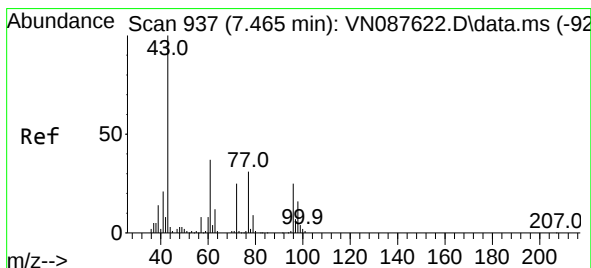
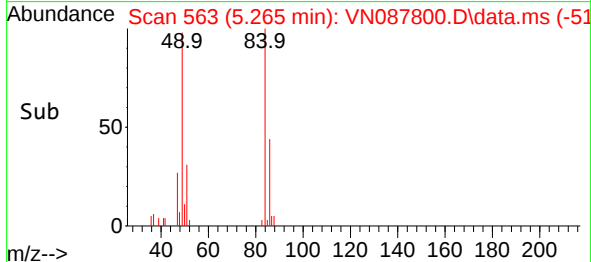
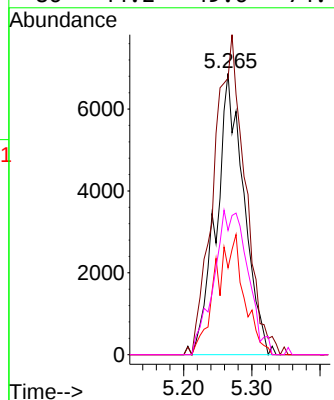
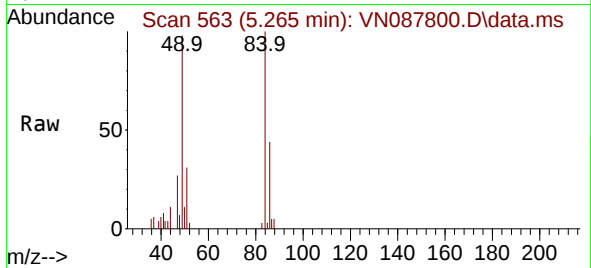




#20
Methylene Chloride
Concen: 5.885 ug/l
RT: 5.265 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

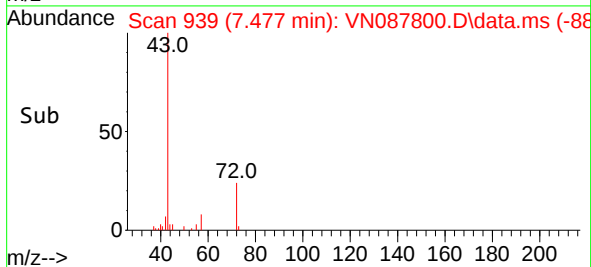
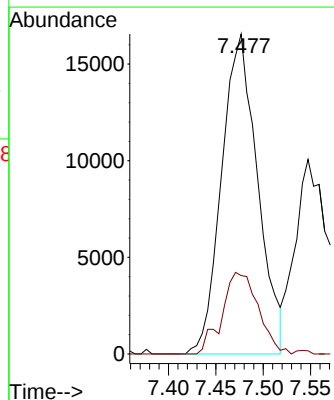
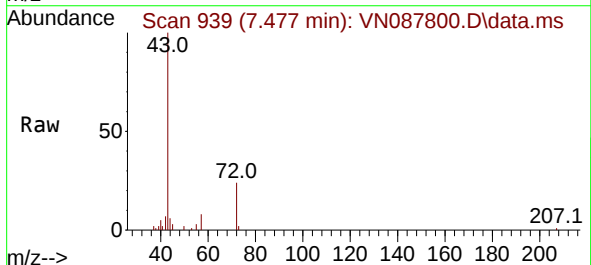
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

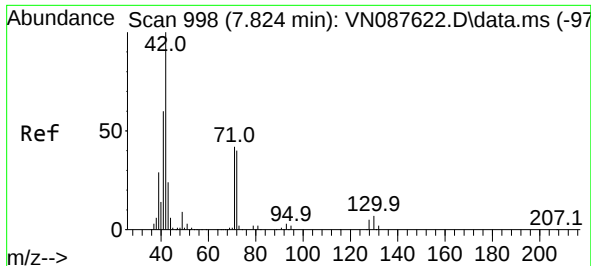
Tgt Ion:	84	Resp:	19481
Ion	Ratio	Lower	Upper
84	100		
49	98.3	103.4	155.2#
51	30.9	33.8	50.8#
86	44.2	49.6	74.4#



#25
2-Butanone
Concen: 17.214 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion:	43	Resp:	43695
Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.9	29.9





#29

Tetrahydrofuran

Concen: 1.198 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN087800.D

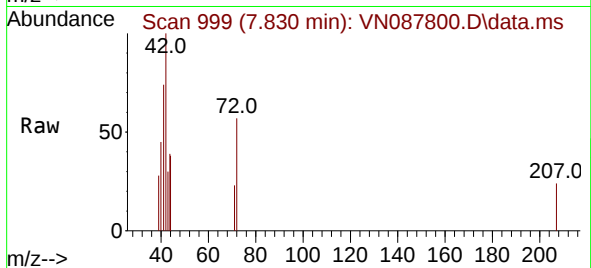
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Instrument :

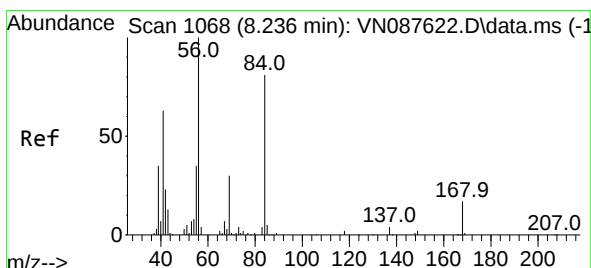
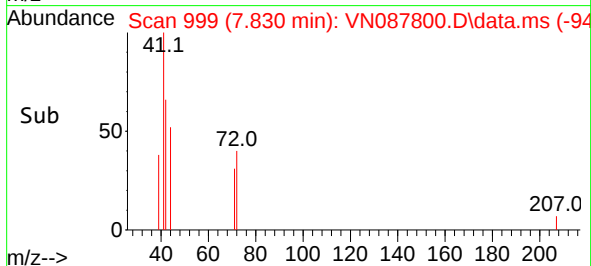
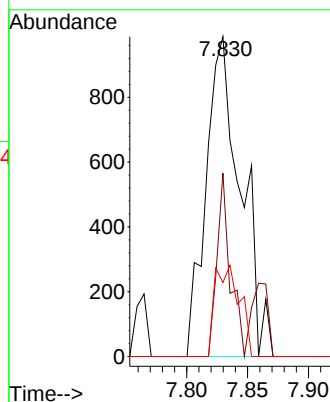
MSVOA_N

ClientSampleId :

PB169644TB



Tgt Ion:	42	Resp:	1957
Ion Ratio	Lower	Upper	
42	100		
72	21.9	33.7	50.5#
71	20.4	31.9	47.9#



#31

Cyclohexane

Concen: 1.228 ug/l

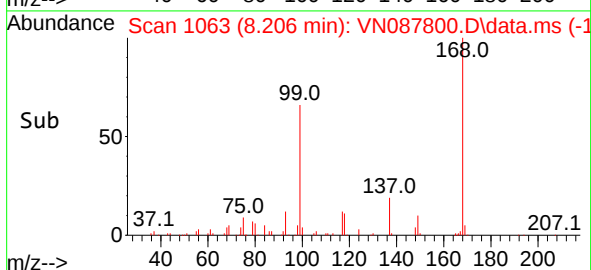
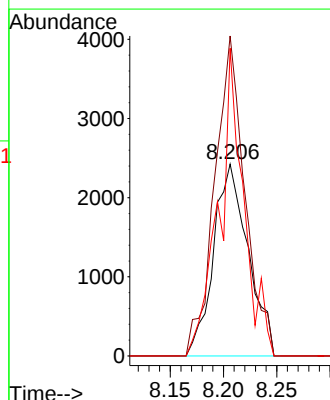
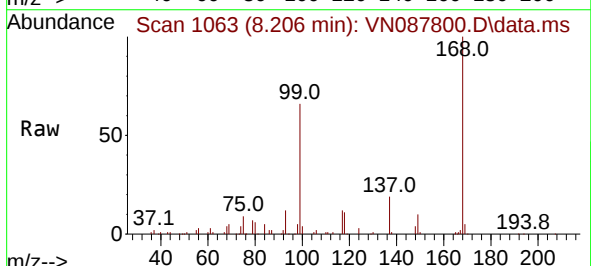
RT: 8.206 min Scan# 1063

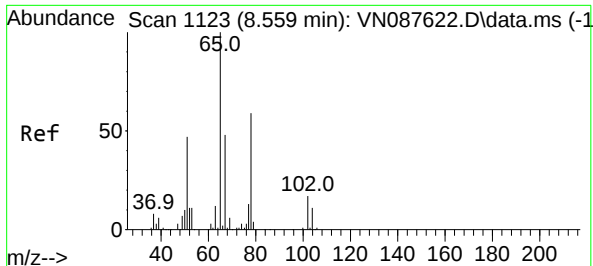
Delta R.T. -0.029 min

Lab File: VN087800.D

Acq: 11 Sep 2025 16:06

Tgt Ion:	56	Resp:	5473
Ion Ratio	Lower	Upper	
56	100		
69	166.9	23.7	35.5#
84	160.5	64.7	97.1#

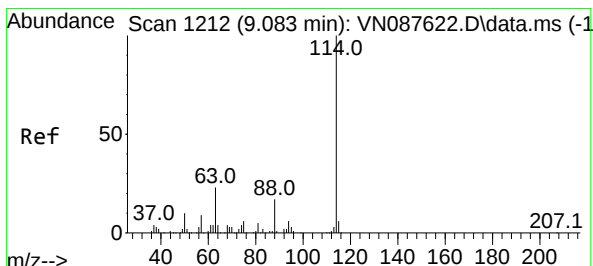
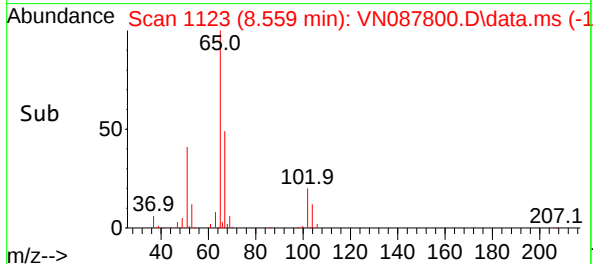
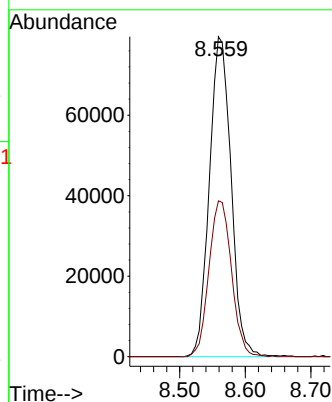
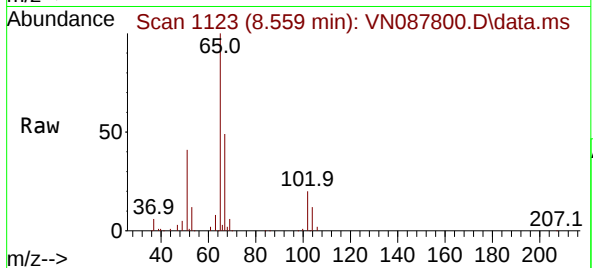




#33
1,2-Dichloroethane-d4
Concen: 51.491 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

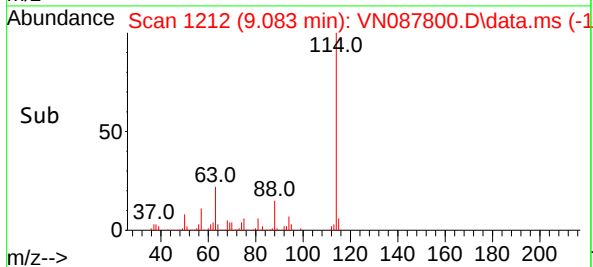
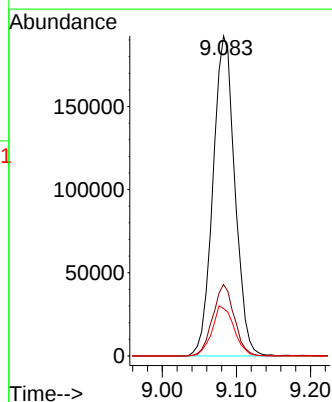
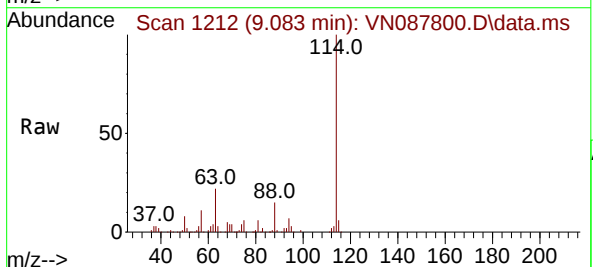
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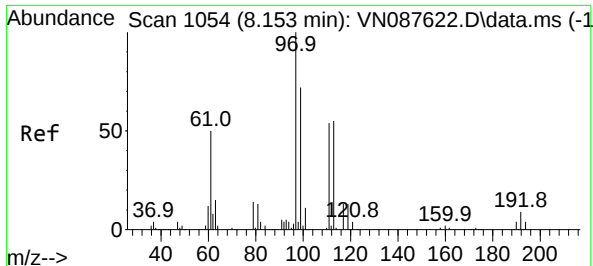
Tgt Ion: 65 Resp: 182499
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 114 Resp: 394904
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.2
88 14.8 0.0 33.4

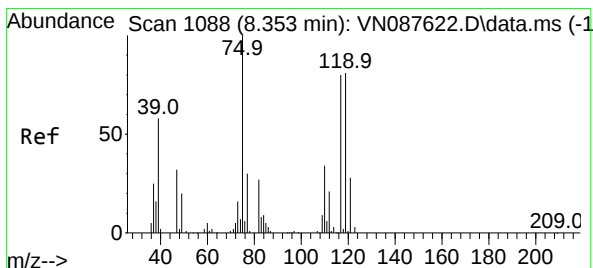
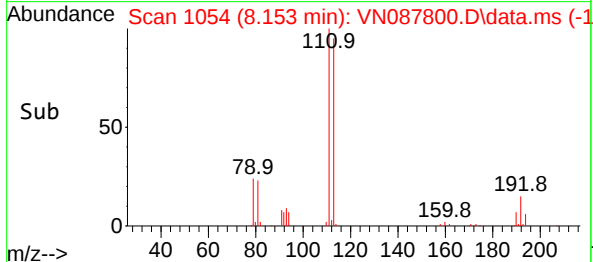
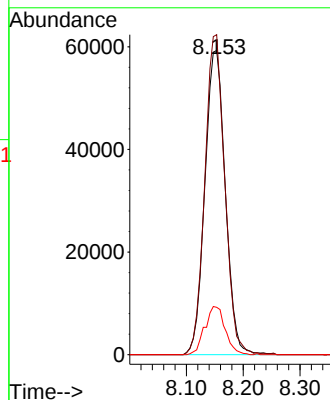
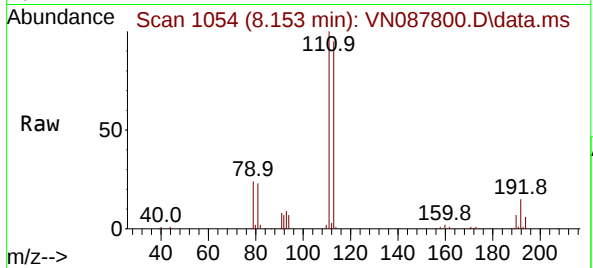




#35
Dibromofluoromethane
Concen: 52.015 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

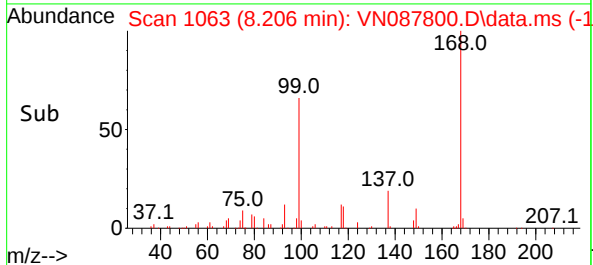
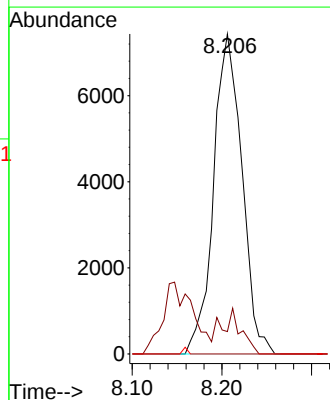
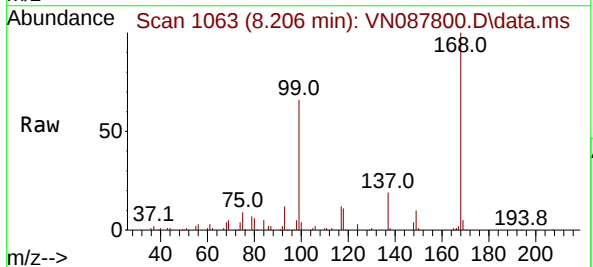
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

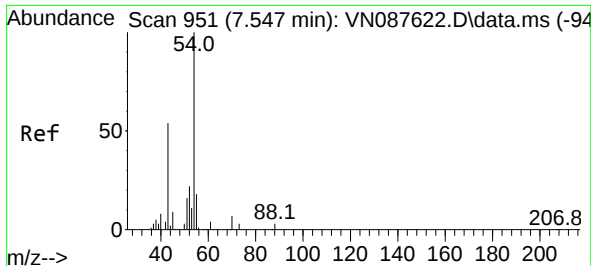
Tgt Ion:113 Resp: 148306
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 15.8 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.725 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 75 Resp: 16294
Ion Ratio Lower Upper
75 100
110 9.8 15.9 47.6#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.975 ug/l

RT: 7.547 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN087800.D

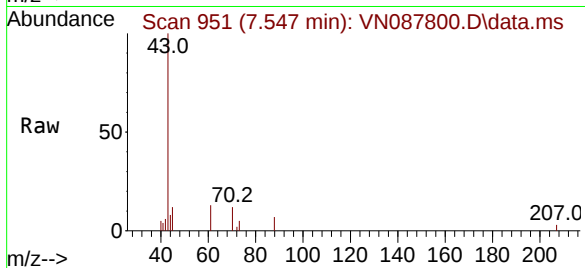
Acq: 11 Sep 2025 16:06

Instrument :

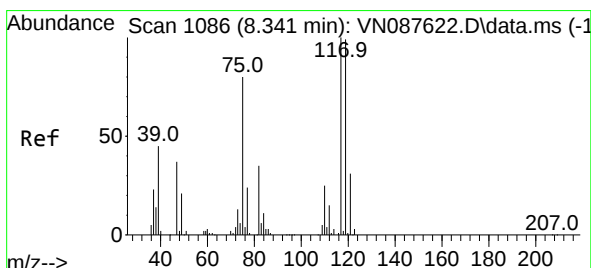
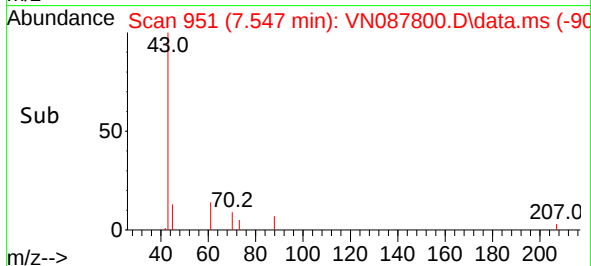
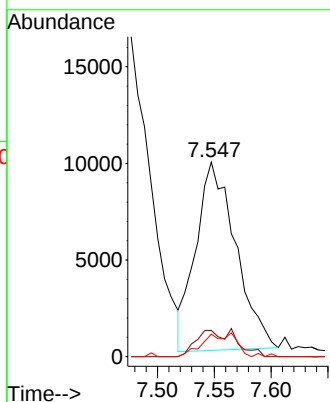
MSVOA_N

ClientSampleId :

PB169644TB



Tgt Ion:	43	Resp:	23761
Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.3	13.9#
70	10.3	7.0	10.6



#38

Carbon Tetrachloride

Concen: 4.646 ug/l

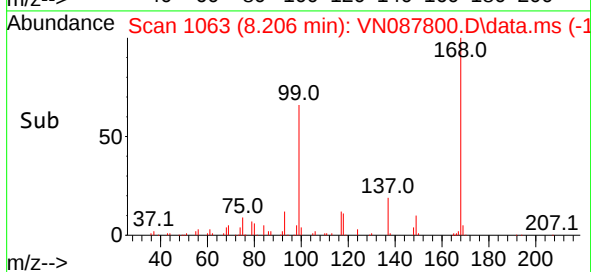
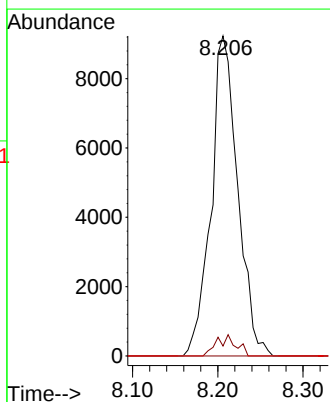
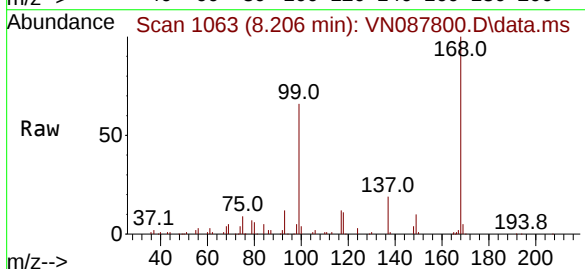
RT: 8.206 min Scan# 1063

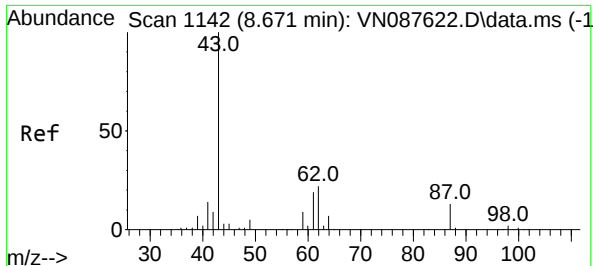
Delta R.T. -0.135 min

Lab File: VN087800.D

Acq: 11 Sep 2025 16:06

Tgt Ion:	117	Resp:	20065
Ion	Ratio	Lower	Upper
117	100		
119	3.1	79.0	118.6#
121	0.0	25.0	37.6#

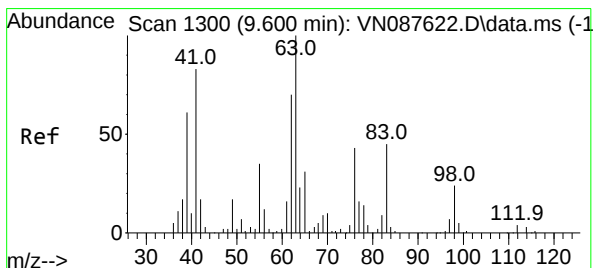
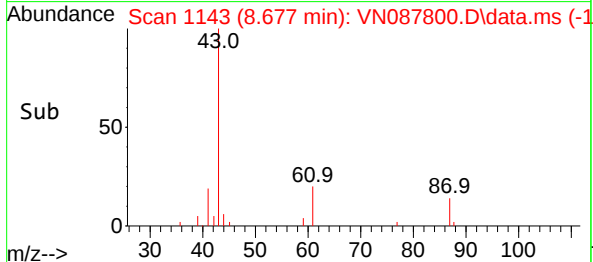
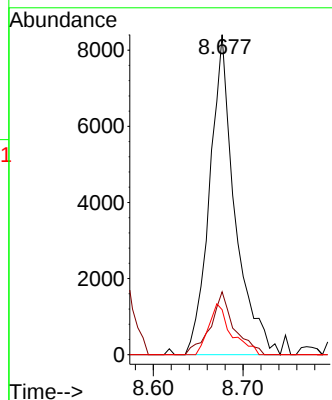
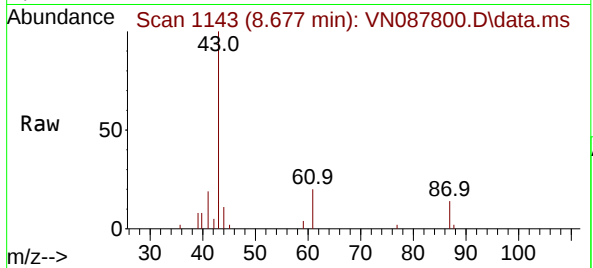




#43
Isopropyl Acetate
Concen: 1.757 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

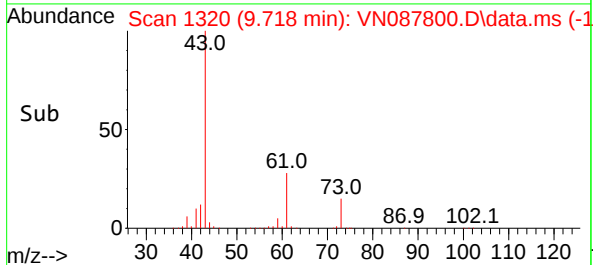
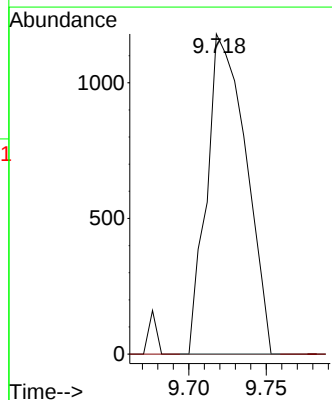
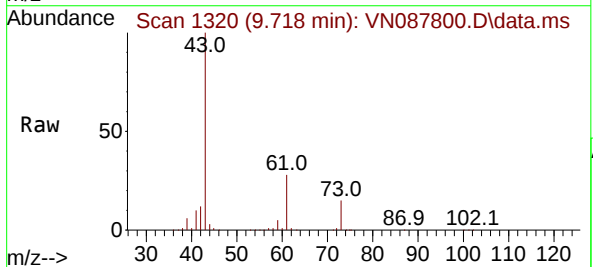
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

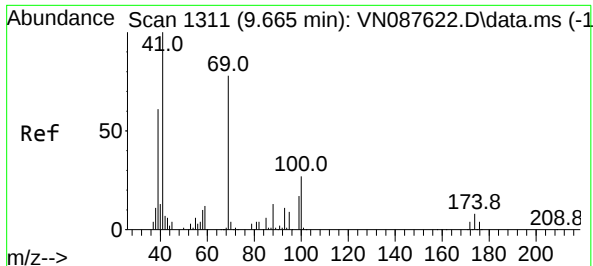
Tgt Ion: 43 Resp: 16394
Ion Ratio Lower Upper
43 100
61 18.5 18.8 28.2#
87 14.3 9.6 14.4



#45
1,2-Dichloropropane
Concen: 0.585 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.118 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 63 Resp: 2068
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#





#48

Methyl methacrylate

Concen: 31.971 ug/l

RT: 9.724 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN087800.D

Acq: 11 Sep 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

PB169644TB

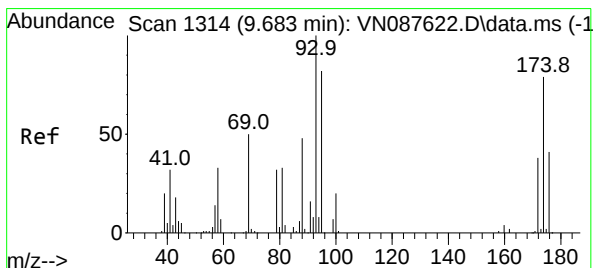
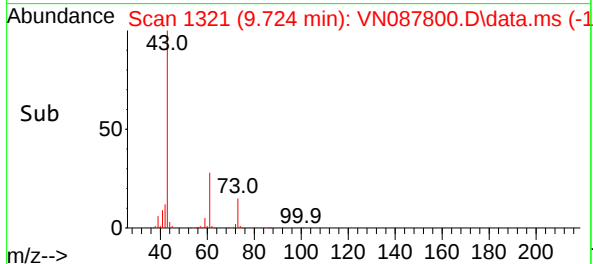
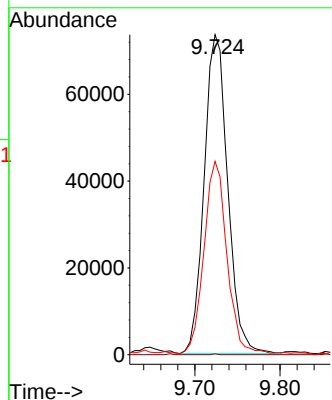
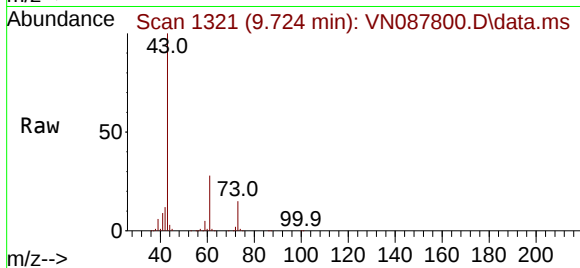
Tgt Ion: 41 Resp: 141122

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

39 58.7 52.9 79.3



#49

1,4-Dioxane

Concen: 0.926 ug/l

RT: 9.730 min Scan# 1322

Delta R.T. 0.047 min

Lab File: VN087800.D

Acq: 11 Sep 2025 16:06

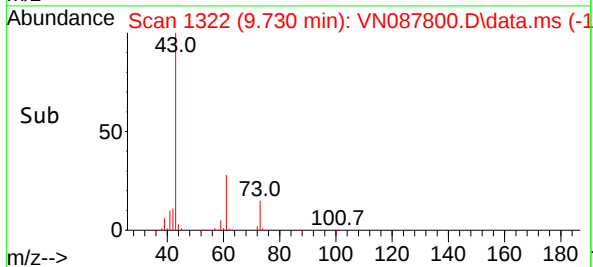
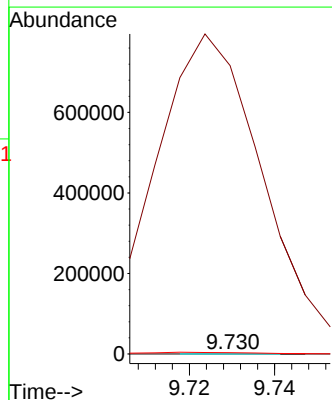
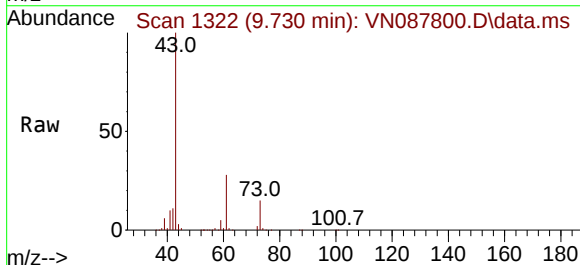
Tgt Ion: 88 Resp: 53

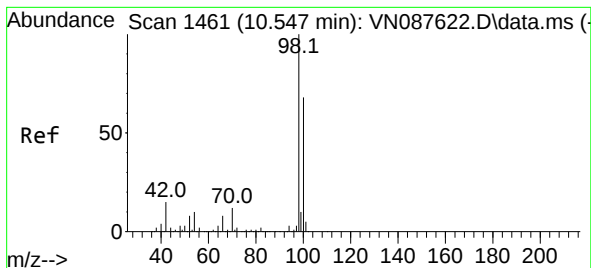
Ion Ratio Lower Upper

88 100

43 2772711.3 0.0 0.0#

58 15358.5 57.9 86.9#

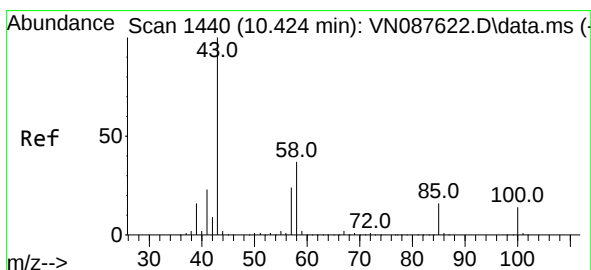
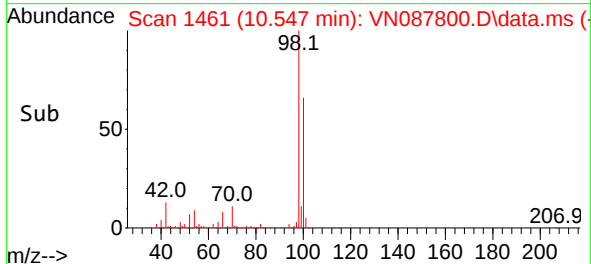
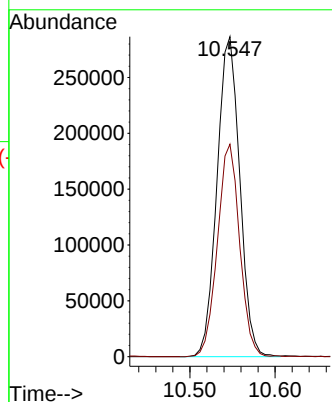
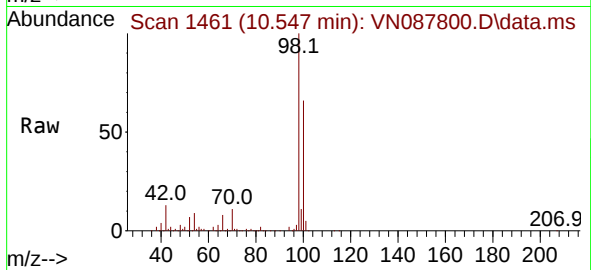




#50
Toluene-d8
Concen: 49.851 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

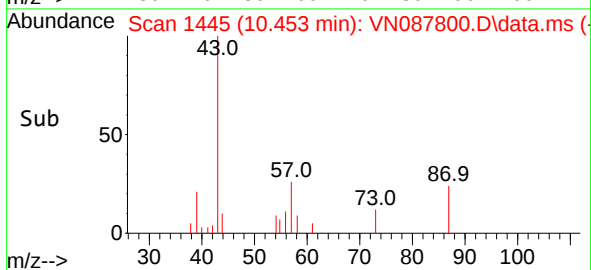
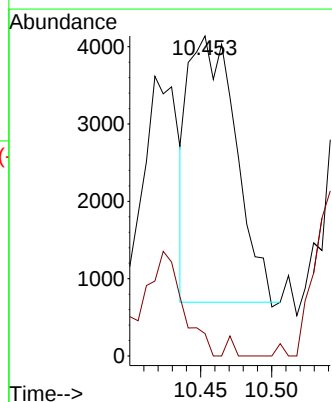
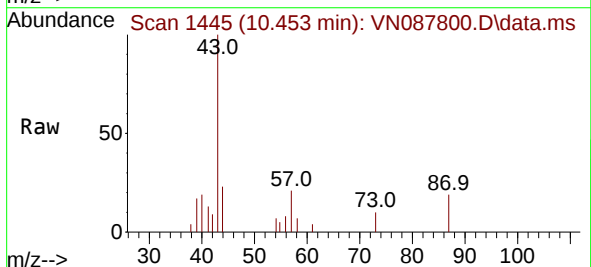
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

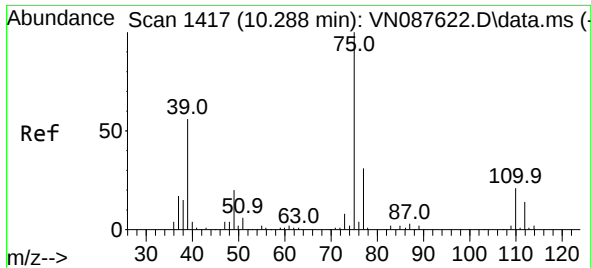
Tgt Ion: 98 Resp: 531983
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.029 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 43 Resp: 7988
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#

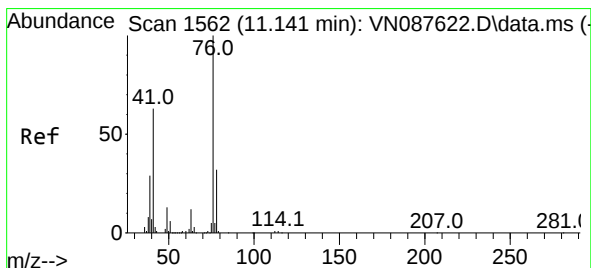
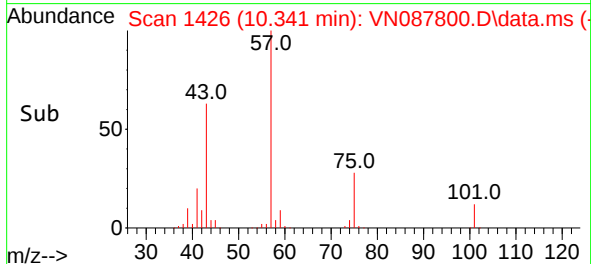
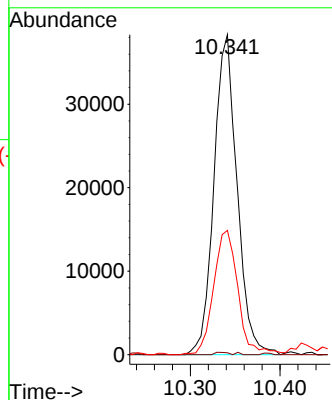
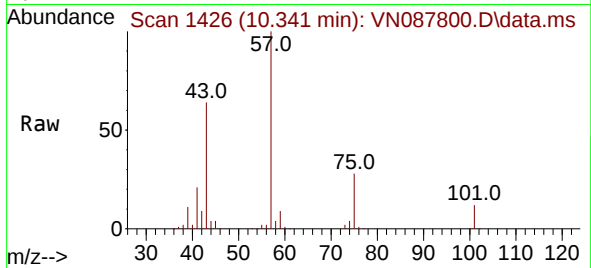




#54
 cis-1,3-Dichloropropene
 Concen: 12.358 ug/l
 RT: 10.341 min Scan# 1426
 Delta R.T. 0.053 min
 Lab File: VN087800.D
 Acq: 11 Sep 2025 16:06

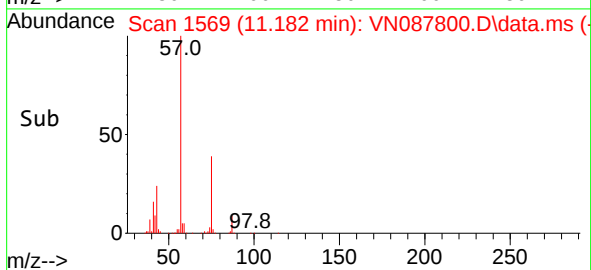
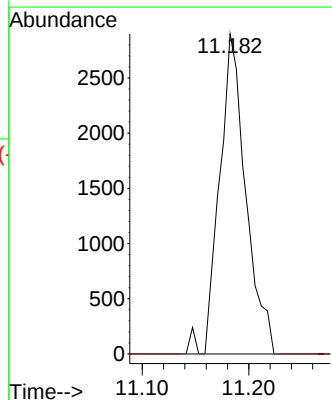
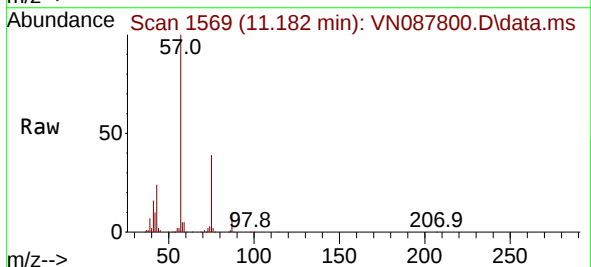
Instrument :
 MSVOA_N
 ClientSampleId :
 PB169644TB

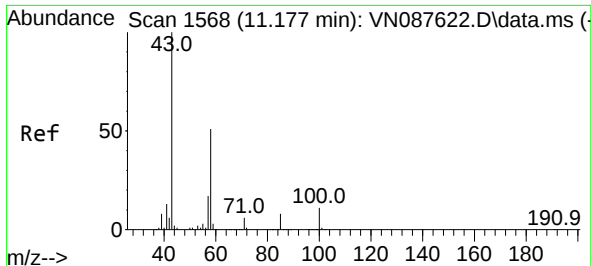
Tgt Ion: 75 Resp: 68503
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 38.8 45.2 67.8#



#57
 1,3-Dichloropropane
 Concen: 0.876 ug/l
 RT: 11.182 min Scan# 1569
 Delta R.T. 0.041 min
 Lab File: VN087800.D
 Acq: 11 Sep 2025 16:06

Tgt Ion: 76 Resp: 4990
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

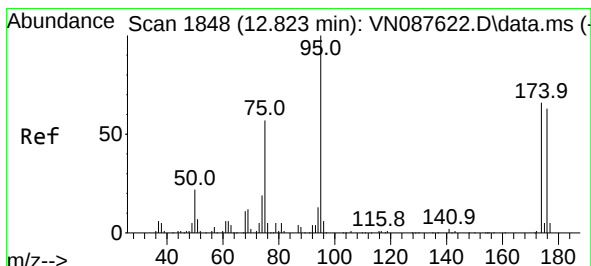
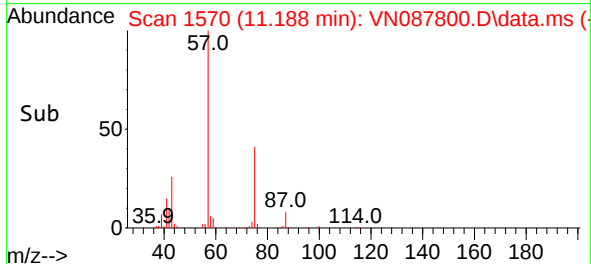
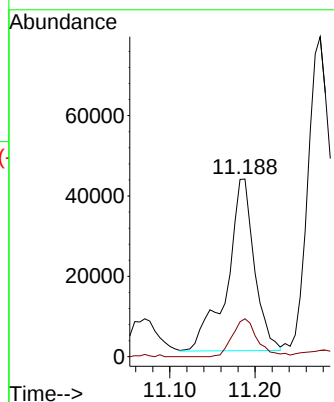
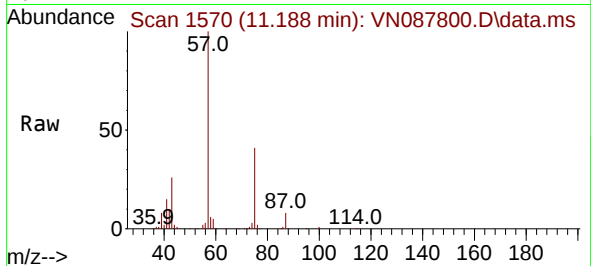




#59
2-Hexanone
Concen: 26.706 ug/l
RT: 11.188 min Scan# 1568
Delta R.T. 0.012 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

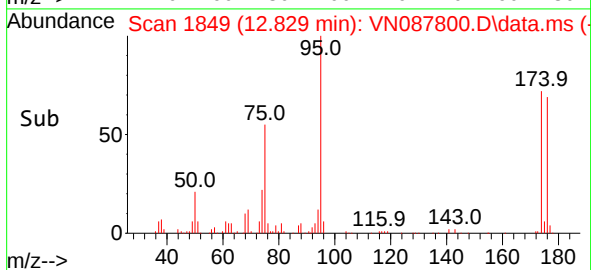
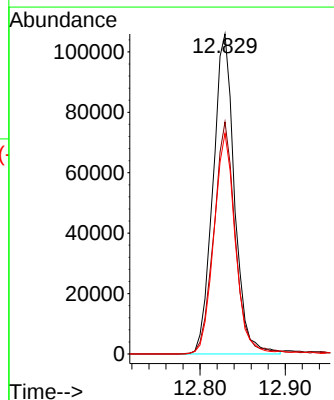
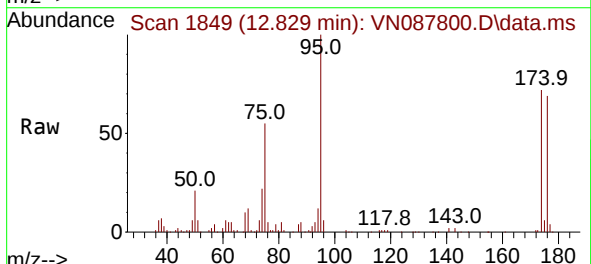
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

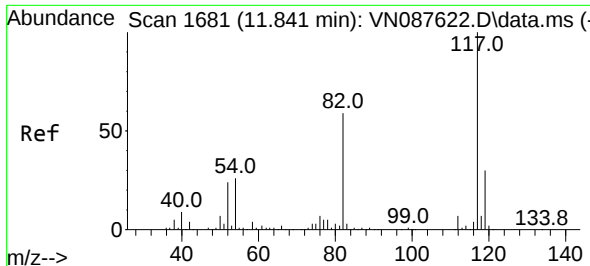
Tgt Ion: 43 Resp: 95029
Ion Ratio Lower Upper
43 100
58 20.4 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 48.828 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 95 Resp: 185310
Ion Ratio Lower Upper
95 100
174 72.9 0.0 138.4
176 68.5 0.0 132.6

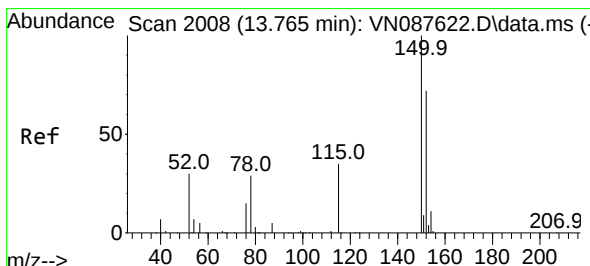
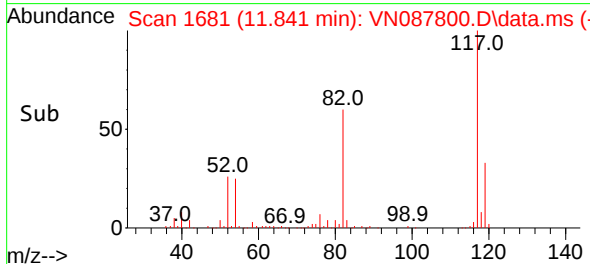
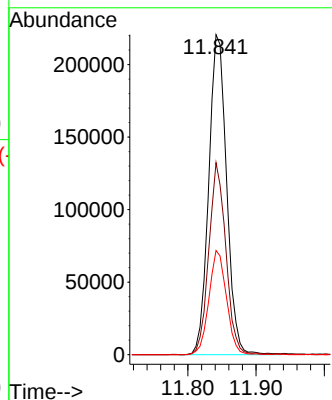
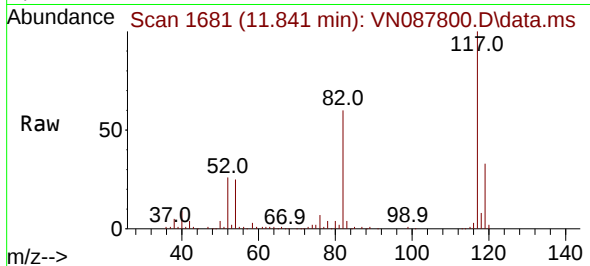




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

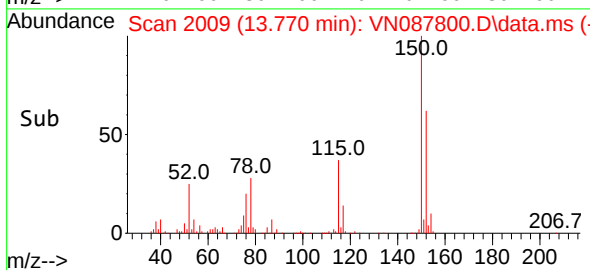
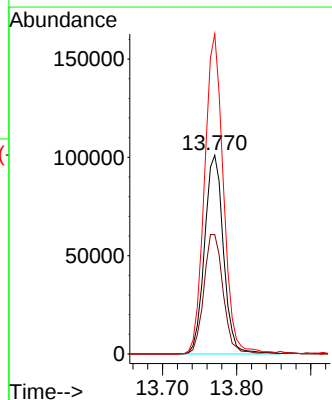
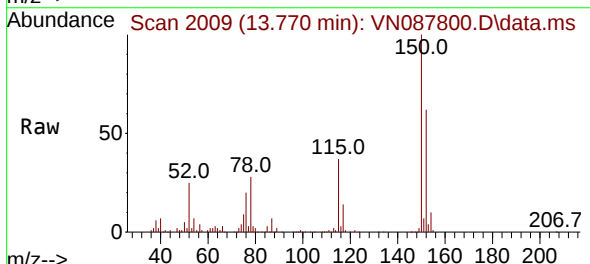
Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

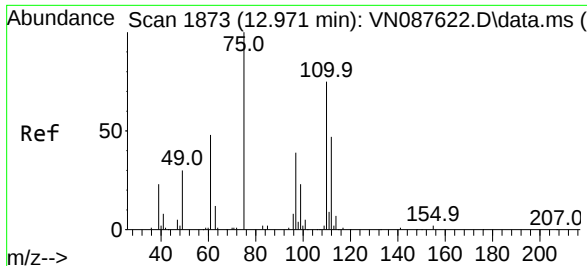
Tgt Ion:117 Resp: 402876
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion:152 Resp: 179551
Ion Ratio Lower Upper
152 100
115 61.4 32.3 96.8
150 160.4 0.0 351.0

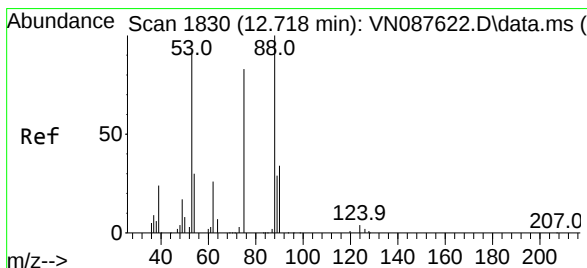
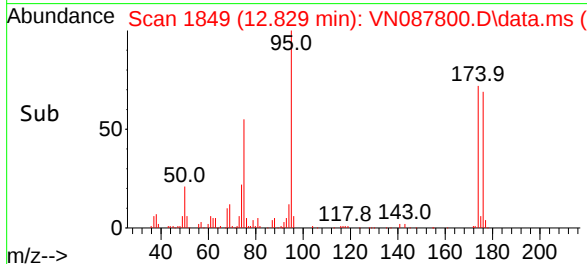
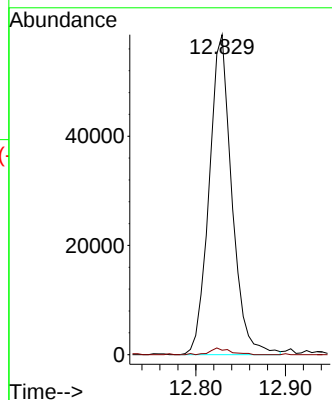
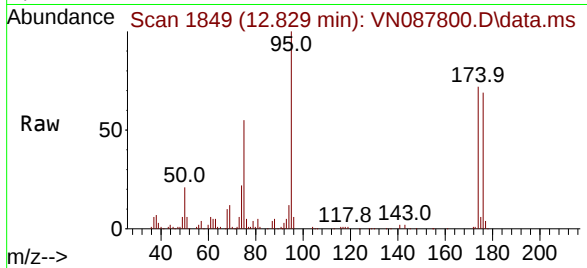




#76
1,2,3-Trichloropropane
Concen: 24.495 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :
PB169644TB

Tgt Ion: 75 Resp: 103137
Ion Ratio Lower Upper
75 100
77 1.8 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.847 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087800.D
Acq: 11 Sep 2025 16:06

Tgt Ion: 75 Resp: 103137
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.3 35.6 53.4#

