

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087529.D
 Acq On : 13 Aug 2025 13:01
 Operator : JC\MD
 Sample : PB169213TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 03:58:20 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	8.206	168	246878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	552759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	514774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	238878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	266701	63.667	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	127.340%#
35) Dibromofluoromethane	8.153	113	191019	50.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.200%
50) Toluene-d8	10.547	98	712867	52.412	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.820%
62) 4-Bromofluorobenzene	12.829	95	261604	52.061	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.120%
Target Compounds						
						Qvalue
5) Bromomethane	2.989	94	1498	0.883	ug/l #	68
8) Diethyl Ether	3.959	74	538	0.286	ug/l	61
10) Methyl Iodide	4.565	142	234	5.712	ug/l #	40
11) Tert butyl alcohol	5.524	59	654	0.822	ug/l	97
13) Acrolein	4.159	56	629	0.985	ug/l #	73
14) Allyl chloride	5.024	41	1860	0.365	ug/l #	34
16) Acetone	4.424	43	85411	43.486	ug/l	95
17) Carbon Disulfide	4.694	76	4062	0.486	ug/l #	71
18) Methyl Acetate	5.018	43	52497	10.639	ug/l	98
20) Methylene Chloride	5.271	84	30012	8.508	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	1014	0.319	ug/l #	35
23) Vinyl Acetate	6.594	43	2526	0.270	ug/l #	74
25) 2-Butanone	7.483	43	17075	5.627	ug/l	96
28) Bromochloromethane	7.794	49	892	0.302	ug/l #	95
29) Tetrahydrofuran	7.818	42	759	0.385	ug/l #	35
31) Cyclohexane	8.212	56	7784	1.511	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	24203	4.805	ug/l #	49
37) Ethyl Acetate	7.559	43	37043	5.092	ug/l	98
38) Carbon Tetrachloride	8.212	117	29369	5.292	ug/l #	14
43) Isopropyl Acetate	8.677	43	23504	2.081	ug/l #	89
48) Methyl methacrylate	9.729	41	201268	39.585	ug/l #	47
51) 4-Methyl-2-Pentanone	10.424	43	11921	1.669	ug/l	99
54) cis-1,3-Dichloropropene	10.341	75	98707	15.134	ug/l #	71
56) Ethyl methacrylate	10.876	69	90	0.648	ug/l #	24
57) 1,3-Dichloropropane	11.188	76	7426	1.072	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.153	63	904	0.275	ug/l #	48
59) 2-Hexanone	11.188	43	121808	25.702	ug/l #	49
76) 1,2,3-Trichloropropane	12.829	75	151451	28.273	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	151451	77.361	ug/l #	8
82) 4-Chlorotoluene	13.200	91	2590	0.214	ug/l	92
85) sec-Butylbenzene	13.594	105	3681	0.228	ug/l	93
86) p-Isopropyltoluene	13.712	119	3213	0.249	ug/l	91
87) 1,3-Dichlorobenzene	13.706	146	1814	0.237	ug/l	73
88) 1,4-Dichlorobenzene	13.706	146	1814	0.222	ug/l	75
89) n-Butylbenzene	14.035	91	4133	0.335	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	1912	0.449	ug/l	61

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Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

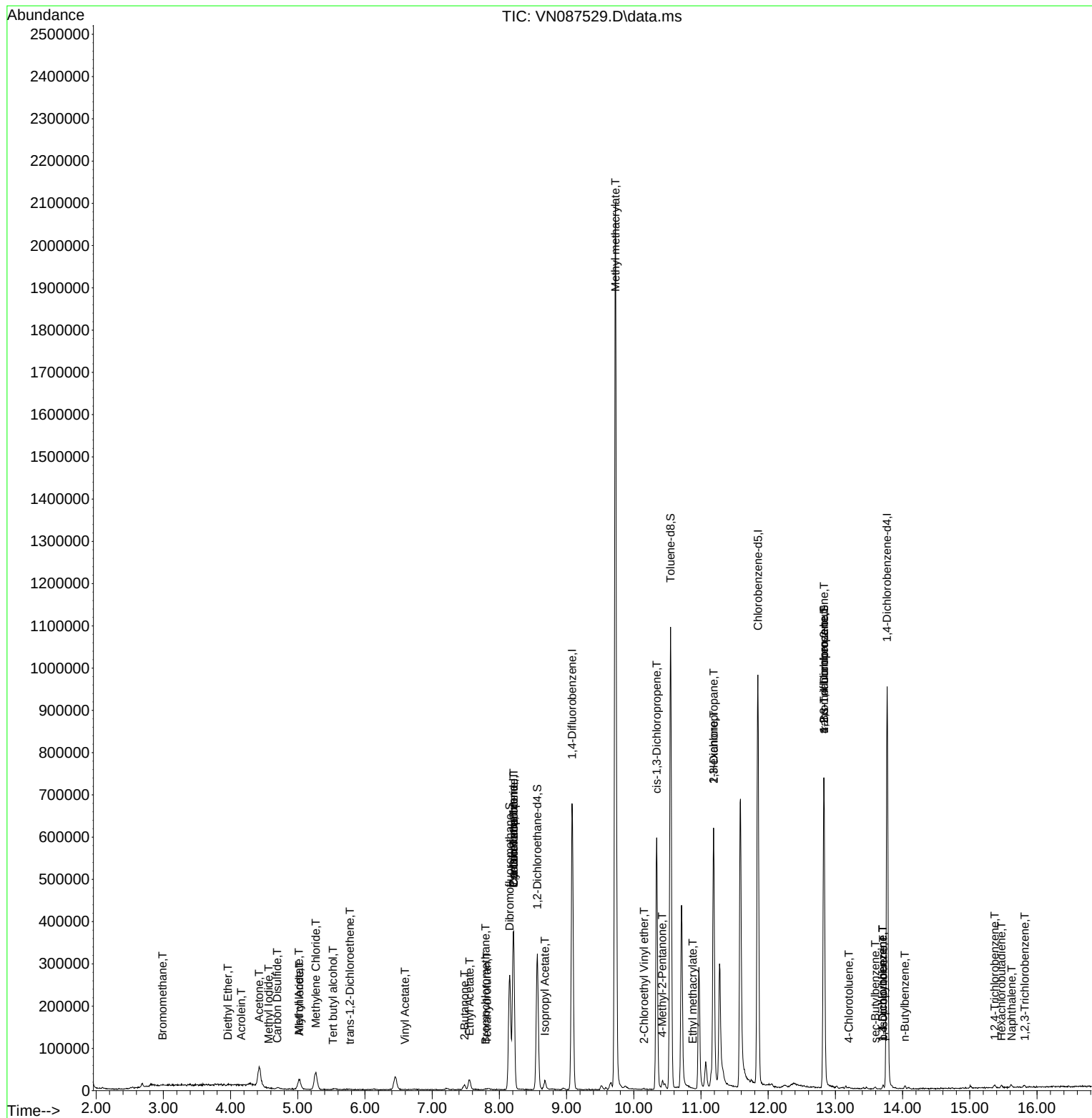
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.470	225	1054	0.666	ug/l	86
95) Naphthalene	15.623	128	5361	0.355	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.817	180	1907	0.446	ug/l	90

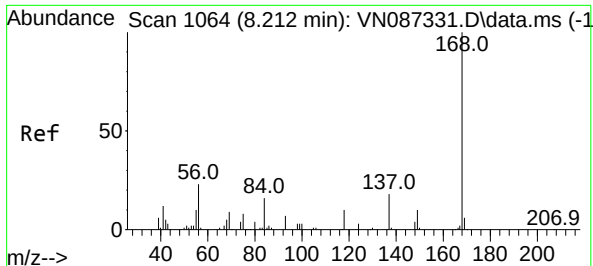
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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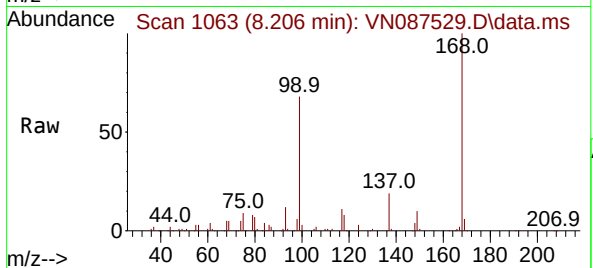
Quant Time: Aug 14 03:58:20 2025
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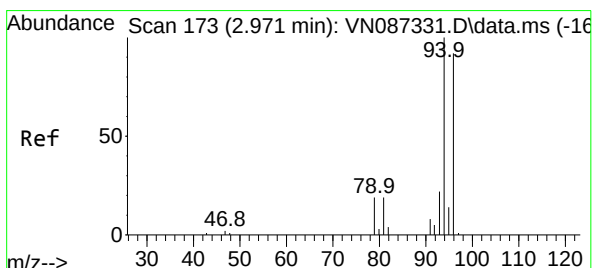
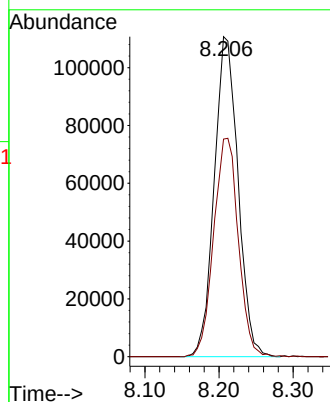
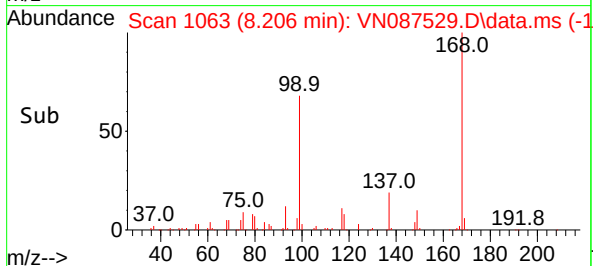


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

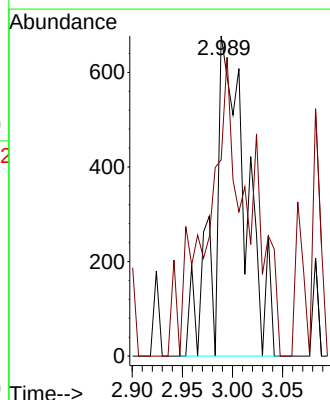
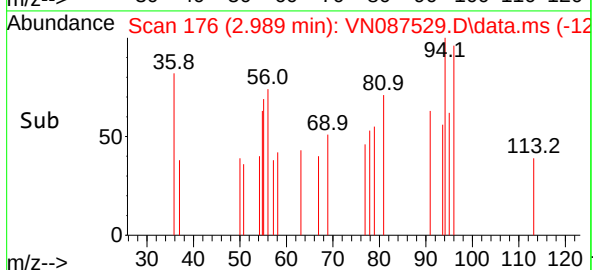
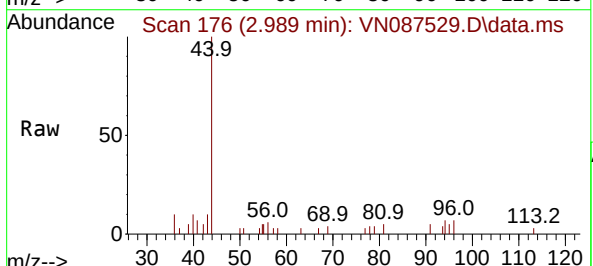


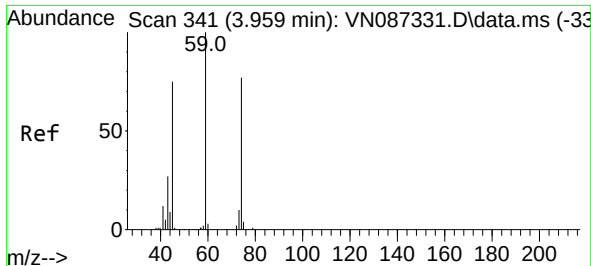
Tgt Ion:168 Resp: 246878
Ion Ratio Lower Upper
168 100
99 68.0 47.9 71.9



#5
Bromomethane
Concen: 0.883 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

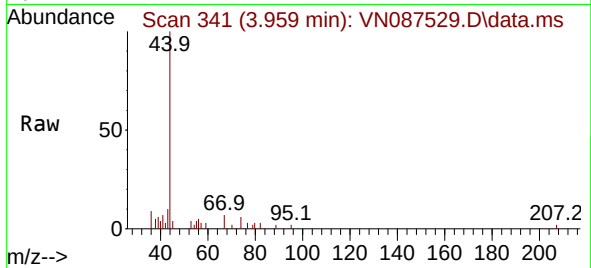
Tgt Ion: 94 Resp: 1498
Ion Ratio Lower Upper
94 100
96 61.3 73.4 110.2#



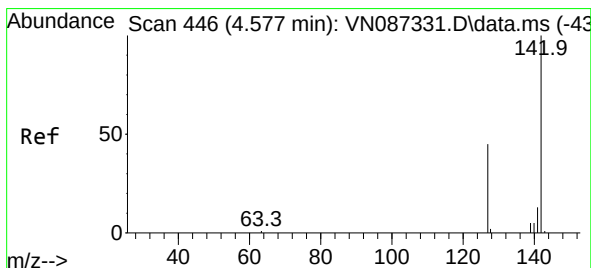
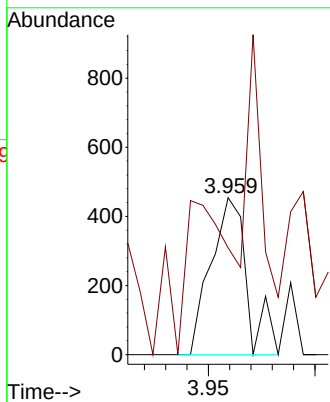
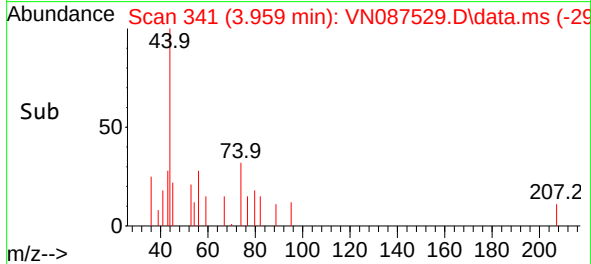


#8
Diethyl Ether
Concen: 0.286 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

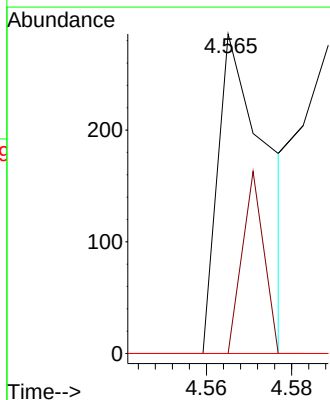
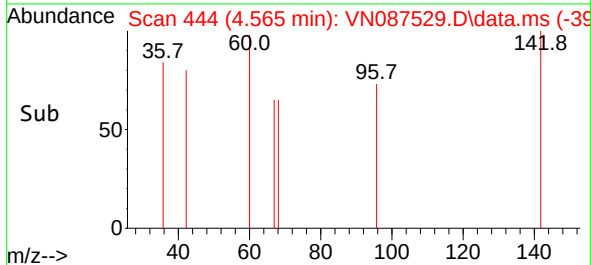
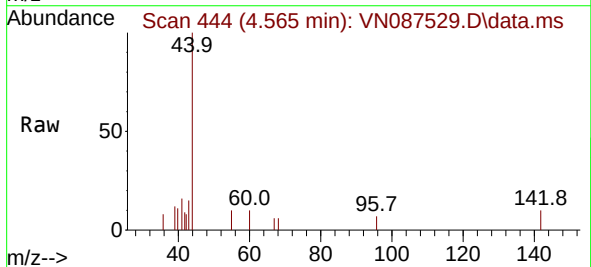


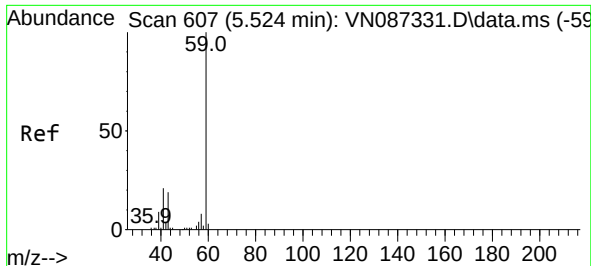
Tgt Ion: 74 Resp: 538
Ion Ratio Lower Upper
74 100
45 61.9 50.8 152.5



#10
Methyl Iodide
Concen: 5.712 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

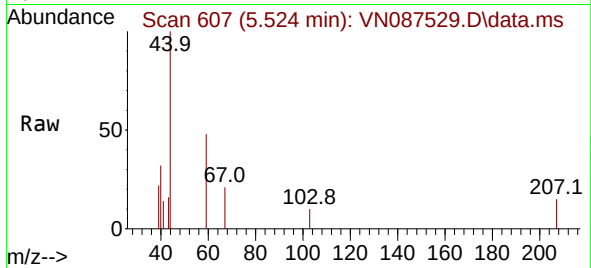
Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



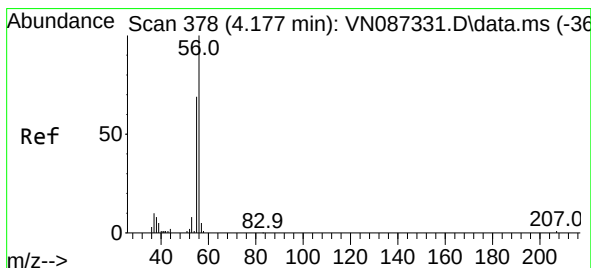
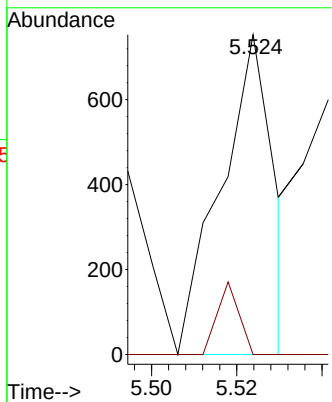
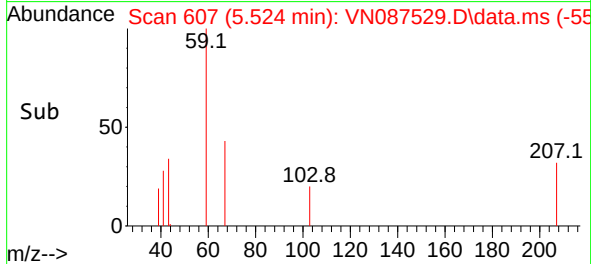


#11
Tert butyl alcohol
Concen: 0.822 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

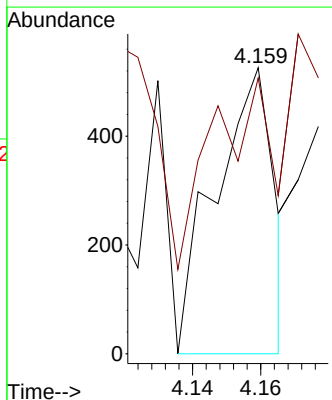
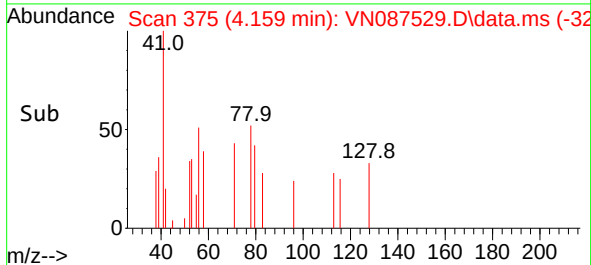
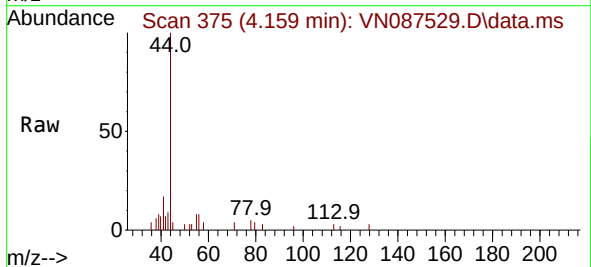


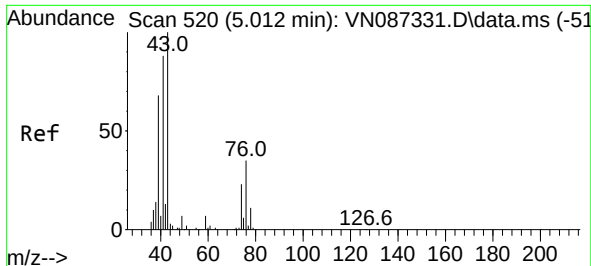
Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 9.2 8.3 12.5



#13
Acrolein
Concen: 0.985 ug/l
RT: 4.159 min Scan# 375
Delta R.T. -0.018 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

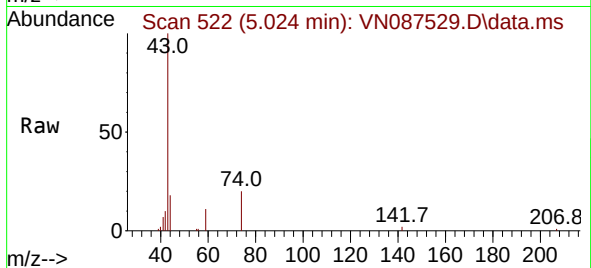
Tgt Ion: 56 Resp: 629
Ion Ratio Lower Upper
56 100
55 48.2 56.2 84.4#



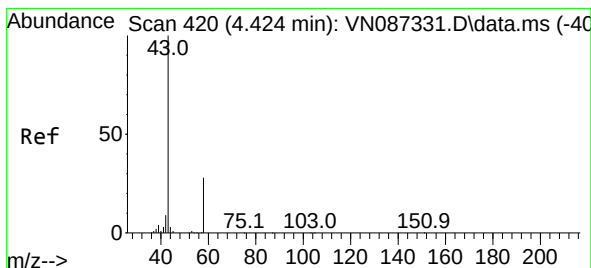
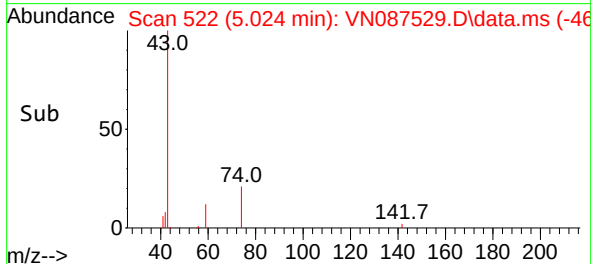
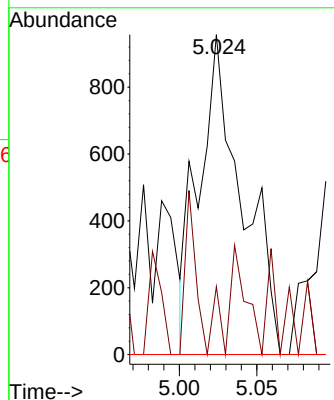


#14
Allyl chloride
Concen: 0.365 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

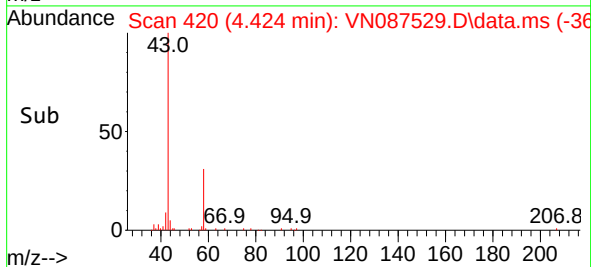
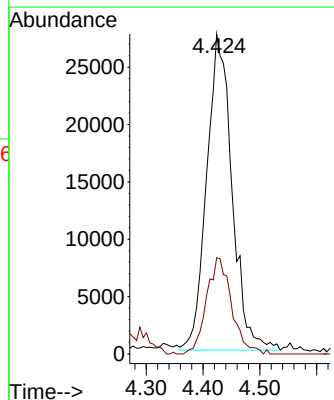
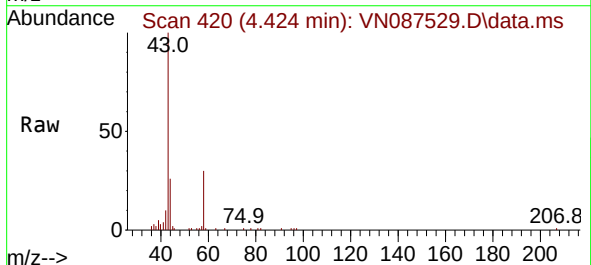


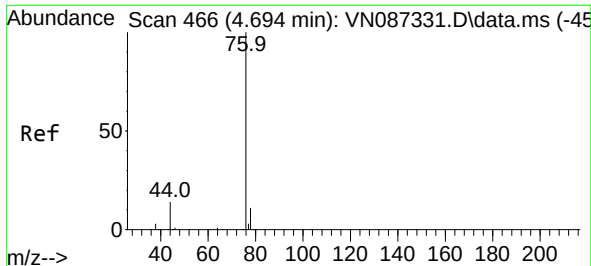
Tgt Ion	Ratio	Lower	Upper
41	100		
39	15.9	59.0	88.6#
76	0.0	28.7	43.1#



#16
Acetone
Concen: 43.486 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

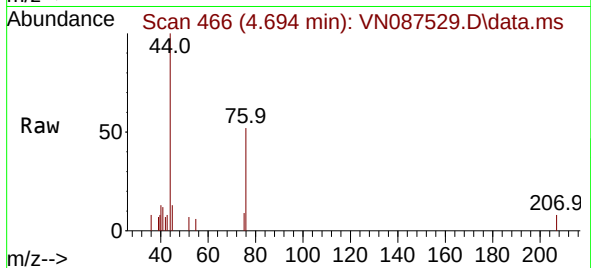
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.3	33.5



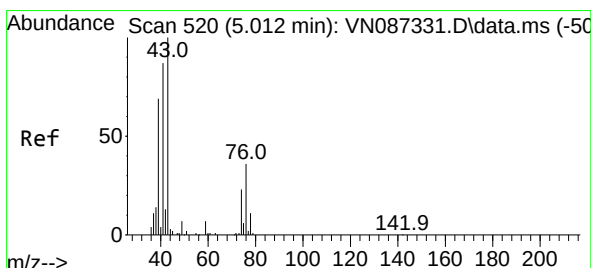
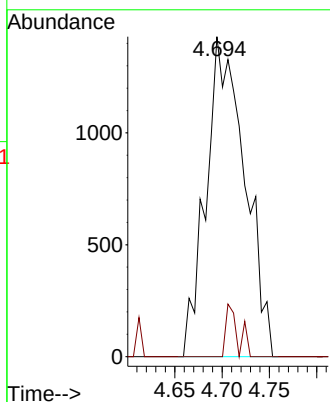
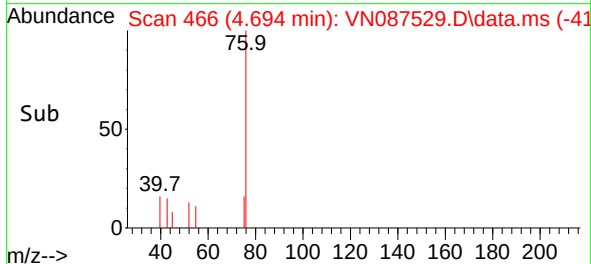


#17
Carbon Disulfide
Concen: 0.486 ug/l
RT: 4.694 min Scan# 4062
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

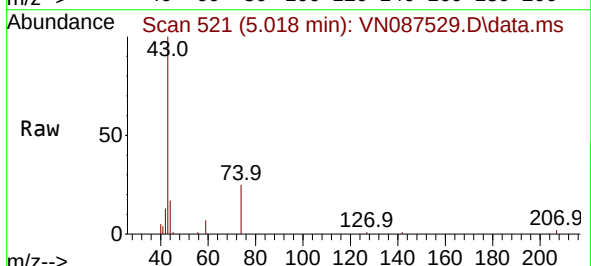
Instrument :
MSVOA_N
ClientSampleId :



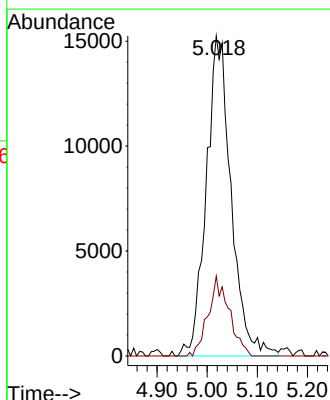
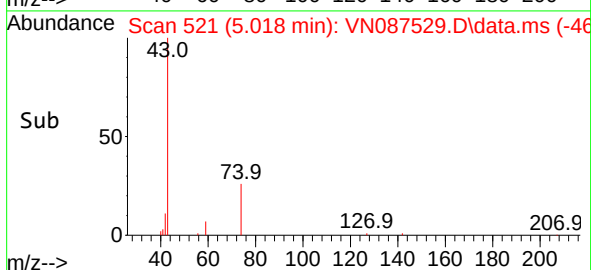
Tgt Ion: 76 Resp: 4062
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#

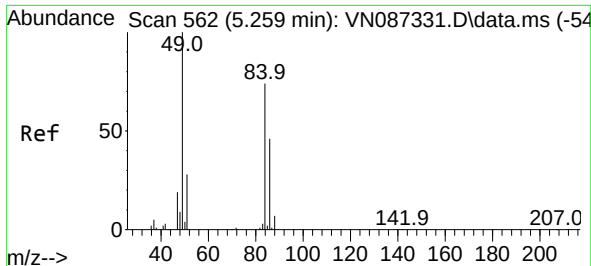


#18
Methyl Acetate
Concen: 10.639 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01



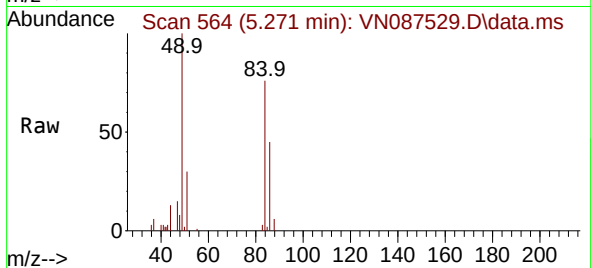
Tgt Ion: 43 Resp: 52497
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.6





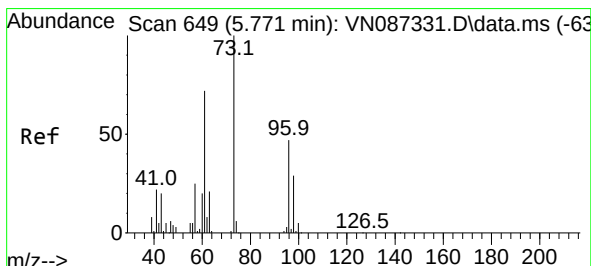
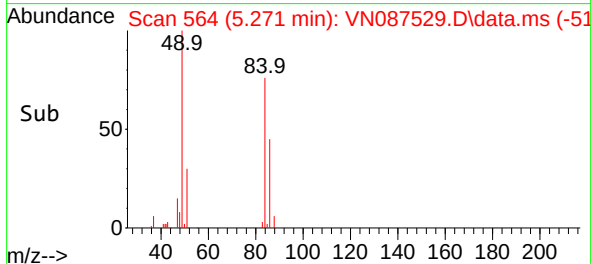
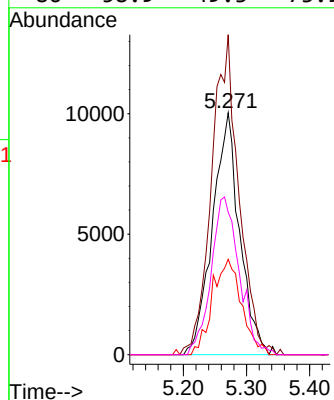
#20
Methylene Chloride
Concen: 8.508 ug/l
RT: 5.271 min Scan# 501
Delta R.T. 0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 30012

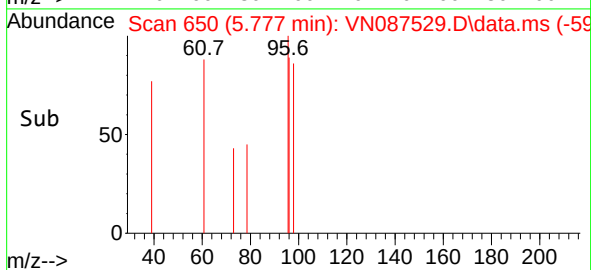
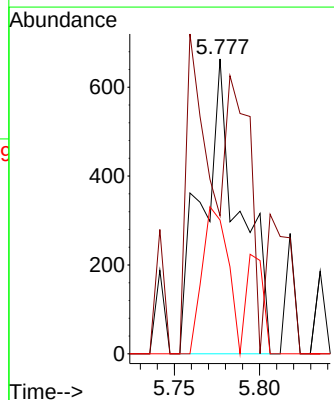
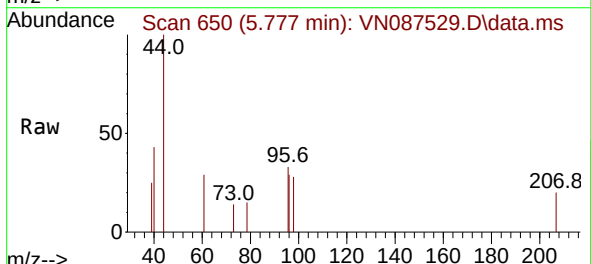
Ion	Ratio	Lower	Upper
84	100		
49	132.2	107.5	161.3
51	39.4	30.2	45.2
86	58.9	49.3	73.9

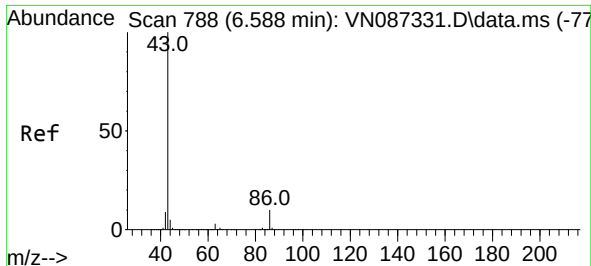


#21
trans-1,2-Dichloroethene
Concen: 0.319 ug/l
RT: 5.777 min Scan# 650
Delta R.T. 0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 96 Resp: 1014

Ion	Ratio	Lower	Upper
96	100		
61	46.8	122.0	183.0#
98	45.3	50.0	75.0#

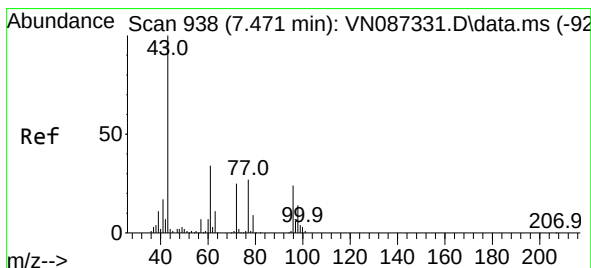
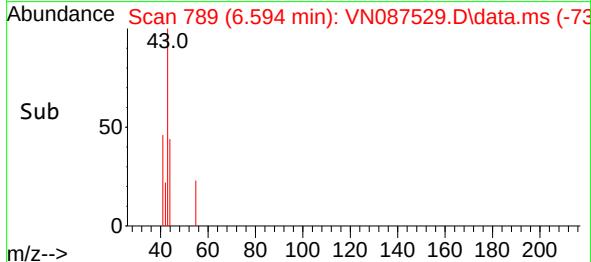
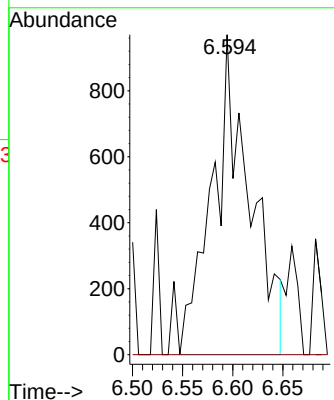
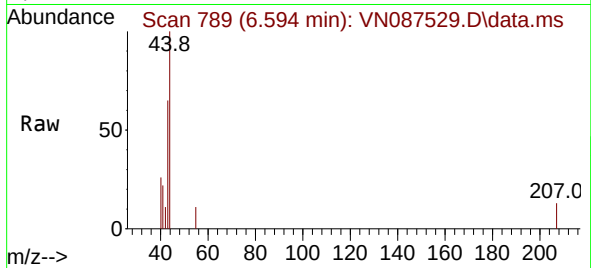




#23
 Vinyl Acetate
 Concen: 0.270 ug/l
 RT: 6.594 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN087529.D
 Acq: 13 Aug 2025 13:01

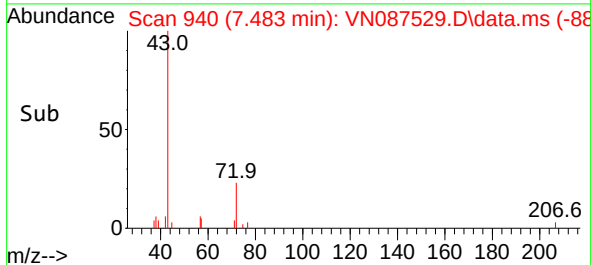
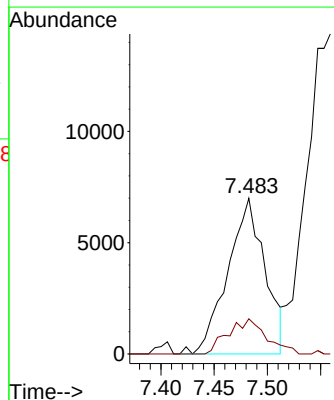
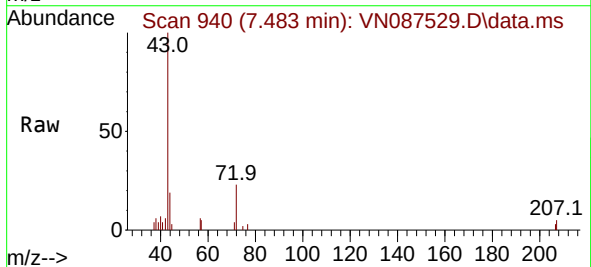
Instrument :
 MSVOA_N
 ClientSampleId :

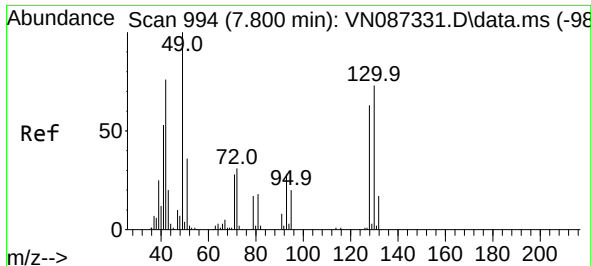
Tgt Ion: 43 Resp: 2526
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.7 11.5#



#25
 2-Butanone
 Concen: 5.627 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.012 min
 Lab File: VN087529.D
 Acq: 13 Aug 2025 13:01

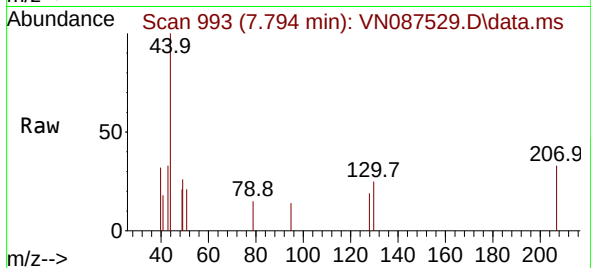
Tgt Ion: 43 Resp: 17075
 Ion Ratio Lower Upper
 43 100
 72 22.6 19.6 29.4



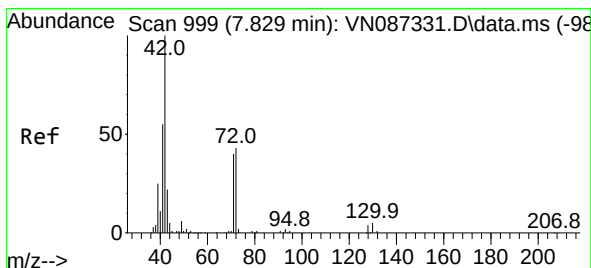
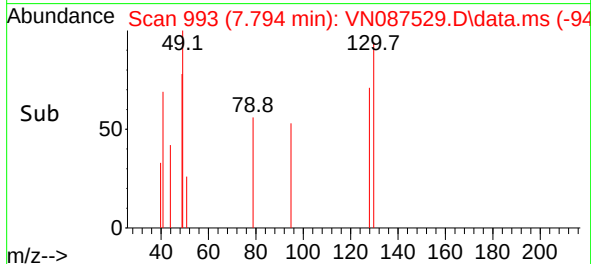
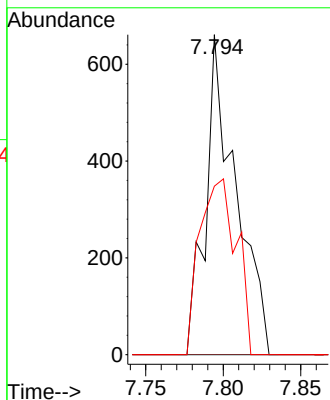


#28
Bromochloromethane
Concen: 0.302 ug/l
RT: 7.794 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

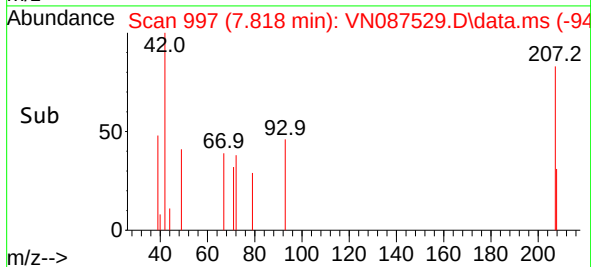
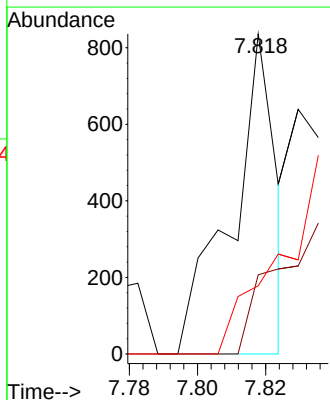
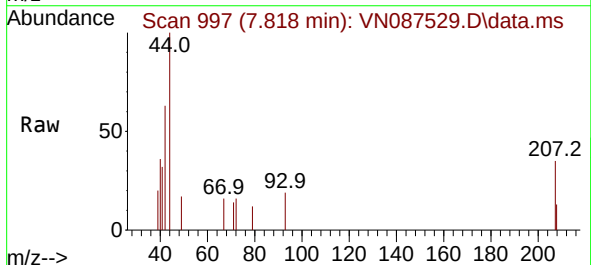


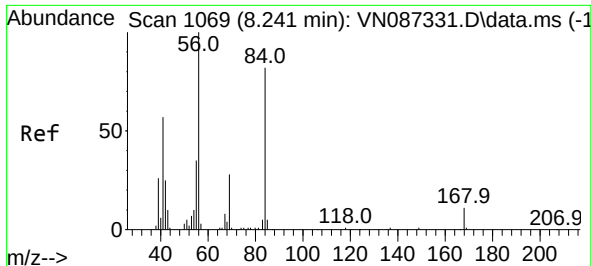
Tgt Ion: 49 Resp: 892
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 67.2 57.3 85.9



#29
Tetrahydrofuran
Concen: 0.385 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

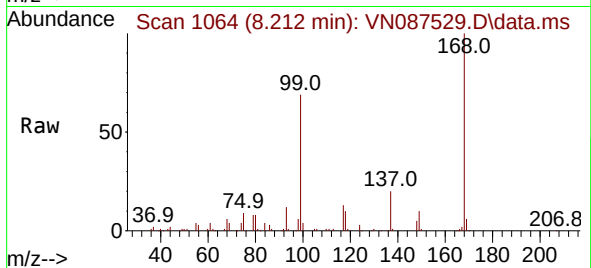
Tgt Ion: 42 Resp: 759
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.2 46.8#



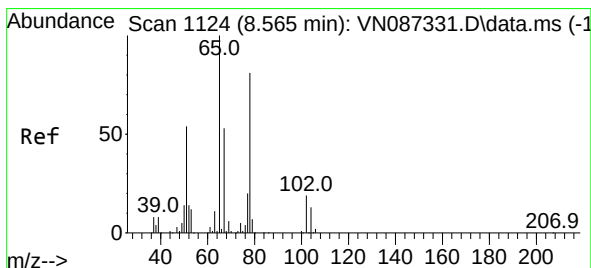
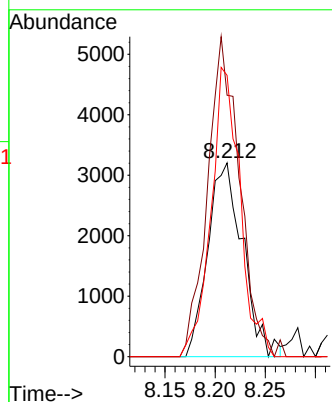
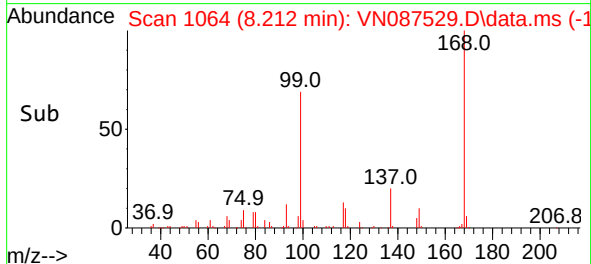


#31
Cyclohexane
Concen: 1.511 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

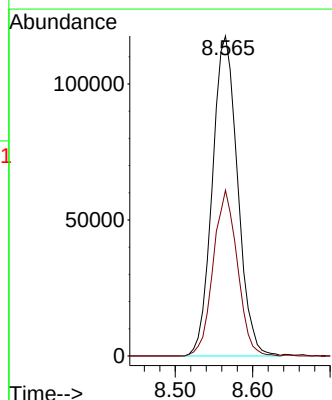
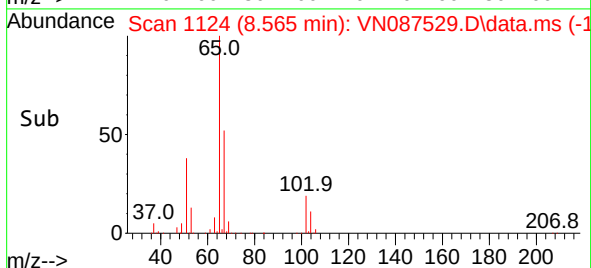
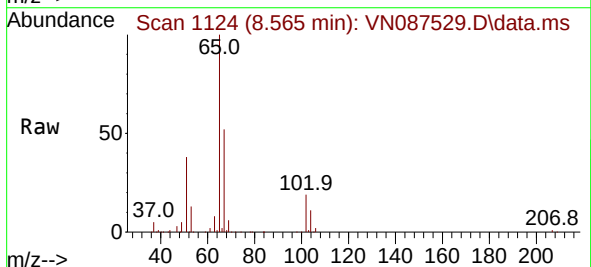


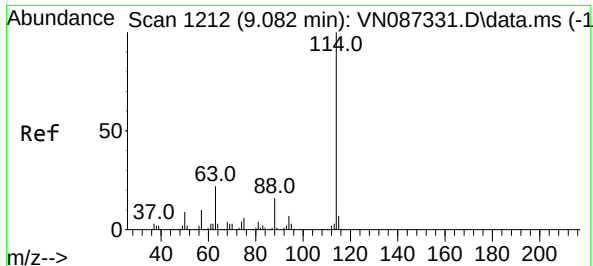
Tgt Ion: 56 Resp: 7784
Ion Ratio Lower Upper
56 100
69 134.9 22.7 34.1#
84 145.2 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 63.667 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 65 Resp: 266701
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.0

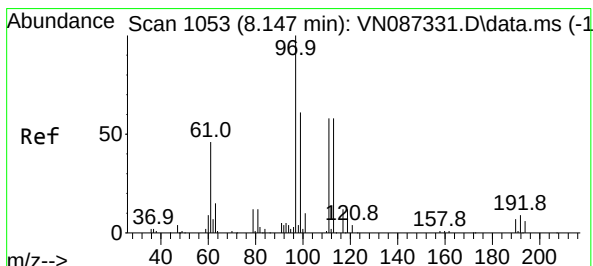
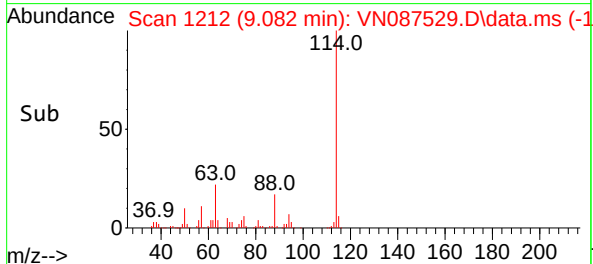
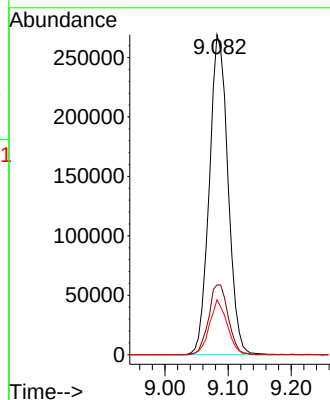
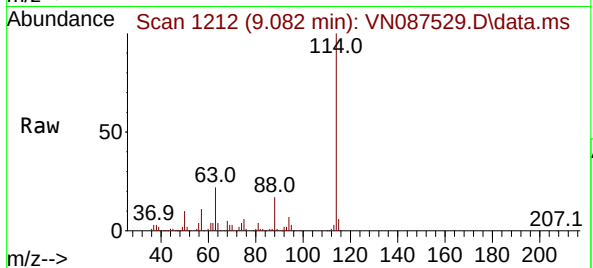




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

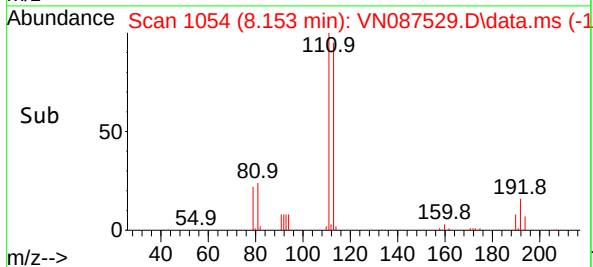
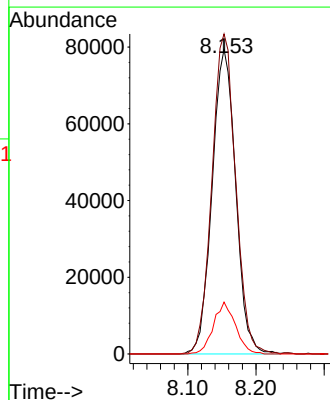
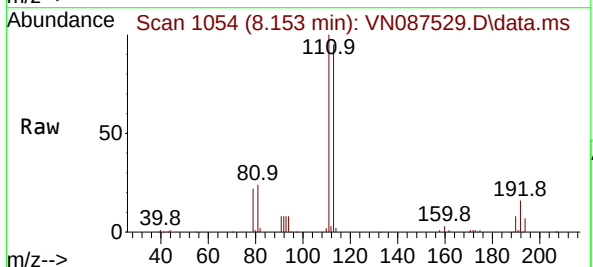
Instrument :
MSVOA_N
ClientSampleId :

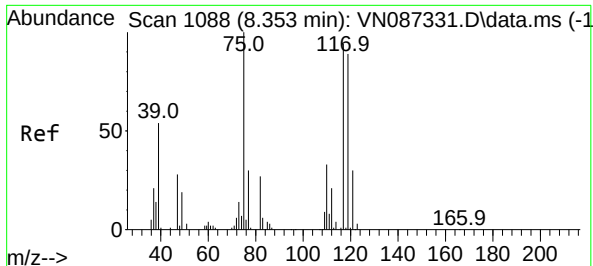
Tgt Ion:114 Resp: 552759
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.6
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.098 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion:113 Resp: 191019
Ion Ratio Lower Upper
113 100
111 105.8 82.5 123.7
192 15.9 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087529.D

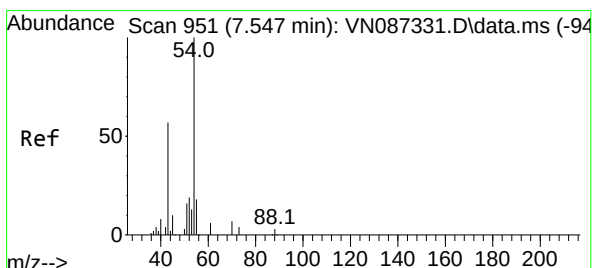
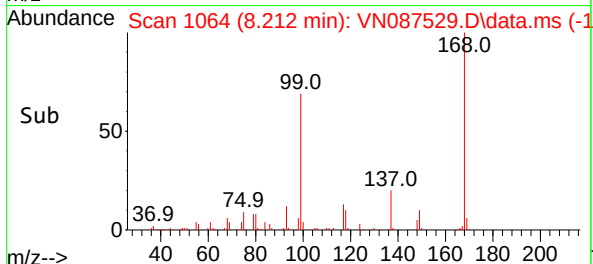
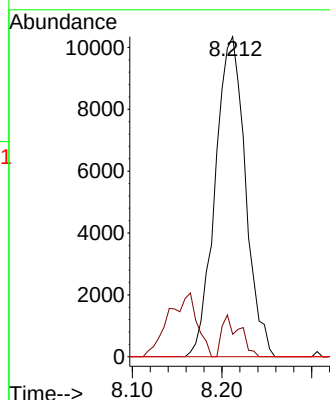
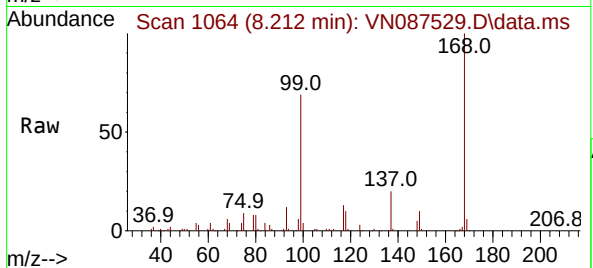
Acq: 13 Aug 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	24203
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 5.092 ug/l

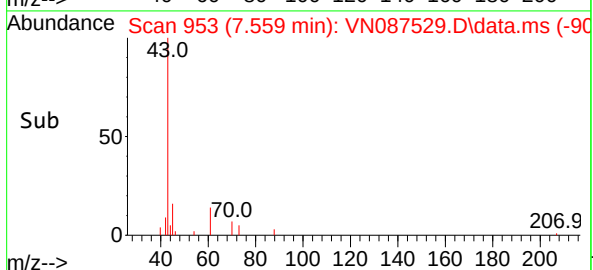
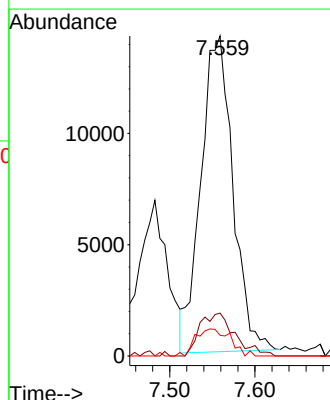
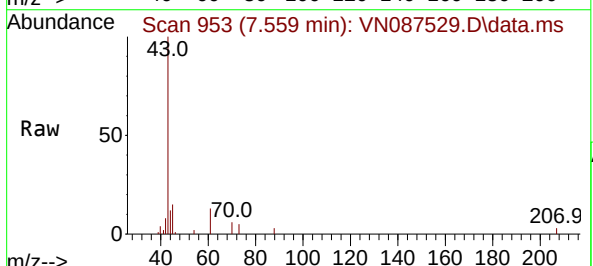
RT: 7.559 min Scan# 953

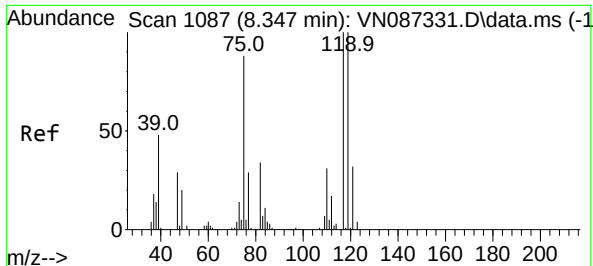
Delta R.T. 0.012 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

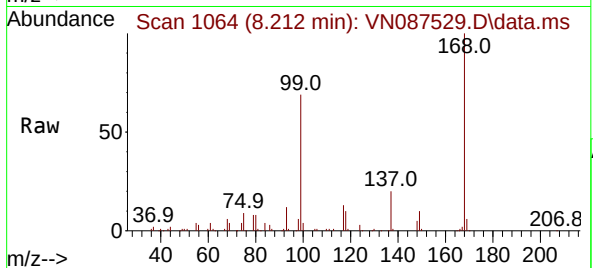
Tgt Ion:	43	Resp:	37043
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	9.3	7.4	11.0



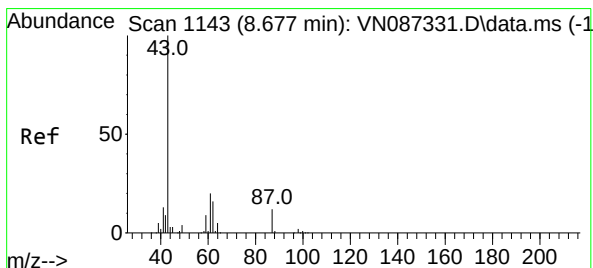
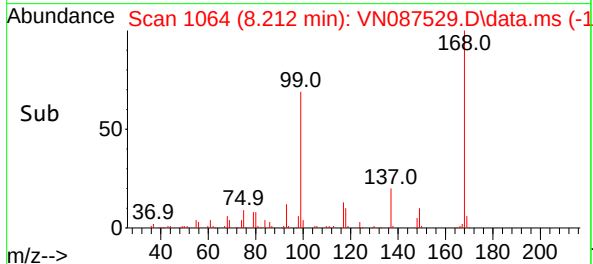
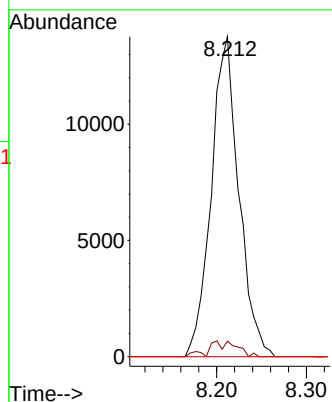


#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

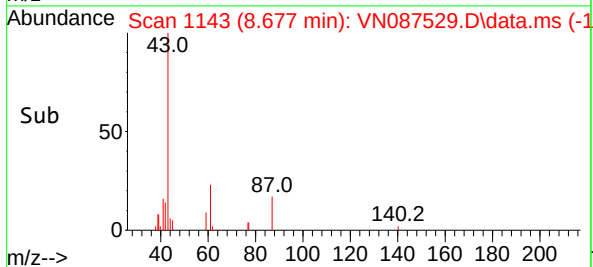
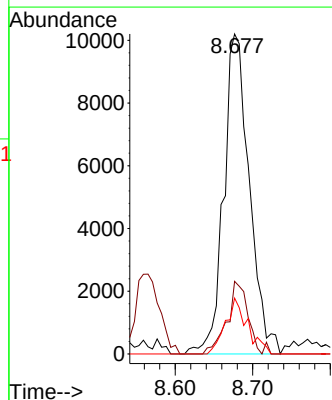
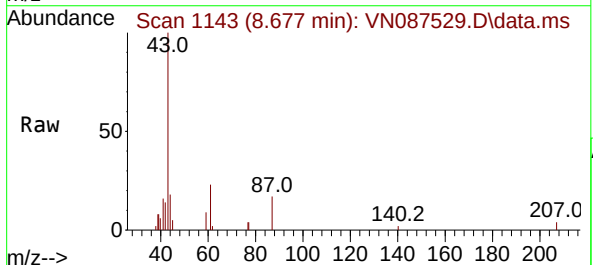


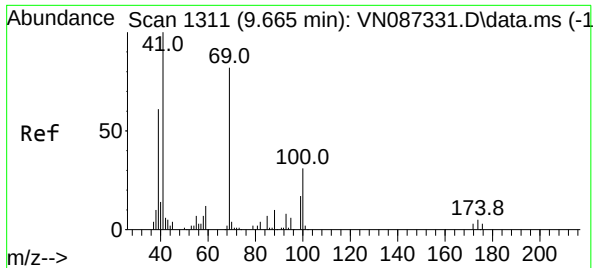
Tgt Ion: 117 Resp: 29369
Ion Ratio Lower Upper
117 100
119 4.9 80.2 120.2#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 2.081 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 43 Resp: 23504
Ion Ratio Lower Upper
43 100
61 18.2 19.8 29.8#
87 15.1 9.8 14.6#

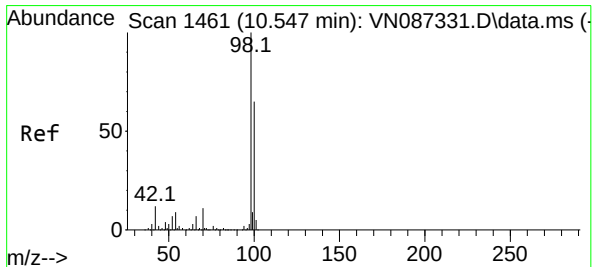
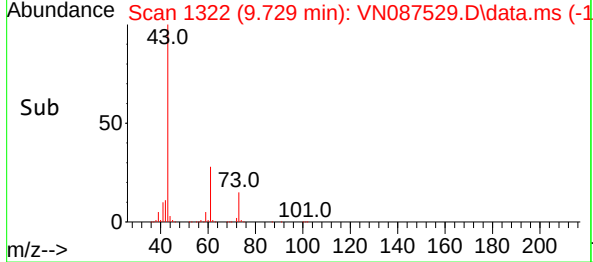
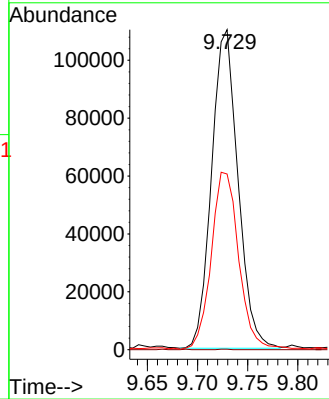
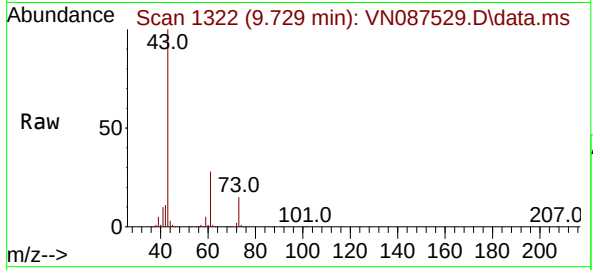




#48
Methyl methacrylate
Concen: 39.585 ug/l
RT: 9.729 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

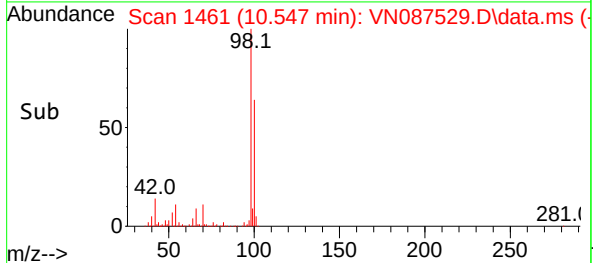
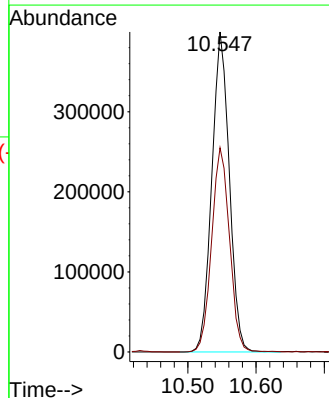
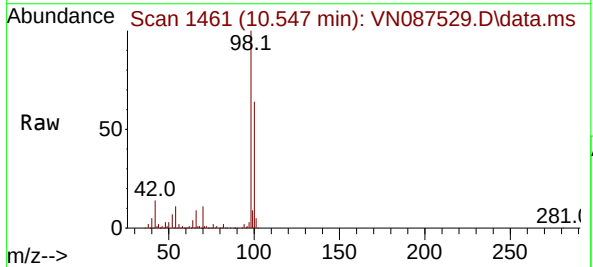
Instrument :
MSVOA_N
ClientSampleId :

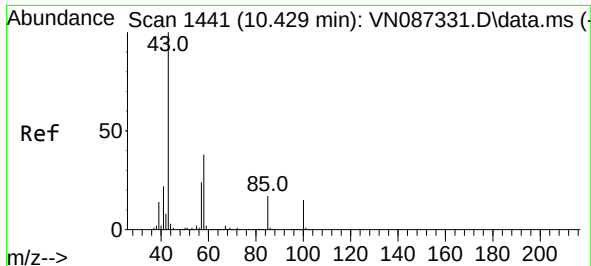
Tgt Ion: 41 Resp: 201268
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 57.7 45.5 68.3



#50
Toluene-d8
Concen: 52.412 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 98 Resp: 712867
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

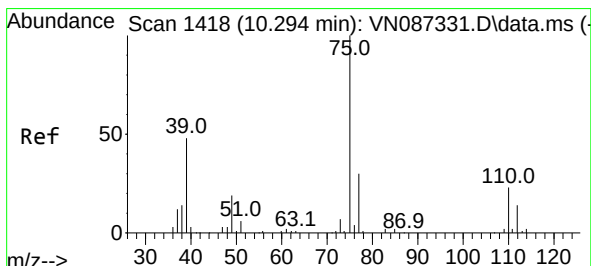
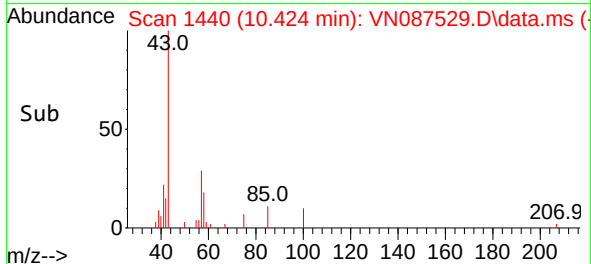
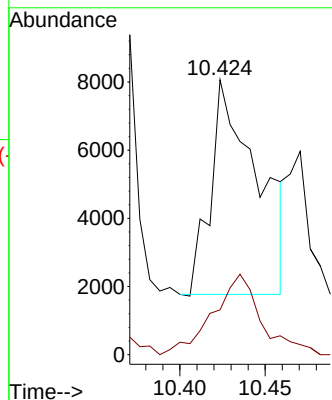
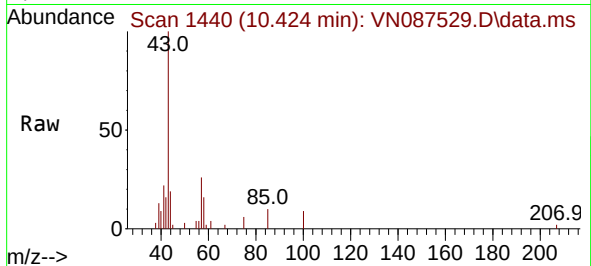




#51
4-Methyl-2-Pentanone
Concen: 1.669 ug/l
RT: 10.424 min Scan# 1441
Delta R.T. -0.005 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

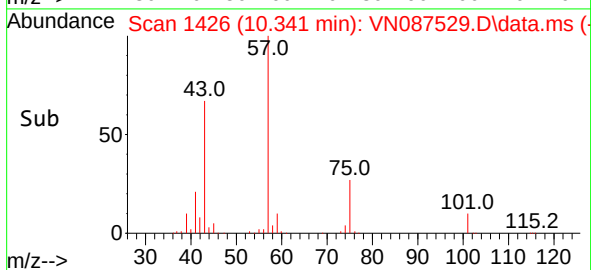
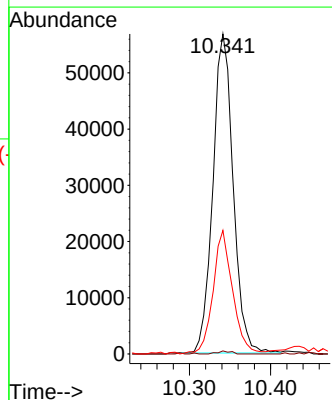
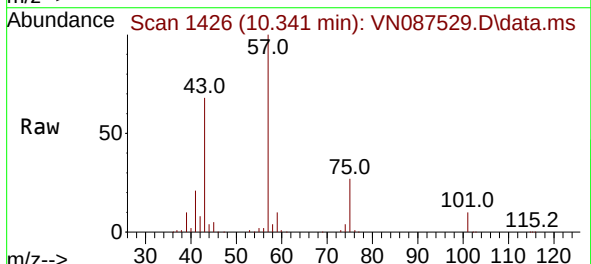
Instrument :
MSVOA_N
ClientSampleId :

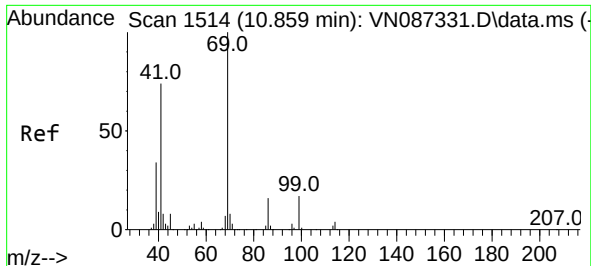
Tgt Ion: 43 Resp: 11921
Ion Ratio Lower Upper
43 100
58 39.1 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 15.134 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

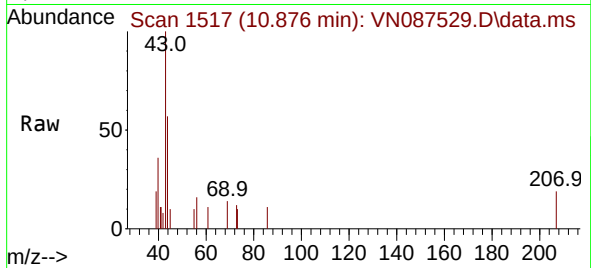
Tgt Ion: 75 Resp: 98707
Ion Ratio Lower Upper
75 100
77 1.0 24.2 36.2#
39 38.7 38.4 57.6



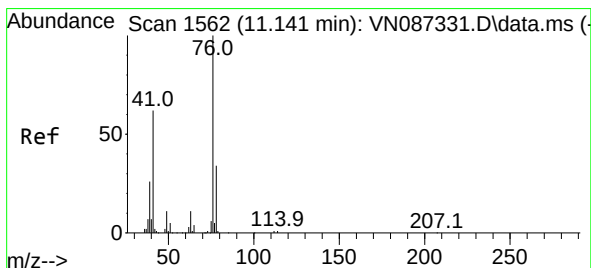
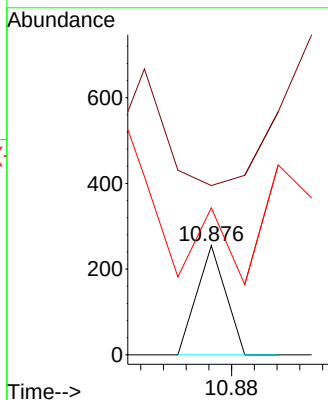
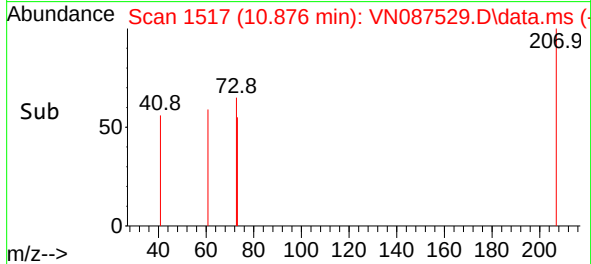


#56
Ethyl methacrylate
Concen: 0.648 ug/l
RT: 10.876 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

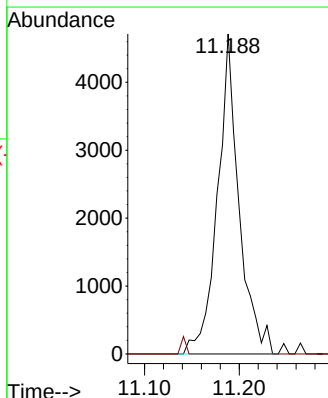
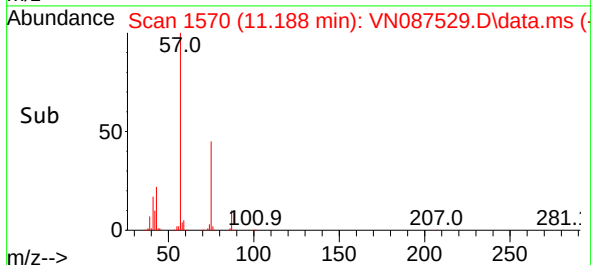
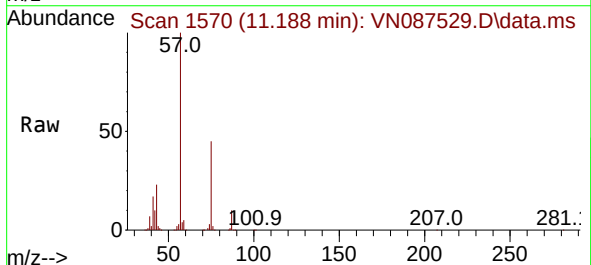


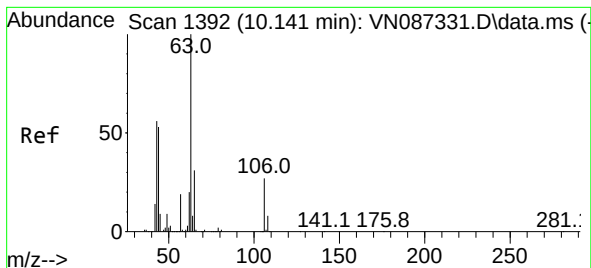
Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 0.0 55.1 82.7#
39 0.0 27.9 41.9#



#57
1,3-Dichloropropane
Concen: 1.072 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.047 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 76 Resp: 7426
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

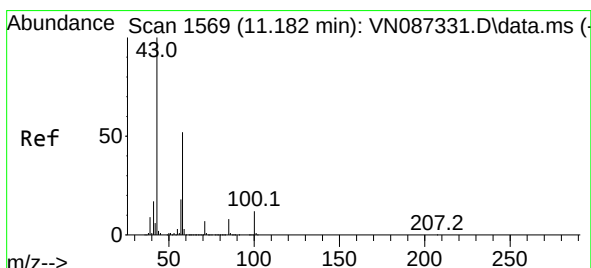
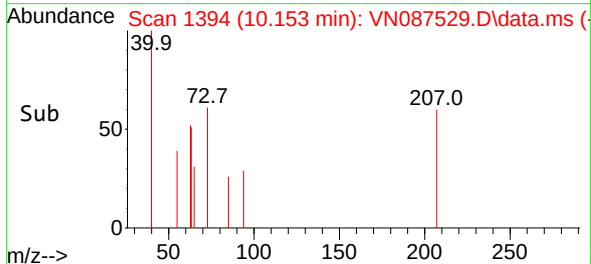
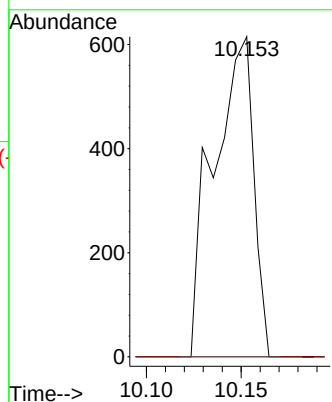
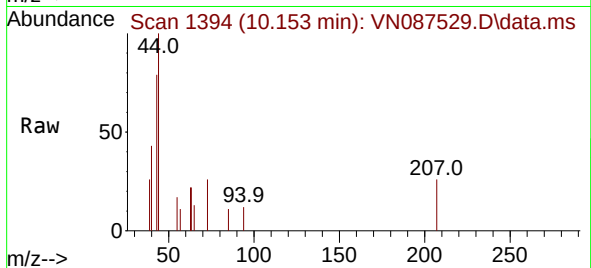




#58
2-Chloroethyl Vinyl ether
Concen: 0.275 ug/l
RT: 10.153 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

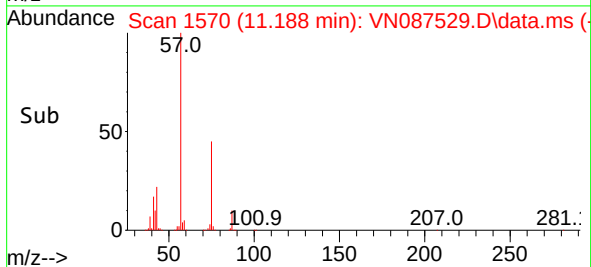
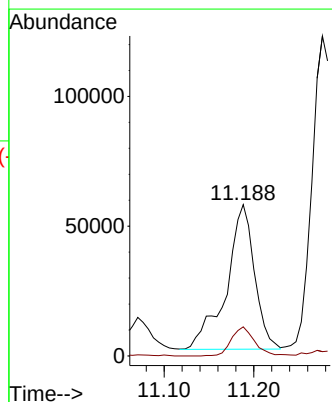
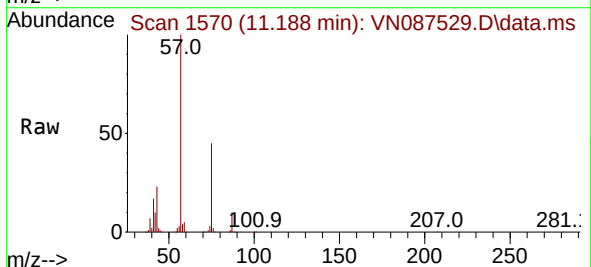
Instrument :
MSVOA_N
ClientSampleId :

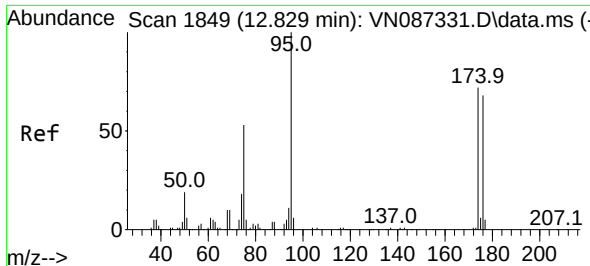
Tgt Ion: 63 Resp: 904
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#



#59
2-Hexanone
Concen: 25.702 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 43 Resp: 121808
Ion Ratio Lower Upper
43 100
58 16.7 26.7 80.0#

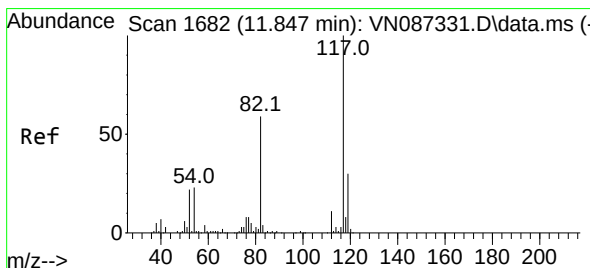
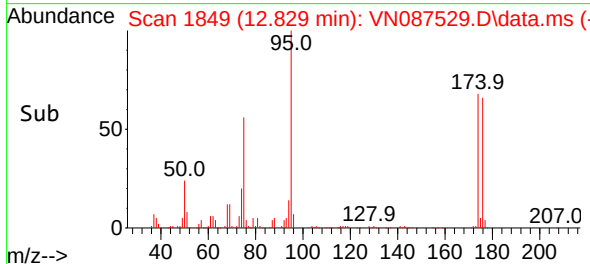
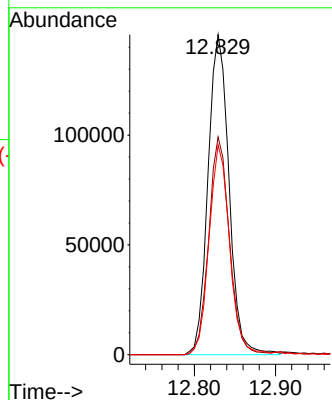
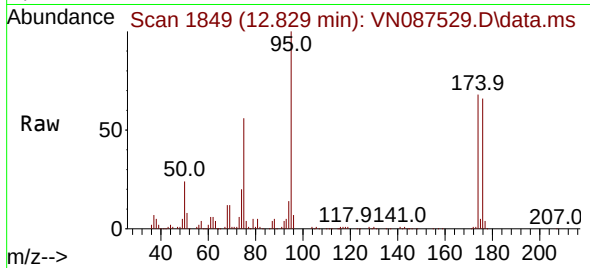




#62
4-Bromofluorobenzene
Concen: 52.061 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

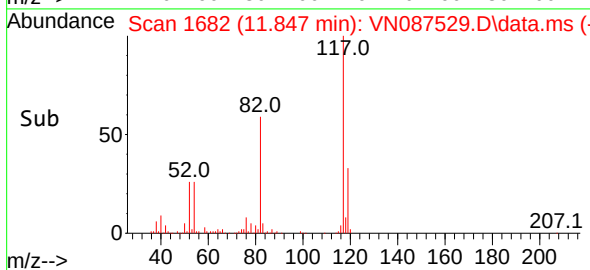
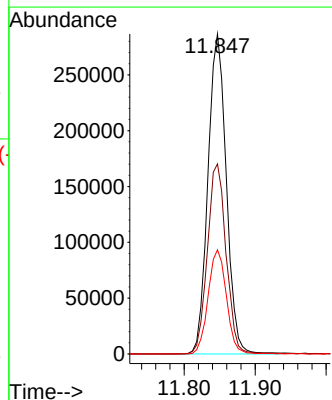
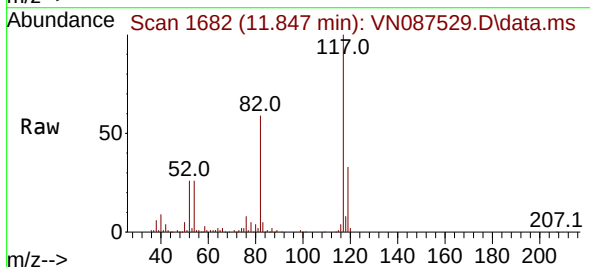
Instrument :
MSVOA_N
ClientSampleId :

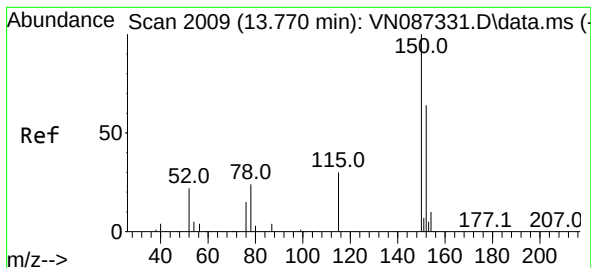
Tgt Ion: 95 Resp: 261604
Ion Ratio Lower Upper
95 100
174 66.9 0.0 149.4
176 64.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

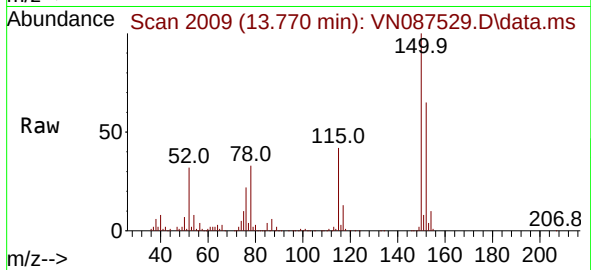
Tgt Ion: 117 Resp: 514774
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.5 23.8 35.8



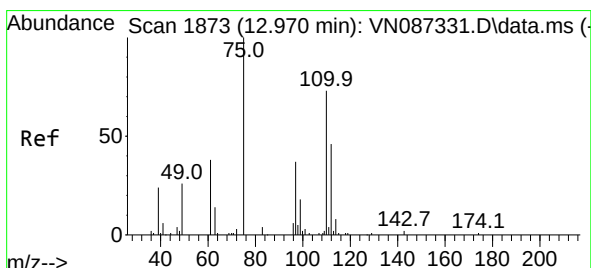
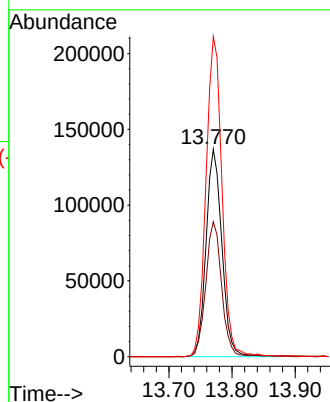
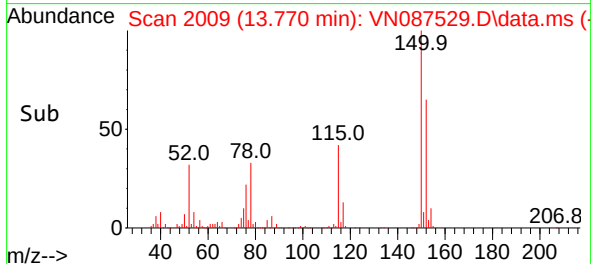


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :

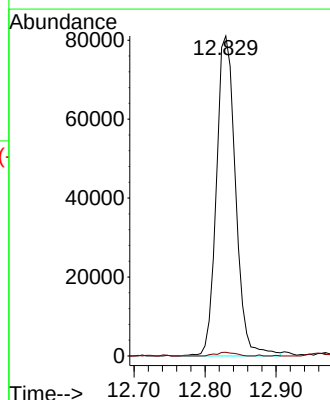
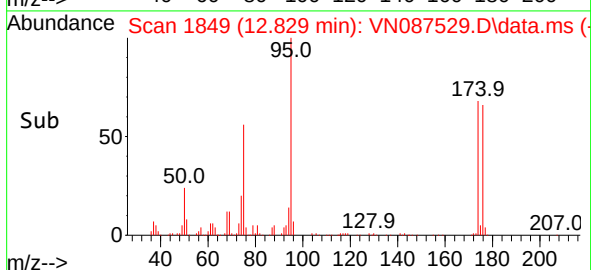
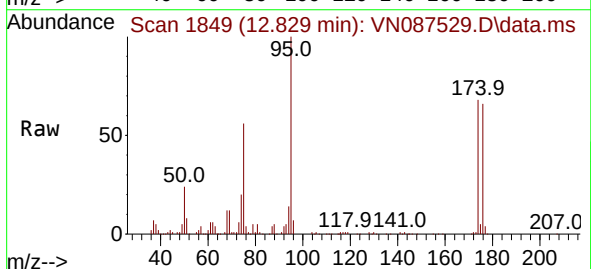


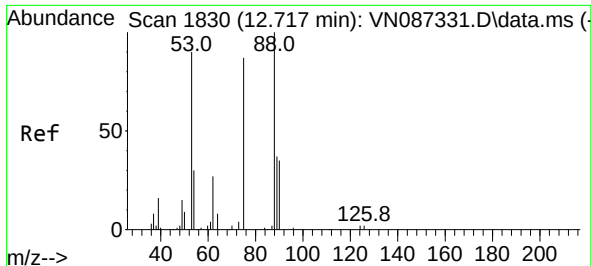
Tgt Ion:152 Resp: 238878
Ion Ratio Lower Upper
152 100
115 65.4 31.1 93.5
150 155.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.273 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 75 Resp: 151451
Ion Ratio Lower Upper
75 100
77 1.2 94.5 283.6#

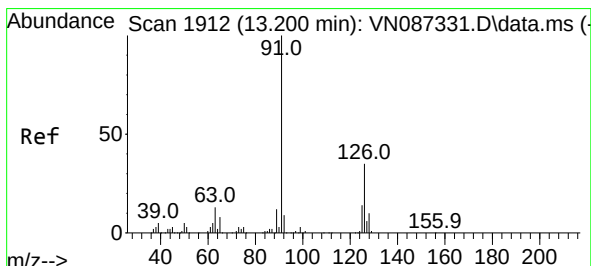
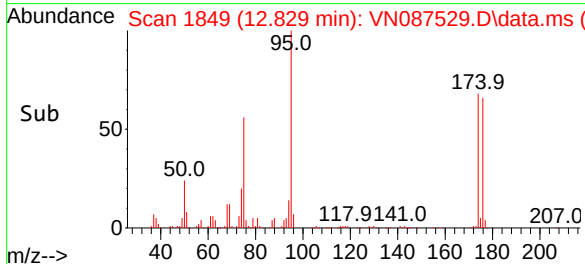
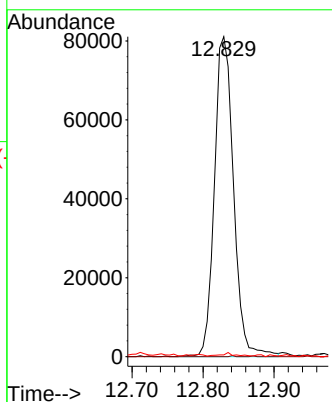
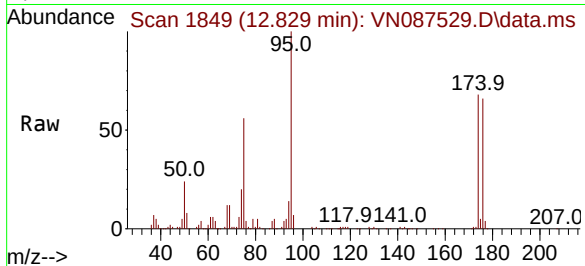




#81
trans-1,4-Dichloro-2-butene
Concen: 77.361 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

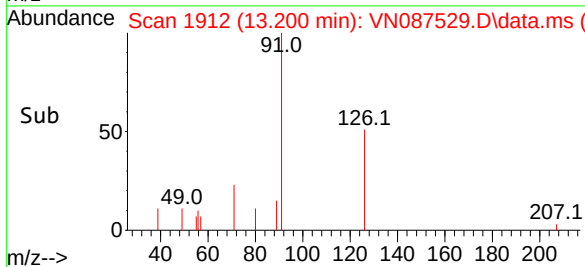
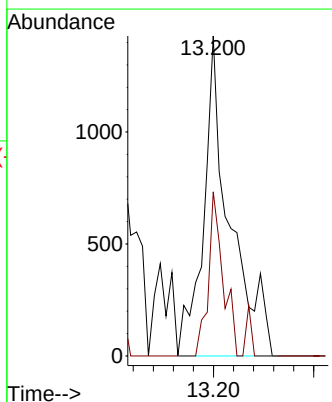
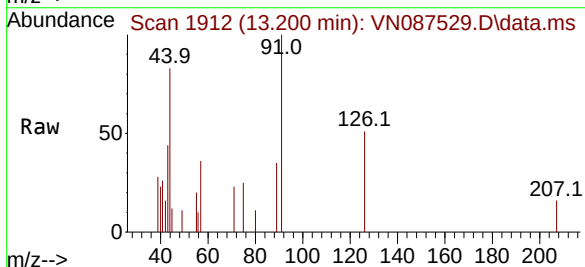
Instrument :
MSVOA_N
ClientSampleId :

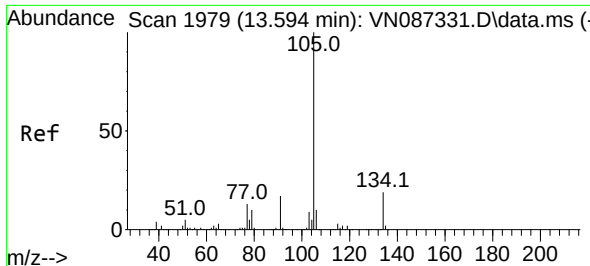
Tgt Ion: 75 Resp: 151451
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.8 38.4 57.6#



#82
4-Chlorotoluene
Concen: 0.214 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

Tgt Ion: 91 Resp: 2590
Ion Ratio Lower Upper
91 100
126 28.7 16.6 49.7

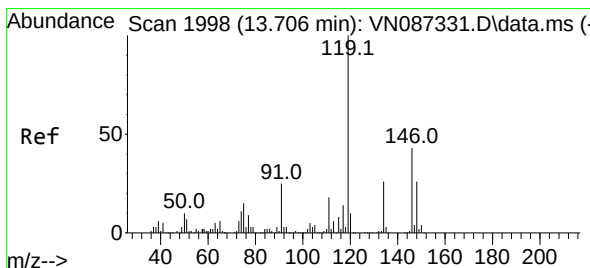
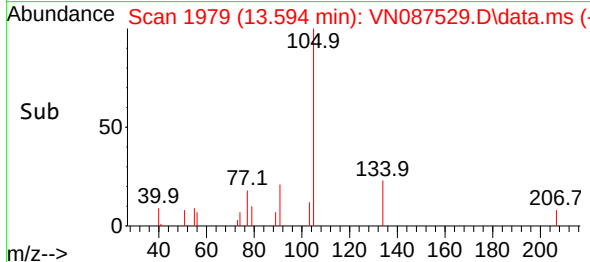
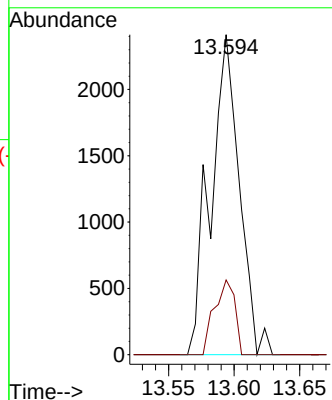
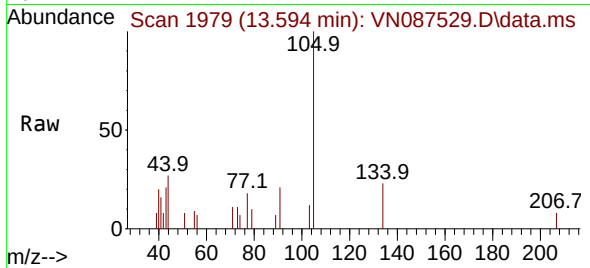




#85
 sec-Butylbenzene
 Concen: 0.228 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087529.D
 Acq: 13 Aug 2025 13:01

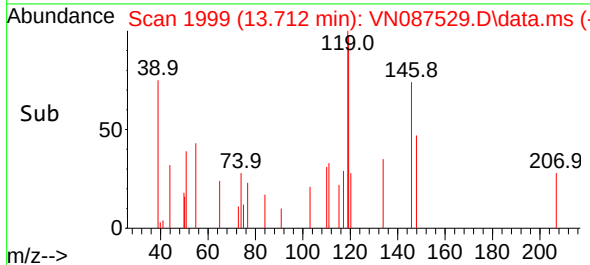
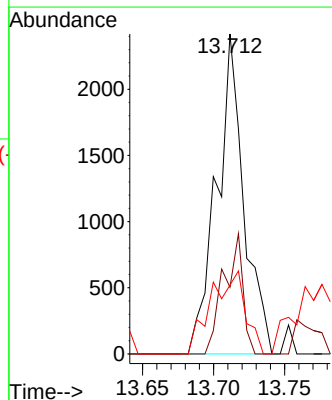
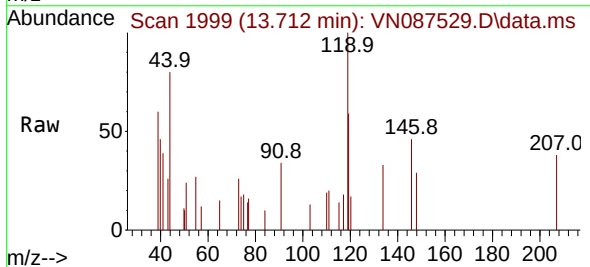
Instrument :
 MSVOA_N
 ClientSampleId :

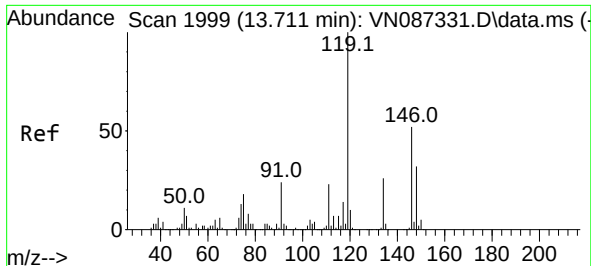
Tgt Ion:105 Resp: 3681
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.249 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN087529.D
 Acq: 13 Aug 2025 13:01

Tgt Ion:119 Resp: 3213
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.5
 91 33.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 0.237 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.006 min

Lab File: VN087529.D

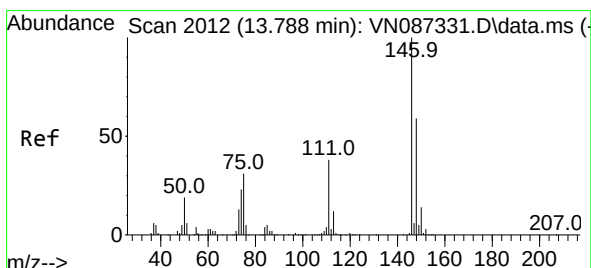
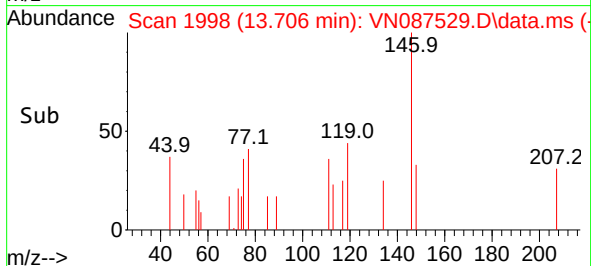
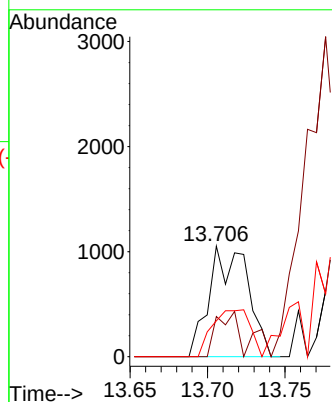
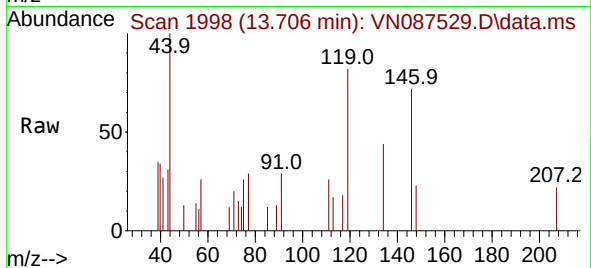
Acq: 13 Aug 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1814
Ion Ratio	Lower	Upper
146	100	
111	26.1	21.4 64.3
148	41.6	31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

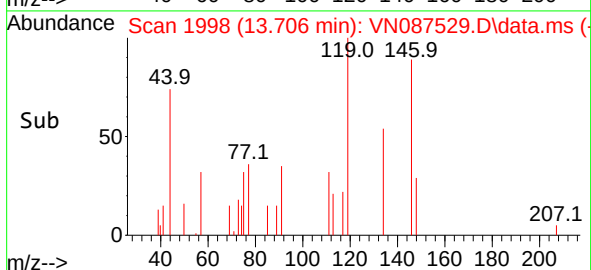
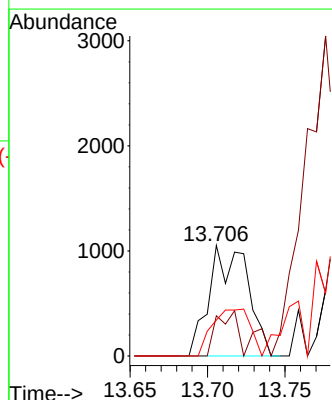
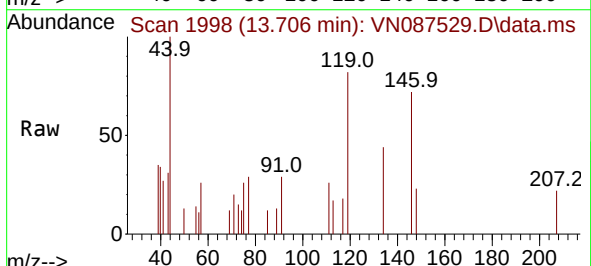
RT: 13.706 min Scan# 1998

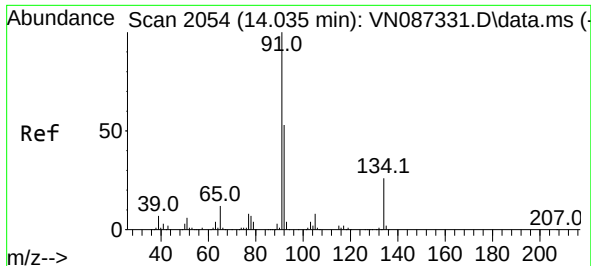
Delta R.T. -0.082 min

Lab File: VN087529.D

Acq: 13 Aug 2025 13:01

Tgt Ion:146	Resp:	1814
Ion Ratio	Lower	Upper
146	100	
111	26.1	19.6 58.7
148	41.6	31.4 94.0

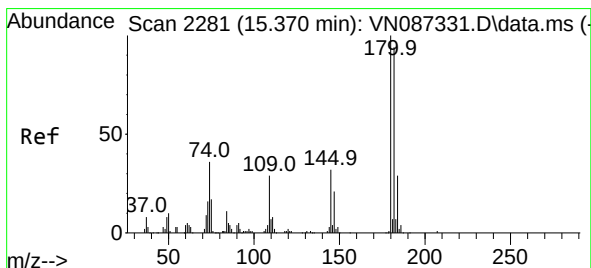
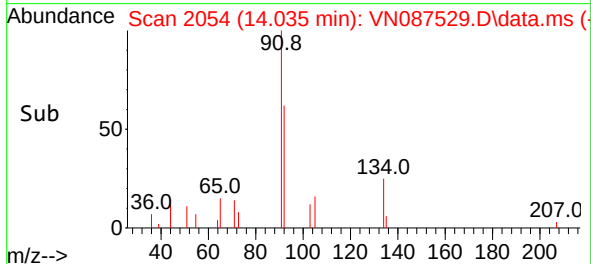
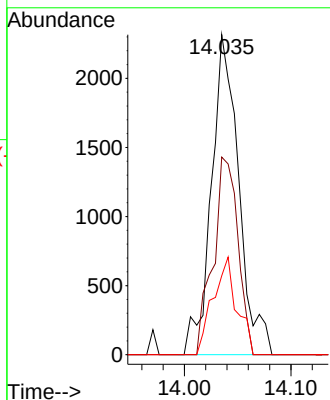
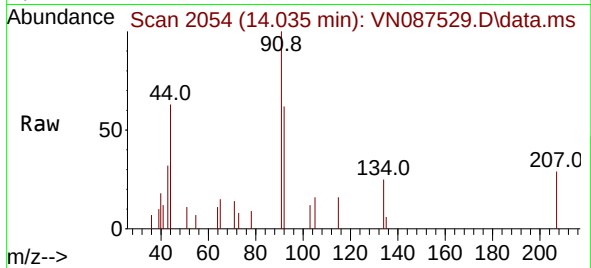




#89
n-Butylbenzene
Concen: 0.335 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

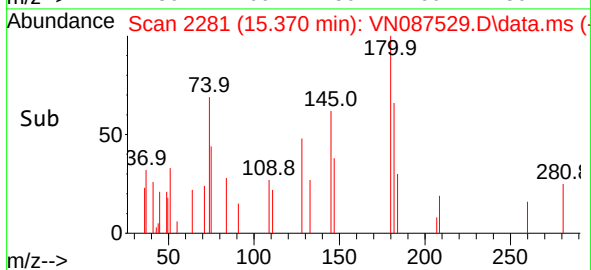
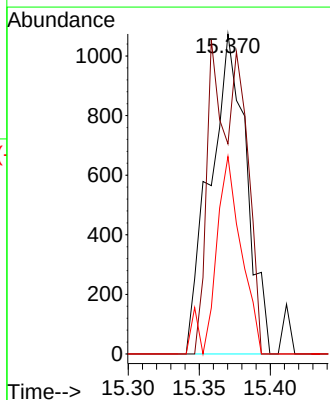
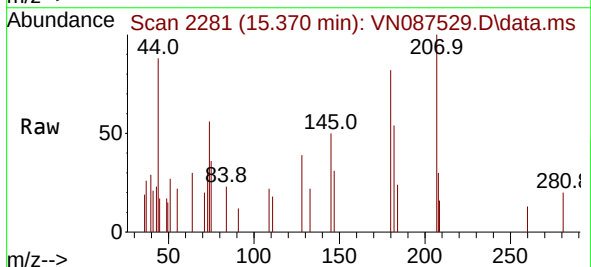
Instrument :
MSVOA_N
ClientSampleId :

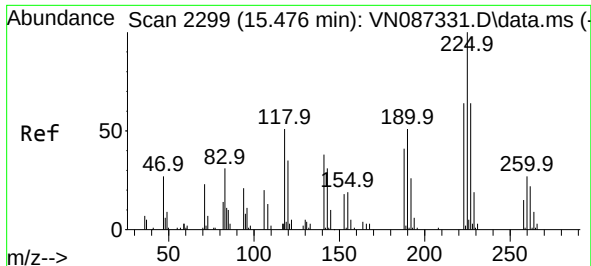
Tgt Ion: 91 Resp: 4133
Ion Ratio Lower Upper
91 100
92 55.8 26.2 78.6
134 26.6 12.4 37.2



#93
1,2,4-Trichlorobenzene
Concen: 0.449 ug/l
RT: 15.370 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

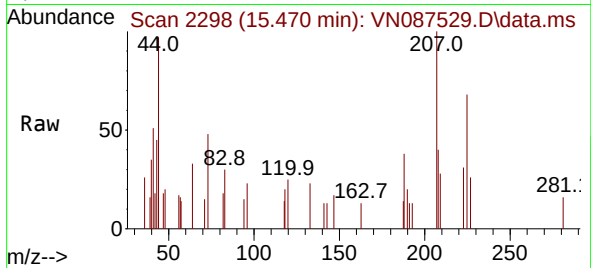
Tgt Ion: 180 Resp: 1912
Ion Ratio Lower Upper
180 100
182 51.7 47.3 141.8
145 43.6 15.4 46.4



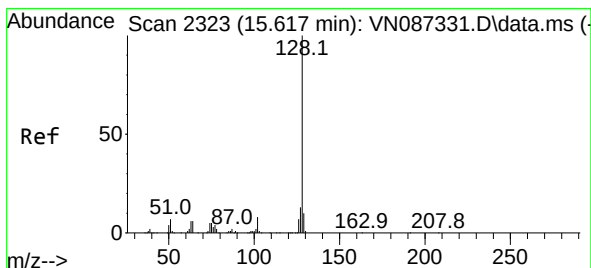
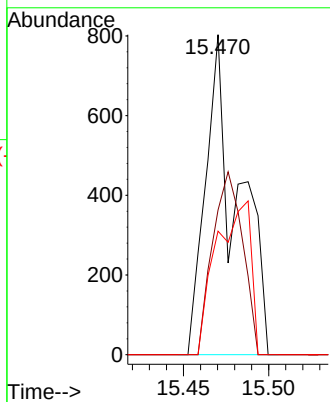
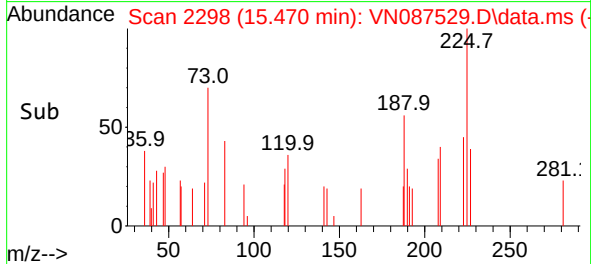


#94
Hexachlorobutadiene
Concen: 0.666 ug/l
RT: 15.470 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01

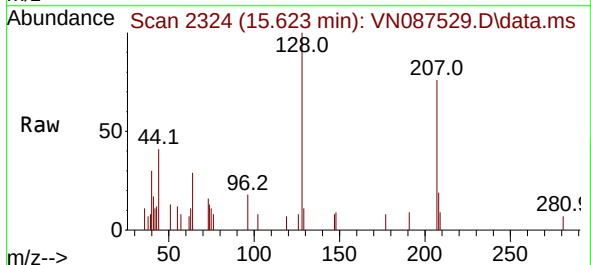
Instrument :
MSVOA_N
ClientSampleId :



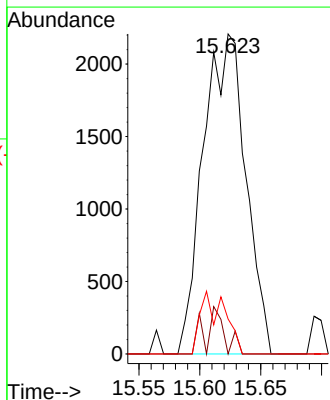
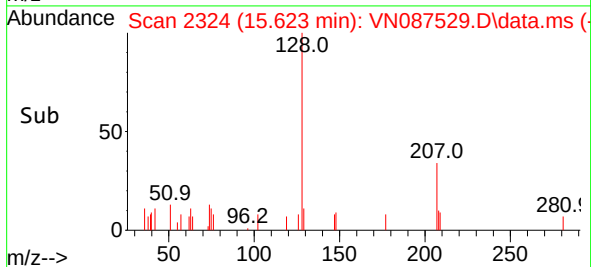
Tgt Ion:225 Resp: 1054
Ion Ratio Lower Upper
225 100
223 53.2 32.1 96.3
227 51.4 31.3 93.9

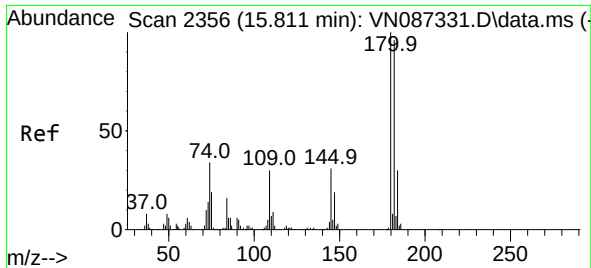


#95
Naphthalene
Concen: 0.355 ug/l
RT: 15.623 min Scan# 2324
Delta R.T. 0.006 min
Lab File: VN087529.D
Acq: 13 Aug 2025 13:01



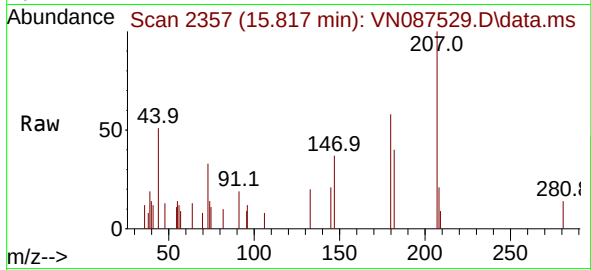
Tgt Ion:128 Resp: 5361
Ion Ratio Lower Upper
128 100
127 6.6 10.5 15.7#
129 11.2 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.446 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087529.D
 Acq: 13 Aug 2025 13:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1907
Ion	Ratio	Lower	Upper
180	100		
182	106.6	47.1	141.4
145	31.4	16.9	50.6

