

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086174.D
 Acq On : 31 Mar 2025 17:02
 Operator : JC\MD
 Sample : PB167360TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167360TB

Quant Time: Apr 01 01:37:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

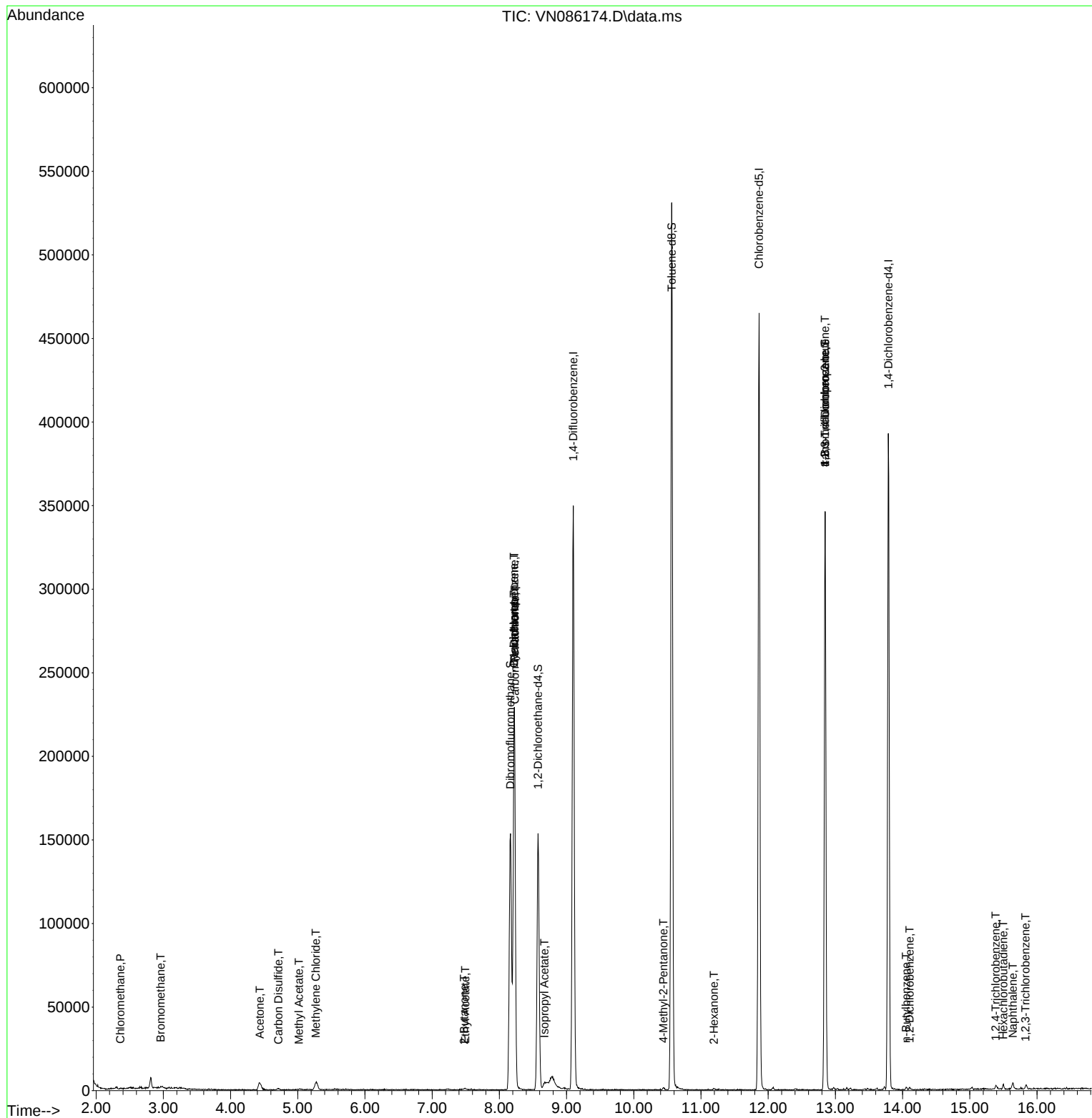
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125916	54.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.220%	
35) Dibromofluoromethane	8.165	113	113115	52.263	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	10.565	98	376809	47.970	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.940%	
62) 4-Bromofluorobenzene	12.847	95	121657	43.428	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.860%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	399	0.204	ug/l #	42
5) Bromomethane	2.959	94	807	0.592	ug/l #	71
16) Acetone	4.436	43	8736	12.402	ug/l	91
17) Carbon Disulfide	4.712	76	1785	0.315	ug/l #	74
18) Methyl Acetate	5.018	43	668	0.383	ug/l #	45
20) Methylene Chloride	5.271	84	3856	1.871	ug/l #	94
25) 2-Butanone	7.477	43	680	0.669	ug/l #	40
31) Cyclohexane	8.218	56	3651	1.271	ug/l #	15
36) 1,1-Dichloropropene	8.218	75	12553	4.405	ug/l #	50
37) Ethyl Acetate	7.494	43	1249	0.519	ug/l #	64
38) Carbon Tetrachloride	8.230	117	17238	4.600	ug/l #	18
43) Isopropyl Acetate	8.671	43	2500	0.480	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	1122	0.488	ug/l	96
59) 2-Hexanone	11.194	43	760	0.454	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	60524	23.884	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60524	63.146	ug/l #	16
89) n-Butylbenzene	14.053	91	1186	0.236	ug/l #	89
91) 1,2-Dichlorobenzene	14.106	146	903	0.234	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	1239	0.638	ug/l	97
94) Hexachlorobutadiene	15.500	225	799	0.709	ug/l	89
95) Naphthalene	15.641	128	4933	0.877	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.829	180	1166	0.633	ug/l	94

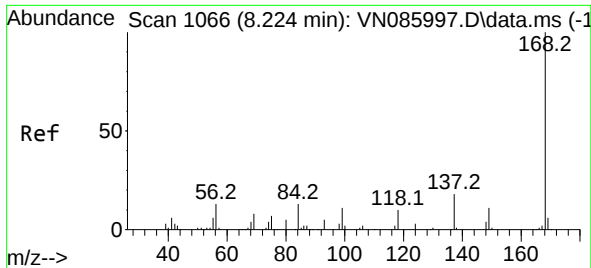
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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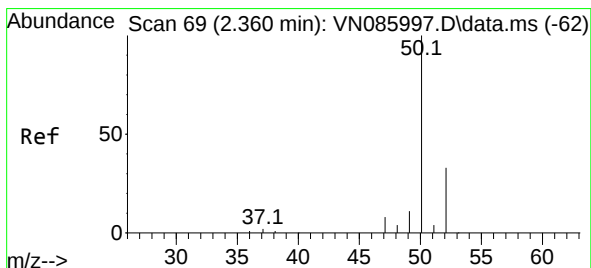
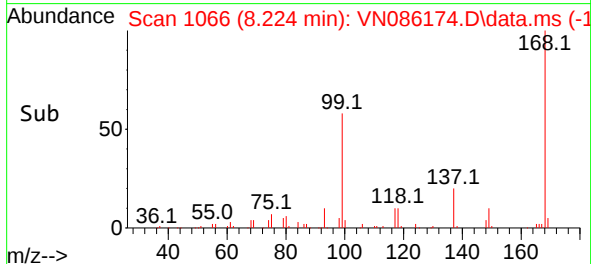
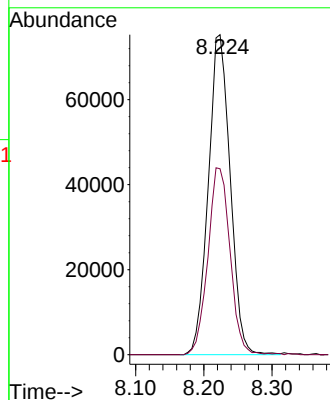
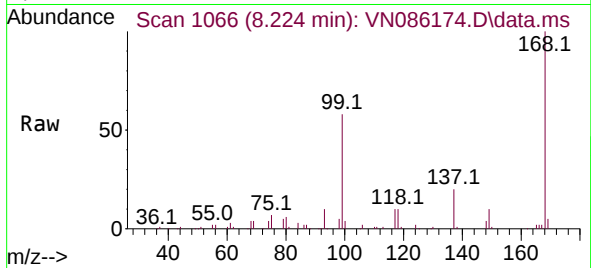




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

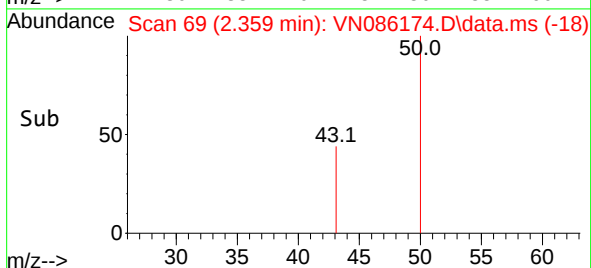
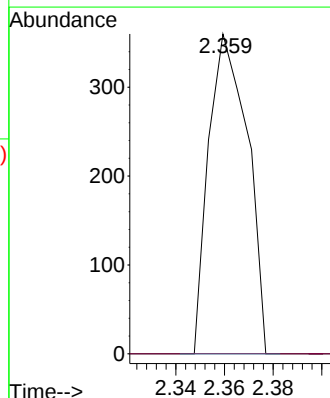
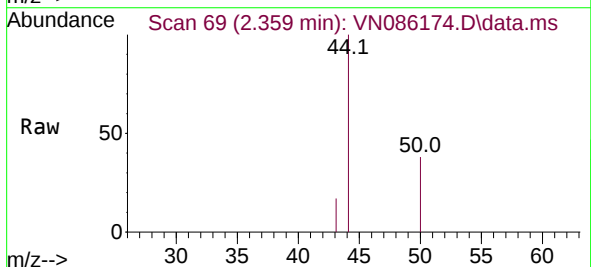
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

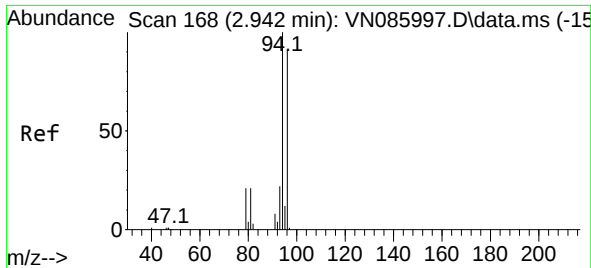
Tgt Ion:168 Resp: 168378
Ion Ratio Lower Upper
168 100
99 58.1 49.4 74.2



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

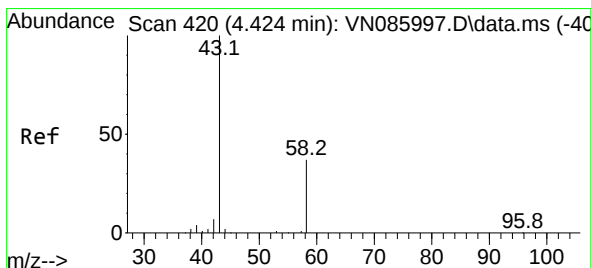
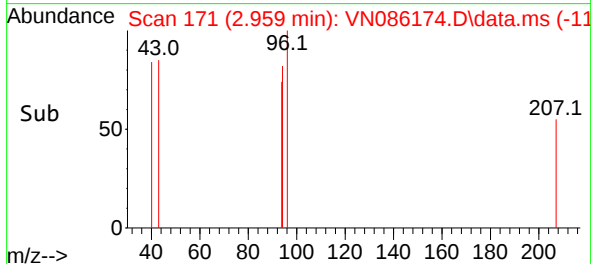
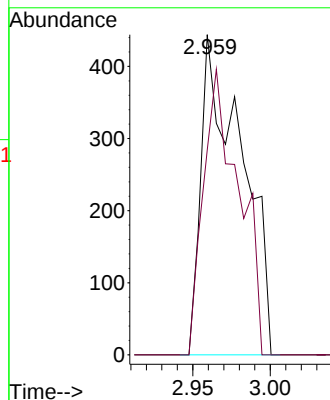
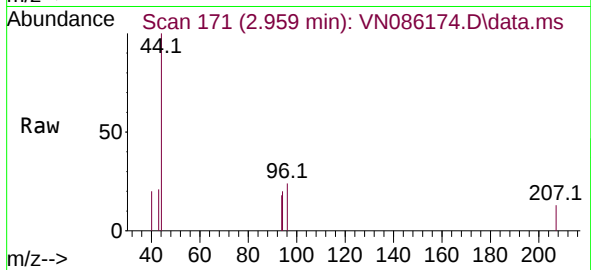




#5
Bromomethane
Concen: 0.592 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

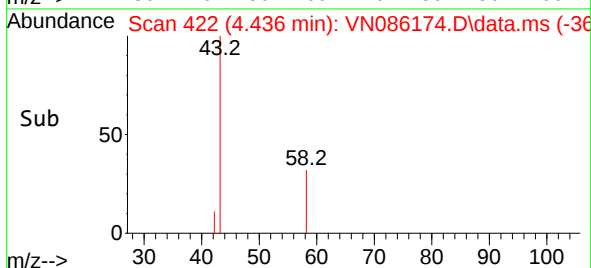
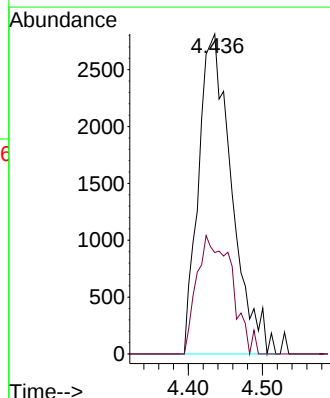
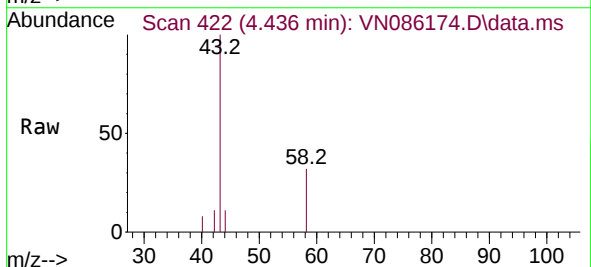
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

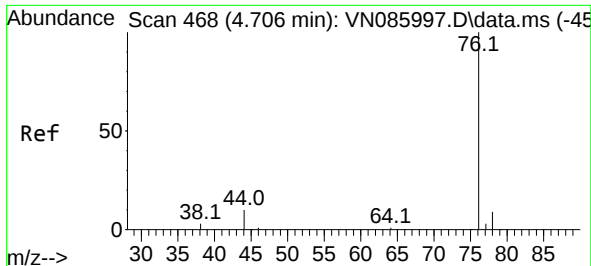
Tgt Ion: 94 Resp: 807
Ion Ratio Lower Upper
94 100
96 64.0 72.8 109.2#



#16
Acetone
Concen: 12.402 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 43 Resp: 8736
Ion Ratio Lower Upper
43 100
58 31.7 29.4 44.2

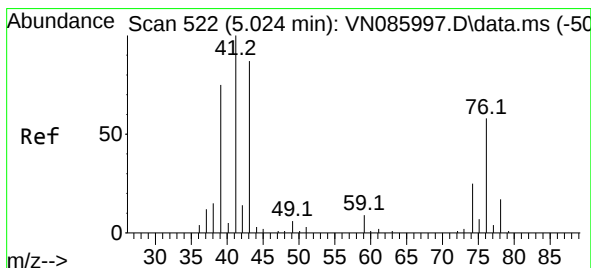
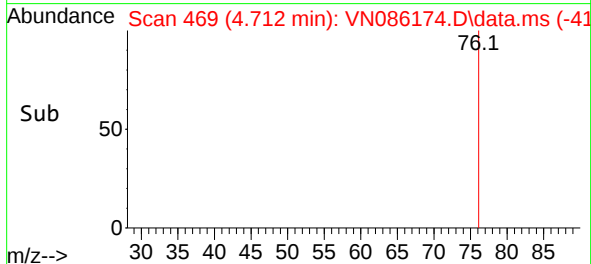
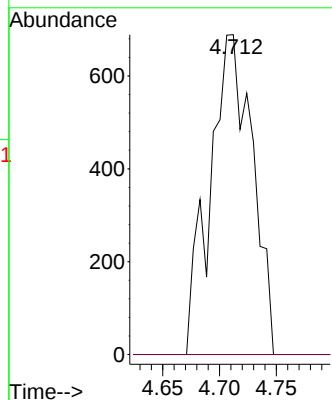
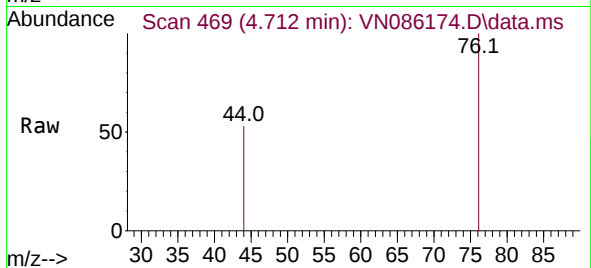




#17
Carbon Disulfide
Concen: 0.315 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

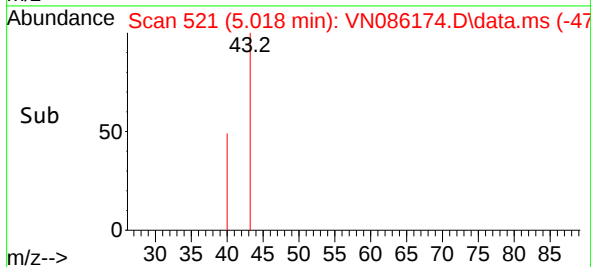
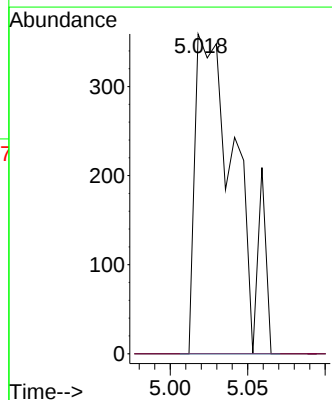
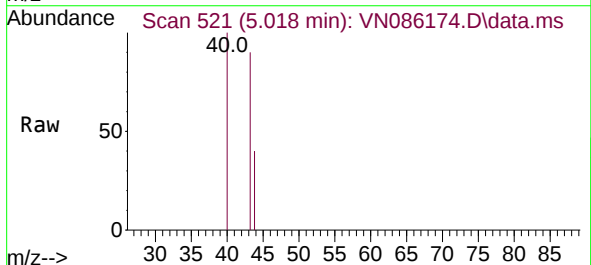
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

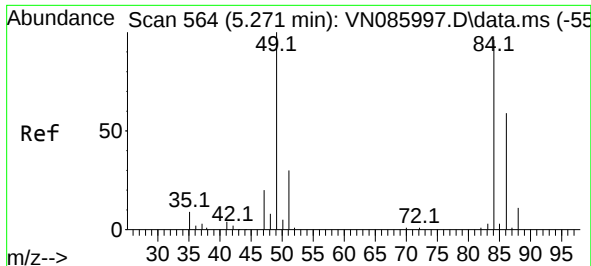
Tgt Ion: 76 Resp: 1785
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#

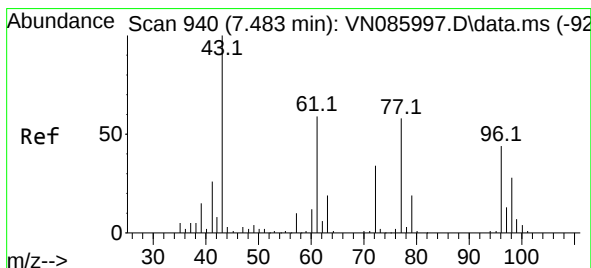
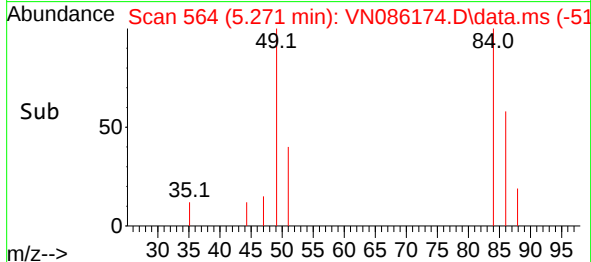
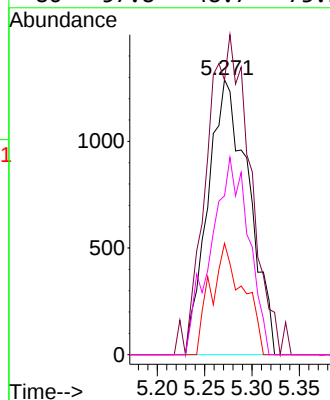
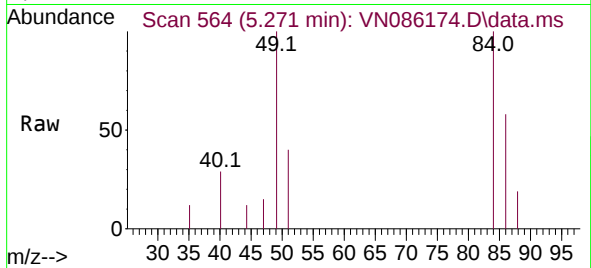




#20
Methylene Chloride
Concen: 1.871 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

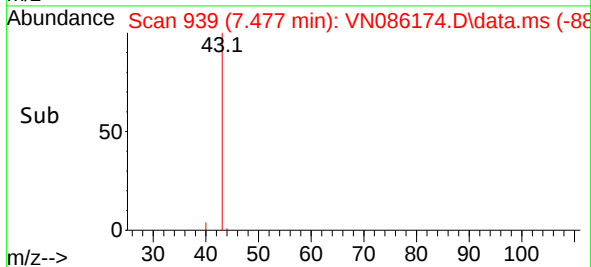
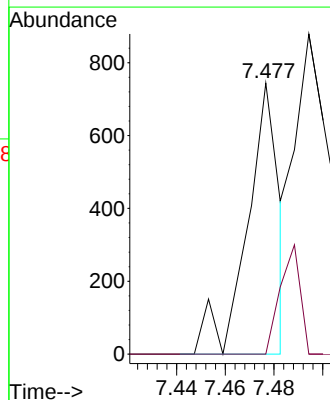
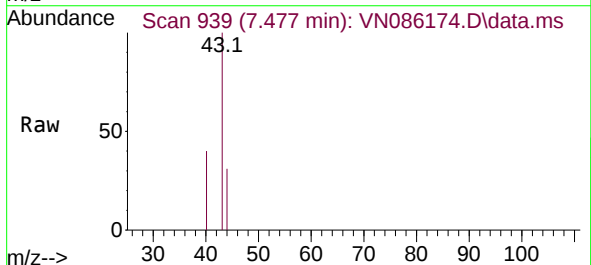
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

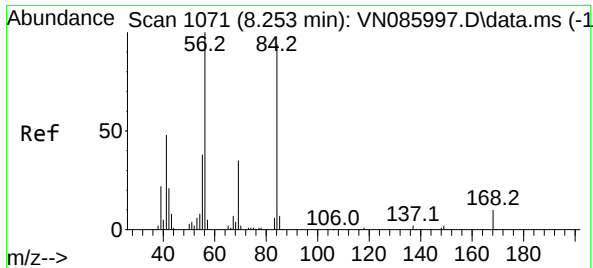
Tgt Ion: 84	Resp:	3856	
Ion	Ratio	Lower	Upper
84	100		
49	99.8	83.3	124.9
51	40.5	24.8	37.2#
86	57.8	48.7	73.1



#25
2-Butanone
Concen: 0.669 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

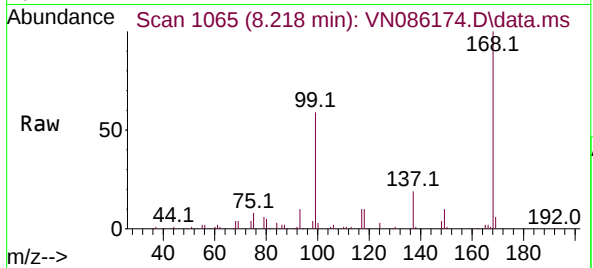
Tgt Ion: 43	Resp: 680
Ion Ratio	Lower Upper
43 100	
72 0.0	27.4 41.0#



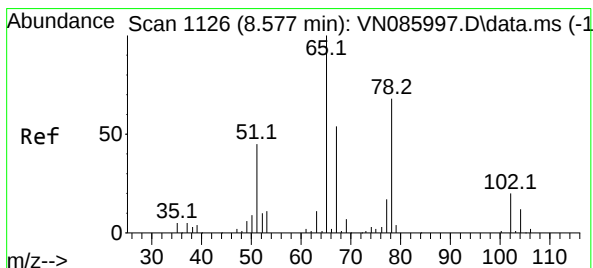
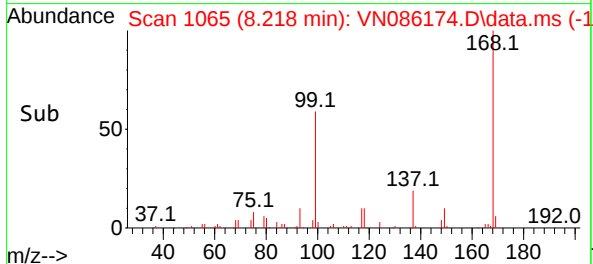
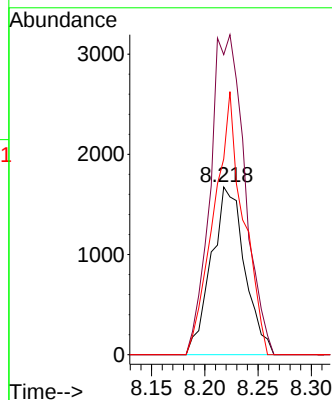


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Instrument :
MSVOA_N
ClientSampleId :
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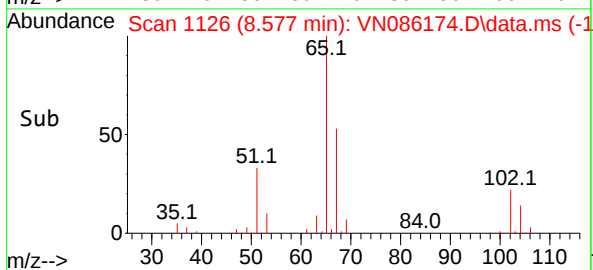
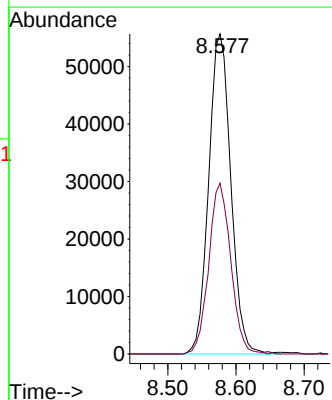
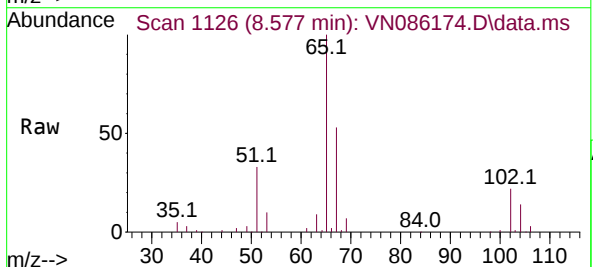


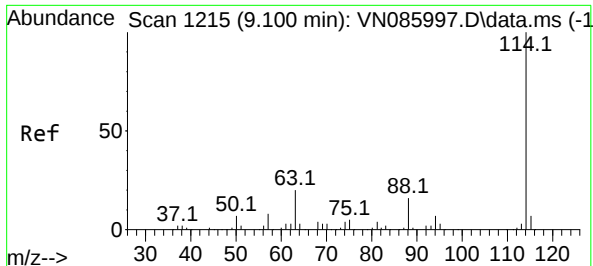
Tgt Ion: 56 Resp: 3651
Ion Ratio Lower Upper
56 100
69 178.9 28.0 42.0#
84 116.7 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 54.612 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 65 Resp: 125916
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.2

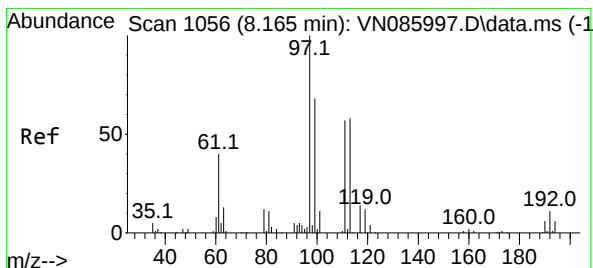
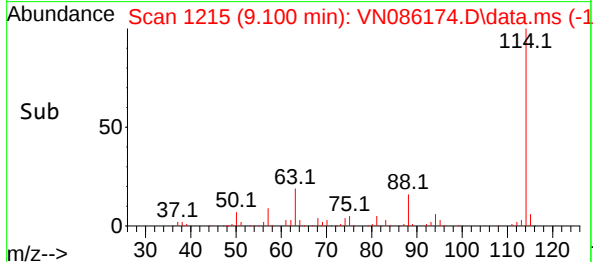
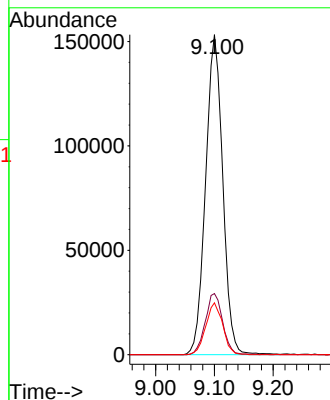
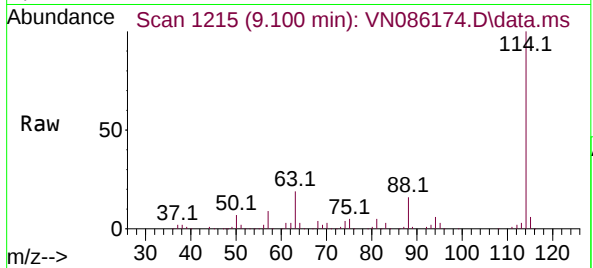




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

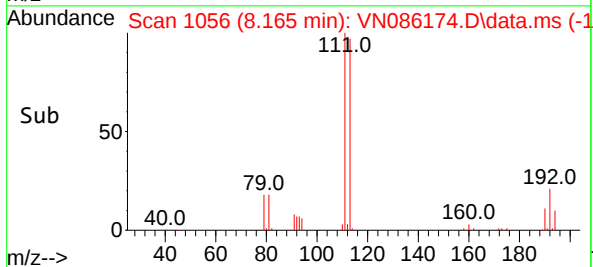
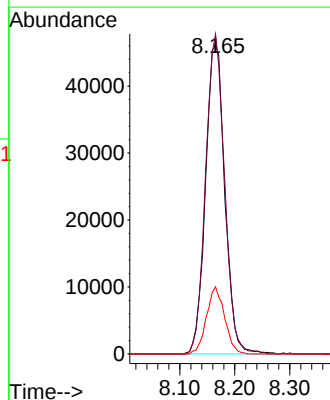
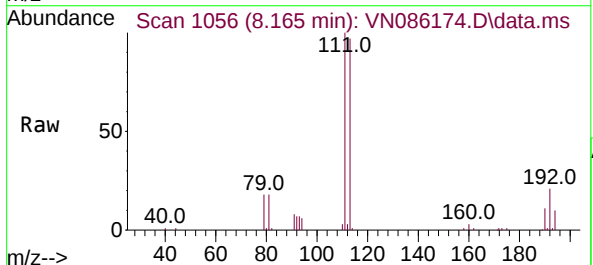
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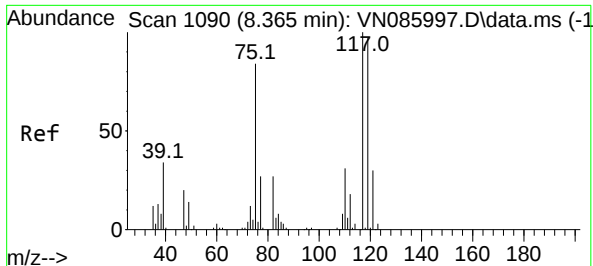
Tgt Ion:114 Resp: 310082
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.263 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion:113 Resp: 113115
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 20.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086174.D

Acq: 31 Mar 2025 17:02

Instrument :

MSVOA_N

ClientSampleId :

PB167360TB

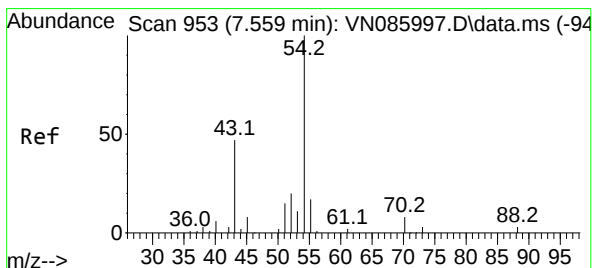
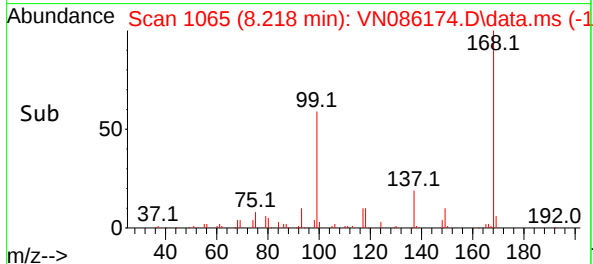
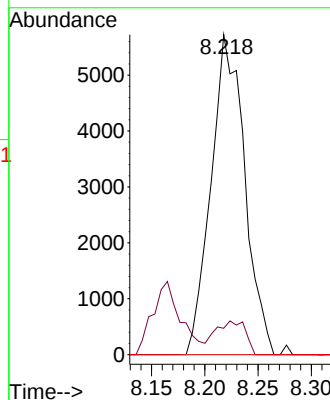
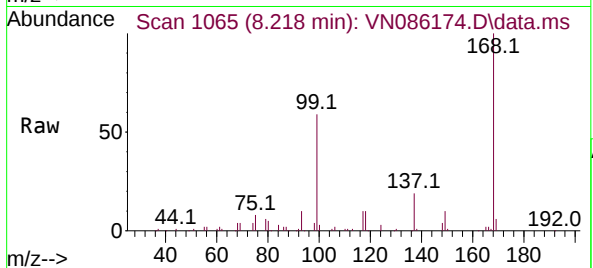
Tgt Ion: 75 Resp: 12553

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.519 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN086174.D

Acq: 31 Mar 2025 17:02

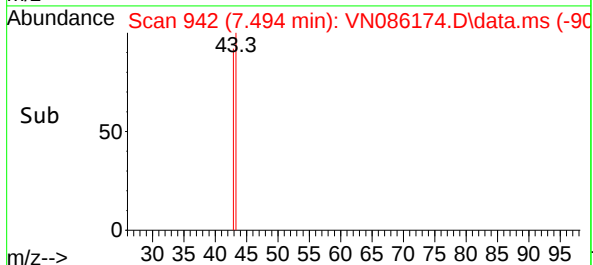
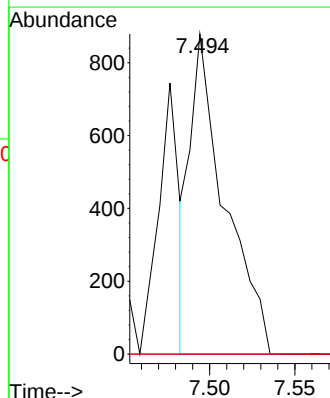
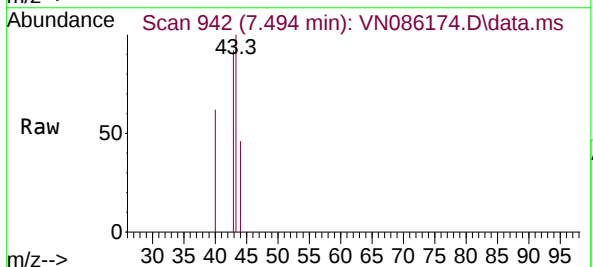
Tgt Ion: 43 Resp: 1249

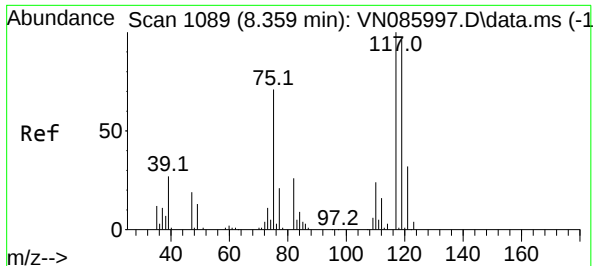
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#

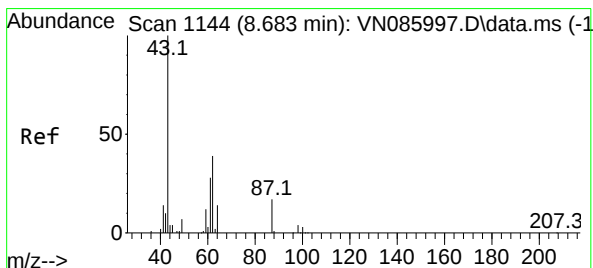
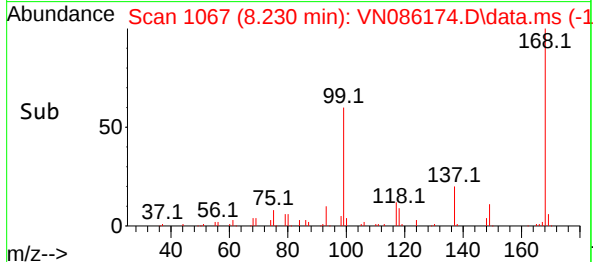
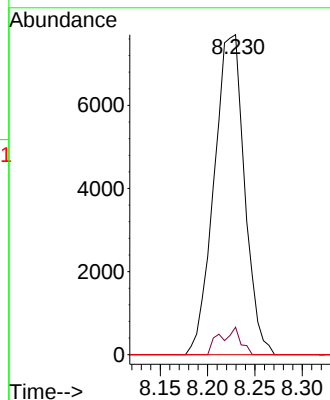
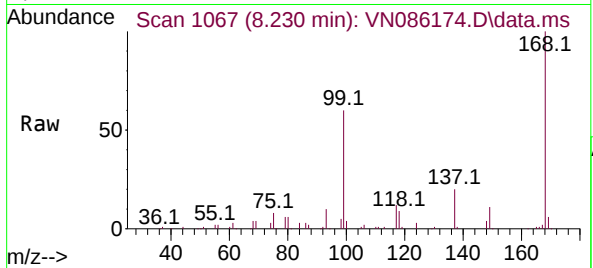




#38
Carbon Tetrachloride
Concen: 4.600 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

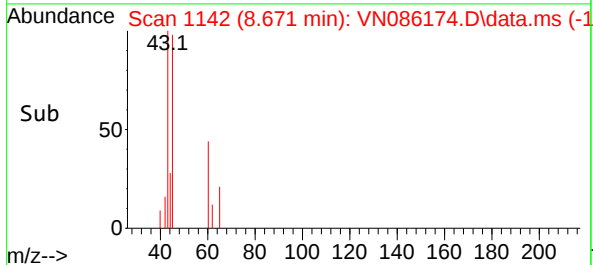
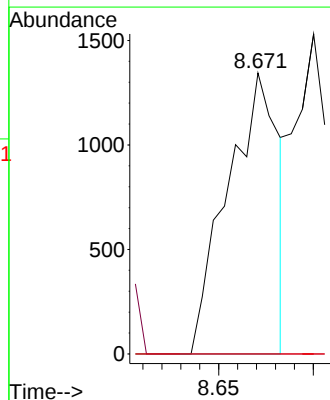
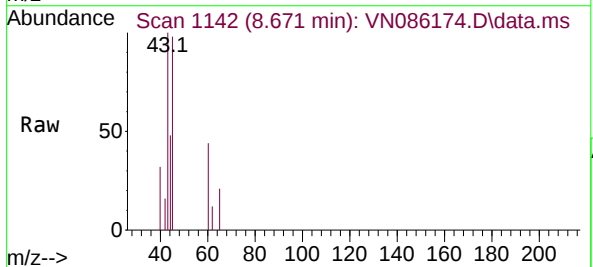
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

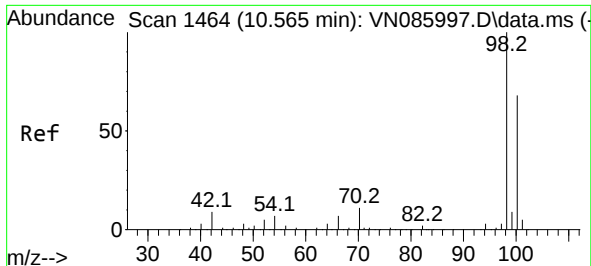
Tgt Ion:117 Resp: 17238
Ion Ratio Lower Upper
117 100
119 8.6 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.480 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

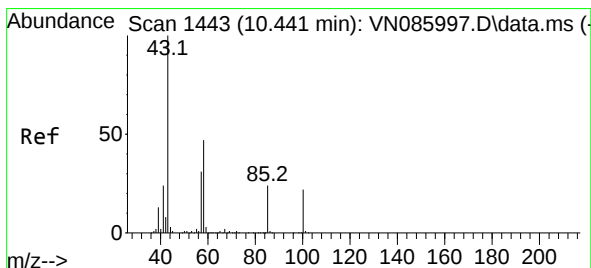
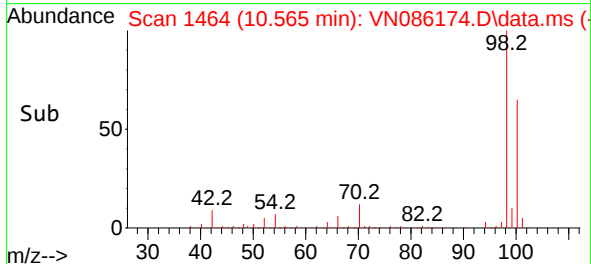
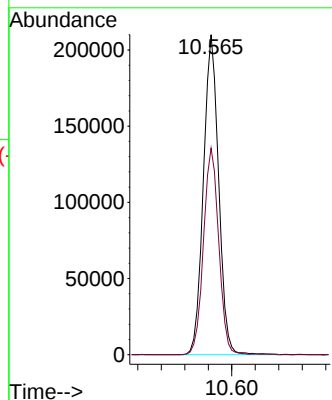
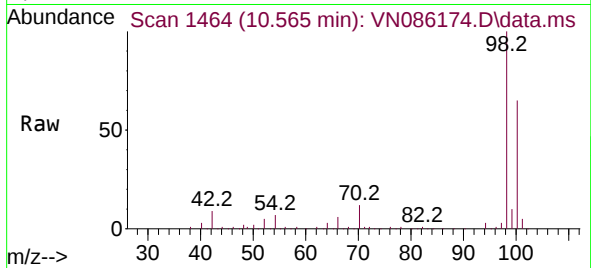




#50
Toluene-d8
Concen: 47.970 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

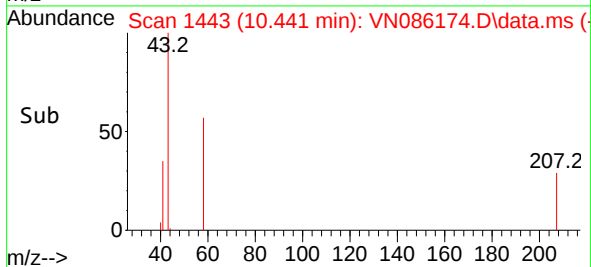
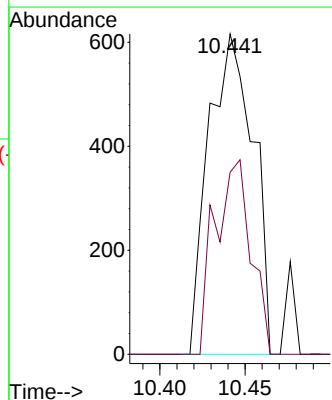
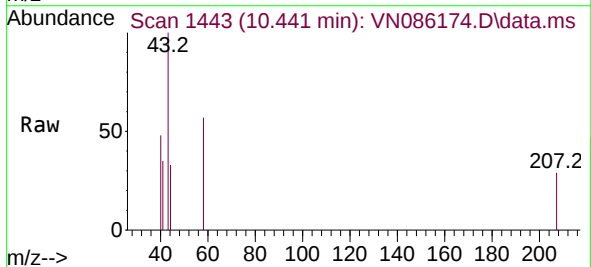
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

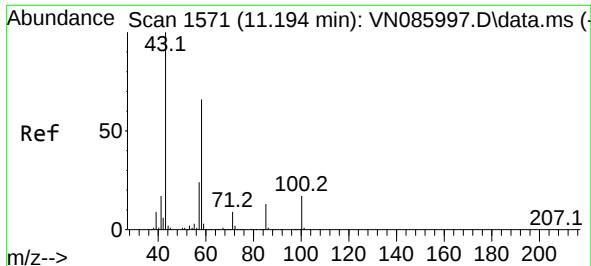
Tgt Ion: 98 Resp: 376809
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 49.1 37.4 56.0

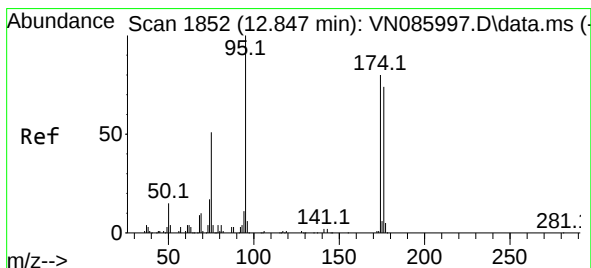
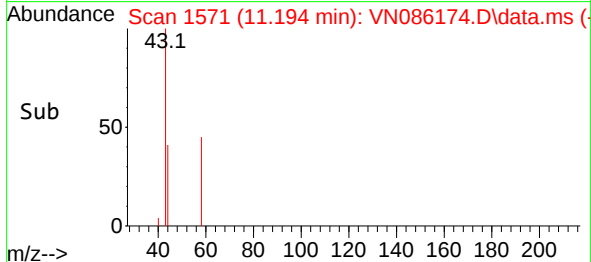
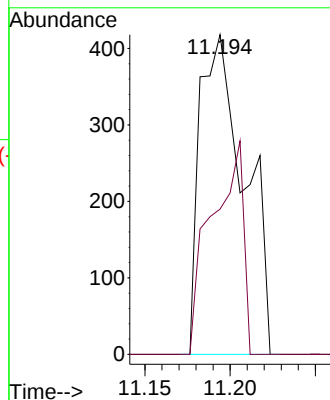
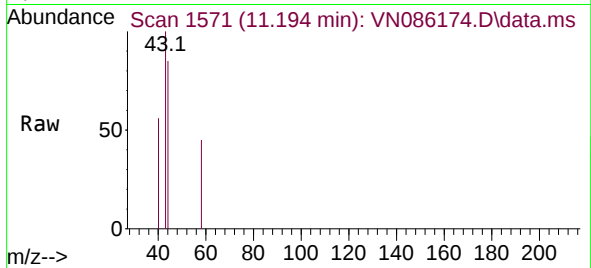




#59
2-Hexanone
Concen: 0.454 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

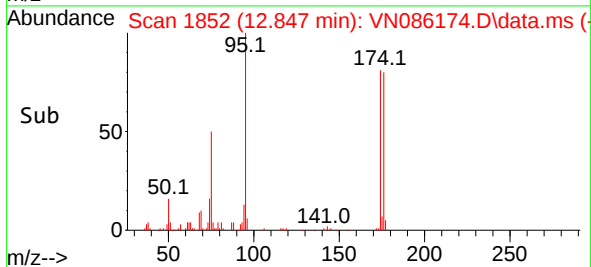
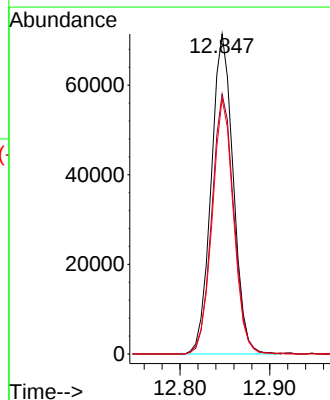
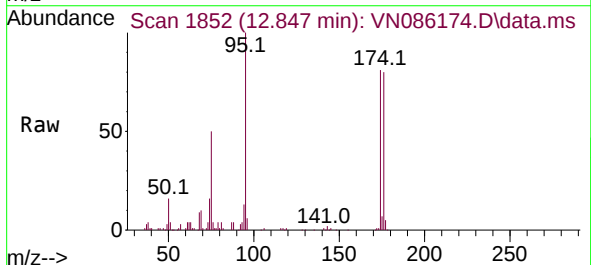
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

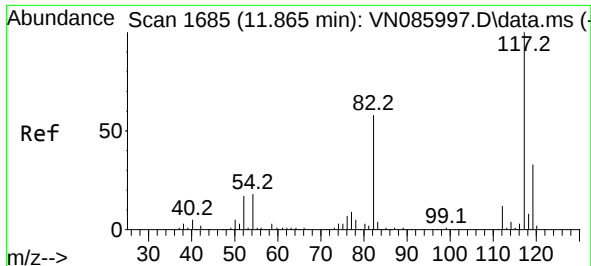
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 47.5 32.4 97.2



#62
4-Bromofluorobenzene
Concen: 43.428 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 95 Resp: 121657
Ion Ratio Lower Upper
95 100
174 81.0 0.0 156.8
176 77.4 0.0 152.2

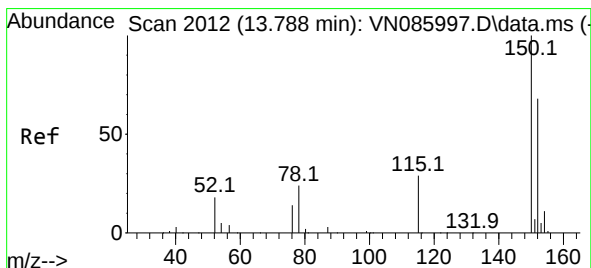
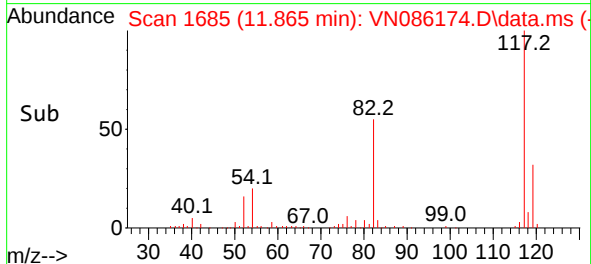
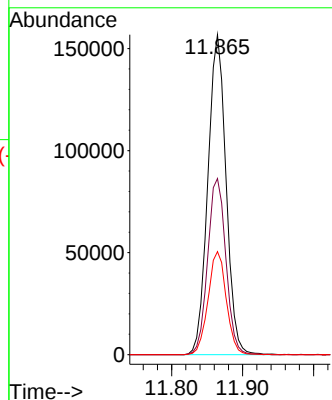
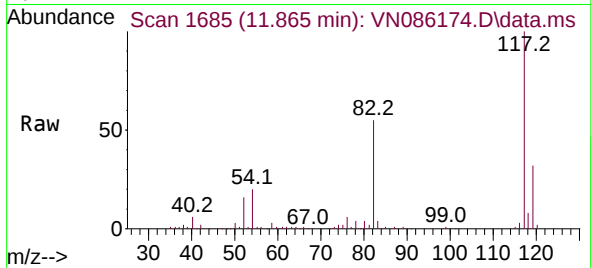




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

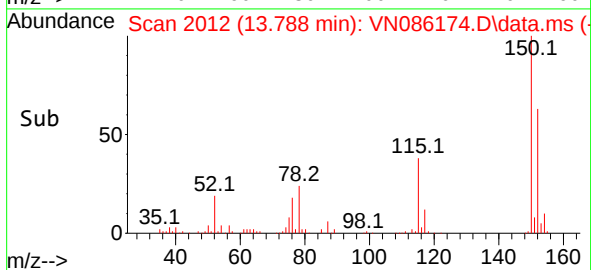
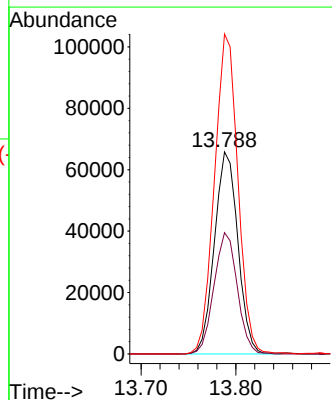
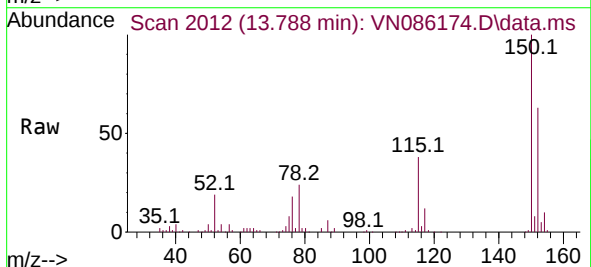
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

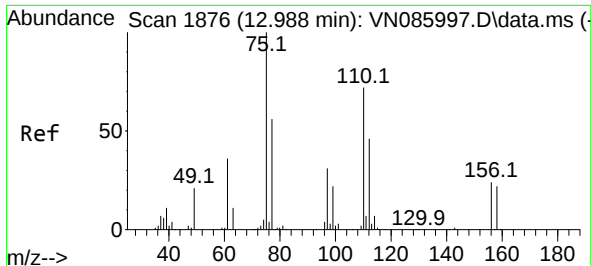
Tgt Ion:117 Resp: 279939
Ion Ratio Lower Upper
117 100
82 55.0 46.7 70.1
119 32.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion:152 Resp: 113187
Ion Ratio Lower Upper
152 100
115 59.7 31.1 93.2
150 158.3 0.0 359.6

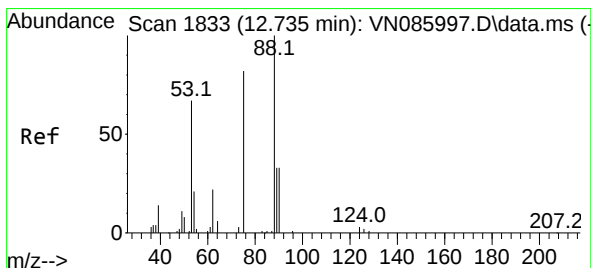
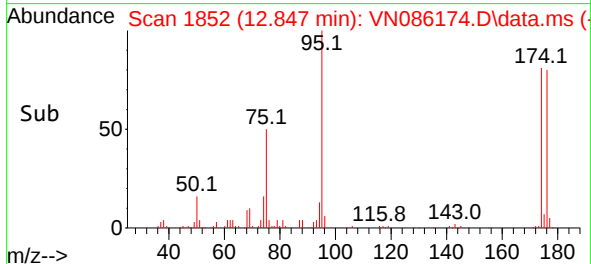
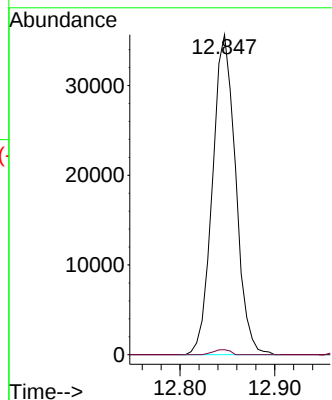
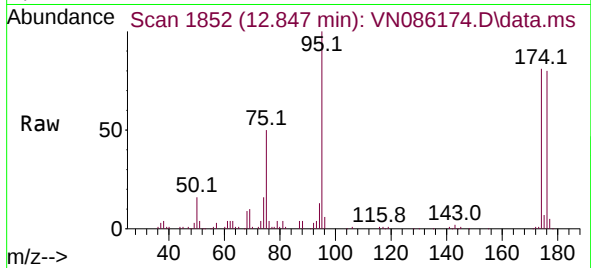




#76
1,2,3-Trichloropropane
Concen: 23.884 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

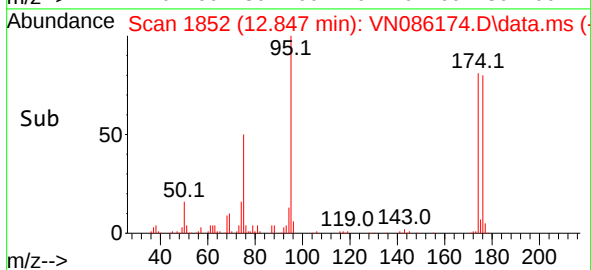
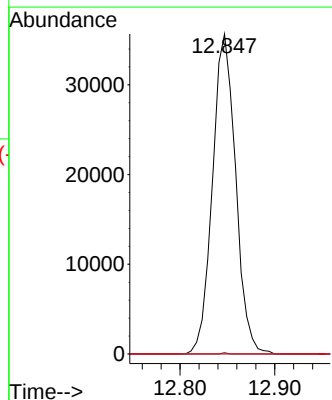
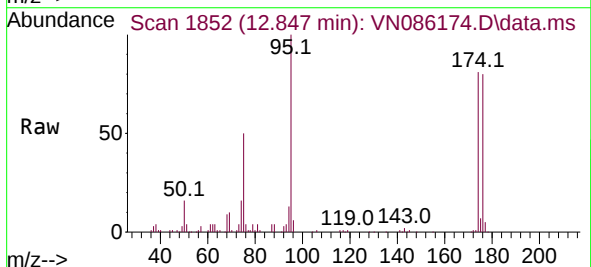
Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

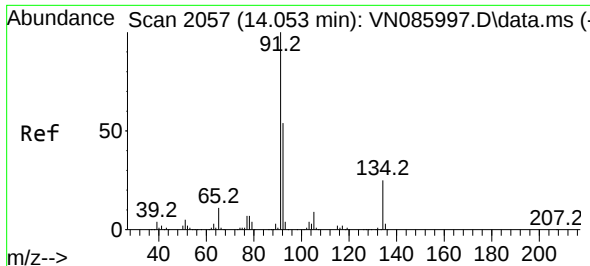
Tgt Ion: 75 Resp: 60524
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.146 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion: 75 Resp: 60524
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

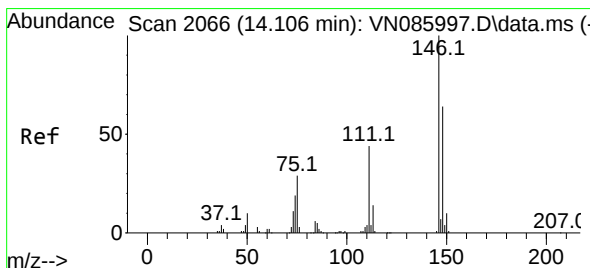
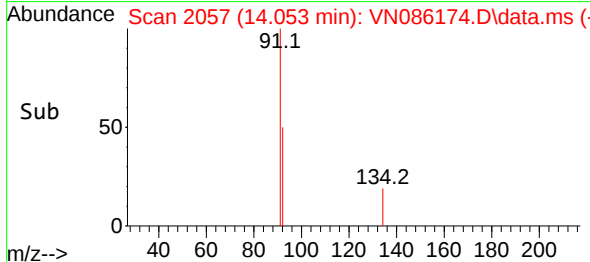
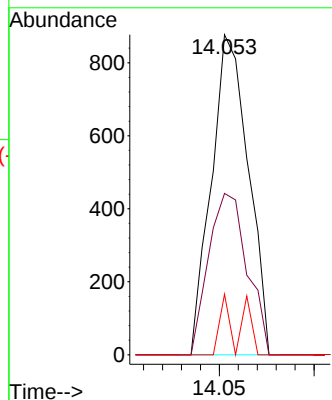
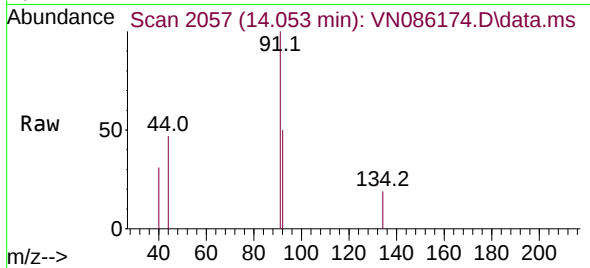




#89
n-Butylbenzene
Concen: 0.236 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

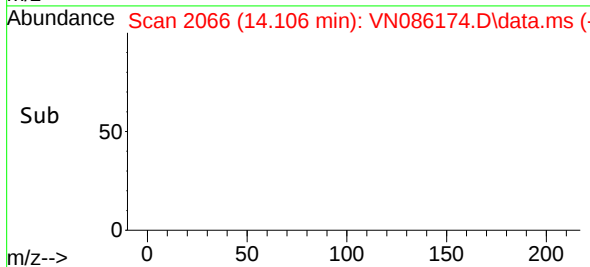
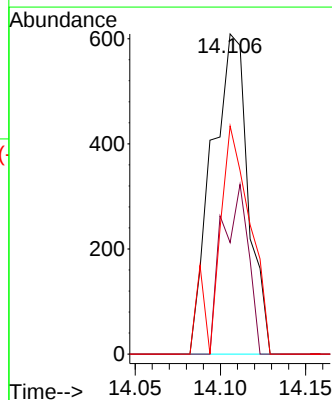
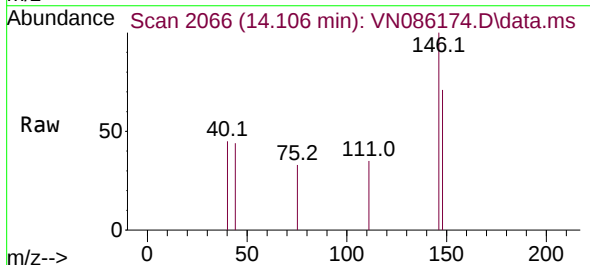
Instrument :
MSVOA_N
ClientSampleId :
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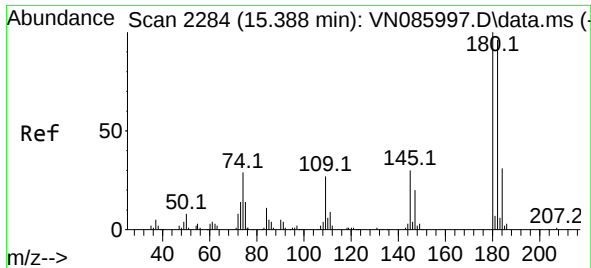
Tgt Ion:	91	Resp:	1186
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.6
134	9.7	13.0	39.0



#91
1,2-Dichlorobenzene
Concen: 0.234 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion:	146	Resp:	903
Ion	Ratio	Lower	Upper
146	100		
111	38.2	22.3	66.8
148	63.2	32.1	96.5

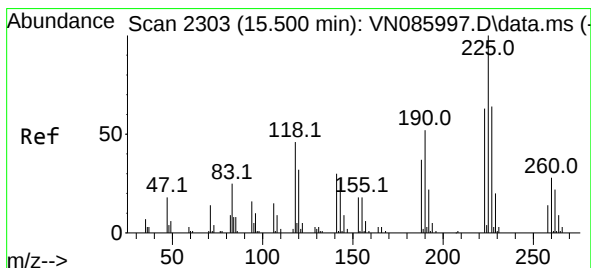
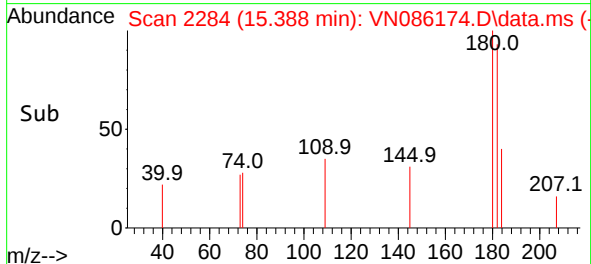
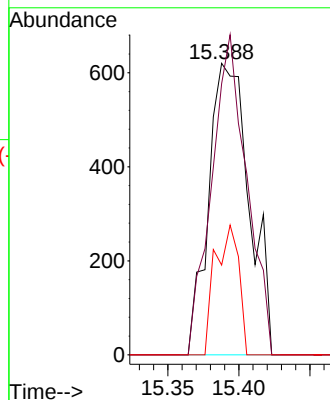
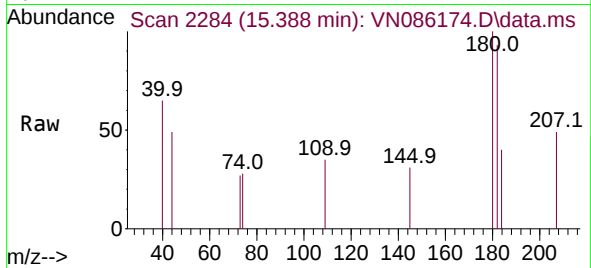




#93
 1,2,4-Trichlorobenzene
 Concen: 0.638 ug/l
 RT: 15.388 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VN086174.D
 Acq: 31 Mar 2025 17:02

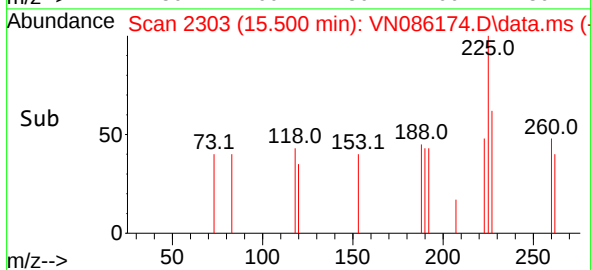
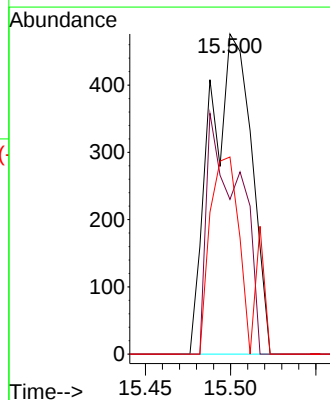
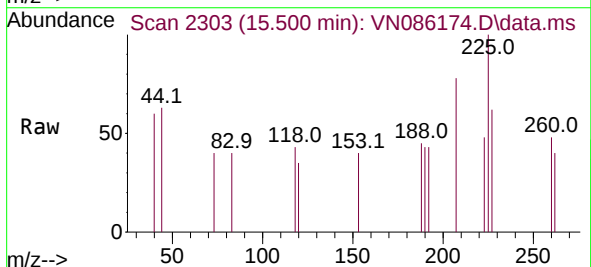
Instrument :
 MSVOA_N
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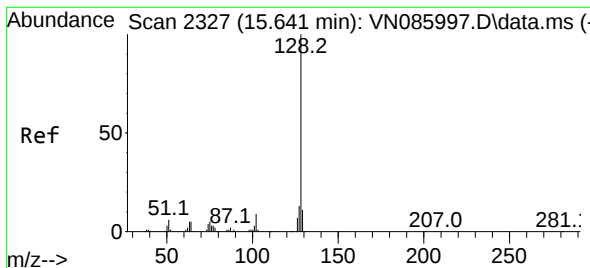
Tgt Ion:180 Resp: 1239
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.0 141.0
 145 25.7 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.709 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086174.D
 Acq: 31 Mar 2025 17:02

Tgt Ion:225 Resp: 799
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.3 93.9
 227 50.9 32.1 96.3

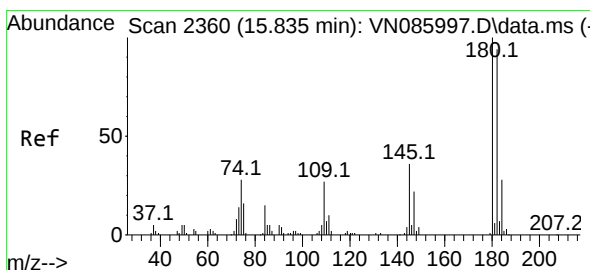
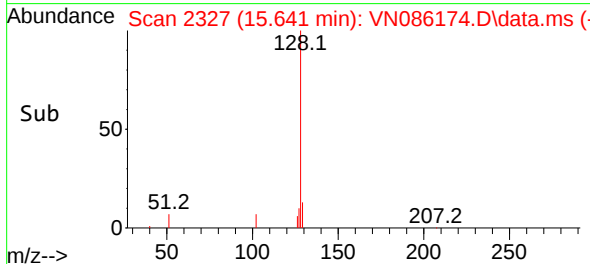
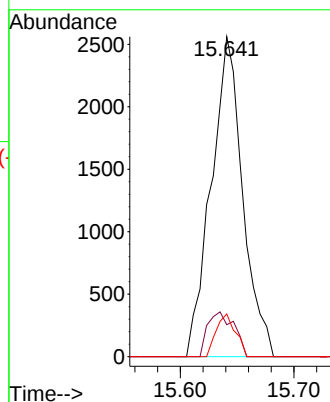
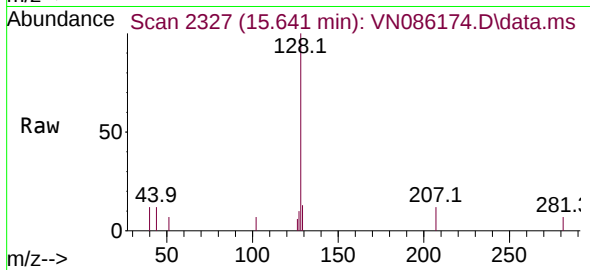




#95
Naphthalene
Concen: 0.877 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Instrument :
MSVOA_N
ClientSampleId :
PB167360TB

Tgt Ion:128 Resp: 4933
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 8.2 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.633 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086174.D
Acq: 31 Mar 2025 17:02

Tgt Ion:180 Resp: 1166
Ion Ratio Lower Upper
180 100
182 102.8 47.5 142.5
145 35.3 17.7 53.1

