

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086204.D
 Acq On : 02 Apr 2025 13:21
 Operator : JC\MD
 Sample : Q1659-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3809

Quant Time: Apr 03 01:34:49 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)

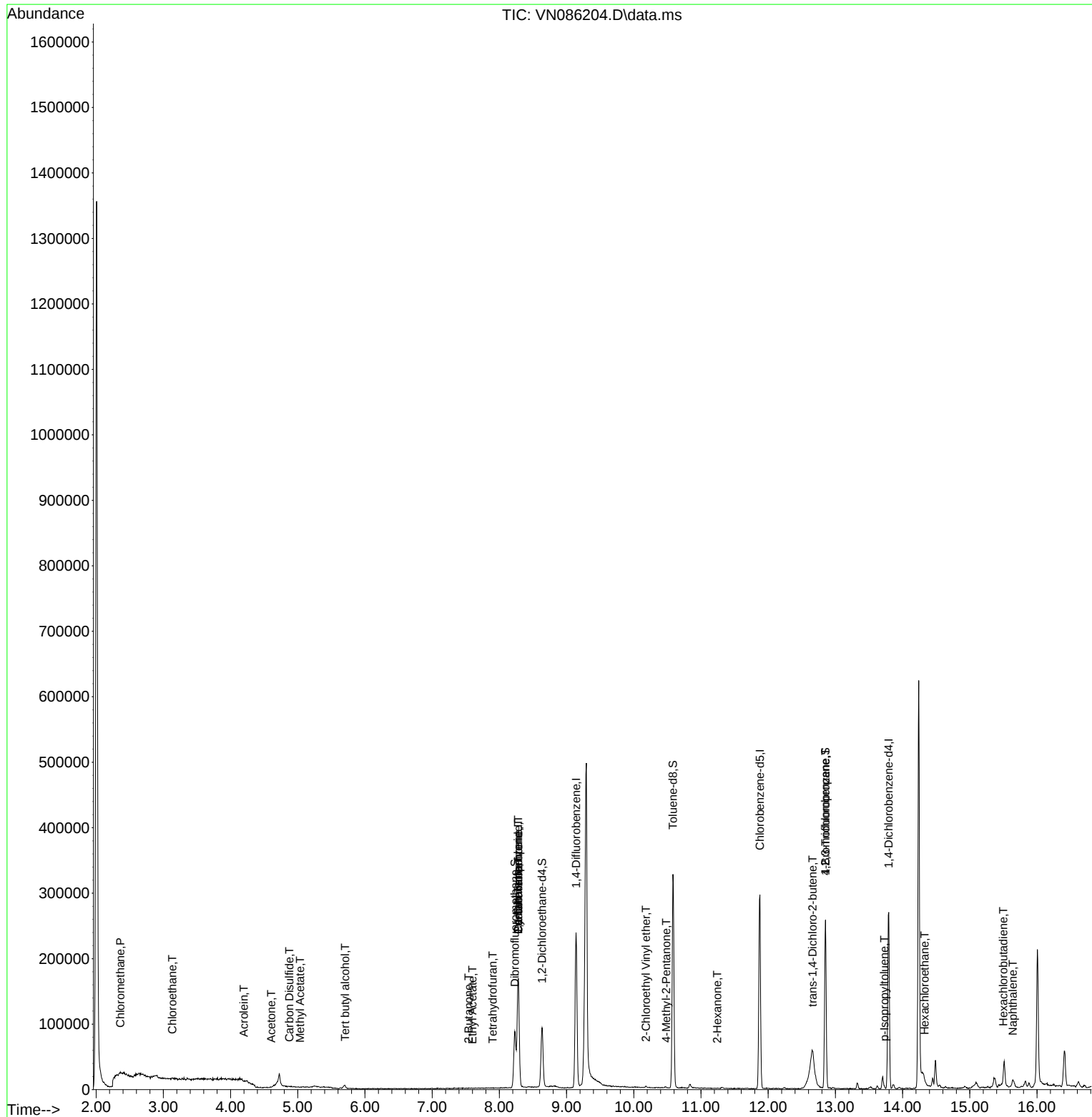
Internal Standards						
1) Pentafluorobenzene	8.282	168	117547	50.000	ug/l	0.06
34) 1,4-Difluorobenzene	9.141	114	197010	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.876	117	174088	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.794	152	76578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.635	65	81867	50.861	ug/l	0.06
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.720%			
35) Dibromofluoromethane	8.229	113	60786	44.205	ug/l	0.06
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.400%			
50) Toluene-d8	10.582	98	223918	44.867	ug/l	0.02
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.740%			
62) 4-Bromofluorobenzene	12.853	95	86328	48.504	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	331	0.242	ug/l	97
6) Chloroethane	3.136	64	299	0.340	ug/l #	53
11) Tert butyl alcohol	5.706	59	56	0.246	ug/l #	73
13) Acrolein	4.200	56	72	0.296	ug/l #	1
16) Acetone	4.606	43	979	1.991	ug/l #	72
17) Carbon Disulfide	4.877	76	1218	0.308	ug/l #	74
18) Methyl Acetate	5.036	43	315	0.259	ug/l #	45
25) 2-Butanone	7.541	43	793	1.118	ug/l #	40
29) Tetrahydrofuran	7.900	42	138	0.315	ug/l #	24
31) Cyclohexane	8.282	56	2283	1.138	ug/l #	5
36) 1,1-Dichloropropene	8.282	75	8971	4.955	ug/l #	51
37) Ethyl Acetate	7.600	43	398	0.261	ug/l #	64
38) Carbon Tetrachloride	8.282	117	13443	5.647	ug/l #	16
51) 4-Methyl-2-Pentanone	10.482	43	1894	1.297	ug/l #	64
58) 2-Chloroethyl Vinyl ether	10.182	63	760	4.619	ug/l #	87
59) 2-Hexanone	11.241	43	417	0.392	ug/l #	18
76) 1,2,3-Trichloropropane	12.853	75	49028	28.597	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.659	75	8040	12.398	ug/l #	25
86) p-Isopropyltoluene	13.729	119	2164	0.519	ug/l #	66
90) Hexachloroethane	14.329	117	267	0.277	ug/l #	10
94) Hexachlorobutadiene	15.500	225	340	0.446	ug/l #	66
95) Naphthalene	15.641	128	1737	0.457	ug/l #	79

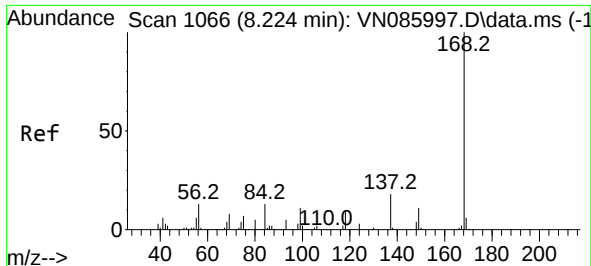
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

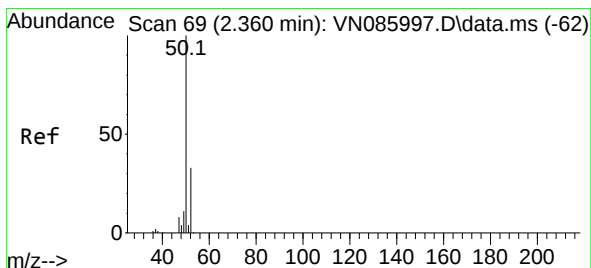
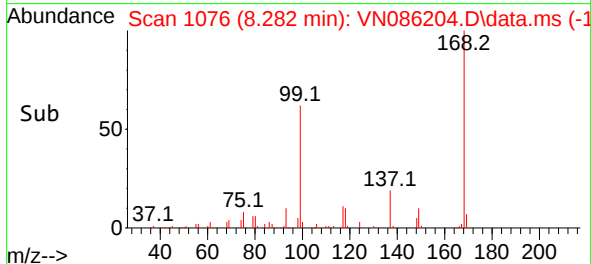
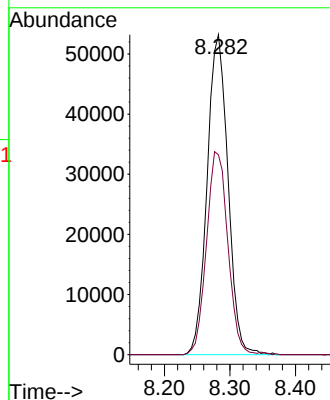
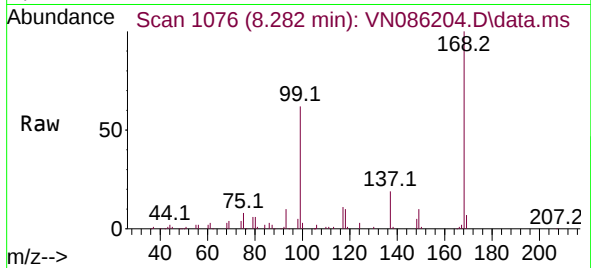




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.282 min Scan# 1066
Delta R.T. 0.058 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

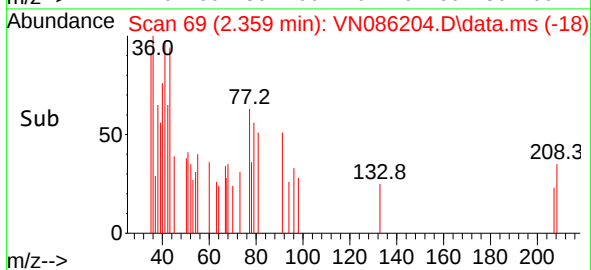
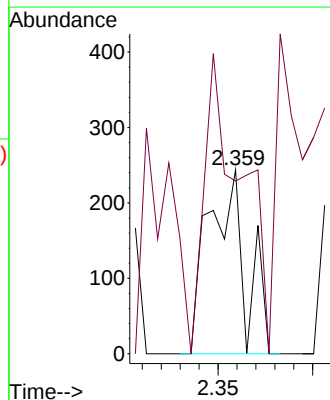
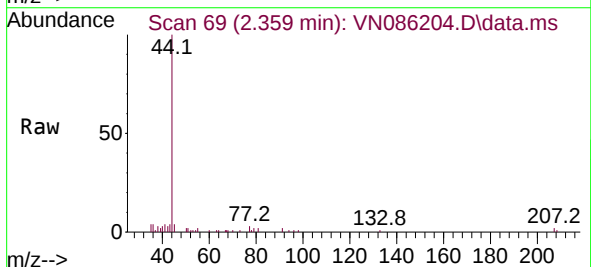
Instrument :
MSVOA_N
ClientSampleId :
3809

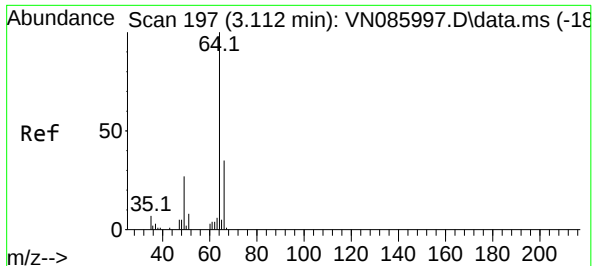
Tgt Ion:168 Resp: 117547
Ion Ratio Lower Upper
168 100
99 62.4 49.4 74.2



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 30.7 26.0 39.0

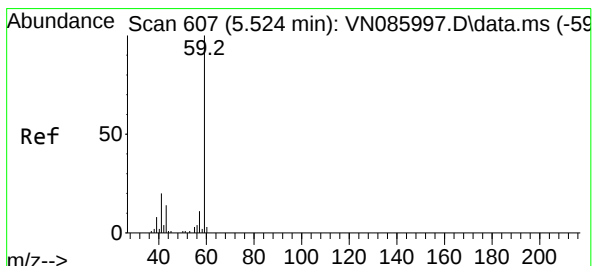
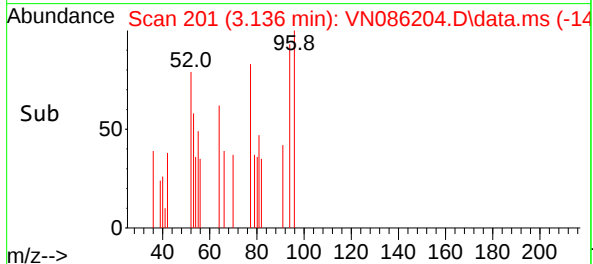
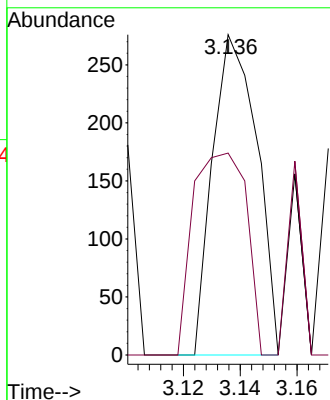
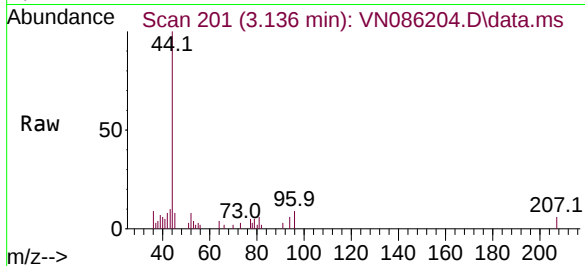




#6
Chloroethane
Concen: 0.340 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.023 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

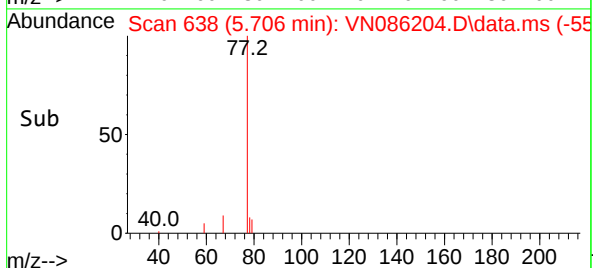
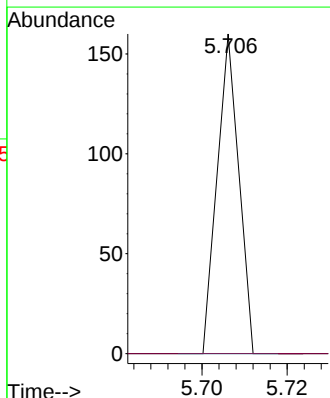
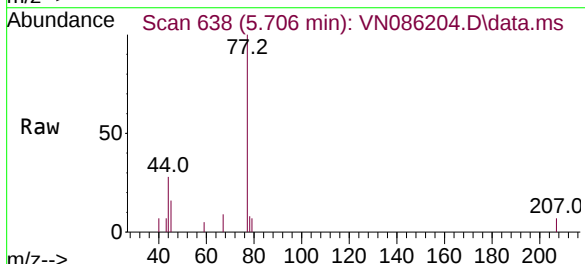
Instrument :
MSVOA_N
ClientSampleId :
3809

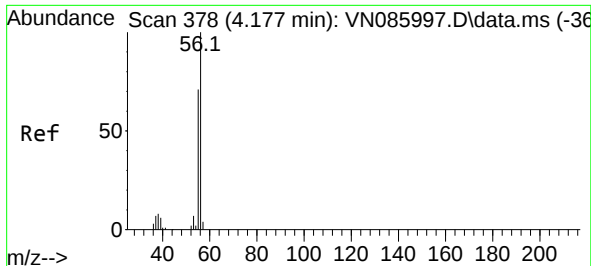
Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 63.0 28.3 42.5#



#11
Tert butyl alcohol
Concen: 0.246 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.182 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.296 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.023 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

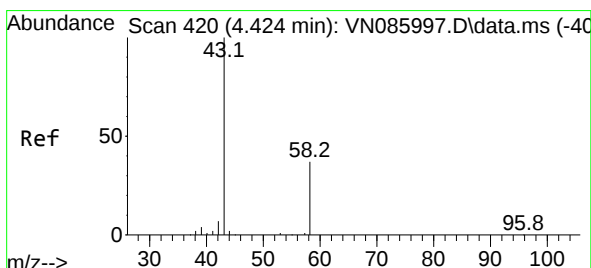
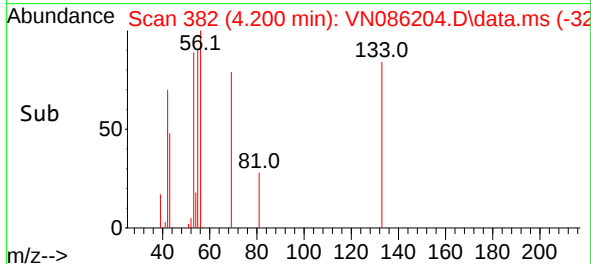
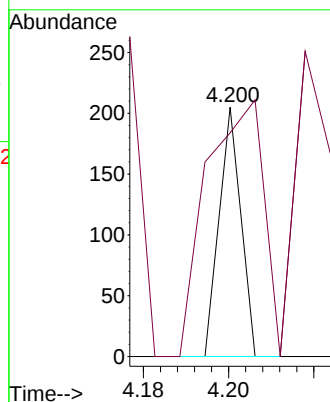
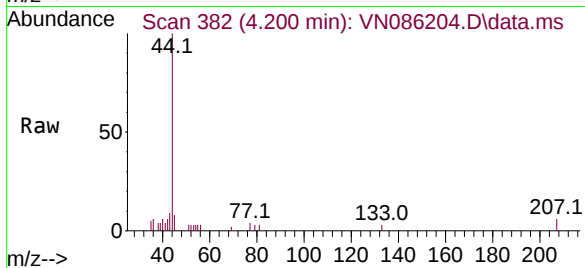
3809

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 272.2 55.1 82.7#



#16

Acetone

Concen: 1.991 ug/l

RT: 4.606 min Scan# 451

Delta R.T. 0.182 min

Lab File: VN086204.D

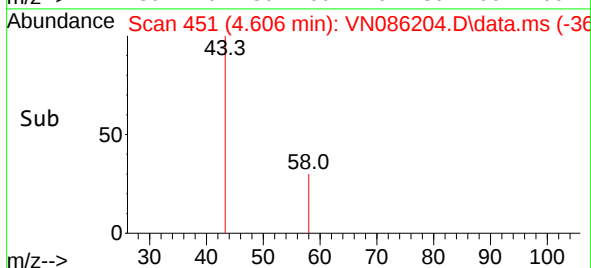
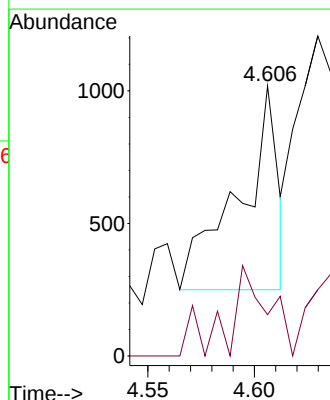
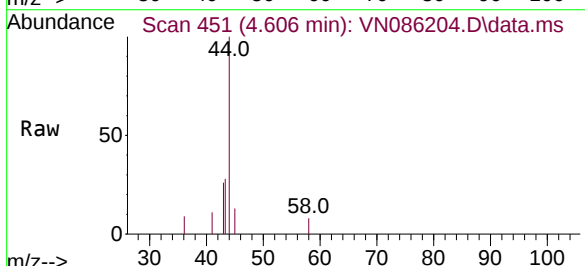
Acq: 02 Apr 2025 13:21

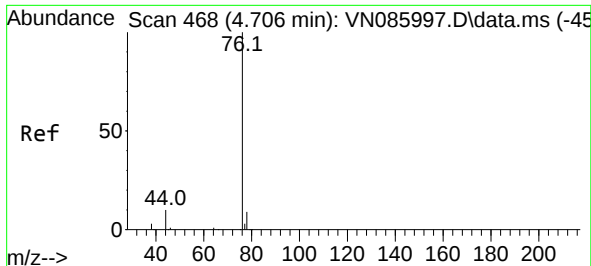
Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 20.3 29.4 44.2#

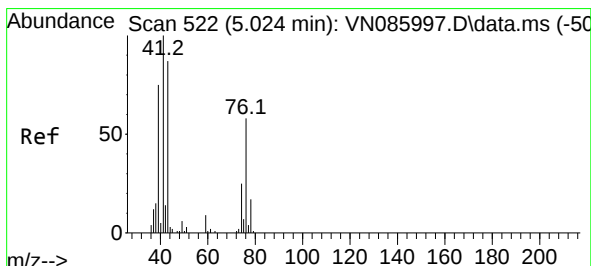
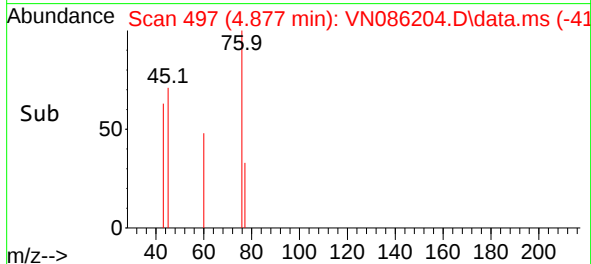
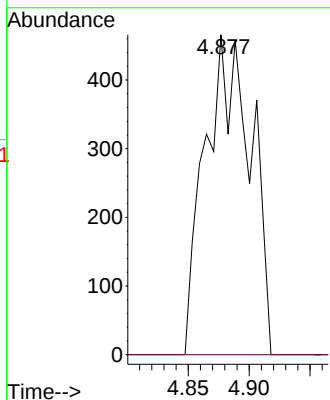
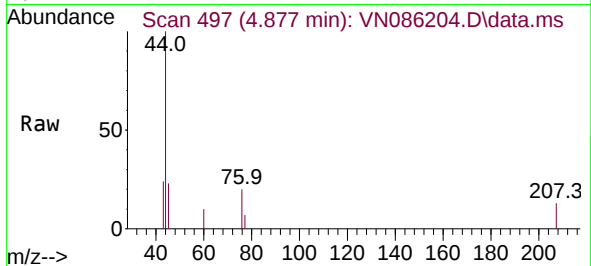




#17
Carbon Disulfide
Concen: 0.308 ug/l
RT: 4.877 min Scan# 497
Delta R.T. 0.170 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

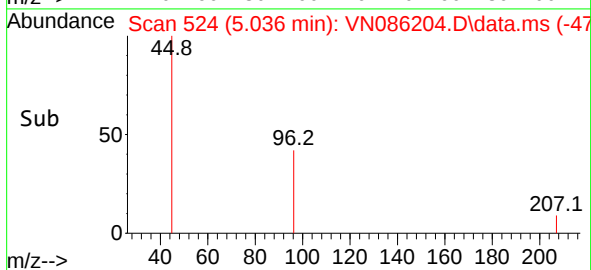
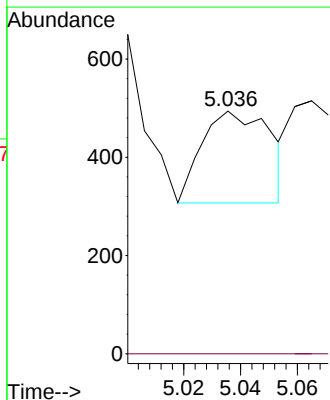
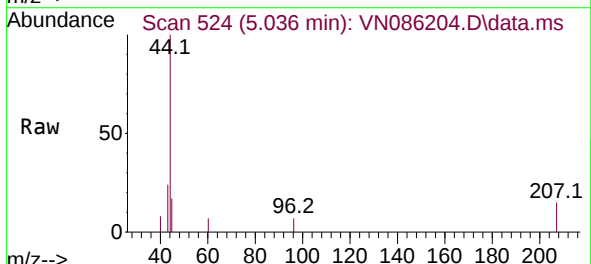
Instrument :
MSVOA_N
ClientSampleId :
3809

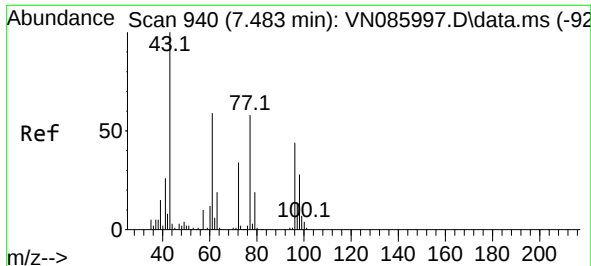
Tgt Ion: 76 Resp: 1218
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.259 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#

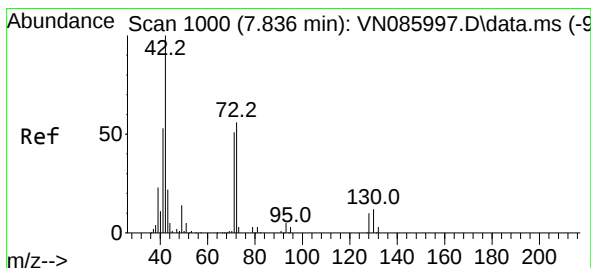
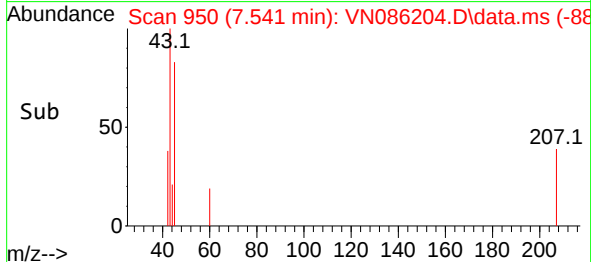
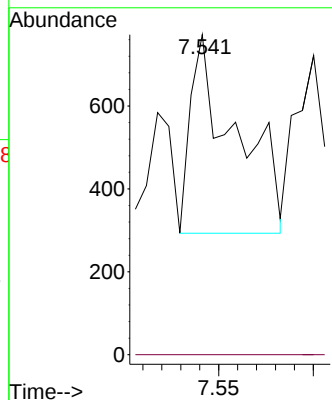
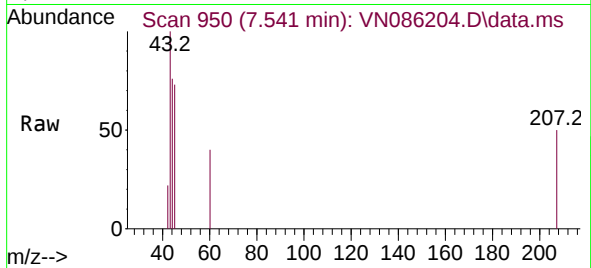




#25
2-Butanone
Concen: 1.118 ug/l
RT: 7.541 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

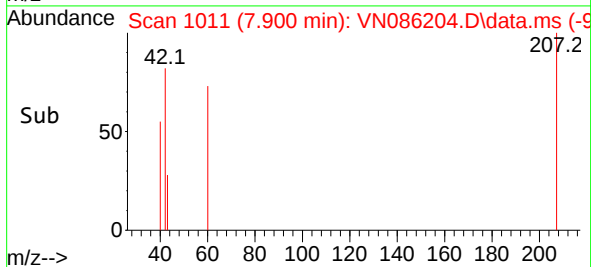
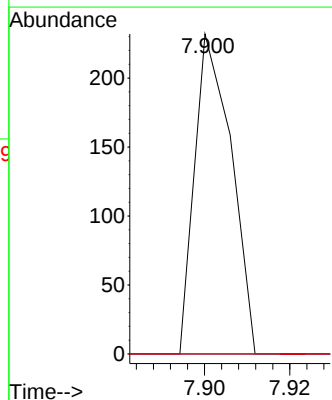
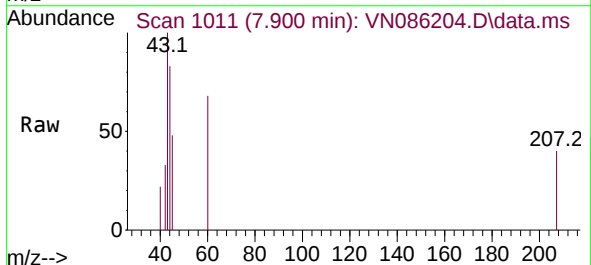
Instrument :
MSVOA_N
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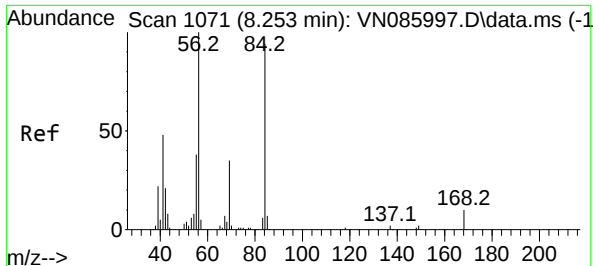
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#



#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 7.900 min Scan# 1011
Delta R.T. 0.064 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 42 Resp: 138
Ion Ratio Lower Upper
42 100
72 0.0 45.0 67.4#
71 0.0 41.9 62.9#

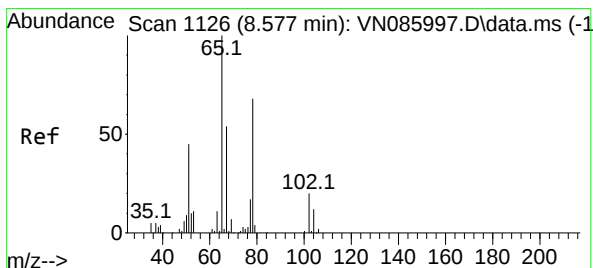
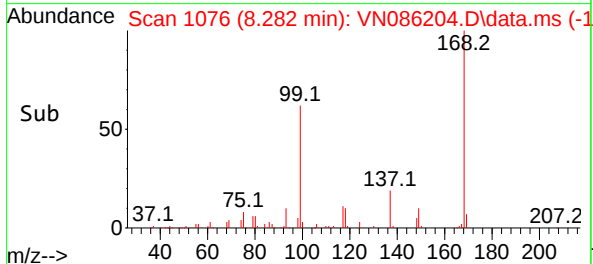
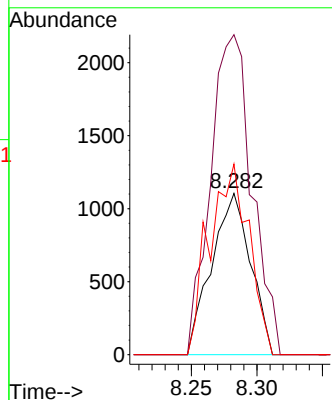
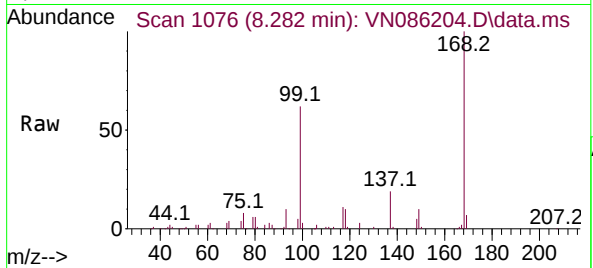




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.282 min Scan# 1107
Delta R.T. 0.029 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

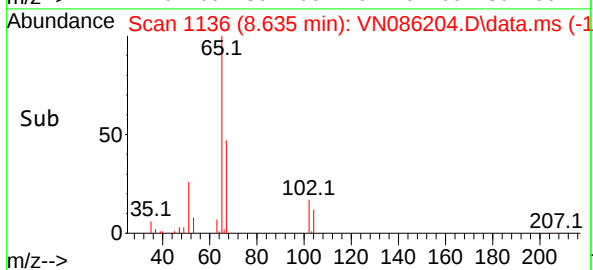
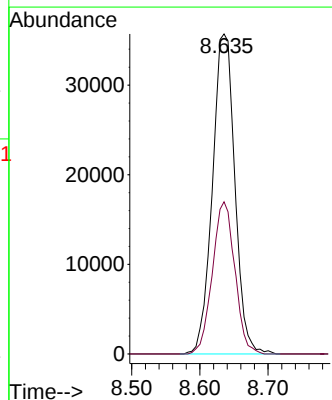
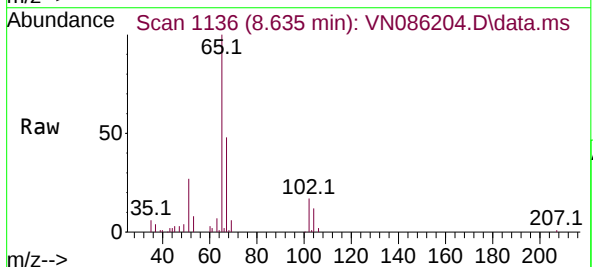
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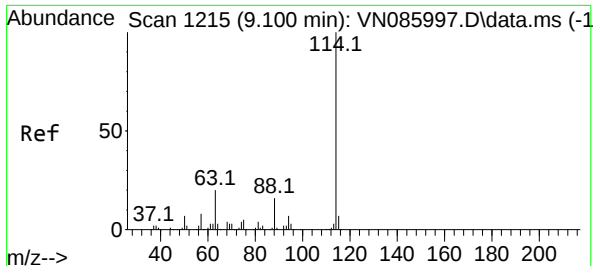
Tgt Ion: 56 Resp: 2283
Ion Ratio Lower Upper
56 100
69 198.4 28.0 42.0#
84 118.1 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 50.861 ug/l
RT: 8.635 min Scan# 1136
Delta R.T. 0.059 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 65 Resp: 81867
Ion Ratio Lower Upper
65 100
67 47.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.141 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

3809

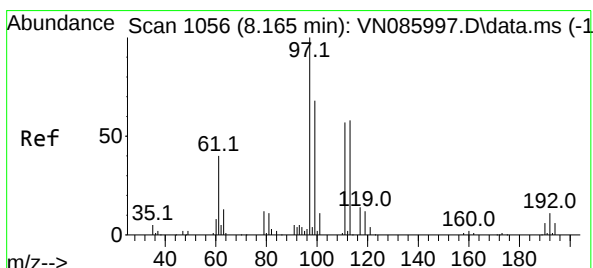
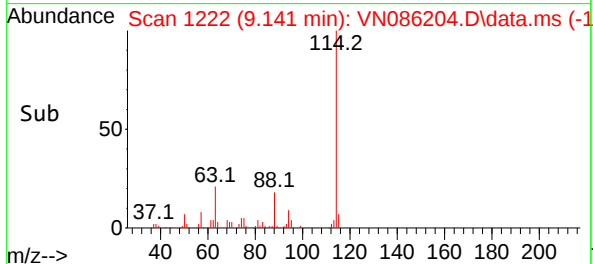
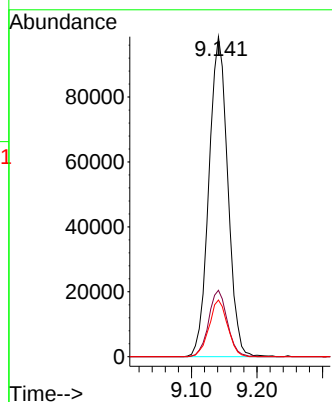
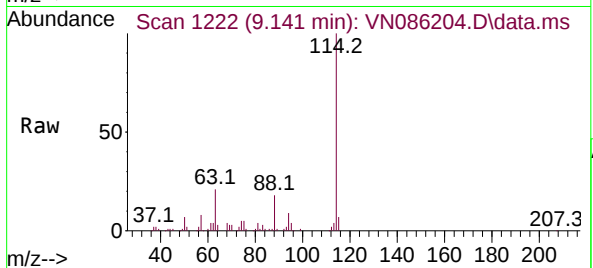
Tgt Ion:114 Resp: 197010

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 17.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.205 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.064 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

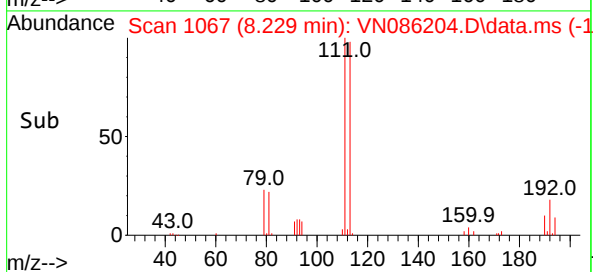
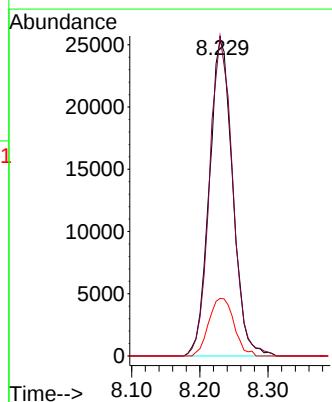
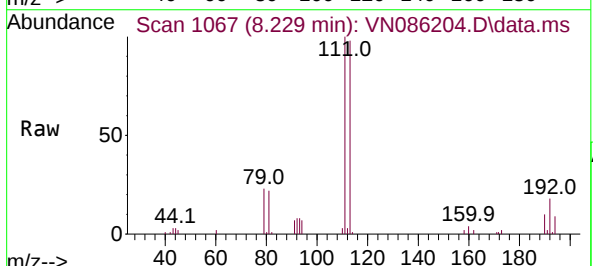
Tgt Ion:113 Resp: 60786

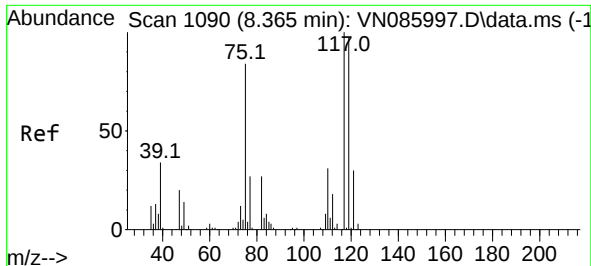
Ion Ratio Lower Upper

113 100

111 99.8 81.8 122.8

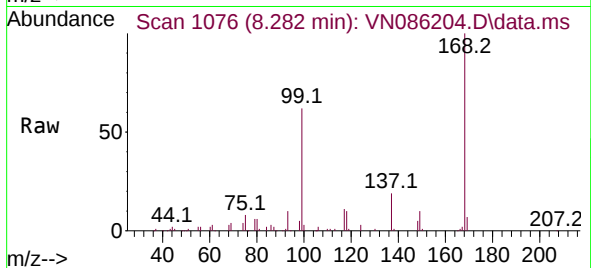
192 19.6 15.9 23.9



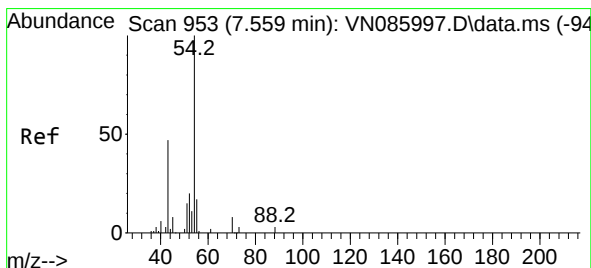
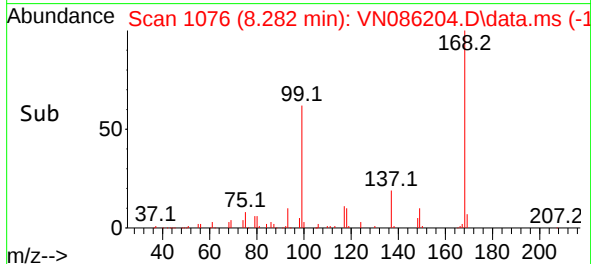
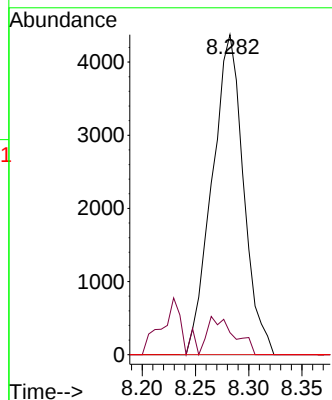


#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 8.282 min Scan# 1090
Delta R.T. -0.083 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
3809

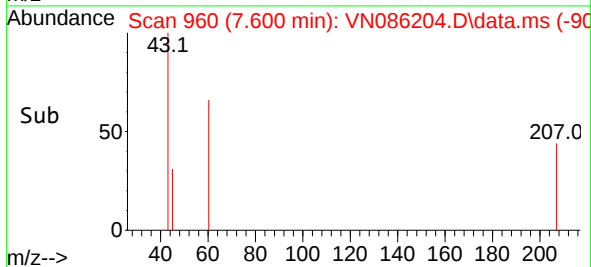
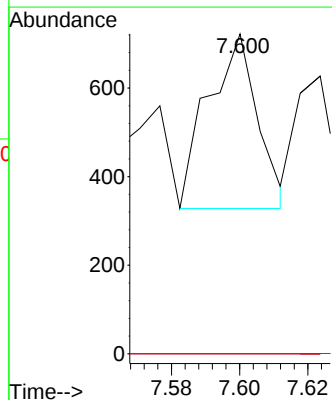
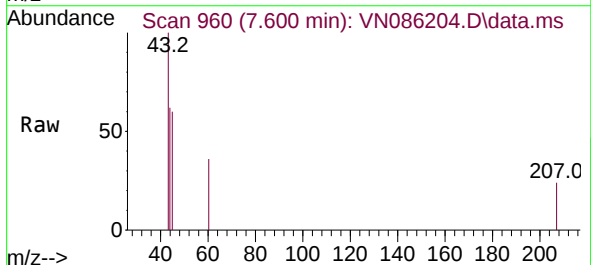


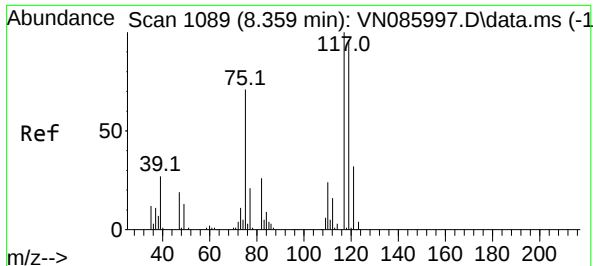
Tgt Ion: 75 Resp: 8971
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.261 ug/l
RT: 7.600 min Scan# 960
Delta R.T. 0.041 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#

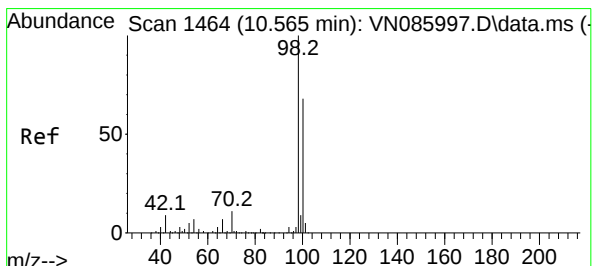
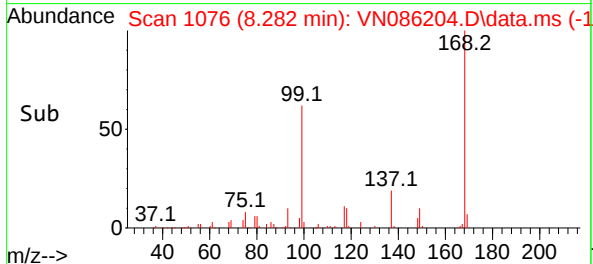
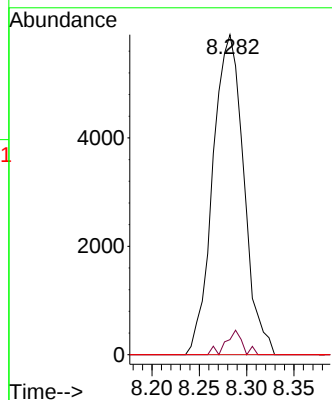
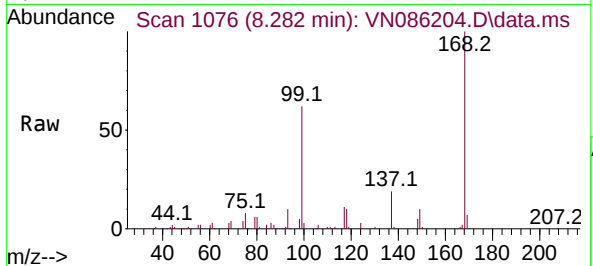




#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 8.282 min Scan# 1089
Delta R.T. -0.077 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

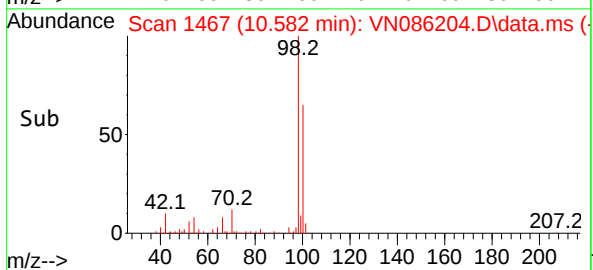
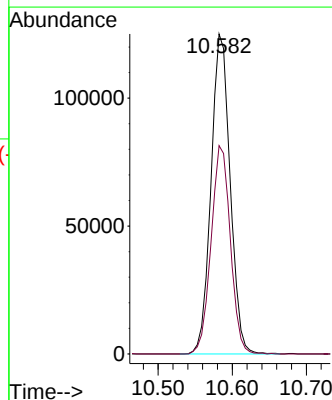
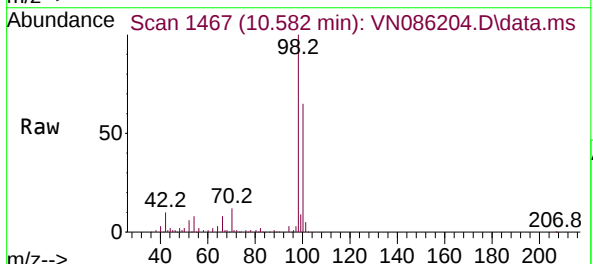
Instrument :
MSVOA_N
ClientSampleId :
3809

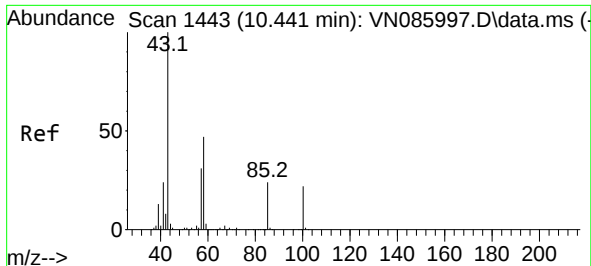
Tgt Ion:117 Resp: 13443
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.4#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 44.867 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. 0.017 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 98 Resp: 223918
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

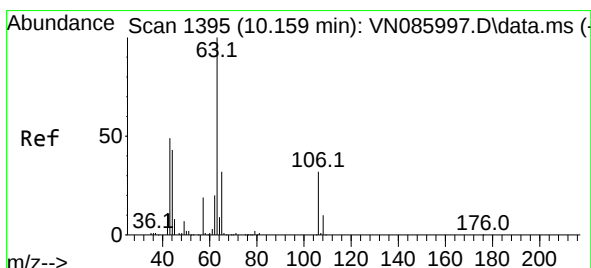
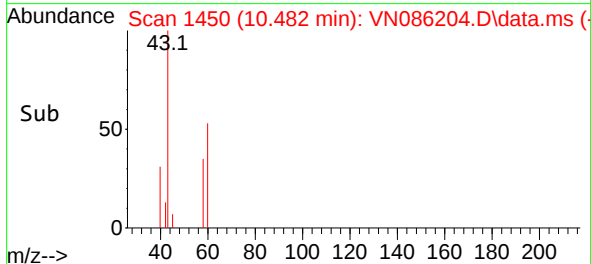
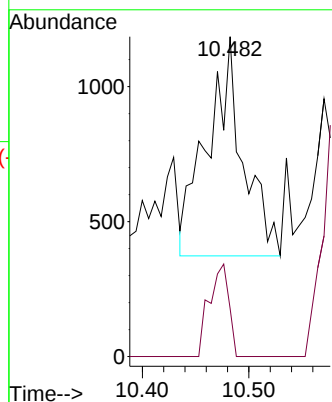
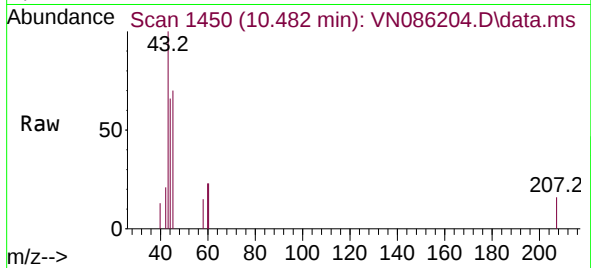




#51
4-Methyl-2-Pentanone
Concen: 1.297 ug/l
RT: 10.482 min Scan# 1443
Delta R.T. 0.041 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

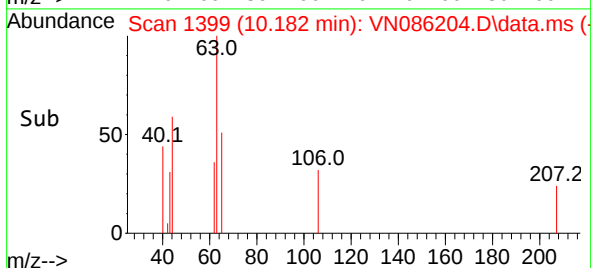
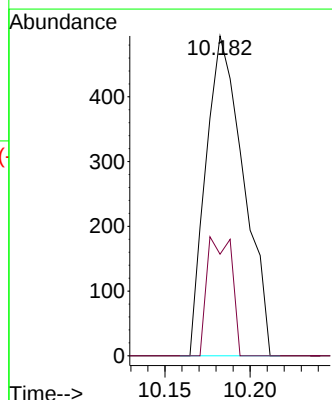
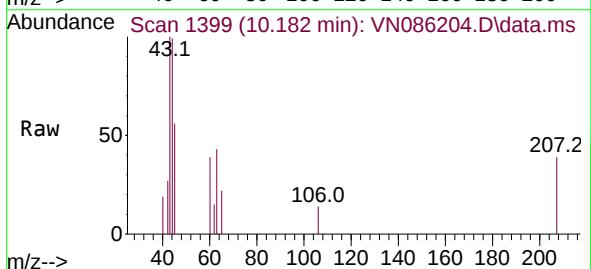
Instrument :
MSVOA_N
ClientSampleId :
3809

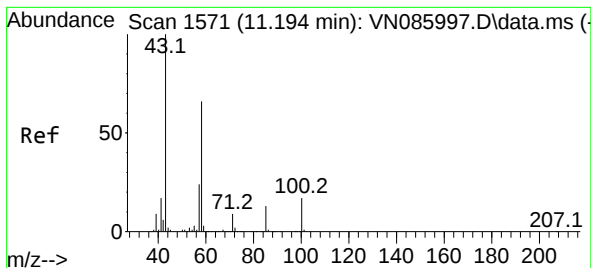
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 23.0 37.4 56.0#



#58
2-Chloroethyl Vinyl ether
Concen: 4.619 ug/l
RT: 10.182 min Scan# 1399
Delta R.T. 0.023 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 63 Resp: 760
Ion Ratio Lower Upper
63 100
106 24.2 25.0 37.6#

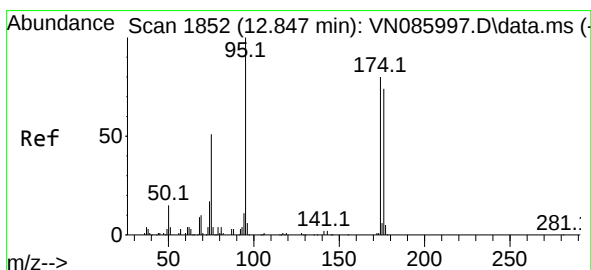
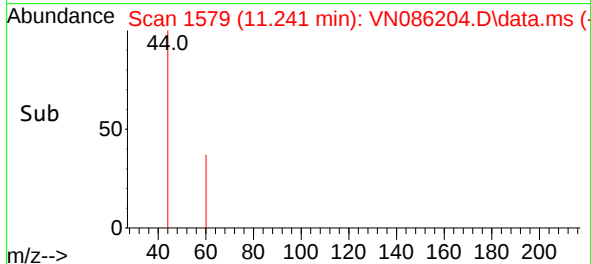
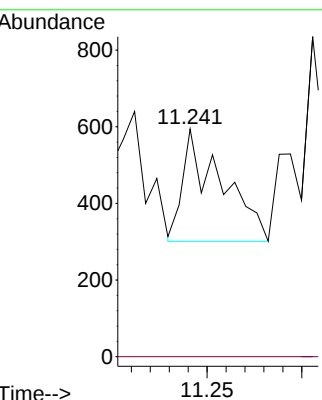
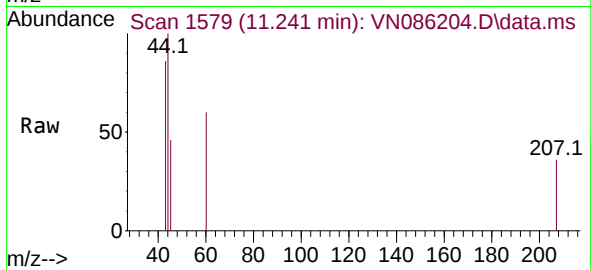




#59
2-Hexanone
Concen: 0.392 ug/l
RT: 11.241 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

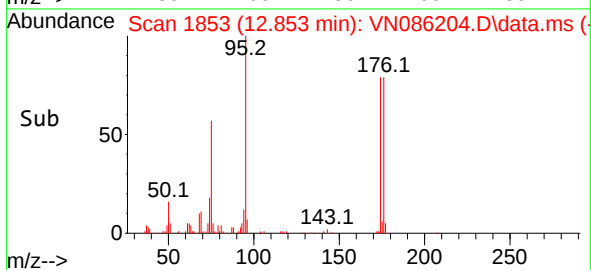
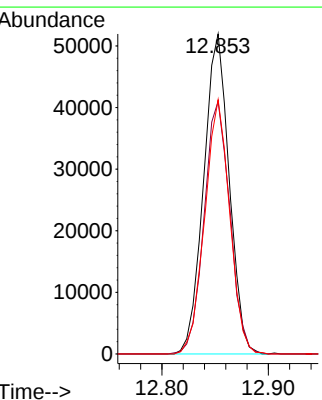
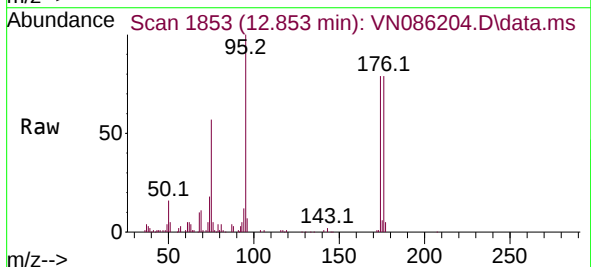
Instrument :
MSVOA_N
ClientSampleId :
3809

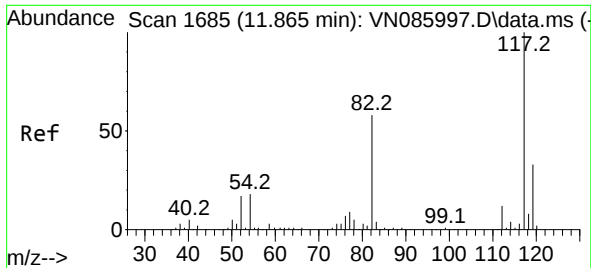
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 48.504 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 95 Resp: 86328
Ion Ratio Lower Upper
95 100
174 79.7 0.0 156.8
176 78.0 0.0 152.2

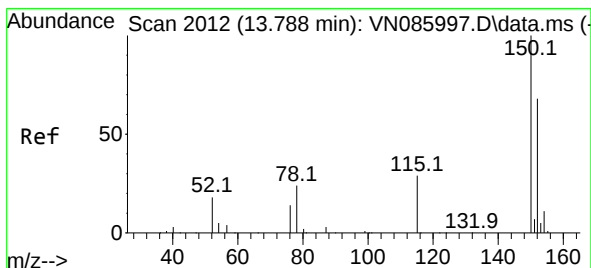
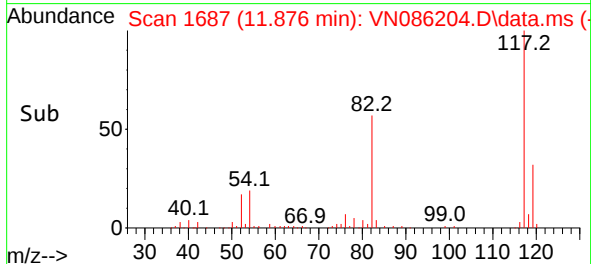
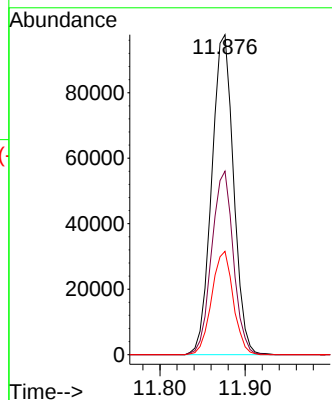
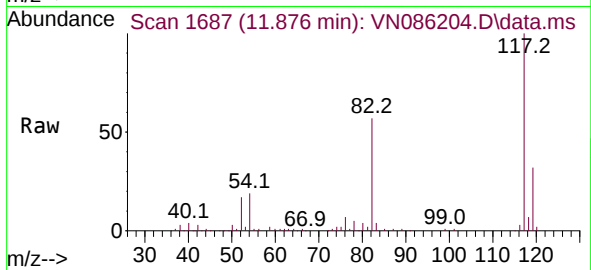




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 117
Delta R.T. 0.011 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

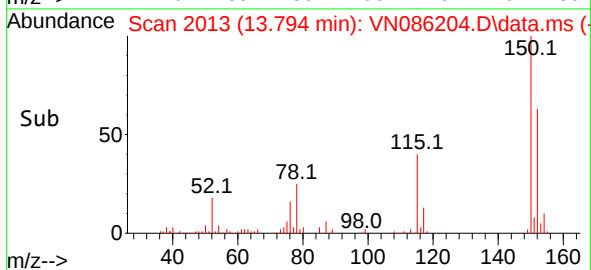
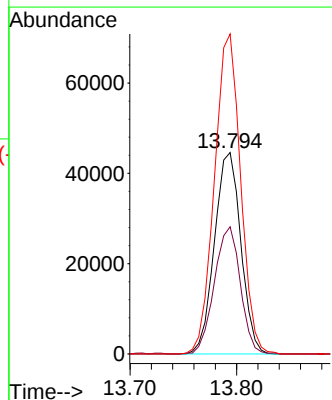
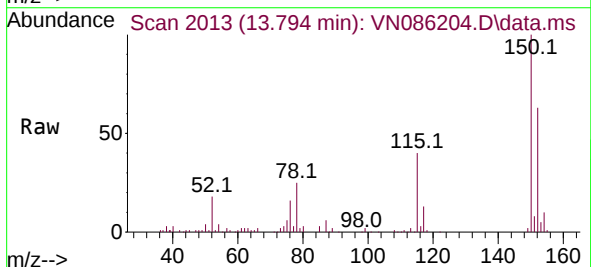
Instrument :
MSVOA_N
ClientSampleId :
3809

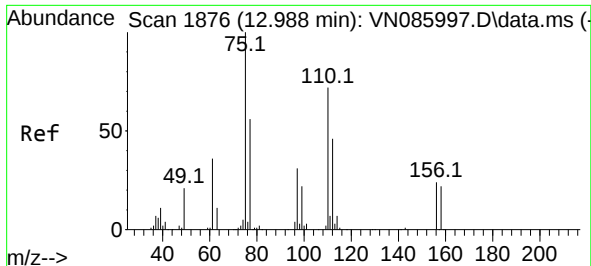
Tgt Ion:117 Resp: 174088
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion:152 Resp: 76578
Ion Ratio Lower Upper
152 100
115 62.3 31.1 93.2
150 157.5 0.0 359.6

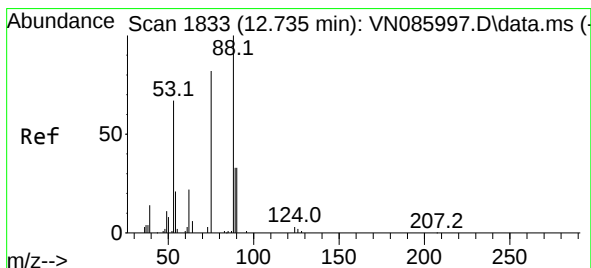
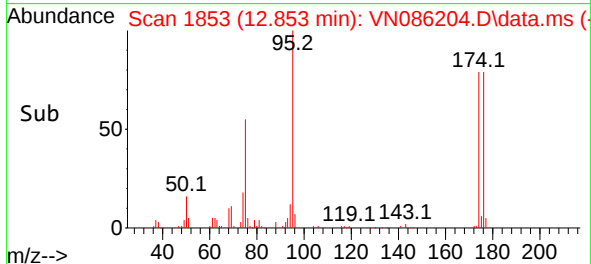
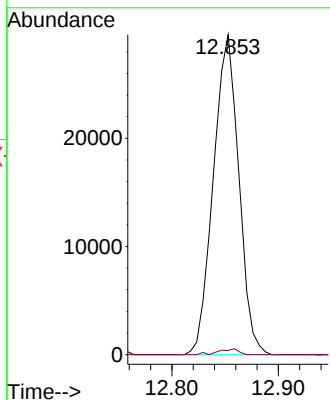
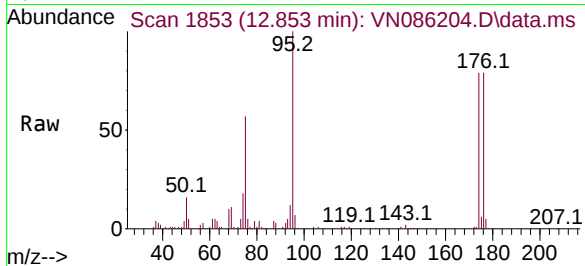




#76
1,2,3-Trichloropropane
Concen: 28.597 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.136 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

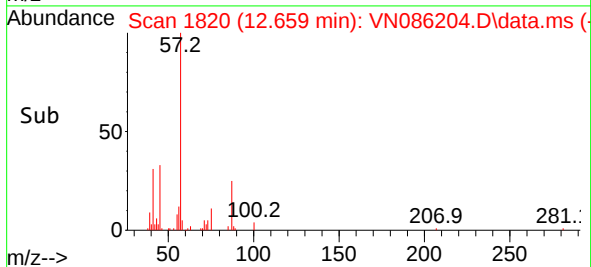
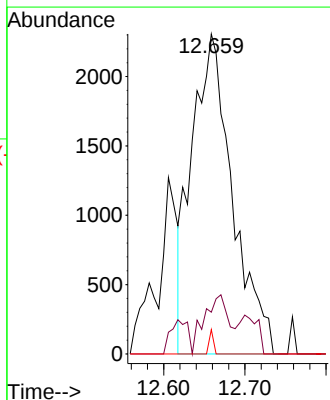
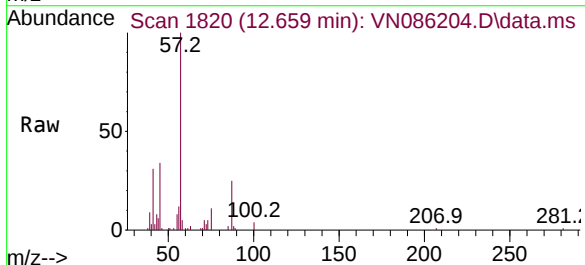
Instrument :
MSVOA_N
ClientSampleId :
3809

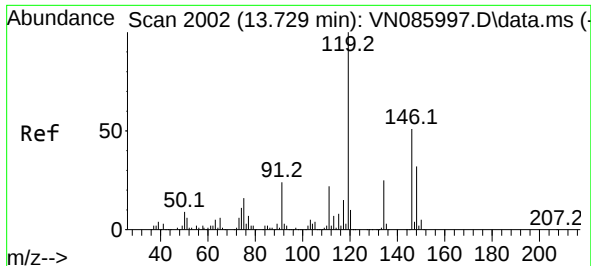
Tgt Ion: 75 Resp: 49028
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 12.398 ug/l
RT: 12.659 min Scan# 1820
Delta R.T. -0.077 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 75 Resp: 8040
Ion Ratio Lower Upper
75 100
53 11.2 66.0 99.0#
89 0.8 36.9 55.3#

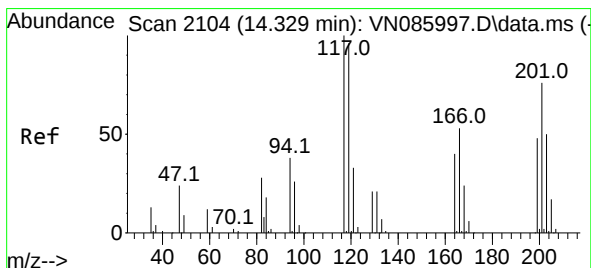
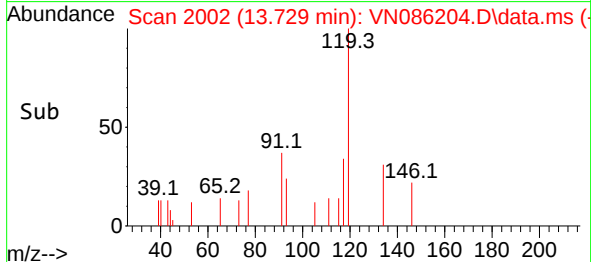
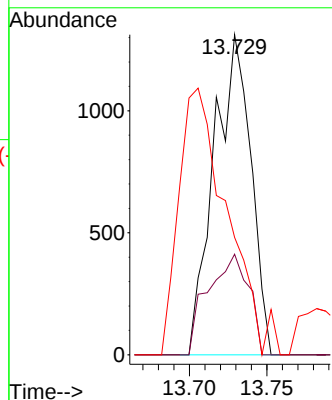
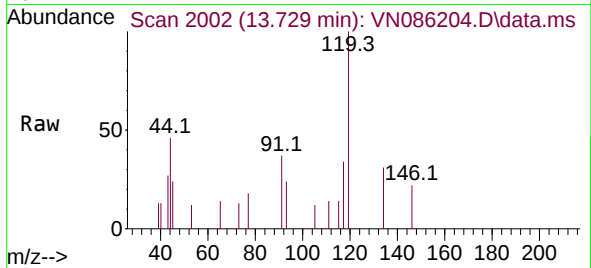




#86
p-Isopropyltoluene
Concen: 0.519 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

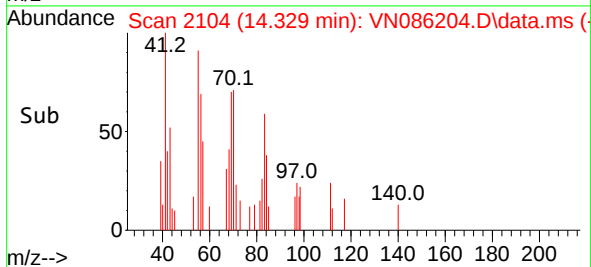
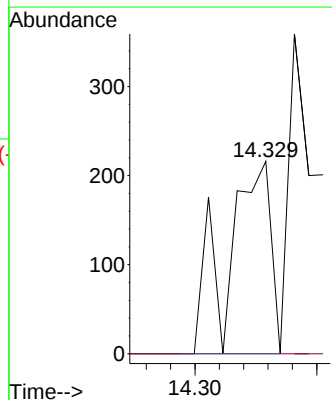
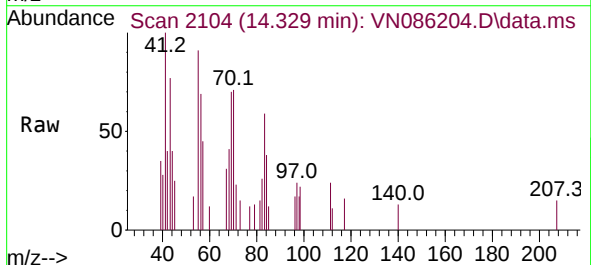
Instrument :
MSVOA_N
ClientSampleId :
3809

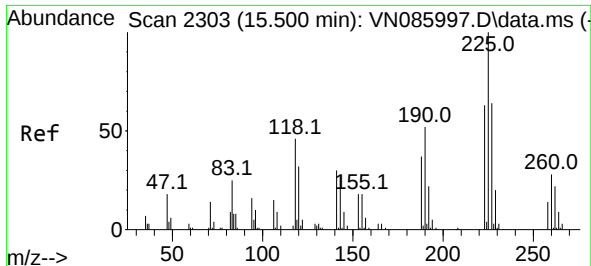
Tgt Ion	Ratio	Lower	Upper
119	100		
134	34.7	12.6	37.8
91	0.0	12.3	36.8



#90
Hexachloroethane
Concen: 0.277 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	39.1	117.3

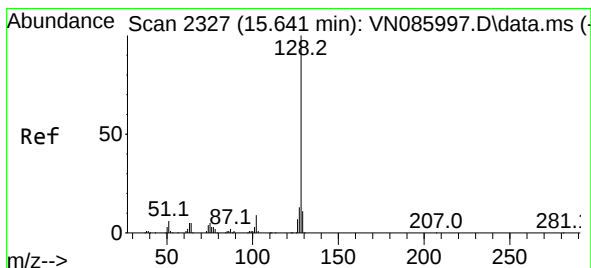
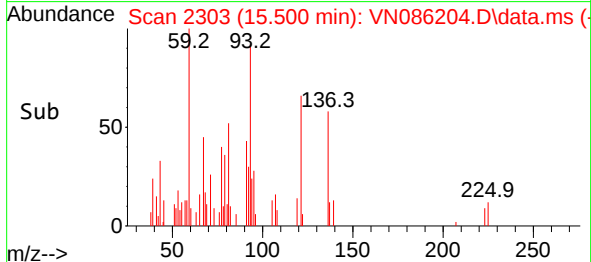
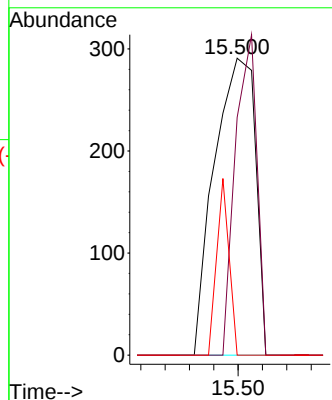
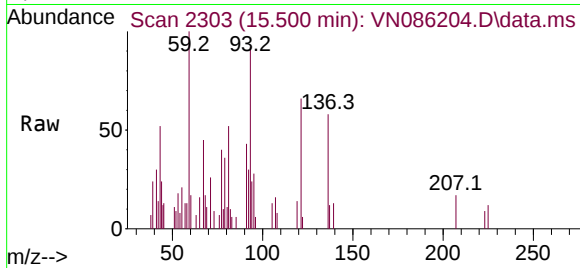




#94
Hexachlorobutadiene
Concen: 0.446 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
3809

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.8	31.3	93.9
227	17.9	32.1	96.3



#95
Naphthalene
Concen: 0.457 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.4	10.2	15.4
129	3.4	9.0	13.6

