

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086746.D
 Acq On : 21 May 2025 21:06
 Operator : JC\MD
 Sample : Q2071-19 20X
 Misc : 3.17g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L2-WC-6-VOC

Quant Time: May 22 01:33:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

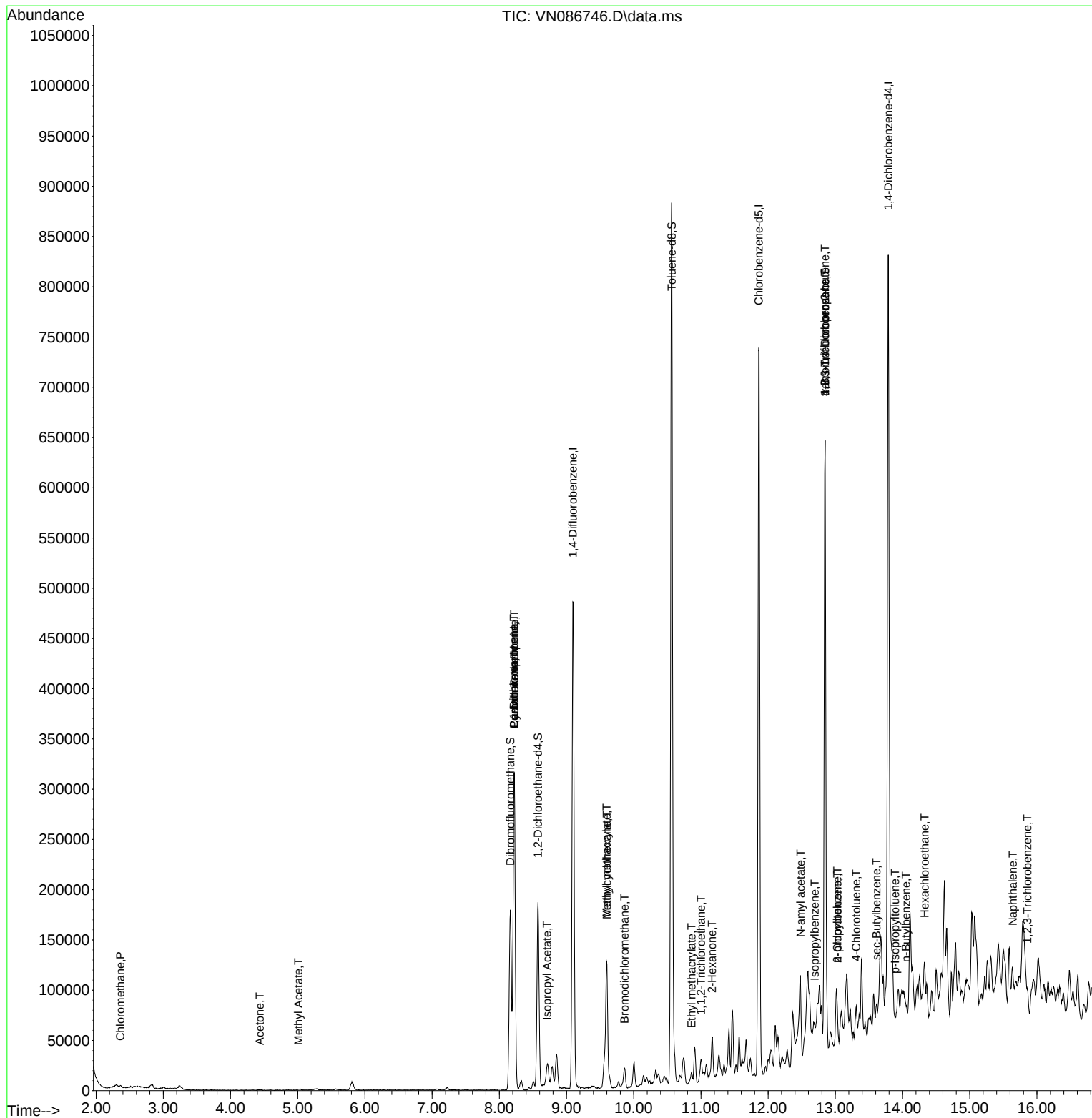
Internal Standards						
1) Pentafluorobenzene	8.224	168	250100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	461665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	462430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151589	43.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.720%		
35) Dibromofluoromethane	8.165	113	135769	49.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	10.565	98	607677	53.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.660%		
62) 4-Bromofluorobenzene	12.847	95	233849	58.127	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	116.260%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1232	0.302	ug/l #	85
16) Acetone	4.436	43	1207	0.934	ug/l #	42
18) Methyl Acetate	5.012	43	1195	0.330	ug/l	96
31) Cyclohexane	8.224	56	5303	1.022	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17937	4.423	ug/l #	49
38) Carbon Tetrachloride	8.224	117	24496	6.130	ug/l #	16
39) Methylcyclohexane	9.600	83	60986	13.894	ug/l	97
43) Isopropyl Acetate	8.712	43	3157	0.384	ug/l #	54
47) Bromodichloromethane	9.865	83	1163	0.266	ug/l #	26
48) Methyl methacrylate	9.594	41	26158	8.220	ug/l #	82
55) 1,1,2-Trichloroethane	11.000	97	8301	2.706	ug/l #	19
56) Ethyl methacrylate	10.859	69	3437	0.698	ug/l #	77
59) 2-Hexanone	11.165	43	14944	4.941	ug/l #	26
73) Isopropylbenzene	12.694	105	6496	0.393	ug/l	90
74) N-amyl acetate	12.482	43	13967	2.021	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	105520	21.783	ug/l #	1
78) n-propylbenzene	13.029	91	11247	0.592	ug/l #	45
79) 2-Chlorotoluene	13.029	91	11247	0.911	ug/l #	62
81) trans-1,4-Dichloro-2-b...	12.847	75	105520	54.972	ug/l #	15
82) 4-Chlorotoluene	13.312	91	3167	0.259	ug/l #	69
85) sec-Butylbenzene	13.612	105	6437	0.415	ug/l	80
86) p-Isopropyltoluene	13.888	119	4619	0.364	ug/l	84
89) n-Butylbenzene	14.053	91	4576	0.435	ug/l #	72
90) Hexachloroethane	14.329	117	2066	0.980	ug/l #	18
95) Naphthalene	15.641	128	45128	4.492	ug/l	97
96) 1,2,3-Trichlorobenzene	15.859	180	895	0.316	ug/l #	37

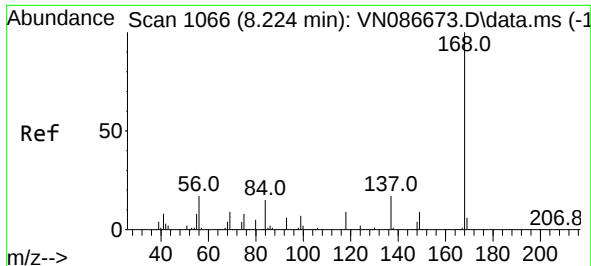
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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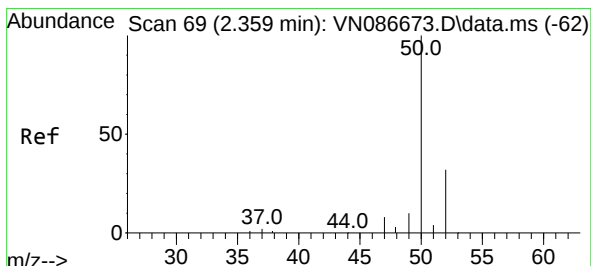
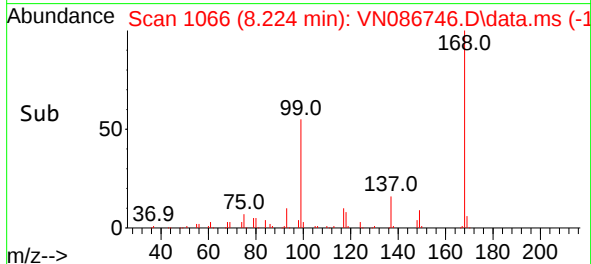
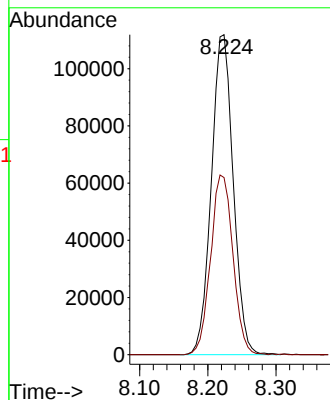
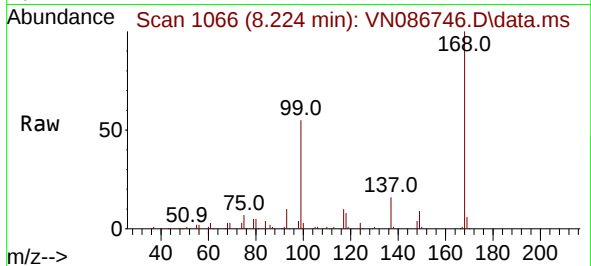




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

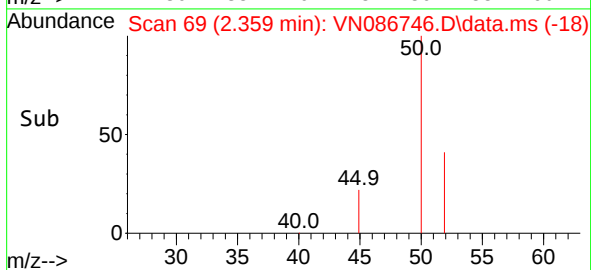
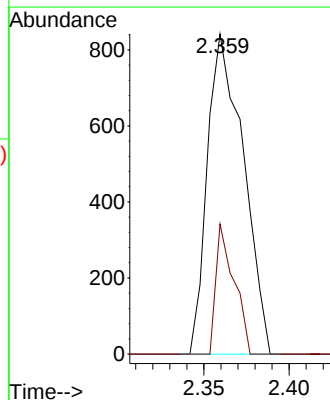
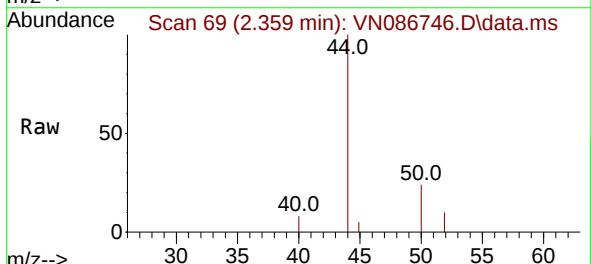
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

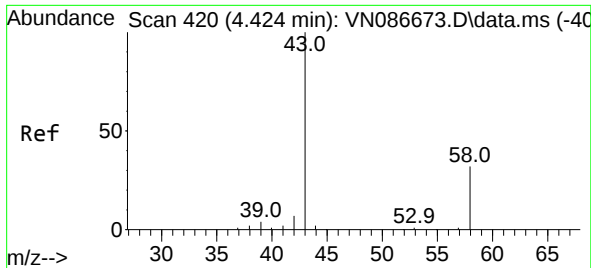
Tgt Ion:168 Resp: 250100
Ion Ratio Lower Upper
168 100
99 55.4 47.0 70.4



#3
Chloromethane
Concen: 0.302 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 50 Resp: 1232
Ion Ratio Lower Upper
50 100
52 40.6 25.9 38.9#

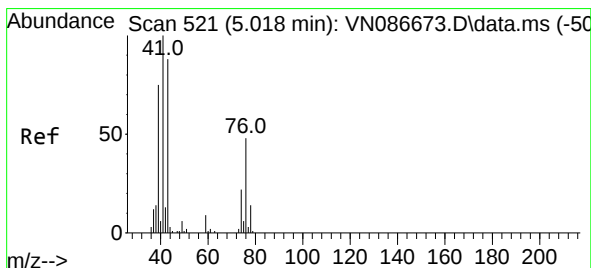
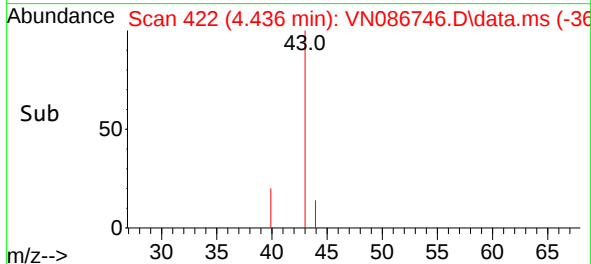
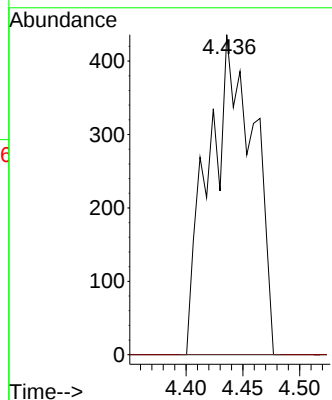
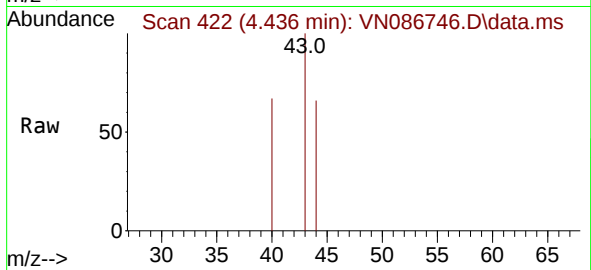




#16
Acetone
Concen: 0.934 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

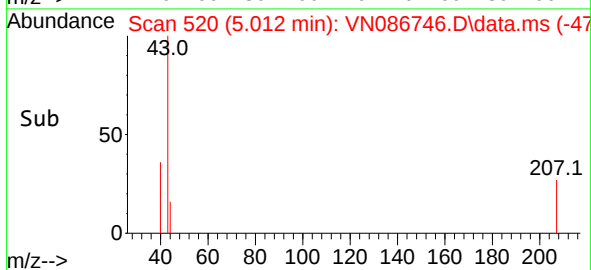
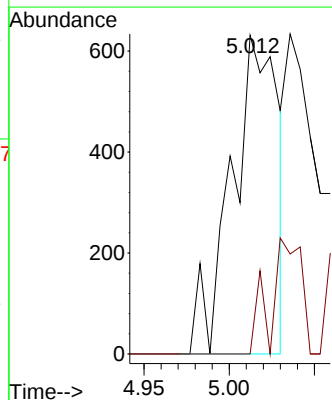
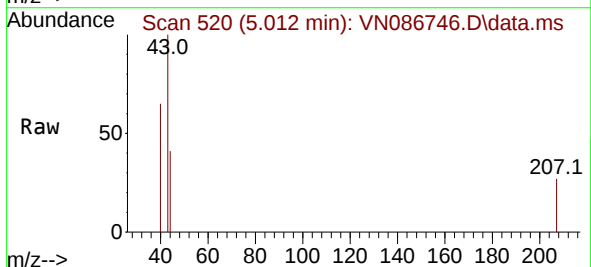
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

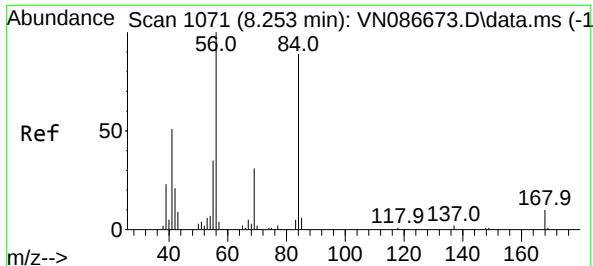
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#18
Methyl Acetate
Concen: 0.330 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

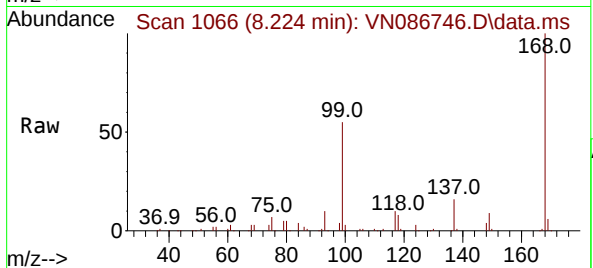
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
74 23.8 20.5 30.7



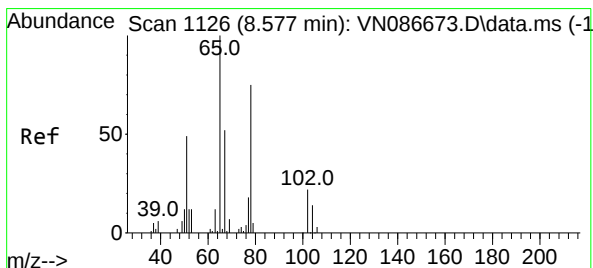
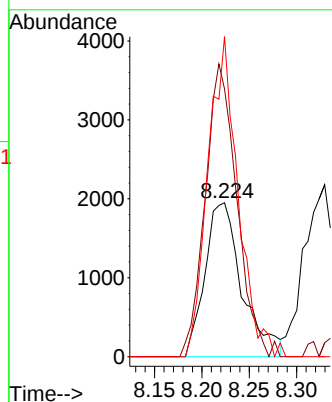
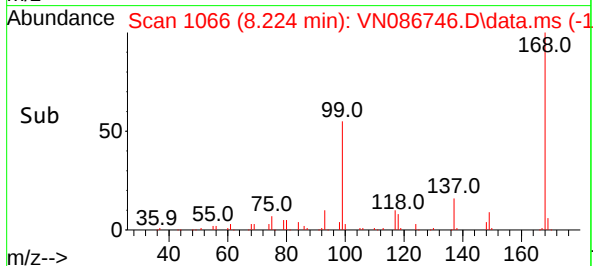


#31
Cyclohexane
Concen: 1.022 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

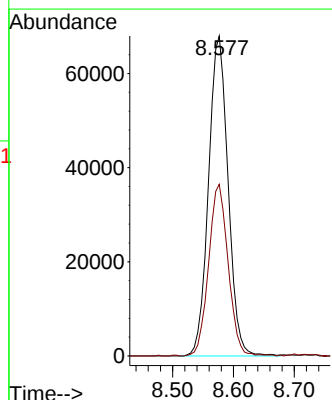
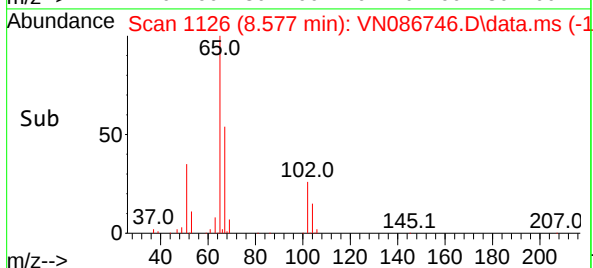
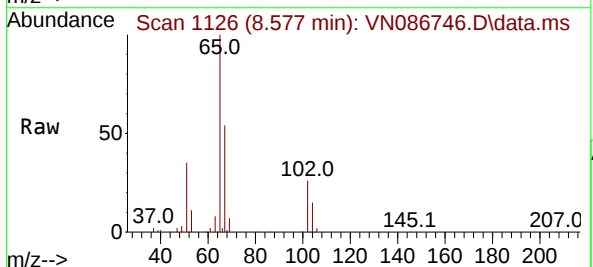


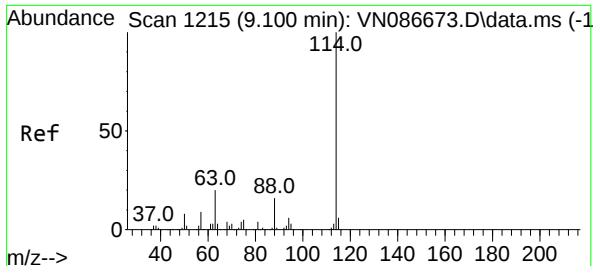
Tgt Ion: 56 Resp: 5303
Ion Ratio Lower Upper
56 100
69 174.0 25.0 37.6#
84 207.9 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 43.864 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 65 Resp: 151589
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.4

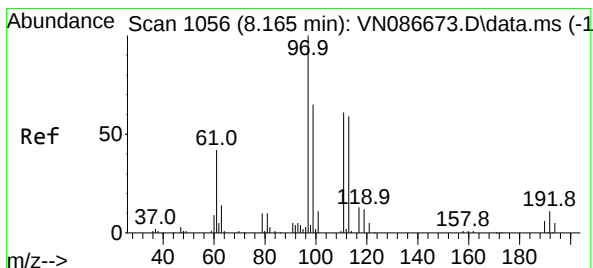
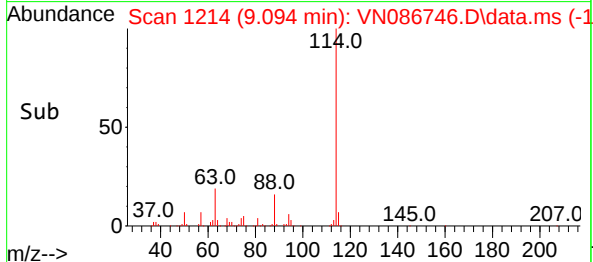
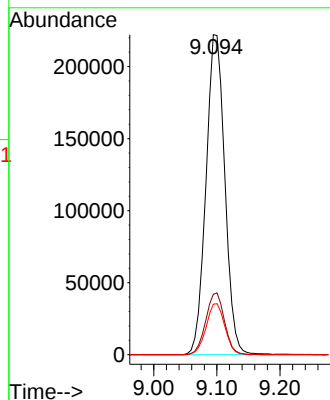
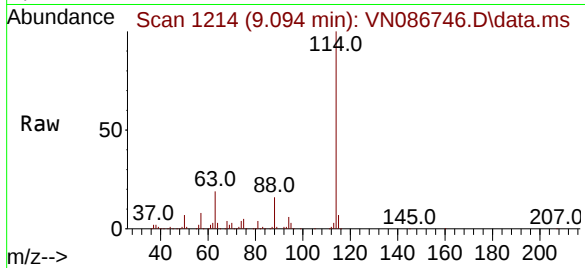




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

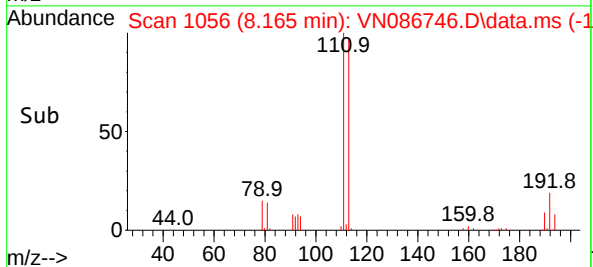
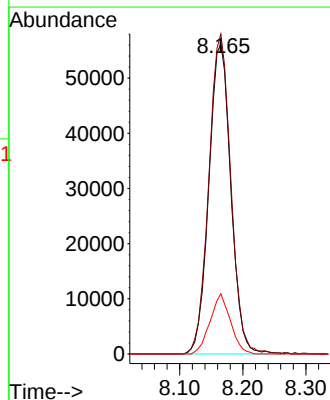
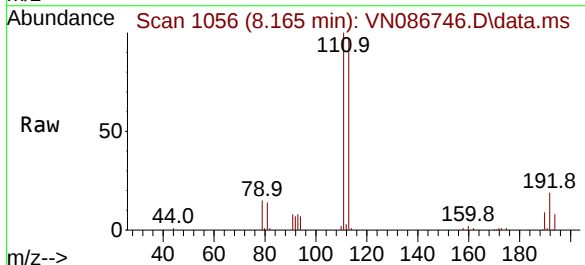
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

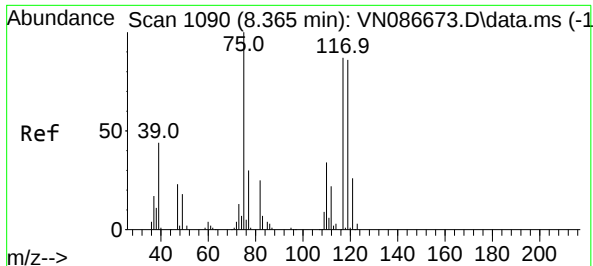
Tgt Ion:114 Resp: 461665
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.2
88 15.8 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.381 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion:113 Resp: 135769
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.0 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.423 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086746.D

Acq: 21 May 2025 21:06

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-6-VOC

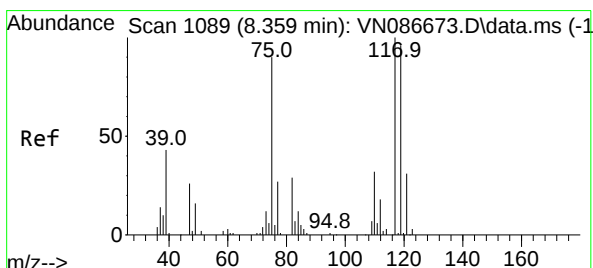
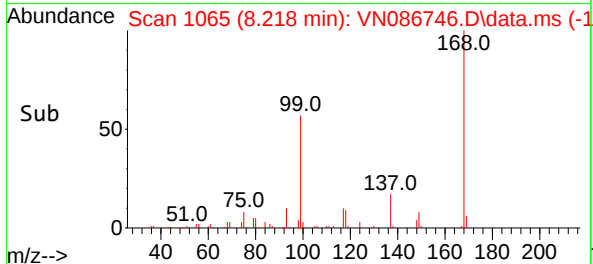
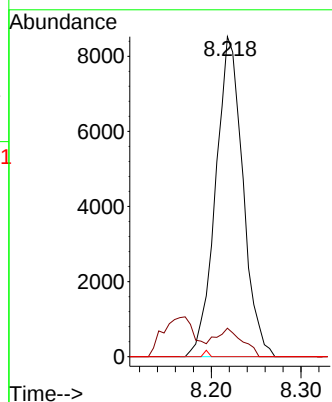
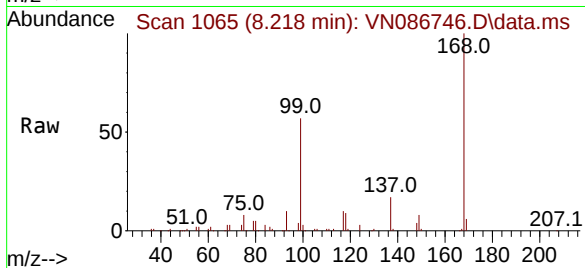
Tgt Ion: 75 Resp: 17937

Ion Ratio Lower Upper

75 100

110 8.8 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.130 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086746.D

Acq: 21 May 2025 21:06

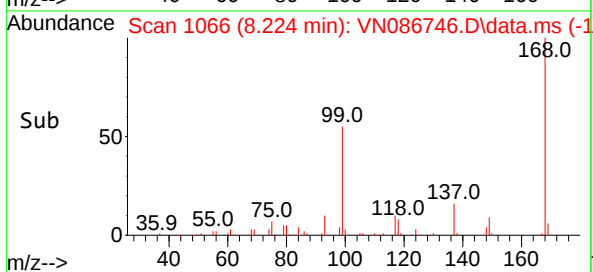
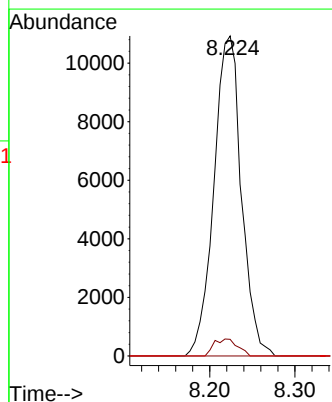
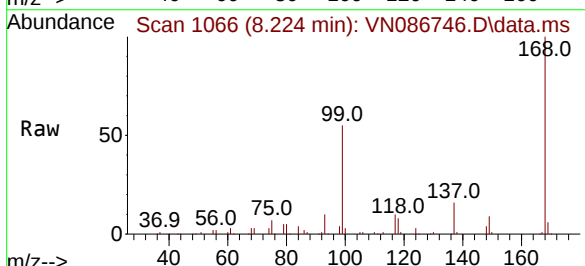
Tgt Ion: 117 Resp: 24496

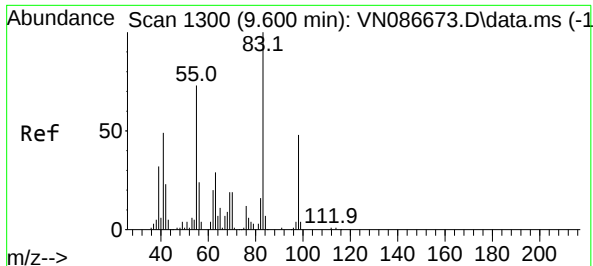
Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.0 25.0 37.6#

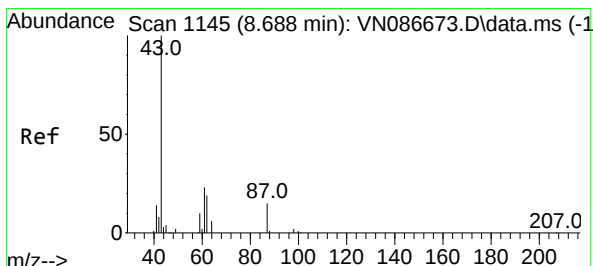
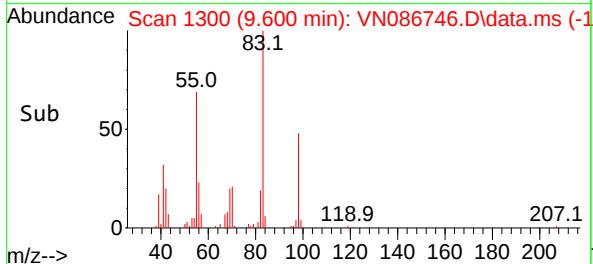
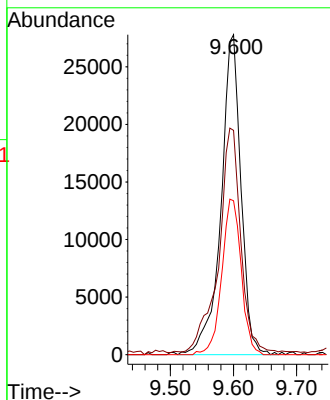
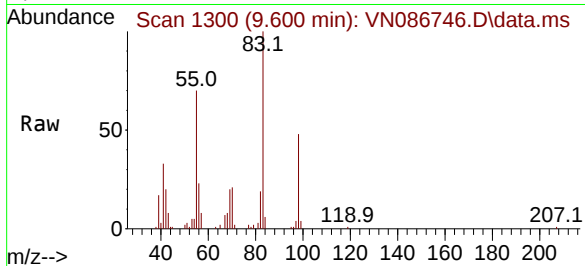




#39
Methylcyclohexane
Concen: 13.894 ug/l
RT: 9.600 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

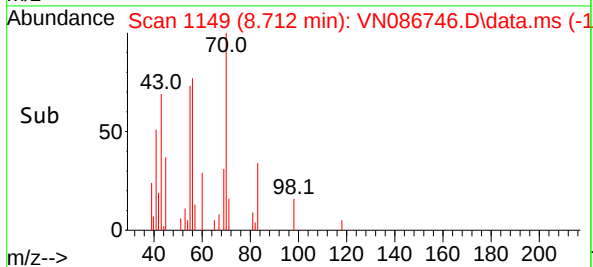
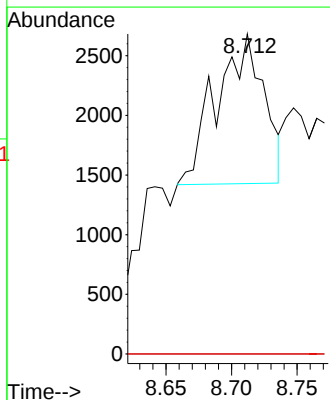
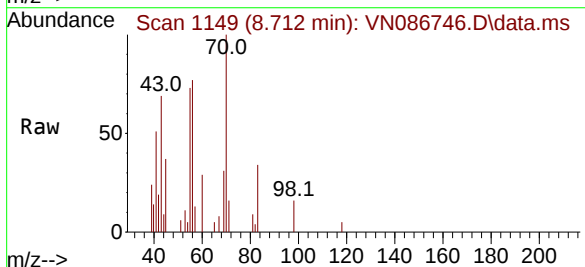
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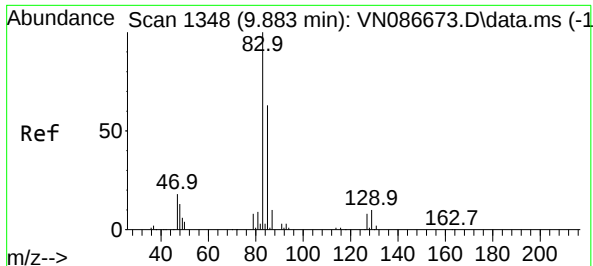
Tgt Ion:	83	Resp:	60986
Ion	Ratio	Lower	Upper
83	100		
55	69.2	58.2	87.4
98	48.1	38.4	57.6



#43
Isopropyl Acetate
Concen: 0.384 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion:	43	Resp:	3157
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.2#
87	0.0	11.1	16.7#

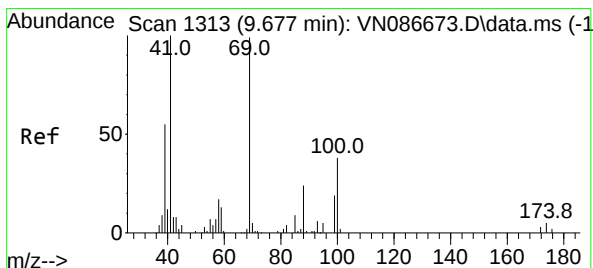
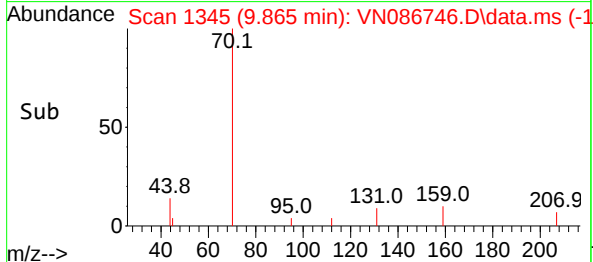
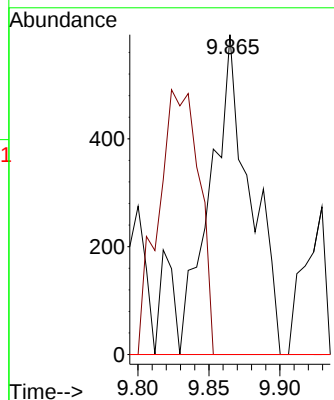
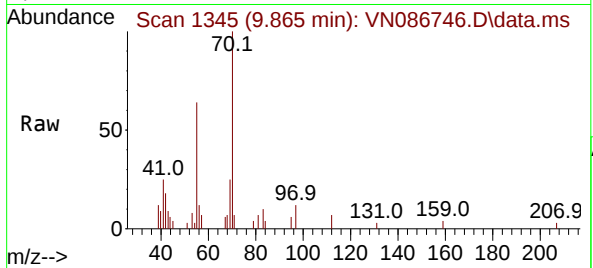




#47
Bromodichloromethane
Concen: 0.266 ug/l
RT: 9.865 min Scan# 1163
Delta R.T. -0.018 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

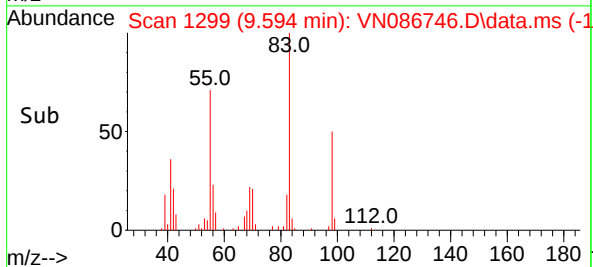
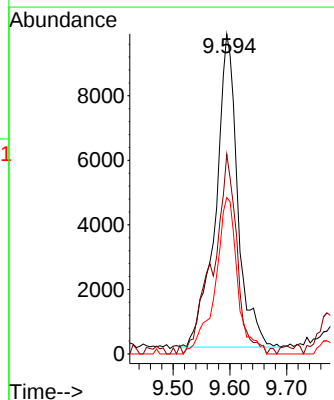
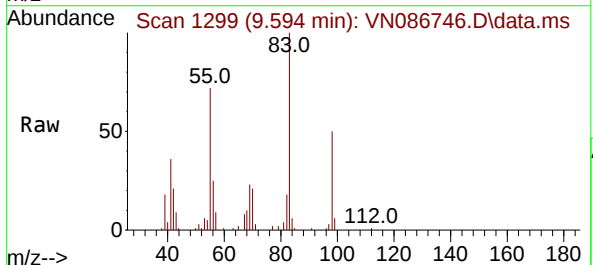
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

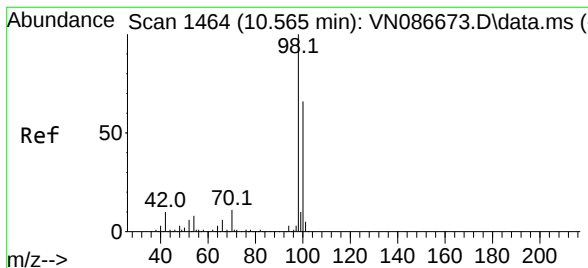
Tgt Ion: 83 Resp: 1163
Ion Ratio Lower Upper
83 100
85 0.0 50.1 75.1#
127 0.0 6.2 9.4#



#48
Methyl methacrylate
Concen: 8.220 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.082 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 41 Resp: 26158
Ion Ratio Lower Upper
41 100
69 68.9 74.1 111.1#
39 50.6 44.1 66.1

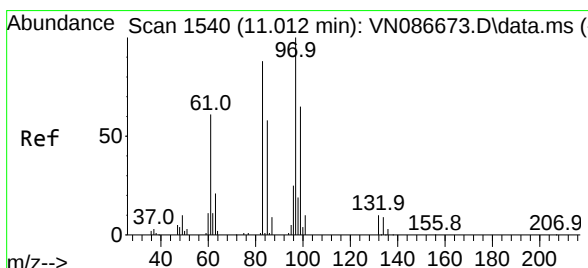
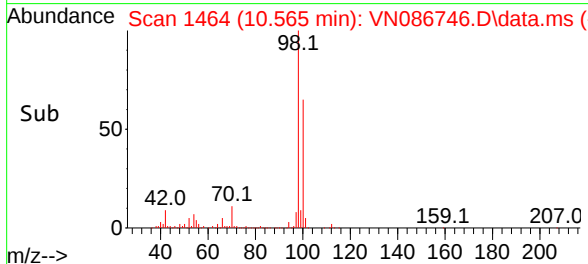
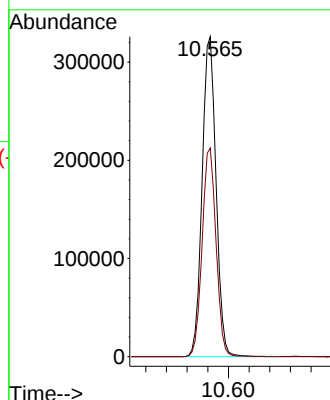
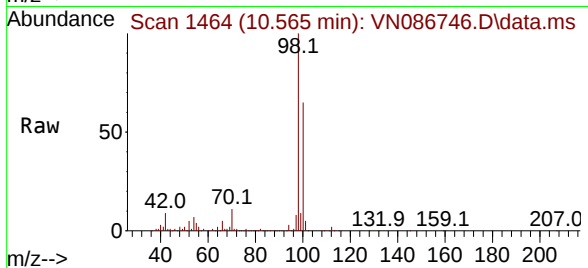




#50
Toluene-d8
Concen: 53.335 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

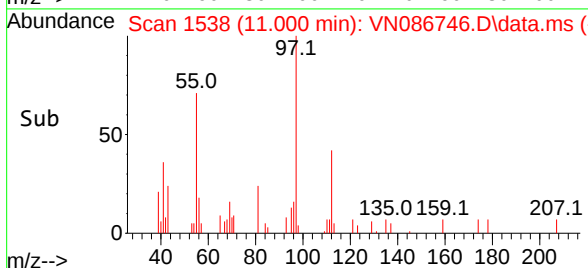
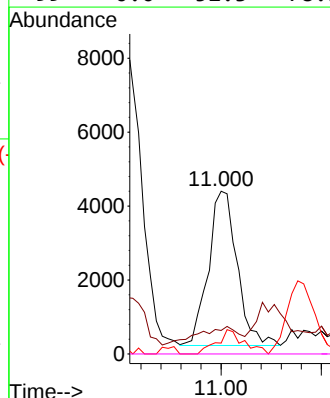
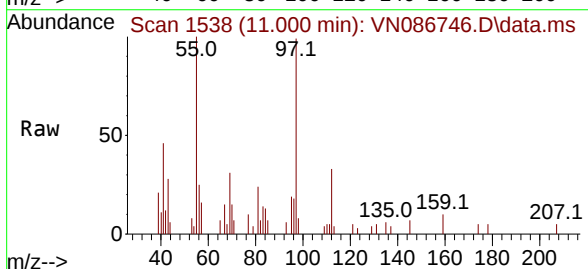
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

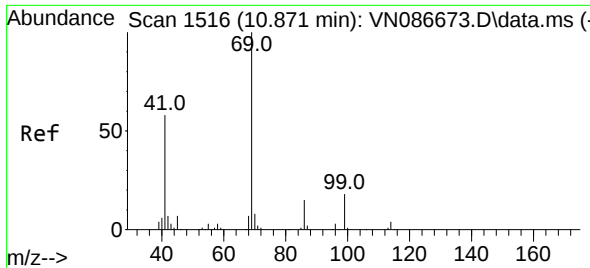
Tgt Ion: 98 Resp: 607677
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#55
1,1,2-Trichloroethane
Concen: 2.706 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 97 Resp: 8301
Ion Ratio Lower Upper
97 100
83 6.0 70.4 105.6#
85 7.1 46.1 69.1#
99 0.0 52.3 78.5#

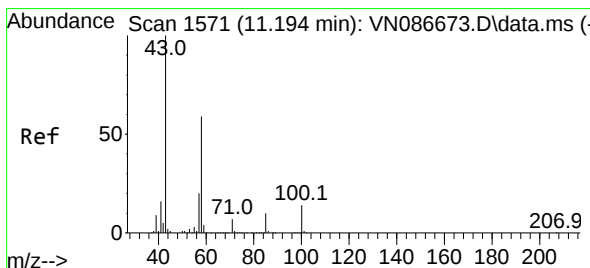
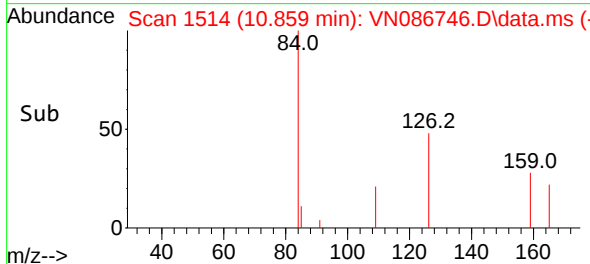
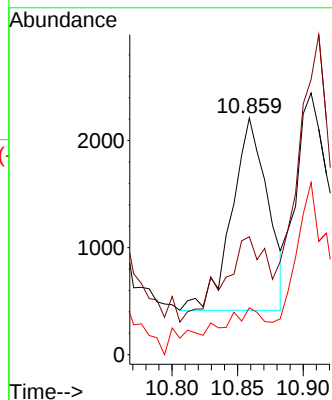
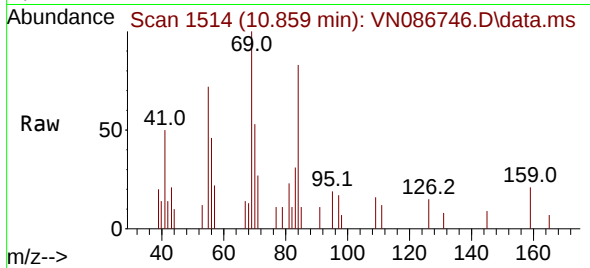




#56
Ethyl methacrylate
Concen: 0.698 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.012 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

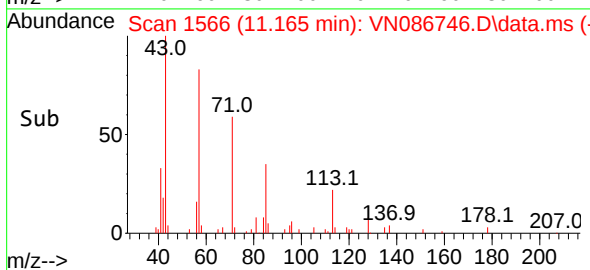
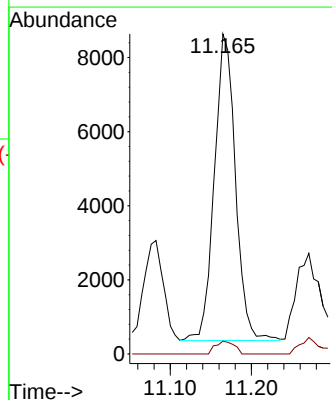
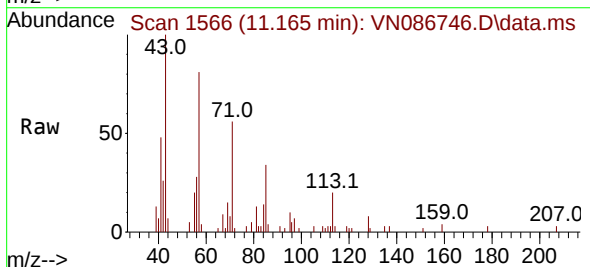
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

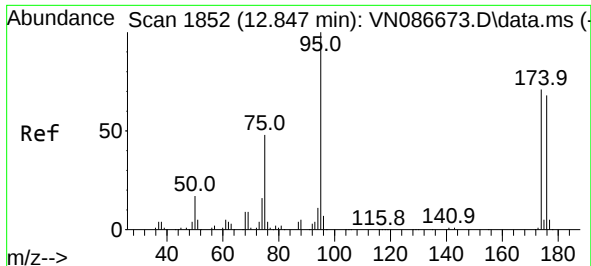
Tgt Ion: 69 Resp: 3437
Ion Ratio Lower Upper
69 100
41 41.1 47.4 71.0#
39 40.8 24.0 36.0#



#59
2-Hexanone
Concen: 4.941 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 43 Resp: 14944
Ion Ratio Lower Upper
43 100
58 3.7 29.8 89.5#

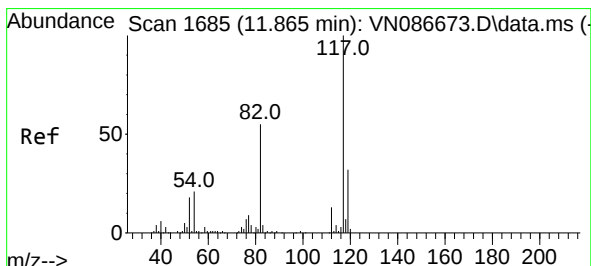
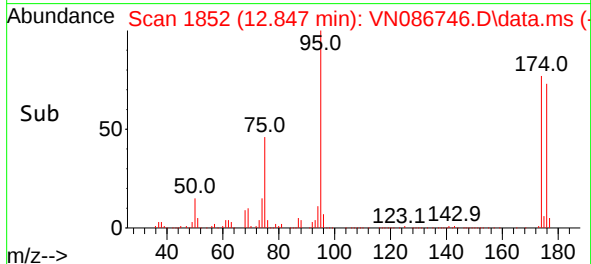
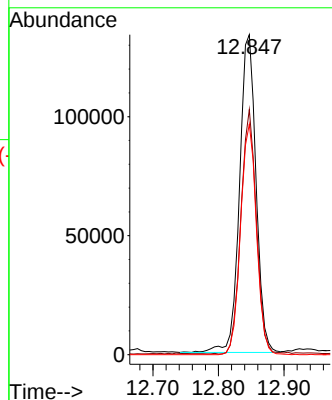
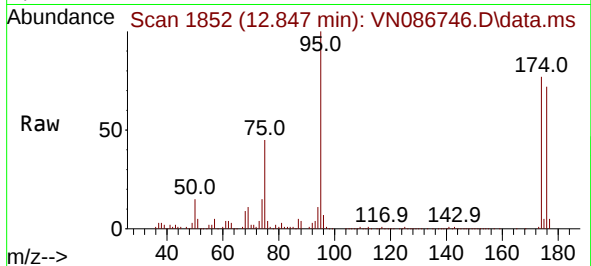




#62
4-Bromofluorobenzene
Concen: 58.127 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

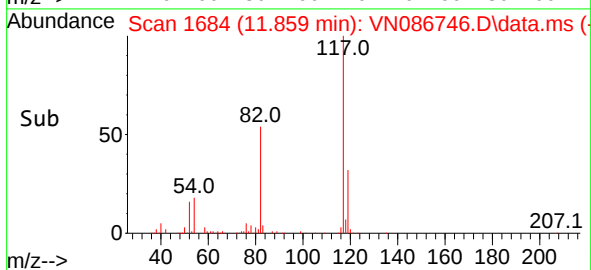
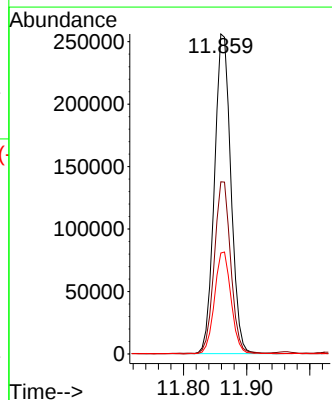
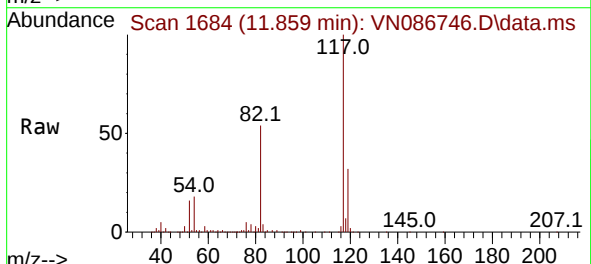
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

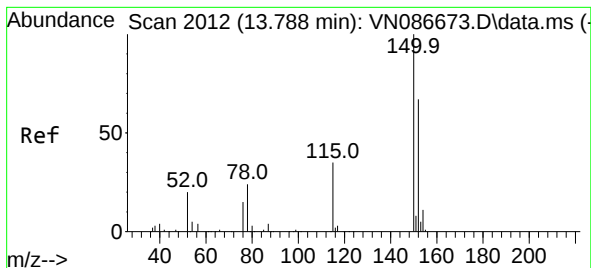
Tgt Ion: 95 Resp: 233849
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.4
176 70.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 117 Resp: 462430
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.5 25.4 38.2

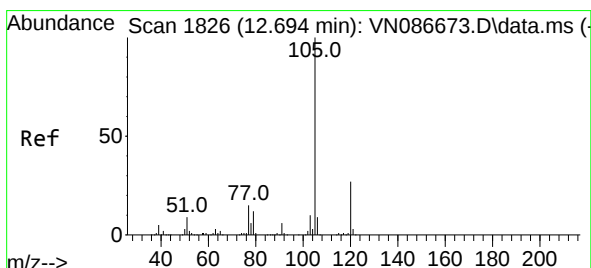
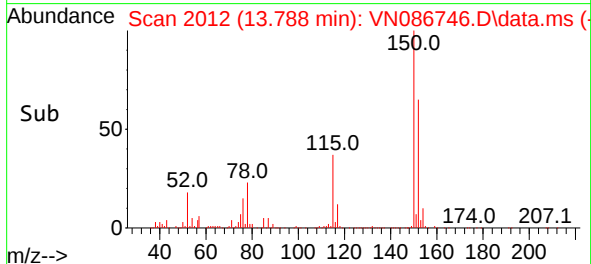
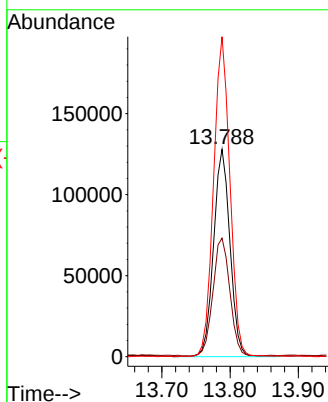
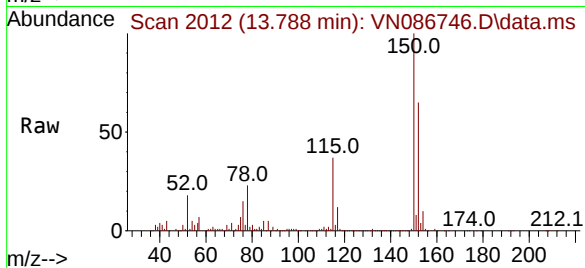




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086746.D
 Acq: 21 May 2025 21:06

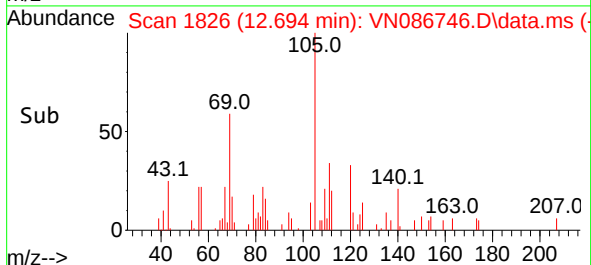
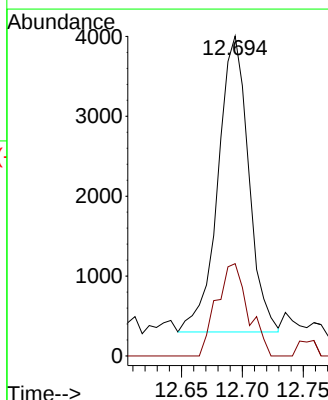
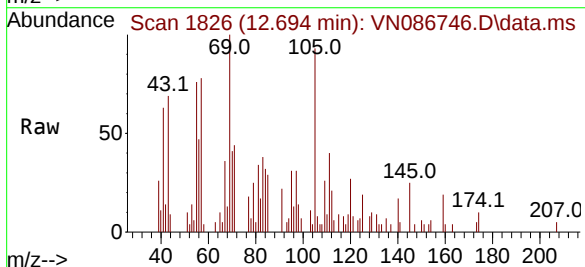
Instrument :
 MSVOA_N
 ClientSampleId :
 L2-WC-6-VOC

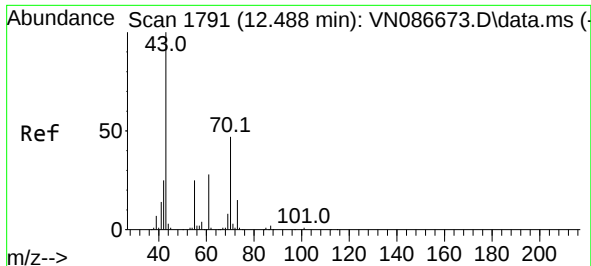
Tgt Ion:152 Resp: 214195
 Ion Ratio Lower Upper
 152 100
 115 58.9 30.0 90.1
 150 153.8 0.0 347.8



#73
 Isopropylbenzene
 Concen: 0.393 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN086746.D
 Acq: 21 May 2025 21:06

Tgt Ion:105 Resp: 6496
 Ion Ratio Lower Upper
 105 100
 120 31.9 13.4 40.1

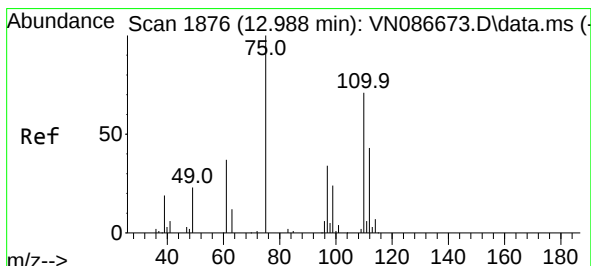
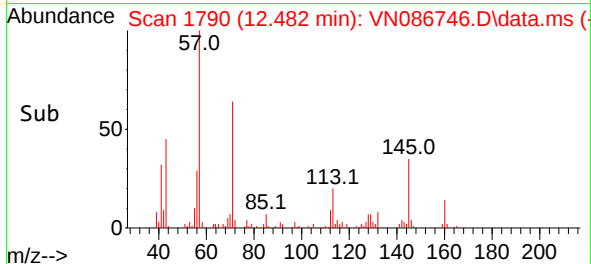
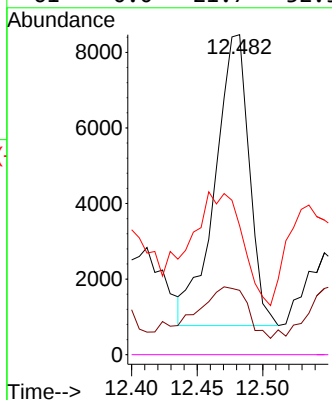
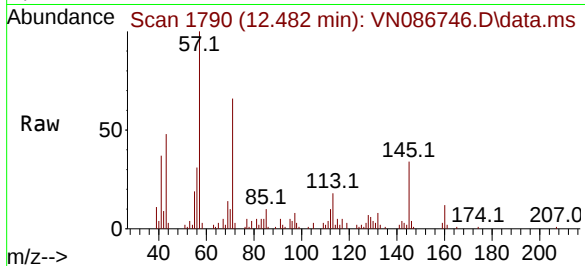




#74
N-amy1 acetate
Concen: 2.021 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

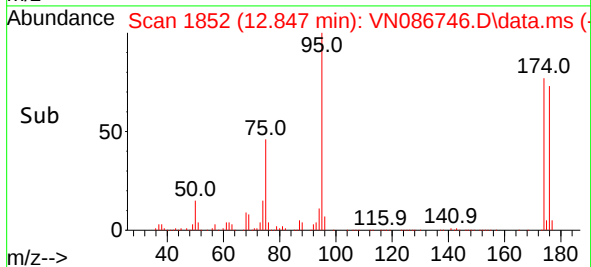
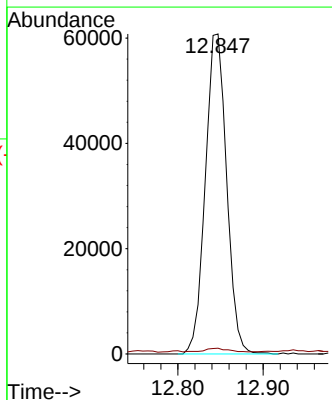
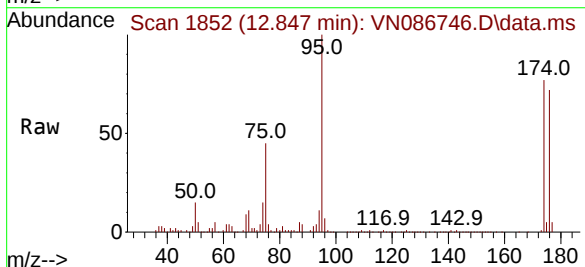
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

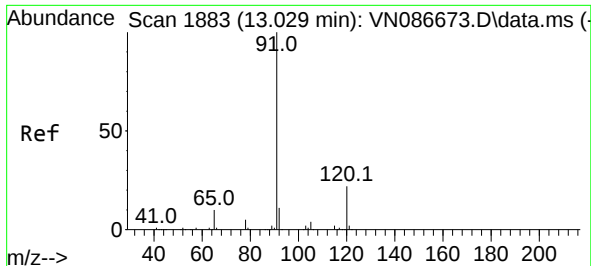
Tgt Ion:	43	Resp:	13967
Ion	Ratio	Lower	Upper
43	100		
70	27.3	37.9	56.9#
55	0.0	20.5	30.7#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 21.783 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion:	75	Resp:	105520
Ion	Ratio	Lower	Upper
75	100		
77	1.2	96.0	288.1#

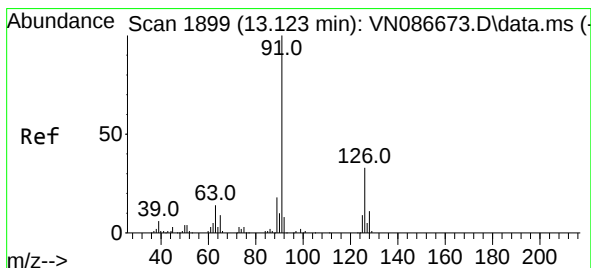
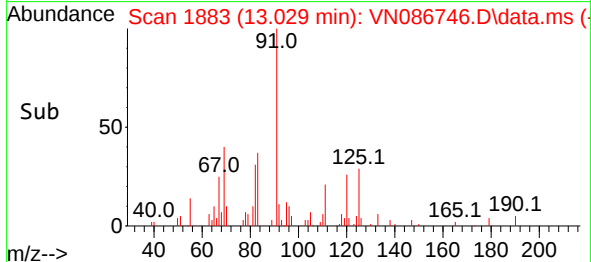
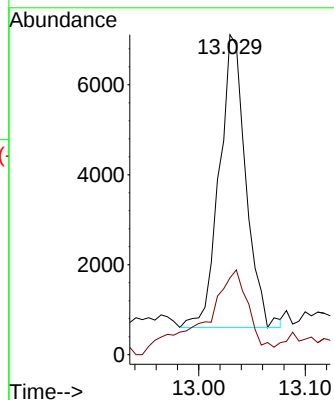
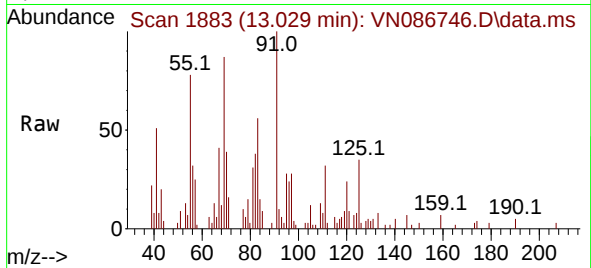




#78
n-propylbenzene
Concen: 0.592 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

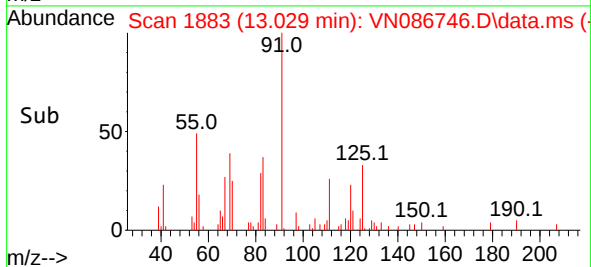
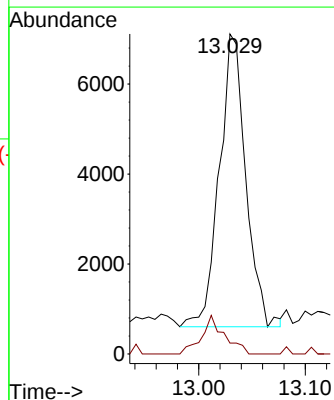
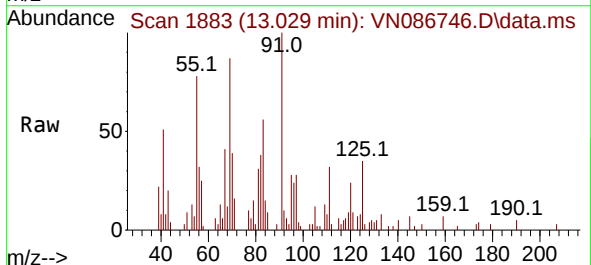
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

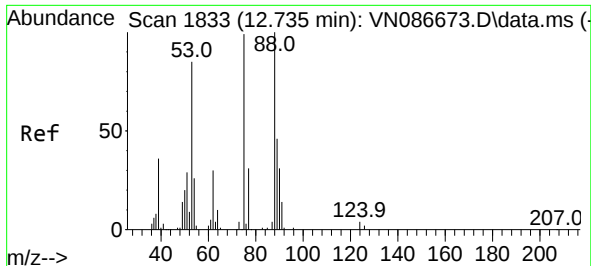
Tgt Ion: 91 Resp: 11247
Ion Ratio Lower Upper
91 100
120 49.2 11.4 34.1#



#79
2-Chlorotoluene
Concen: 0.911 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.094 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 91 Resp: 11247
Ion Ratio Lower Upper
91 100
126 11.3 16.6 49.7#

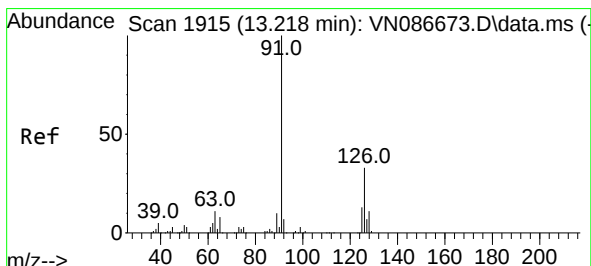
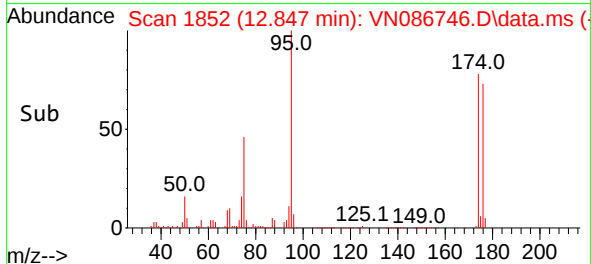
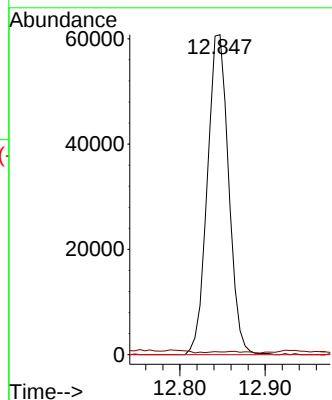
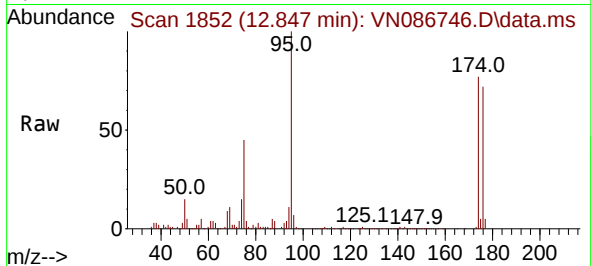




#81
trans-1,4-Dichloro-2-butene
Concen: 54.972 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

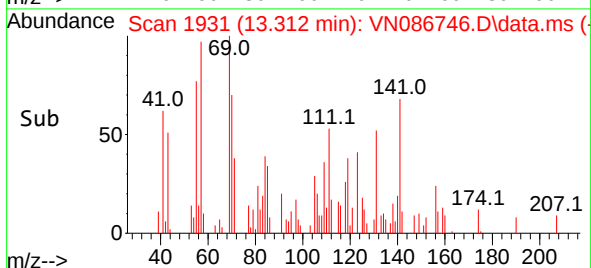
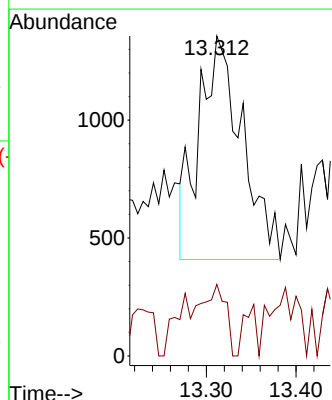
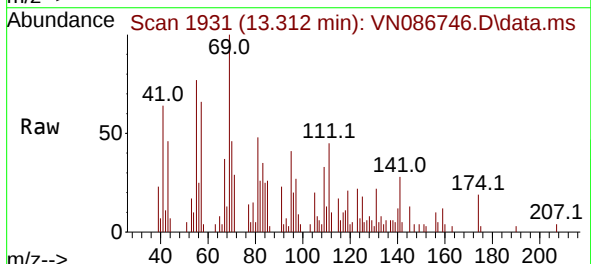
Instrument :
MSVOA_N
ClientSampleId :
L2-WC-6-VOC

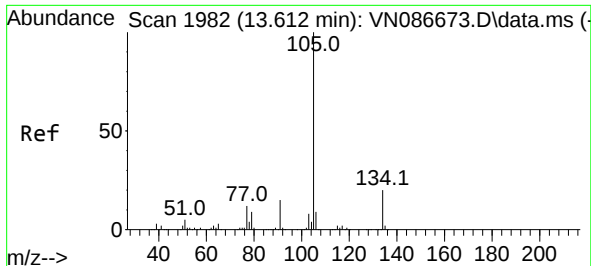
Tgt Ion: 75 Resp: 105520
Ion Ratio Lower Upper
75 100
53 0.1 70.4 105.6#
89 0.0 32.4 48.6#



#82
4-Chlorotoluene
Concen: 0.259 ug/l
RT: 13.312 min Scan# 1931
Delta R.T. 0.094 min
Lab File: VN086746.D
Acq: 21 May 2025 21:06

Tgt Ion: 91 Resp: 3167
Ion Ratio Lower Upper
91 100
126 16.2 17.0 50.9#

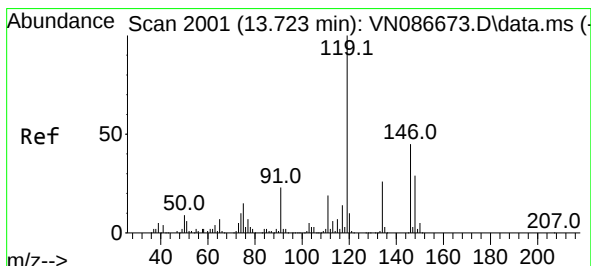
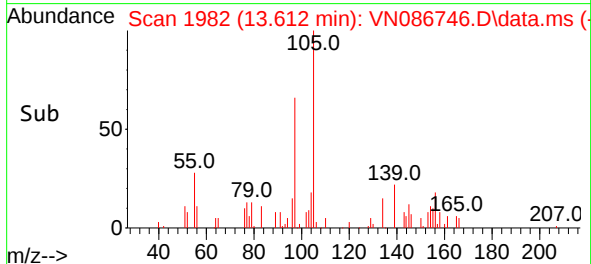
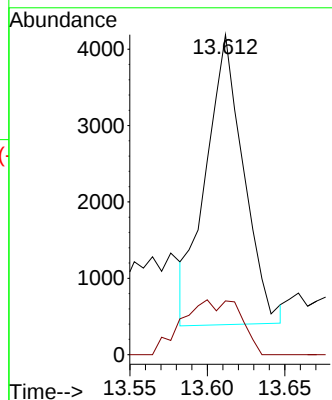
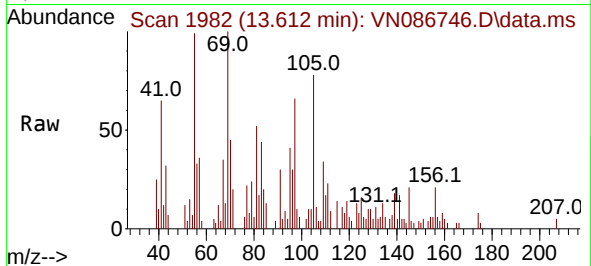




#85
 sec-Butylbenzene
 Concen: 0.415 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086746.D
 Acq: 21 May 2025 21:06

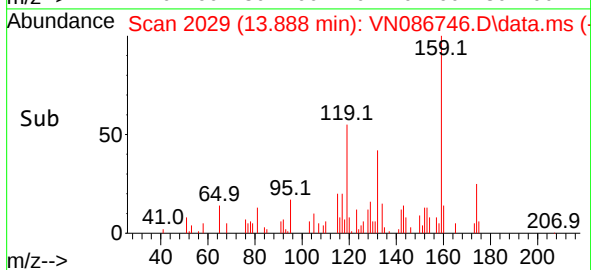
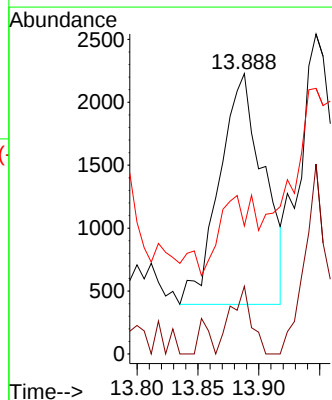
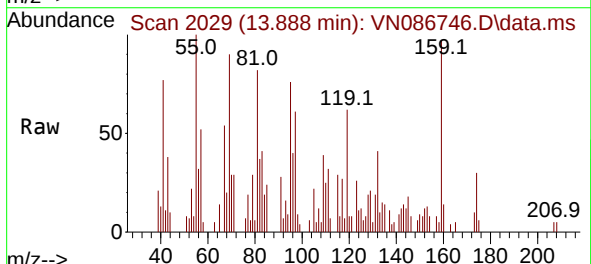
Instrument :
 MSVOA_N
 ClientSampleId :
 L2-WC-6-VOC

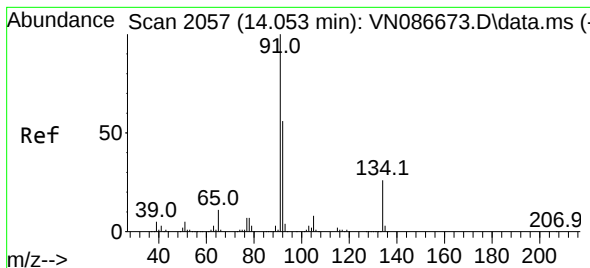
Tgt Ion:105 Resp: 6437
 Ion Ratio Lower Upper
 105 100
 134 29.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.364 ug/l
 RT: 13.888 min Scan# 2029
 Delta R.T. 0.165 min
 Lab File: VN086746.D
 Acq: 21 May 2025 21:06

Tgt Ion:119 Resp: 4619
 Ion Ratio Lower Upper
 119 100
 134 13.9 13.1 39.1
 91 26.9 11.5 34.5





#89

n-Butylbenzene

Concen: 0.435 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086746.D

Acq: 21 May 2025 21:06

Instrument :

MSVOA_N

ClientSampleId :

L2-WC-6-VOC

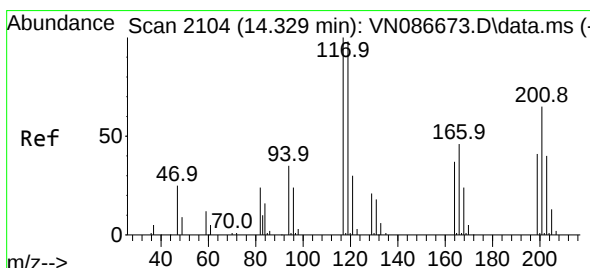
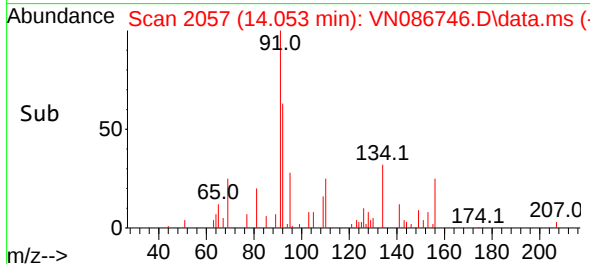
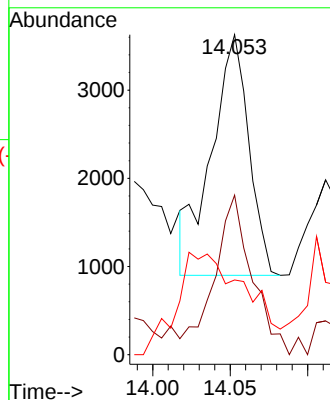
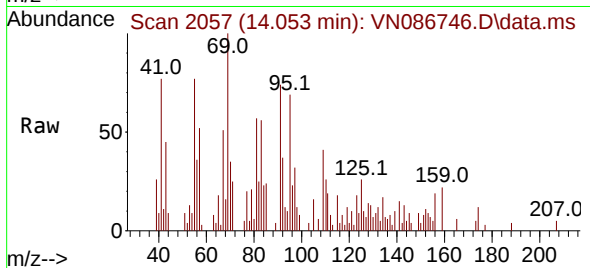
Tgt Ion: 91 Resp: 4576

Ion Ratio Lower Upper

91 100

92 66.8 27.4 82.0

134 0.0 12.8 38.4#



#90

Hexachloroethane

Concen: 0.980 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN086746.D

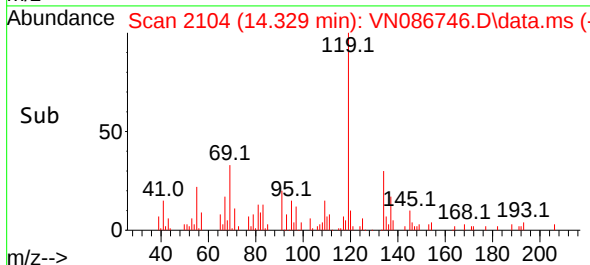
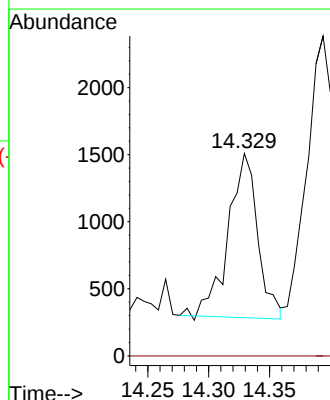
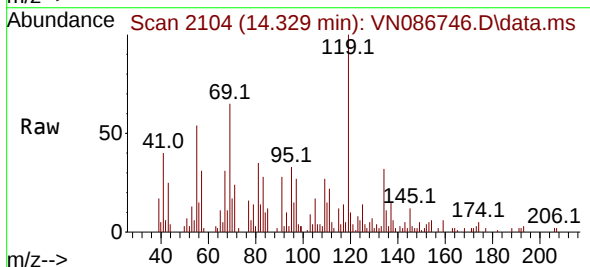
Acq: 21 May 2025 21:06

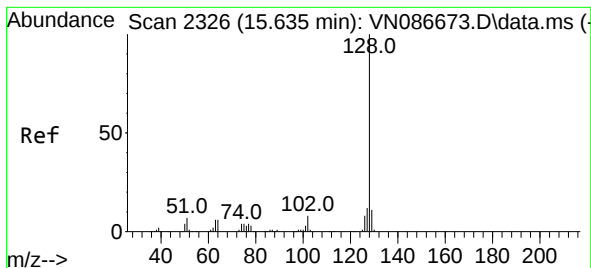
Tgt Ion: 117 Resp: 2066

Ion Ratio Lower Upper

117 100

201 0.0 32.0 96.0#





#95

Naphthalene

Concen: 4.492 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN086746.D

Acq: 21 May 2025 21:06

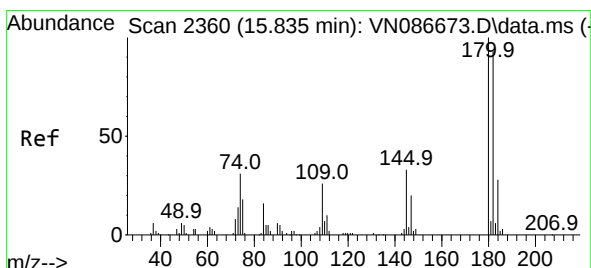
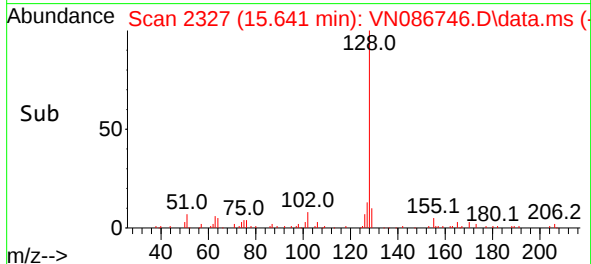
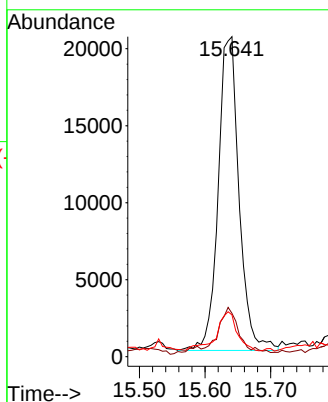
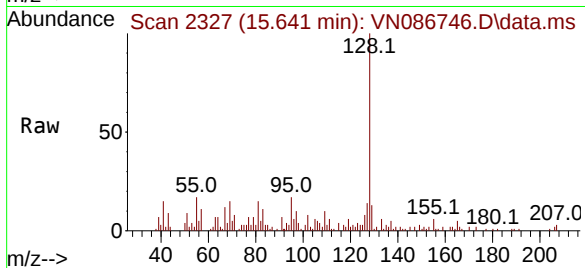
Instrument :

MSVOA_N

ClientSampleId :

L2-WC-6-VOC

Tgt Ion:	128	Resp:	45128
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	12.4	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.316 ug/l

RT: 15.859 min Scan# 2364

Delta R.T. 0.024 min

Lab File: VN086746.D

Acq: 21 May 2025 21:06

Tgt Ion:	180	Resp:	895
Ion	Ratio	Lower	Upper
180	100		
182	31.6	47.0	141.2#
145	0.0	16.7	50.1#

