

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019209.D
 Acq On : 30 Oct 2025 10:50
 Operator : SY/MD
 Sample : VT1030WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL01

Quant Time: Oct 31 01:16:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 08:43:44 2025
 Response via : Initial Calibration

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

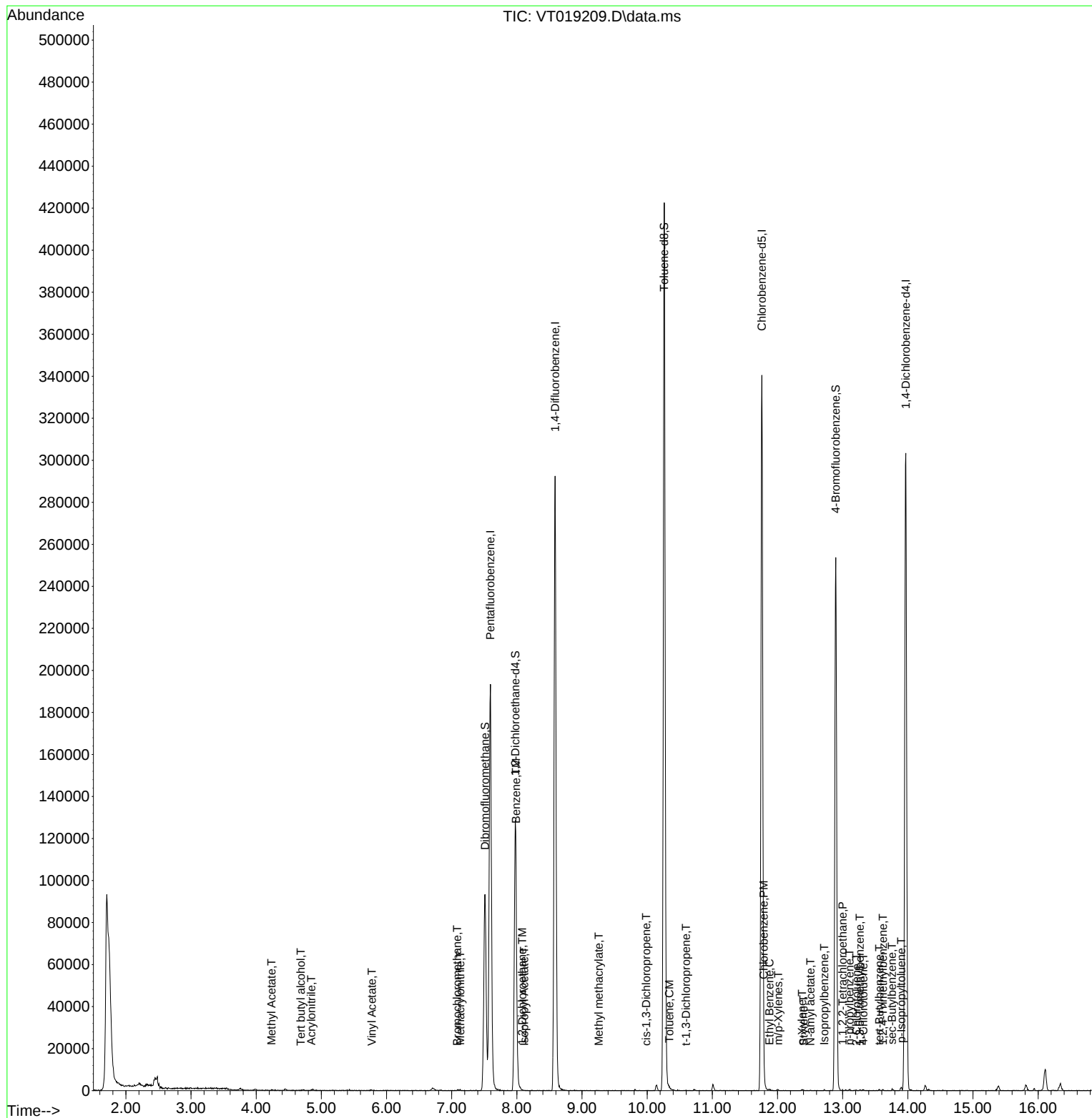
Internal Standards						
1) Pentafluorobenzene	7.595	168	157987	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.588	114	266167	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.760	117	212185	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.970	152	99995	50.000	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.977	65	111305	43.800	ug/l	0.04
Spiked Amount 50.000			Recovery	=	87.600%	
35) Dibromofluoromethane	7.512	113	76733	45.581	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.160%	
50) Toluene-d8	10.262	98	306974	44.904	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.800%	
62) 4-Bromofluorobenzene	12.894	95	96322	44.819	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.640%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.686	59	56	0.104	ug/l #	73
15) Acrylonitrile	4.845	53	189	0.143	ug/l #	40
18) Methyl Acetate	4.234	43	112	0.025	ug/l #	55
23) Vinyl Acetate	5.773	43	406	0.080	ug/l #	74
28) Bromochloromethane	7.084	49	259	0.145	ug/l #	82
40) Benzene	7.988	78	243	0.038	ug/l #	51
41) Methacrylonitrile	7.131	41	84	0.052	ug/l #	20
42) 1,2-Dichloroethane	8.082	62	61	0.027	ug/l #	77
43) Isopropyl Acetate	8.112	43	56	0.011	ug/l #	63
48) Methyl methacrylate	9.257	41	57	0.025	ug/l #	17
52) Toluene	10.339	92	64	0.017	ug/l #	1
53) t-1,3-Dichloropropene	10.597	75	56	0.023	ug/l #	1
54) cis-1,3-Dichloropropene	9.986	75	55	0.022	ug/l #	28
65) Chlorobenzene	11.790	112	218	0.057	ug/l #	42
67) Ethyl Benzene	11.878	91	560	0.079	ug/l #	44
68) m/p-Xylenes	12.013	106	317	0.121	ug/l	88
69) o-Xylene	12.377	106	55	0.021	ug/l #	1
70) Styrene	12.401	104	530	0.113	ug/l #	48
73) Isopropylbenzene	12.718	105	425	0.062	ug/l #	48
74) N-amyl acetate	12.507	43	242	0.070	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	13.000	83	71	0.030	ug/l #	85
78) n-propylbenzene	13.106	91	899	0.110	ug/l #	66
79) 2-Chlorotoluene	13.212	91	478	0.102	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.265	105	495	0.090	ug/l #	46
82) 4-Chlorotoluene	13.318	91	831	0.174	ug/l #	52
83) tert-Butylbenzene	13.564	119	469	0.092	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.617	105	674	0.120	ug/l #	56
85) sec-Butylbenzene	13.758	105	1116	0.149	ug/l #	65
86) p-Isopropyltoluene	13.899	119	1124	0.179	ug/l #	70

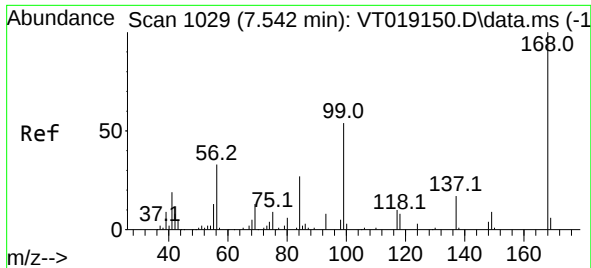
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
Data File : VT019209.D
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Misc : 5.0mL/MSVOA_T/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
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Quant Time: Oct 31 01:16:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 08:43:44 2025
Response via : Initial Calibration

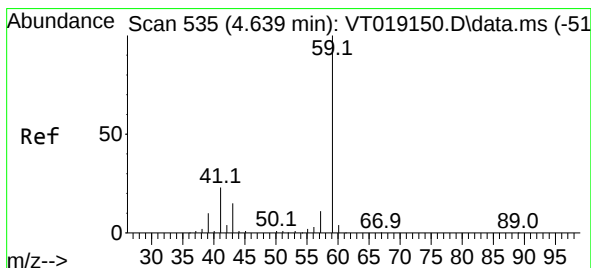
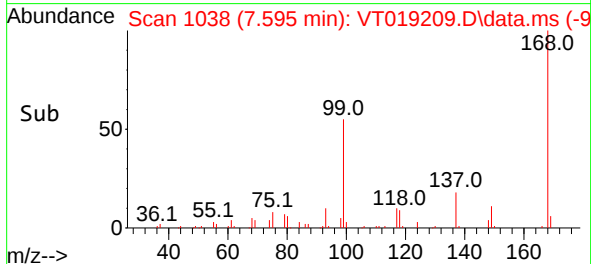
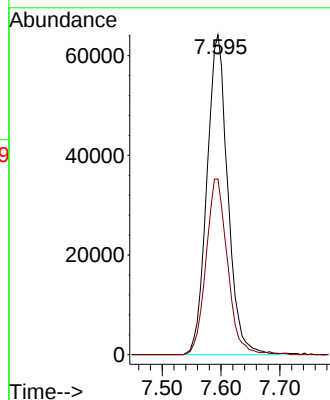
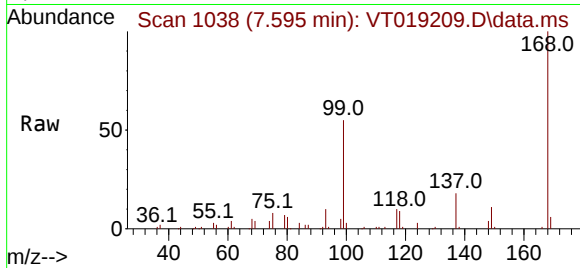




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.595 min Scan# 1029
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

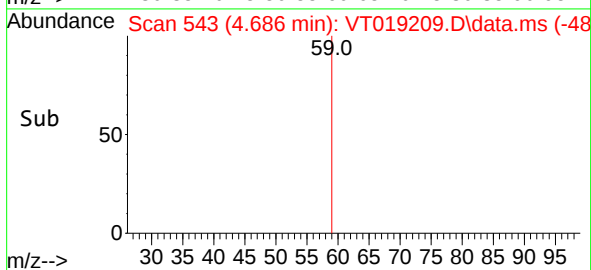
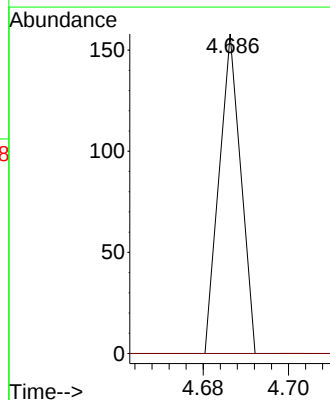
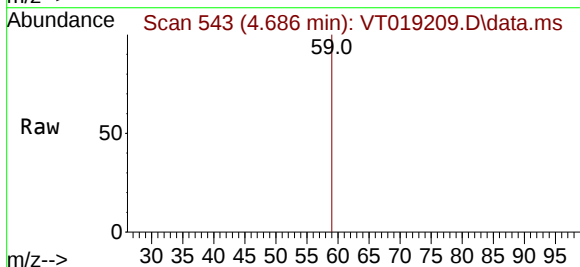
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

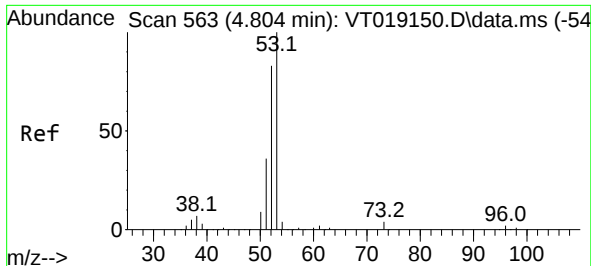
Tgt Ion:168 Resp: 157987
Ion Ratio Lower Upper
168 100
99 54.9 46.6 70.0



#11
Tert butyl alcohol
Concen: 0.104 ug/l
RT: 4.686 min Scan# 543
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

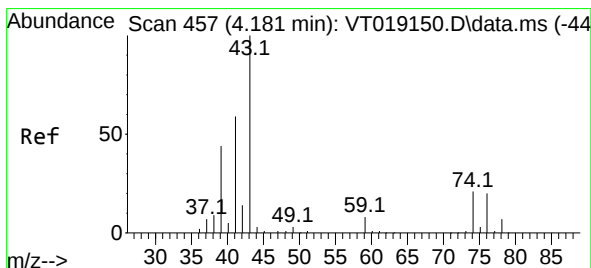
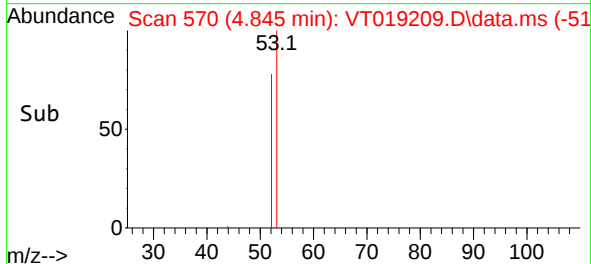
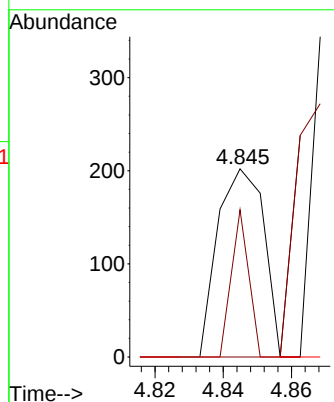
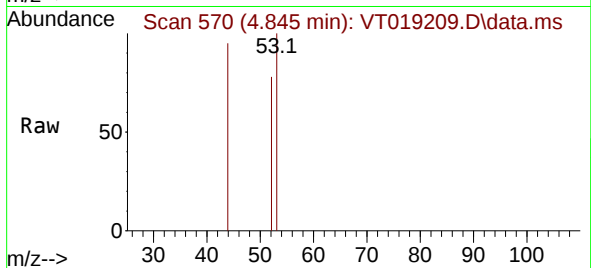




#15
Acrylonitrile
Concen: 0.143 ug/l
RT: 4.845 min Scan# 51
Delta R.T. 0.029 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

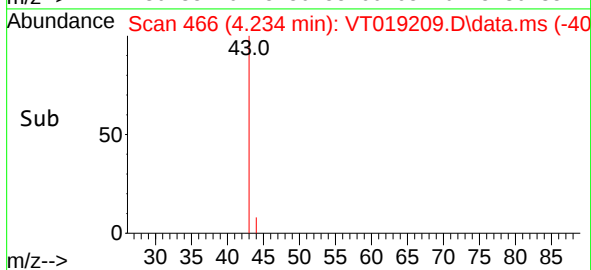
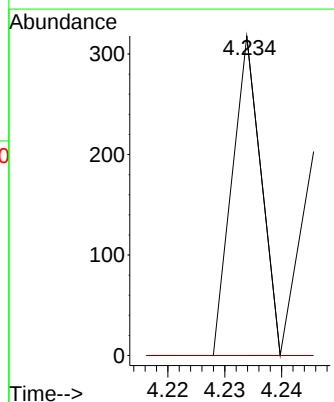
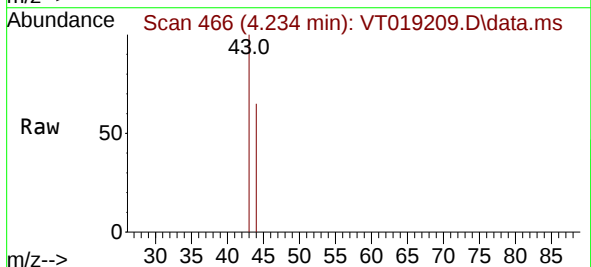
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

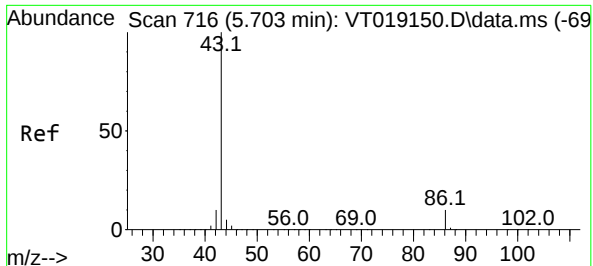
Tgt Ion: 53 Resp: 189
Ion Ratio Lower Upper
53 100
52 29.6 65.9 98.9#
51 0.0 29.4 44.2#



#18
Methyl Acetate
Concen: 0.025 ug/l
RT: 4.234 min Scan# 466
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#23

Vinyl Acetate

Concen: 0.080 ug/l

RT: 5.773 min Scan# 716

Delta R.T. 0.064 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

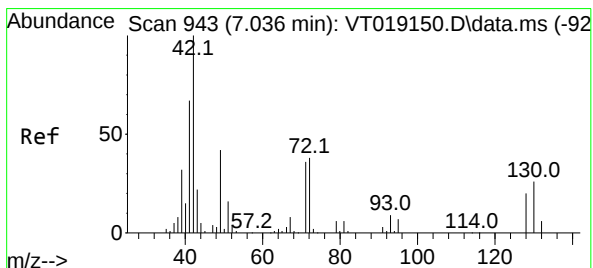
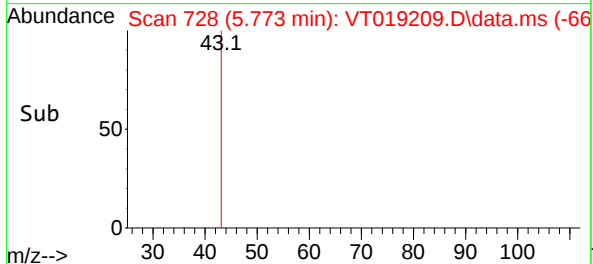
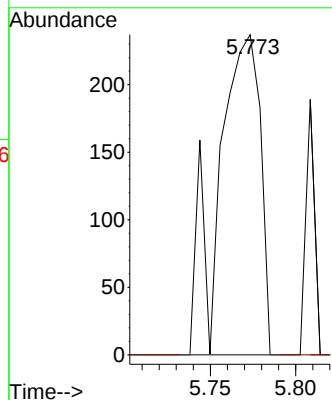
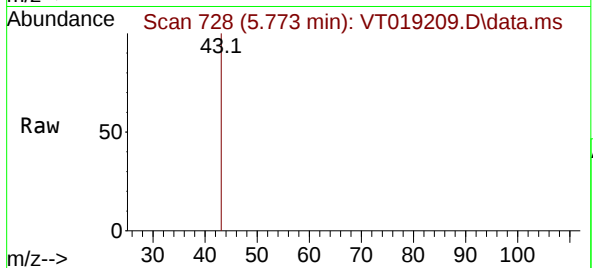
VT1030WBL01

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.6#



#28

Bromochloromethane

Concen: 0.145 ug/l

RT: 7.084 min Scan# 951

Delta R.T. 0.042 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

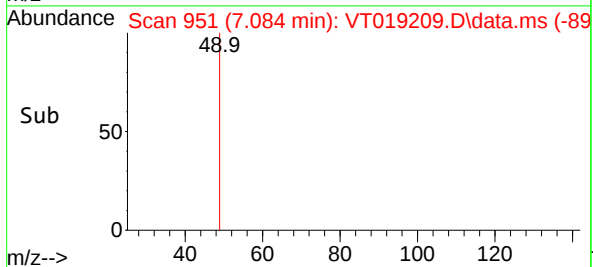
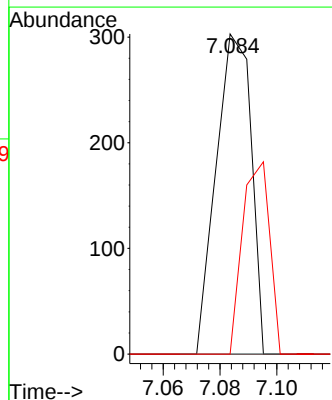
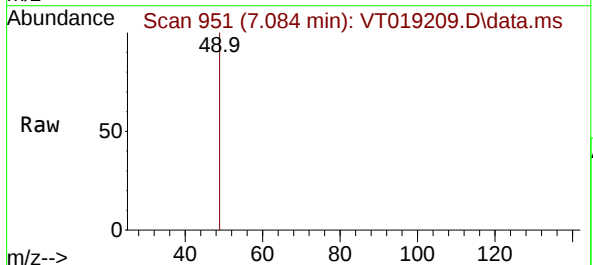
Tgt Ion: 49 Resp: 259

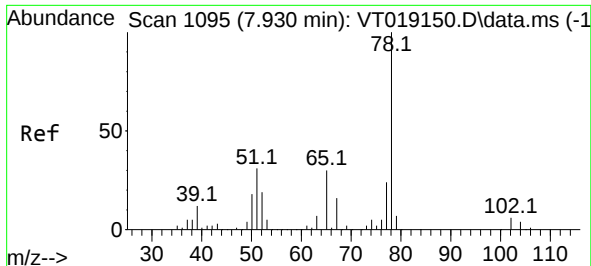
Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

130 46.7 48.6 73.0#





#33

1,2-Dichloroethane-d4

Concen: 43.800 ug/l

RT: 7.977 min Scan# 1103

Delta R.T. 0.042 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

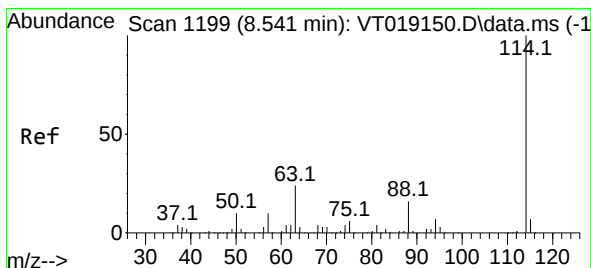
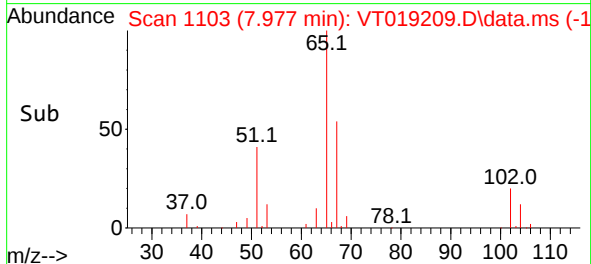
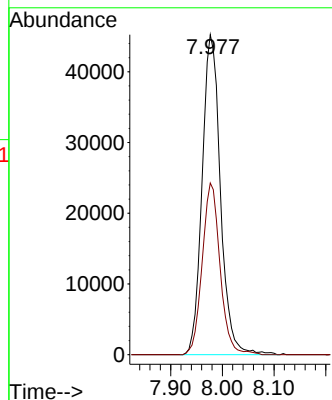
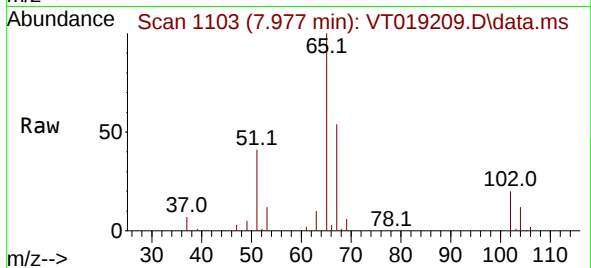
VT1030WBL01

Tgt Ion: 65 Resp: 111305

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.588 min Scan# 1207

Delta R.T. 0.041 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

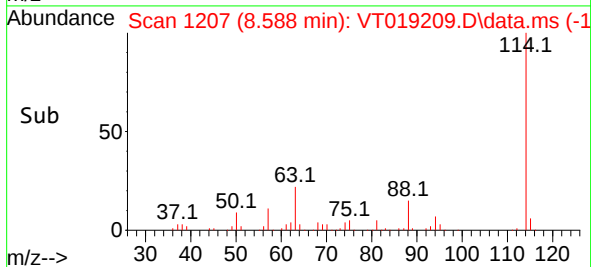
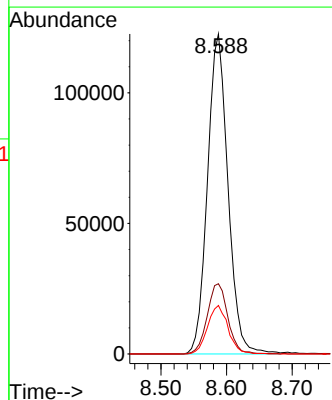
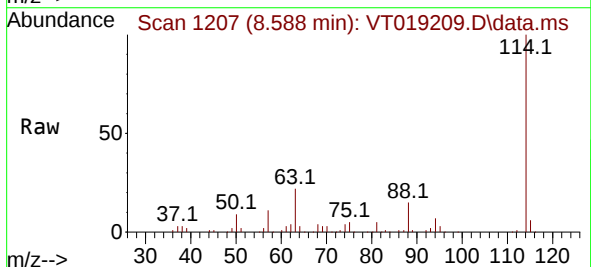
Tgt Ion: 114 Resp: 266167

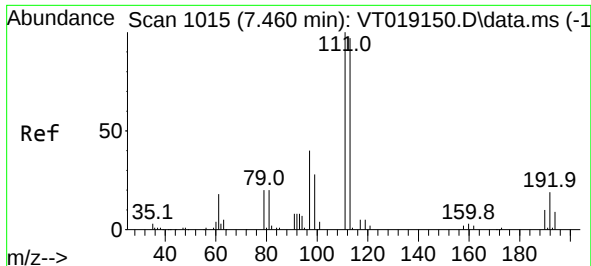
Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.2

88 15.1 0.0 32.6

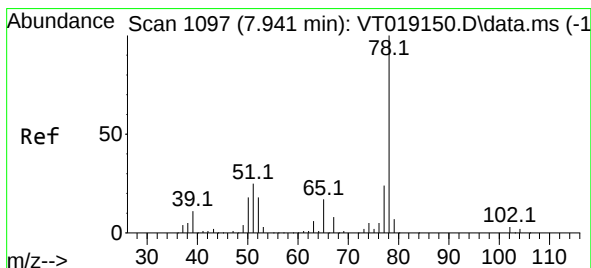
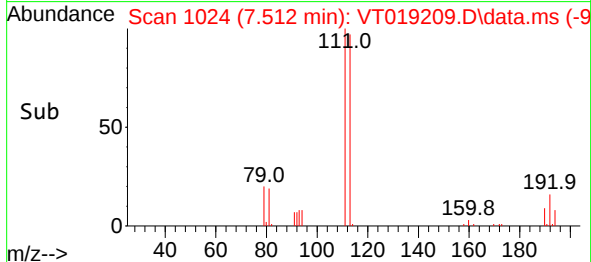
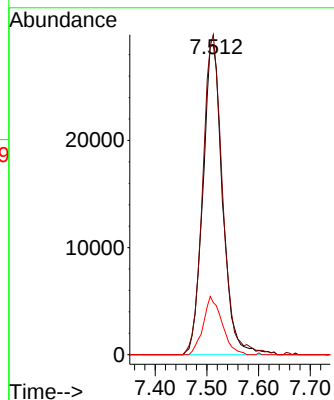
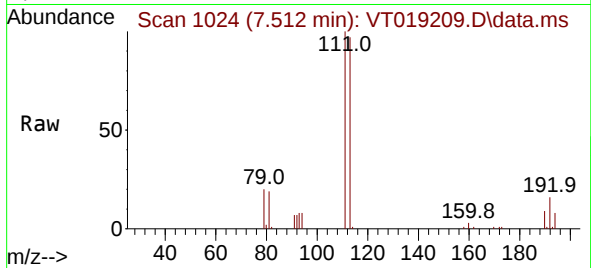




#35
Dibromofluoromethane
Concen: 45.581 ug/l
RT: 7.512 min Scan# 1105
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

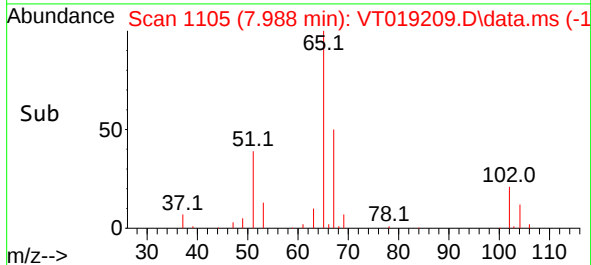
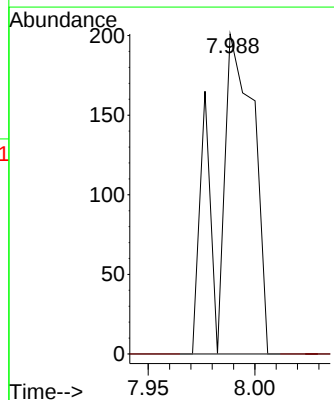
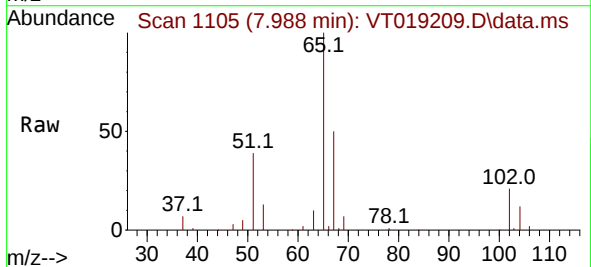
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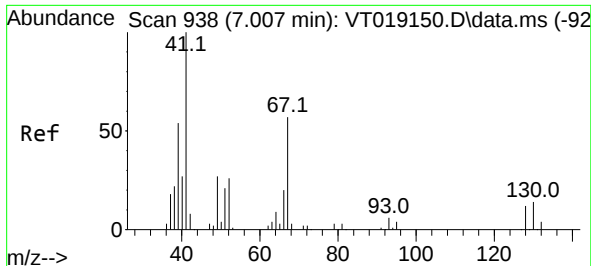
Tgt Ion:113 Resp: 76733
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 17.9 15.3 22.9



#40
Benzene
Concen: 0.038 ug/l
RT: 7.988 min Scan# 1105
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 78 Resp: 243
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#

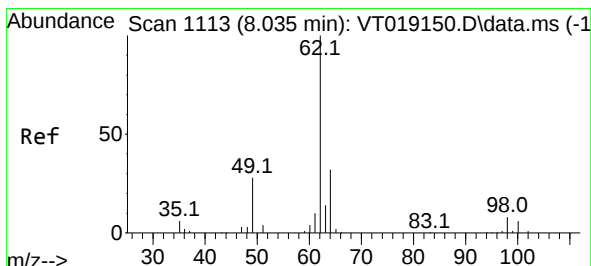
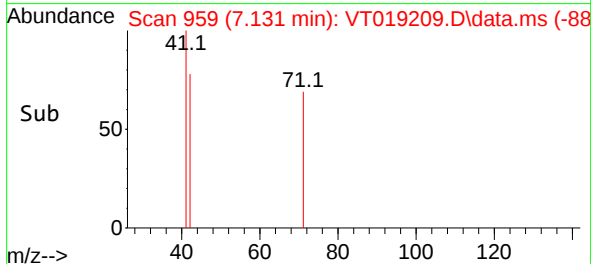
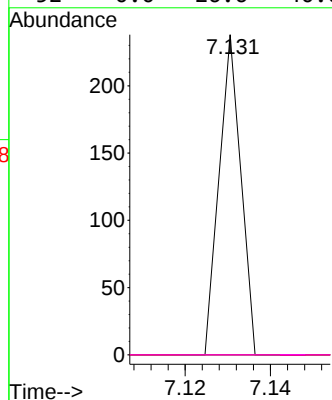
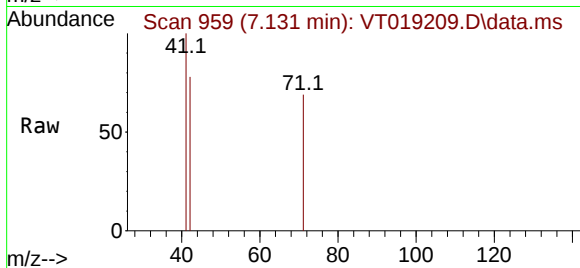




#41
Methacrylonitrile
Concen: 0.052 ug/l
RT: 7.131 min Scan# 91
Delta R.T. 0.112 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

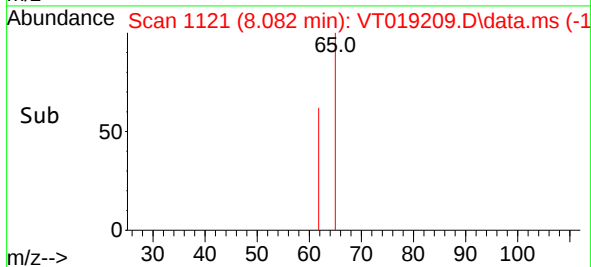
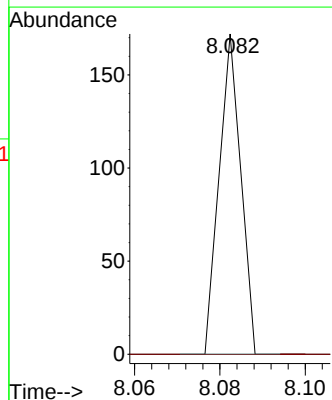
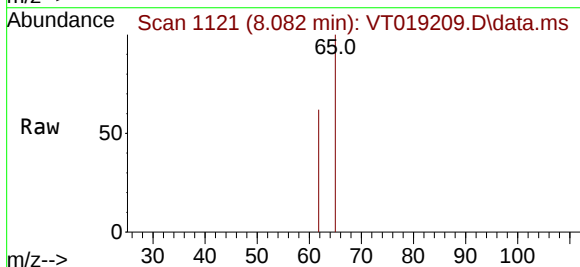
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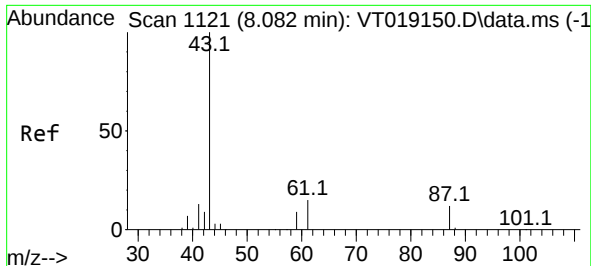
Tgt Ion: 41	Resp: 84
Ion Ratio	Lower Upper
41 100	
39 0.0	49.8 74.6#
67 0.0	60.0 90.0#
52 0.0	26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.027 ug/l
RT: 8.082 min Scan# 1121
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

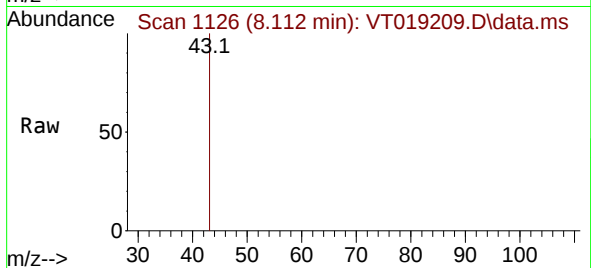
Tgt Ion: 62	Resp: 61		
Ion Ratio	Lower	Upper	
62 100			
98 0.0	0.0	16.6	



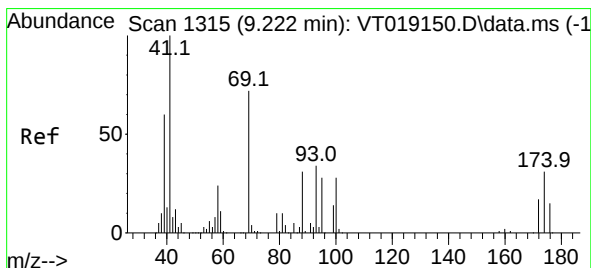
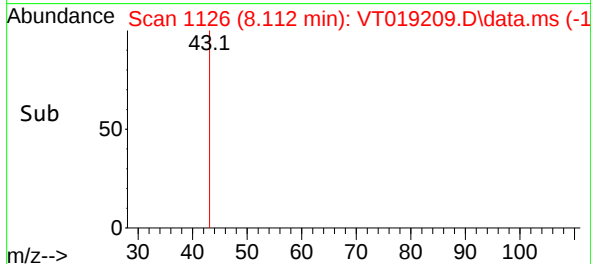
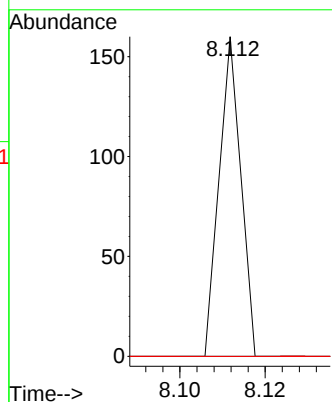


#43
Isopropyl Acetate
Concen: 0.011 ug/l
RT: 8.112 min Scan# 1126
Delta R.T. 0.024 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Instrument :
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ClientSampleId :
VT1030WBL01

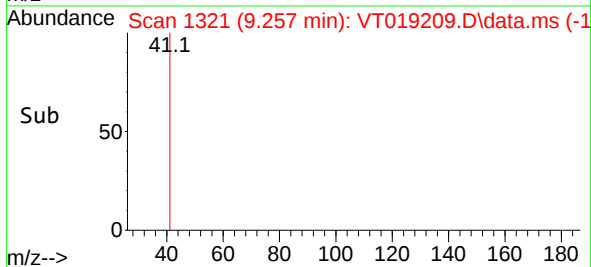
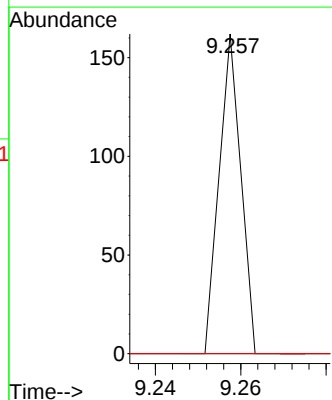
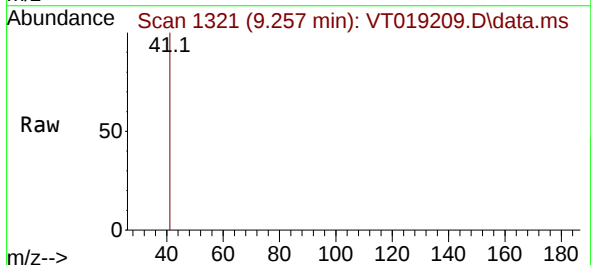


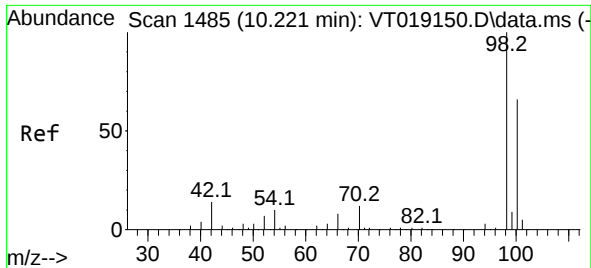
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
61 0.0 14.8 22.2#
87 0.0 9.1 13.7#



#48
Methyl methacrylate
Concen: 0.025 ug/l
RT: 9.257 min Scan# 1321
Delta R.T. 0.029 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 56.9 85.3#
39 0.0 48.0 72.0#

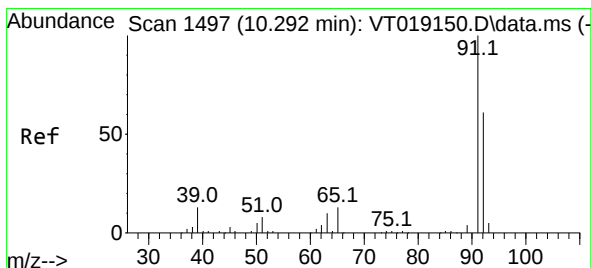
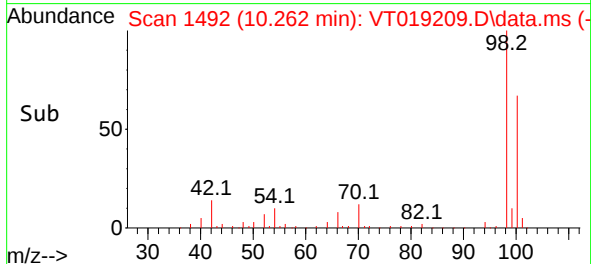
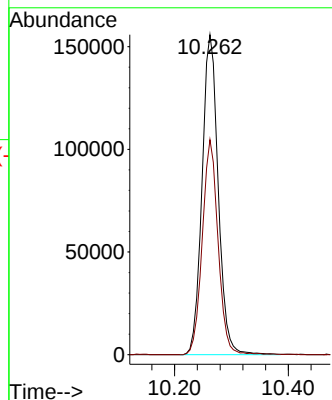
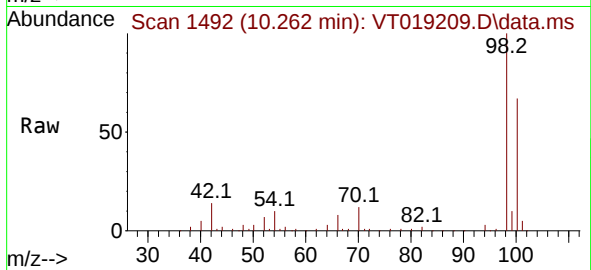




#50
Toluene-d8
Concen: 44.904 ug/l
RT: 10.262 min Scan# 14
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

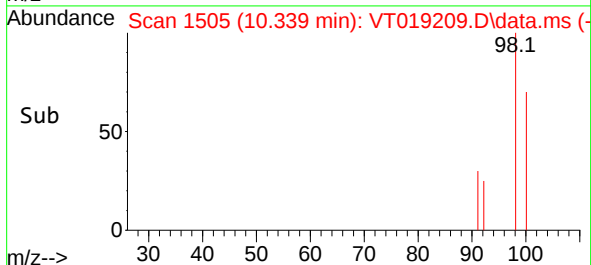
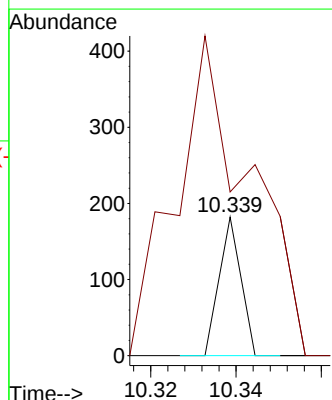
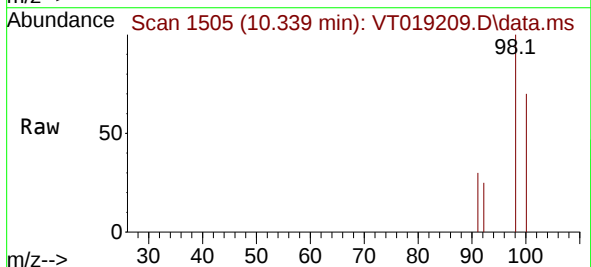
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

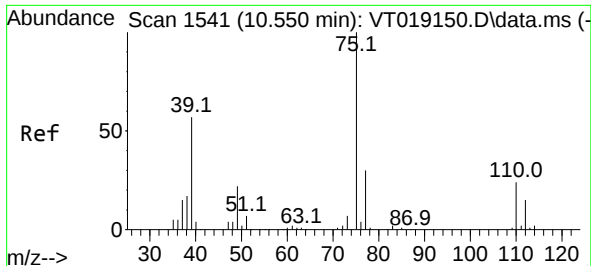
Tgt Ion: 98 Resp: 306974
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#52
Toluene
Concen: 0.017 ug/l
RT: 10.339 min Scan# 1505
Delta R.T. 0.042 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 92 Resp: 64
Ion Ratio Lower Upper
92 100
91 793.8 134.8 202.2#

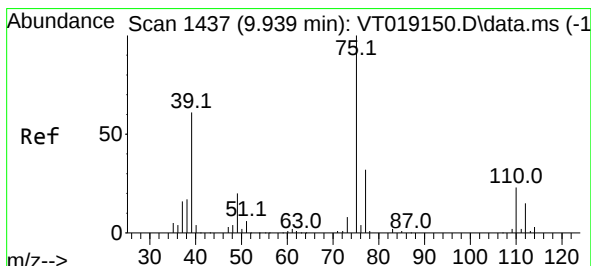
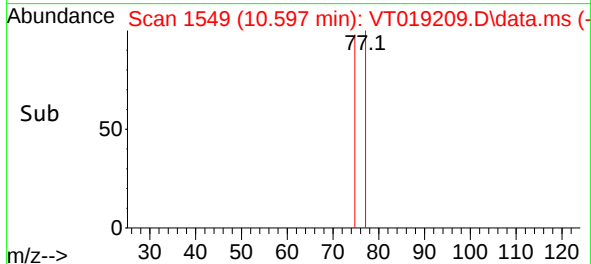
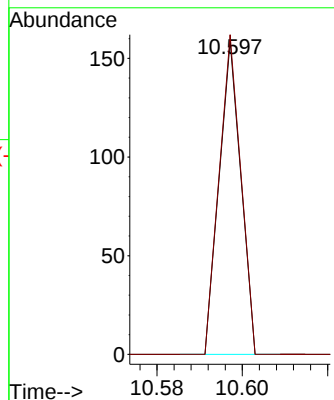
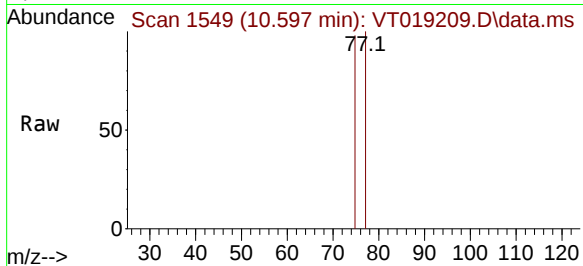




#53
 t-1,3-Dichloropropene
 Concen: 0.023 ug/l
 RT: 10.597 min Scan# 11
 Delta R.T. 0.041 min
 Lab File: VT019209.D
 Acq: 30 Oct 2025 10:50

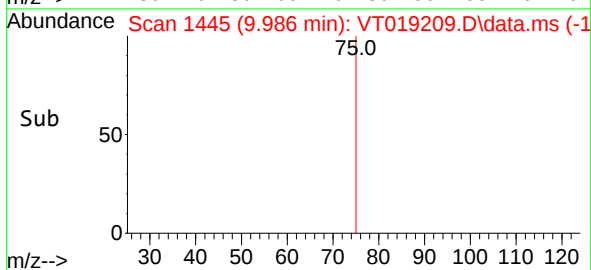
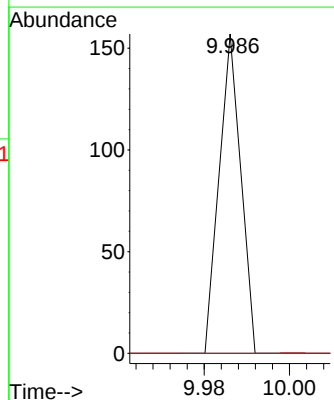
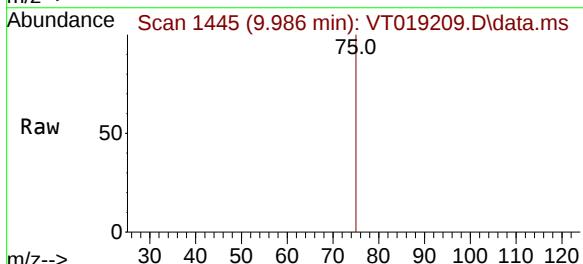
Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL01

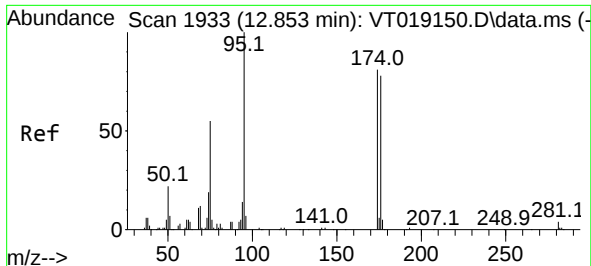
Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 77 101.9 24.2 36.4#



#54
 cis-1,3-Dichloropropene
 Concen: 0.022 ug/l
 RT: 9.986 min Scan# 1445
 Delta R.T. 0.047 min
 Lab File: VT019209.D
 Acq: 30 Oct 2025 10:50

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 0.0 48.8 73.2#

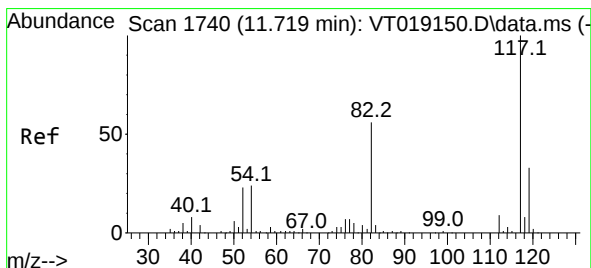
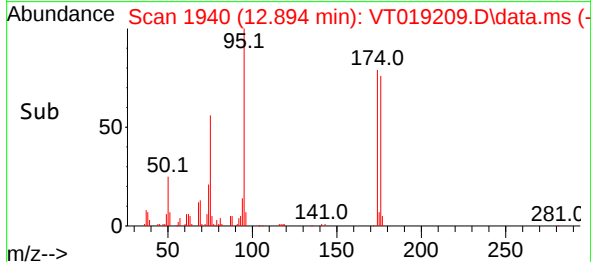
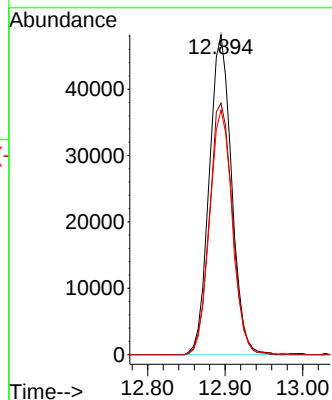
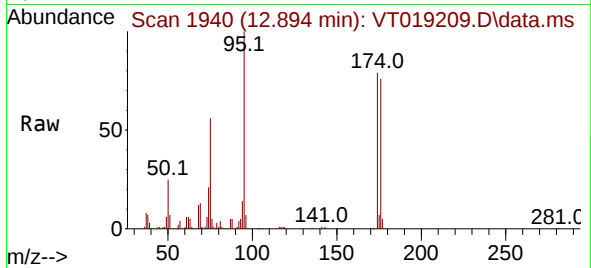




#62
4-Bromofluorobenzene
Concen: 44.819 ug/l
RT: 12.894 min Scan# 1933
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

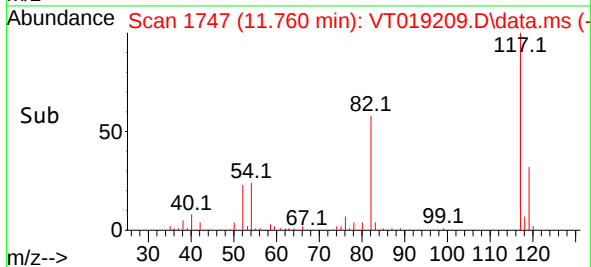
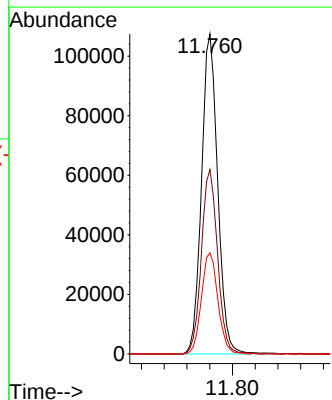
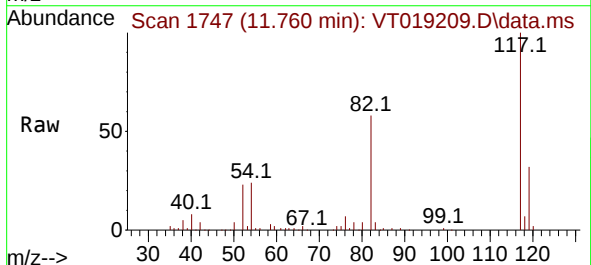
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

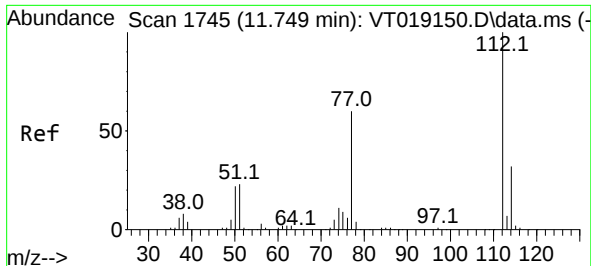
Tgt Ion: 95	Resp: 96322
Ion Ratio	Lower Upper
95 100	
174 81.4	0.0 160.6
176 78.0	0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.760 min Scan# 1747
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 117	Resp: 212185
Ion Ratio	Lower Upper
117 100	
82 57.7	45.1 67.7
119 31.6	26.6 40.0

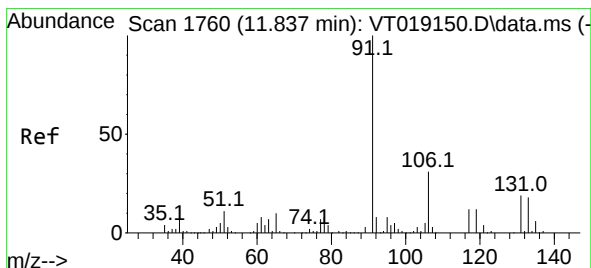
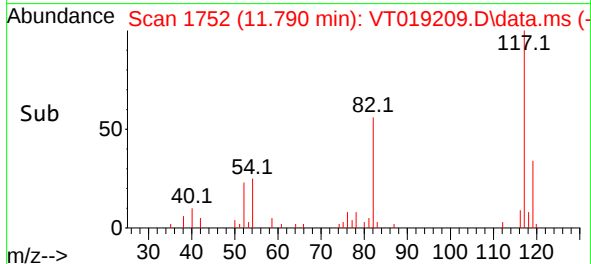
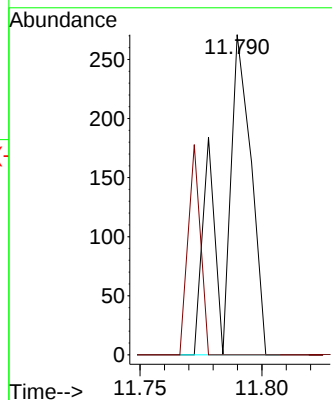
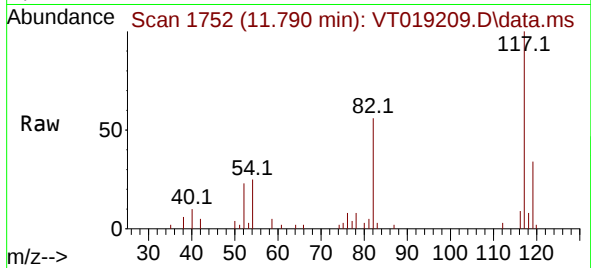




#65
Chlorobenzene
Concen: 0.057 ug/l
RT: 11.790 min Scan# 11
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

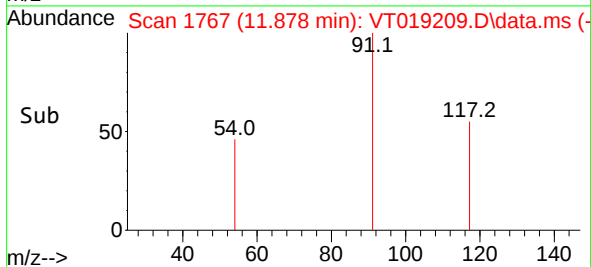
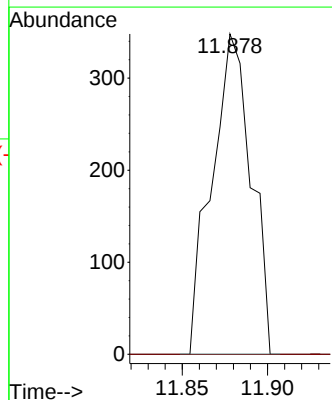
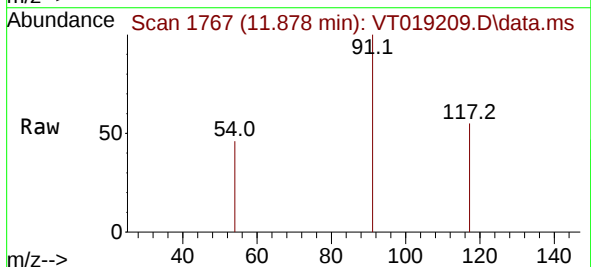
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

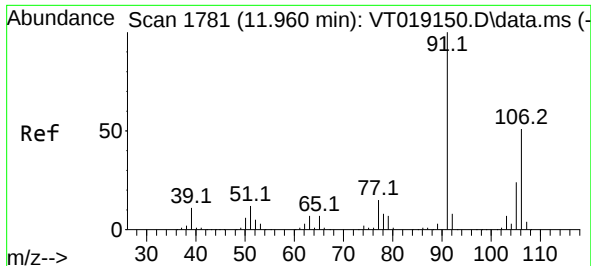
Tgt Ion:112 Resp: 218
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#



#67
Ethyl Benzene
Concen: 0.079 ug/l
RT: 11.878 min Scan# 1767
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 91 Resp: 560
Ion Ratio Lower Upper
91 100
106 0.0 24.8 37.2#

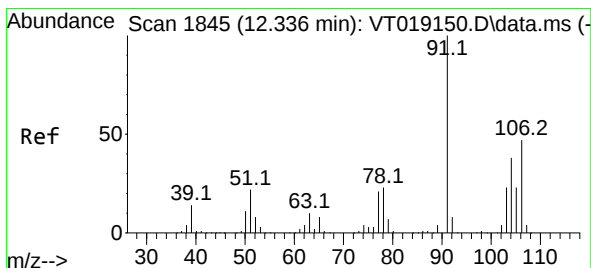
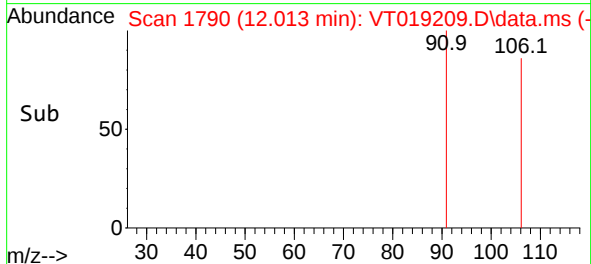
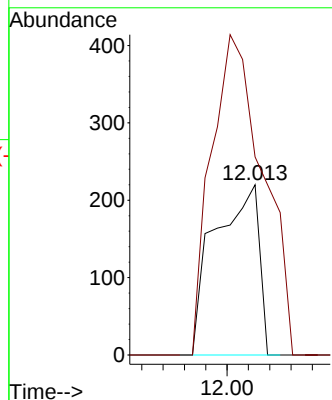
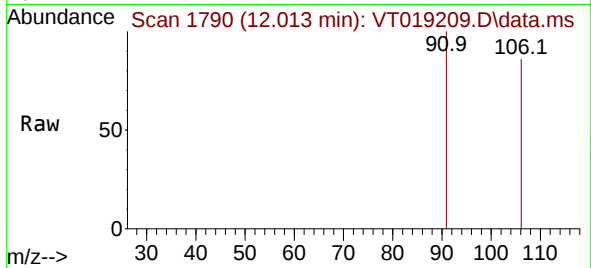




#68
m/p-Xylenes
Concen: 0.121 ug/l
RT: 12.013 min Scan# 11
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

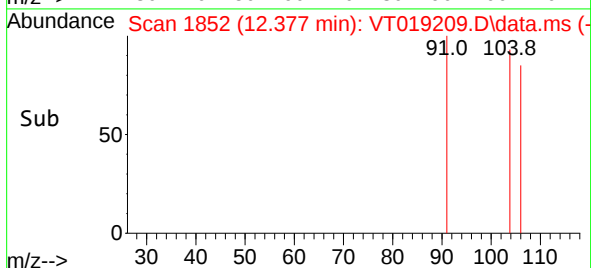
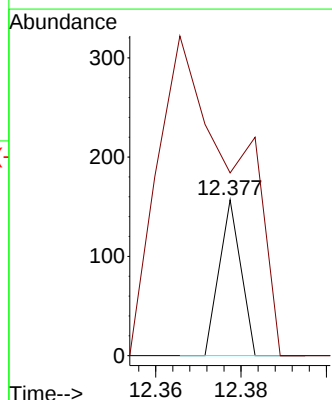
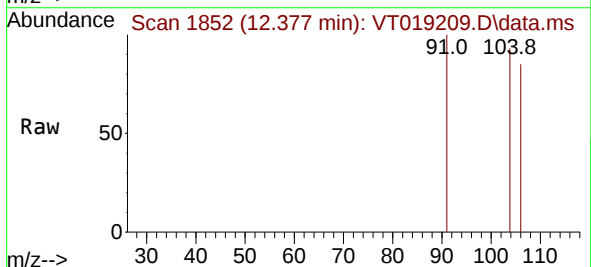
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

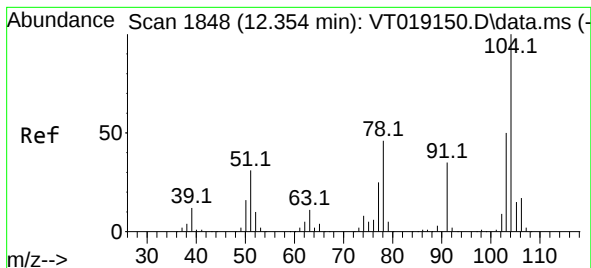
Tgt Ion:106 Resp: 317
Ion Ratio Lower Upper
106 100
91 220.2 161.0 241.6



#69
o-Xylene
Concen: 0.021 ug/l
RT: 12.377 min Scan# 1852
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion:106 Resp: 55
Ion Ratio Lower Upper
106 100
91 729.1 106.5 319.5#





#70

Styrene

Concen: 0.113 ug/l

RT: 12.401 min Scan# 11

Delta R.T. 0.041 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL01

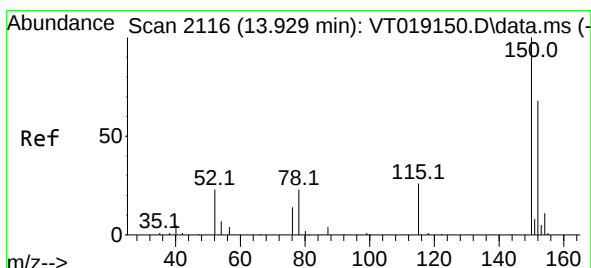
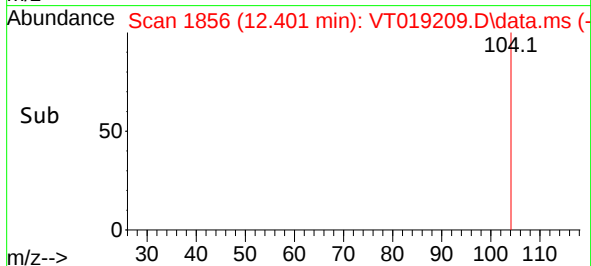
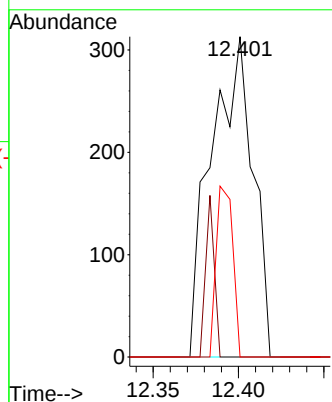
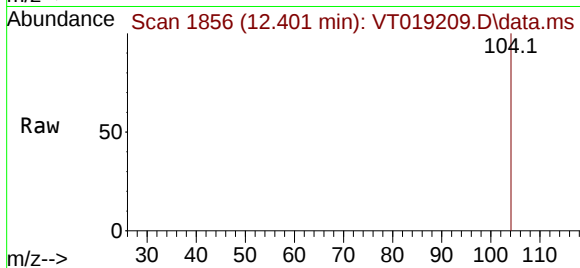
Tgt Ion:104 Resp: 530

Ion Ratio Lower Upper

104 100

78 10.6 40.8 61.2#

103 21.3 43.8 65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.970 min Scan# 2123

Delta R.T. 0.041 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

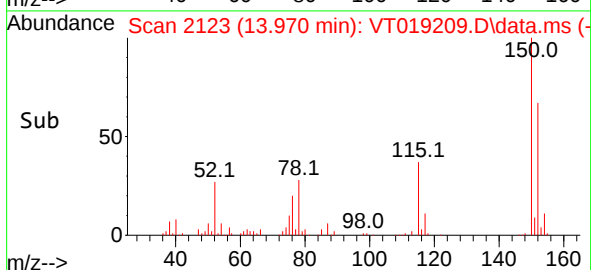
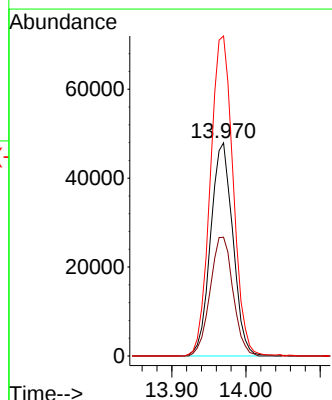
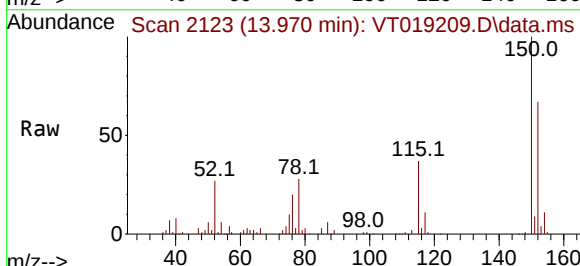
Tgt Ion:152 Resp: 99995

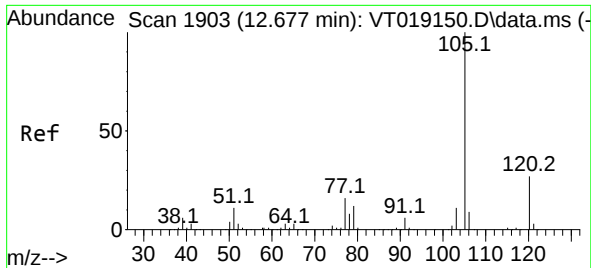
Ion Ratio Lower Upper

152 100

115 57.3 29.6 88.9

150 154.2 0.0 342.6

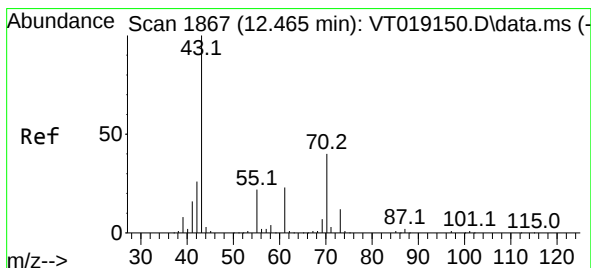
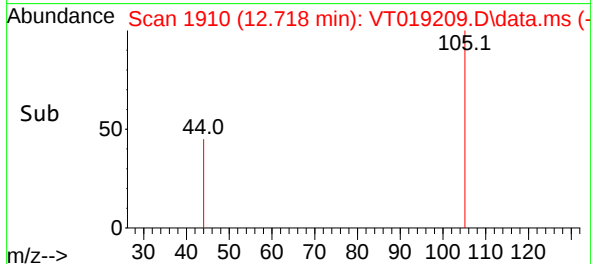
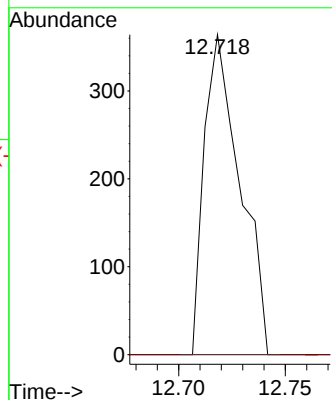
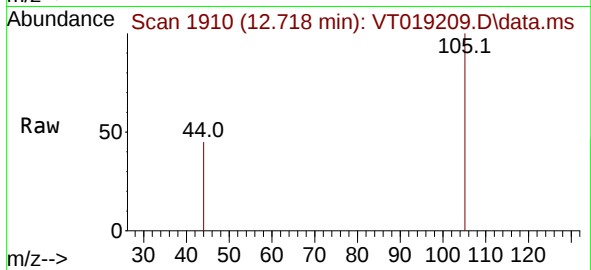




#73
Isopropylbenzene
Concen: 0.062 ug/l
RT: 12.718 min Scan# 1903
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

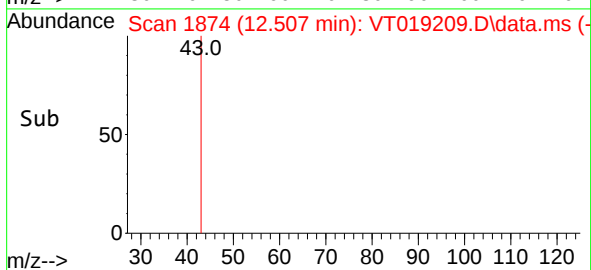
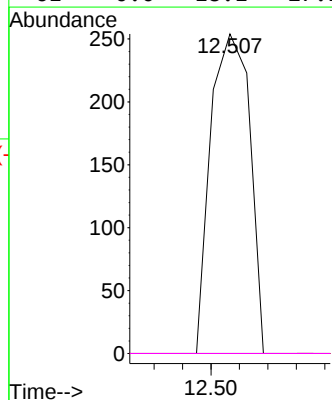
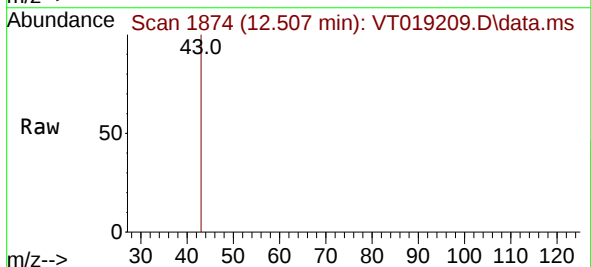
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

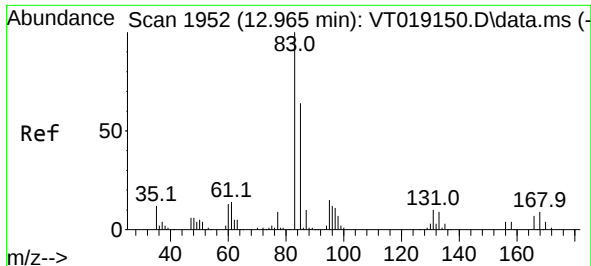
Tgt Ion:105 Resp: 425
Ion Ratio Lower Upper
105 100
120 0.0 13.5 40.4#



#74
N-ethyl acetate
Concen: 0.070 ug/l
RT: 12.507 min Scan# 1874
Delta R.T. 0.036 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 17.4 26.0#
61 0.0 18.1 27.1#

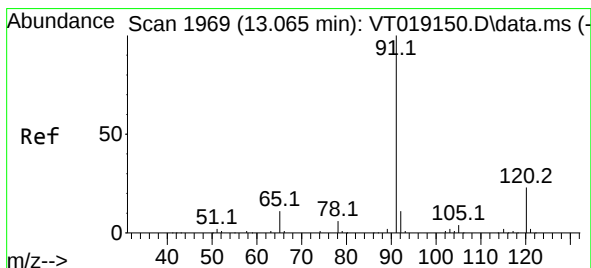
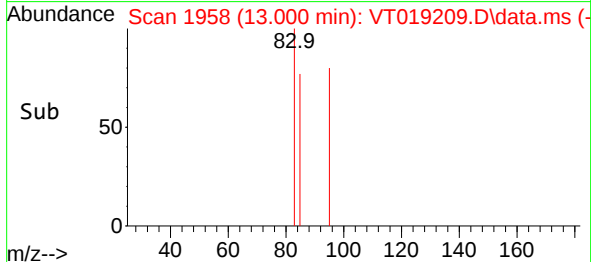
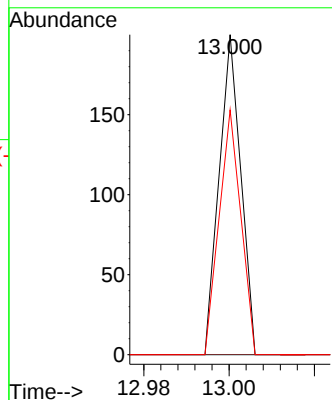
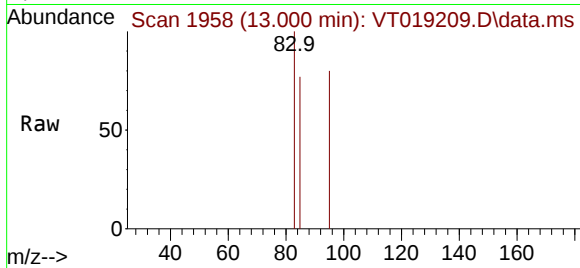




#75
1,1,2,2-Tetrachloroethane
Concen: 0.030 ug/l
RT: 13.000 min Scan# 1958
Delta R.T. 0.029 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

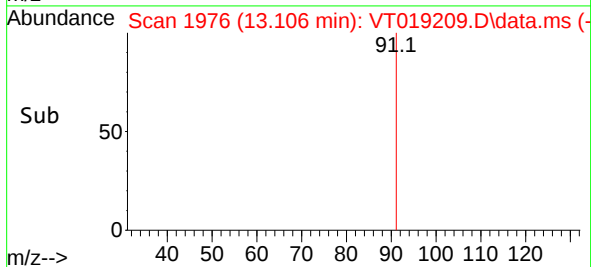
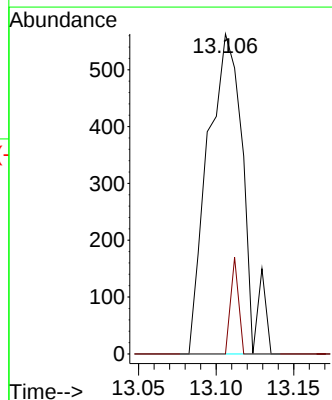
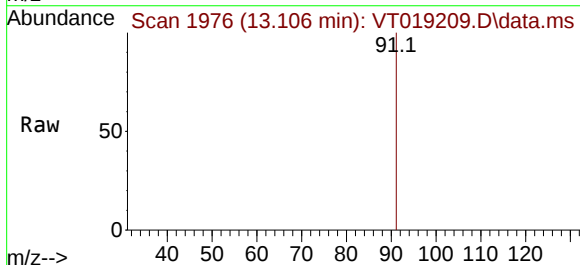
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

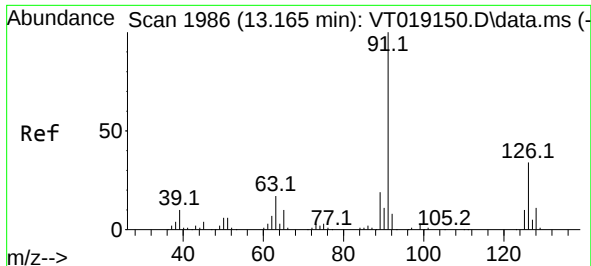
Tgt Ion: 83 Resp: 71
Ion Ratio Lower Upper
83 100
131 0.0 5.2 15.6#
85 76.1 32.8 98.4



#78
n-propylbenzene
Concen: 0.110 ug/l
RT: 13.106 min Scan# 1976
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 91 Resp: 899
Ion Ratio Lower Upper
91 100
120 6.7 11.6 34.8#

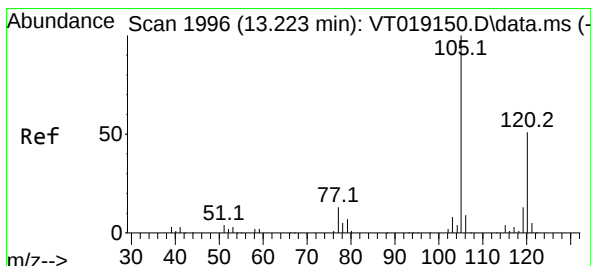
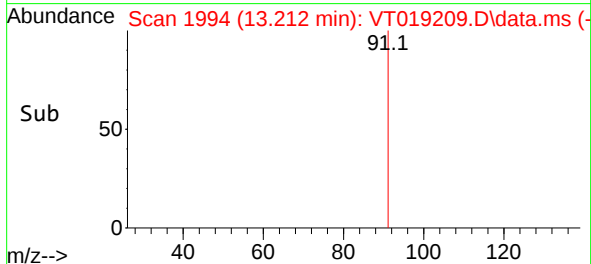
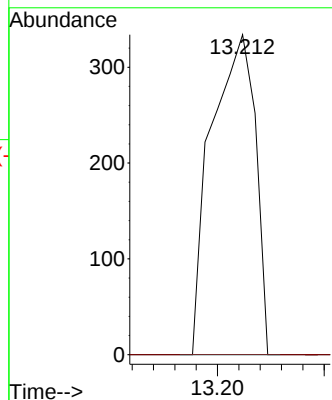
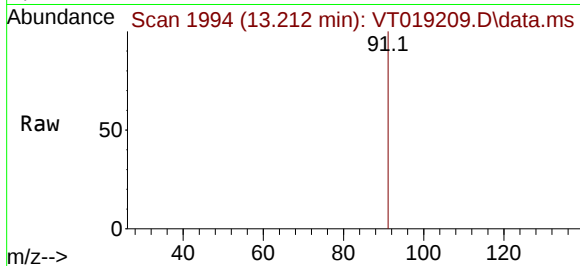




#79
2-Chlorotoluene
Concen: 0.102 ug/l
RT: 13.212 min Scan# 1986
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

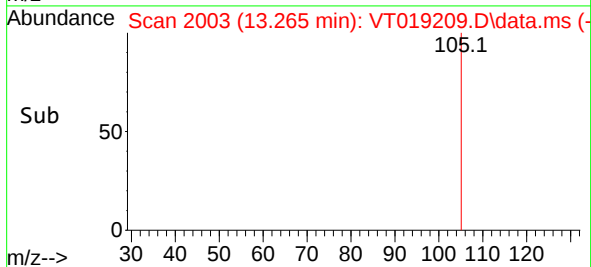
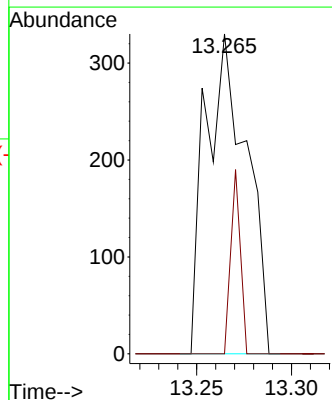
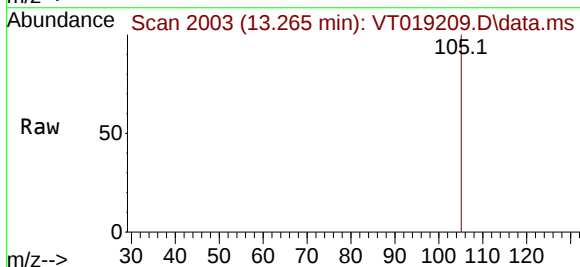
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

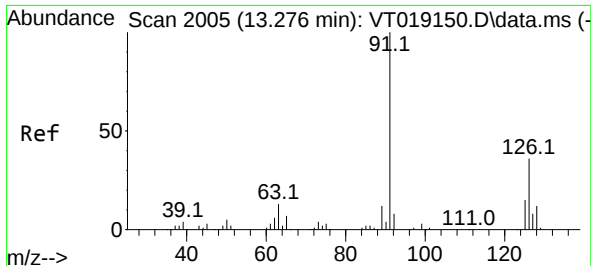
Tgt Ion: 91 Resp: 478
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.090 ug/l
RT: 13.265 min Scan# 2003
Delta R.T. 0.036 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 105 Resp: 495
Ion Ratio Lower Upper
105 100
120 13.5 25.5 76.5#

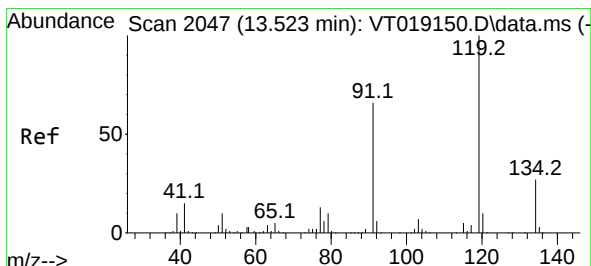
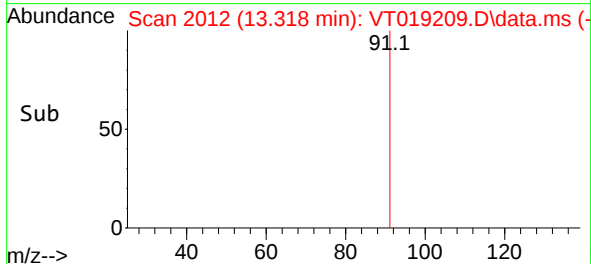
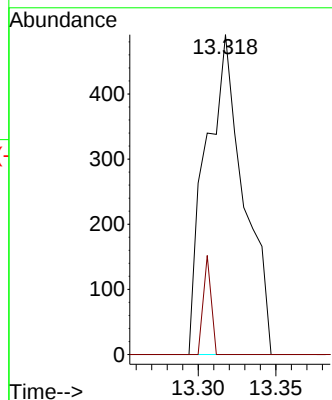
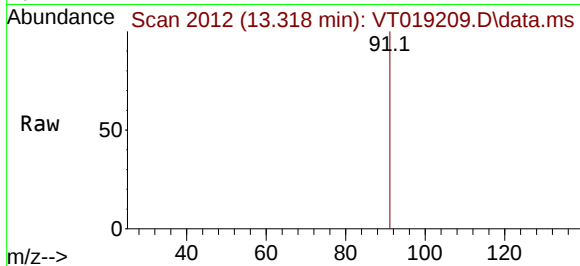




#82
4-Chlorotoluene
Concen: 0.174 ug/l
RT: 13.318 min Scan# 2012
Delta R.T. 0.036 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

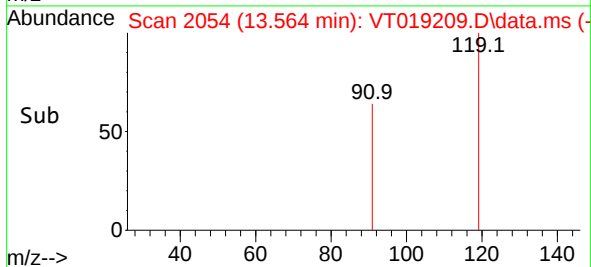
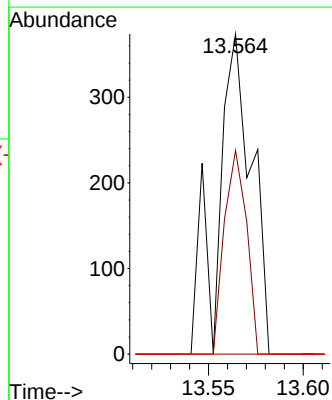
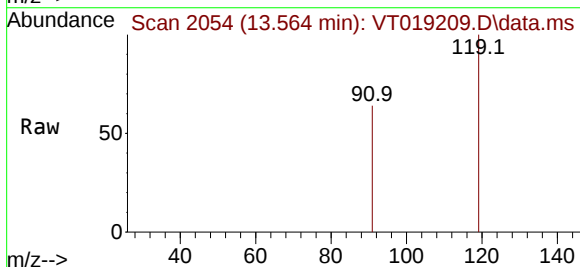
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

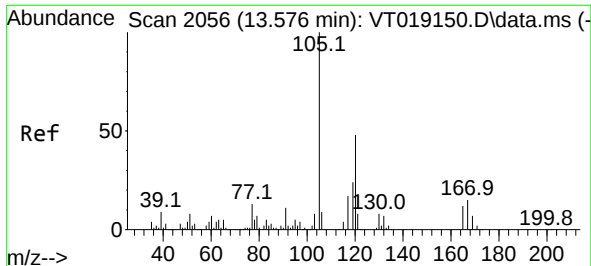
Tgt Ion: 91 Resp: 831
Ion Ratio Lower Upper
91 100
126 6.5 16.9 50.7#



#83
tert-Butylbenzene
Concen: 0.092 ug/l
RT: 13.564 min Scan# 2054
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 119 Resp: 469
Ion Ratio Lower Upper
119 100
91 41.4 32.9 98.6
134 0.0 14.8 44.3#

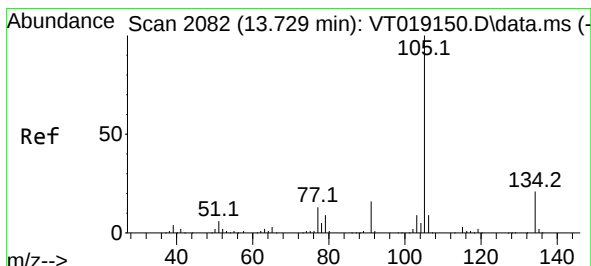
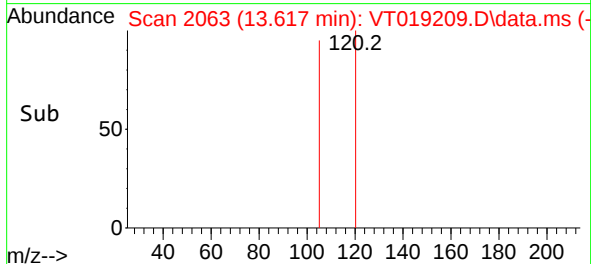
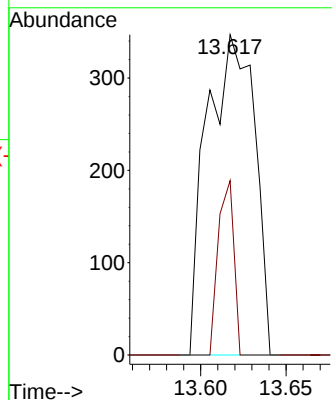
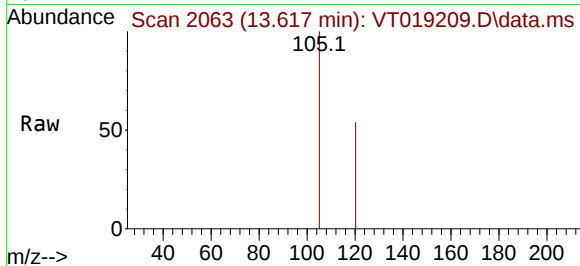




#84
1,2,4-Trimethylbenzene
Concen: 0.120 ug/l
RT: 13.617 min Scan# 2056
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

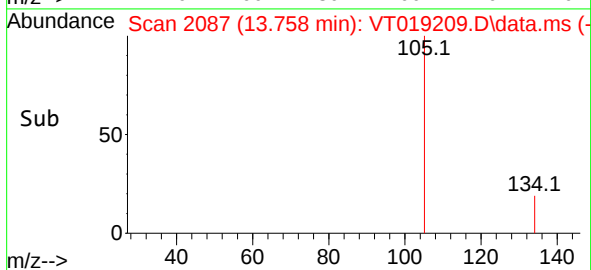
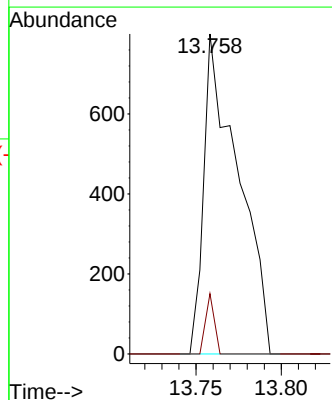
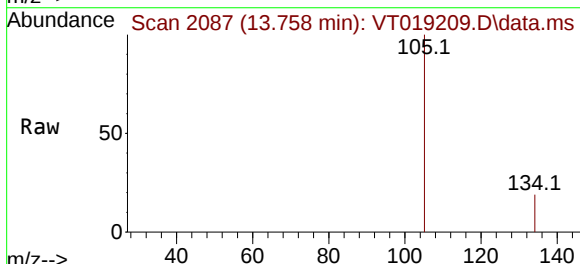
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

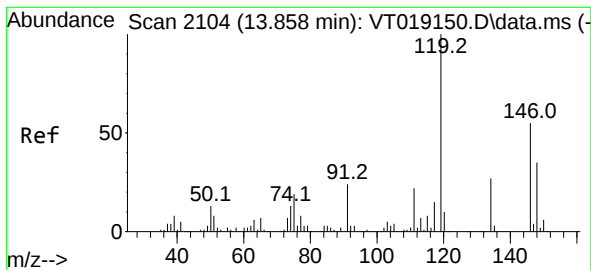
Tgt Ion:105 Resp: 674
Ion Ratio Lower Upper
105 100
120 18.0 23.7 71.1#



#85
sec-Butylbenzene
Concen: 0.149 ug/l
RT: 13.758 min Scan# 2087
Delta R.T. 0.029 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion:105 Resp: 1116
Ion Ratio Lower Upper
105 100
134 4.7 10.7 32.1#





#86

p-Isopropyltoluene

Concen: 0.179 ug/l

RT: 13.899 min Scan# 21

Delta R.T. 0.035 min

Lab File: VT019209.D

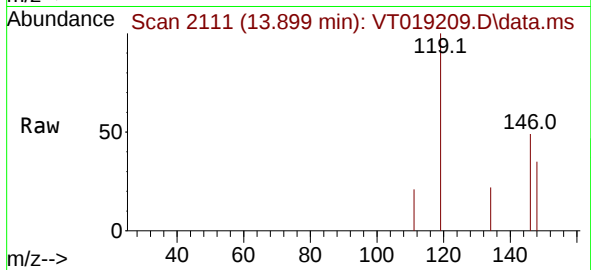
Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL01



Tgt Ion:119 Resp: 1124

Ion Ratio Lower Upper

119 100

134 15.4 13.4 40.1

91 4.7 11.7 35.1#

