

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019211.D
 Acq On : 30 Oct 2025 11:37
 Operator : SY/MD
 Sample : VT1030WBL03
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL03

Quant Time: Oct 31 01:16:54 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)

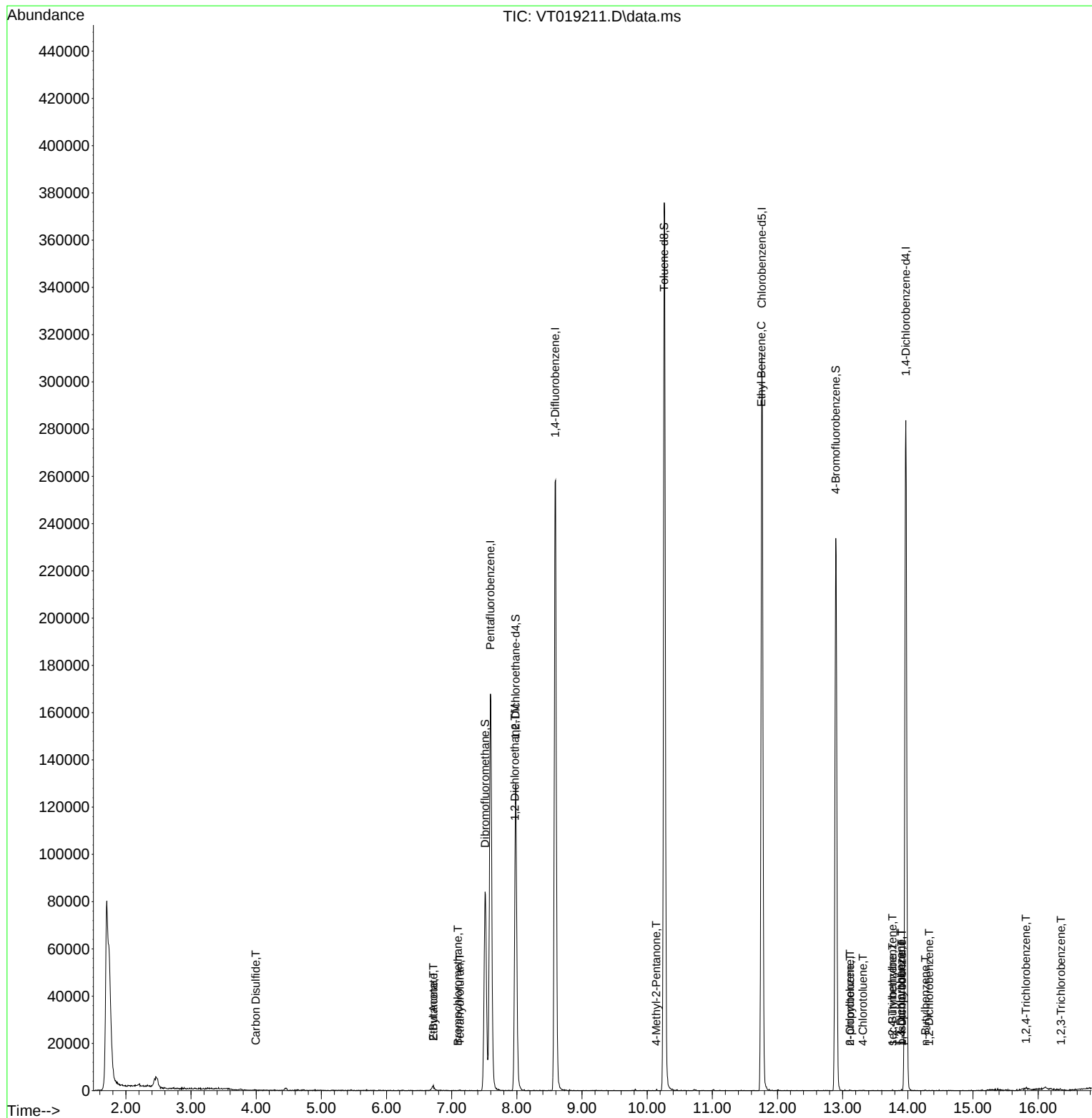
Internal Standards						
1) Pentafluorobenzene	7.595	168	140005	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.588	114	238829	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.760	117	195034	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.970	152	92300	50.000	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.982	65	104112	46.231	ug/l	0.05
Spiked Amount 50.000			Recovery	=	92.460%	
35) Dibromofluoromethane	7.512	113	68968	45.658	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.320%	
50) Toluene-d8	10.262	98	278398	45.385	ug/l	0.04
Spiked Amount 50.000			Recovery	=	90.780%	
62) 4-Bromofluorobenzene	12.894	95	91137	47.261	ug/l	0.04
Spiked Amount 50.000			Recovery	=	94.520%	
Target Compounds						Qvalue
17) Carbon Disulfide	3.993	76	184	0.100	ug/l #	75
25) 2-Butanone	6.719	43	118	0.069	ug/l #	52
28) Bromochloromethane	7.095	49	116	0.073	ug/l #	20
29) Tetrahydrofuran	7.125	42	59	0.059	ug/l #	38
37) Ethyl Acetate	6.719	43	118	0.041	ug/l #	28
42) 1,2-Dichloroethane	7.971	62	67	0.033	ug/l #	77
51) 4-Methyl-2-Pentanone	10.139	43	341	0.123	ug/l #	37
67) Ethyl Benzene	11.755	91	396	0.061	ug/l #	44
78) n-propylbenzene	13.112	91	200	0.026	ug/l #	52
79) 2-Chlorotoluene	13.112	91	200	0.046	ug/l #	41
82) 4-Chlorotoluene	13.312	91	212	0.048	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.764	105	61	0.012	ug/l #	29
85) sec-Butylbenzene	13.764	105	61	0.009	ug/l #	55
86) p-Isopropyltoluene	13.905	119	176	0.030	ug/l #	50
87) 1,3-Dichlorobenzene	13.887	146	53	0.019	ug/l #	25
88) 1,4-Dichlorobenzene	13.911	146	119	0.043	ug/l #	70
89) n-Butylbenzene	14.269	91	387	0.072	ug/l #	32
91) 1,2-Dichlorobenzene	14.328	146	63	0.023	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.815	180	207	0.119	ug/l #	34
96) 1,2,3-Trichlorobenzene	16.349	180	54	0.031	ug/l #	65

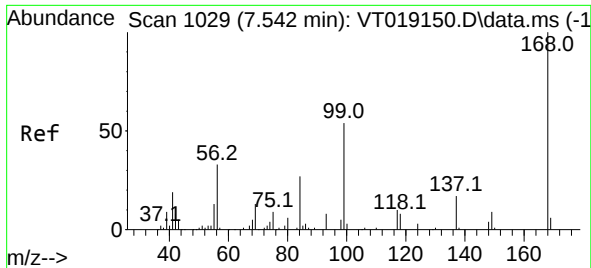
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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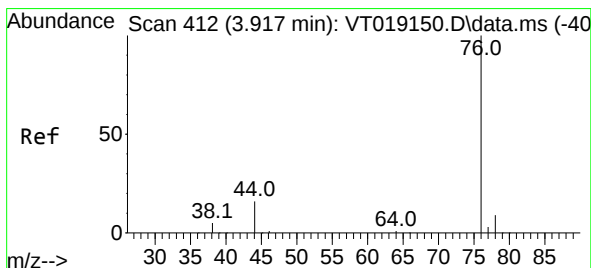
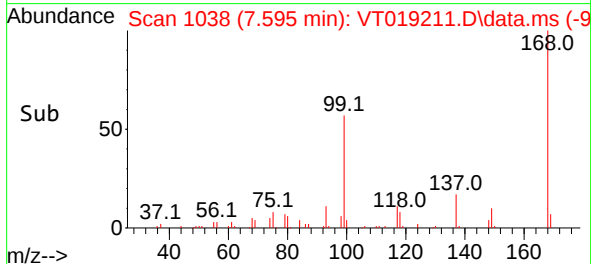
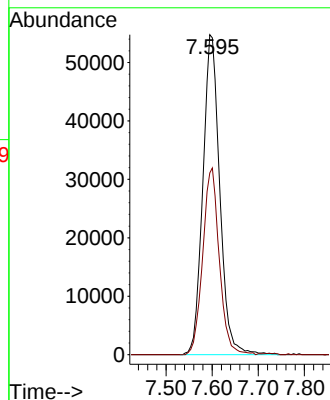
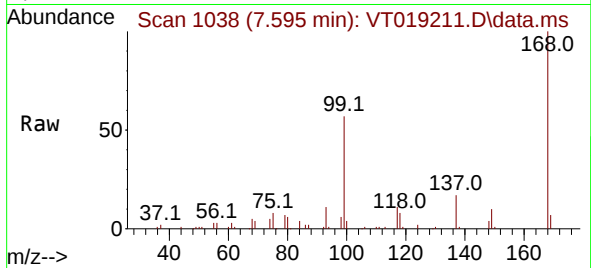




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.595 min Scan# 1029
Delta R.T. 0.047 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

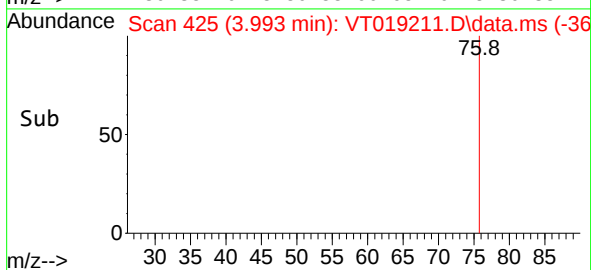
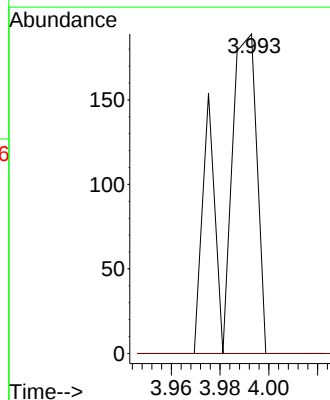
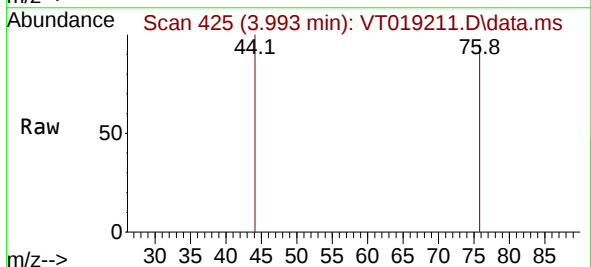
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

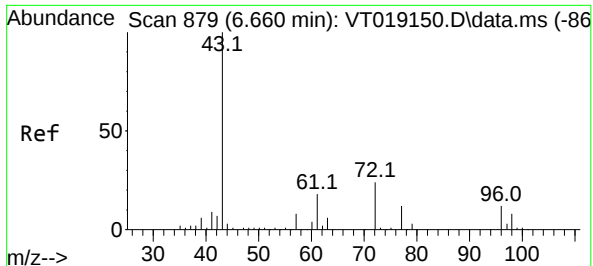
Tgt Ion:168 Resp: 140005
Ion Ratio Lower Upper
168 100
99 56.8 46.6 70.0



#17
Carbon Disulfide
Concen: 0.100 ug/l
RT: 3.993 min Scan# 425
Delta R.T. 0.059 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 76 Resp: 184
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

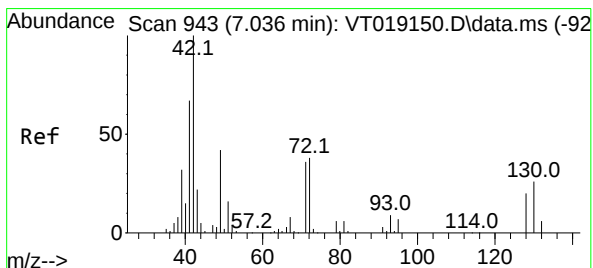
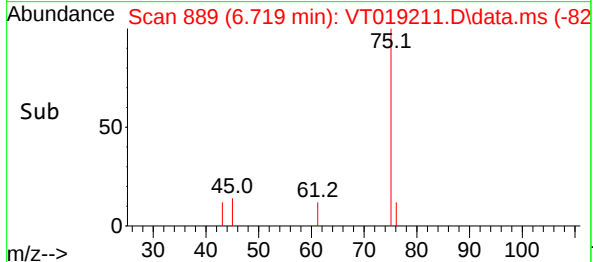
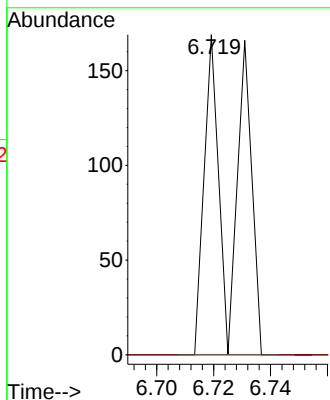
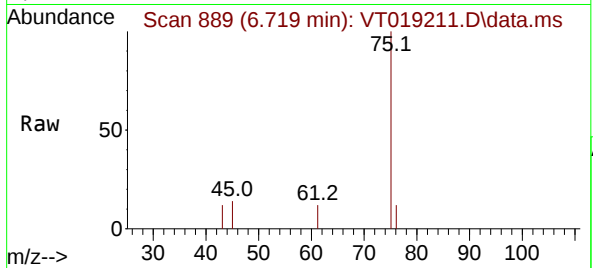




#25
2-Butanone
Concen: 0.069 ug/l
RT: 6.719 min Scan# 81
Delta R.T. 0.053 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

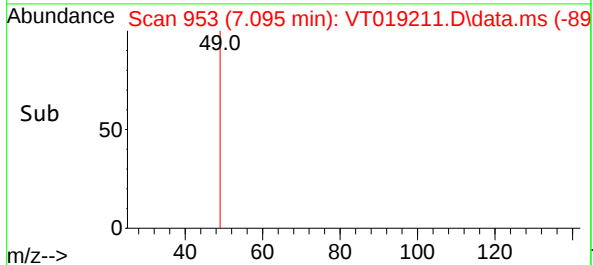
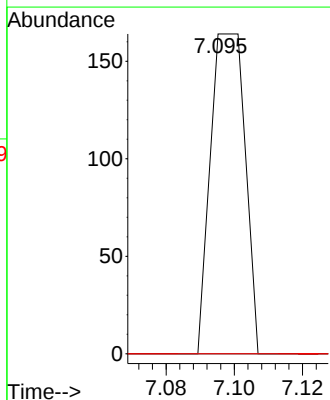
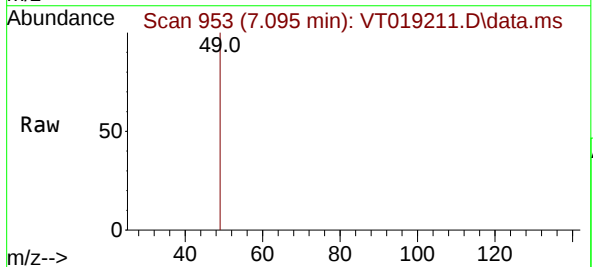
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

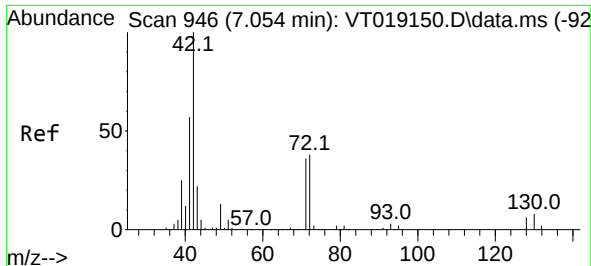
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#28
Bromochloromethane
Concen: 0.073 ug/l
RT: 7.095 min Scan# 953
Delta R.T. 0.053 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 49 Resp: 116
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 48.6 73.0#





#29

Tetrahydrofuran

Concen: 0.059 ug/l

RT: 7.125 min Scan# 91

Delta R.T. 0.059 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL03

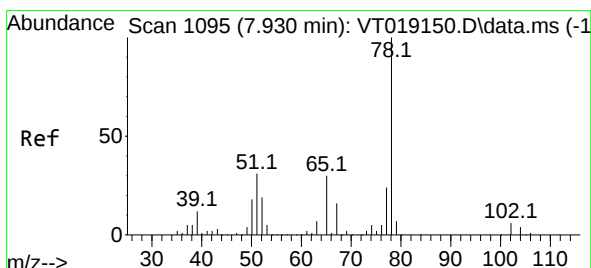
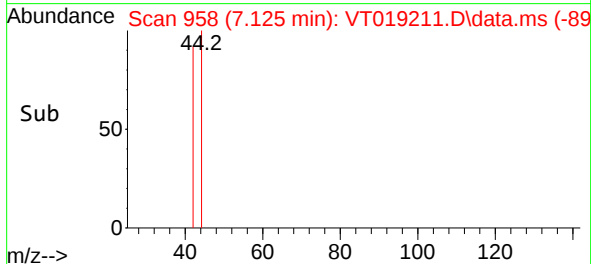
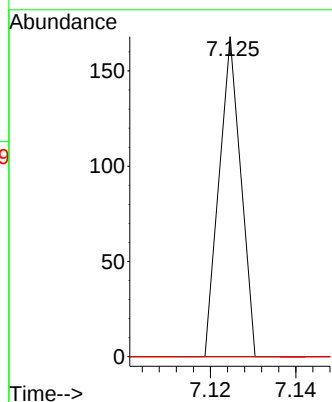
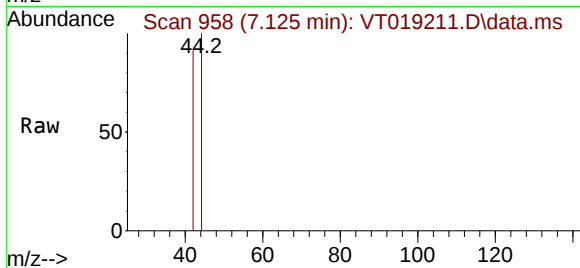
Tgt Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

72 0.0 30.1 45.1#

71 0.0 28.4 42.6#



#33

1,2-Dichloroethane-d4

Concen: 46.231 ug/l

RT: 7.982 min Scan# 1104

Delta R.T. 0.047 min

Lab File: VT019211.D

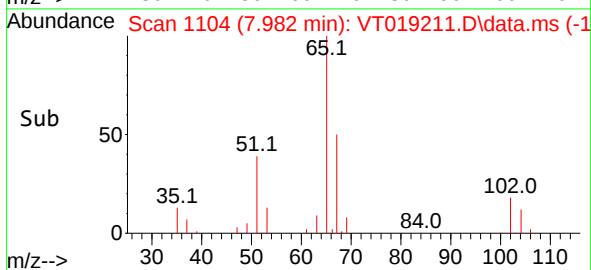
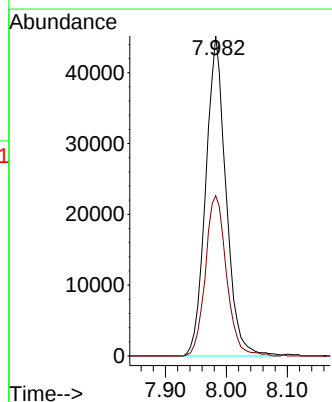
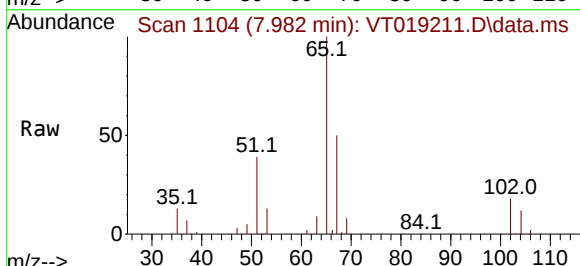
Acq: 30 Oct 2025 11:37

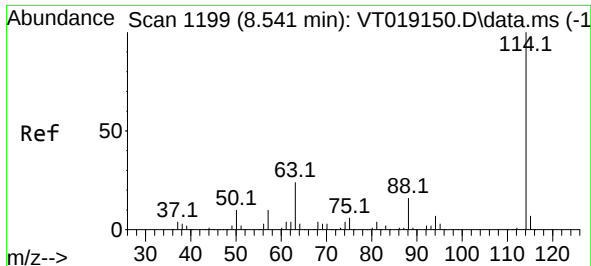
Tgt Ion: 65 Resp: 104112

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.588 min Scan# 11

Delta R.T. 0.041 min

Lab File: VT019211.D

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Instrument :

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ClientSampleId :

VT1030WBL03

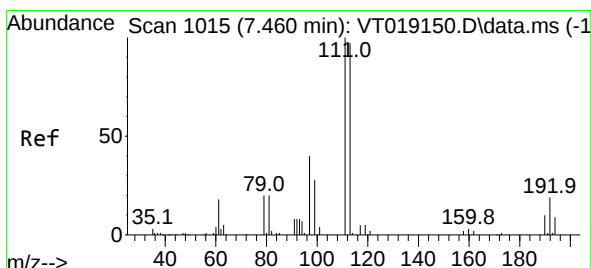
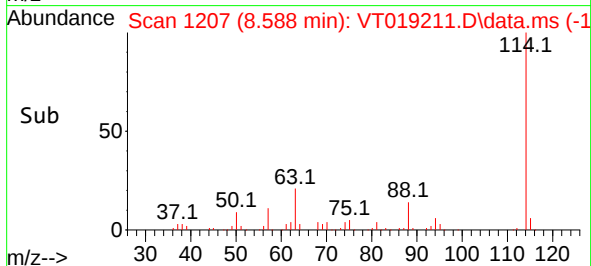
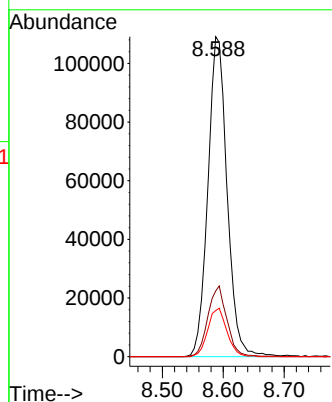
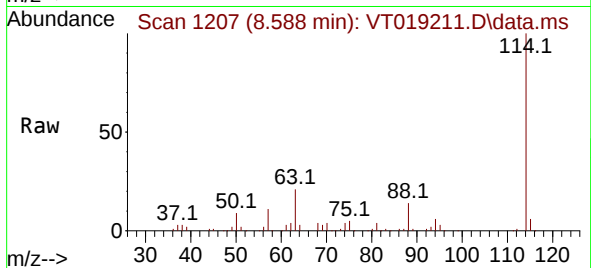
Tgt Ion:114 Resp: 238829

Ion Ratio Lower Upper

114 100

63 20.6 0.0 47.2

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.658 ug/l

RT: 7.512 min Scan# 1024

Delta R.T. 0.047 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

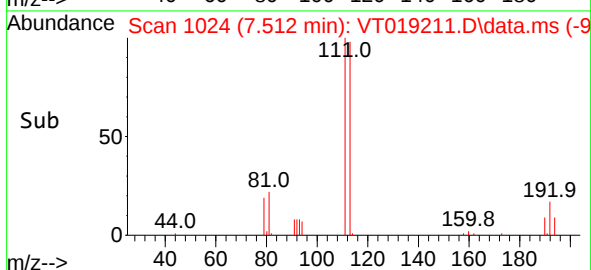
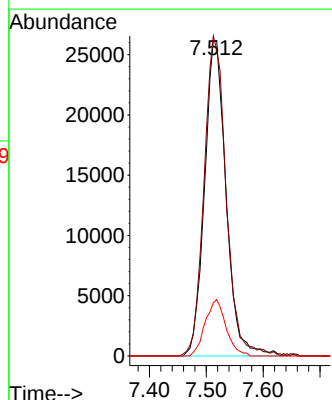
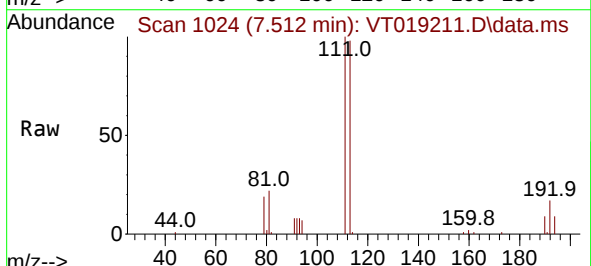
Tgt Ion:113 Resp: 68968

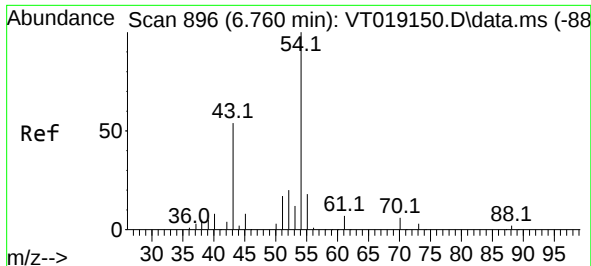
Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

192 17.2 15.3 22.9





#37

Ethyl Acetate

Concen: 0.041 ug/l

RT: 6.719 min Scan# 81

Delta R.T. -0.047 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

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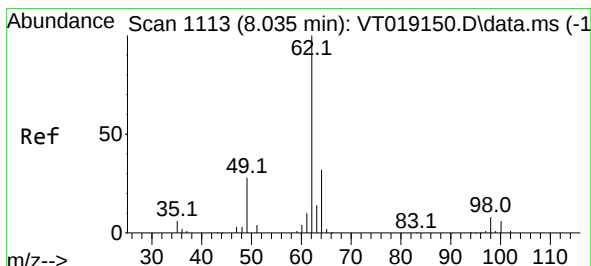
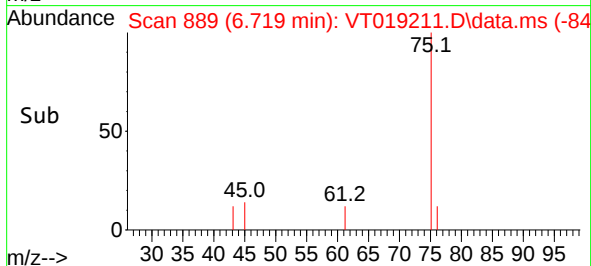
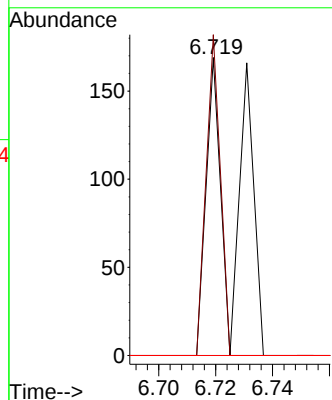
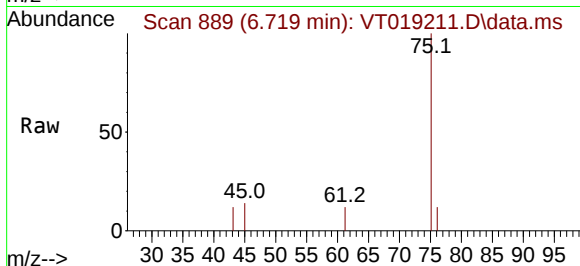
Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

43 100

61 54.2 10.0 15.0#

70 0.0 7.3 10.9#



#42

1,2-Dichloroethane

Concen: 0.033 ug/l

RT: 7.971 min Scan# 1102

Delta R.T. -0.070 min

Lab File: VT019211.D

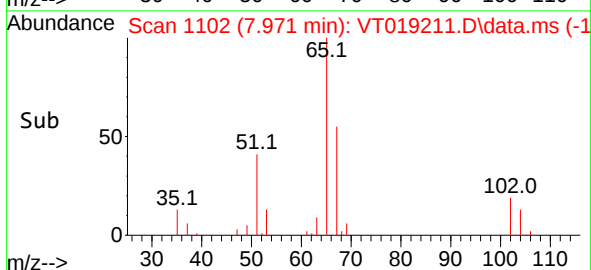
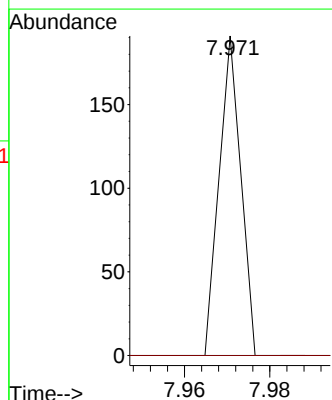
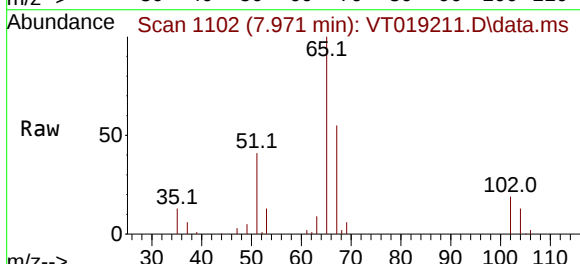
Acq: 30 Oct 2025 11:37

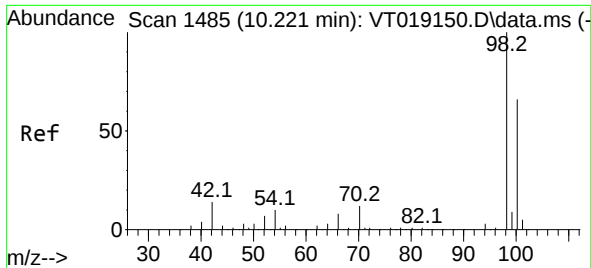
Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6

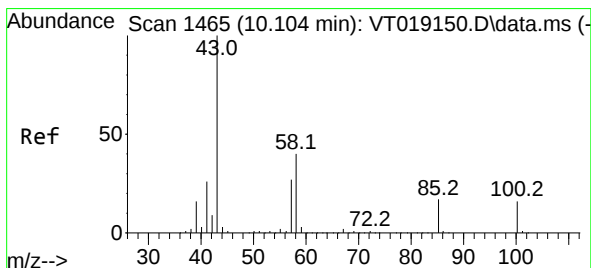
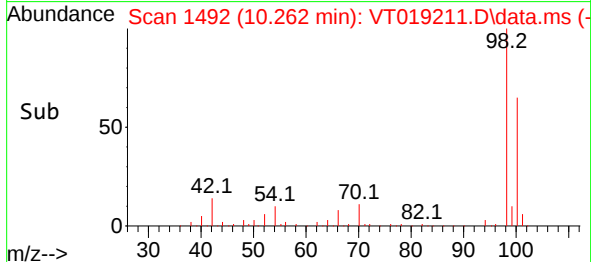
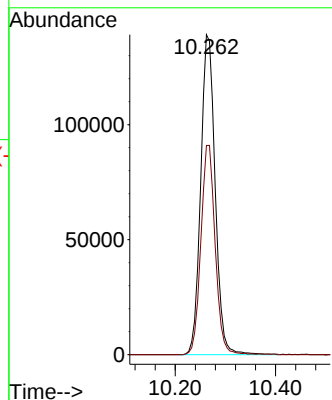
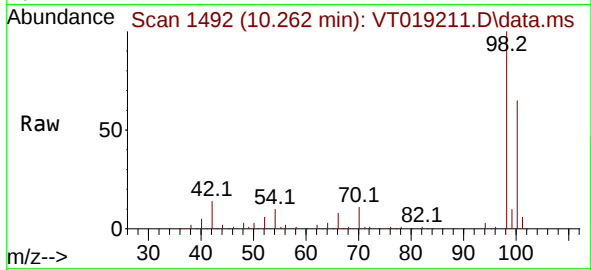




#50
Toluene-d8
Concen: 45.385 ug/l
RT: 10.262 min Scan# 1485
Delta R.T. 0.035 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

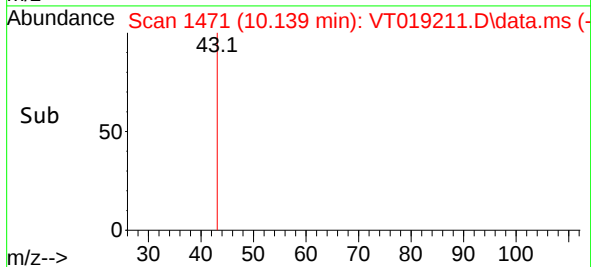
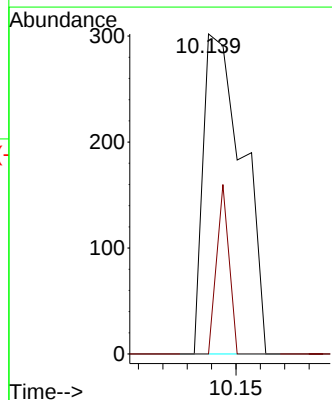
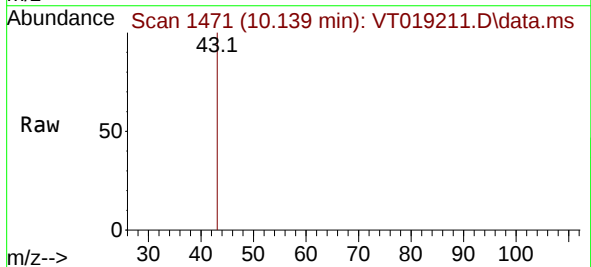
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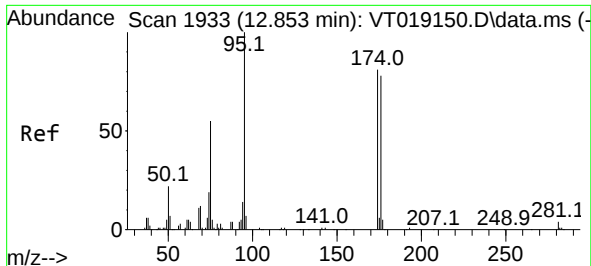
Tgt Ion: 98 Resp: 278398
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.123 ug/l
RT: 10.139 min Scan# 1471
Delta R.T. 0.030 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

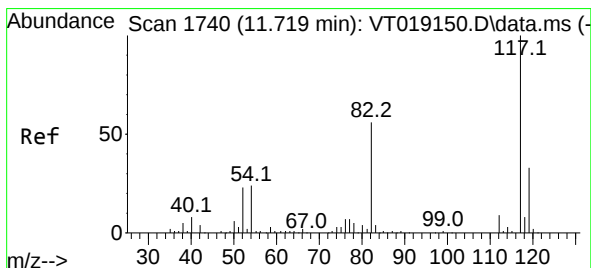
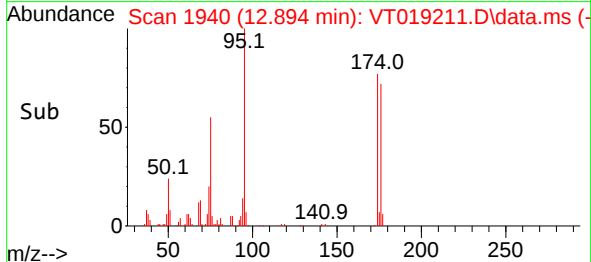
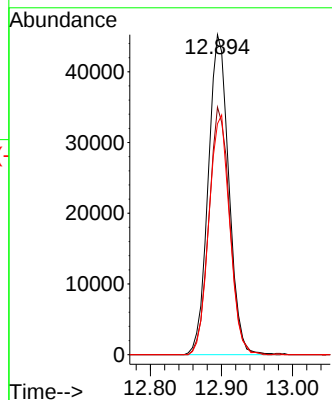
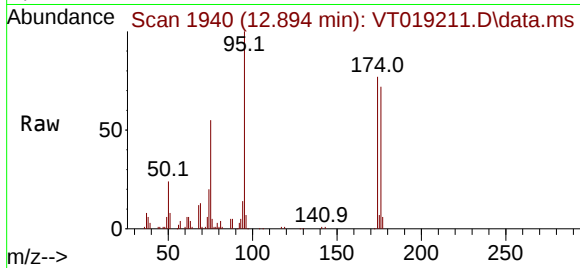




#62
4-Bromofluorobenzene
Concen: 47.261 ug/l
RT: 12.894 min Scan# 1933
Delta R.T. 0.035 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

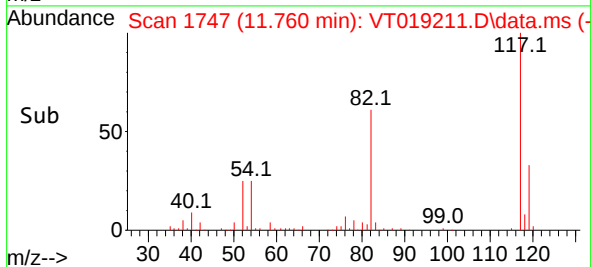
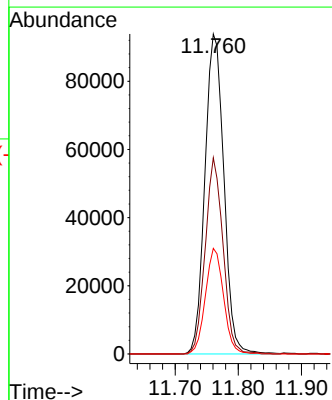
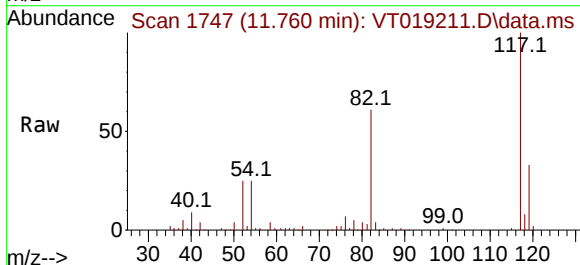
Instrument :
MSVOA_T
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VT1030WBL03

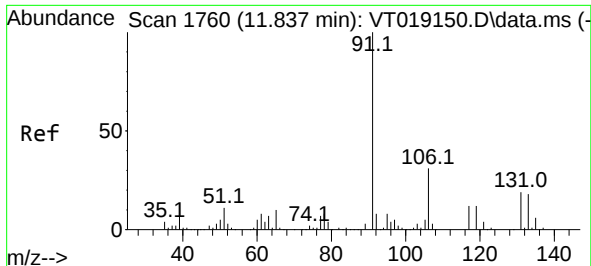
Tgt Ion: 95 Resp: 91137
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.6
176 75.5 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.760 min Scan# 1747
Delta R.T. 0.035 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 117 Resp: 195034
Ion Ratio Lower Upper
117 100
82 61.3 45.1 67.7
119 33.0 26.6 40.0

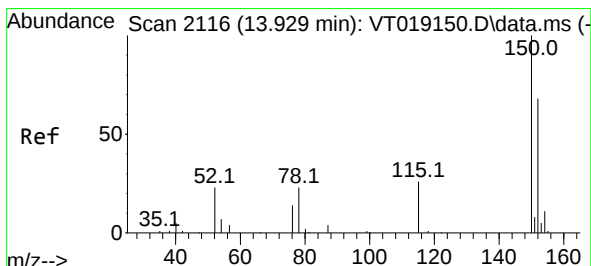
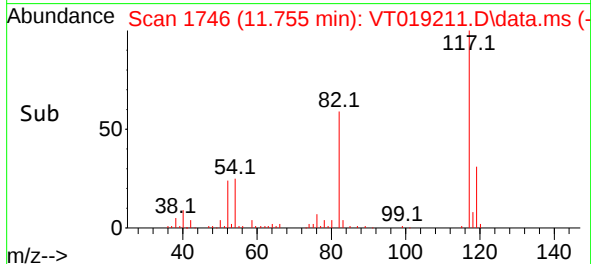
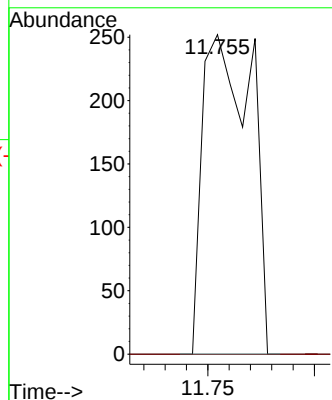
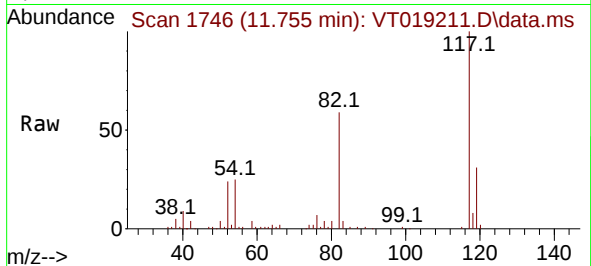




#67
Ethyl Benzene
Concen: 0.061 ug/l
RT: 11.755 min Scan# 11
Delta R.T. -0.088 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

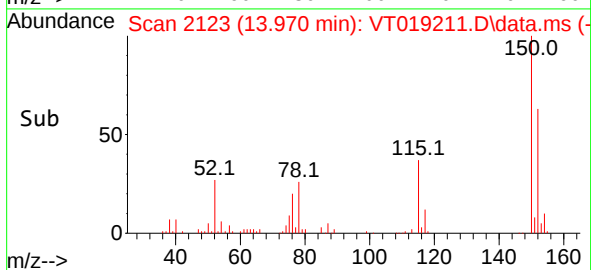
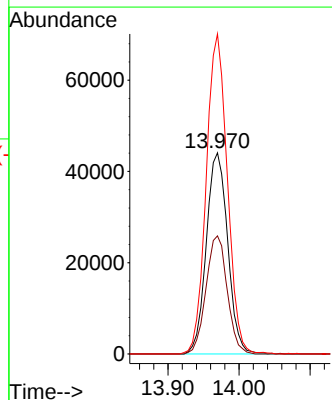
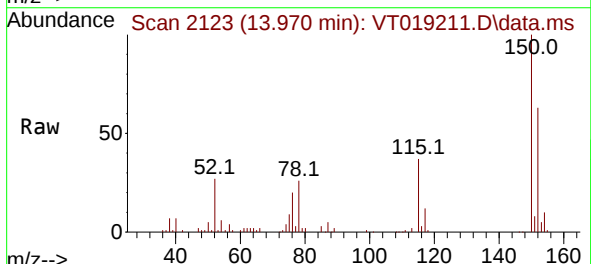
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

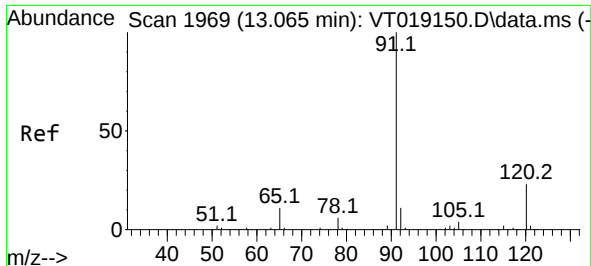
Tgt Ion: 91 Resp: 396
Ion Ratio Lower Upper
91 100
106 0.0 24.8 37.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.970 min Scan# 2123
Delta R.T. 0.041 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion:152 Resp: 92300
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.9
150 156.7 0.0 342.6

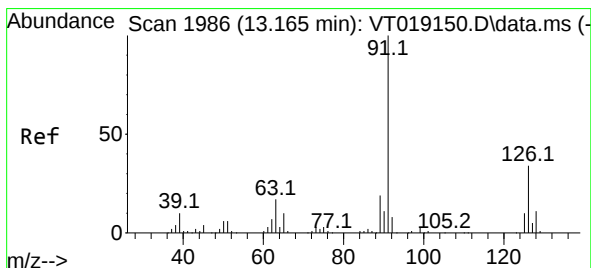
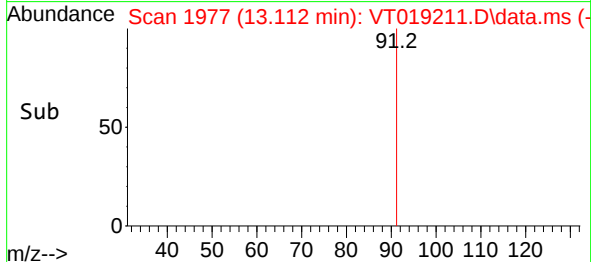
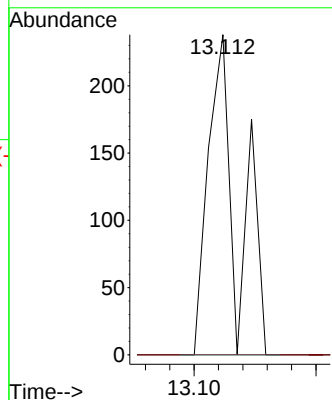
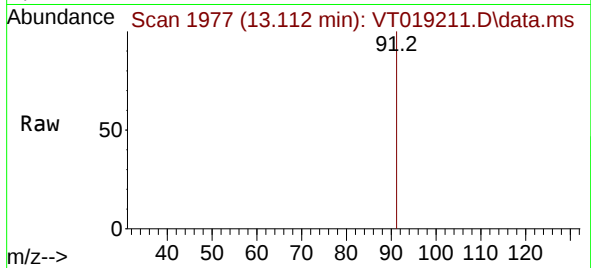




#78
n-propylbenzene
Concen: 0.026 ug/l
RT: 13.112 min Scan# 1969
Delta R.T. 0.041 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

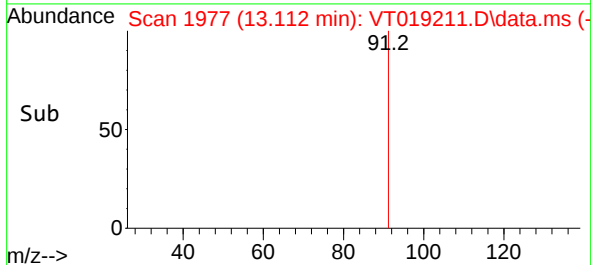
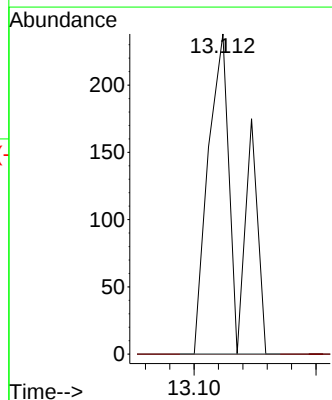
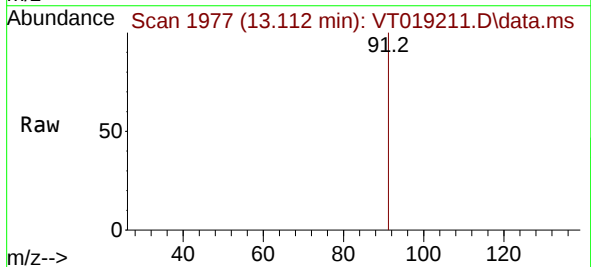
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

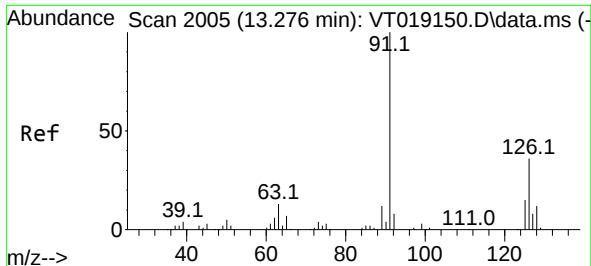
Tgt Ion: 91 Resp: 200
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#



#79
2-Chlorotoluene
Concen: 0.046 ug/l
RT: 13.112 min Scan# 1977
Delta R.T. -0.059 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 91 Resp: 200
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

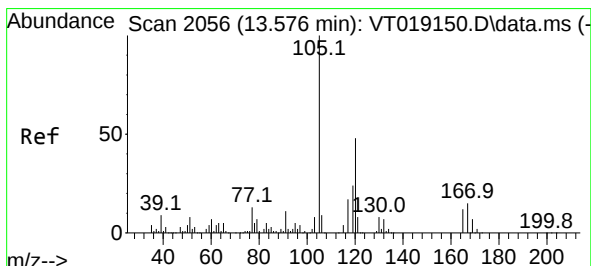
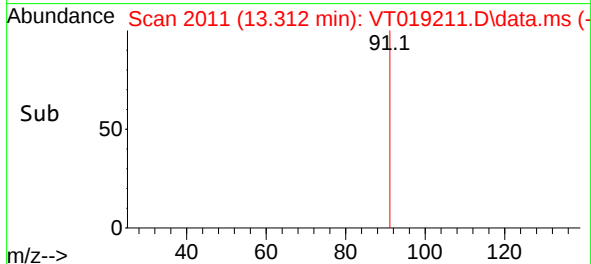
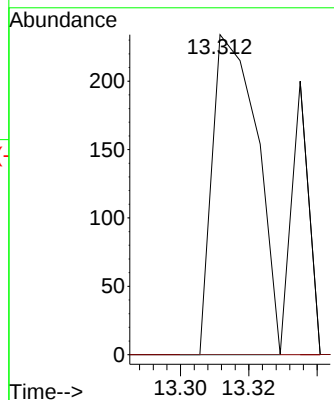
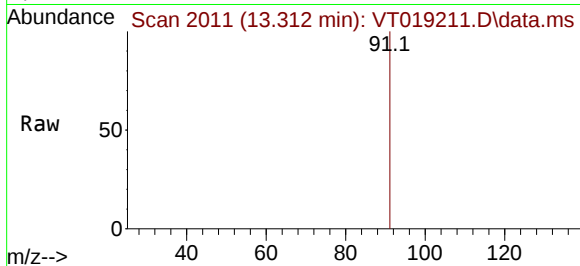




#82
4-Chlorotoluene
Concen: 0.048 ug/l
RT: 13.312 min Scan# 2011
Delta R.T. 0.030 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

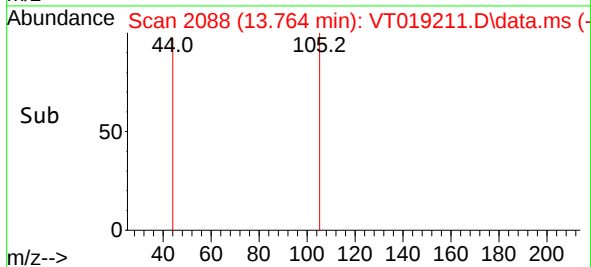
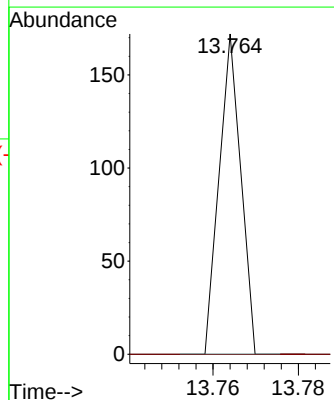
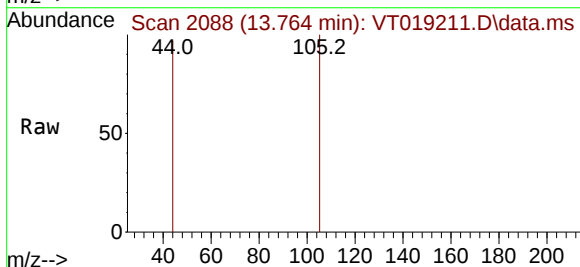
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

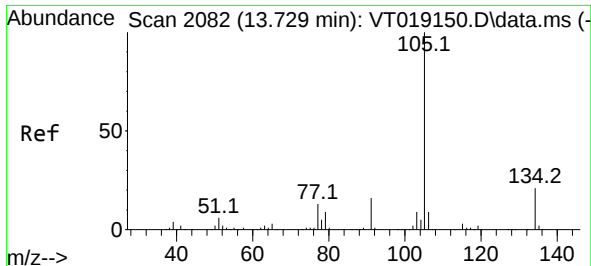
Tgt Ion: 91 Resp: 212
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



#84
1,2,4-Trimethylbenzene
Concen: 0.012 ug/l
RT: 13.764 min Scan# 2088
Delta R.T. 0.182 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion: 105 Resp: 61
Ion Ratio Lower Upper
105 100
120 0.0 23.7 71.1#

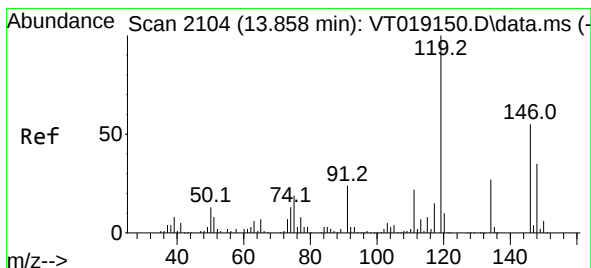
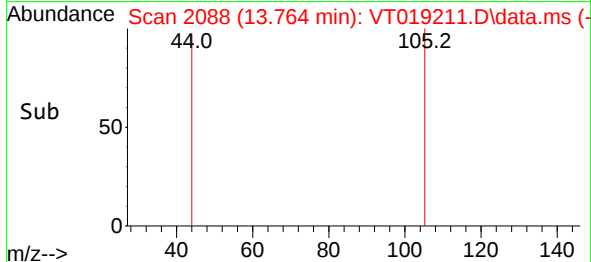
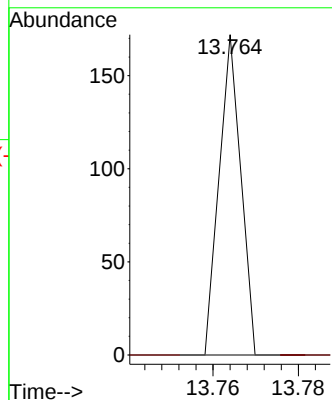
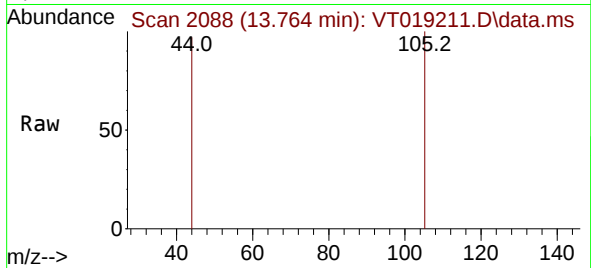




#85
 sec-Butylbenzene
 Concen: 0.009 ug/l
 RT: 13.764 min Scan# 2088
 Delta R.T. 0.035 min
 Lab File: VT019211.D
 Acq: 30 Oct 2025 11:37

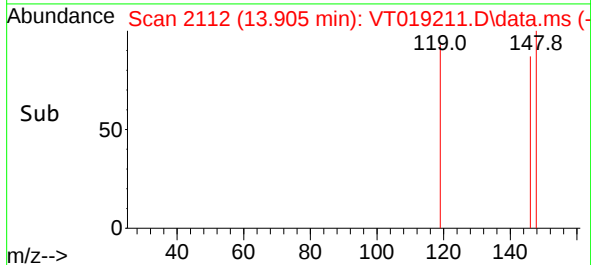
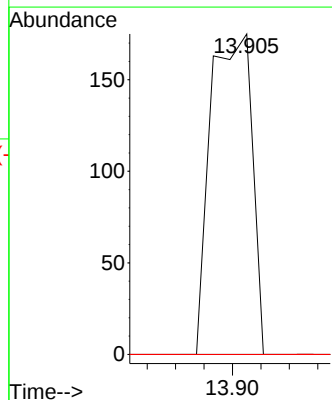
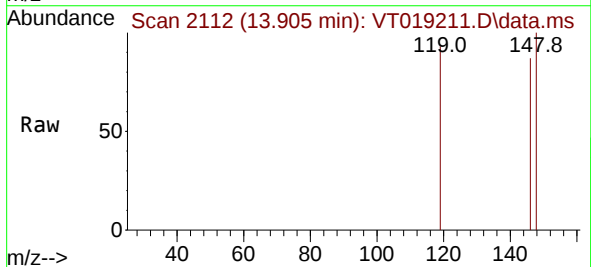
Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL03

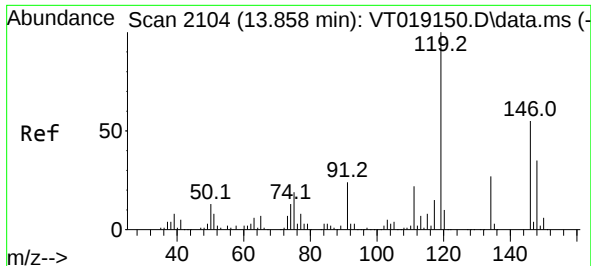
Tgt Ion:105 Resp: 61
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 32.1#



#86
 p-Isopropyltoluene
 Concen: 0.030 ug/l
 RT: 13.905 min Scan# 2112
 Delta R.T. 0.041 min
 Lab File: VT019211.D
 Acq: 30 Oct 2025 11:37

Tgt Ion:119 Resp: 176
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.4 40.1#
 91 0.0 11.7 35.1#

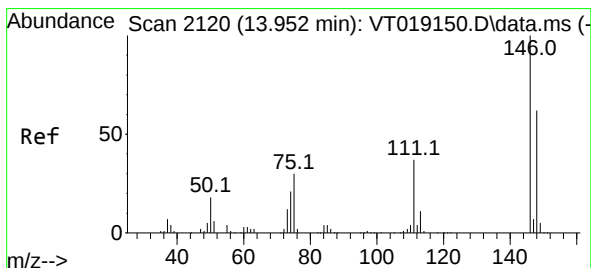
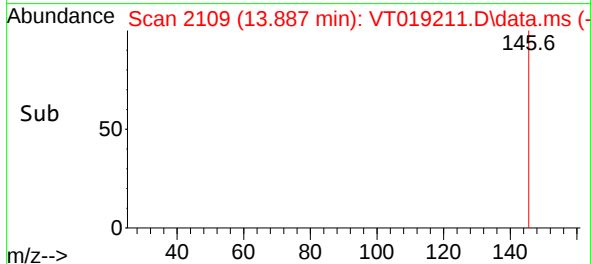
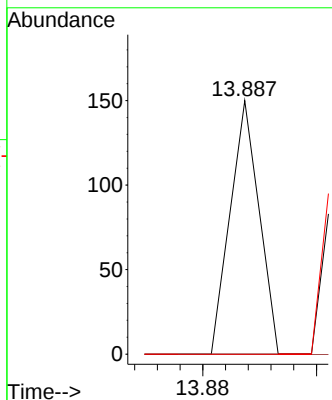
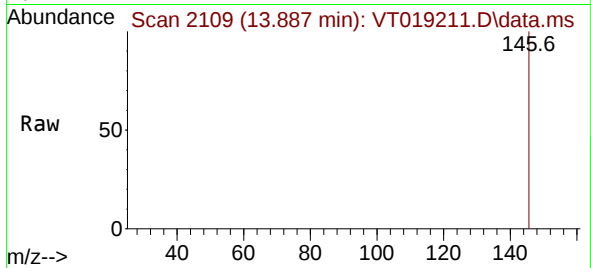




#87
1,3-Dichlorobenzene
Concen: 0.019 ug/l
RT: 13.887 min Scan# 2109
Delta R.T. 0.023 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

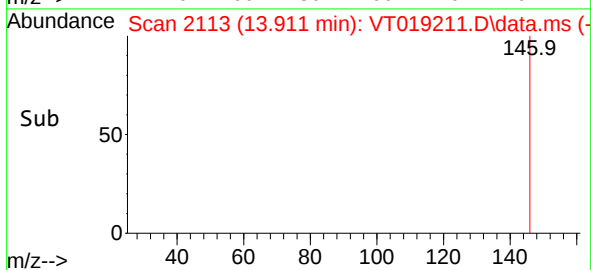
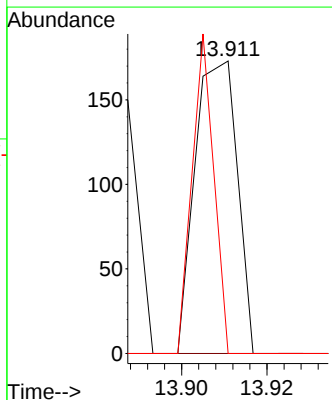
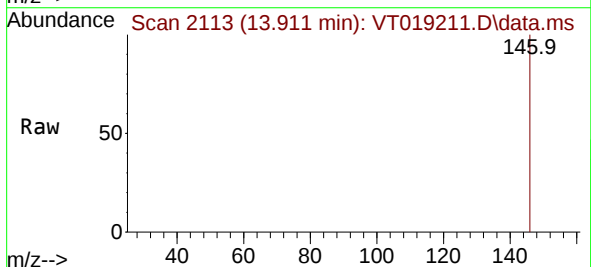
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL03

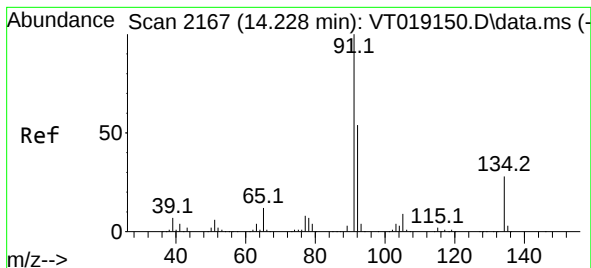
Tgt Ion:146 Resp: 53
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 0.0 32.1 96.3#



#88
1,4-Dichlorobenzene
Concen: 0.043 ug/l
RT: 13.911 min Scan# 2113
Delta R.T. -0.041 min
Lab File: VT019211.D
Acq: 30 Oct 2025 11:37

Tgt Ion:146 Resp: 119
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 56.3 31.8 95.4





#89

n-Butylbenzene

Concen: 0.072 ug/l

RT: 14.269 min Scan# 2174

Delta R.T. 0.035 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL03

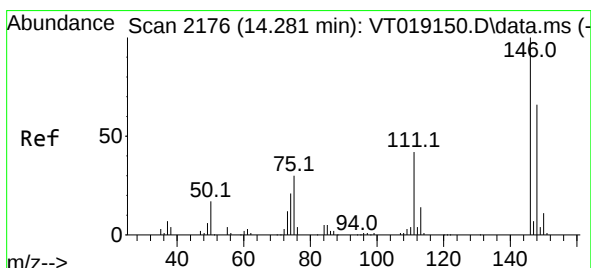
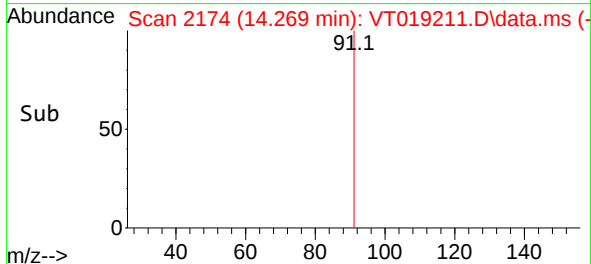
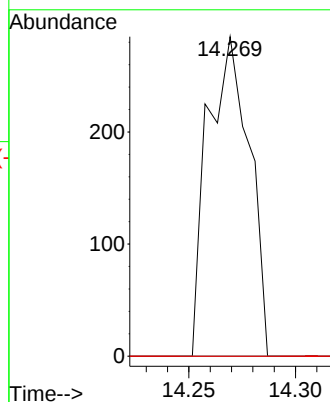
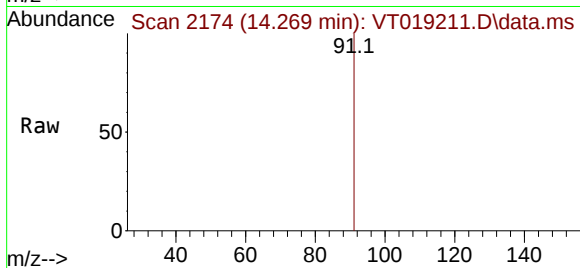
Tgt Ion: 91 Resp: 387

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 13.7 41.0#



#91

1,2-Dichlorobenzene

Concen: 0.023 ug/l

RT: 14.328 min Scan# 2184

Delta R.T. 0.041 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

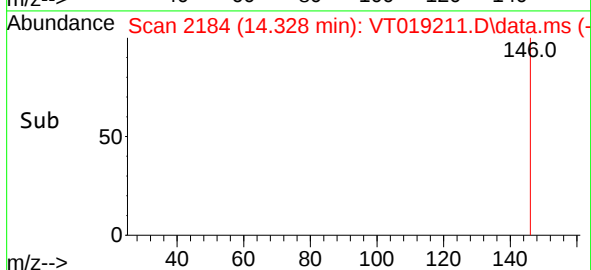
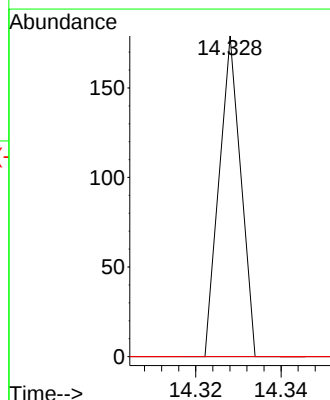
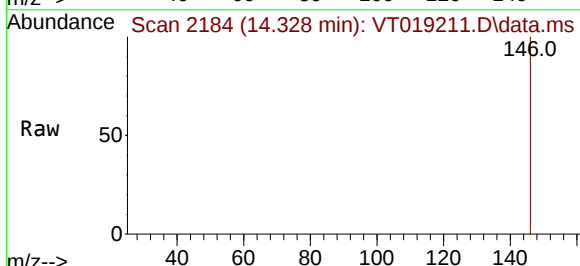
Tgt Ion: 146 Resp: 63

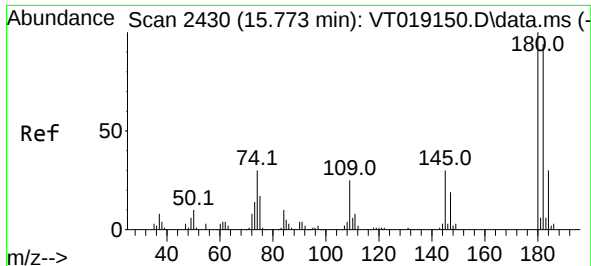
Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.4#

148 0.0 32.6 97.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.119 ug/l

RT: 15.815 min Scan# 2430

Delta R.T. 0.042 min

Lab File: VT019211.D

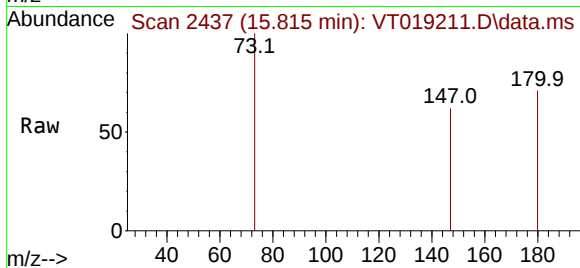
Acq: 30 Oct 2025 11:37

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL03



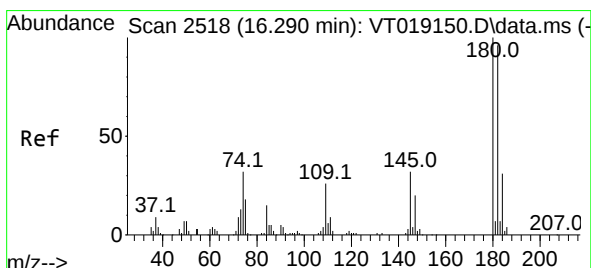
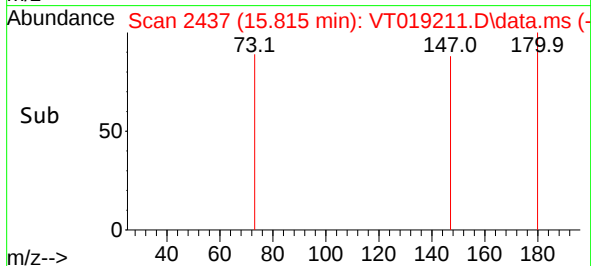
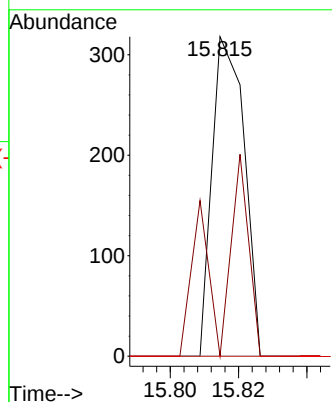
Tgt Ion:180 Resp: 207

Ion Ratio Lower Upper

180 100

182 26.6 47.0 141.0#

145 0.0 15.0 45.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.031 ug/l

RT: 16.349 min Scan# 2528

Delta R.T. 0.053 min

Lab File: VT019211.D

Acq: 30 Oct 2025 11:37

Tgt Ion:180 Resp: 54

Ion Ratio Lower Upper

180 100

182 122.2 47.6 142.8

145 0.0 15.8 47.4#

