

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102325\
 Data File : VT019167.D
 Acq On : 23 Oct 2025 12:13
 Operator : SY/MD
 Sample : VT1023WBL02
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1023WBL02

Quant Time: Oct 24 06:42:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:37:52 2025
 Response via : Initial Calibration

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

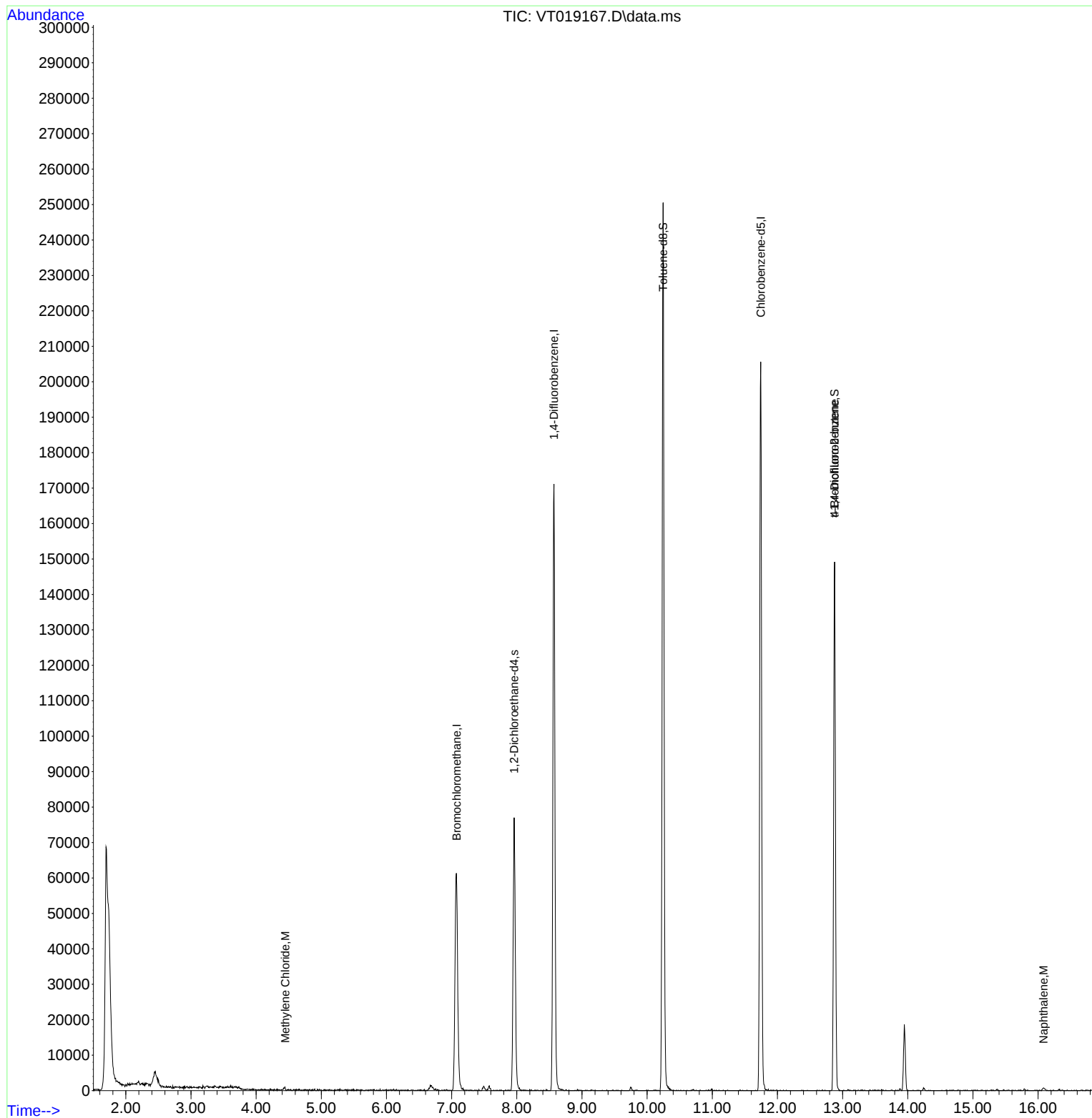
Internal Standards						
1) Bromochloromethane	7.078	128	22261	30.000	ug/l	# 0.00
28) 1,4-Difluorobenzene	8.570	114	152191	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.743	117	125504	30.000	ug/l	-0.01
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.959	65	62914	32.259	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.533%
60) 4-Bromofluorobenzene	12.877	95	55910	28.345	ug/l	-0.01
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.467%
63) Toluene-d8	10.245	98	182657	29.902	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
18) Methylene Chloride	4.446	84	412	0.276	ug/l #	42
77) t-1,4-Dichloro-2-butene	12.877	75	32354	39.985	ug/l #	7
91) Naphthalene	16.085	128	1941	0.311	ug/l #	69

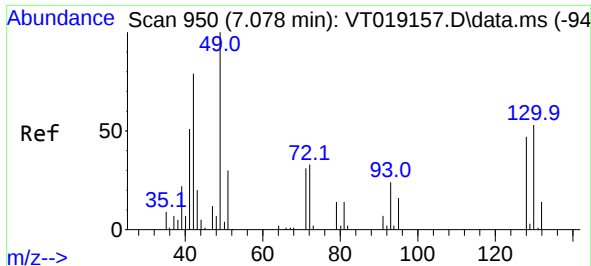
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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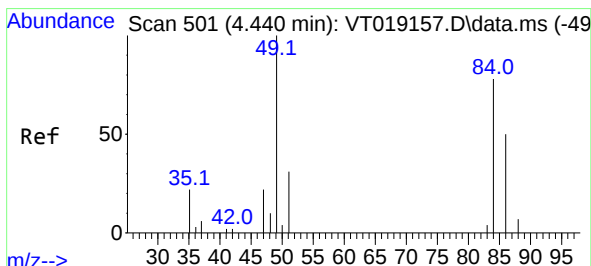
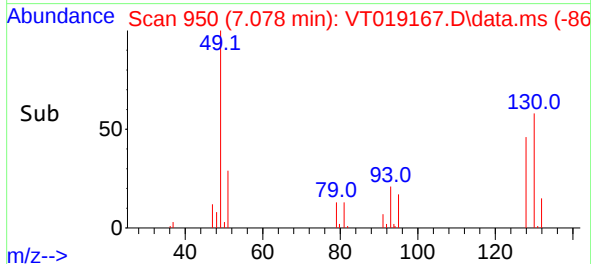
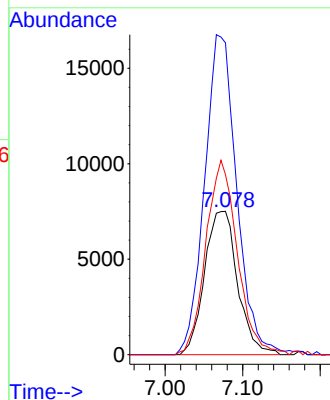
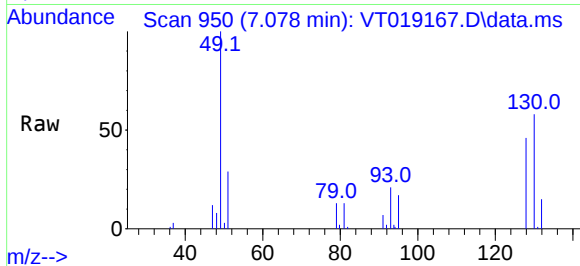




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.078 min Scan# 91
Delta R.T. -0.000 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

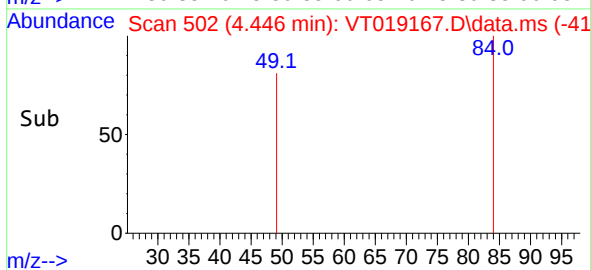
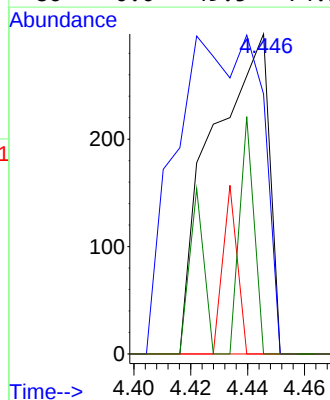
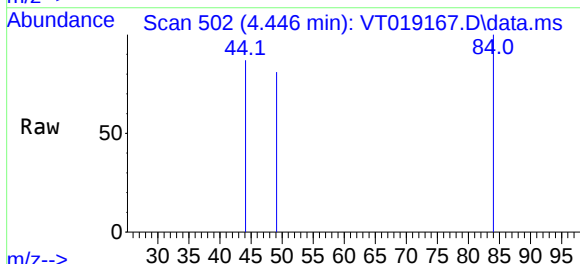
Instrument :
MSVOA_T
ClientSampleId :
VT1023WBL02

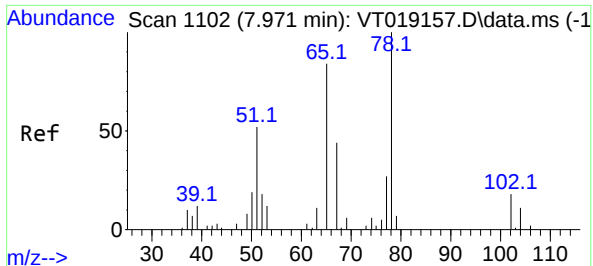
Tgt Ion:128 Resp: 22261
Ion Ratio Lower Upper
128 100
49 216.3 0.0 0.0#
130 129.2 0.0 0.0#



#18
Methylene Chloride
Concen: 0.276 ug/l
RT: 4.446 min Scan# 502
Delta R.T. 0.018 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

Tgt Ion: 84 Resp: 412
Ion Ratio Lower Upper
84 100
49 81.2 107.9 161.9#
51 0.0 33.4 50.2#
86 0.0 49.5 74.3#





#27

1,2-Dichloroethane-d4

Concen: 32.259 ug/l

RT: 7.959 min Scan# 1100

Delta R.T. -0.012 min

Lab File: VT019167.D

Acq: 23 Oct 2025 12:13

Instrument :

MSVOA_T

ClientSampleId :

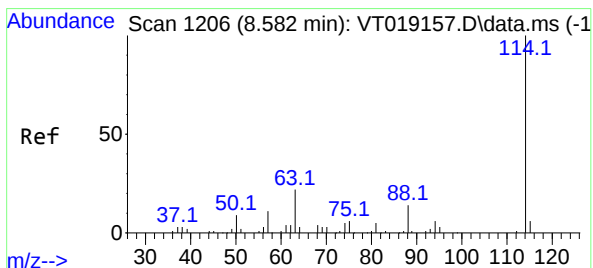
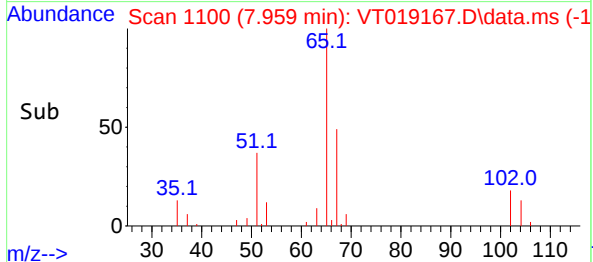
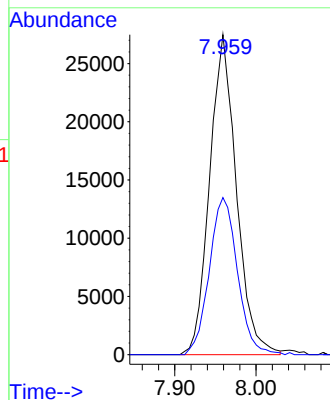
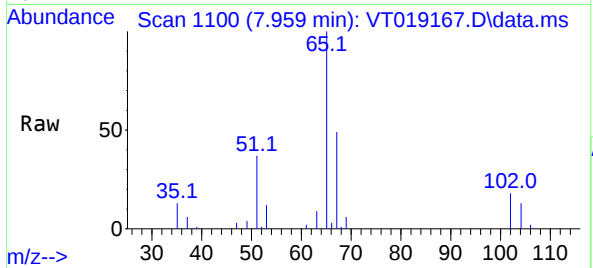
VT1023WBL02

Tgt Ion: 65 Resp: 62914

Ion Ratio Lower Upper

65 100

67 51.7 40.7 61.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.570 min Scan# 1204

Delta R.T. -0.006 min

Lab File: VT019167.D

Acq: 23 Oct 2025 12:13

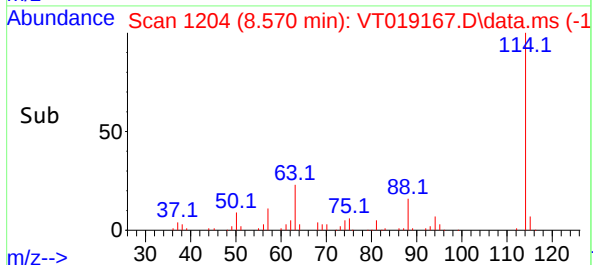
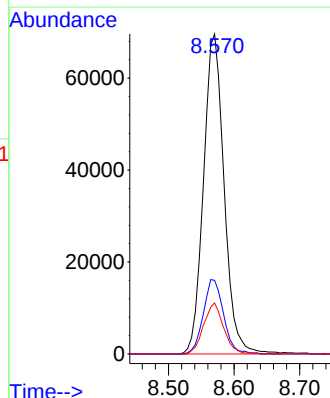
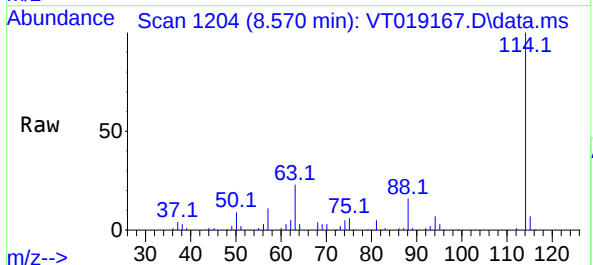
Tgt Ion: 114 Resp: 152191

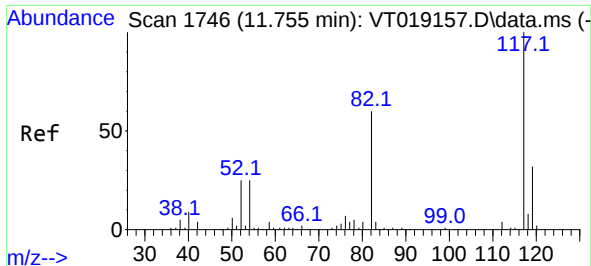
Ion Ratio Lower Upper

114 100

63 22.5 17.4 26.0

88 15.3 13.0 19.6

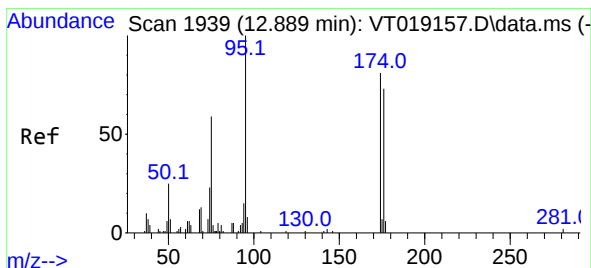
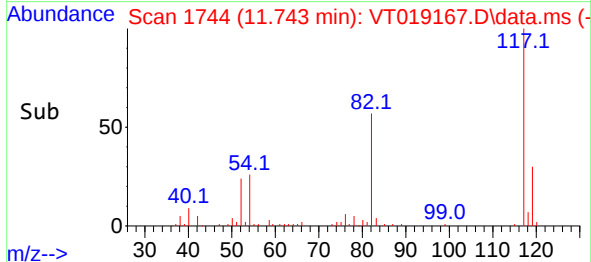
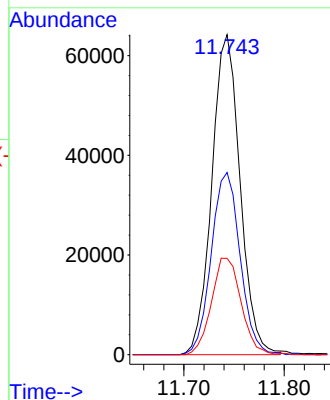
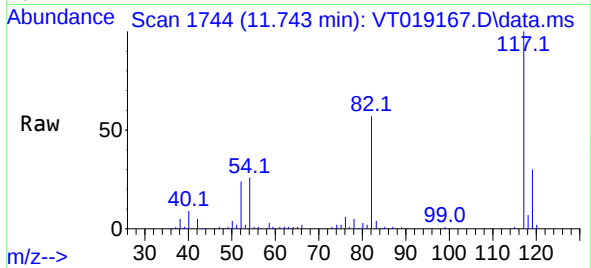




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.743 min Scan# 11
Delta R.T. -0.012 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

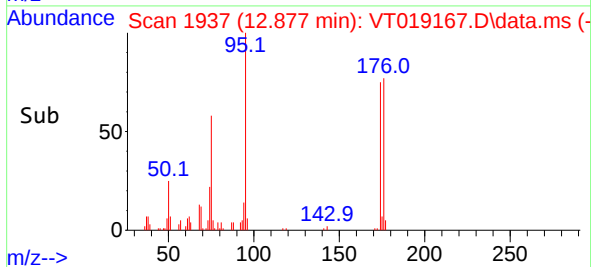
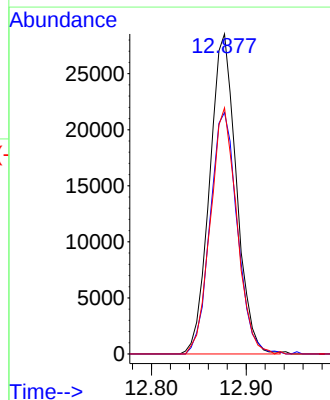
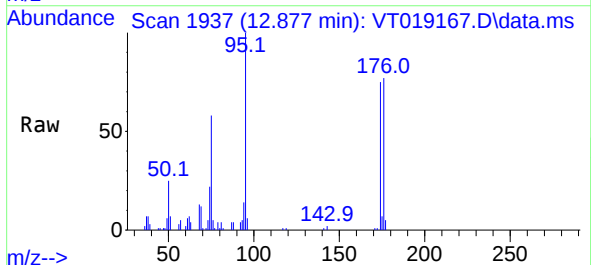
Instrument :
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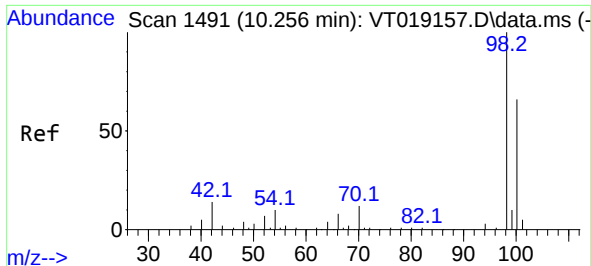
Tgt Ion:117 Resp: 125504
Ion Ratio Lower Upper
117 100
82 58.1 46.0 69.0
119 31.6 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 28.345 ug/l
RT: 12.877 min Scan# 1937
Delta R.T. -0.012 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

Tgt Ion: 95 Resp: 55910
Ion Ratio Lower Upper
95 100
174 76.7 57.5 86.3
176 75.7 56.4 84.6

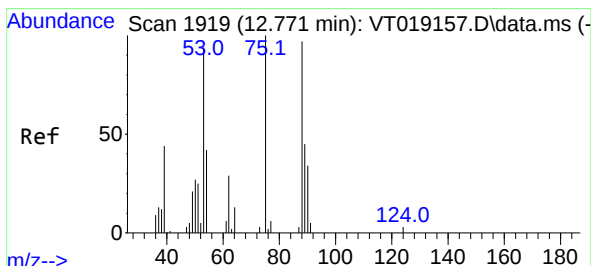
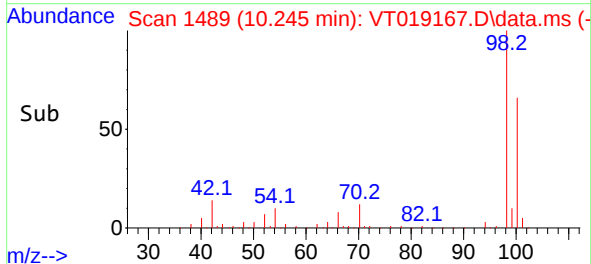
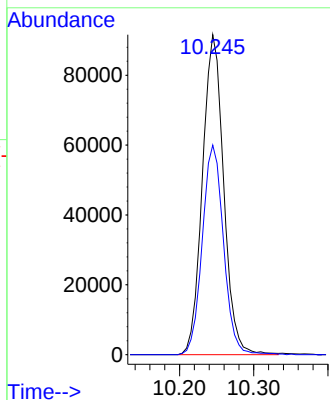
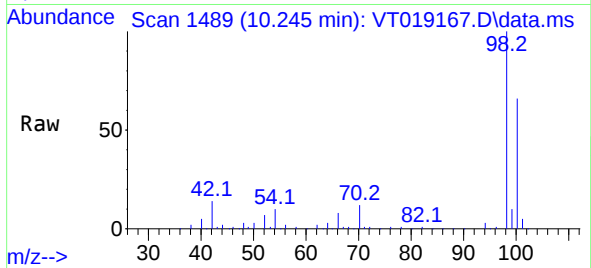




#63
Toluene-d8
Concen: 29.902 ug/l
RT: 10.245 min Scan# 1491
Delta R.T. -0.011 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

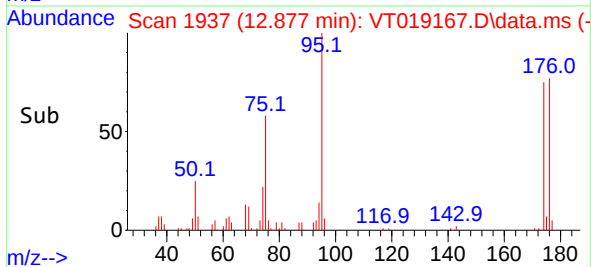
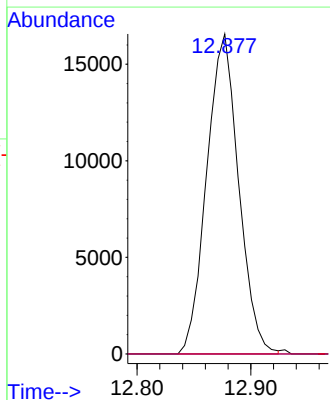
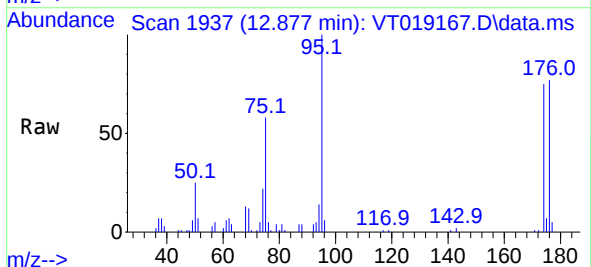
Instrument :
MSVOA_T
ClientSampleId :
VT1023WBL02

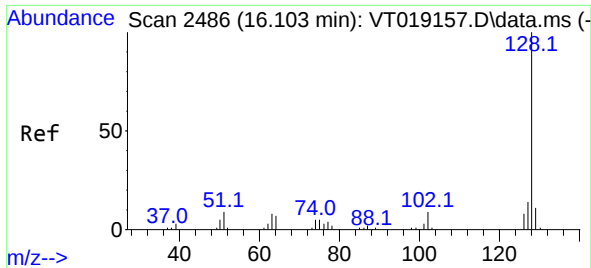
Tgt Ion: 98 Resp: 182657
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#77
t-1,4-Dichloro-2-butene
Concen: 39.985 ug/l
RT: 12.877 min Scan# 1937
Delta R.T. 0.112 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

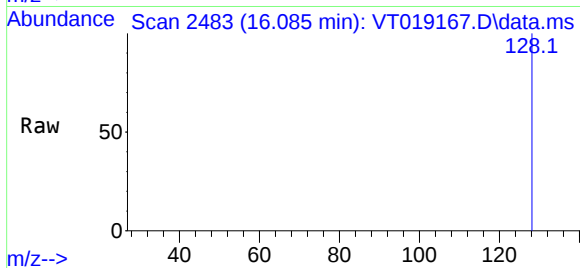
Tgt Ion: 75 Resp: 32354
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.2#
89 0.0 33.8 101.3#





#91
Naphthalene
Concen: 0.311 ug/l
RT: 16.085 min Scan# 24
Delta R.T. -0.012 min
Lab File: VT019167.D
Acq: 23 Oct 2025 12:13

Instrument :
MSVOA_T
ClientSampleId :
VT1023WBL02



Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#

