

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102425\
 Data File : VT019176.D
 Acq On : 24 Oct 2025 11:23
 Operator : SY/MD
 Sample : VT1024WBL02
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1024WBL02

Quant Time: Oct 25 01:42:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 2025
 Response via : Initial Calibration

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

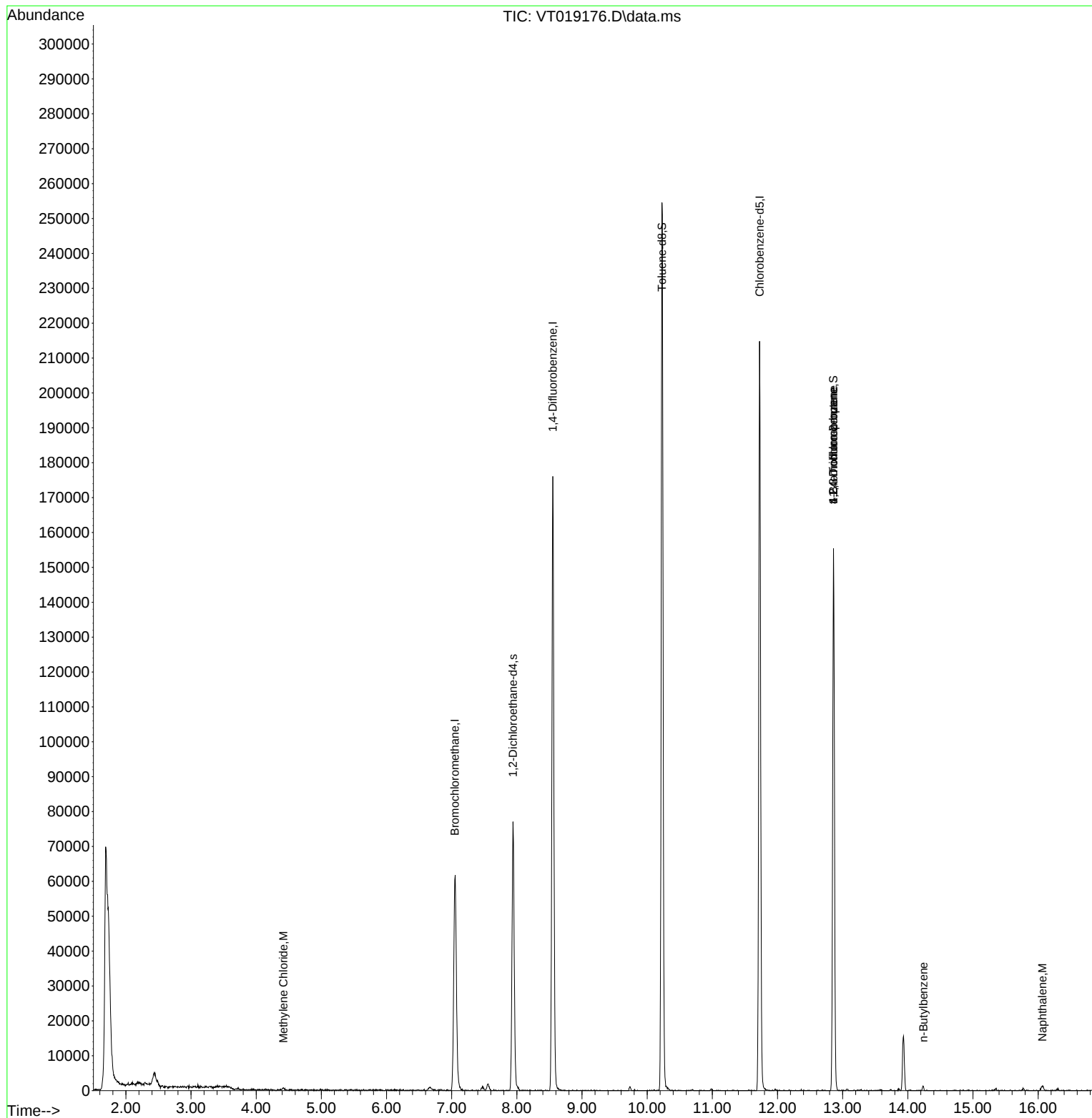
Internal Standards						
1) Bromochloromethane	7.048	128	23133	30.000	ug/l	#-0.03
28) 1,4-Difluorobenzene	8.553	114	157813	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.725	117	129777	30.000	ug/l	-0.03
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.941	65	63768	31.464	ug/l	-0.03
Spiked Amount	30.000	Range 91 - 110		Recovery	= 104.867%	
60) 4-Bromofluorobenzene	12.859	95	57525	28.203	ug/l	-0.03
Spiked Amount	30.000	Range 63 - 112		Recovery	= 94.000%	
63) Toluene-d8	10.227	98	185650	29.391	ug/l	-0.03
Spiked Amount	30.000	Range 91 - 112		Recovery	= 97.967%	
Target Compounds						
					Qvalue	
18) Methylene Chloride	4.416	84	329	0.212	ug/l #	29
72) 1,2,3-Trichloropropane	12.859	75	33858	19.662	ug/l	39
77) t-1,4-Dichloro-2-butene	12.859	75	33858	40.466	ug/l #	7
85) n-Butylbenzene	14.240	91	1047	0.220	ug/l	88
91) Naphthalene	16.067	128	2642	0.410	ug/l #	72

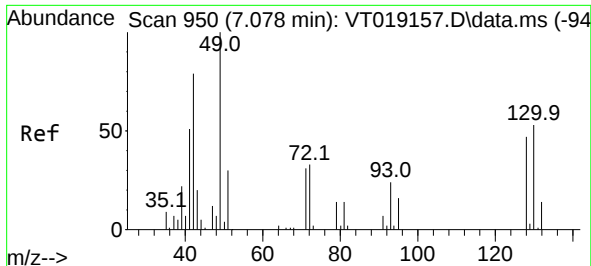
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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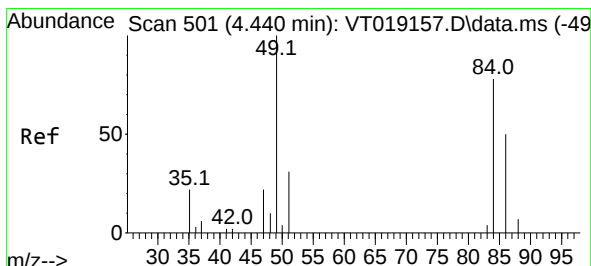
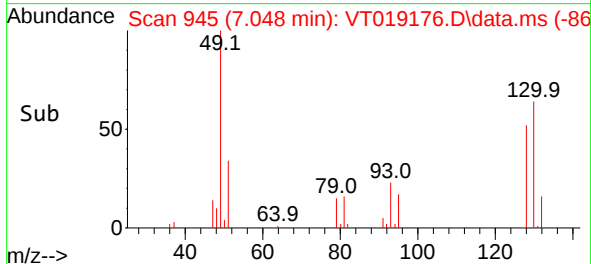
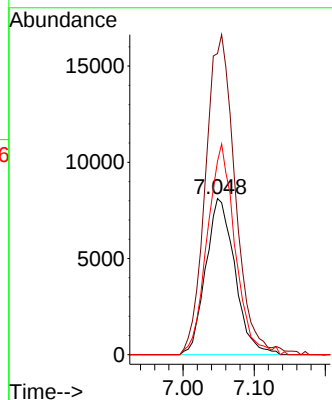
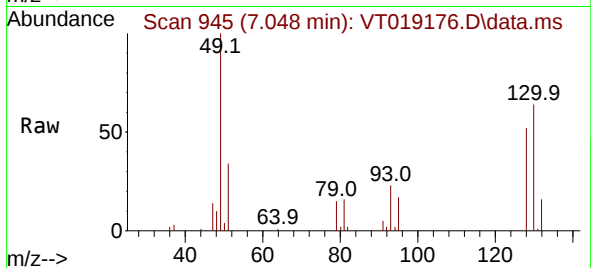




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.048 min Scan# 94
Delta R.T. -0.030 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

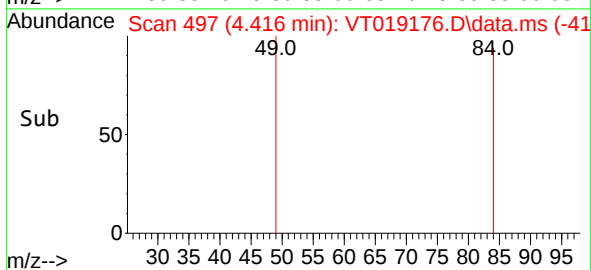
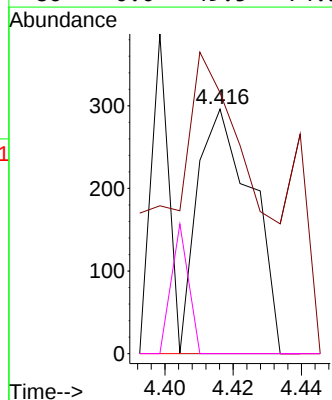
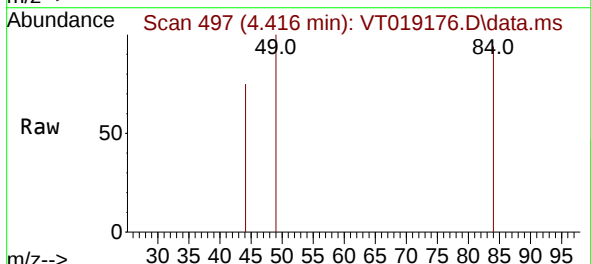
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL02

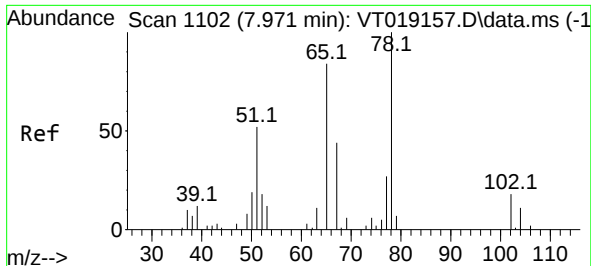
Tgt Ion:128 Resp: 23133
Ion Ratio Lower Upper
128 100
49 207.3 0.0 0.0#
130 128.4 0.0 0.0#



#18
Methylene Chloride
Concen: 0.212 ug/l
RT: 4.416 min Scan# 497
Delta R.T. -0.012 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

Tgt Ion: 84 Resp: 329
Ion Ratio Lower Upper
84 100
49 53.7 107.9 161.9#
51 0.0 33.4 50.2#
86 0.0 49.5 74.3#





#27

1,2-Dichloroethane-d4

Concen: 31.464 ug/l

RT: 7.941 min Scan# 1102

Delta R.T. -0.030 min

Lab File: VT019176.D

Acq: 24 Oct 2025 11:23

Instrument :

MSVOA_T

ClientSampleId :

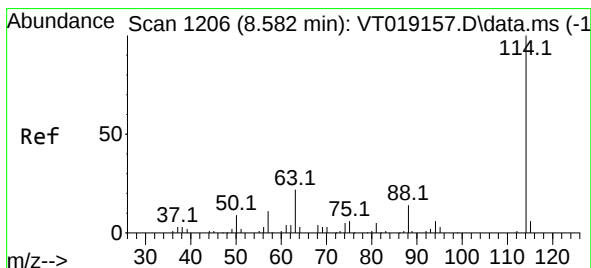
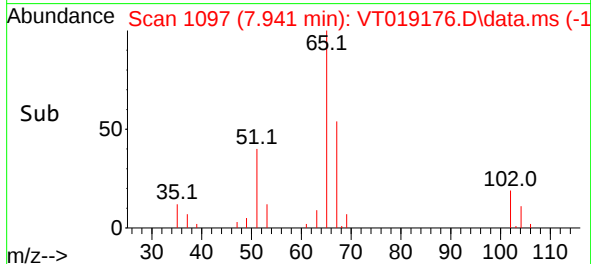
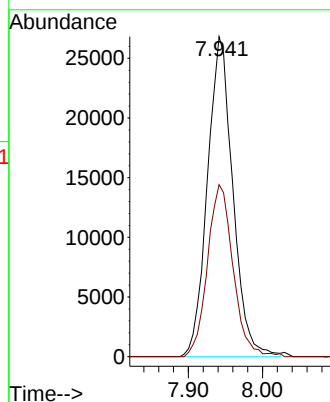
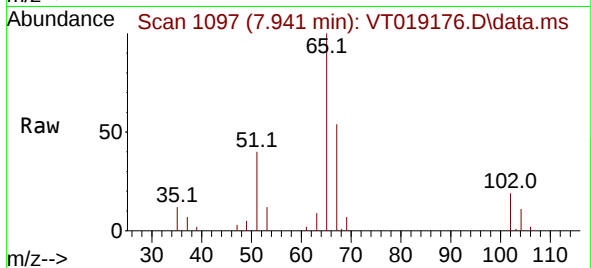
VT1024WBL02

Tgt Ion: 65 Resp: 63768

Ion Ratio Lower Upper

65 100

67 53.7 40.7 61.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.553 min Scan# 1201

Delta R.T. -0.023 min

Lab File: VT019176.D

Acq: 24 Oct 2025 11:23

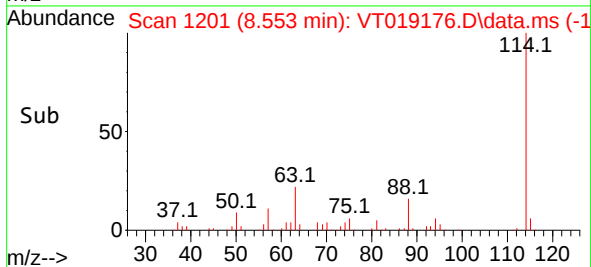
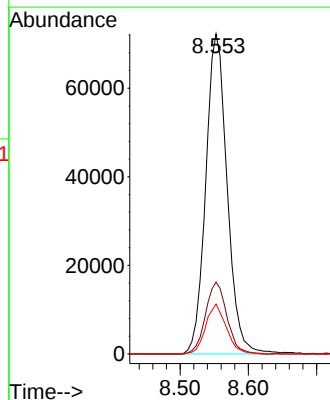
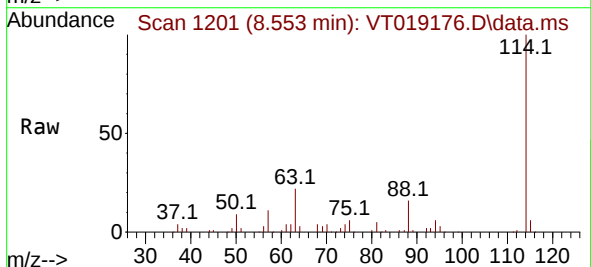
Tgt Ion: 114 Resp: 157813

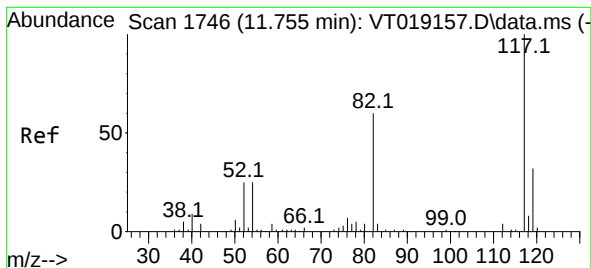
Ion Ratio Lower Upper

114 100

63 22.4 17.4 26.0

88 15.0 13.0 19.6

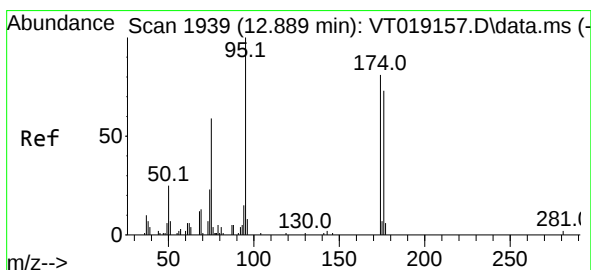
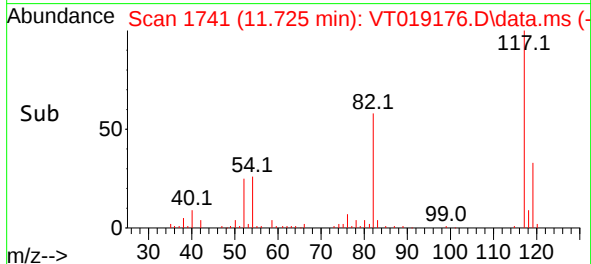
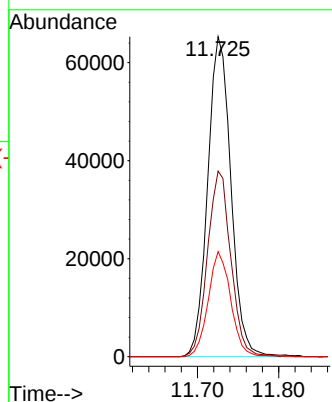
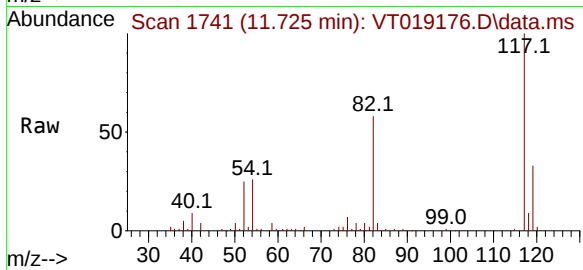




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.725 min Scan# 117
Delta R.T. -0.030 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

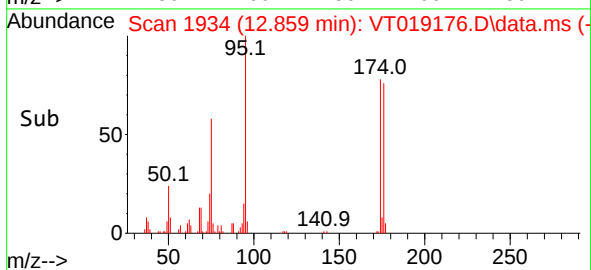
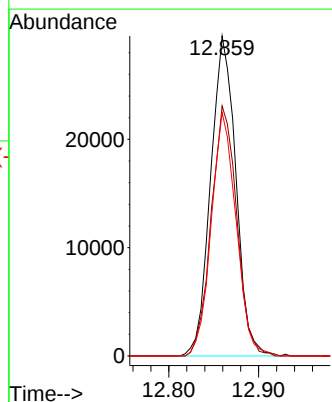
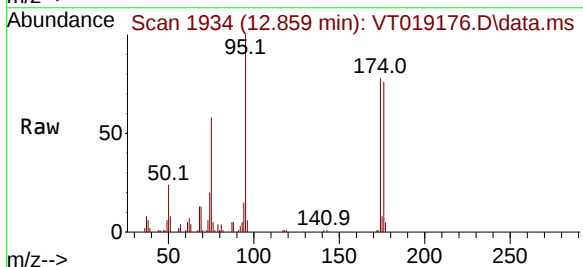
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL02

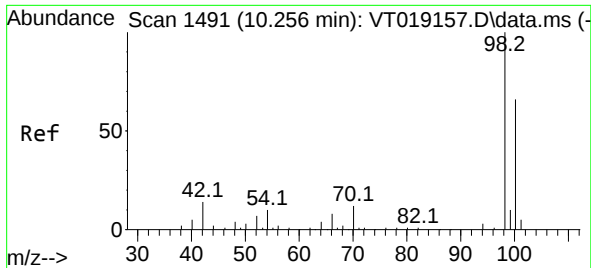
Tgt Ion:117 Resp: 129777
Ion Ratio Lower Upper
117 100
82 58.0 46.0 69.0
119 31.7 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 28.203 ug/l
RT: 12.859 min Scan# 1934
Delta R.T. -0.030 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

Tgt Ion: 95 Resp: 57525
Ion Ratio Lower Upper
95 100
174 79.2 57.5 86.3
176 75.2 56.4 84.6

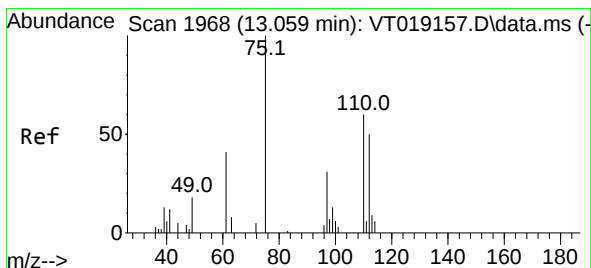
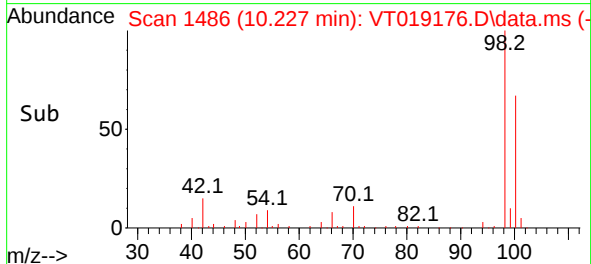
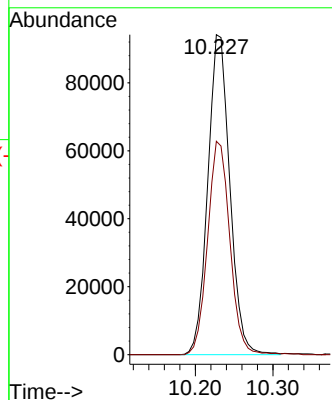
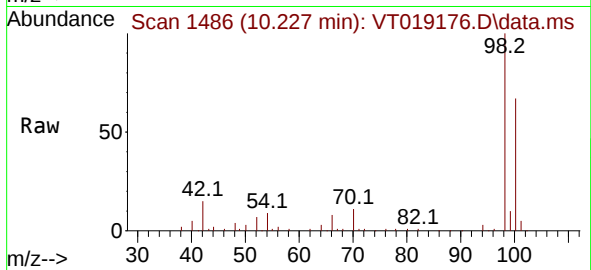




#63
Toluene-d8
Concen: 29.391 ug/l
RT: 10.227 min Scan# 1491
Delta R.T. -0.029 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

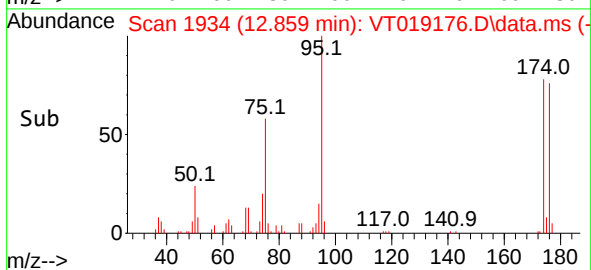
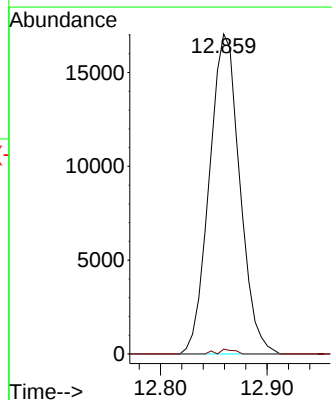
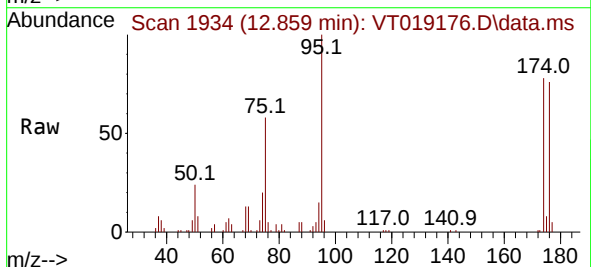
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL02

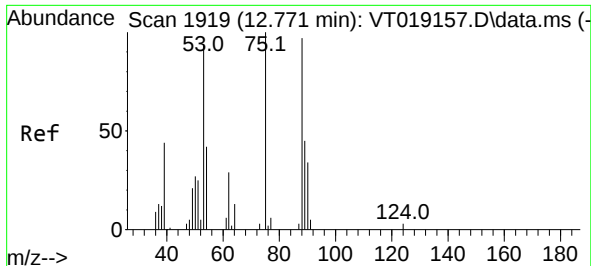
Tgt Ion: 98 Resp: 185650
Ion Ratio Lower Upper
98 100
100 67.3 52.9 79.3



#72
1,2,3-Trichloropropane
Concen: 19.662 ug/l
RT: 12.859 min Scan# 1934
Delta R.T. -0.200 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

Tgt Ion: 75 Resp: 33858
Ion Ratio Lower Upper
75 100
77 0.6 0.0 74.2





#77

t-1,4-Dichloro-2-butene

Concen: 40.466 ug/l

RT: 12.859 min Scan# 1919

Delta R.T. 0.094 min

Lab File: VT019176.D

Acq: 24 Oct 2025 11:23

Instrument :

MSVOA_T

ClientSampleId :

VT1024WBL02

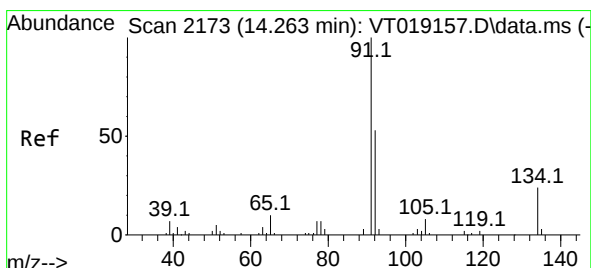
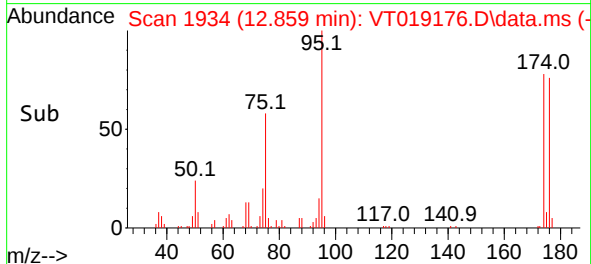
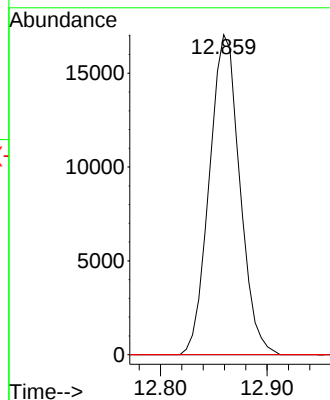
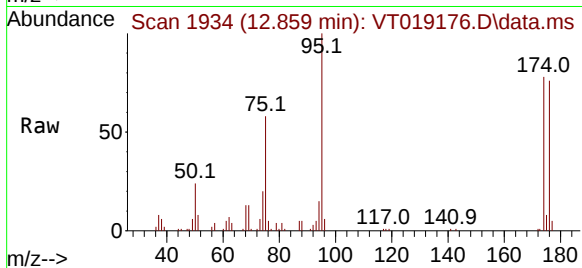
Tgt Ion: 75 Resp: 33858

Ion Ratio Lower Upper

75 100

53 0.0 48.4 145.2#

89 0.0 33.8 101.3#



#85

n-Butylbenzene

Concen: 0.220 ug/l

RT: 14.240 min Scan# 2169

Delta R.T. -0.023 min

Lab File: VT019176.D

Acq: 24 Oct 2025 11:23

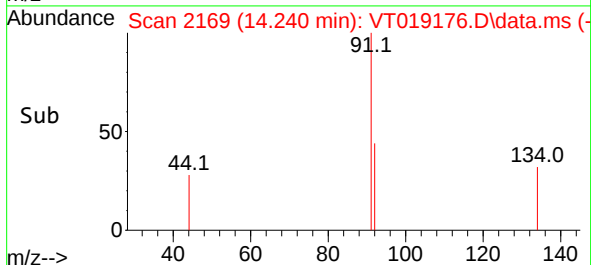
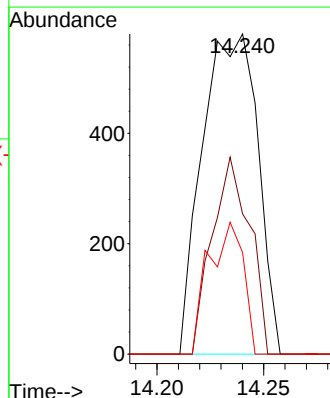
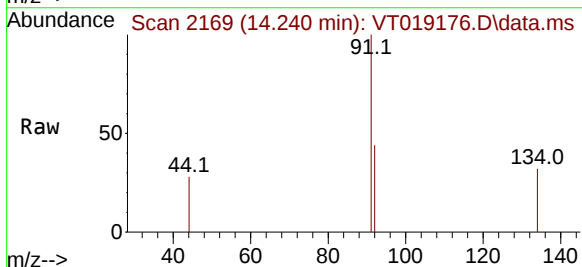
Tgt Ion: 91 Resp: 1047

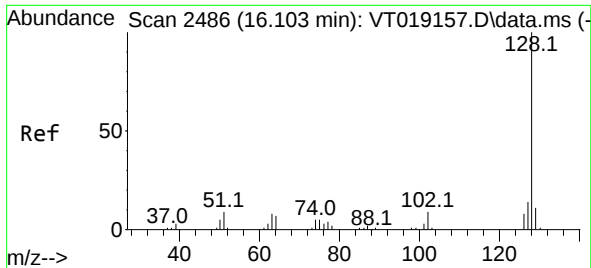
Ion Ratio Lower Upper

91 100

92 41.9 0.0 107.8

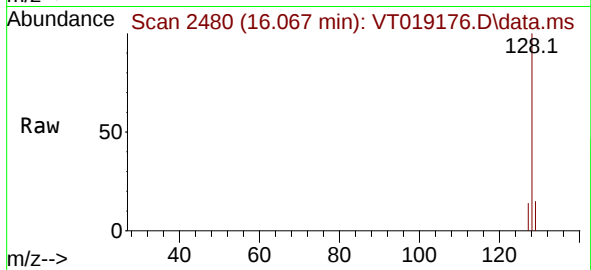
134 25.9 0.0 50.0





#91
Naphthalene
Concen: 0.410 ug/l
RT: 16.067 min Scan# 24
Delta R.T. -0.030 min
Lab File: VT019176.D
Acq: 24 Oct 2025 11:23

Instrument :
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Tgt Ion:128 Resp: 2642
Ion Ratio Lower Upper
128 100
127 2.2 10.3 15.5#
129 0.0 9.0 13.4#

