

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102425\
 Data File : VT019175.D
 Acq On : 24 Oct 2025 10:59
 Operator : SY/MD
 Sample : VT1024WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1024WBL01

Quant Time: Oct 25 01:42:21 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)

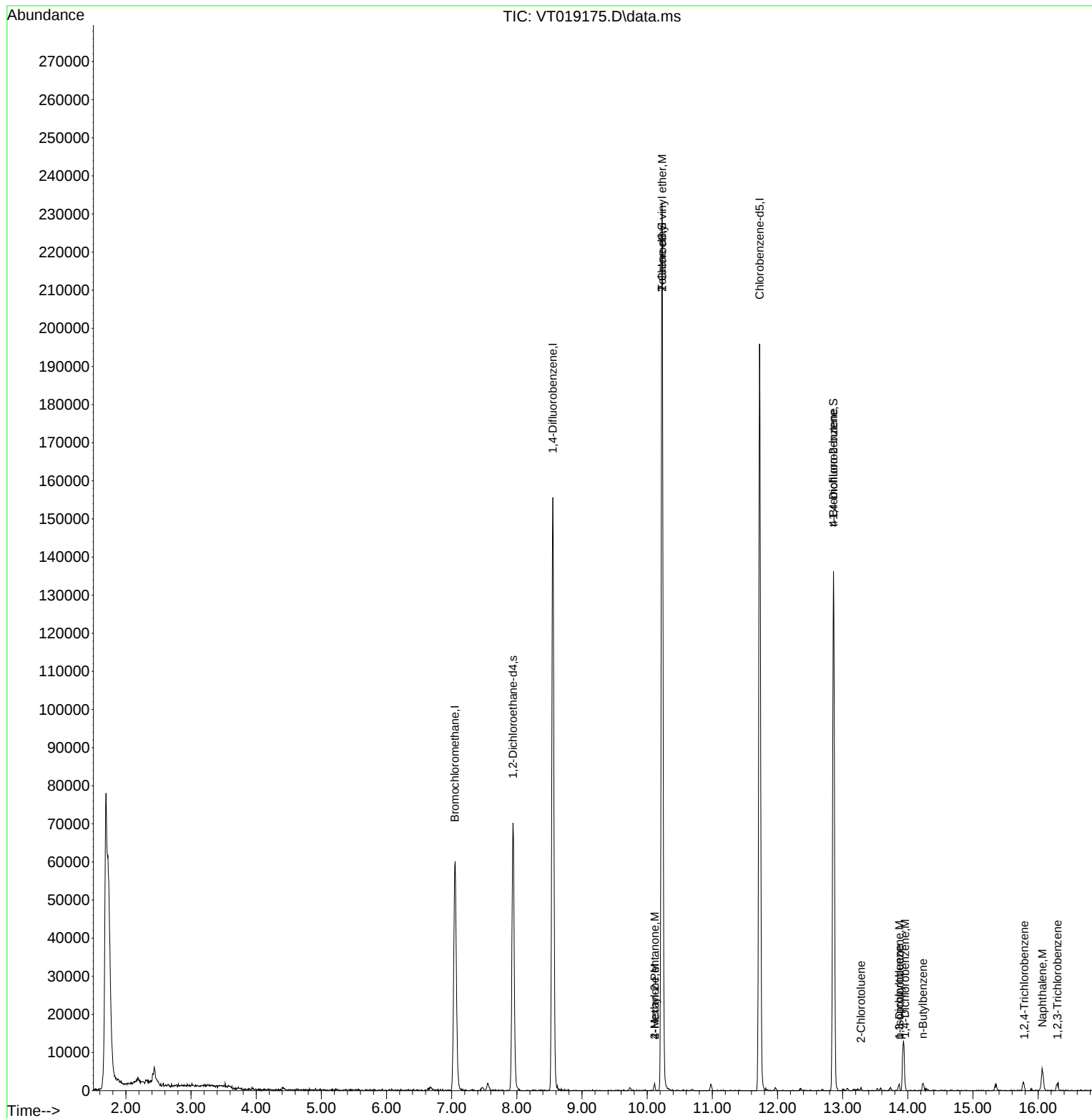
Internal Standards						
1) Bromochloromethane	7.048	128	21781	30.000	ug/l	#-0.03
28) 1,4-Difluorobenzene	8.553	114	144153	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.725	117	116258	30.000	ug/l	-0.03
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.941	65	59385	31.120	ug/l	-0.03
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.733%	
60) 4-Bromofluorobenzene	12.859	95	51849	28.377	ug/l	-0.03
Spiked Amount	30.000	Range	63 - 112	Recovery	= 94.600%	
63) Toluene-d8	10.227	98	168682	29.810	ug/l	-0.03
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.367%	
Target Compounds						
					Qvalue	
55) 2-Chloroethyl vinyl ether	10.233	63	176	0.243	ug/l #	1
58) 4-Methyl-2-Pentanone	10.115	43	1339	0.470	ug/l #	83
59) 2-Hexanone	10.115	43	1339	0.470	ug/l #	78
75) 2-Chlorotoluene	13.282	91	966	0.246	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.859	75	29581	39.465	ug/l #	7
82) p-Isopropyltoluene	13.870	119	975	0.210	ug/l #	56
83) 1,3-Dichlorobenzene	13.870	146	494	0.201	ug/l #	50
84) 1,4-Dichlorobenzene	13.958	146	826	0.334	ug/l #	80
85) n-Butylbenzene	14.234	91	1922	0.451	ug/l	90
89) 1,2,4-Trichlorobenzene	15.785	180	651	0.436	ug/l #	21
91) Naphthalene	16.067	128	8654	1.499	ug/l #	84
92) 1,2,3-Trichlorobenzene	16.297	180	1033	0.685	ug/l	76

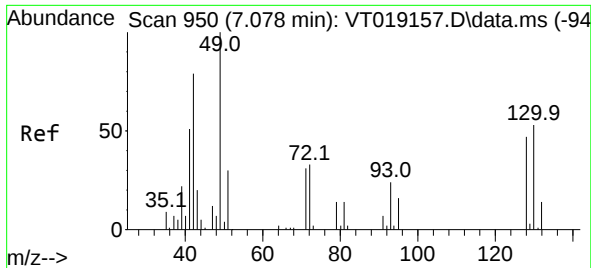
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102425\
Data File : VT019175.D
Acq On : 24 Oct 2025 10:59
Operator : SY/MD
Sample : VT1024WBL01
Misc : 5.0mL/MSVOA_T/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

Quant Time: Oct 25 01:42:21 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

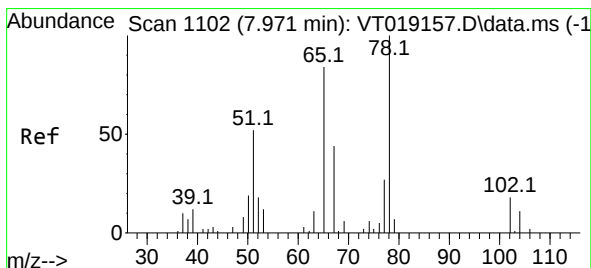
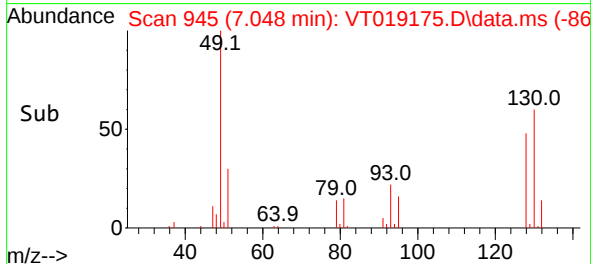
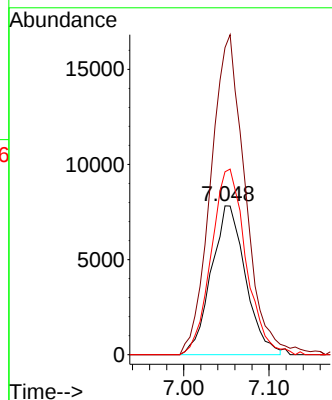
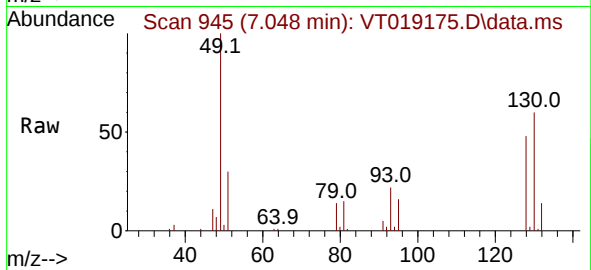




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.048 min Scan# 945
Delta R.T. -0.030 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

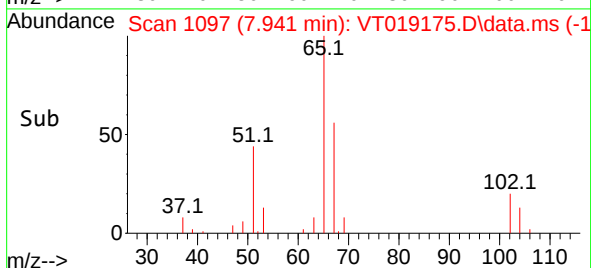
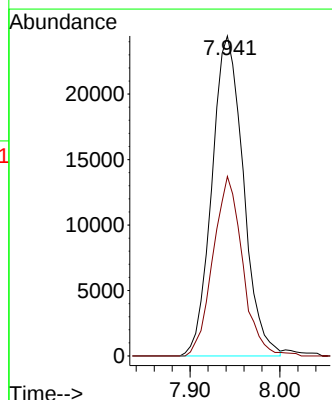
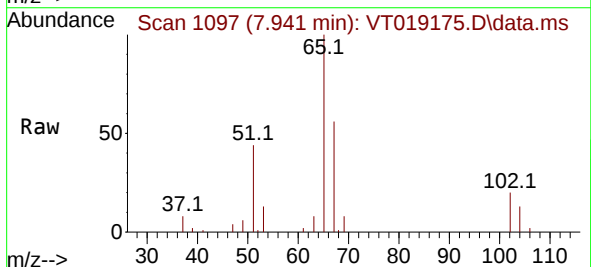
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

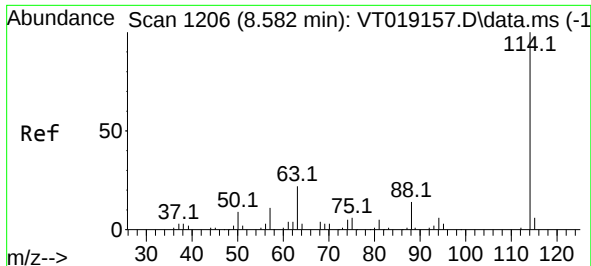
Tgt Ion:128 Resp: 21781
Ion Ratio Lower Upper
128 100
49 216.7 0.0 0.0#
130 126.8 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 31.120 ug/l
RT: 7.941 min Scan# 1097
Delta R.T. -0.030 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

Tgt Ion: 65 Resp: 59385
Ion Ratio Lower Upper
65 100
67 52.5 40.7 61.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.553 min Scan# 11

Delta R.T. -0.023 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

VT1024WBL01

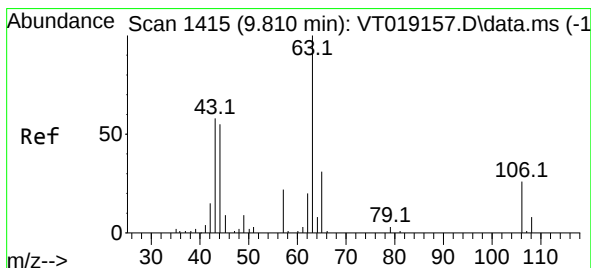
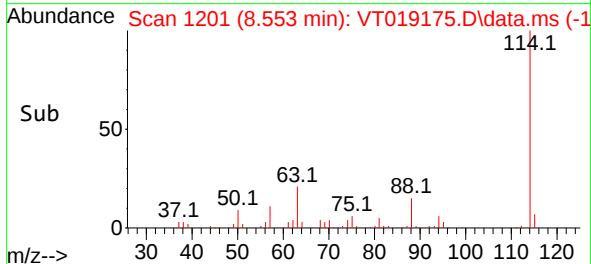
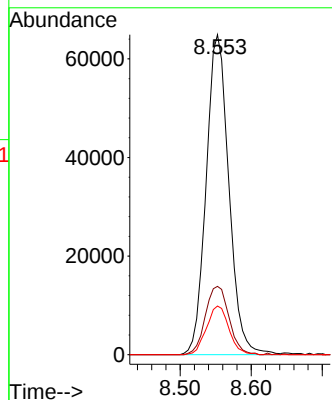
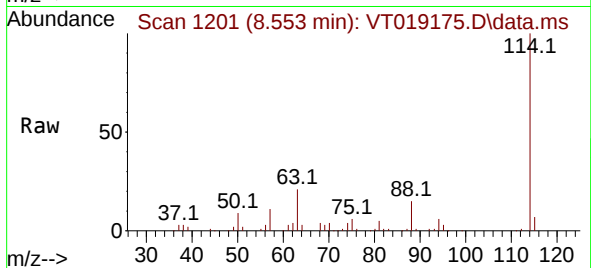
Tgt Ion:114 Resp: 144153

Ion Ratio Lower Upper

114 100

63 22.2 17.4 26.0

88 15.0 13.0 19.6



#55

2-Chloroethyl vinyl ether

Concen: 0.243 ug/l

RT: 10.233 min Scan# 1487

Delta R.T. 0.423 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

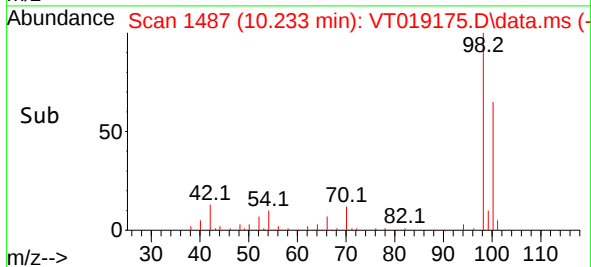
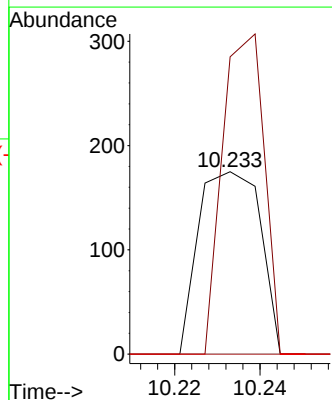
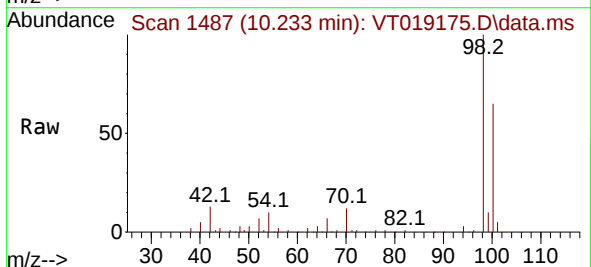
Tgt Ion: 63 Resp: 176

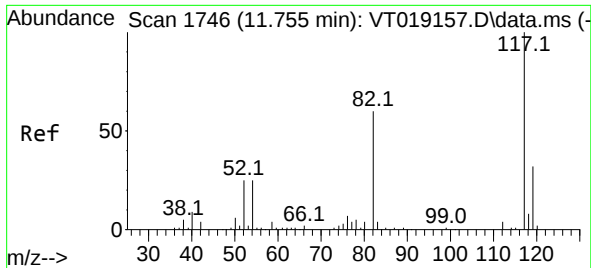
Ion Ratio Lower Upper

63 100

65 118.8 25.8 38.6#

106 0.0 22.1 33.1#

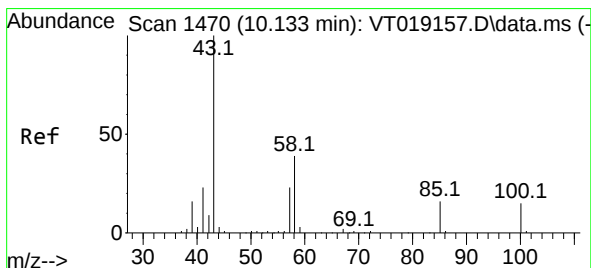
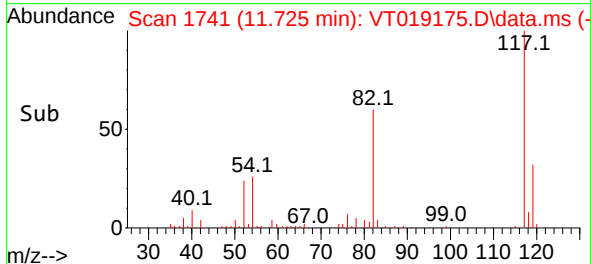
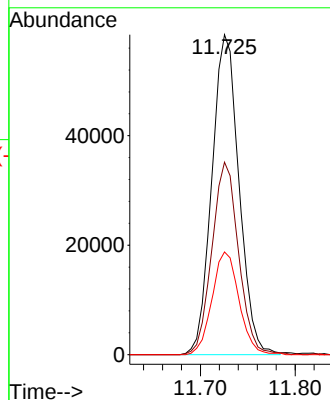
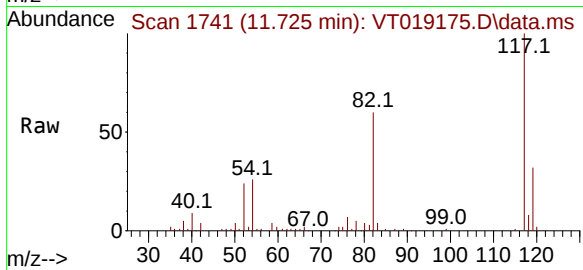




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.725 min Scan# 11
Delta R.T. -0.030 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

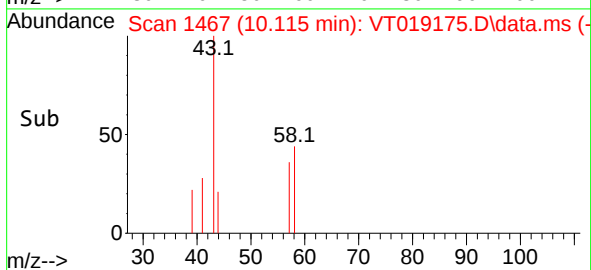
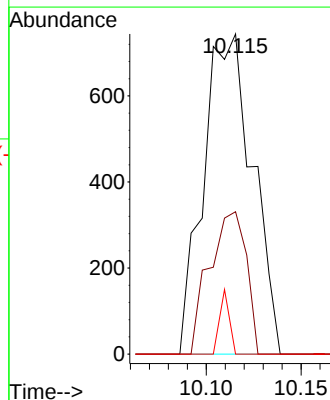
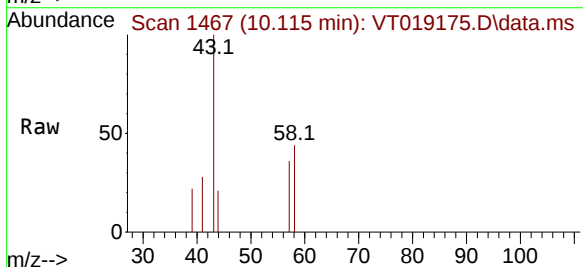
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

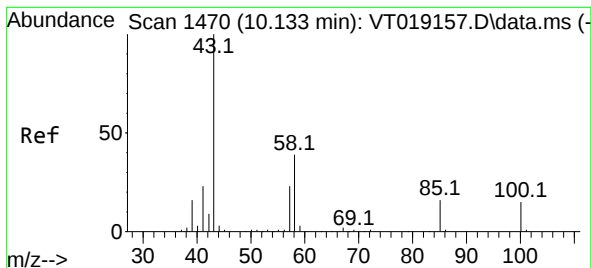
Tgt Ion:117 Resp: 116258
Ion Ratio Lower Upper
117 100
82 59.1 46.0 69.0
119 31.8 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 10.115 min Scan# 1467
Delta R.T. -0.024 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 33.5 30.6 45.8
85 0.0 13.4 20.2#

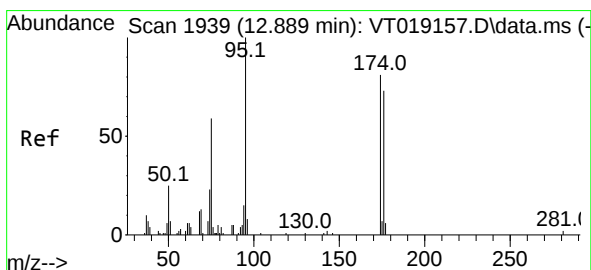
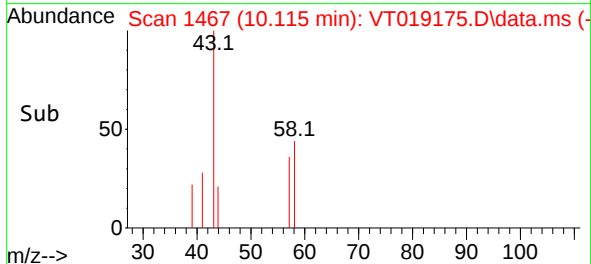
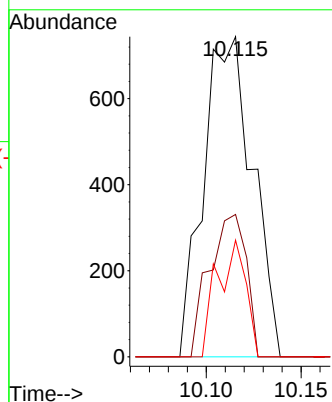
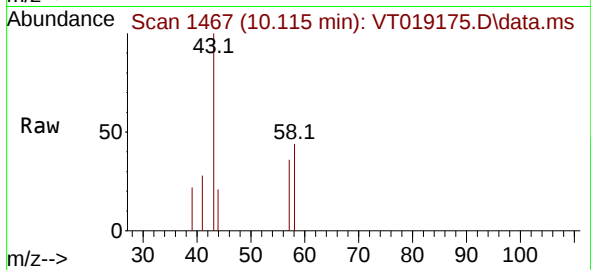




#59
2-Hexanone
Concen: 0.470 ug/l
RT: 10.115 min Scan# 1467
Delta R.T. -0.024 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

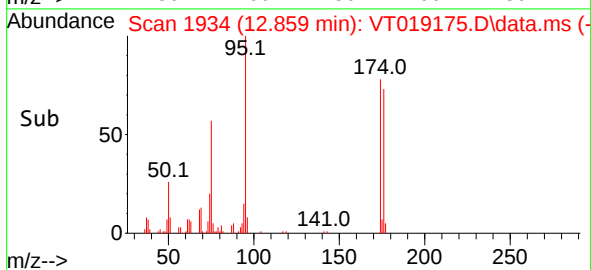
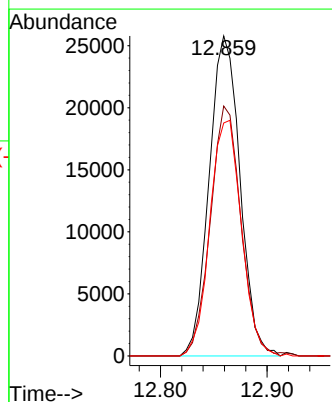
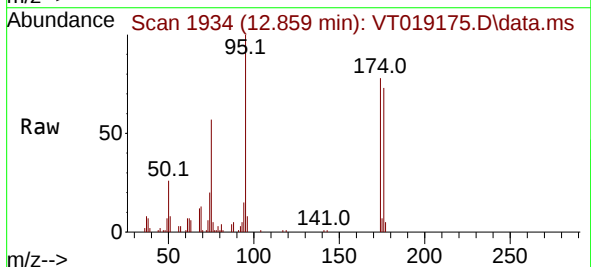
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

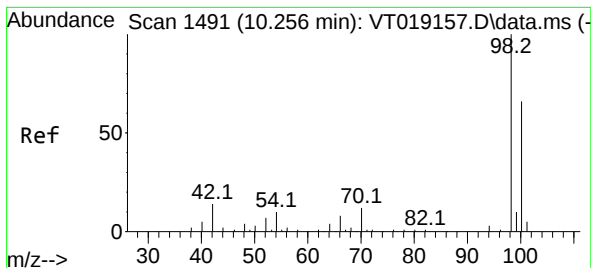
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 33.5 42.0 63.0#
57 21.2 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 28.377 ug/l
RT: 12.859 min Scan# 1934
Delta R.T. -0.030 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

Tgt Ion: 95 Resp: 51849
Ion Ratio Lower Upper
95 100
174 77.0 57.5 86.3
176 75.4 56.4 84.6





#63

Toluene-d8

Concen: 29.810 ug/l

RT: 10.227 min Scan# 14

Delta R.T. -0.029 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

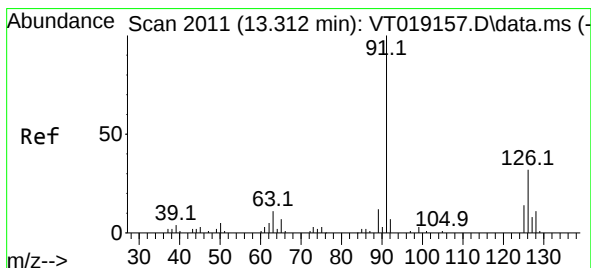
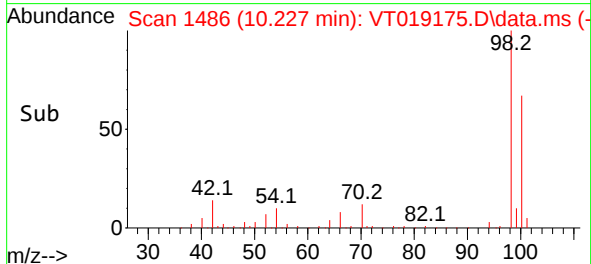
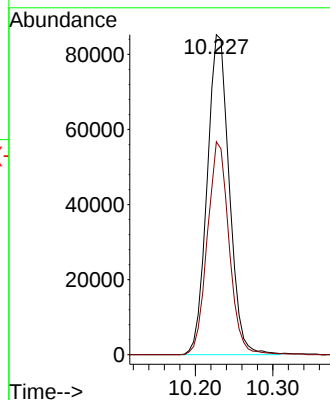
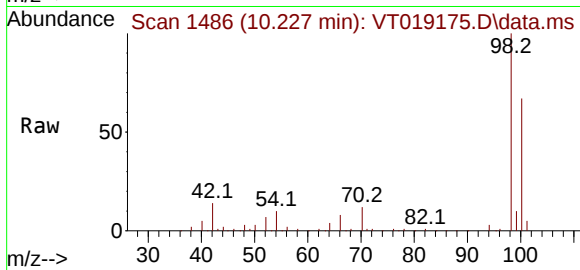
VT1024WBL01

Tgt Ion: 98 Resp: 168682

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



#75

2-Chlorotoluene

Concen: 0.246 ug/l

RT: 13.282 min Scan# 2006

Delta R.T. -0.030 min

Lab File: VT019175.D

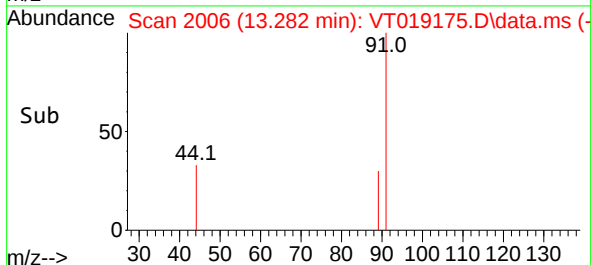
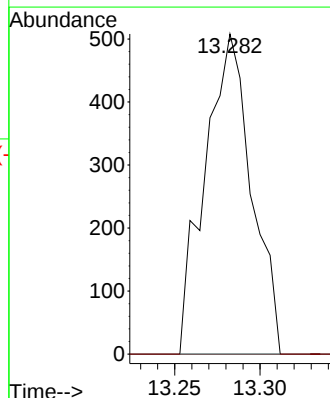
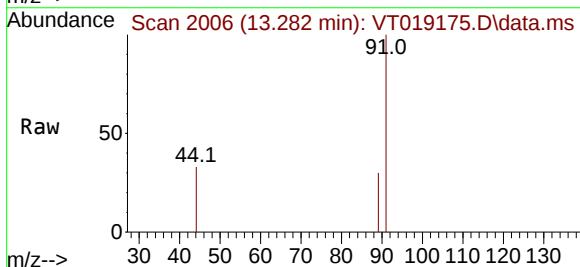
Acq: 24 Oct 2025 10:59

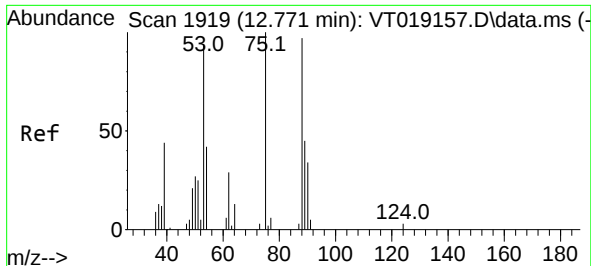
Tgt Ion: 91 Resp: 966

Ion Ratio Lower Upper

91 100

126 0.0 0.0 63.6





#77

t-1,4-Dichloro-2-butene

Concen: 39.465 ug/l

RT: 12.859 min Scan# 1919

Delta R.T. 0.094 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

VT1024WBL01

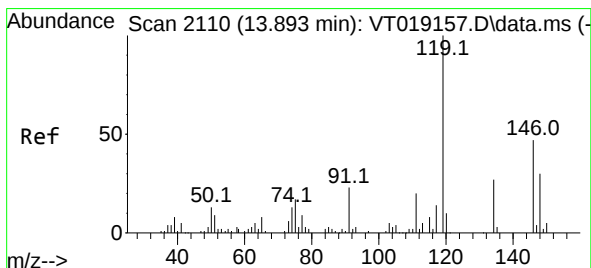
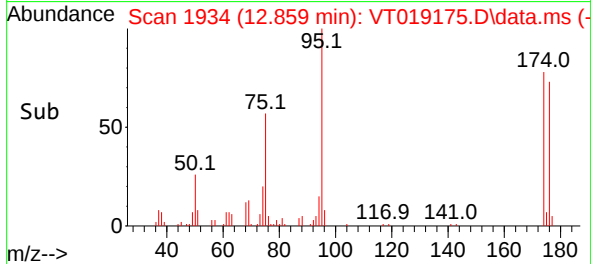
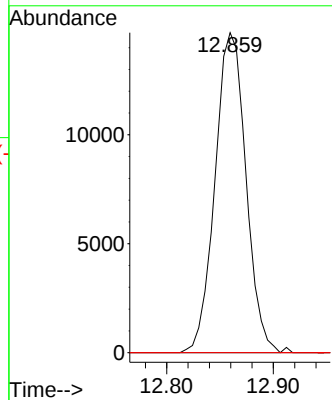
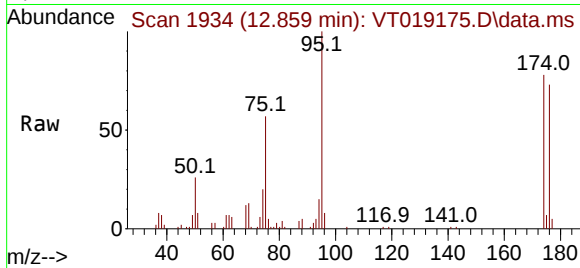
Tgt Ion: 75 Resp: 29581

Ion Ratio Lower Upper

75 100

53 0.0 48.4 145.2#

89 0.0 33.8 101.3#



#82

p-Isopropyltoluene

Concen: 0.210 ug/l

RT: 13.870 min Scan# 2106

Delta R.T. -0.023 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

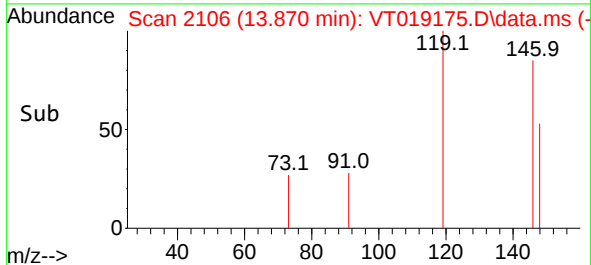
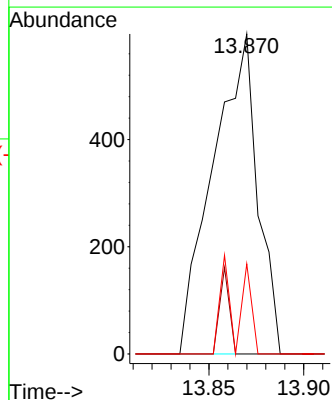
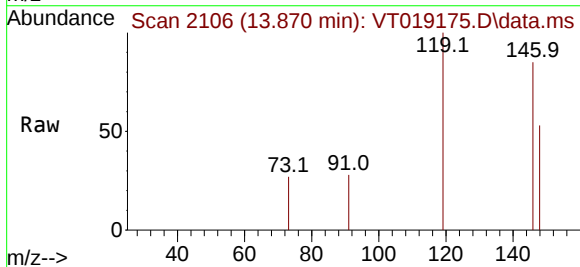
Tgt Ion: 119 Resp: 975

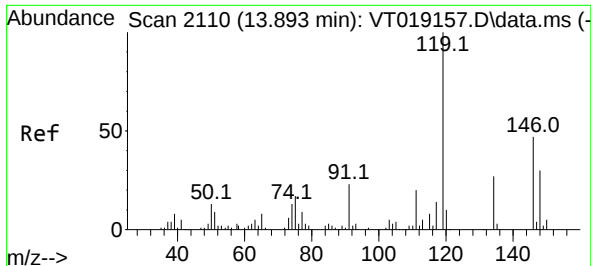
Ion Ratio Lower Upper

119 100

134 0.0 0.0 50.8

91 6.7 0.0 51.0

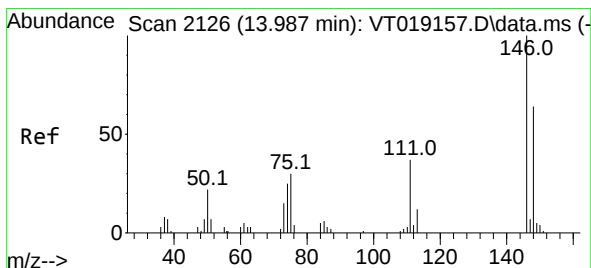
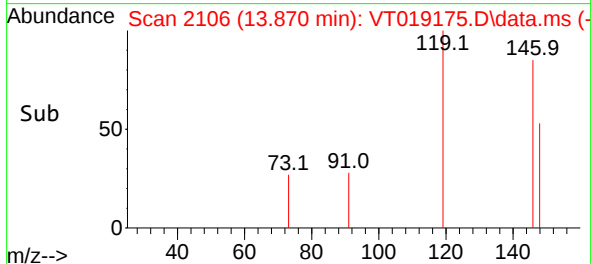
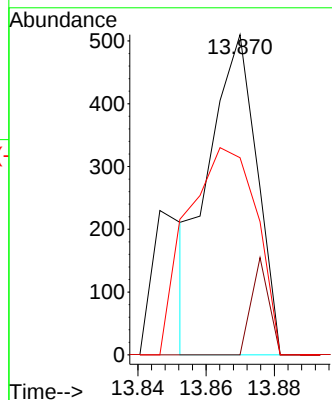
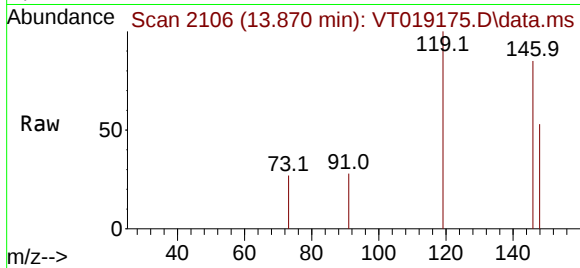




#83
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.870 min Scan# 2110
Delta R.T. -0.023 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

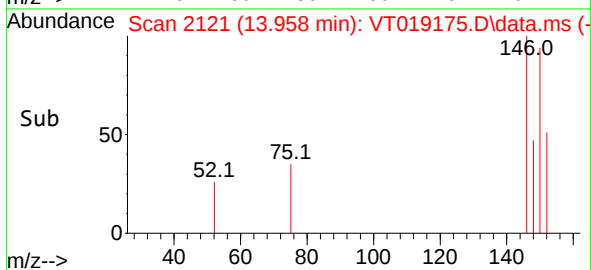
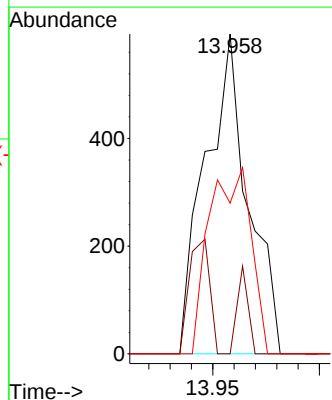
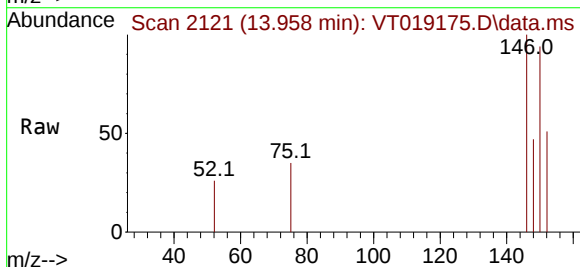
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

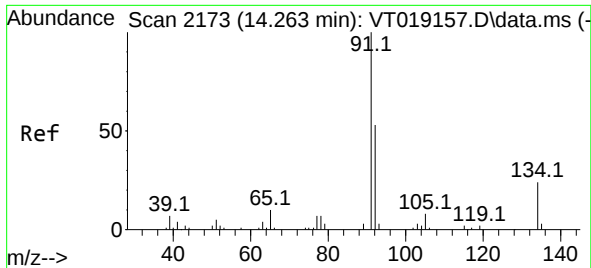
Tgt Ion:146 Resp: 494
Ion Ratio Lower Upper
146 100
111 0.0 20.7 62.1#
148 94.5 31.8 95.3



#84
1,4-Dichlorobenzene
Concen: 0.334 ug/l
RT: 13.958 min Scan# 2121
Delta R.T. -0.023 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

Tgt Ion:146 Resp: 826
Ion Ratio Lower Upper
146 100
111 17.2 20.4 61.3#
148 57.1 32.3 96.8

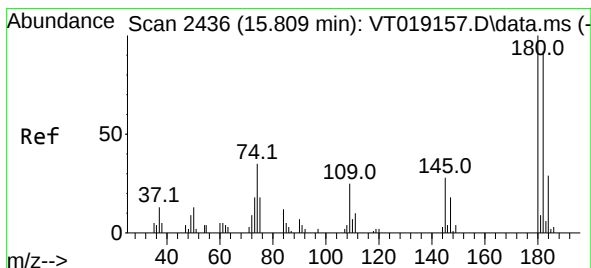
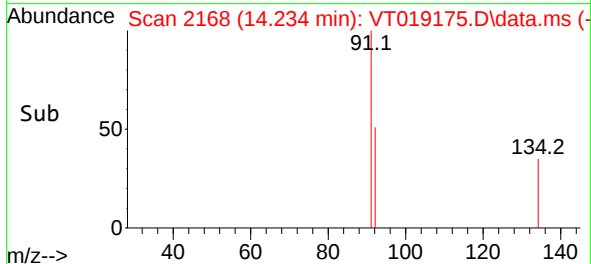
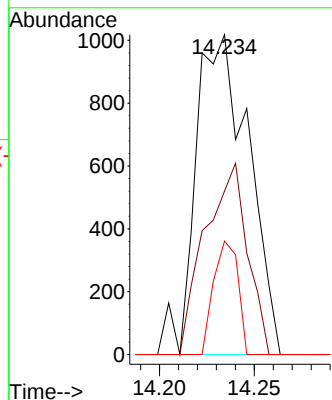
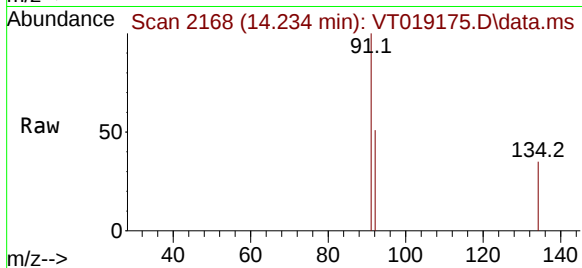




#85
n-Butylbenzene
Concen: 0.451 ug/l
RT: 14.234 min Scan# 2173
Delta R.T. -0.029 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

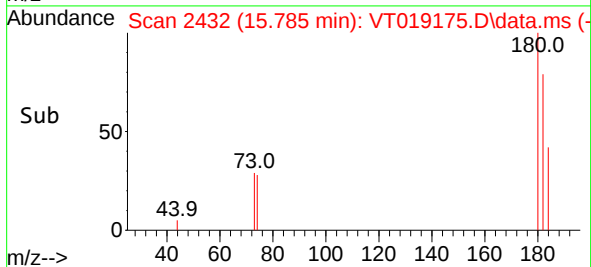
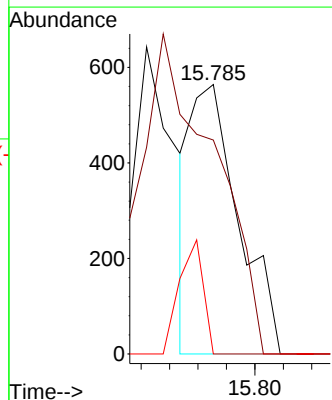
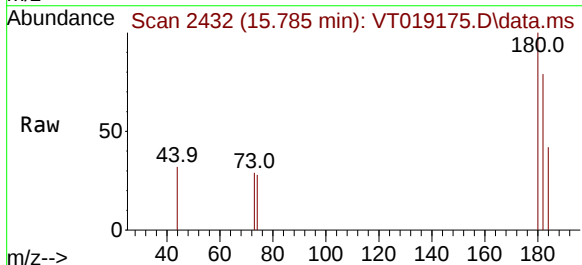
Instrument :
MSVOA_T
ClientSampleId :
VT1024WBL01

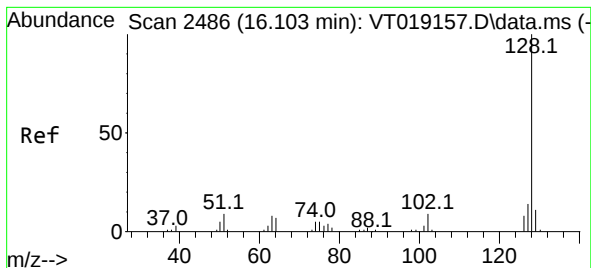
Tgt Ion: 91	Resp:	1922
Ion Ratio	Lower	Upper
91	100	
92	49.3	0.0 107.8
134	16.8	0.0 50.0



#89
1,2,4-Trichlorobenzene
Concen: 0.436 ug/l
RT: 15.785 min Scan# 2432
Delta R.T. -0.024 min
Lab File: VT019175.D
Acq: 24 Oct 2025 10:59

Tgt Ion: 180	Resp:	651
Ion Ratio	Lower	Upper
180	100	
182	0.0	78.2 117.2#
145	21.5	26.5 39.7#





#91

Naphthalene

Concen: 1.499 ug/l

RT: 16.067 min Scan# 2486

Delta R.T. -0.030 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

VT1024WBL01

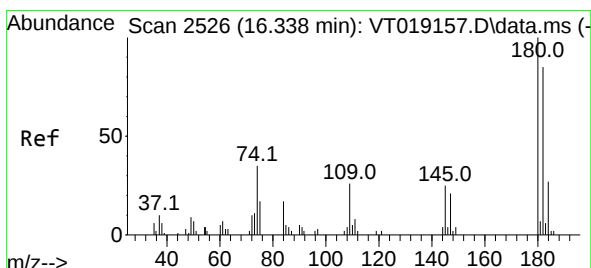
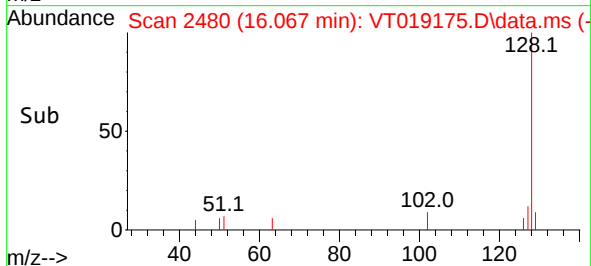
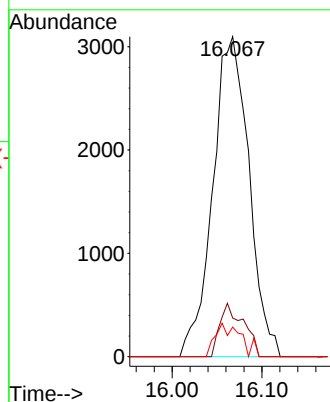
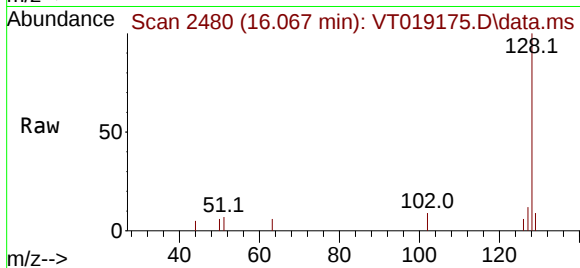
Tgt Ion:128 Resp: 8654

Ion Ratio Lower Upper

128 100

127 7.5 10.3 15.5#

129 3.7 9.0 13.4#



#92

1,2,3-Trichlorobenzene

Concen: 0.685 ug/l

RT: 16.297 min Scan# 2519

Delta R.T. -0.041 min

Lab File: VT019175.D

Acq: 24 Oct 2025 10:59

Tgt Ion:180 Resp: 1033

Ion Ratio Lower Upper

180 100

182 114.8 0.0 189.0

145 15.1 0.0 69.2

