

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103125\
 Data File : VT019220.D
 Acq On : 31 Oct 2025 10:59
 Operator : SY/MD
 Sample : VT1031WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1031WBL01

Quant Time: Nov 01 05:18:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 31 04:36:59 2025
 Response via : Initial Calibration

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

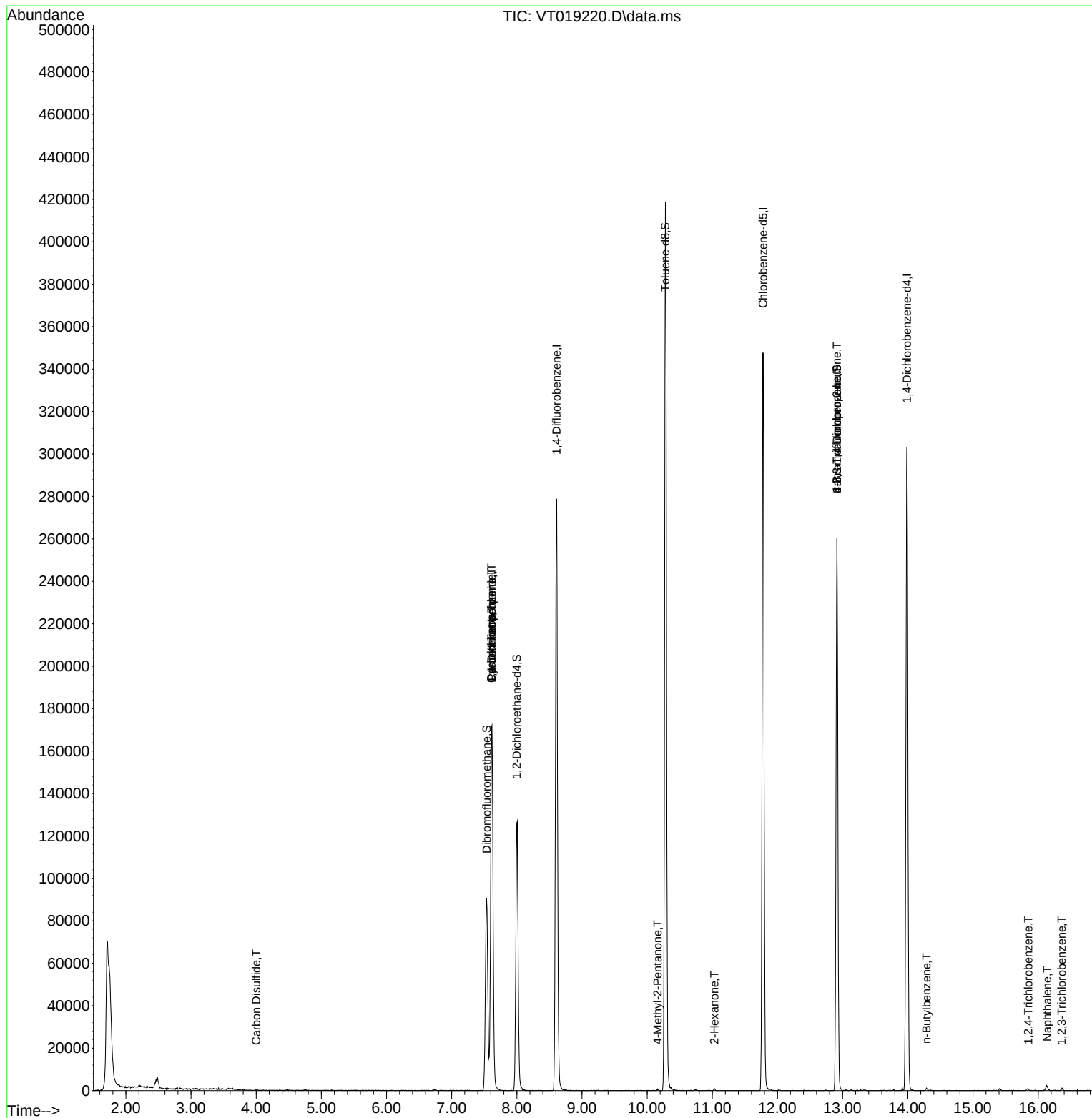
Internal Standards						
1) Pentafluorobenzene	7.618	168	145477	50.000	ug/l	0.07
34) 1,4-Difluorobenzene	8.611	114	259974	50.000	ug/l	0.06
63) Chlorobenzene-d5	11.778	117	211556	50.000	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	13.987	152	97945	50.000	ug/l	0.06
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.000	65	109875	46.955	ug/l	0.07
Spiked Amount 50.000			Recovery	=	93.920%	
35) Dibromofluoromethane	7.536	113	74597	45.368	ug/l	0.07
Spiked Amount 50.000			Recovery	=	90.740%	
50) Toluene-d8	10.280	98	305556	45.761	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.520%	
62) 4-Bromofluorobenzene	12.912	95	99740	47.515	ug/l	0.05
Spiked Amount 50.000			Recovery	=	95.040%	
Target Compounds						
16) Acetone	3.776	43	601	Below Cal	#	45
17) Carbon Disulfide	3.999	76	457	0.240	ug/l #	75
31) Cyclohexane	7.612	56	3902	1.709	ug/l #	31
36) 1,1-Dichloropropene	7.612	75	12706	6.870	ug/l #	51
38) Carbon Tetrachloride	7.612	117	14872	8.844	ug/l #	16
51) 4-Methyl-2-Pentanone	10.162	43	668	0.222	ug/l #	86
59) 2-Hexanone	11.032	43	930	0.407	ug/l	82
76) 1,2,3-Trichloropropane	12.912	75	56848	28.205	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.912	75	56848	66.179	ug/l #	7
89) n-Butylbenzene	14.287	91	1214	0.214	ug/l #	83
93) 1,2,4-Trichlorobenzene	15.850	180	945	0.511	ug/l #	71
95) Naphthalene	16.138	128	4326	0.668	ug/l #	85
96) 1,2,3-Trichlorobenzene	16.361	180	801	0.439	ug/l #	77

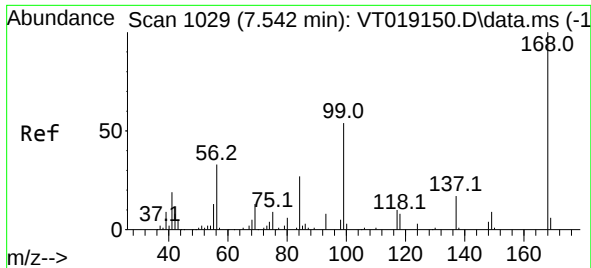
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VT019220.D
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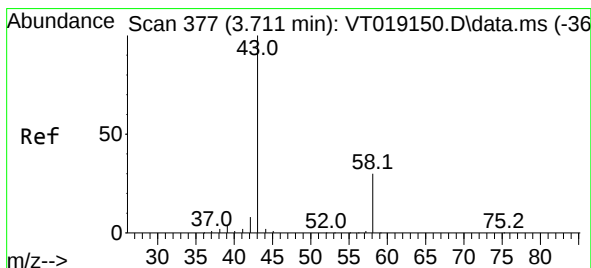
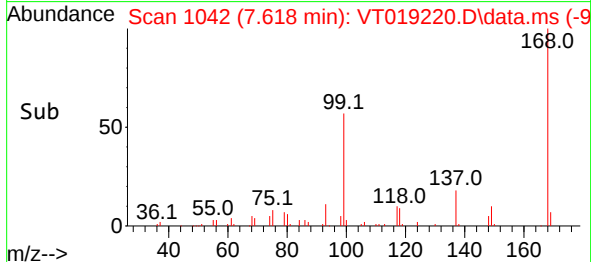
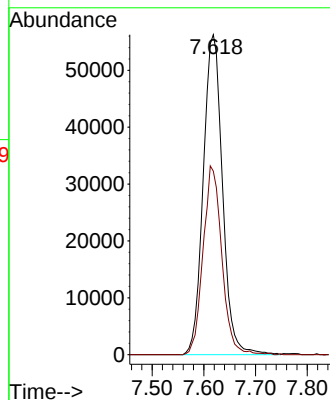
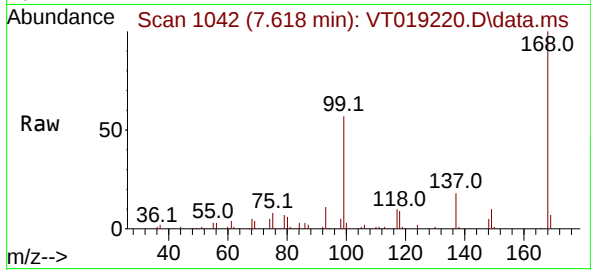




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.618 min Scan# 1029
Delta R.T. 0.070 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

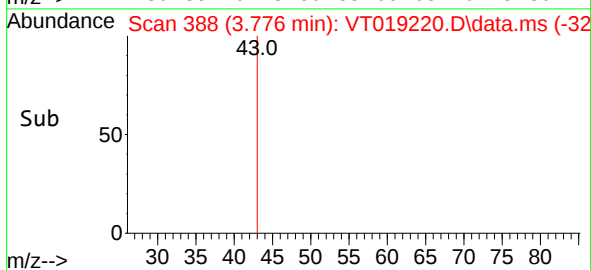
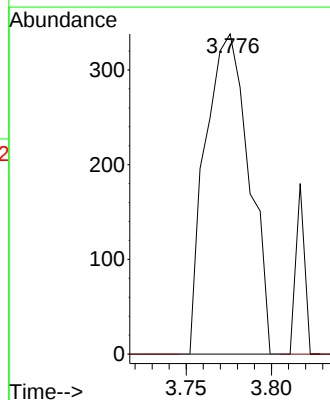
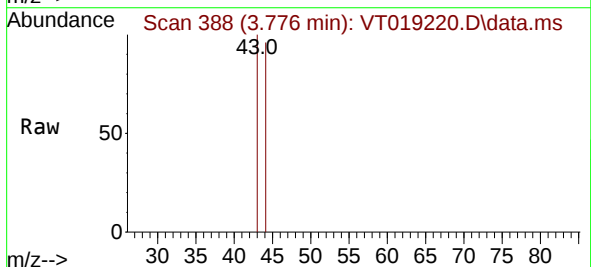
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01

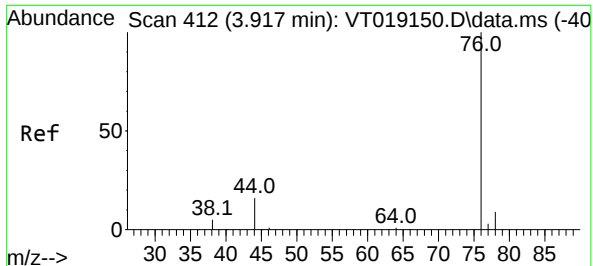
Tgt Ion:168 Resp: 145477
Ion Ratio Lower Upper
168 100
99 57.4 46.6 70.0



#16
Acetone
Concen: Below Cal
RT: 3.776 min Scan# 388
Delta R.T. 0.059 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 3.999 min Scan# 41

Delta R.T. 0.065 min

Lab File: VT019220.D

Acq: 31 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

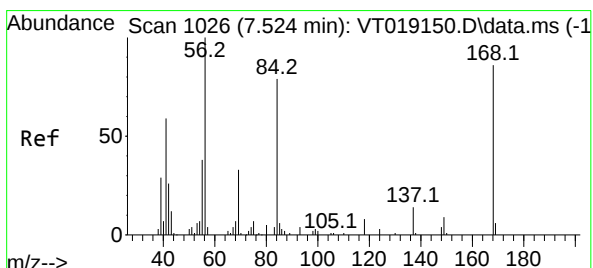
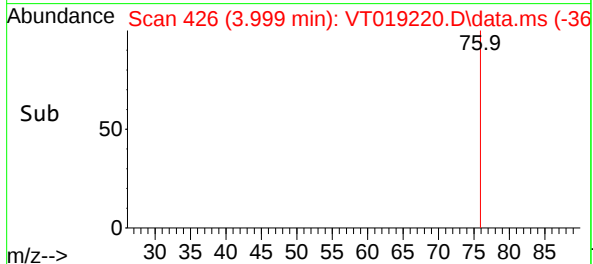
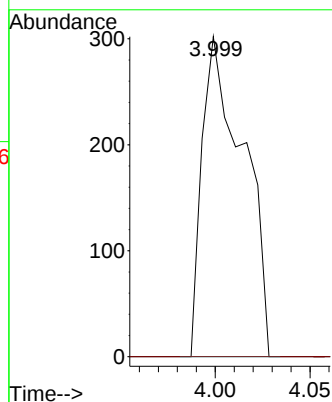
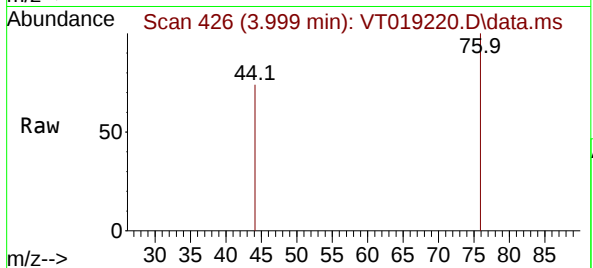
VT1031WBL01

Tgt Ion: 76 Resp: 457

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#31

Cyclohexane

Concen: 1.709 ug/l

RT: 7.612 min Scan# 1041

Delta R.T. 0.076 min

Lab File: VT019220.D

Acq: 31 Oct 2025 10:59

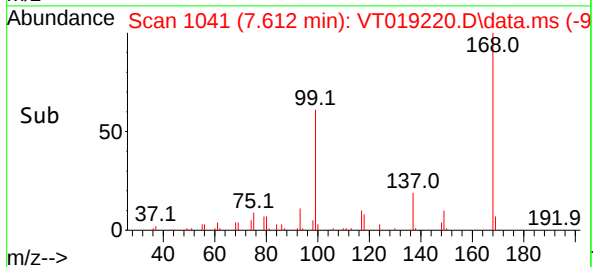
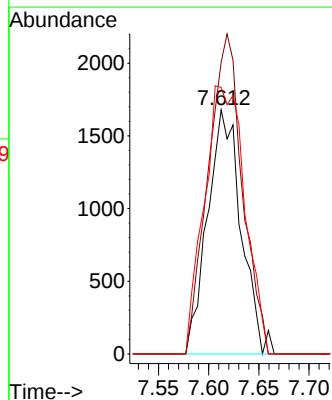
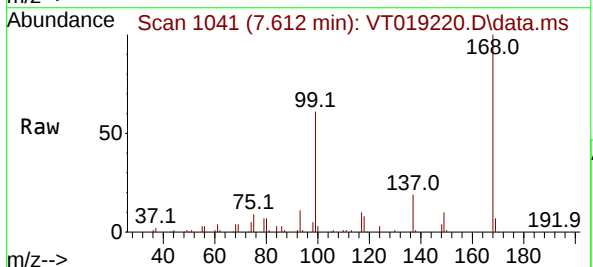
Tgt Ion: 56 Resp: 3902

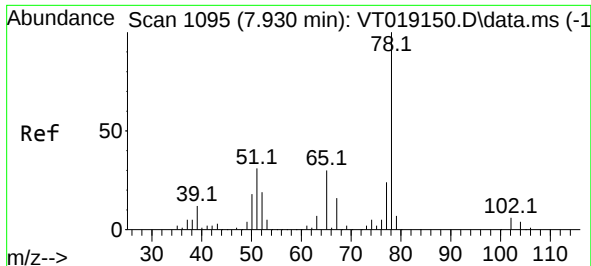
Ion Ratio Lower Upper

56 100

69 119.5 26.1 39.1#

84 109.2 63.6 95.4#

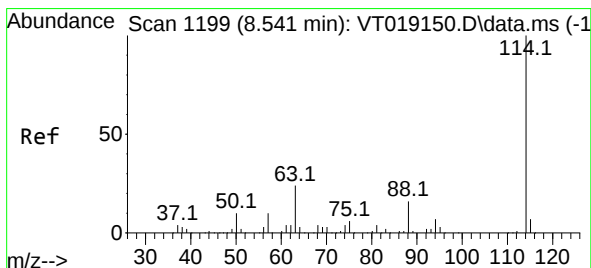
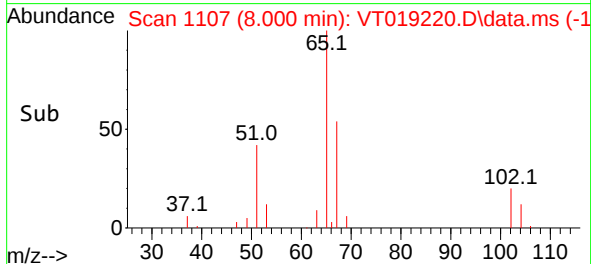
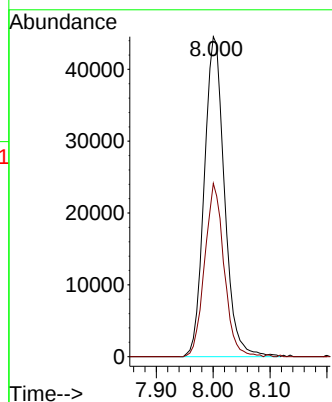
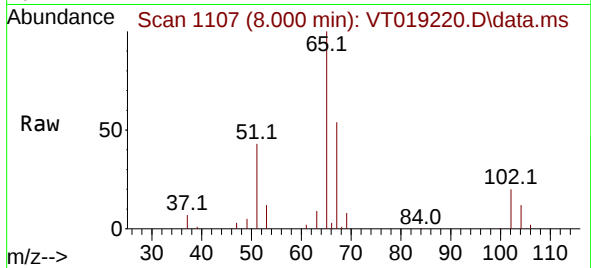




#33
 1,2-Dichloroethane-d4
 Concen: 46.955 ug/l
 RT: 8.000 min Scan# 1111
 Delta R.T. 0.065 min
 Lab File: VT019220.D
 Acq: 31 Oct 2025 10:59

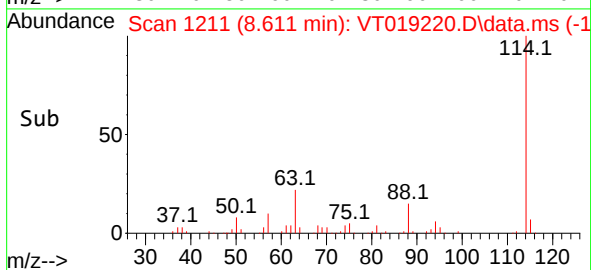
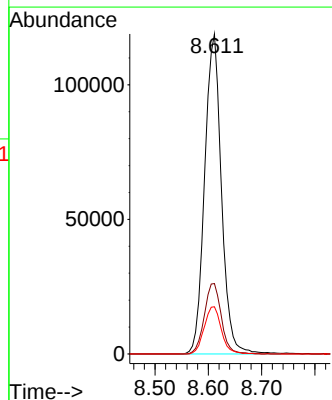
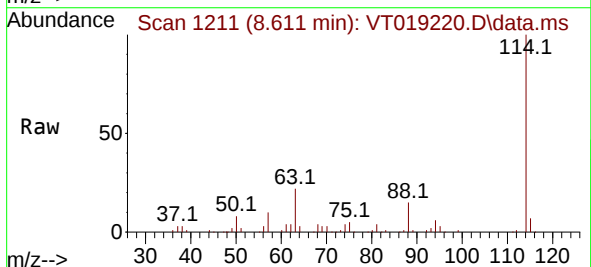
Instrument :
 MSVOA_T
 ClientSampleId :
 VT1031WBL01

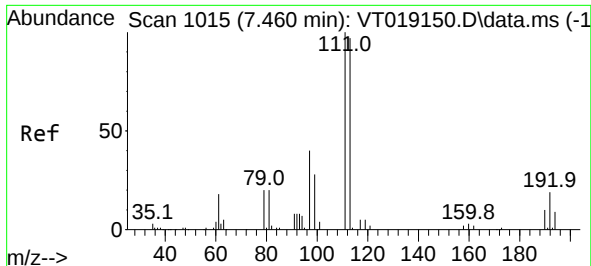
Tgt Ion: 65 Resp: 109875
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.611 min Scan# 1211
 Delta R.T. 0.064 min
 Lab File: VT019220.D
 Acq: 31 Oct 2025 10:59

Tgt Ion: 114 Resp: 259974
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 14.7 0.0 32.6

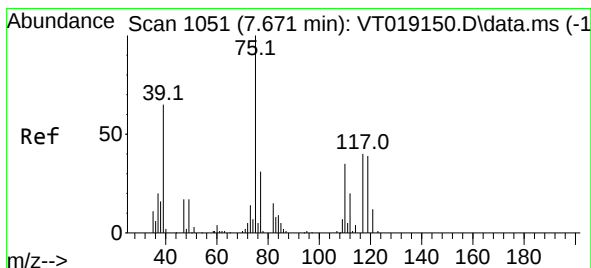
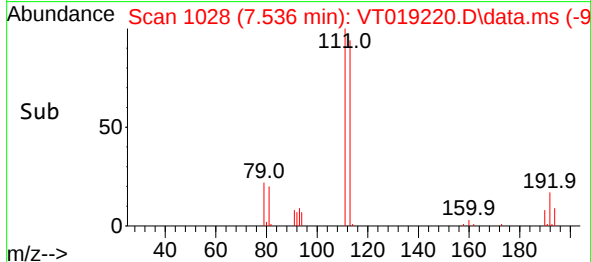
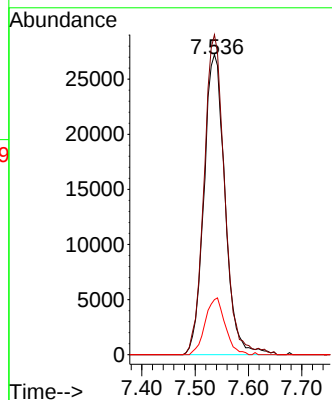
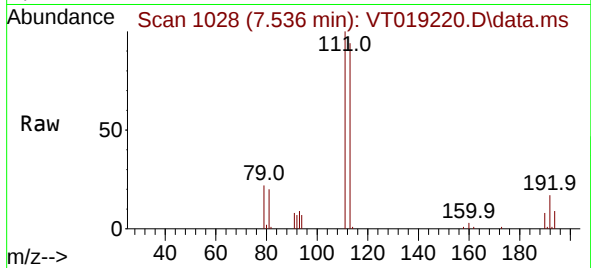




#35
Dibromofluoromethane
Concen: 45.368 ug/l
RT: 7.536 min Scan# 1028
Delta R.T. 0.071 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

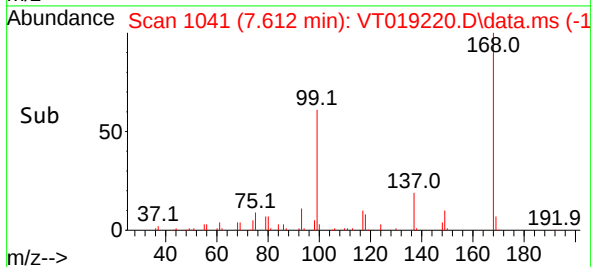
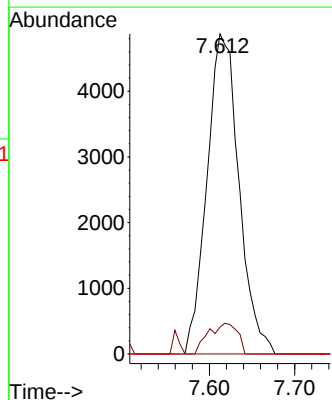
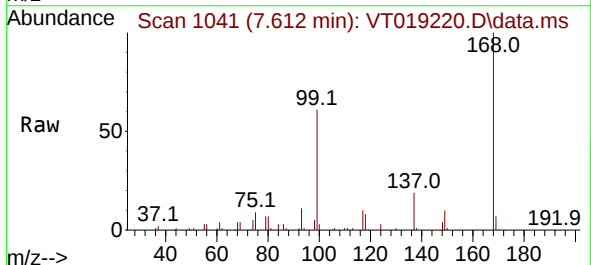
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01

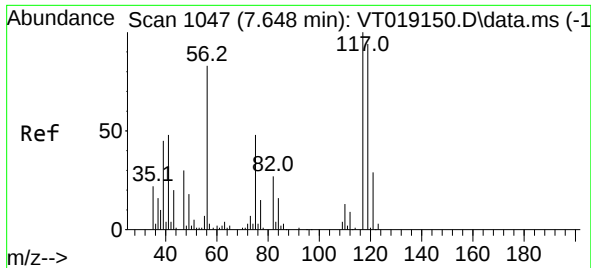
Tgt Ion:113 Resp: 74597
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 17.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 6.870 ug/l
RT: 7.612 min Scan# 1041
Delta R.T. -0.071 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion: 75 Resp: 12706
Ion Ratio Lower Upper
75 100
110 8.7 16.1 48.2#
77 0.0 25.1 37.7#

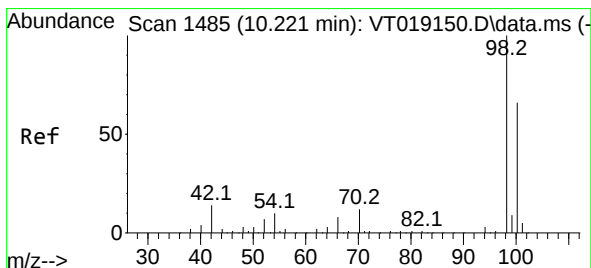
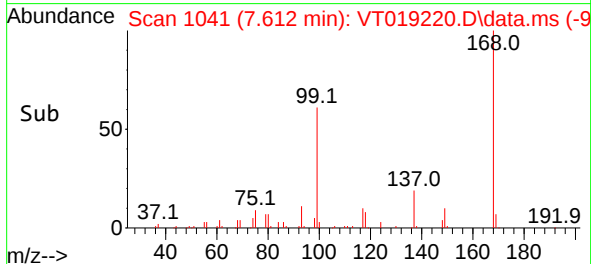
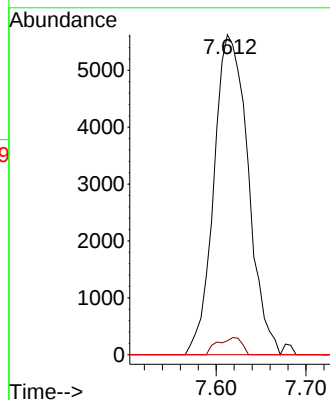
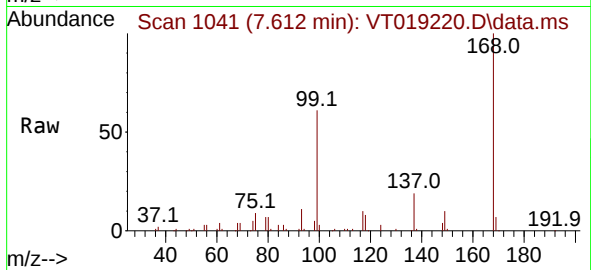




#38
Carbon Tetrachloride
Concen: 8.844 ug/l
RT: 7.612 min Scan# 1041
Delta R.T. -0.047 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

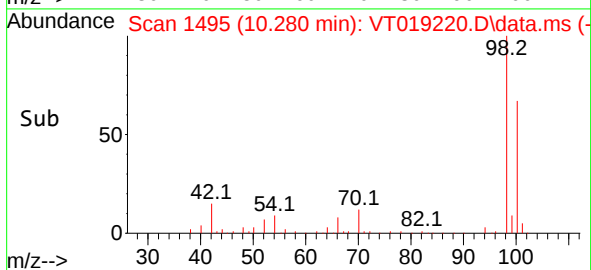
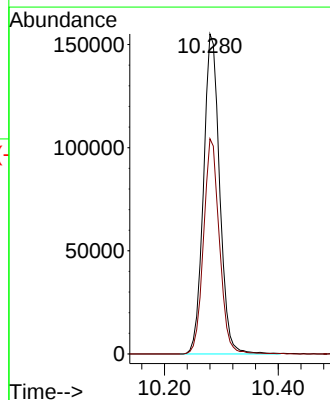
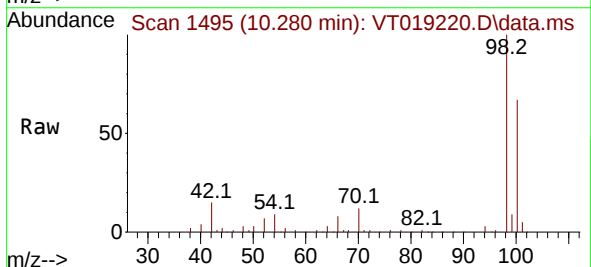
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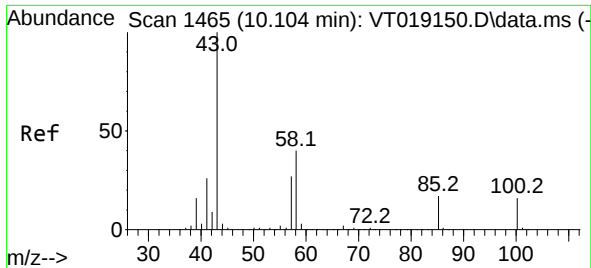
Tgt Ion:117 Resp: 14872
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 45.761 ug/l
RT: 10.280 min Scan# 1495
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion: 98 Resp: 305556
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3

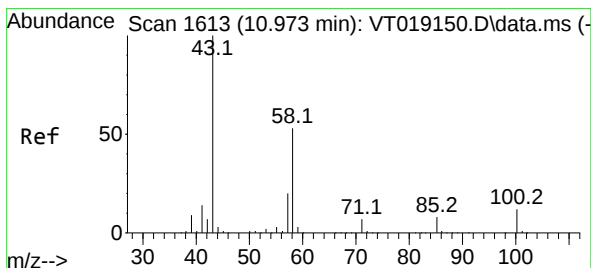
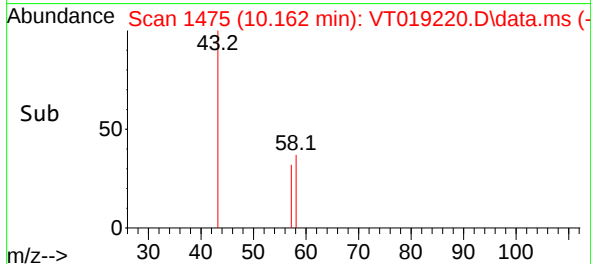
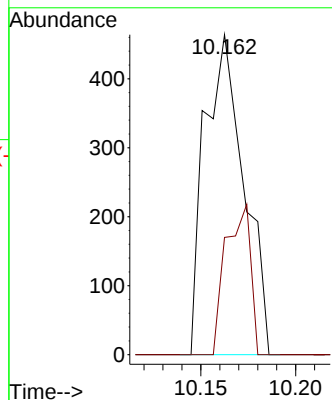
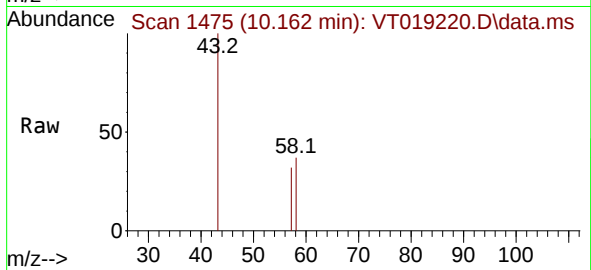




#51
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 10.162 min Scan# 1465
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

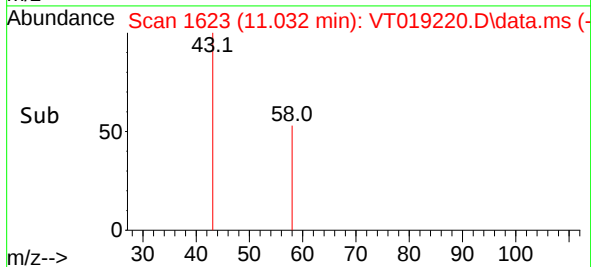
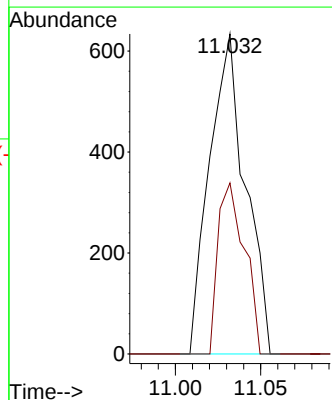
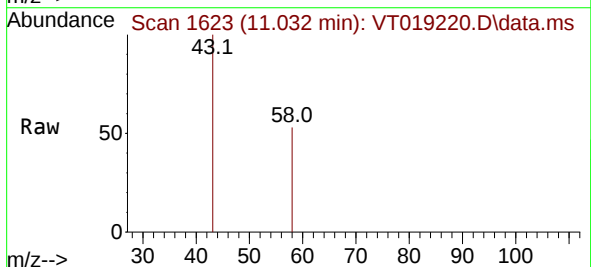
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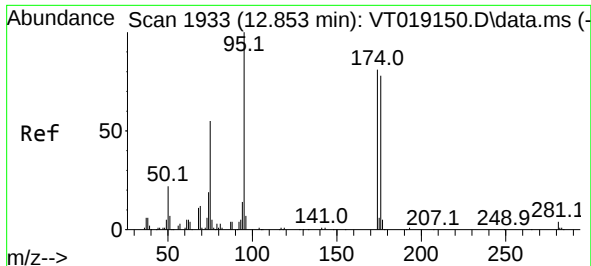
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 29.5 30.5 45.7#



#59
2-Hexanone
Concen: 0.407 ug/l
RT: 11.032 min Scan# 1623
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 39.4 26.1 78.3

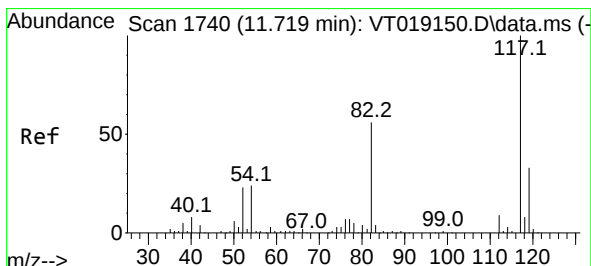
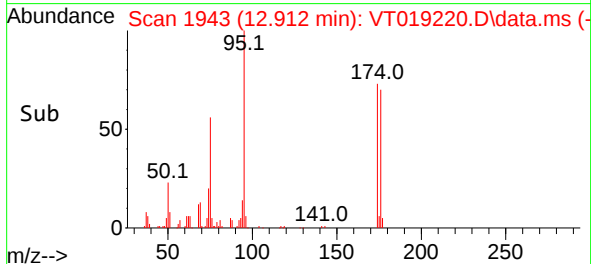
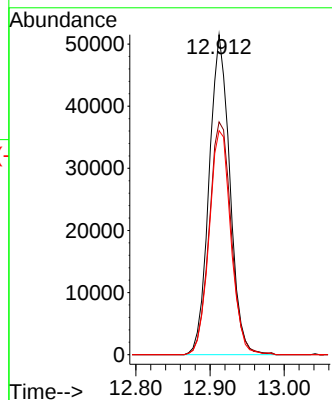
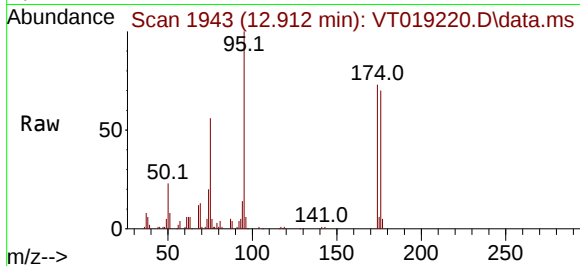




#62
4-Bromofluorobenzene
Concen: 47.515 ug/l
RT: 12.912 min Scan# 1933
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

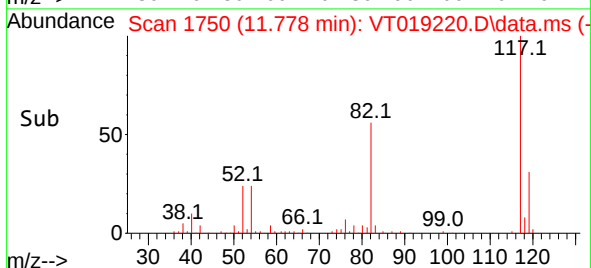
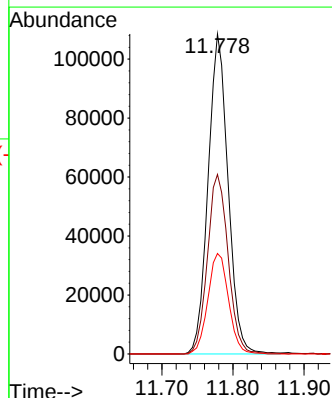
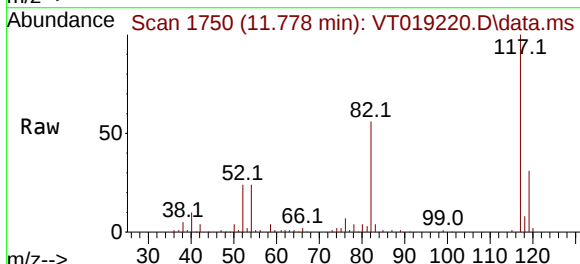
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01

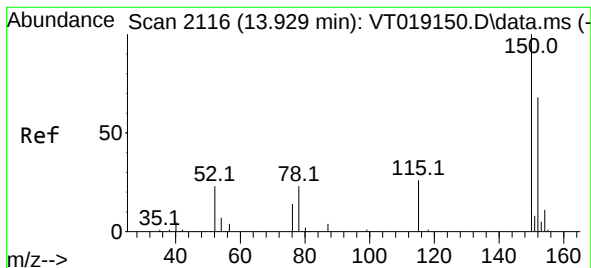
Tgt Ion:	95	Resp:	99740
Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	160.6
176	73.5	0.0	156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.778 min Scan# 1750
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion:	117	Resp:	211556
Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.1	67.7
119	31.4	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.987 min Scan# 2116

Delta R.T. 0.058 min

Lab File: VT019220.D

Acq: 31 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

VT1031WBL01

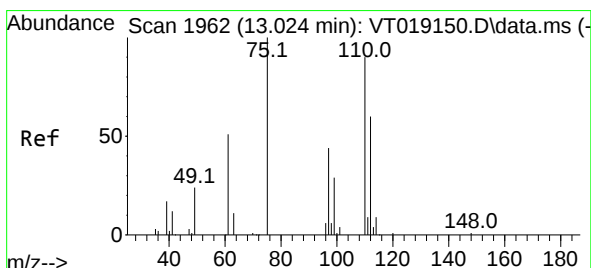
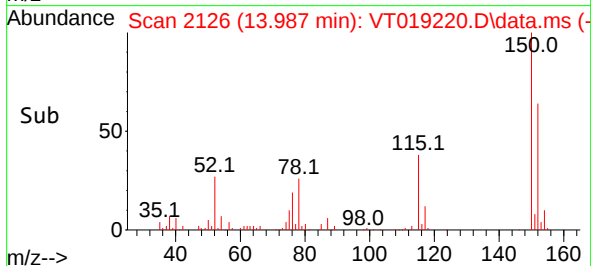
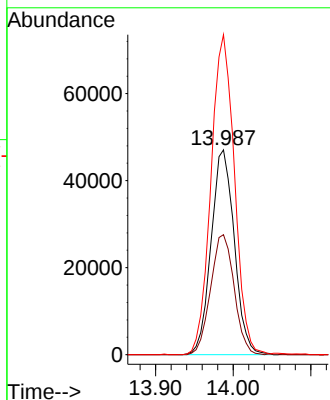
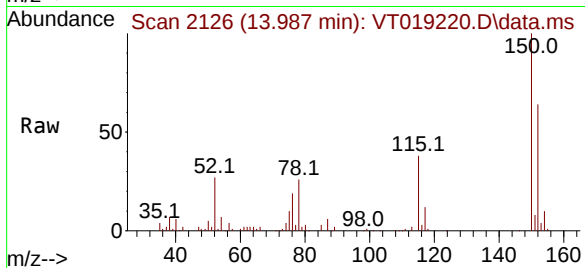
Tgt Ion:152 Resp: 97945

Ion Ratio Lower Upper

152 100

115 59.4 29.6 88.9

150 158.3 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 28.205 ug/l

RT: 12.912 min Scan# 1943

Delta R.T. -0.118 min

Lab File: VT019220.D

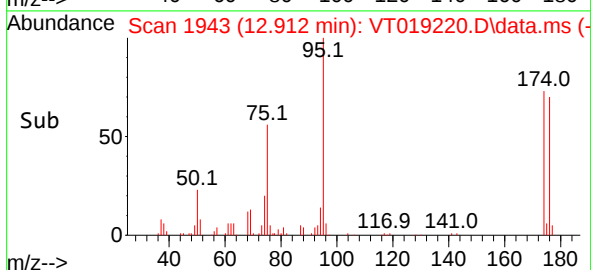
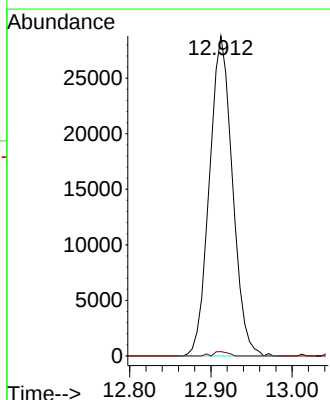
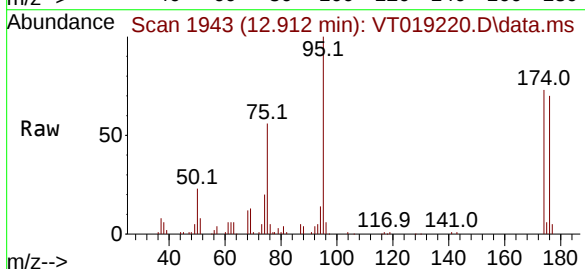
Acq: 31 Oct 2025 10:59

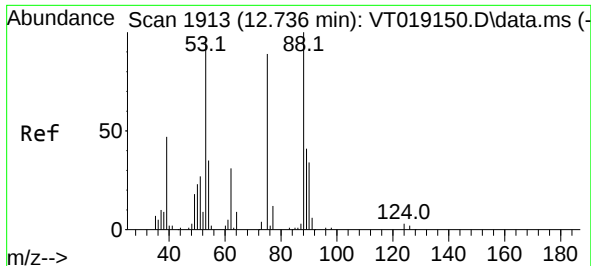
Tgt Ion: 75 Resp: 56848

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

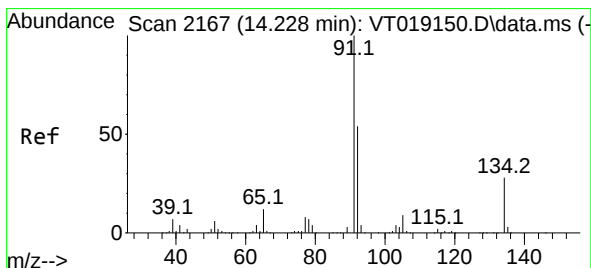
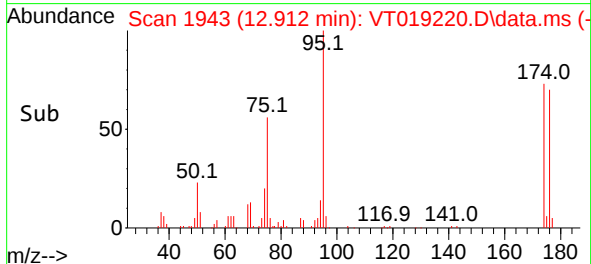
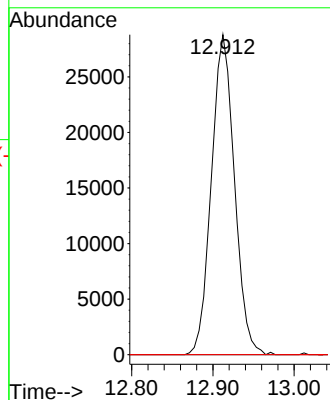
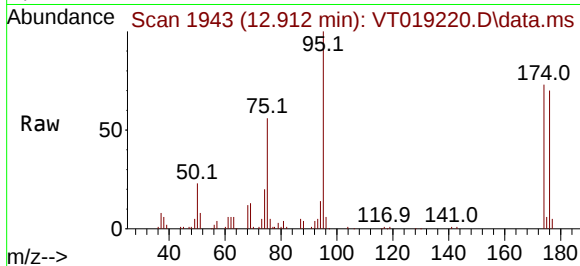




#81
trans-1,4-Dichloro-2-butene
Concen: 66.179 ug/l
RT: 12.912 min Scan# 1913
Delta R.T. 0.176 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

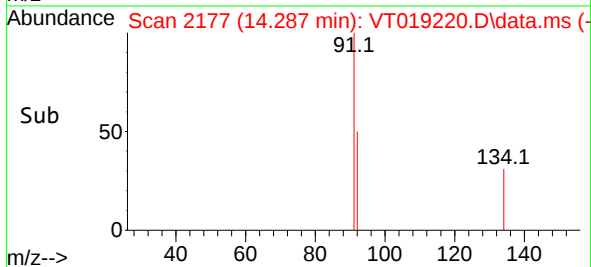
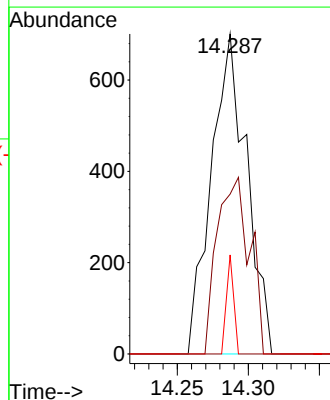
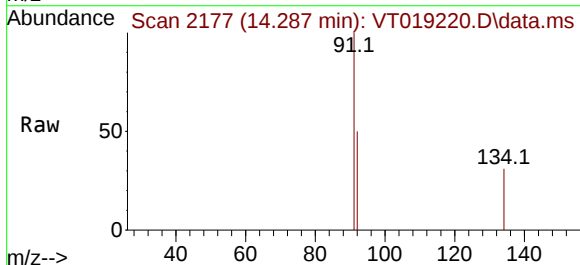
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01

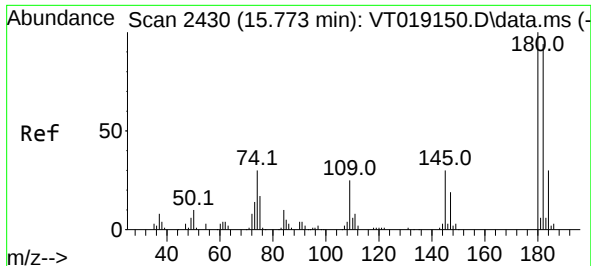
Tgt Ion: 75 Resp: 56848
Ion Ratio Lower Upper
75 100
53 0.0 86.0 129.0#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.214 ug/l
RT: 14.287 min Scan# 2177
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

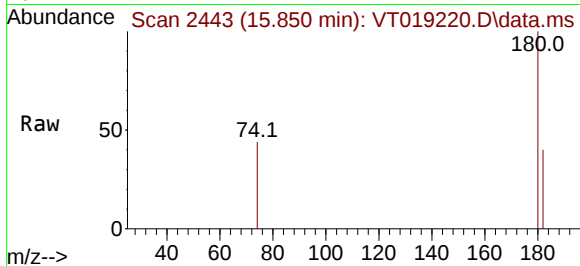
Tgt Ion: 91 Resp: 1214
Ion Ratio Lower Upper
91 100
92 50.7 27.1 81.2
134 6.3 13.7 41.0#



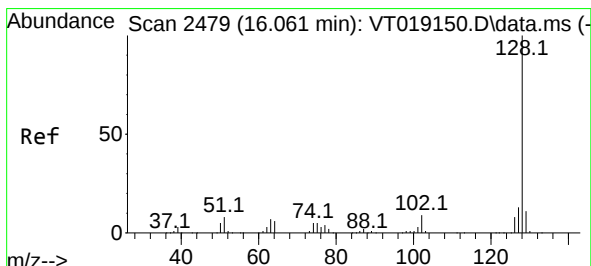
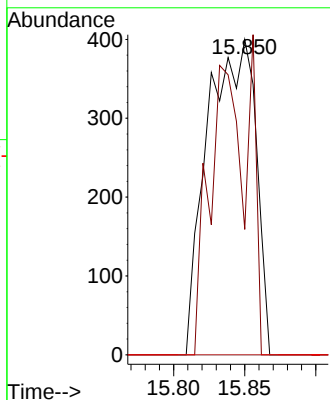
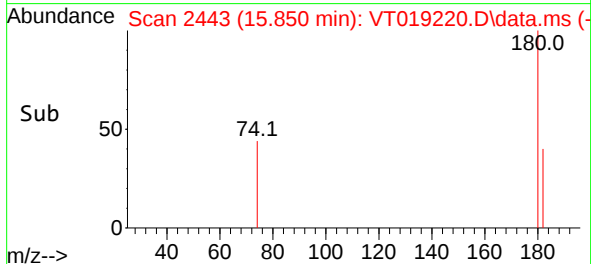


#93
1,2,4-Trichlorobenzene
Concen: 0.511 ug/l
RT: 15.850 min Scan# 2443
Delta R.T. 0.077 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

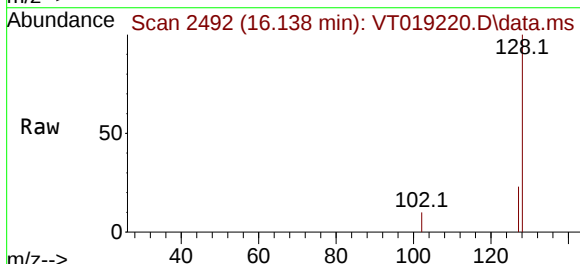
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01



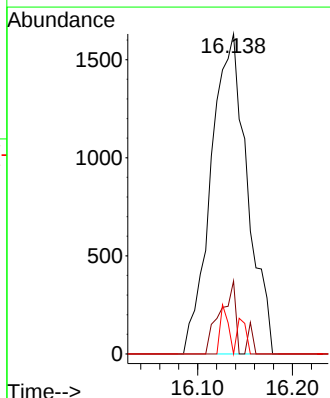
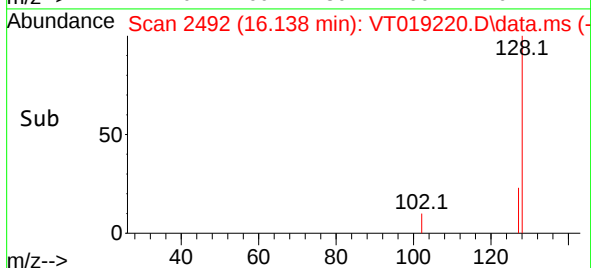
Tgt Ion:180 Resp: 945
Ion Ratio Lower Upper
180 100
182 74.3 47.0 141.0
145 0.0 15.0 45.0#

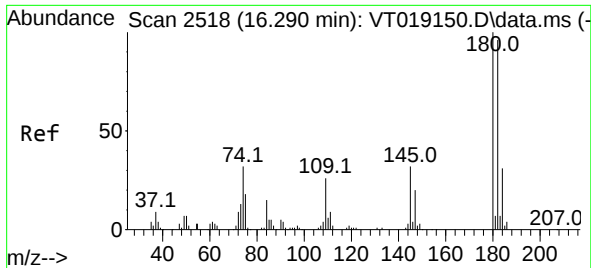


#95
Naphthalene
Concen: 0.668 ug/l
RT: 16.138 min Scan# 2492
Delta R.T. 0.077 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59



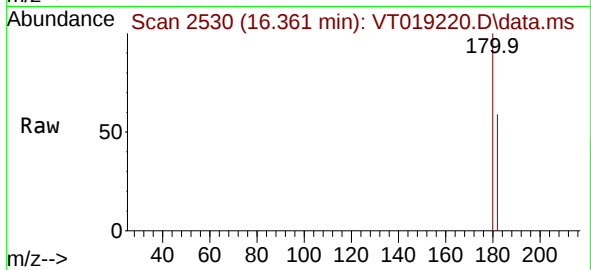
Tgt Ion:128 Resp: 4326
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 2.8 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.439 ug/l
 RT: 16.361 min Scan# 21
 Delta R.T. 0.065 min
 Lab File: VT019220.D
 Acq: 31 Oct 2025 10:59

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1031WBL01



Tgt Ion:180 Resp: 801
 Ion Ratio Lower Upper
 180 100
 182 84.3 47.6 142.8
 145 0.0 15.8 47.4#

