

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019209.D
 Acq On : 30 Oct 2025 10:50
 Operator : SY/MD
 Sample : VT1030WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL01

Quant Time: Oct 31 01:16:02 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

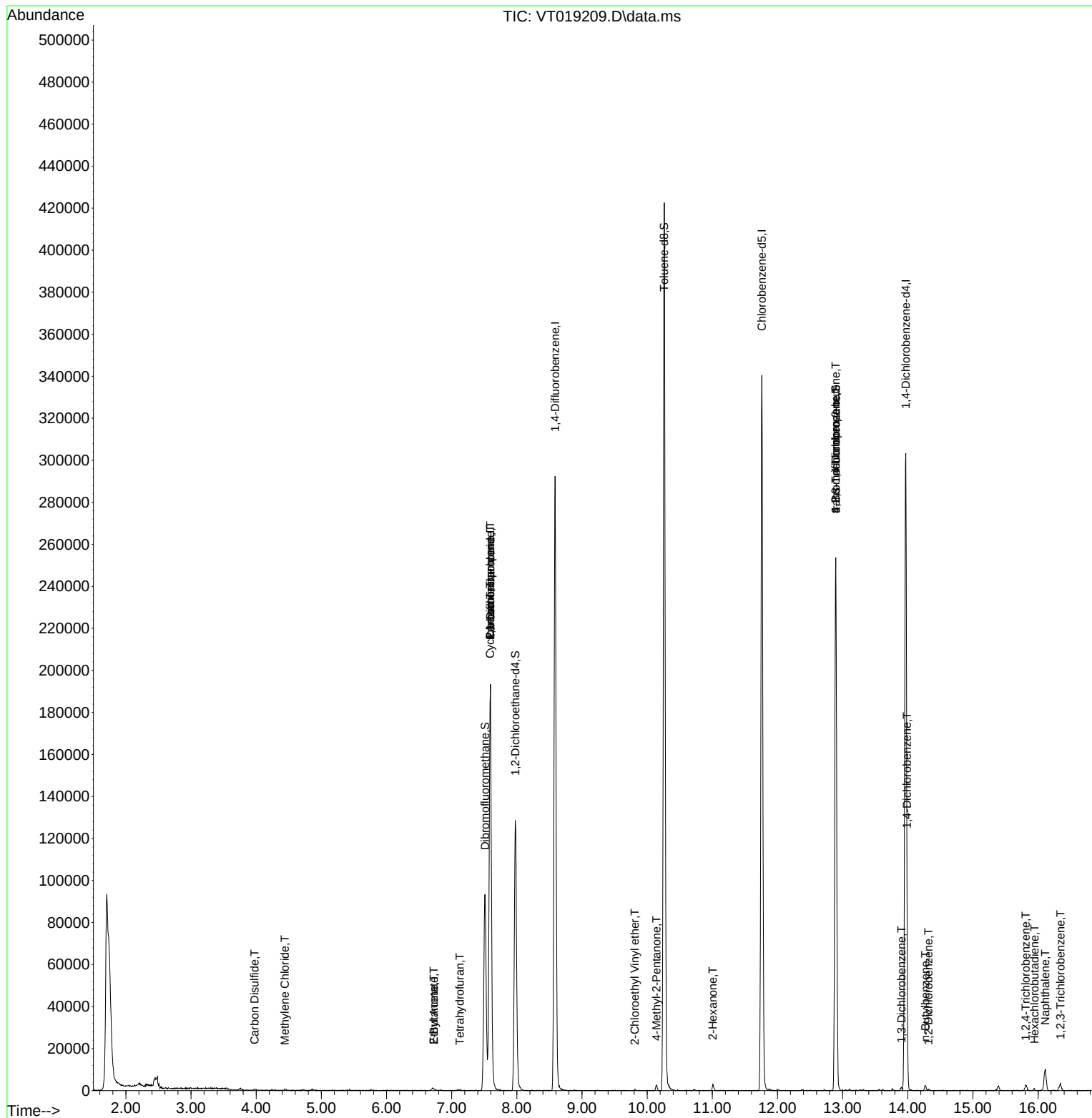
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.595	168	157987	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.588	114	266167	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.760	117	212185	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.970	152	99995	50.000	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.977	65	111305	43.800	ug/l	0.04
Spiked Amount	50.000		Recovery	=	87.600%	
35) Dibromofluoromethane	7.512	113	76733	45.581	ug/l	0.05
Spiked Amount	50.000		Recovery	=	91.160%	
50) Toluene-d8	10.262	98	306974	44.904	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.800%	
62) 4-Bromofluorobenzene	12.894	95	96322	44.819	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.640%	
Target Compounds						
					Qvalue	
16) Acetone	3.758	43	1414	Below Cal		97
17) Carbon Disulfide	3.975	76	853	0.412 ug/l	#	75
20) Methylene Chloride	4.439	84	344	0.202 ug/l	#	34
25) 2-Butanone	6.725	43	1038	0.534 ug/l	#	52
29) Tetrahydrofuran	7.125	42	424	0.375 ug/l	#	50
31) Cyclohexane	7.589	56	3835	1.547 ug/l	#	12
36) 1,1-Dichloropropene	7.595	75	13241	6.993 ug/l	#	48
37) Ethyl Acetate	6.725	43	1038	0.322 ug/l	#	71
38) Carbon Tetrachloride	7.595	117	15543	9.028 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.145	43	1973	0.639 ug/l		97
58) 2-Chloroethyl Vinyl ether	9.810	63	316	0.423 ug/l	#	80
59) 2-Hexanone	11.008	43	2434	1.041 ug/l		95
76) 1,2,3-Trichloropropane	12.894	75	56578	27.496 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.894	75	56578	64.514 ug/l	#	7
87) 1,3-Dichlorobenzene	13.905	146	728	0.243 ug/l	#	79
88) 1,4-Dichlorobenzene	13.987	146	1059	0.351 ug/l	#	1
89) n-Butylbenzene	14.269	91	2602	0.449 ug/l		91
91) 1,2-Dichlorobenzene	14.316	146	659	0.224 ug/l	#	54
93) 1,2,4-Trichlorobenzene	15.809	180	2182	1.156 ug/l	#	78
94) Hexachlorobutadiene	15.944	225	503	0.646 ug/l	#	66
95) Naphthalene	16.108	128	14641	2.215 ug/l		99
96) 1,2,3-Trichlorobenzene	16.343	180	2366	1.270 ug/l		89

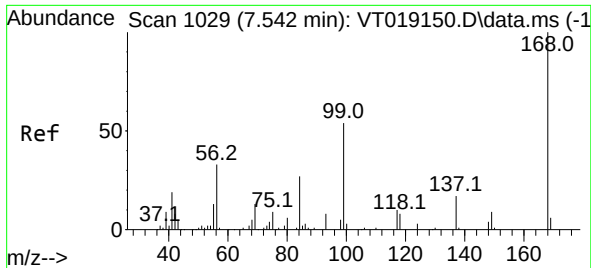
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VT1030WBL01
Misc : 5.0mL/MSVOA_T/WATER
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Instrument :
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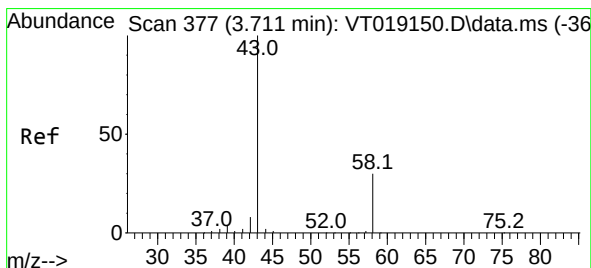
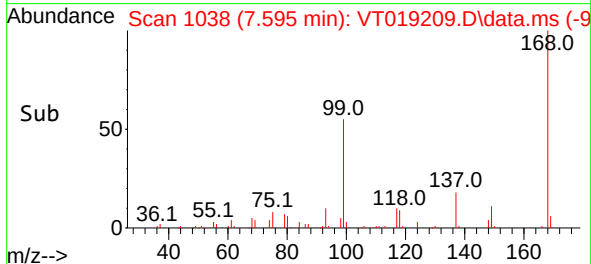
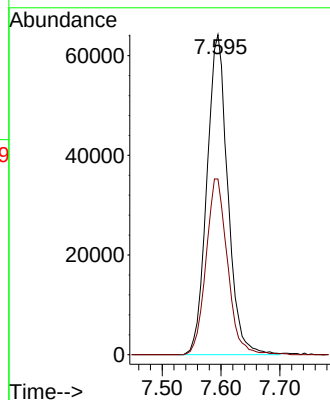
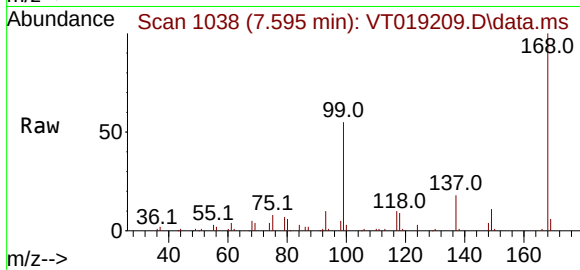




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.595 min Scan# 10
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

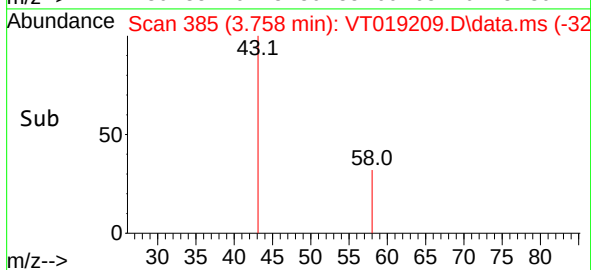
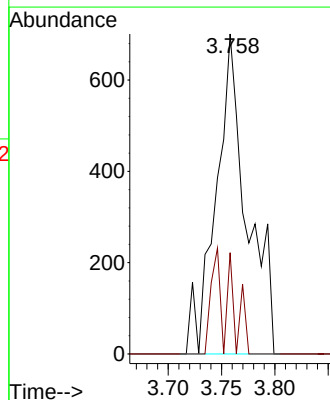
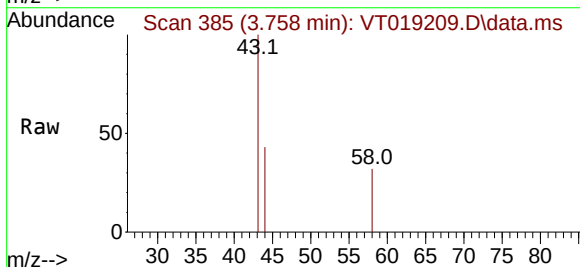
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

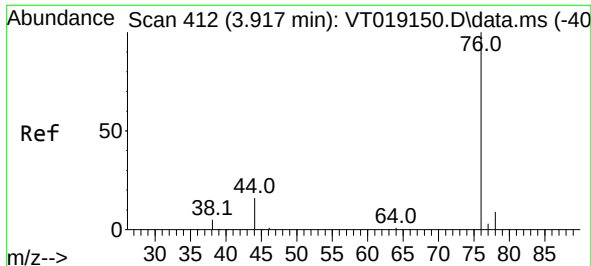
Tgt Ion:168 Resp: 157987
Ion Ratio Lower Upper
168 100
99 54.9 46.6 70.0



#16
Acetone
Concen: Below Cal
RT: 3.758 min Scan# 385
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.8





#17

Carbon Disulfide

Concen: 0.412 ug/l

RT: 3.975 min Scan# 41

Delta R.T. 0.041 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

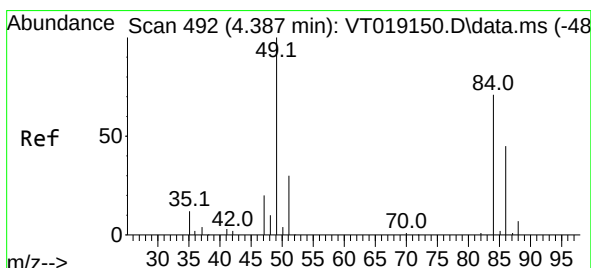
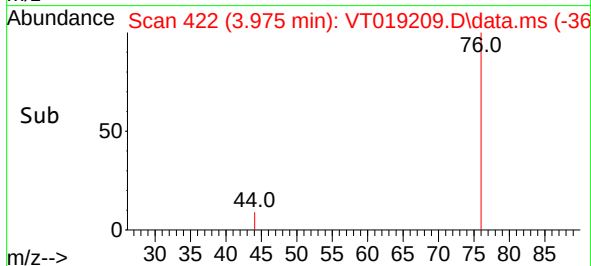
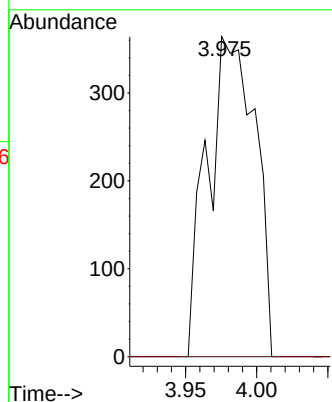
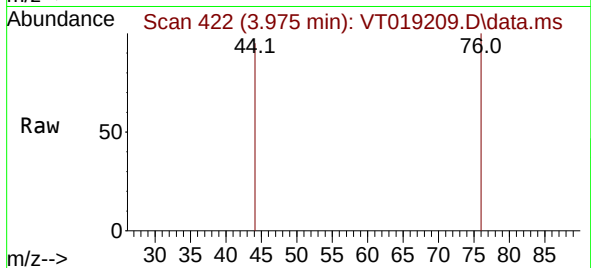
VT1030WBL01

Tgt Ion: 76 Resp: 853

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 4.439 min Scan# 501

Delta R.T. 0.042 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Tgt Ion: 84 Resp: 344

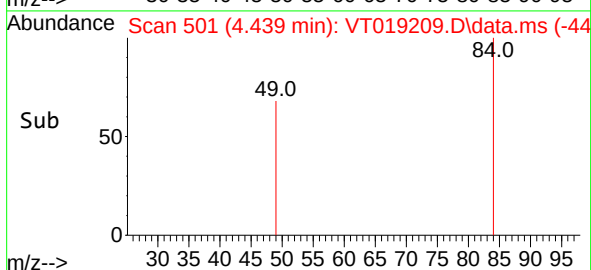
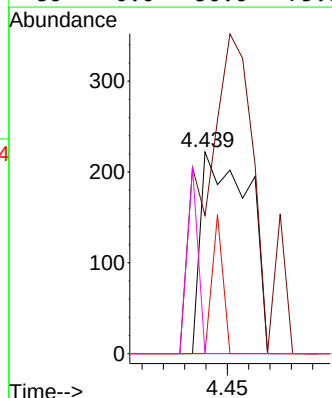
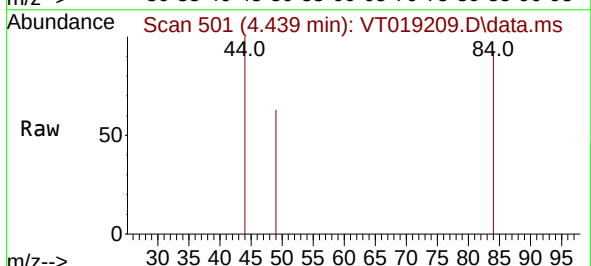
Ion Ratio Lower Upper

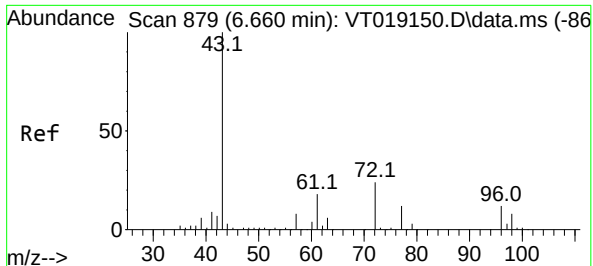
84 100

49 68.5 113.1 169.7#

51 0.0 33.6 50.4#

86 0.0 50.6 75.8#





#25

2-Butanone

Concen: 0.534 ug/l

RT: 6.725 min Scan# 89

Delta R.T. 0.059 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

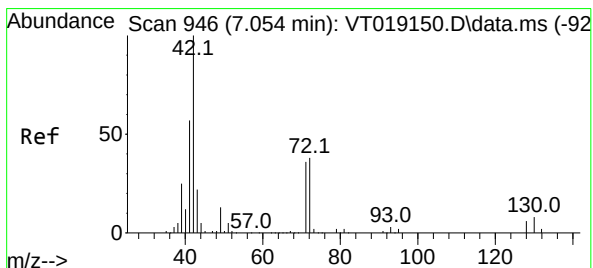
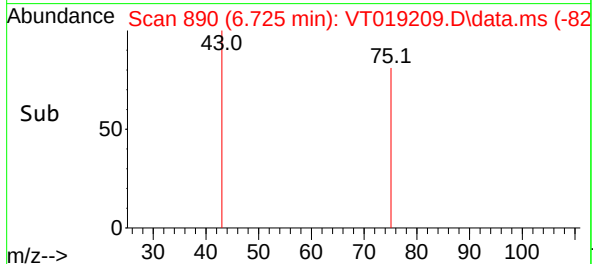
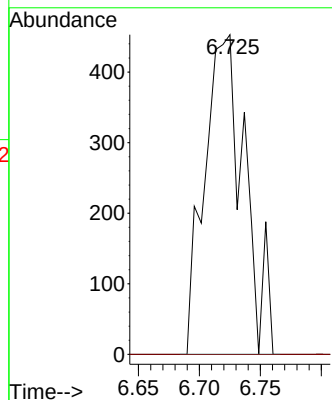
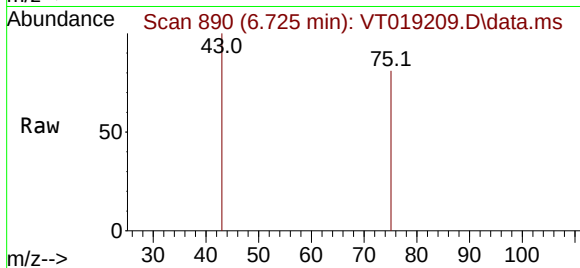
VT1030WBL01

Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 7.125 min Scan# 958

Delta R.T. 0.059 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

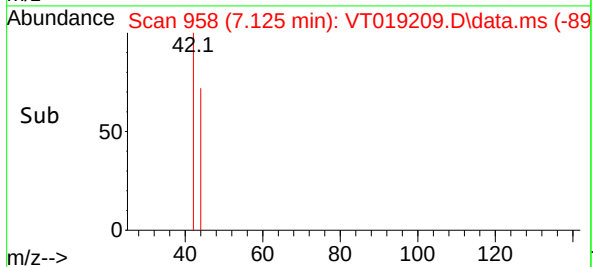
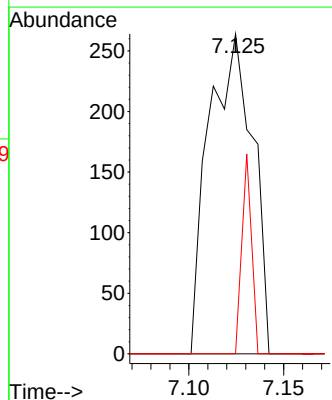
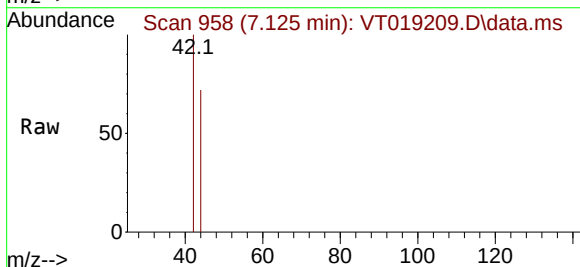
Tgt Ion: 42 Resp: 424

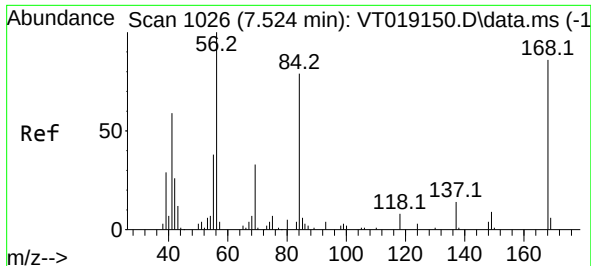
Ion Ratio Lower Upper

42 100

72 0.0 30.1 45.1#

71 13.7 28.4 42.6#

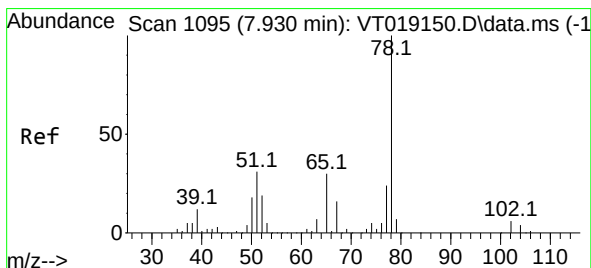
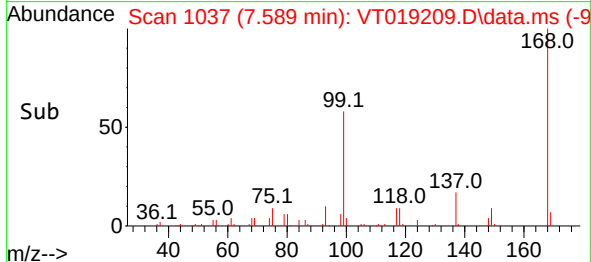
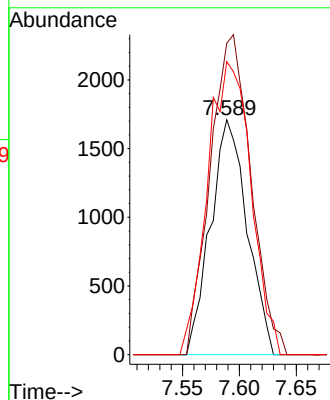
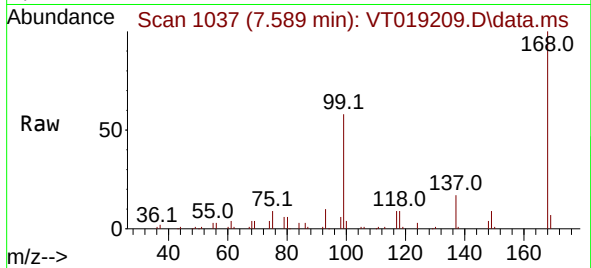




#31
Cyclohexane
Concen: 1.547 ug/l
RT: 7.589 min Scan# 1103
Delta R.T. 0.053 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

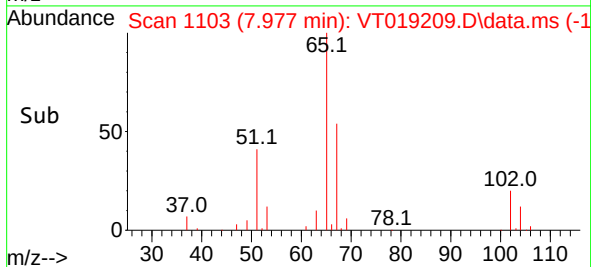
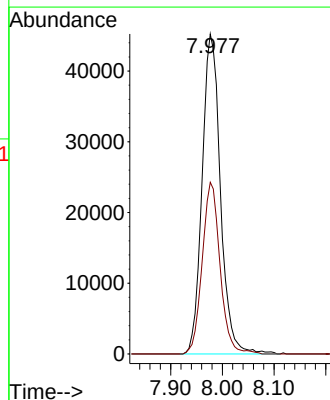
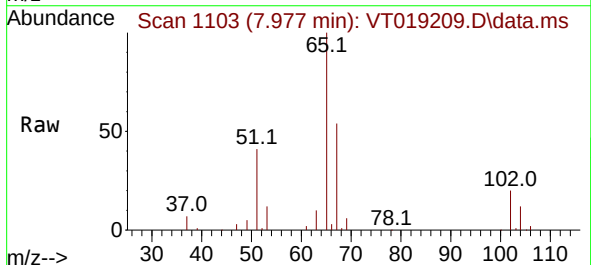
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

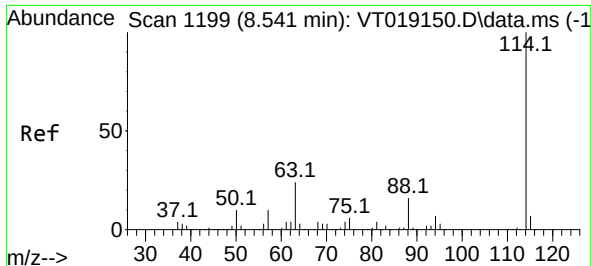
Tgt Ion: 56 Resp: 3835
Ion Ratio Lower Upper
56 100
69 132.6 26.1 39.1#
84 124.7 63.6 95.4#



#33
1,2-Dichloroethane-d4
Concen: 43.800 ug/l
RT: 7.977 min Scan# 1103
Delta R.T. 0.042 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 65 Resp: 111305
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.588 min Scan# 1199

Delta R.T. 0.041 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL01

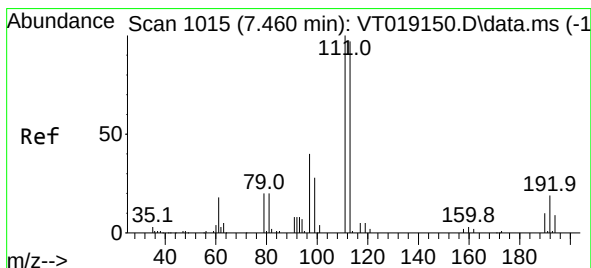
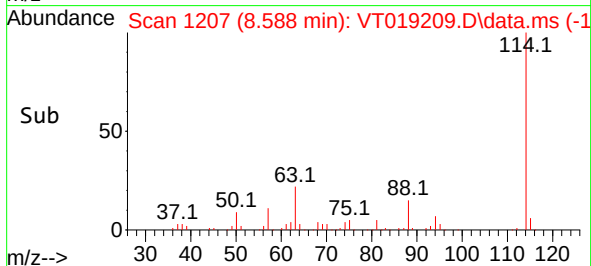
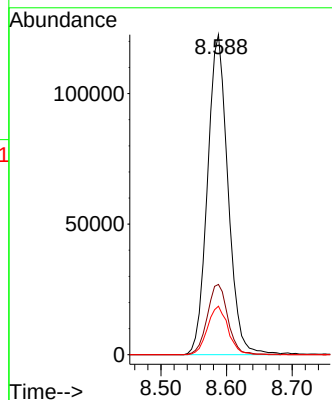
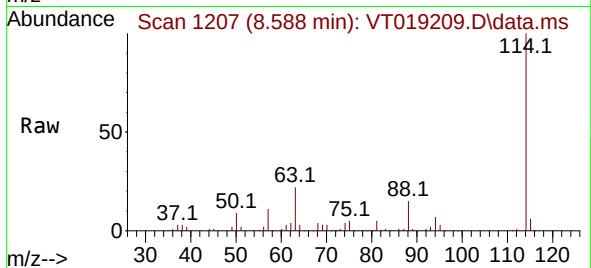
Tgt Ion:114 Resp: 266167

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.2

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.581 ug/l

RT: 7.512 min Scan# 1024

Delta R.T. 0.047 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

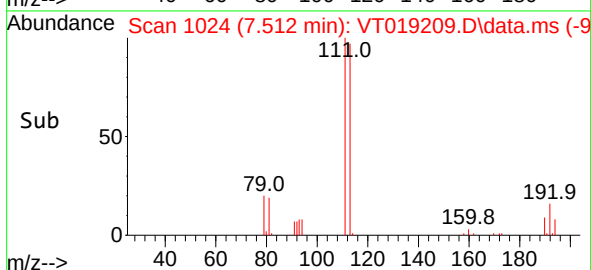
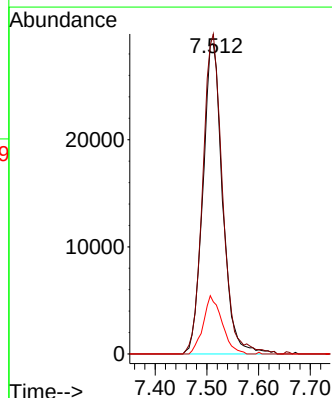
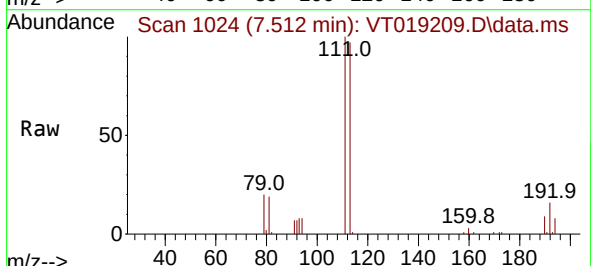
Tgt Ion:113 Resp: 76733

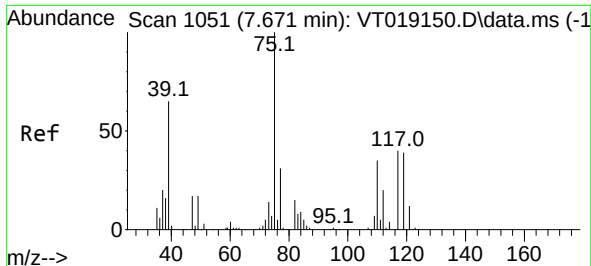
Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

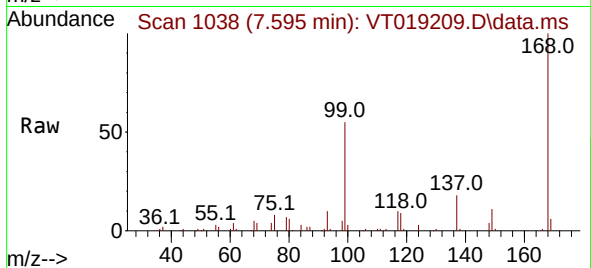
192 17.9 15.3 22.9



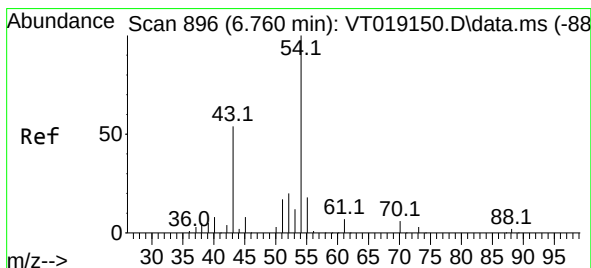
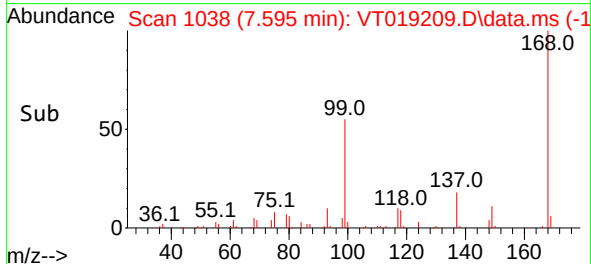
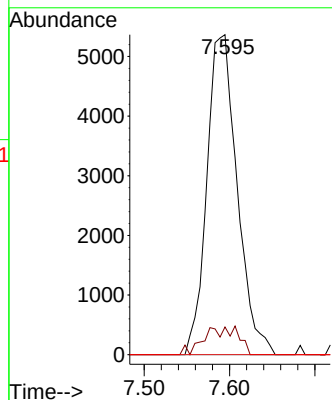


#36
1,1-Dichloropropene
Concen: 6.993 ug/l
RT: 7.595 min Scan# 1051
Delta R.T. -0.088 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

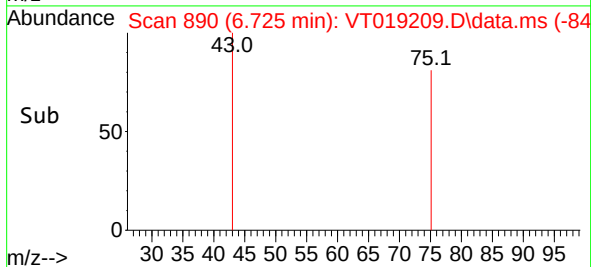
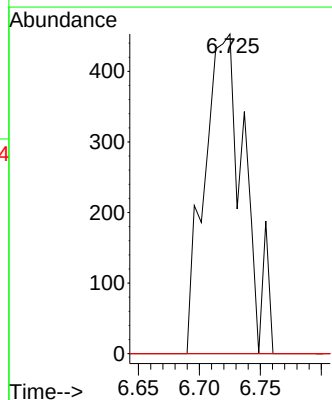
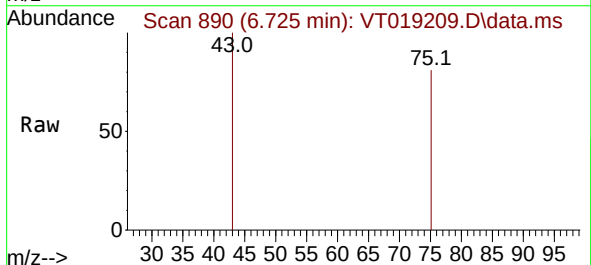


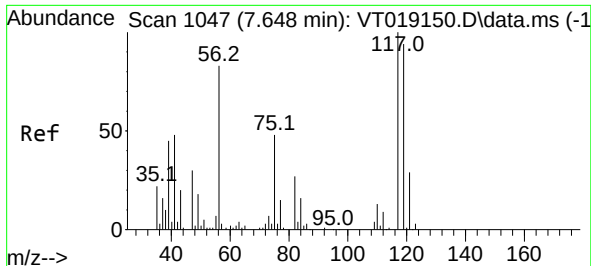
Tgt Ion: 75 Resp: 13241
Ion Ratio Lower Upper
75 100
110 5.3 16.1 48.2#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.322 ug/l
RT: 6.725 min Scan# 890
Delta R.T. -0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.3 10.9#

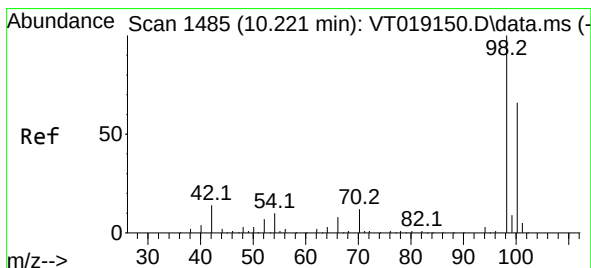
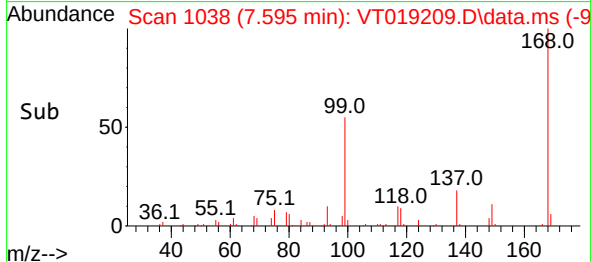
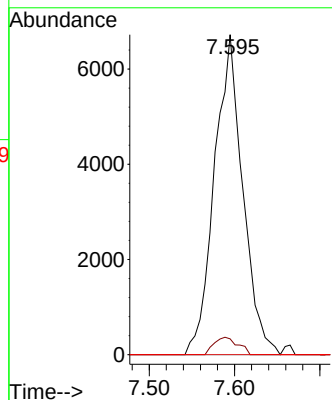
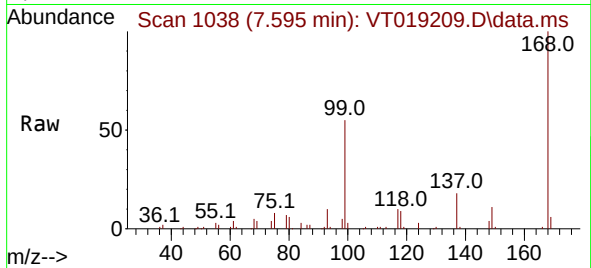




#38
Carbon Tetrachloride
Concen: 9.028 ug/l
RT: 7.595 min Scan# 1047
Delta R.T. -0.064 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

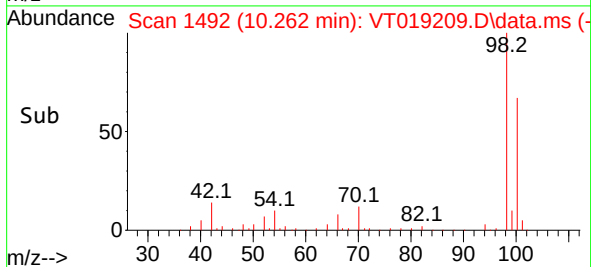
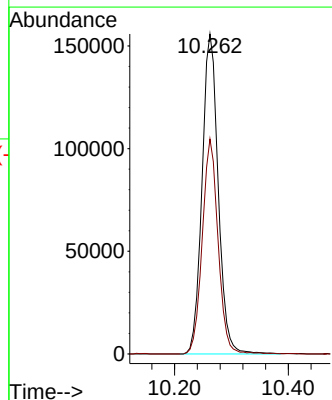
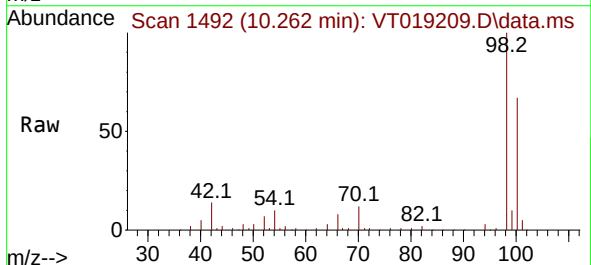
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

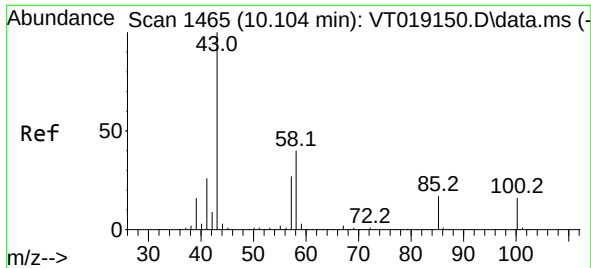
Tgt Ion:117 Resp: 15543
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 44.904 ug/l
RT: 10.262 min Scan# 1492
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 98 Resp: 306974
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

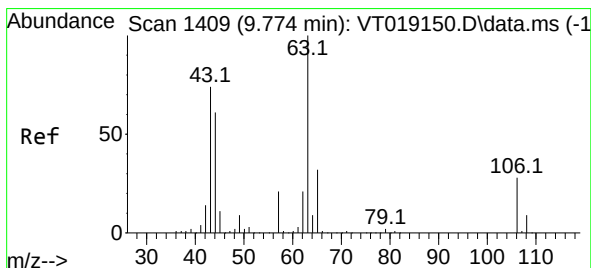
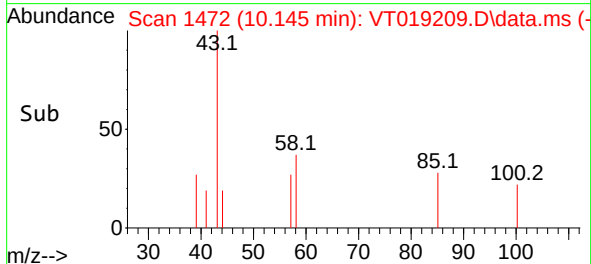
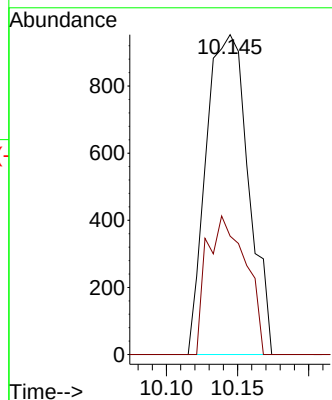
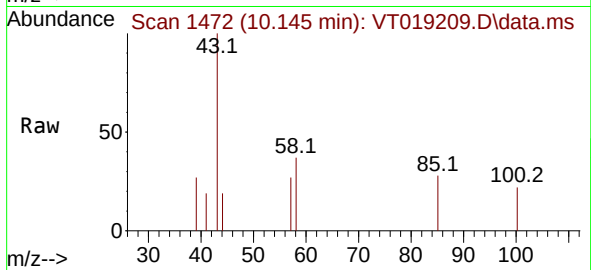




#51
4-Methyl-2-Pentanone
Concen: 0.639 ug/l
RT: 10.145 min Scan# 1472
Delta R.T. 0.036 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

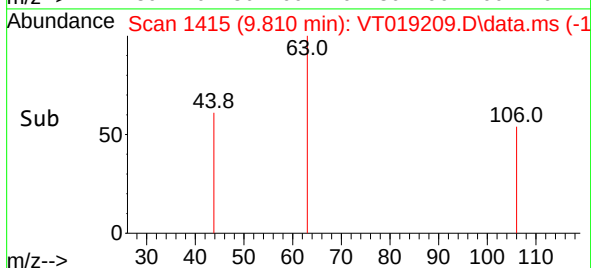
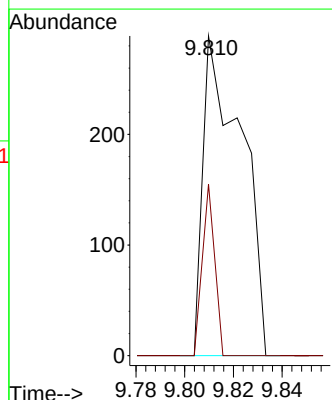
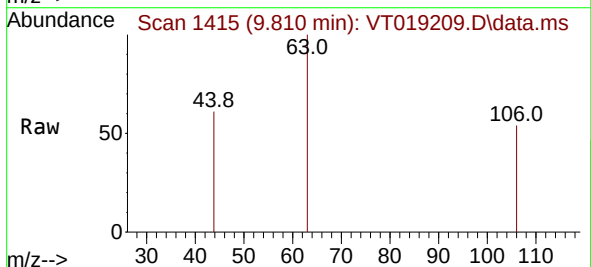
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

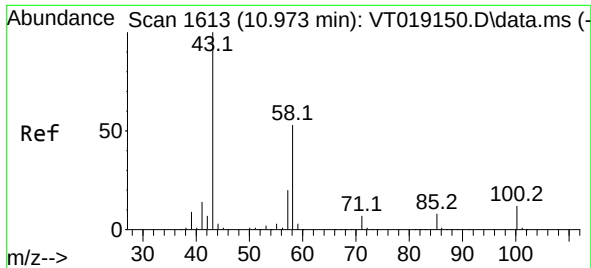
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
58 39.9 30.5 45.7



#58
2-Chloroethyl Vinyl ether
Concen: 0.423 ug/l
RT: 9.810 min Scan# 1415
Delta R.T. 0.030 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 63 Resp: 316
Ion Ratio Lower Upper
63 100
106 17.4 22.4 33.6#

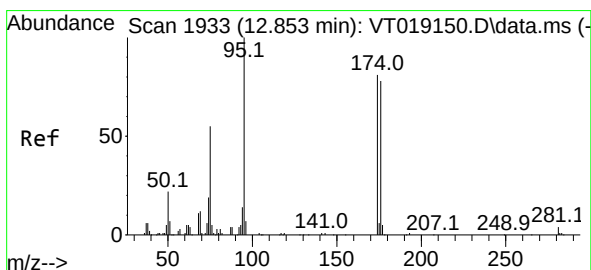
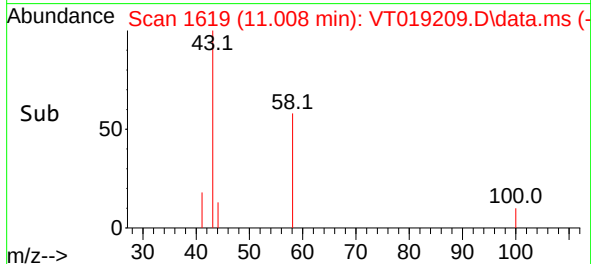
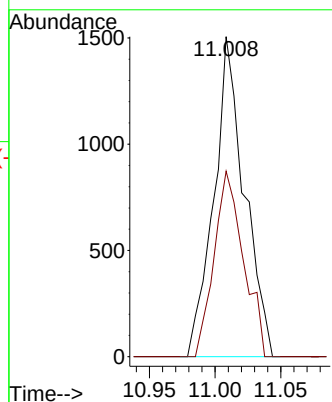
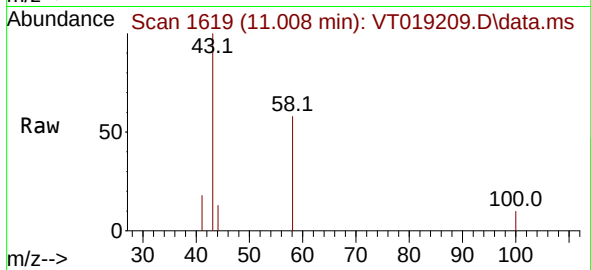




#59
2-Hexanone
Concen: 1.041 ug/l
RT: 11.008 min Scan# 1
Delta R.T. 0.029 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

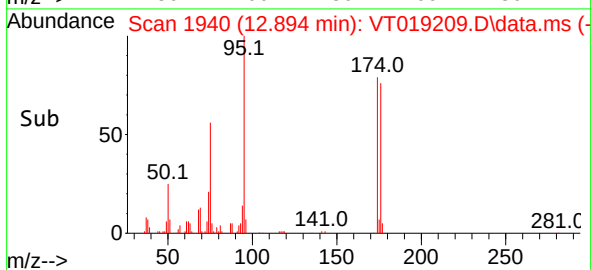
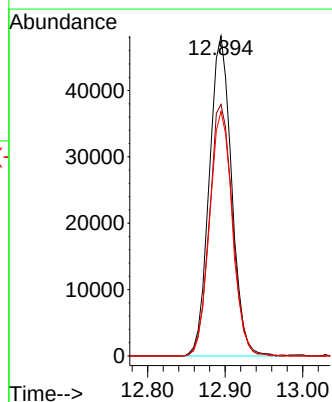
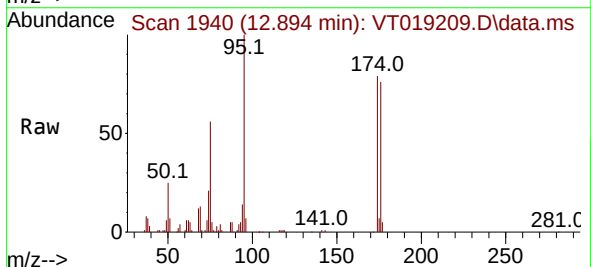
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

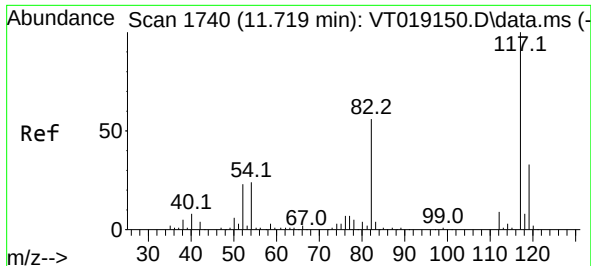
Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 55.7 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 44.819 ug/l
RT: 12.894 min Scan# 1940
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 95 Resp: 96322
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.6
176 78.0 0.0 156.6

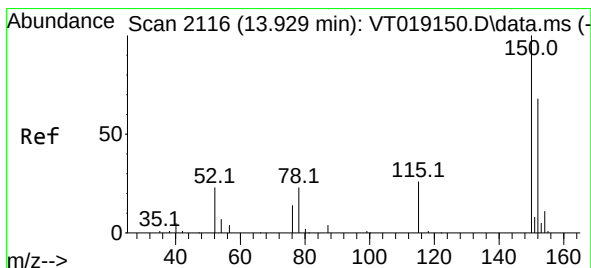
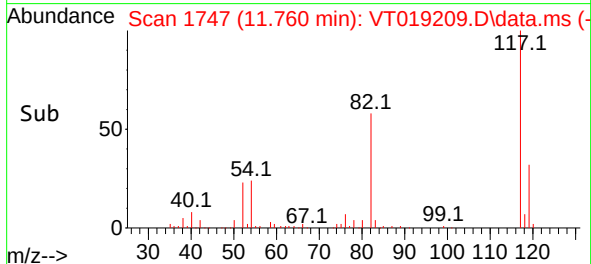
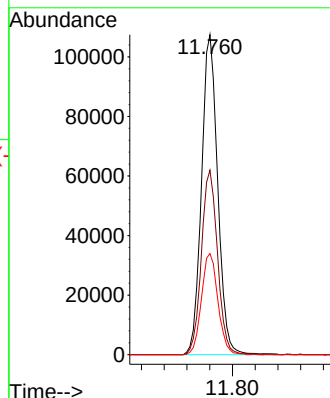
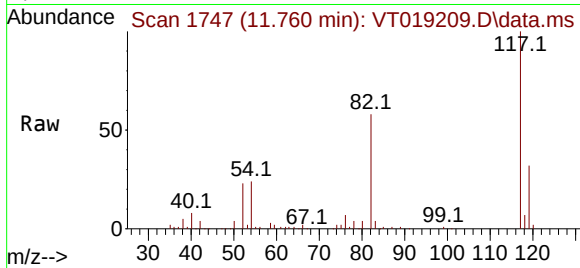




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.760 min Scan# 117
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

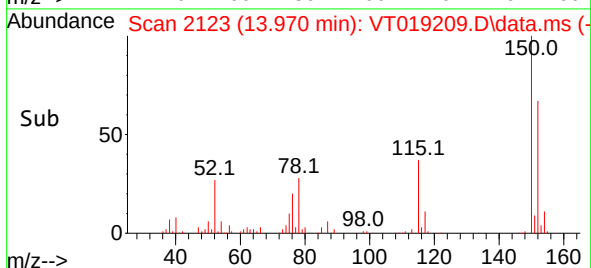
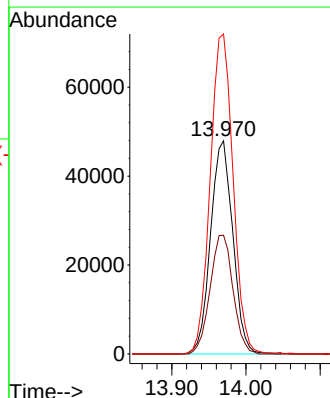
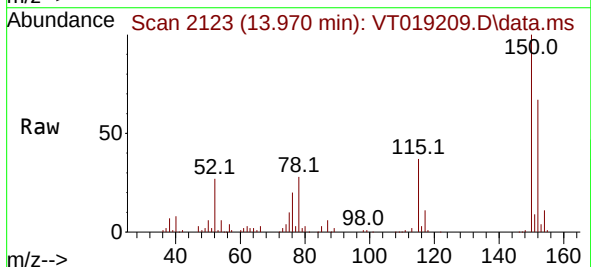
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

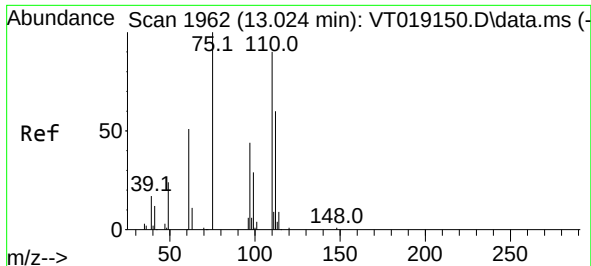
Tgt Ion:117 Resp: 212185
Ion Ratio Lower Upper
117 100
82 57.7 45.1 67.7
119 31.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.970 min Scan# 2123
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion:152 Resp: 99995
Ion Ratio Lower Upper
152 100
115 57.3 29.6 88.9
150 154.2 0.0 342.6

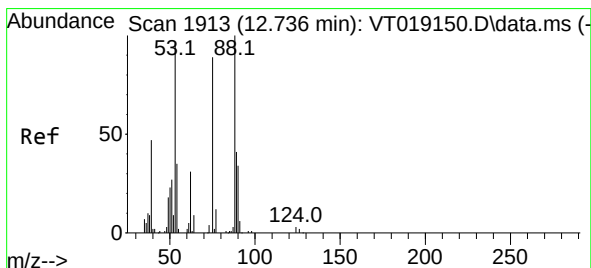
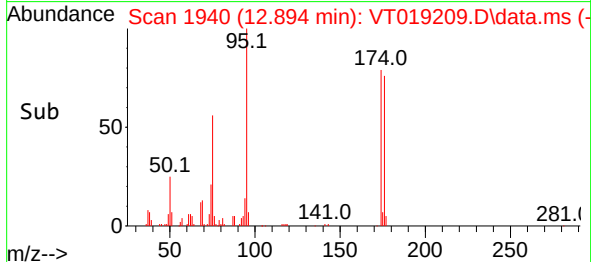
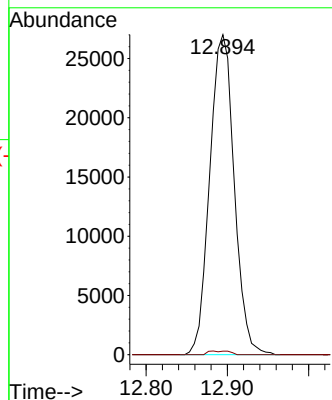
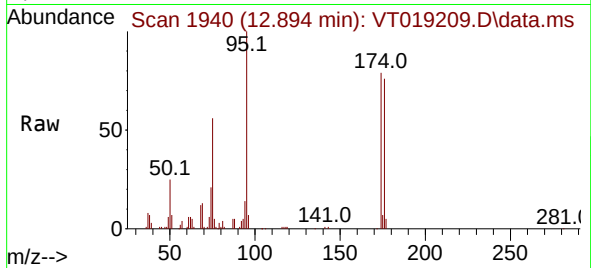




#76
1,2,3-Trichloropropane
Concen: 27.496 ug/l
RT: 12.894 min Scan# 1940
Delta R.T. -0.136 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

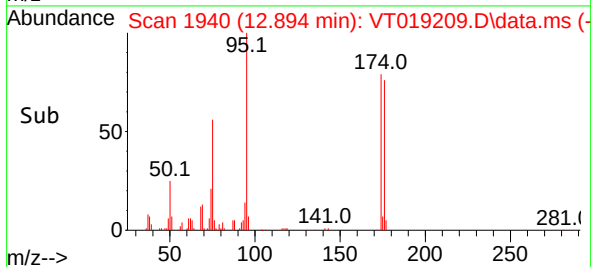
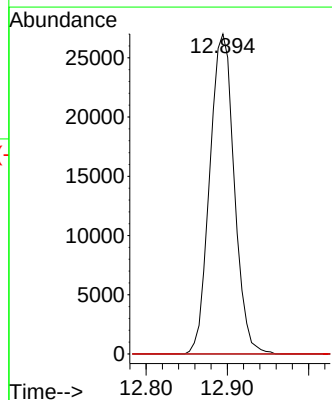
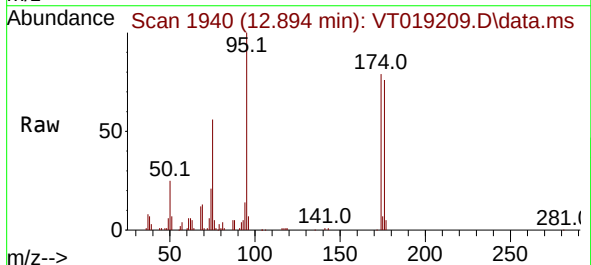
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

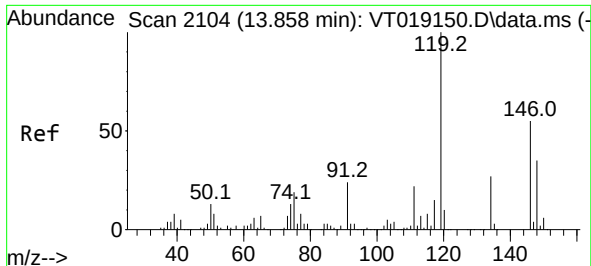
Tgt Ion: 75 Resp: 56578
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.514 ug/l
RT: 12.894 min Scan# 1940
Delta R.T. 0.158 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion: 75 Resp: 56578
Ion Ratio Lower Upper
75 100
53 0.0 86.0 129.0#
89 0.0 36.3 54.5#

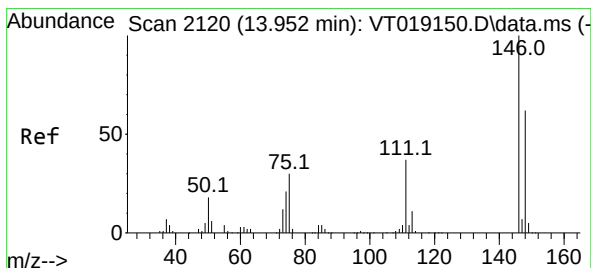
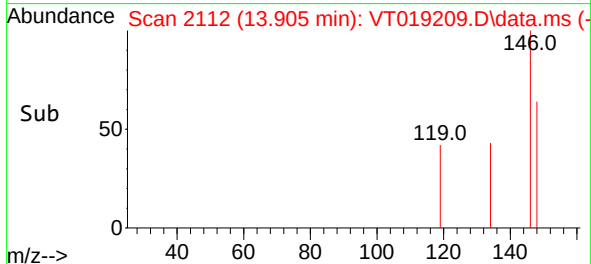
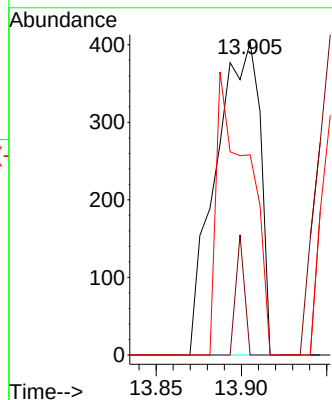
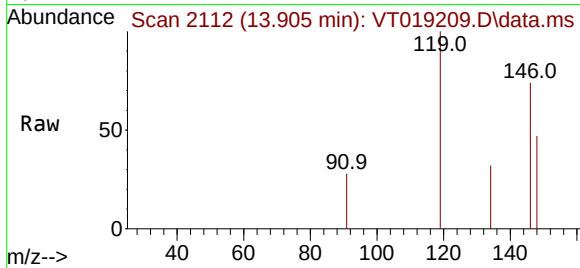




#87
1,3-Dichlorobenzene
Concen: 0.243 ug/l
RT: 13.905 min Scan# 2112
Delta R.T. 0.041 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

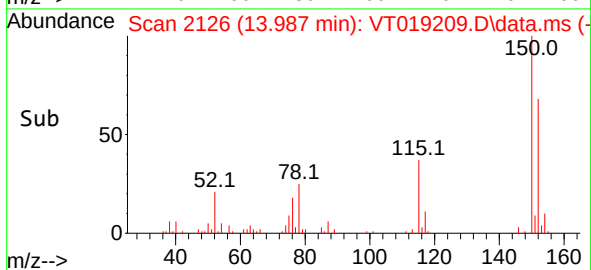
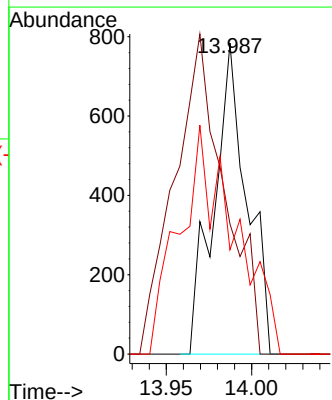
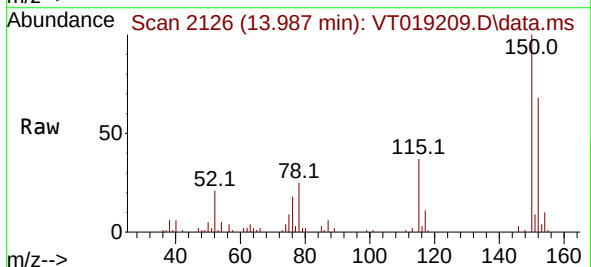
Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

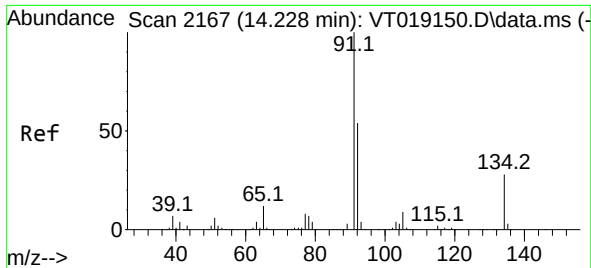
Tgt Ion:146 Resp: 728
Ion Ratio Lower Upper
146 100
111 7.6 20.3 60.9#
148 64.7 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 0.351 ug/l
RT: 13.987 min Scan# 2126
Delta R.T. 0.035 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion:146 Resp: 1059
Ion Ratio Lower Upper
146 100
111 155.3 19.3 57.8#
148 122.1 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.449 ug/l

RT: 14.269 min Scan# 2174

Delta R.T. 0.035 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

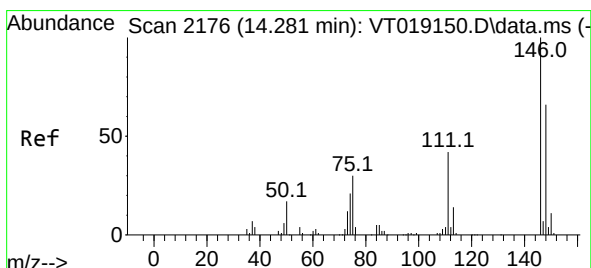
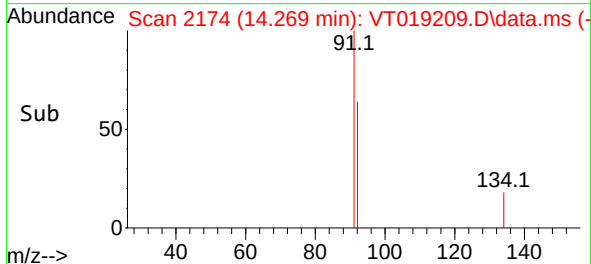
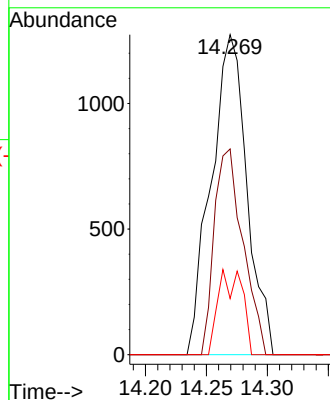
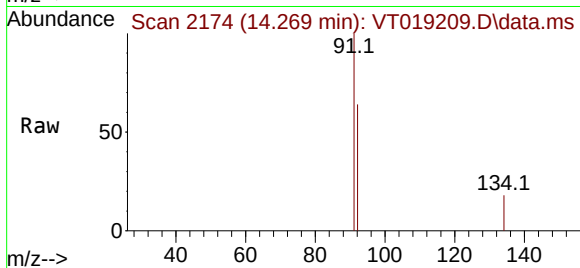
Instrument :

MSVOA_T

ClientSampleId :

VT1030WBL01

Tgt Ion: 91	Resp: 2602
Ion Ratio	Lower Upper
91 100	
92 51.5	27.1 81.2
134 17.7	13.7 41.0



#91

1,2-Dichlorobenzene

Concen: 0.224 ug/l

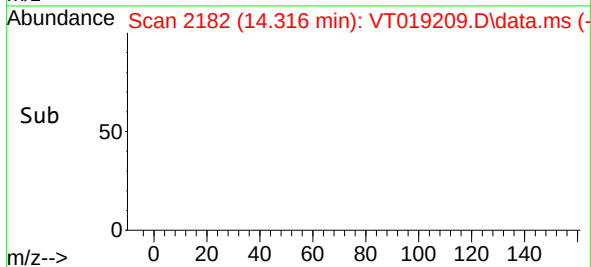
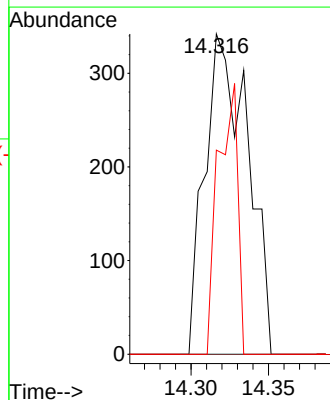
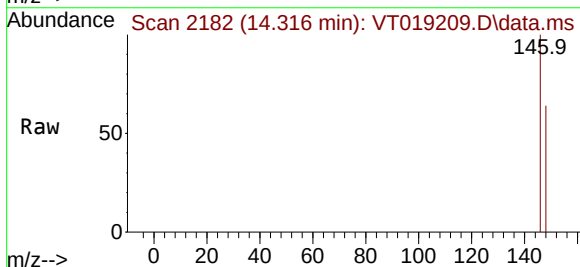
RT: 14.316 min Scan# 2182

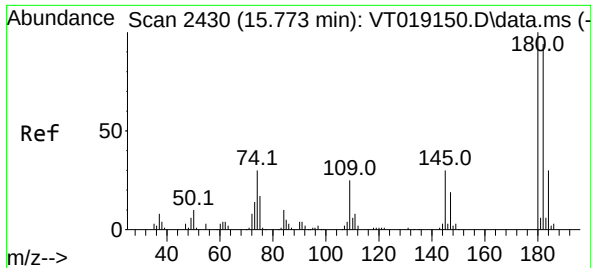
Delta R.T. 0.029 min

Lab File: VT019209.D

Acq: 30 Oct 2025 10:50

Tgt Ion:146	Resp: 659		
Ion Ratio	Lower	Upper	
146 100			
111 0.0	20.8	62.4#	
148 38.5	32.6	97.8	

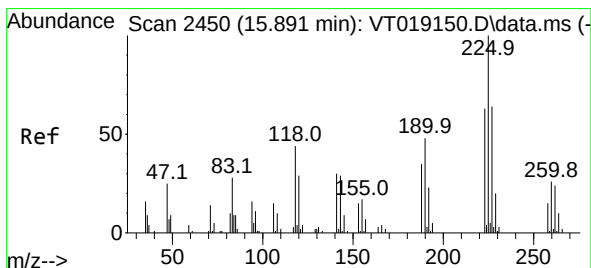
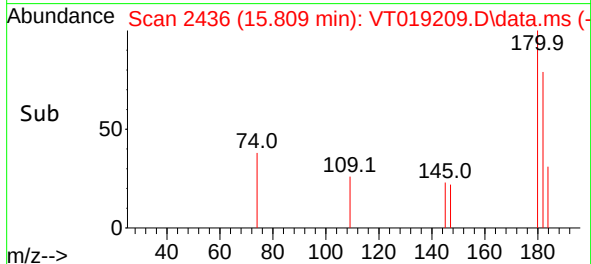
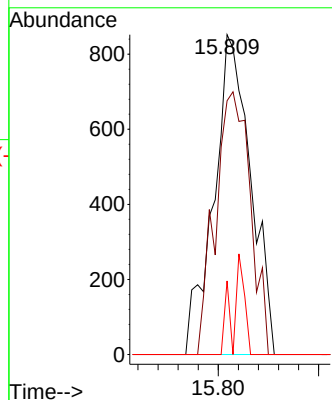
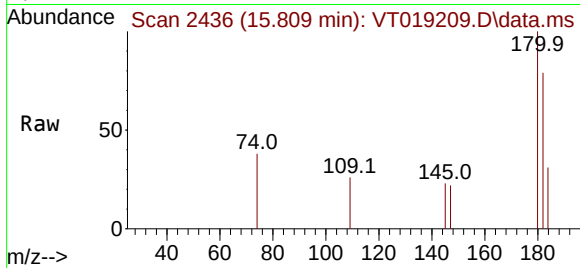




#93
 1,2,4-Trichlorobenzene
 Concen: 1.156 ug/l
 RT: 15.809 min Scan# 2436
 Delta R.T. 0.036 min
 Lab File: VT019209.D
 Acq: 30 Oct 2025 10:50

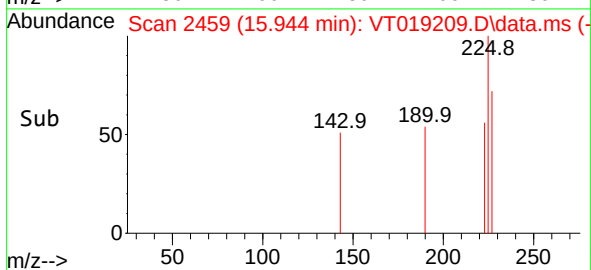
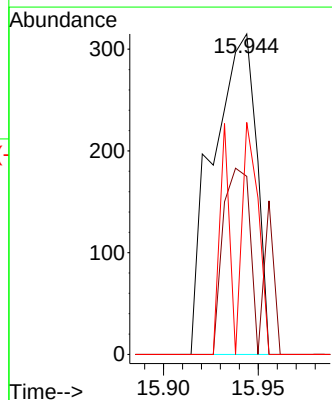
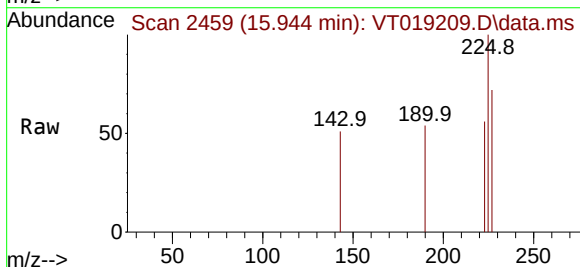
Instrument :
 MSVOA_T
 ClientSampleId :
 VT1030WBL01

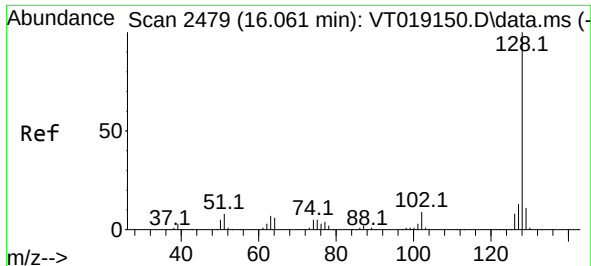
Tgt Ion:180 Resp: 2182
 Ion Ratio Lower Upper
 180 100
 182 77.5 47.0 141.0
 145 10.0 15.0 45.0#



#94
 Hexachlorobutadiene
 Concen: 0.646 ug/l
 RT: 15.944 min Scan# 2459
 Delta R.T. 0.047 min
 Lab File: VT019209.D
 Acq: 30 Oct 2025 10:50

Tgt Ion:225 Resp: 503
 Ion Ratio Lower Upper
 225 100
 223 46.1 31.1 93.5
 227 26.8 31.9 95.9#

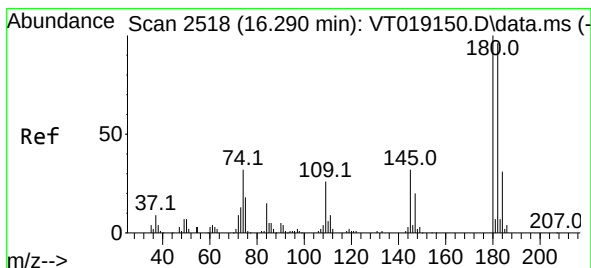
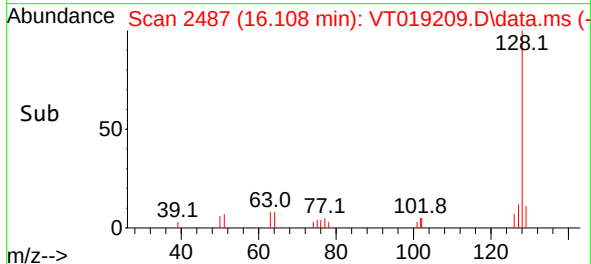
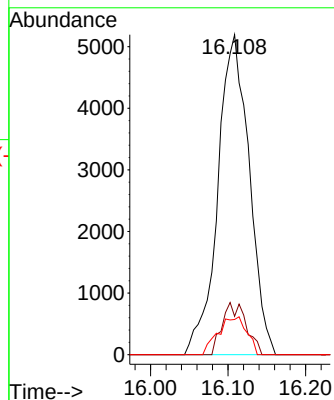
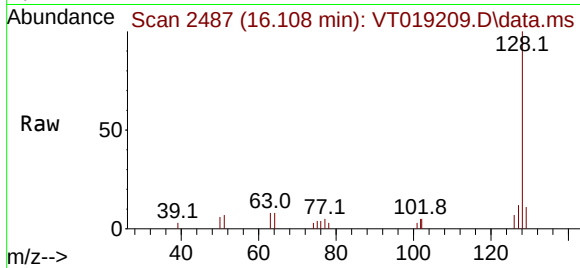




#95
Naphthalene
Concen: 2.215 ug/l
RT: 16.108 min Scan# 2479
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Instrument :
MSVOA_T
ClientSampleId :
VT1030WBL01

Tgt Ion:128 Resp: 14641
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.270 ug/l
RT: 16.343 min Scan# 2527
Delta R.T. 0.047 min
Lab File: VT019209.D
Acq: 30 Oct 2025 10:50

Tgt Ion:180 Resp: 2366
Ion Ratio Lower Upper
180 100
182 86.9 47.6 142.8
145 21.0 15.8 47.4

