

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032547.D
 Acq On : 26 Nov 2025 16:27
 Operator : SY/MD
 Sample : Q3719-08
 Misc : 3.72g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 00:29:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

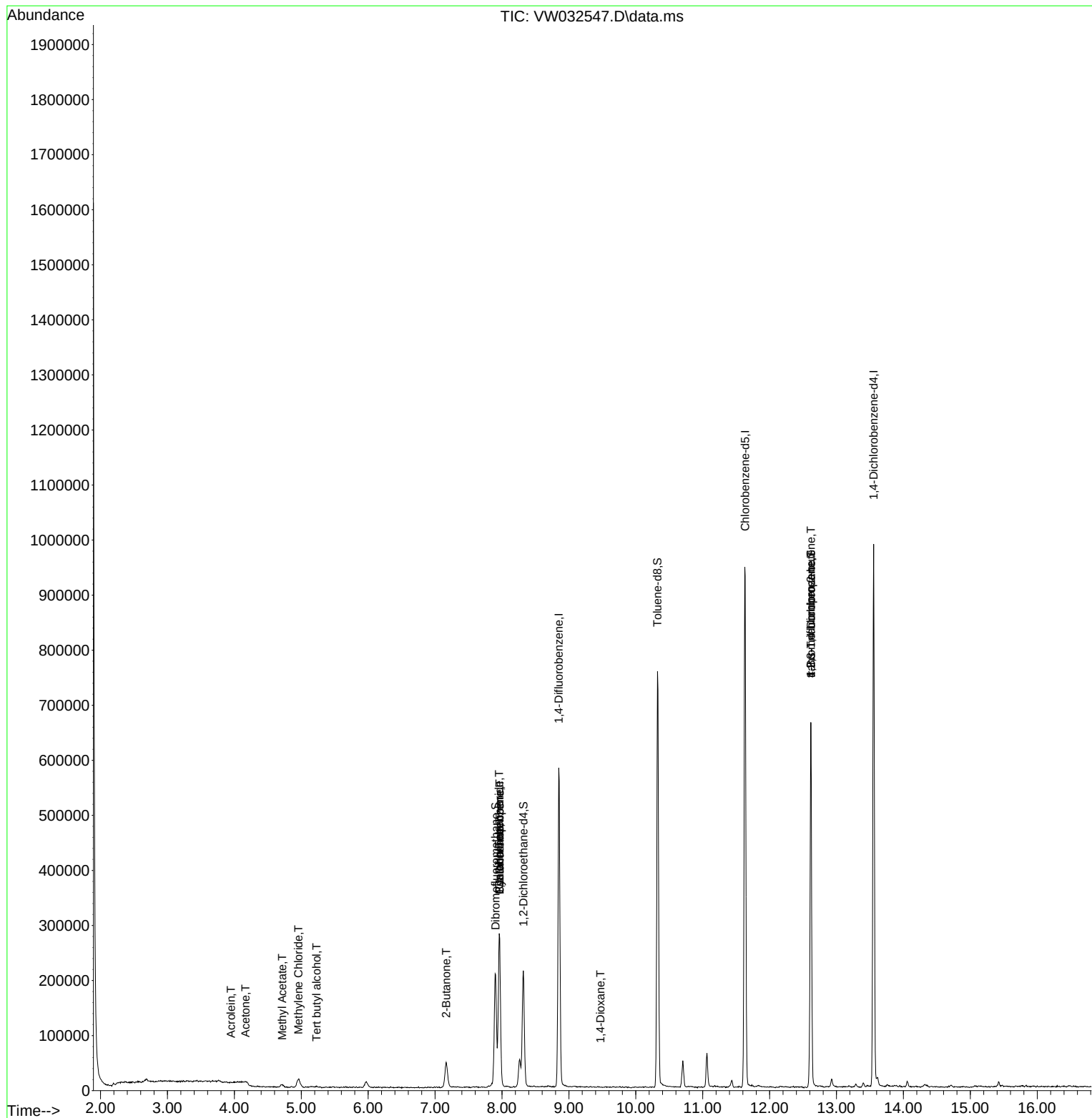
Internal Standards						
1) Pentafluorobenzene	7.965	168	191327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	462395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	513156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171946	69.708	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 139.420%		
35) Dibromofluoromethane	7.904	113	152930	55.240	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.480%		
50) Toluene-d8	10.325	98	500524	47.127	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.260%		
62) 4-Bromofluorobenzene	12.617	95	222080	55.352	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 110.700%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	332	1.557	ug/l #	1
13) Acrolein	3.948	56	522	1.459	ug/l #	59
16) Acetone	4.167	43	3500	4.743	ug/l #	80
18) Methyl Acetate	4.716	43	10887	5.957	ug/l #	75
20) Methylene Chloride	4.960	84	12607	4.777	ug/l	89
25) 2-Butanone	7.167	43	2955	2.718	ug/l #	68
31) Cyclohexane	7.965	56	5866	1.437	ug/l #	12
36) 1,1-Dichloropropene	7.965	75	18011	4.415	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21977	6.064	ug/l #	16
49) 1,4-Dioxane	9.471	88	95	3.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	116293	34.461	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	116293	78.932	ug/l #	11

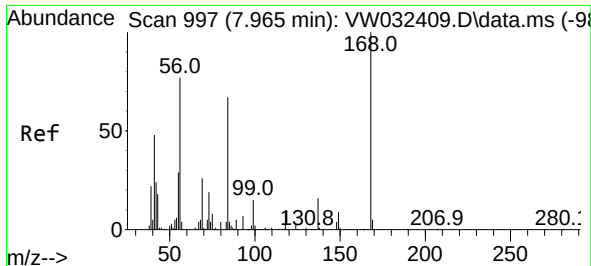
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 11 03:48:21 2025
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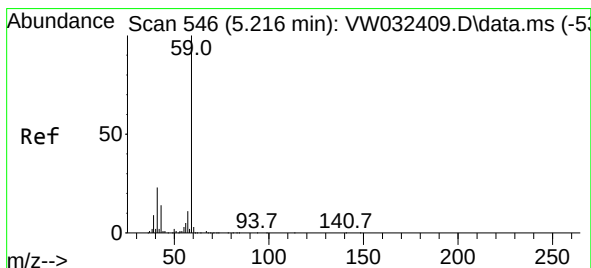
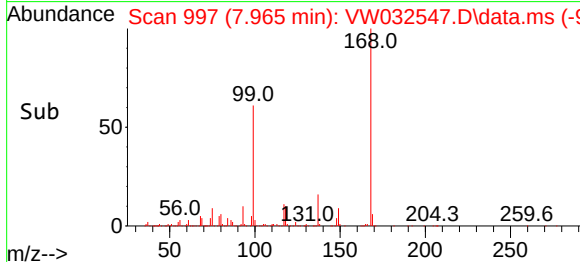
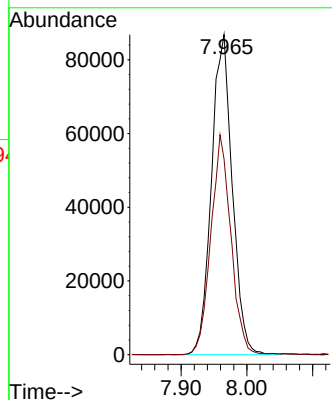
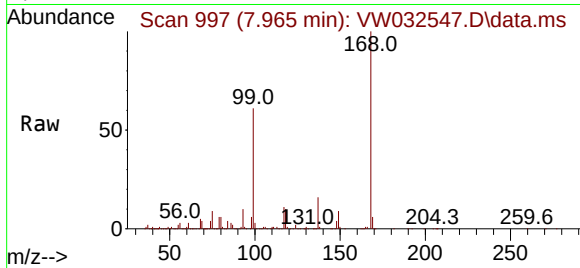




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

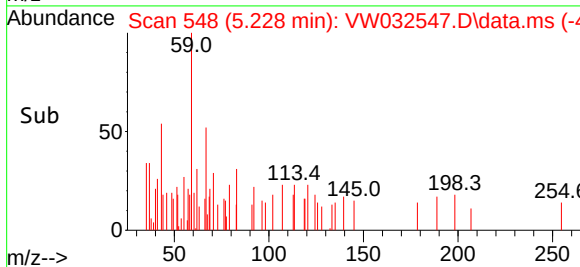
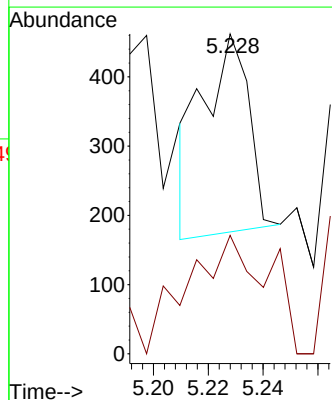
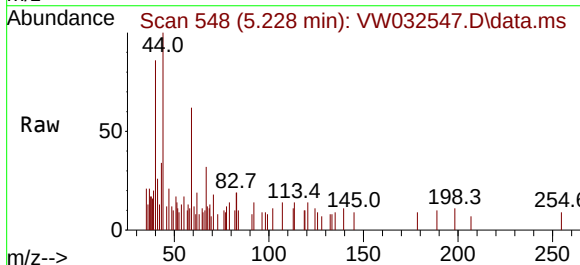
Instrument :
MSVOA_W
ClientSampleId :

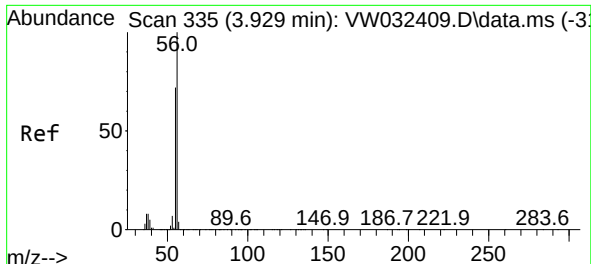
Tgt Ion:168 Resp: 191327
Ion Ratio Lower Upper
168 100
99 61.1 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 104.8 8.6 12.8#

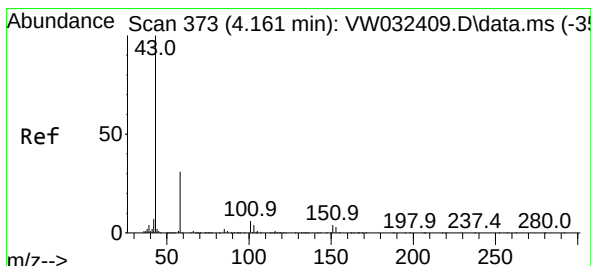
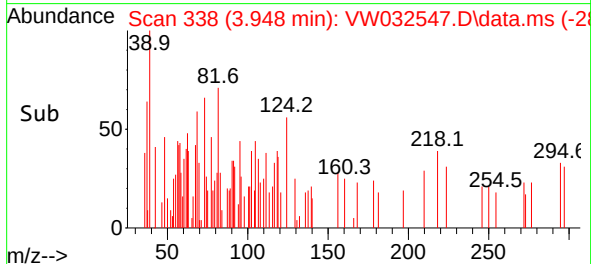
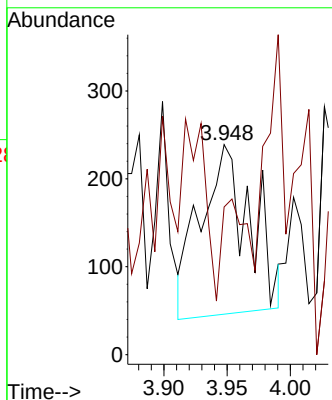
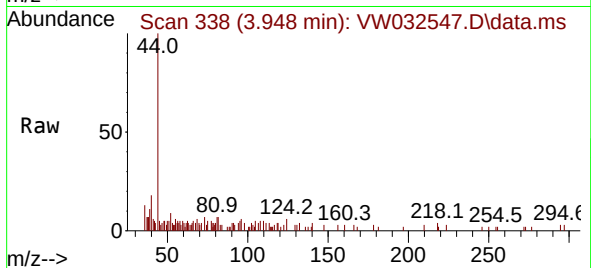




#13
Acrolein
Concen: 1.459 ug/l
RT: 3.948 min Scan# 311
Delta R.T. 0.018 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

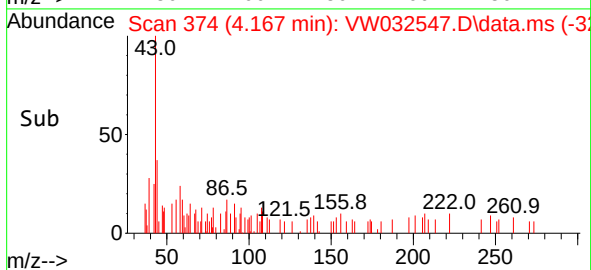
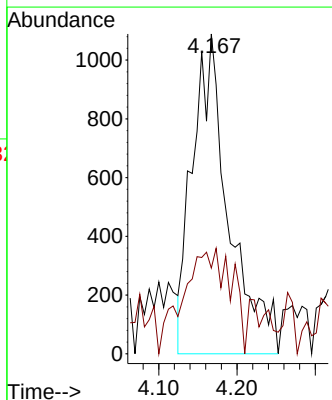
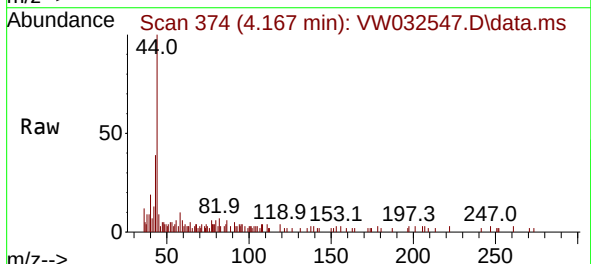
Instrument :
MSVOA_W
ClientSampleId :

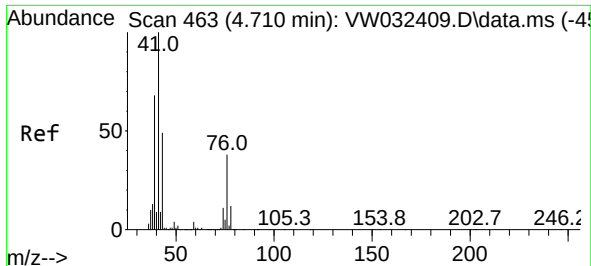
Tgt Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 37.0 56.3 84.5#



#16
Acetone
Concen: 4.743 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 20.0 24.8 37.2#

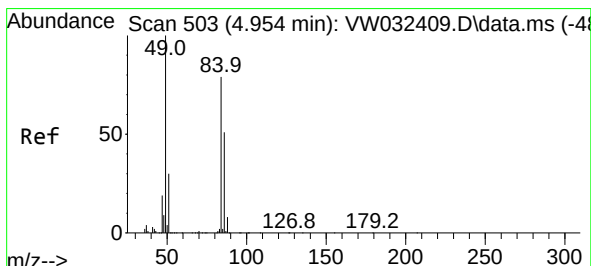
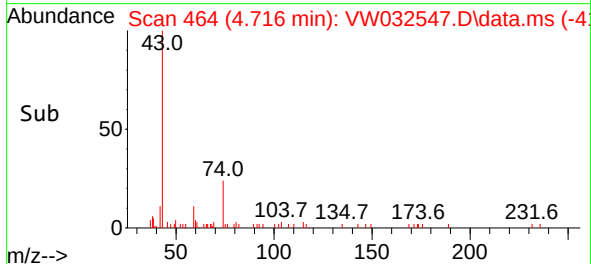
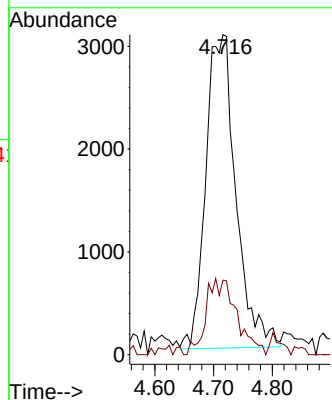
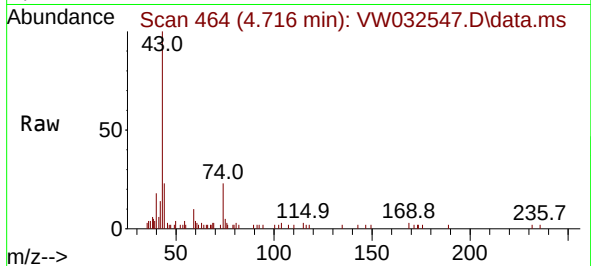




#18
Methyl Acetate
Concen: 5.957 ug/l
RT: 4.716 min Scan# 410
Delta R.T. 0.006 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

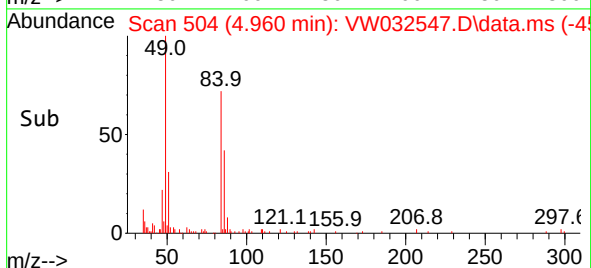
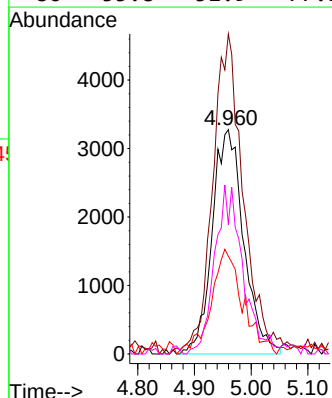
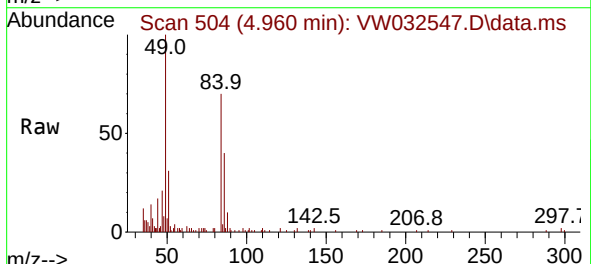
Instrument :
MSVOA_W
ClientSampleId :

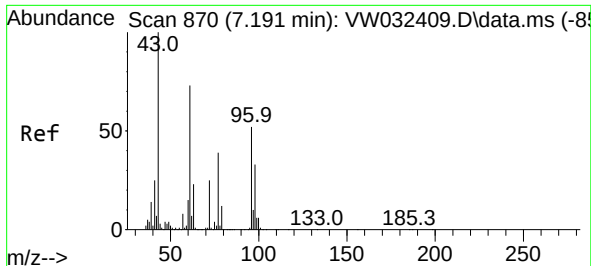
Tgt Ion: 43 Resp: 10887
Ion Ratio Lower Upper
43 100
74 11.4 18.9 28.3#



#20
Methylene Chloride
Concen: 4.777 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 84 Resp: 12607
Ion Ratio Lower Upper
84 100
49 140.8 101.5 152.3
51 42.0 30.6 46.0
86 55.8 51.9 77.9

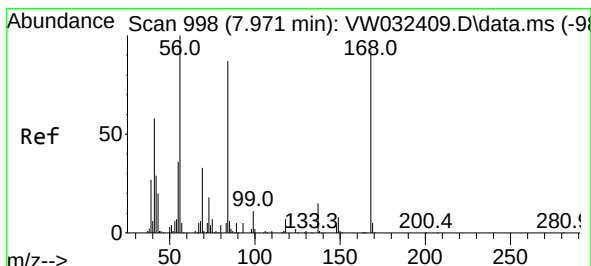
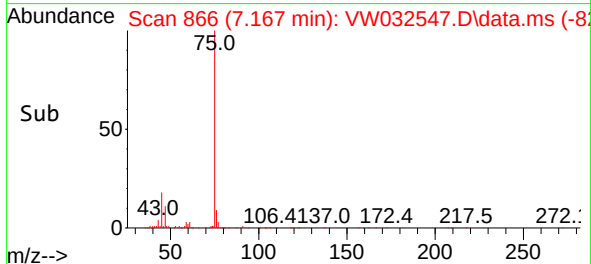
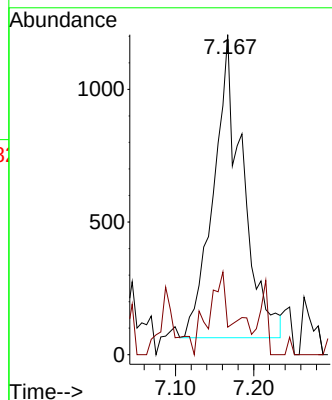
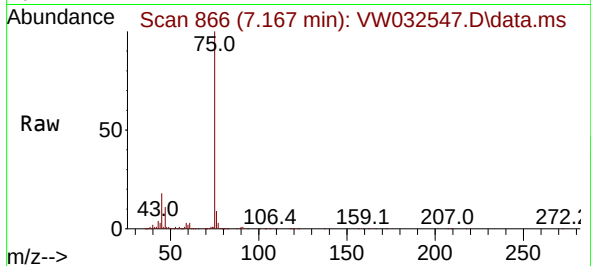




#25
2-Butanone
Concen: 2.718 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

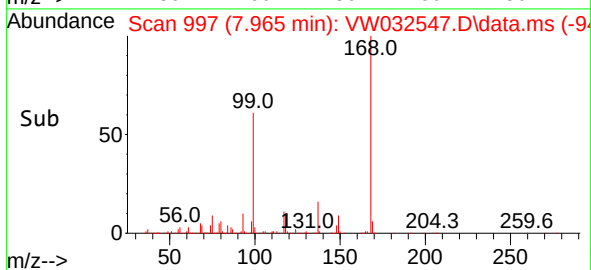
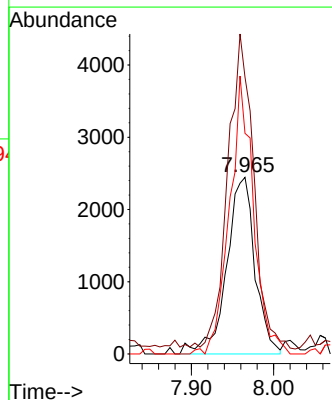
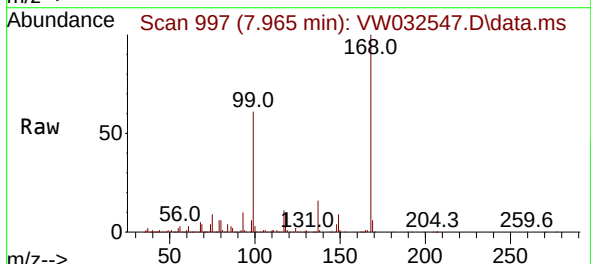
Instrument :
MSVOA_W
ClientSampleId :

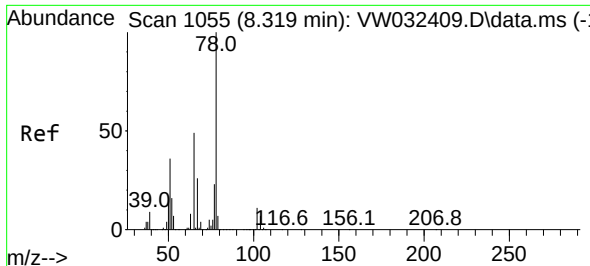
Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
72 9.1 20.0 30.0#



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 56 Resp: 5866
Ion Ratio Lower Upper
56 100
69 152.7 26.5 39.7#
84 124.9 69.6 104.4#

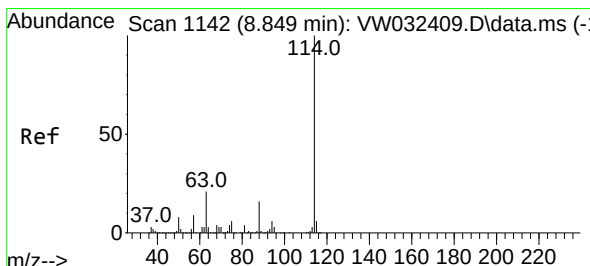
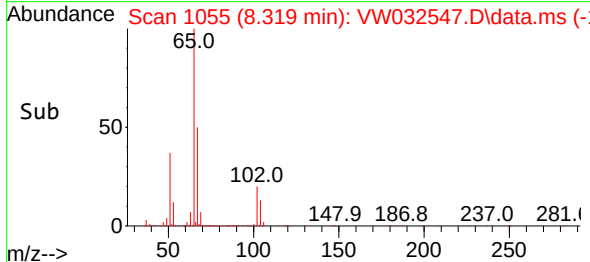
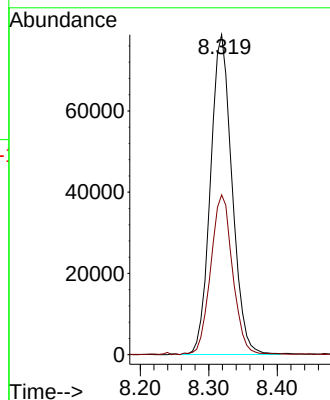
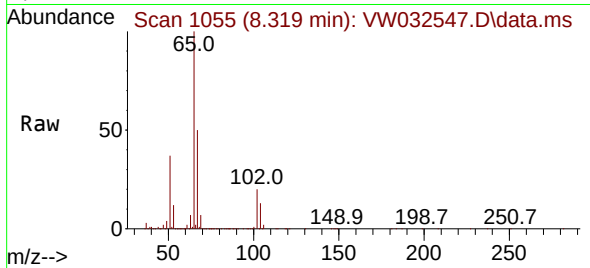




#33
 1,2-Dichloroethane-d4
 Concen: 69.708 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032547.D
 Acq: 26 Nov 2025 16:27

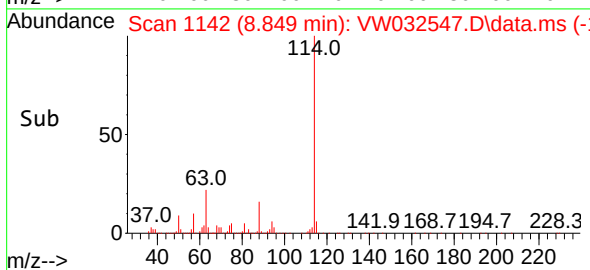
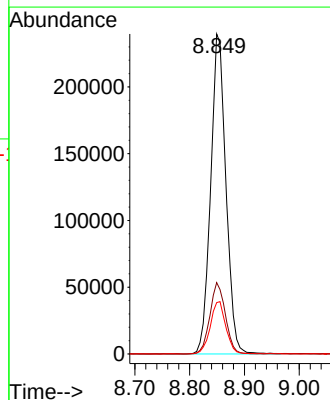
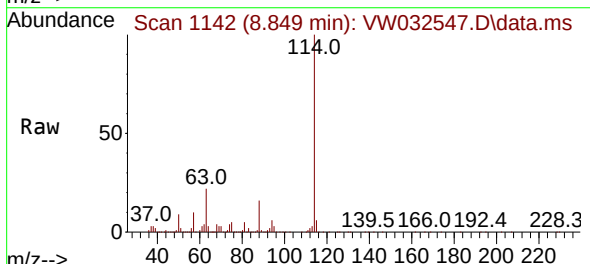
Instrument :
 MSVOA_W
 ClientSampleId :

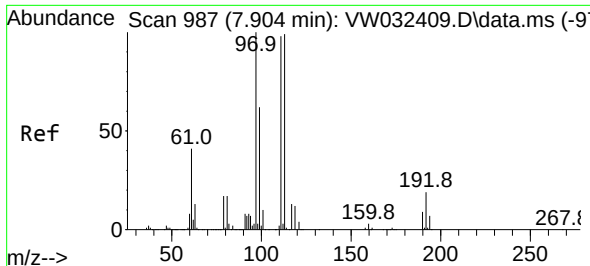
Tgt Ion: 65 Resp: 171946
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032547.D
 Acq: 26 Nov 2025 16:27

Tgt Ion: 114 Resp: 462395
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.8
 88 16.1 0.0 32.6

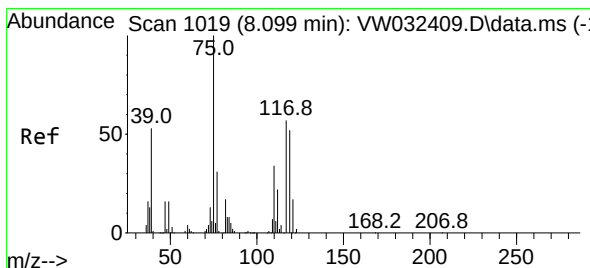
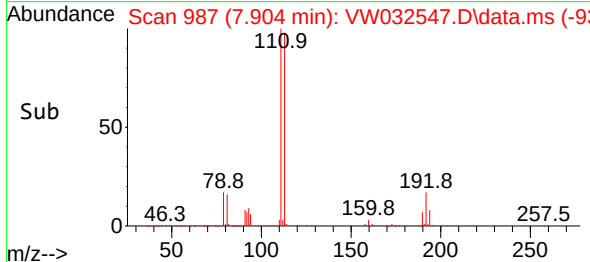
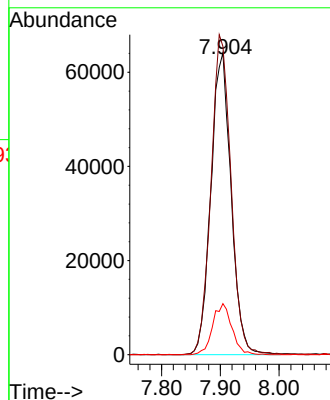
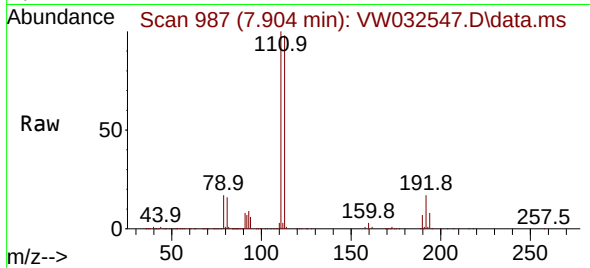




#35
Dibromofluoromethane
Concen: 55.240 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

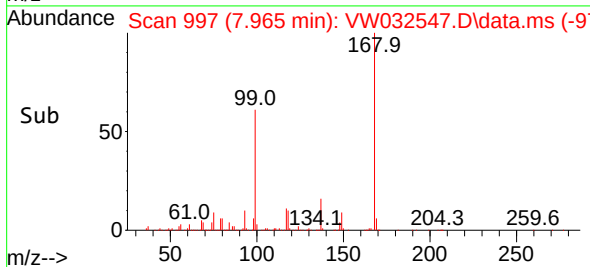
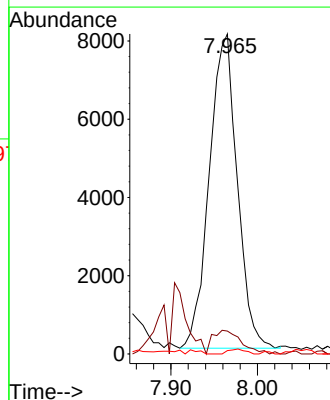
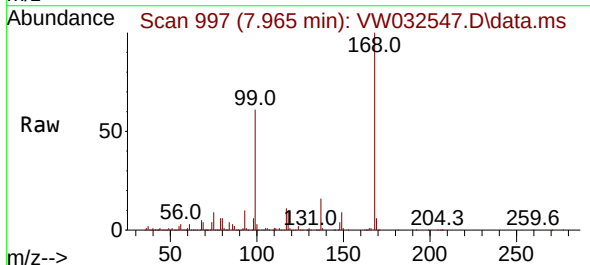
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MSVOA_W
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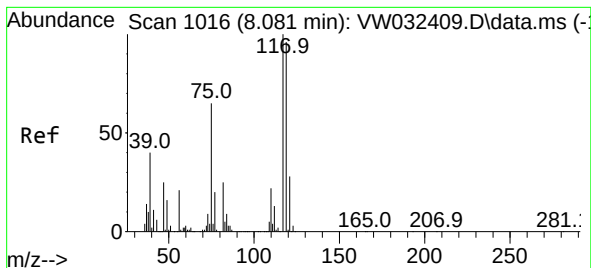
Tgt Ion:113 Resp: 152930
Ion Ratio Lower Upper
113 100
111 104.8 83.1 124.7
192 16.1 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.415 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 75 Resp: 18011
Ion Ratio Lower Upper
75 100
110 7.8 17.2 51.5#
77 0.9 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.064 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

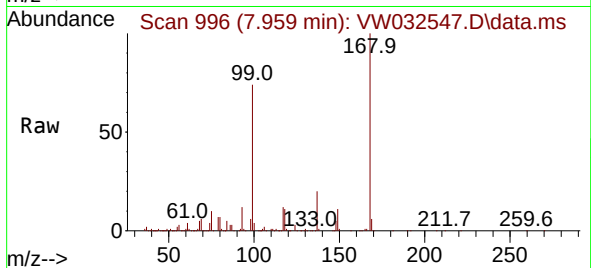
Lab File: VW032547.D

Acq: 26 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :



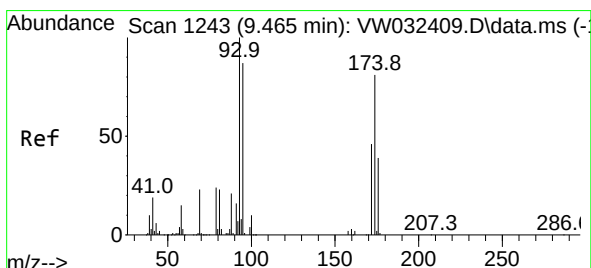
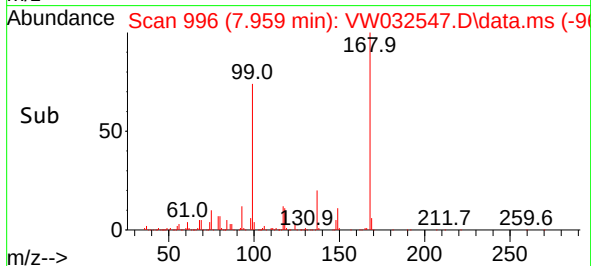
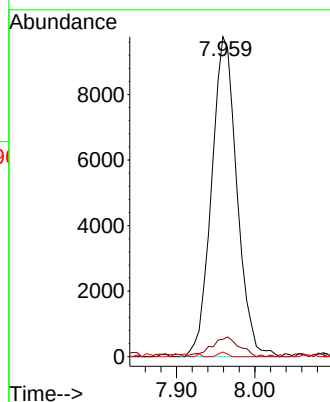
Tgt Ion:117 Resp: 21977

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.4#

121 0.9 22.0 33.0#



#49

1,4-Dioxane

Concen: 3.548 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032547.D

Acq: 26 Nov 2025 16:27

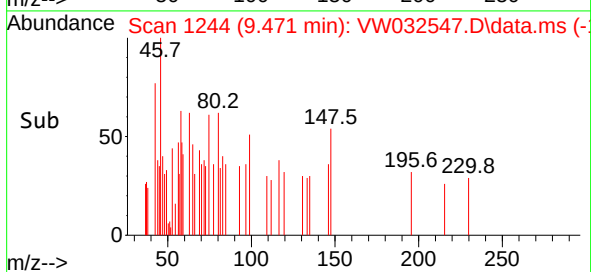
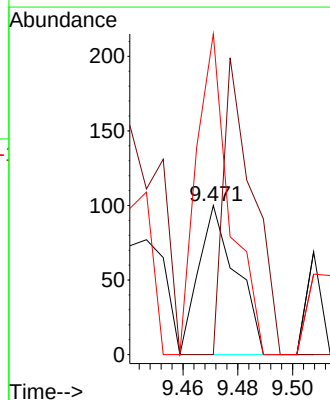
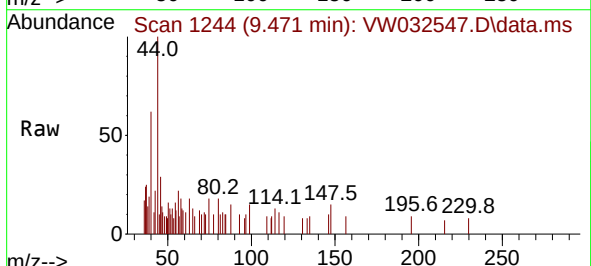
Tgt Ion: 88 Resp: 95

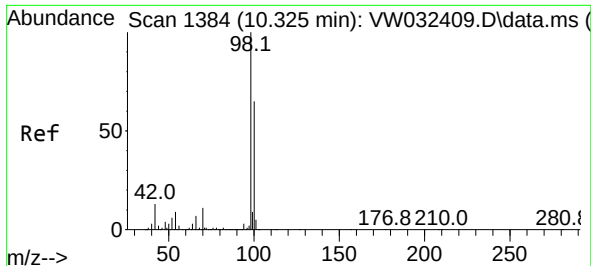
Ion Ratio Lower Upper

88 100

43 156.8 0.0 0.0#

58 193.7 63.0 94.4#

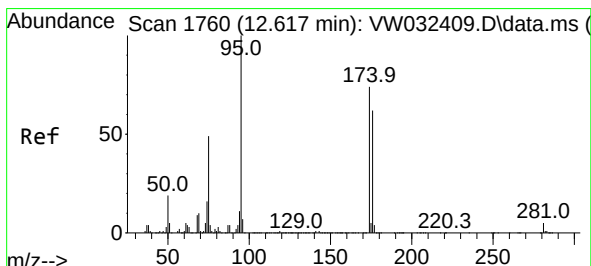
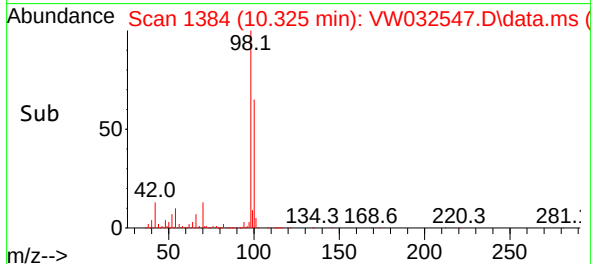
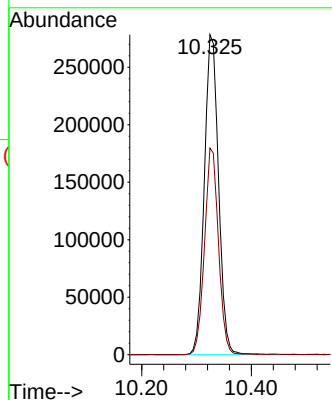
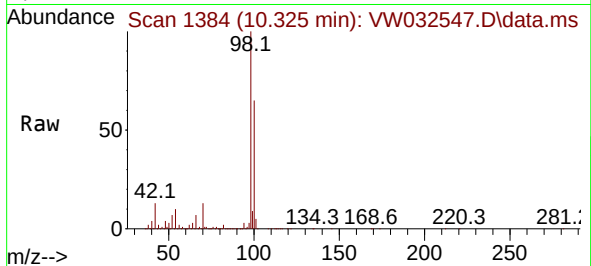




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

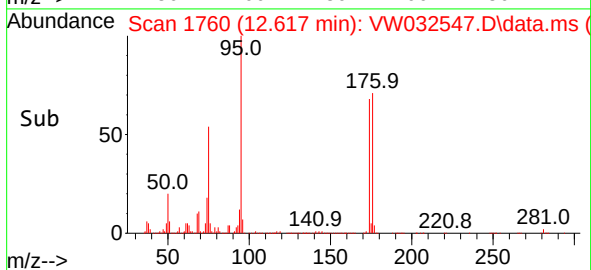
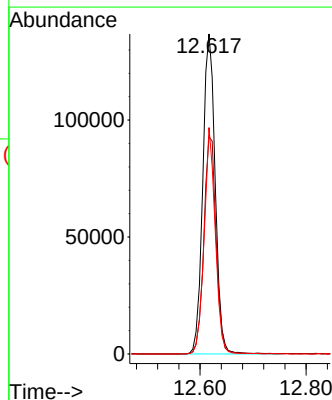
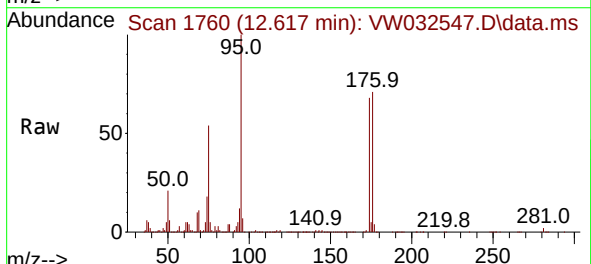
Instrument :
MSVOA_W
ClientSampleId :

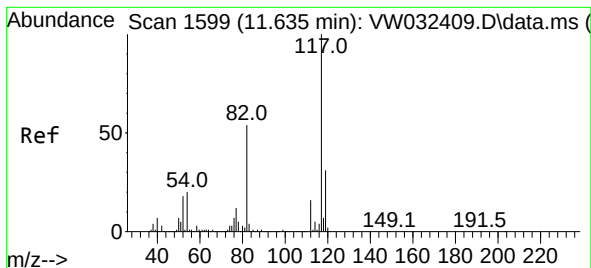
Tgt Ion: 98 Resp: 500524
Ion Ratio Lower Upper
98 100
100 63.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.352 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 95 Resp: 222080
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.4
176 63.4 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032547.D

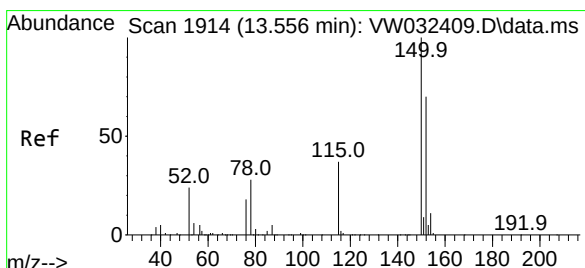
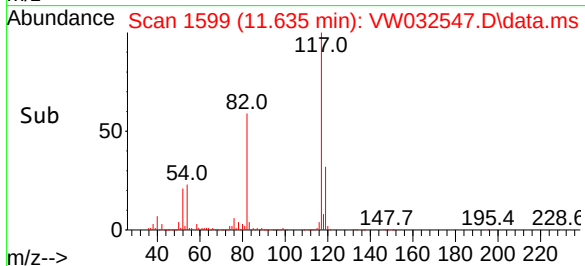
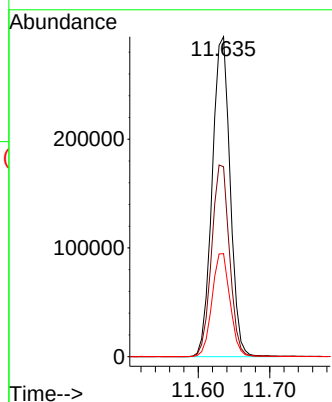
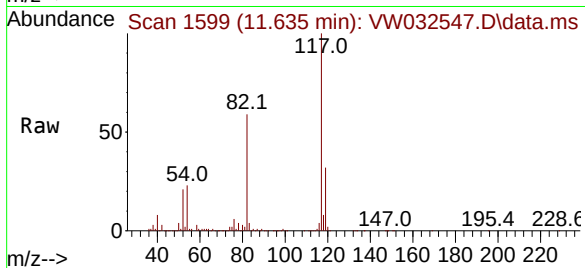
Acq: 26 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:117	Resp:	513156
Ion Ratio	Lower	Upper
117	100	
82	59.4	43.0 64.4
119	32.2	25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

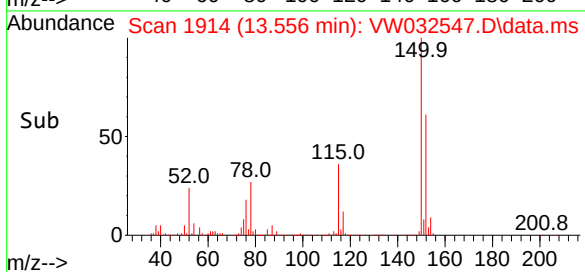
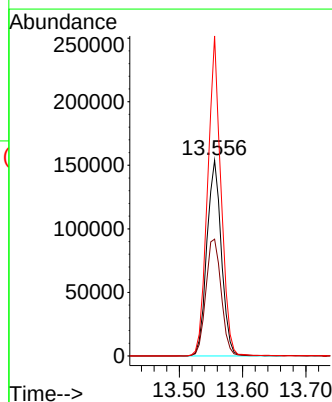
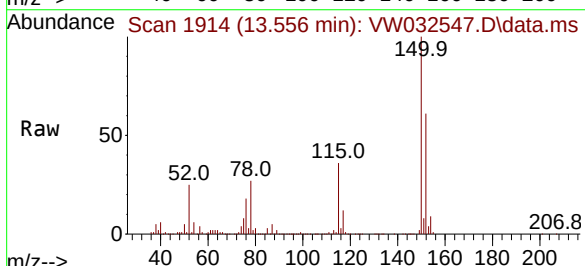
RT: 13.556 min Scan# 1914

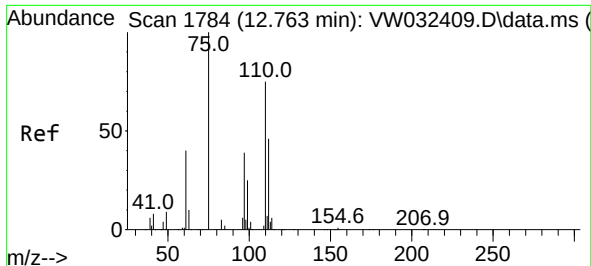
Delta R.T. 0.000 min

Lab File: VW032547.D

Acq: 26 Nov 2025 16:27

Tgt Ion:152	Resp:	246111
Ion Ratio	Lower	Upper
152	100	
115	63.0	32.8 98.3
150	150.8	0.0 356.6

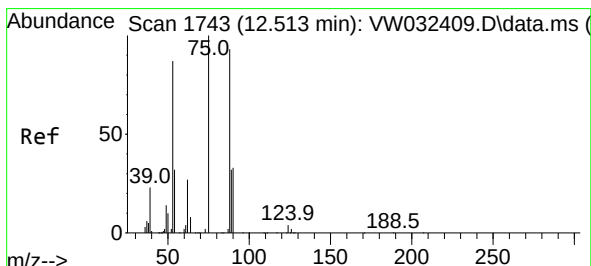
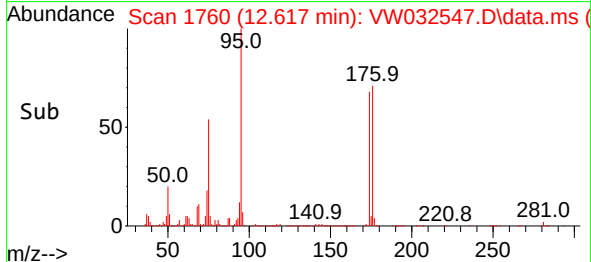
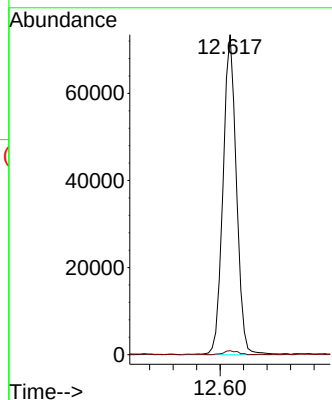
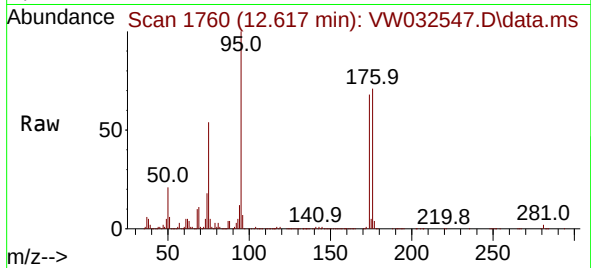




#76
1,2,3-Trichloropropane
Concen: 34.461 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 116293
Ion Ratio Lower Upper
75 100
77 1.4 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.932 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032547.D
Acq: 26 Nov 2025 16:27

Tgt Ion: 75 Resp: 116293
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 35.6 53.4#

