

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032416.D
 Acq On : 11 Nov 2025 09:34
 Operator : SY/MD
 Sample : VW1111SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 12 03:42:58 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)

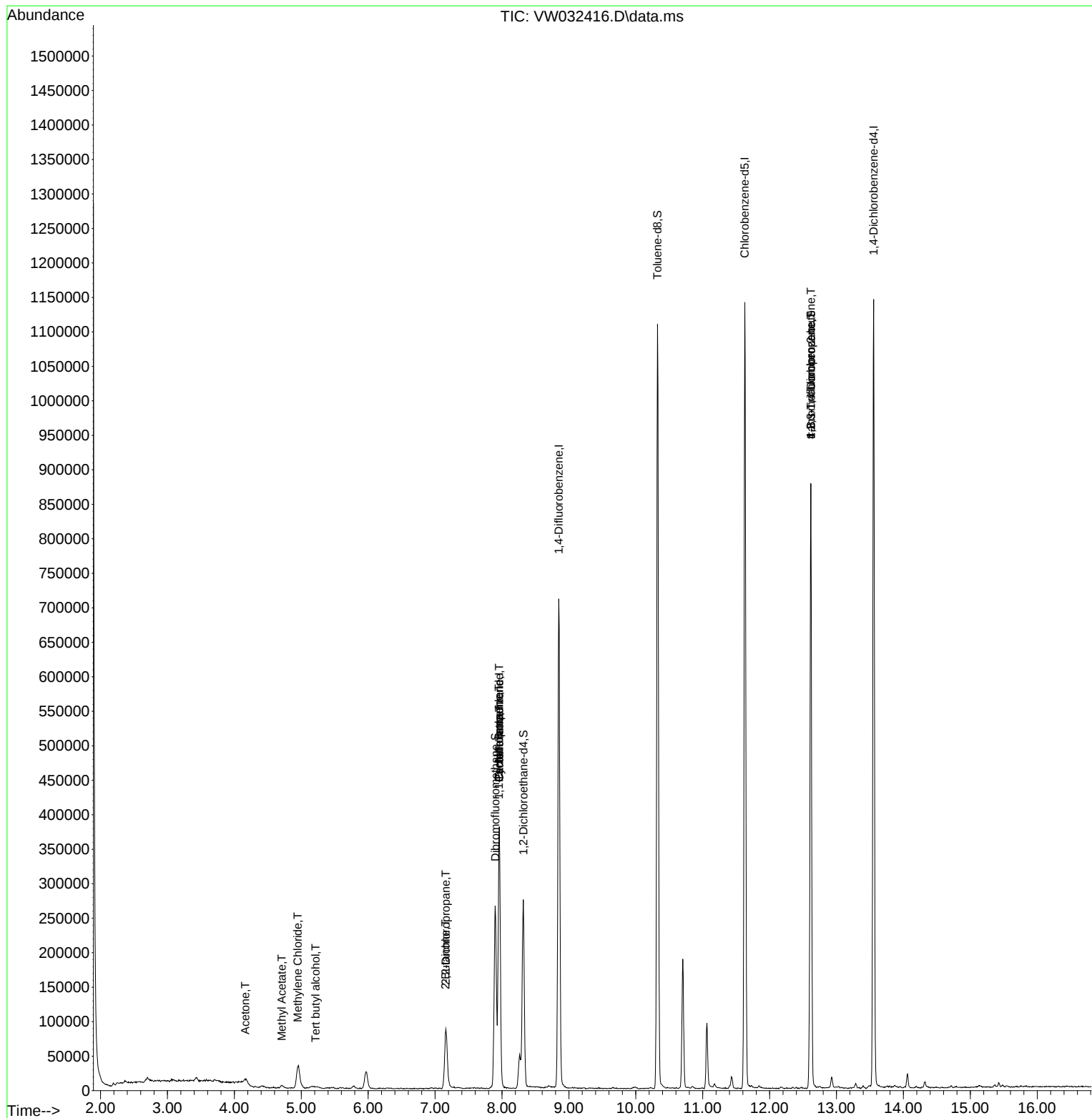
Internal Standards						
1) Pentafluorobenzene	7.959	168	277247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	601287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	633123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	297226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	215257	60.222	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.440%		
35) Dibromofluoromethane	7.898	113	198257	55.071	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.140%		
50) Toluene-d8	10.325	98	733818	53.133	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.260%		
62) 4-Bromofluorobenzene	12.617	95	298731	57.258	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 114.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	1282	4.148	ug/l #	82
16) Acetone	4.161	43	10233	9.569	ug/l	89
18) Methyl Acetate	4.710	43	7558	2.854	ug/l #	78
20) Methylene Chloride	4.948	84	27458	7.180	ug/l	96
25) 2-Butanone	7.154	43	4750	3.015	ug/l	98
26) 2,2-Dichloropropane	7.161	77	6285	1.764	ug/l #	51
31) Cyclohexane	7.959	56	6348	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	23843	4.495	ug/l #	50
38) Carbon Tetrachloride	7.959	117	28059	5.953	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	148832	36.519	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	148832	83.645	ug/l #	11

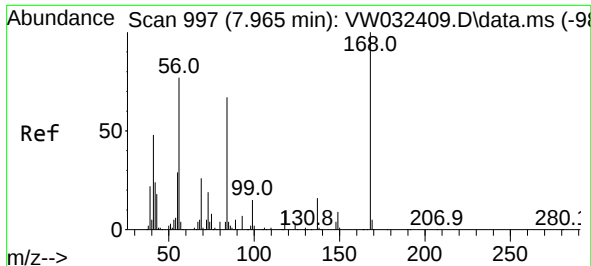
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 12 03:42:58 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

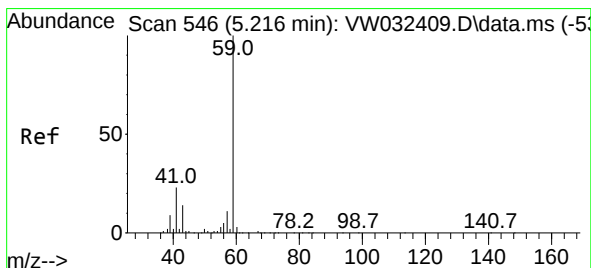
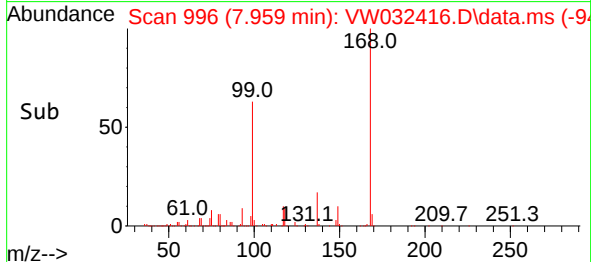
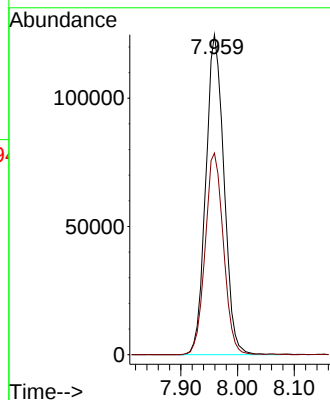
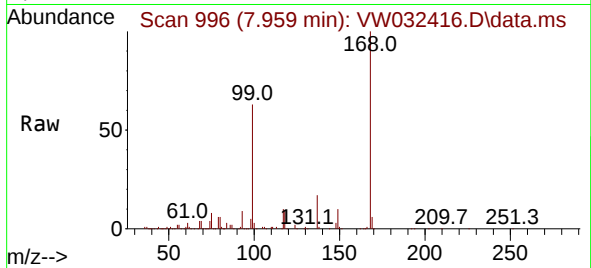




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

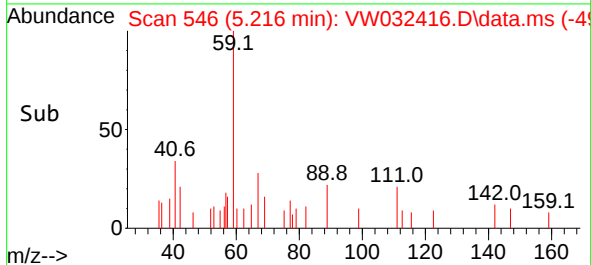
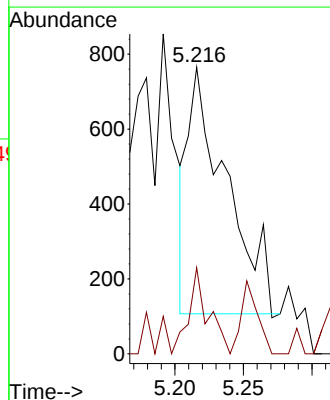
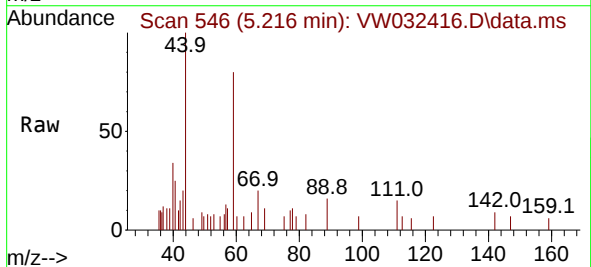
Instrument :
MSVOA_W
ClientSampleId :

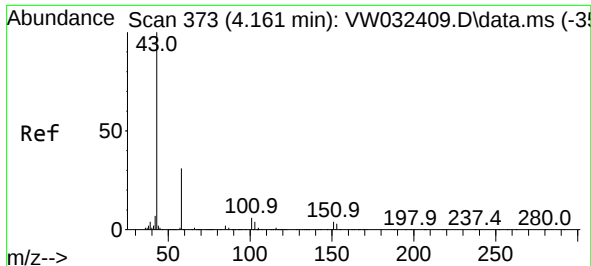
Tgt Ion:168 Resp: 277247
Ion Ratio Lower Upper
168 100
99 63.0 45.4 68.2



#11
Tert butyl alcohol
Concen: 4.148 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 59 Resp: 1282
Ion Ratio Lower Upper
59 100
57 17.6 8.6 12.8#

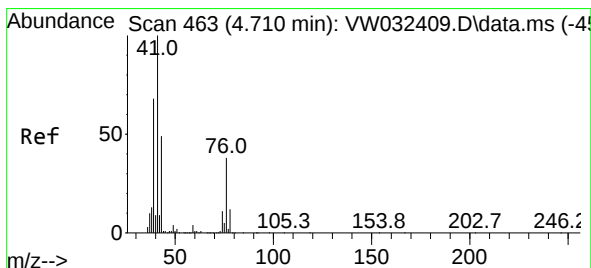
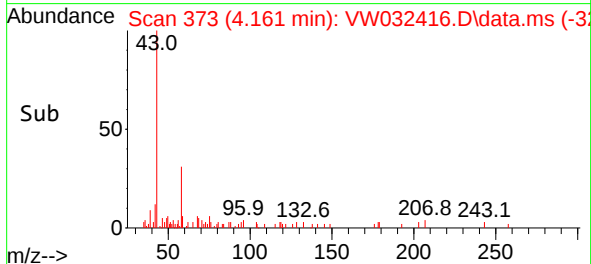
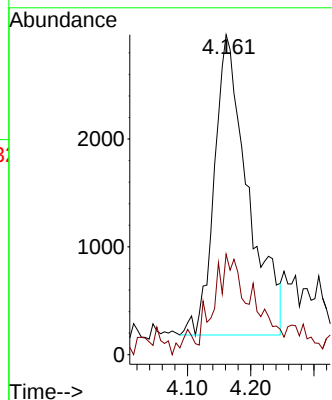
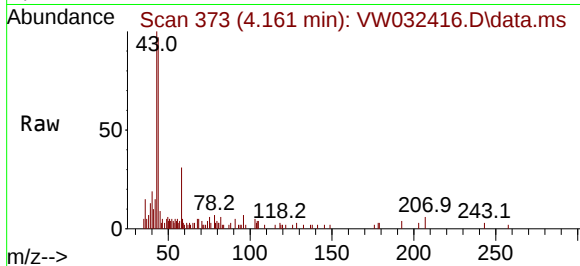




#16
Acetone
Concen: 9.569 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

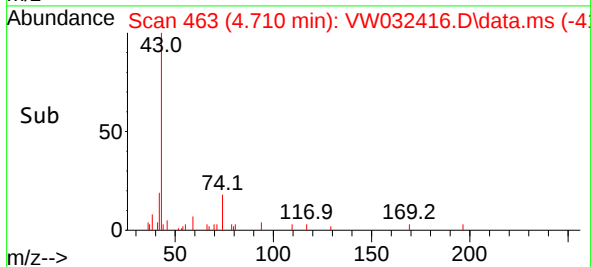
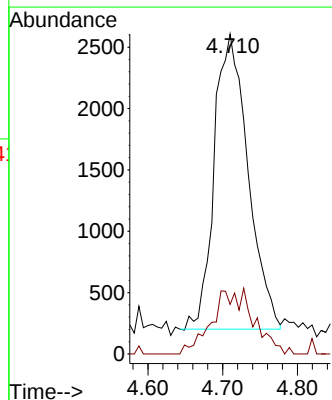
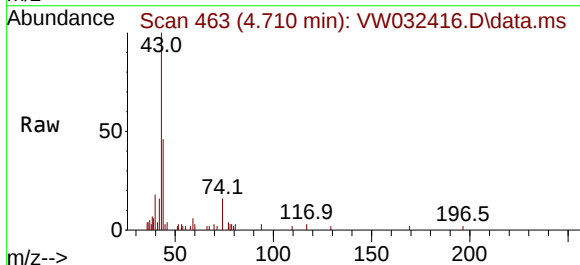
Instrument :
MSVOA_W
ClientSampleId :

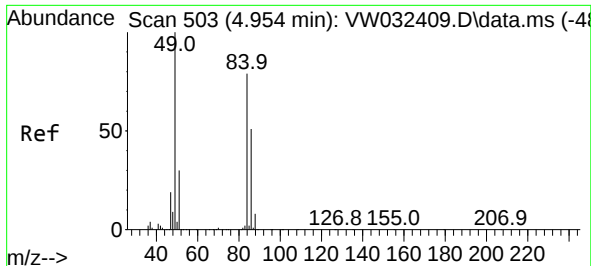
Tgt Ion: 43 Resp: 10233
Ion Ratio Lower Upper
43 100
58 36.8 24.8 37.2



#18
Methyl Acetate
Concen: 2.854 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

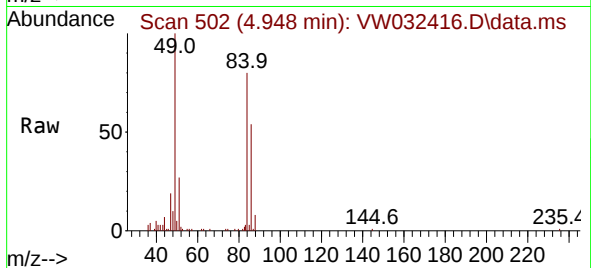
Tgt Ion: 43 Resp: 7558
Ion Ratio Lower Upper
43 100
74 13.0 18.9 28.3#



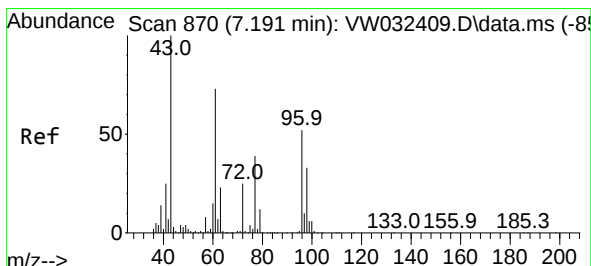
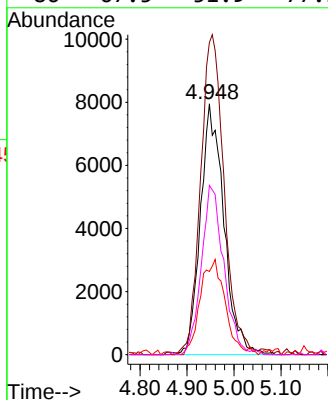
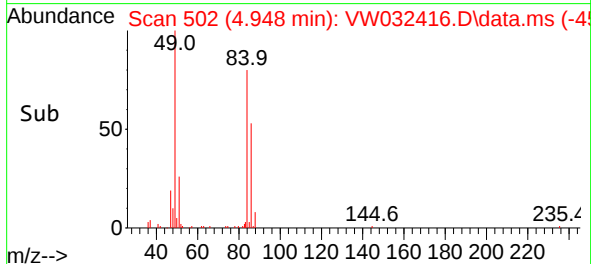


#20
Methylene Chloride
Concen: 7.180 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :

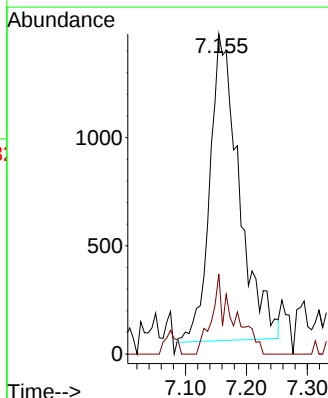
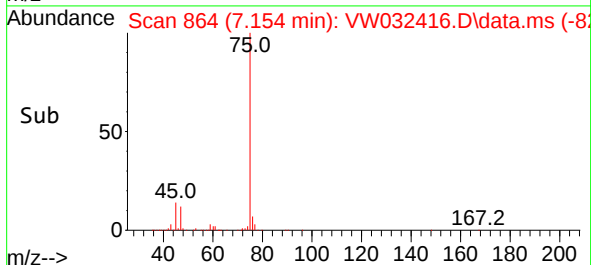
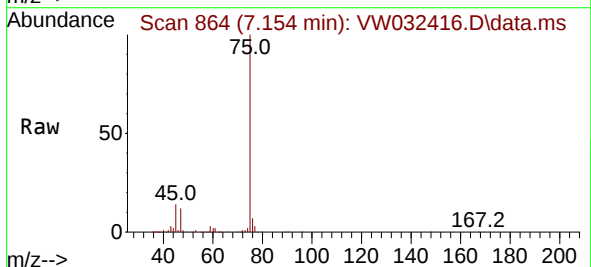


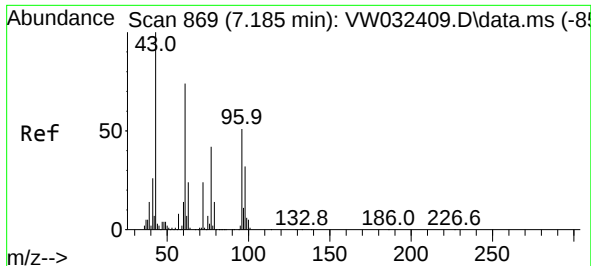
Tgt Ion:	84	Resp:	27458
Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.5	152.3
51	32.5	30.6	46.0
86	67.5	51.9	77.9



#25
2-Butanone
Concen: 3.015 ug/l
RT: 7.154 min Scan# 864
Delta R.T. -0.036 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion:	43	Resp:	4750
Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.0	30.0

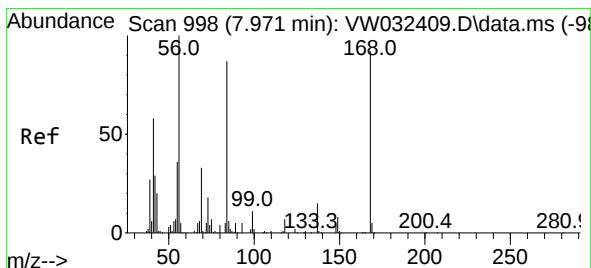
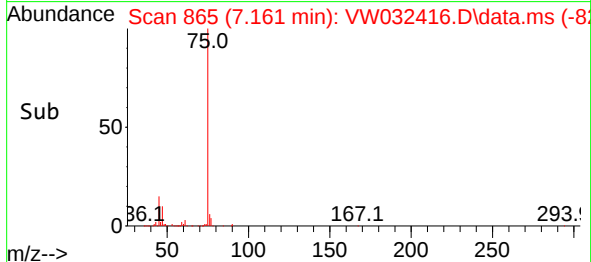
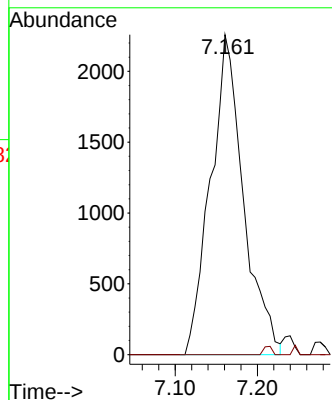
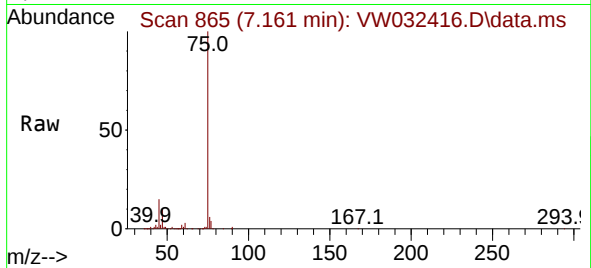




#26
2,2-Dichloropropane
Concen: 1.764 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.024 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

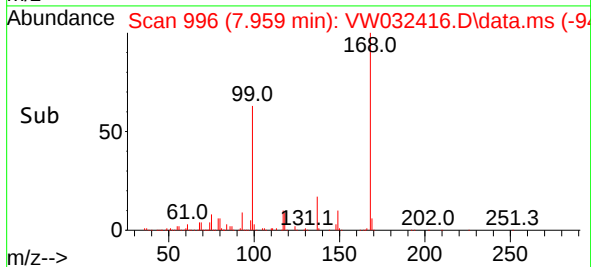
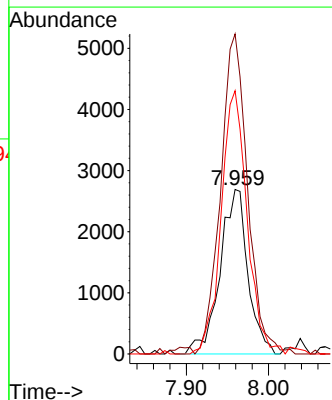
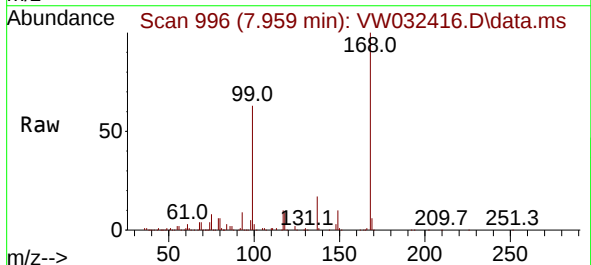
Instrument :
MSVOA_W
ClientSampleId :

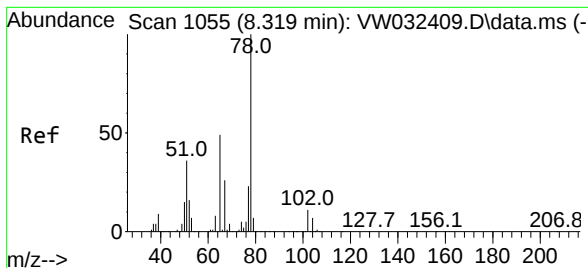
Tgt Ion: 77 Resp: 6285
Ion Ratio Lower Upper
77 100
97 0.0 12.3 36.8#



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 56 Resp: 6348
Ion Ratio Lower Upper
56 100
69 192.1 26.5 39.7#
84 160.0 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 60.222 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032416.D

Acq: 11 Nov 2025 09:34

Instrument :

MSVOA_W

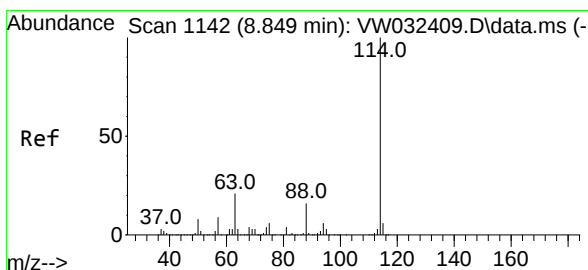
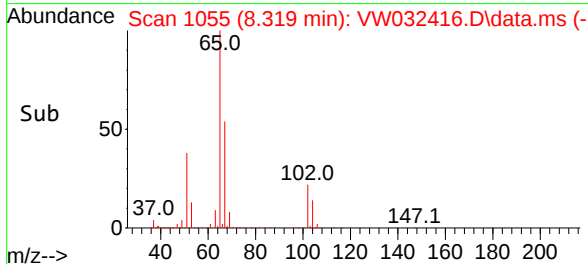
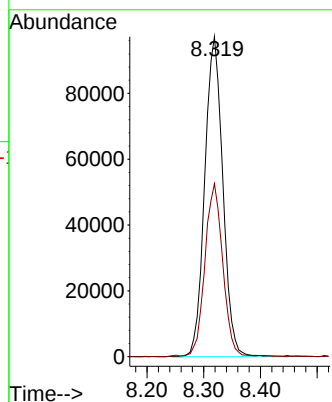
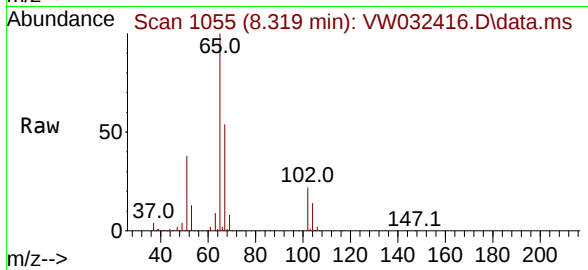
ClientSampleId :

Tgt Ion: 65 Resp: 215257

Ion Ratio Lower Upper

65 100

67 52.5 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: VW032416.D

Acq: 11 Nov 2025 09:34

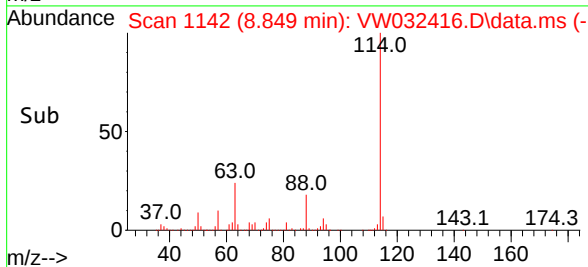
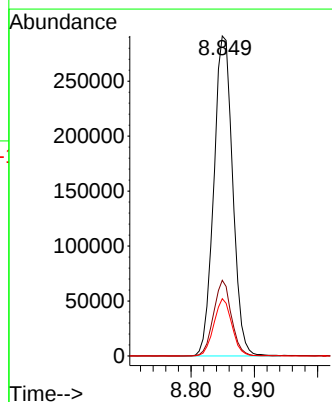
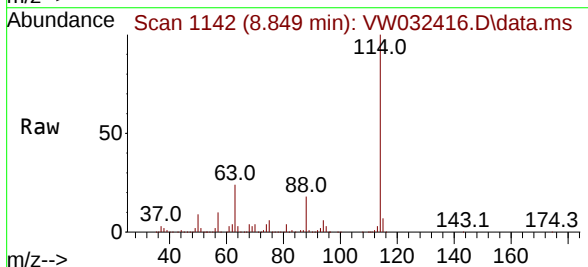
Tgt Ion: 114 Resp: 601287

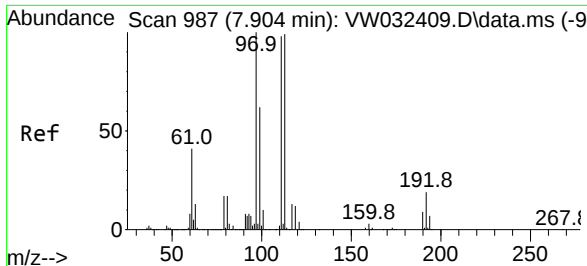
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 17.9 0.0 32.6

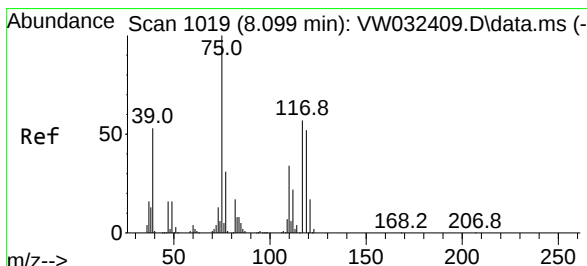
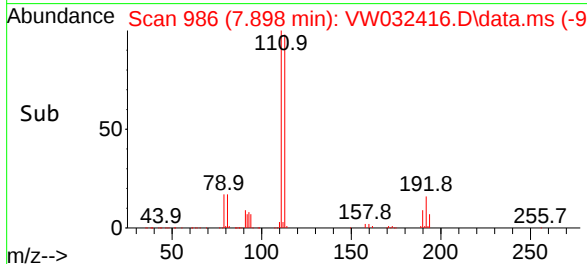
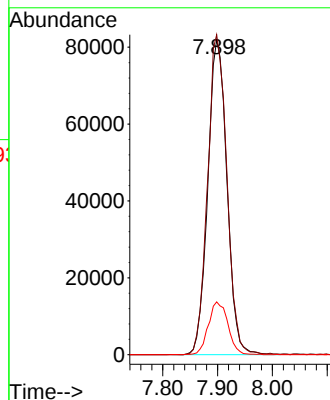
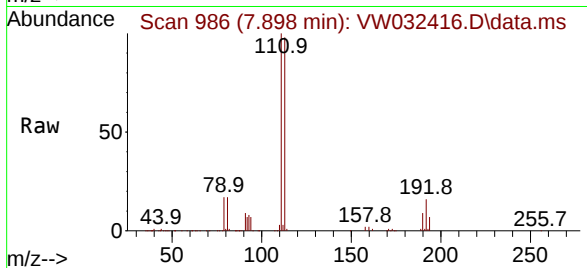




#35
 Dibromofluoromethane
 Concen: 55.071 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032416.D
 Acq: 11 Nov 2025 09:34

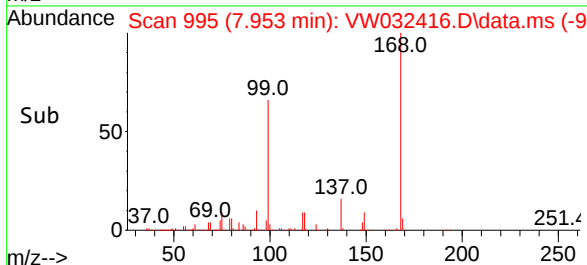
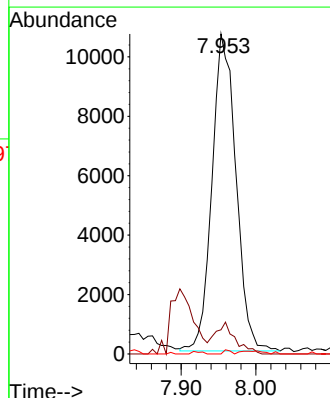
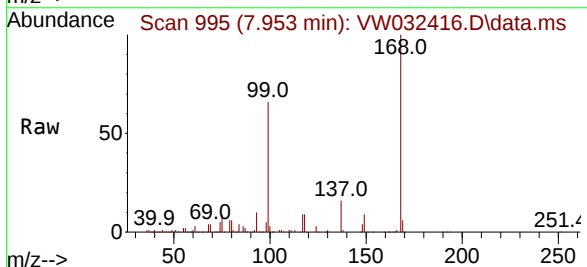
Instrument :
 MSVOA_W
 ClientSampleId :

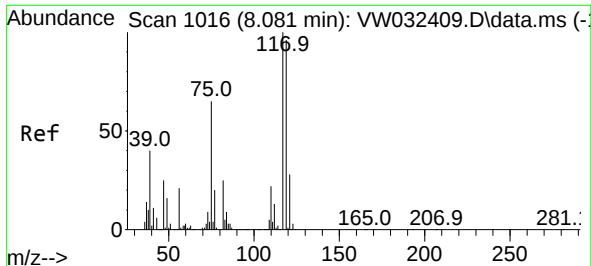
Tgt Ion:113 Resp: 198257
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.1 124.7
 192 17.1 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032416.D
 Acq: 11 Nov 2025 09:34

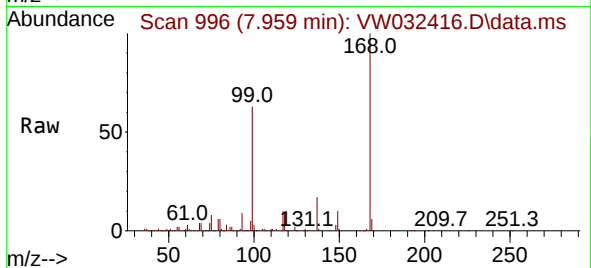
Tgt Ion: 75 Resp: 23843
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.5#
 77 0.4 24.5 36.7#



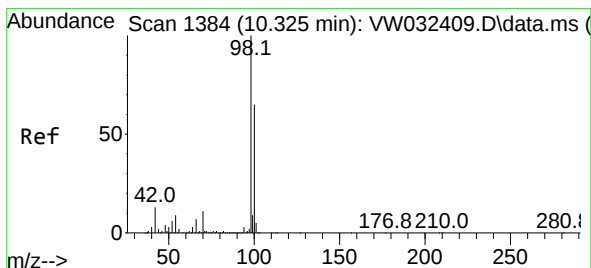
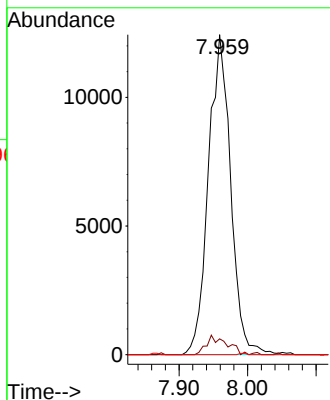
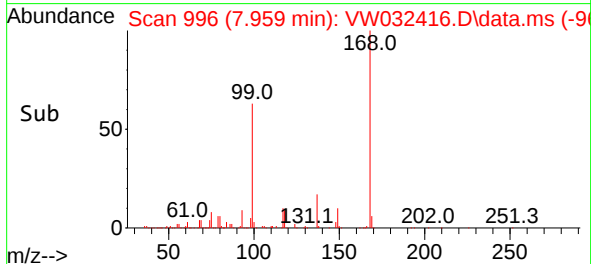


#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :

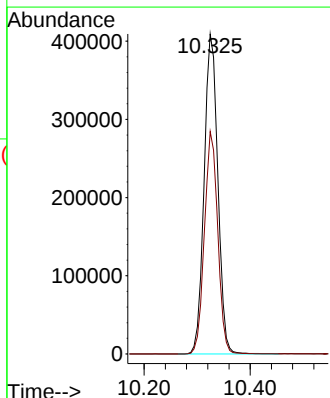
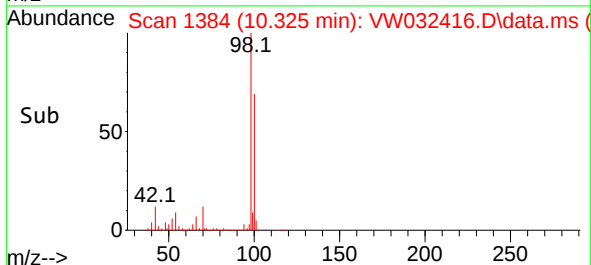
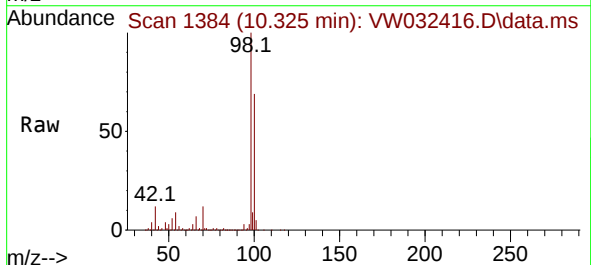


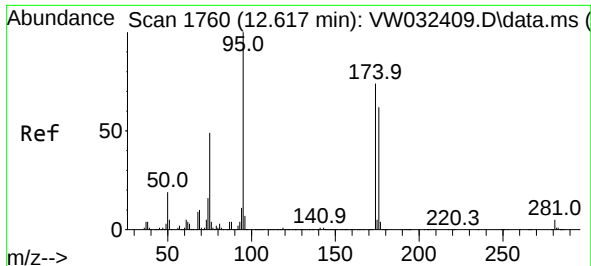
Tgt Ion:117 Resp: 28059
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.4#
121 0.0 22.0 33.0#



#50
Toluene-d8
Concen: 53.133 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 98 Resp: 733818
Ion Ratio Lower Upper
98 100
100 67.6 53.3 79.9

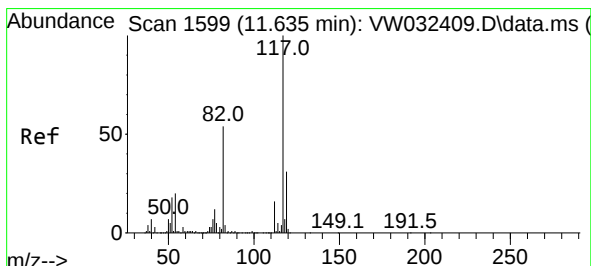
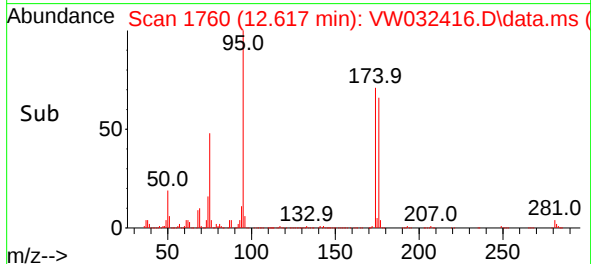
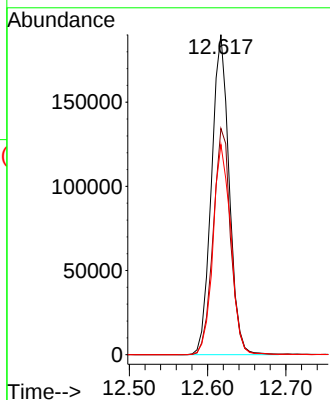
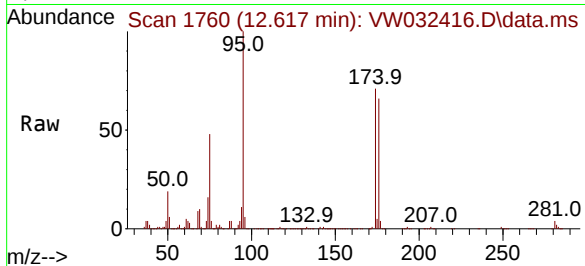




#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

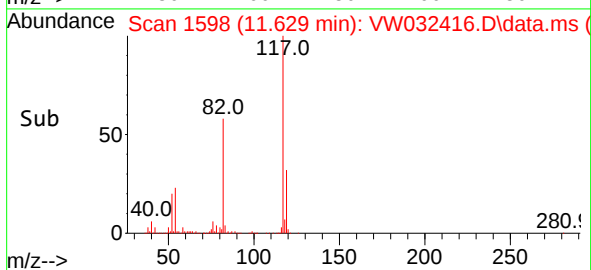
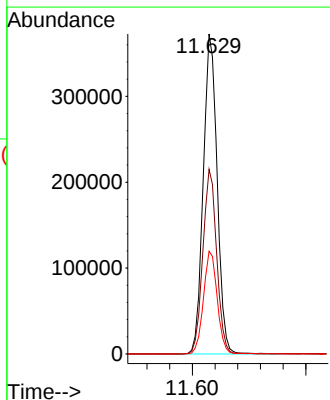
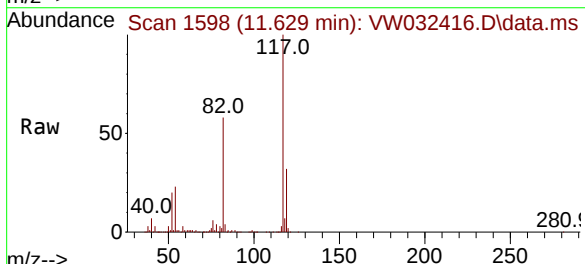
Instrument :
MSVOA_W
ClientSampleId :

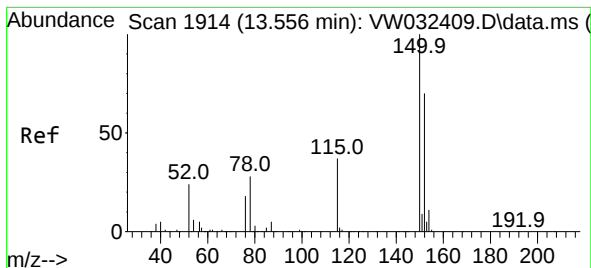
Tgt Ion: 95 Resp: 298731
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.4
176 66.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 117 Resp: 633123
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 32.1 25.0 37.6

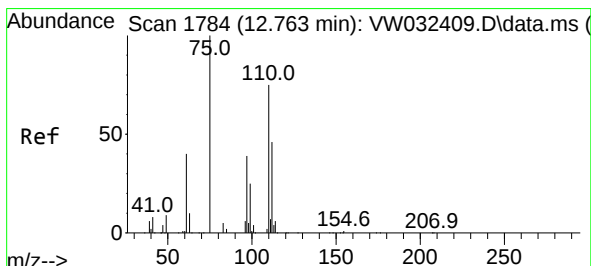
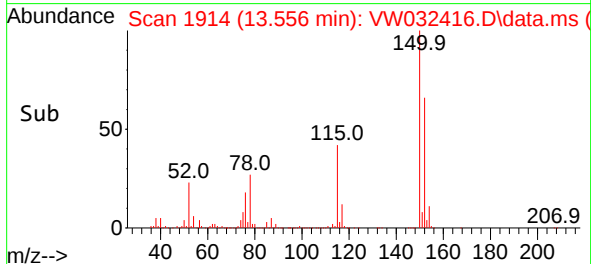
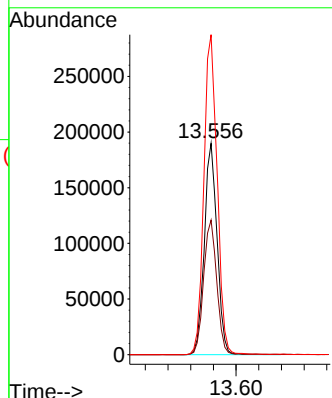
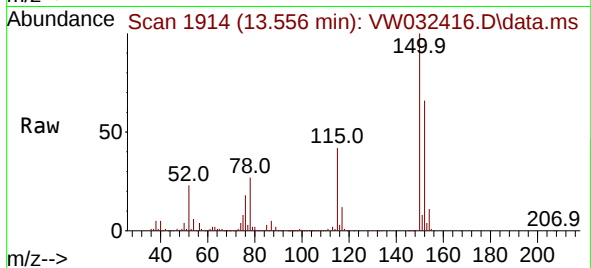




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032416.D
 Acq: 11 Nov 2025 09:34

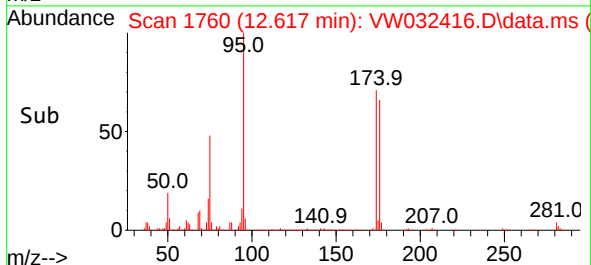
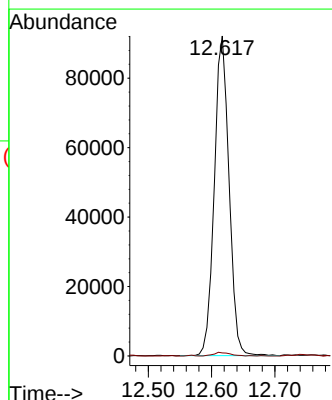
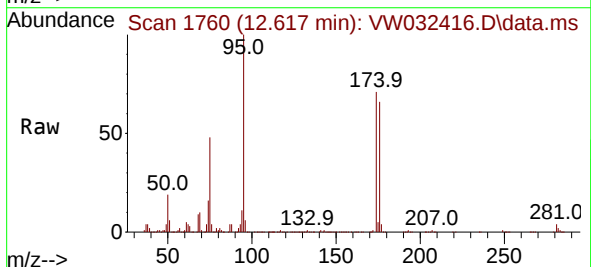
Instrument :
 MSVOA_W
 ClientSampleId :

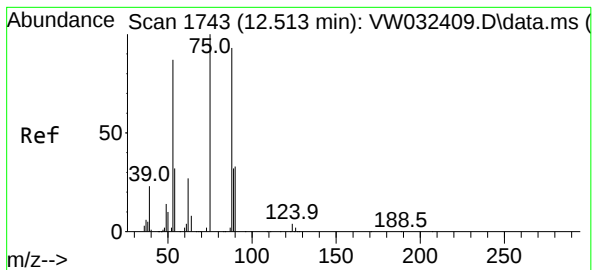
Tgt Ion:152 Resp: 297226
 Ion Ratio Lower Upper
 152 100
 115 65.4 32.8 98.3
 150 157.0 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 36.519 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032416.D
 Acq: 11 Nov 2025 09:34

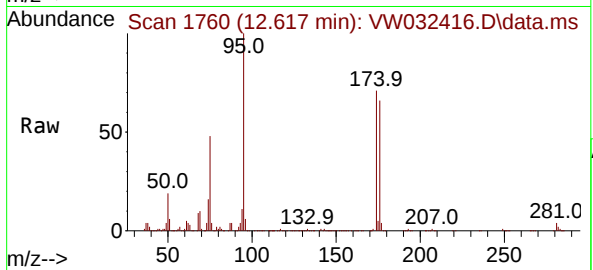
Tgt Ion: 75 Resp: 148832
 Ion Ratio Lower Upper
 75 100
 77 1.3 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.645 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 148832
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 35.6 53.4#

