

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032498.D
 Acq On : 19 Nov 2025 13:36
 Operator : SY/MD
 Sample : Q3661-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOCRE

Quant Time: Nov 20 01:18:20 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)

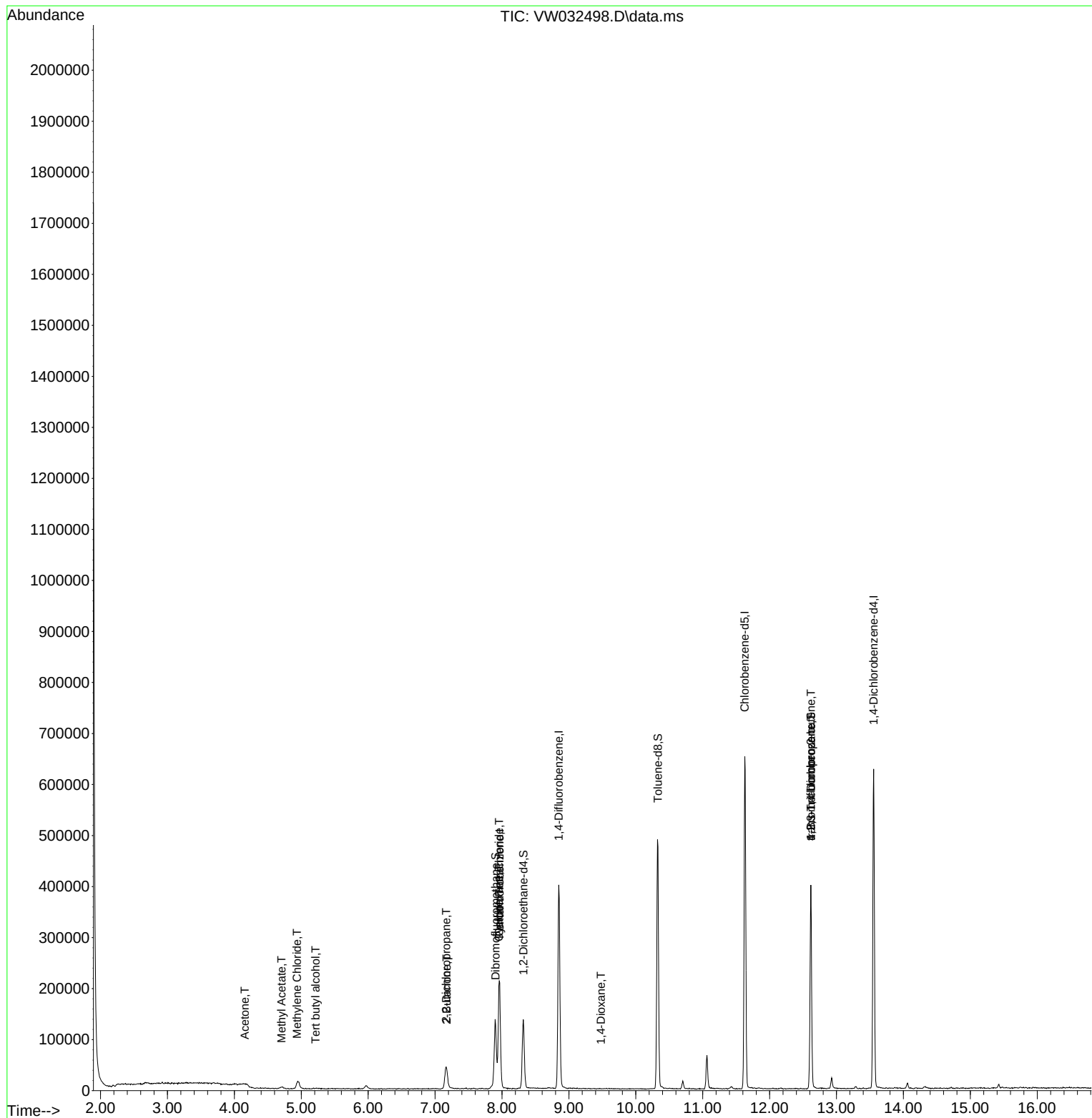
Internal Standards						
1) Pentafluorobenzene	7.965	168	150105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	333057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	362725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107350	55.472	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 110.940%	
35) Dibromofluoromethane	7.904	113	96628	48.457	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 96.920%	
50) Toluene-d8	10.331	98	326263	42.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 85.300%	
62) 4-Bromofluorobenzene	12.617	95	140963	48.778	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 97.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	830	4.960	ug/l #	72
16) Acetone	4.155	43	2423	4.185	ug/l	93
18) Methyl Acetate	4.704	43	7676	5.354	ug/l	96
20) Methylene Chloride	4.935	84	5541	2.676	ug/l	86
25) 2-Butanone	7.173	43	2511	2.944	ug/l #	64
26) 2,2-Dichloropropane	7.167	77	3414	1.770	ug/l #	51
31) Cyclohexane	7.953	56	4008	1.252	ug/l #	1
38) Carbon Tetrachloride	7.959	117	16681	6.390	ug/l #	18
49) 1,4-Dioxane	9.477	88	62	3.215	ug/l #	55
76) 1,2,3-Trichloropropane	12.617	75	68801	31.528	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	68801	72.214	ug/l #	11

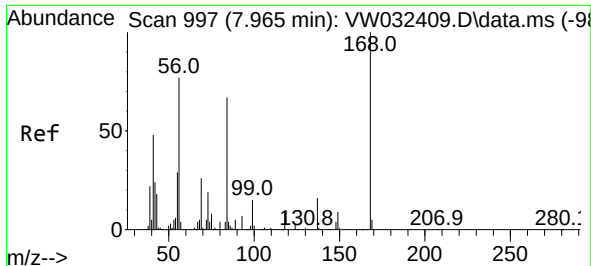
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032498.D
Acq On : 19 Nov 2025 13:36
Operator : SY/MD
Sample : Q3661-02
Misc : 5.00g/5mL/MSVOA_W/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VOCRE

Quant Time: Nov 20 01:18:20 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

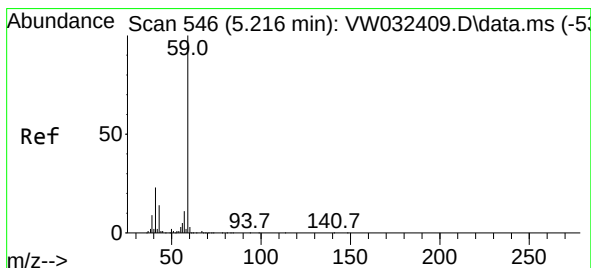
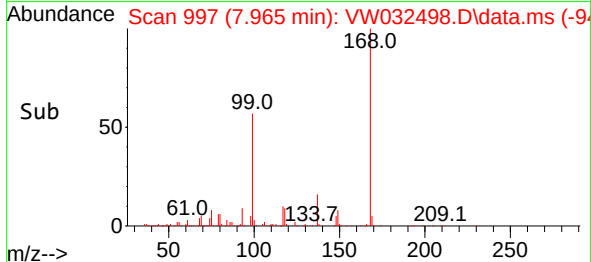
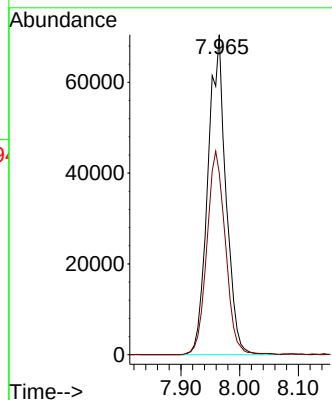
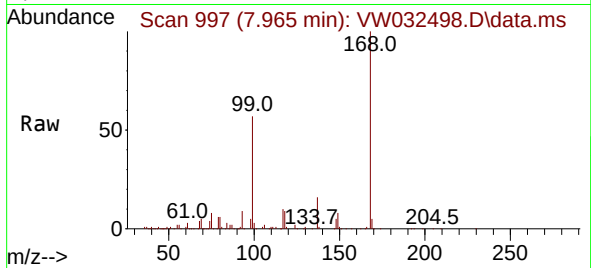




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

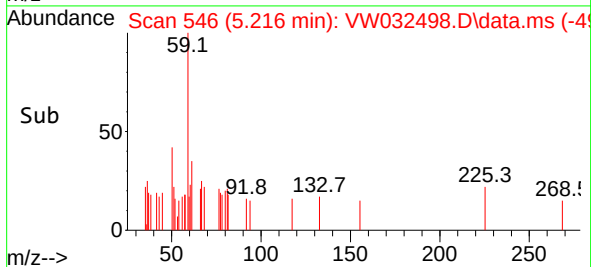
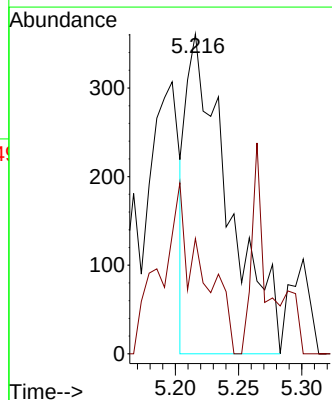
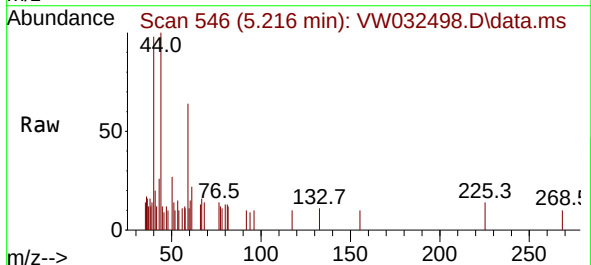
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

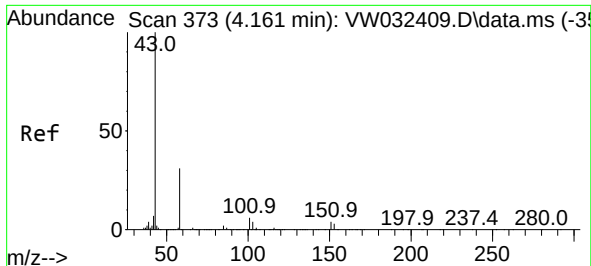
Tgt Ion:168 Resp: 150105
Ion Ratio Lower Upper
168 100
99 56.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 4.960 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 59 Resp: 830
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

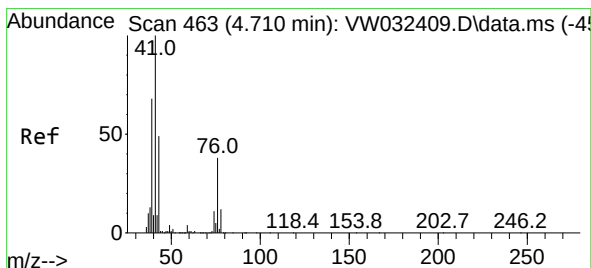
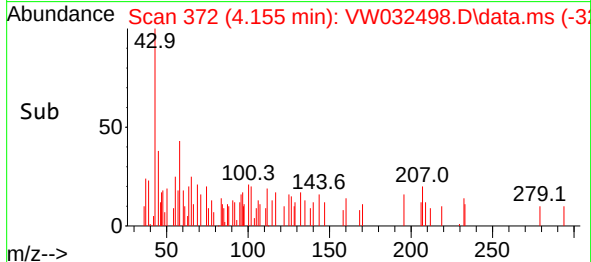
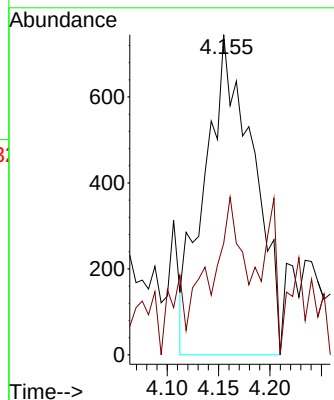
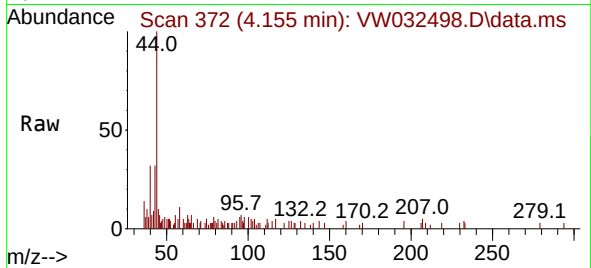




#16
Acetone
Concen: 4.185 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

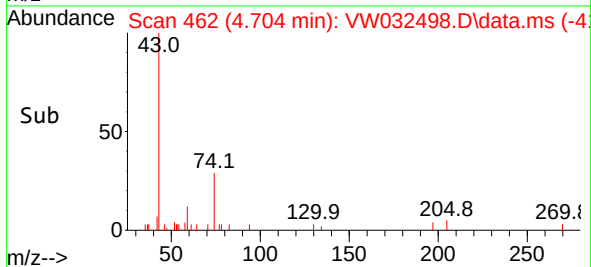
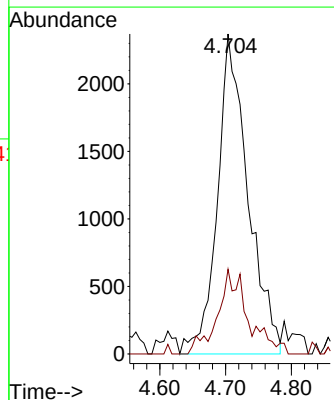
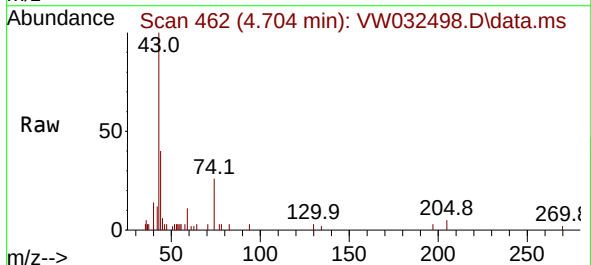
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

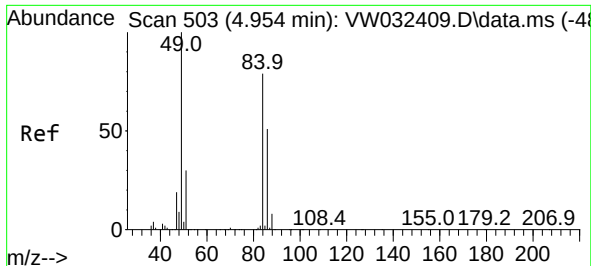
Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
58 34.9 24.8 37.2



#18
Methyl Acetate
Concen: 5.354 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 43 Resp: 7676
Ion Ratio Lower Upper
43 100
74 21.6 18.9 28.3

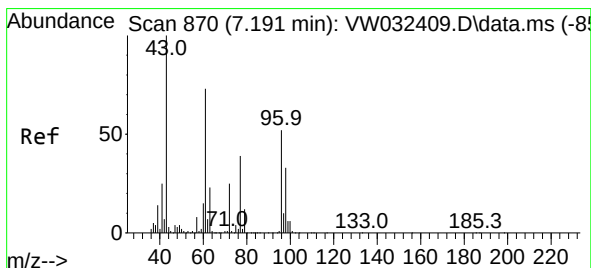
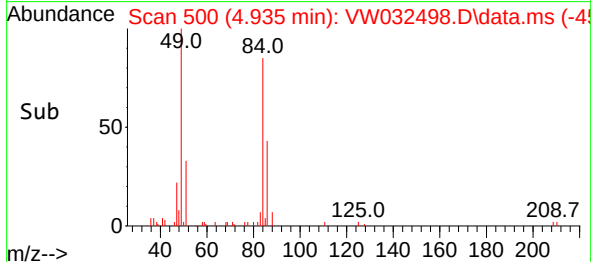
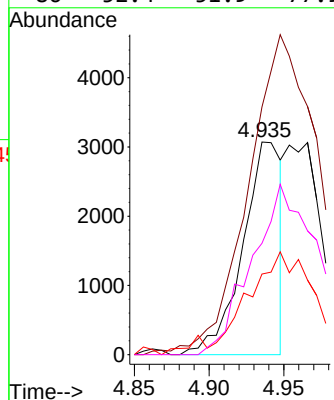
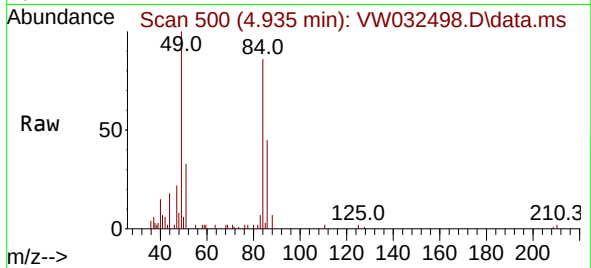




#20
Methylene Chloride
Concen: 2.676 ug/l
RT: 4.935 min Scan# 503
Delta R.T. -0.018 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

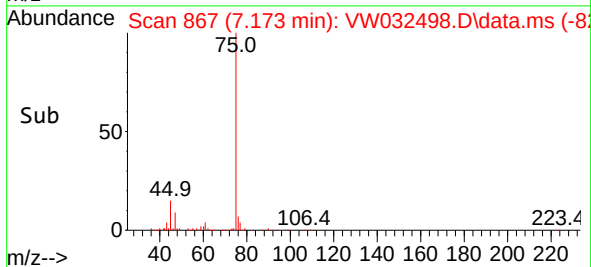
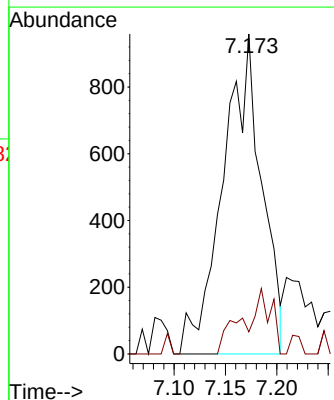
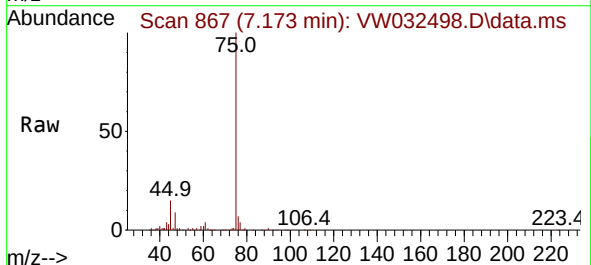
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

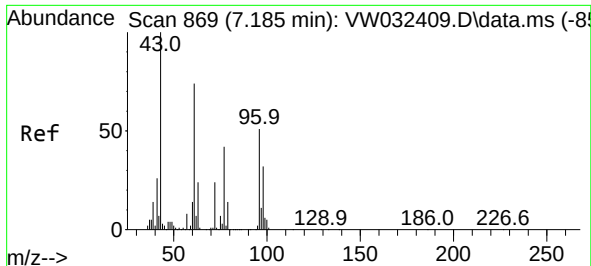
Tgt Ion:	84	Resp:	5541
Ion	Ratio	Lower	Upper
84	100		
49	109.2	101.5	152.3
51	35.0	30.6	46.0
86	52.4	51.9	77.9



#25
2-Butanone
Concen: 2.944 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion:	43	Resp:	2511
Ion	Ratio	Lower	Upper
43	100		
72	6.9	20.0	30.0

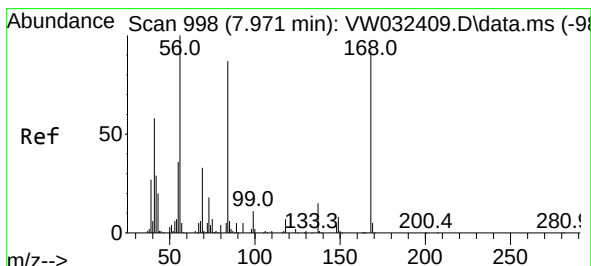
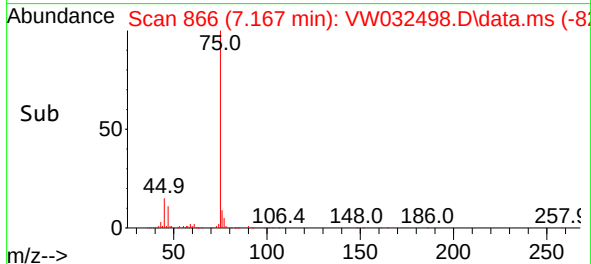
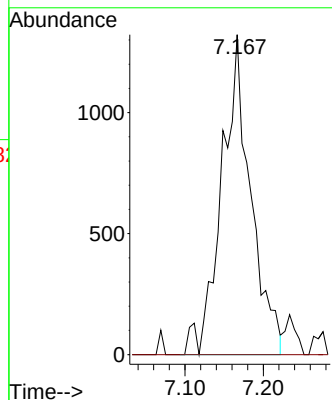
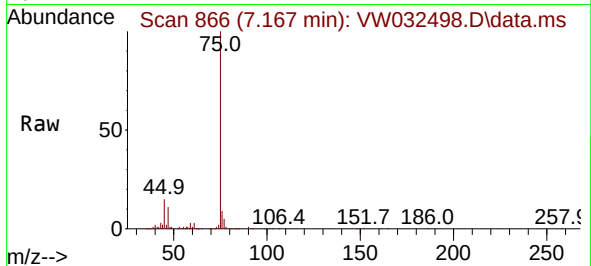




#26
2,2-Dichloropropane
Concen: 1.770 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

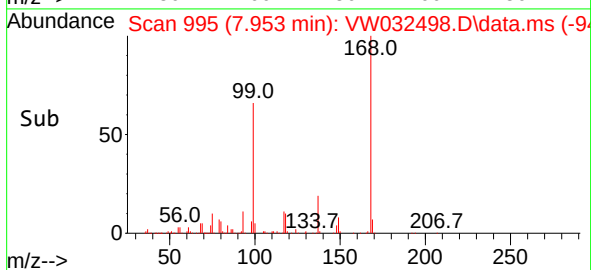
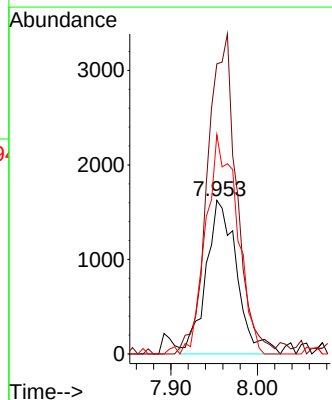
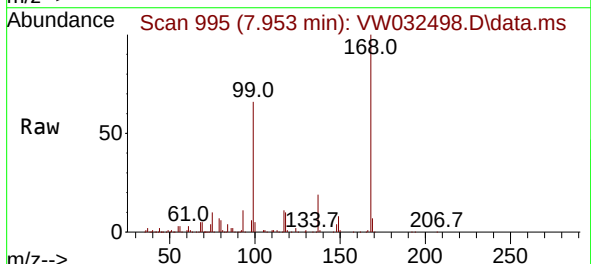
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

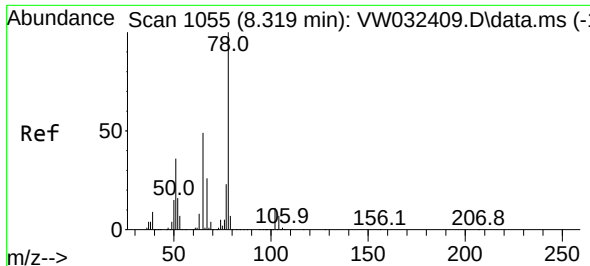
Tgt Ion: 77 Resp: 3414
Ion Ratio Lower Upper
77 100
97 0.0 12.3 36.8#



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 181.5 26.5 39.7#
84 142.8 69.6 104.4#

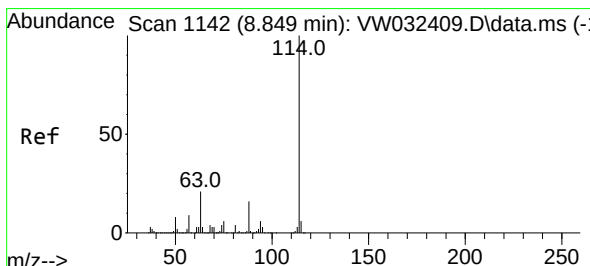
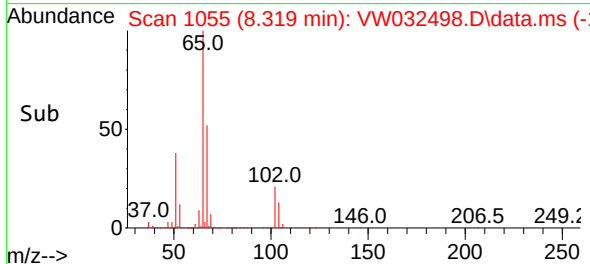
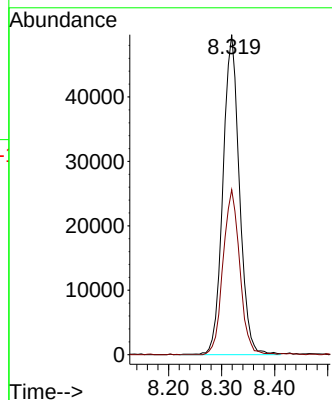
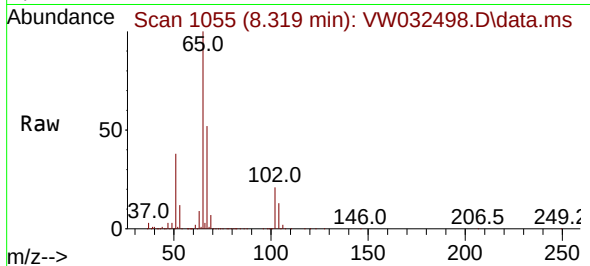




#33
 1,2-Dichloroethane-d4
 Concen: 55.472 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032498.D
 Acq: 19 Nov 2025 13:36

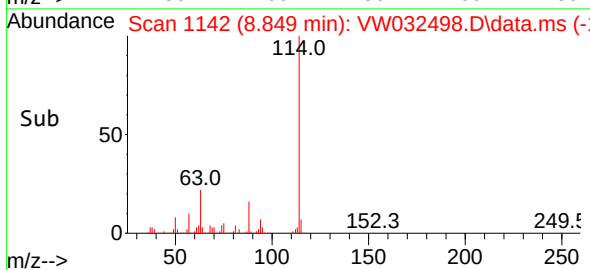
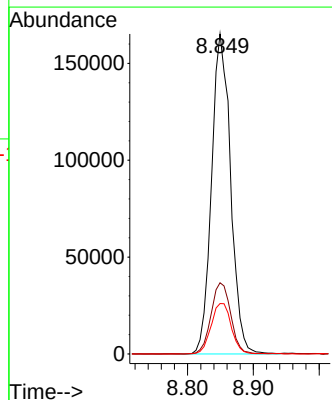
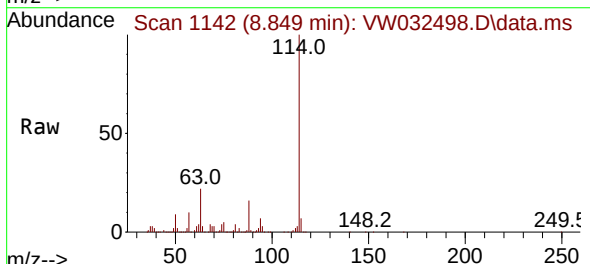
Instrument :
 MSVOA_W
 ClientSampleId :
 VOCRE

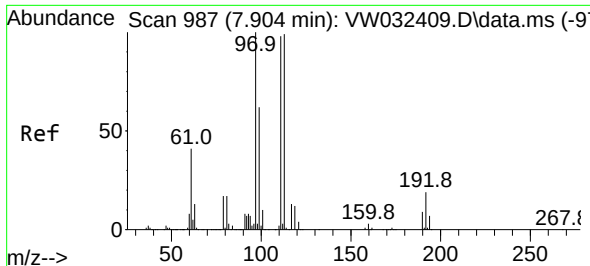
Tgt Ion: 65 Resp: 107350
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032498.D
 Acq: 19 Nov 2025 13:36

Tgt Ion: 114 Resp: 333057
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.8
 88 15.8 0.0 32.6

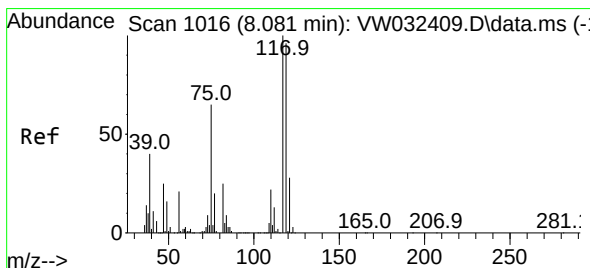
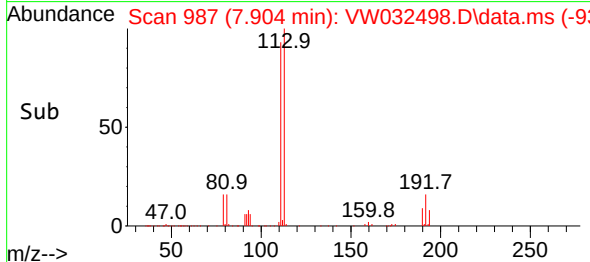
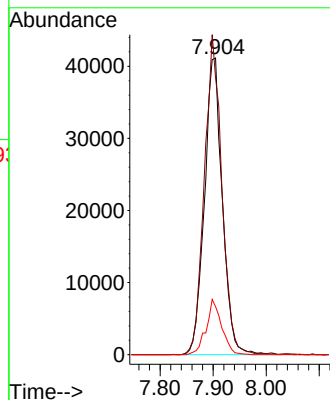
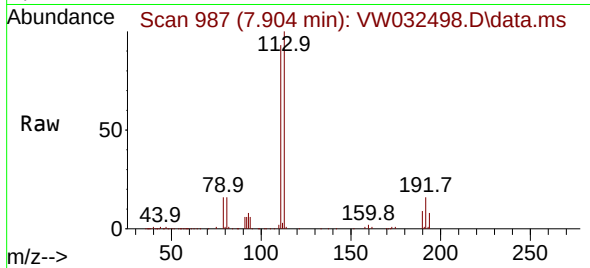




#35
Dibromofluoromethane
Concen: 48.457 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

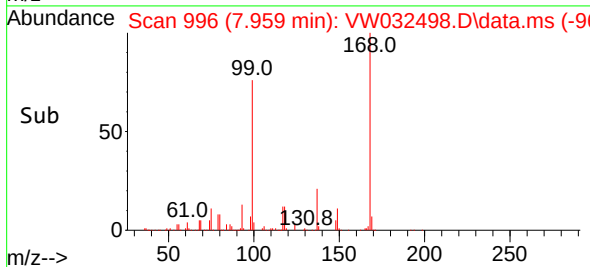
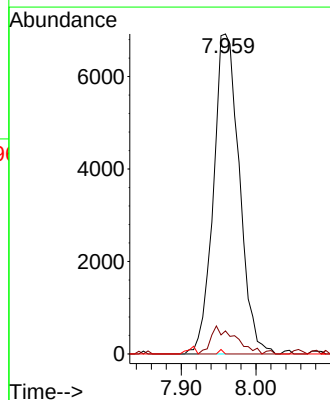
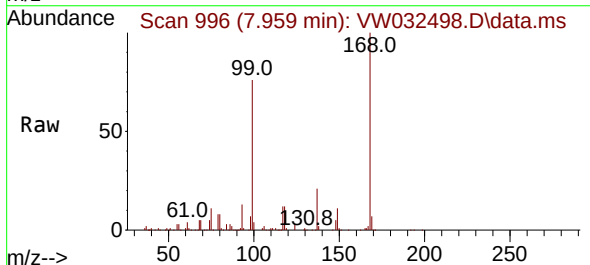
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

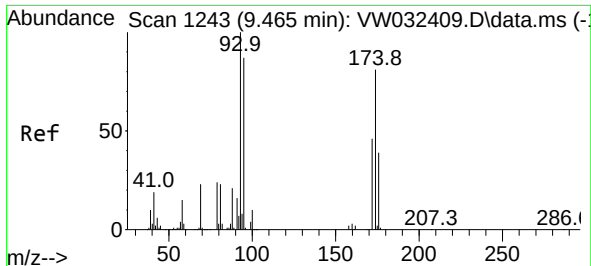
Tgt Ion:113 Resp: 96628
Ion Ratio Lower Upper
113 100
111 105.1 83.1 124.7
192 16.0 13.4 20.2



#38
Carbon Tetrachloride
Concen: 6.390 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion:117 Resp: 16681
Ion Ratio Lower Upper
117 100
119 7.2 77.0 115.4#
121 0.0 22.0 33.0#





#49

1,4-Dioxane

Concen: 3.215 ug/l

RT: 9.477 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW032498.D

Acq: 19 Nov 2025 13:36

Instrument :

MSVOA_W

ClientSampleId :

VOCRE

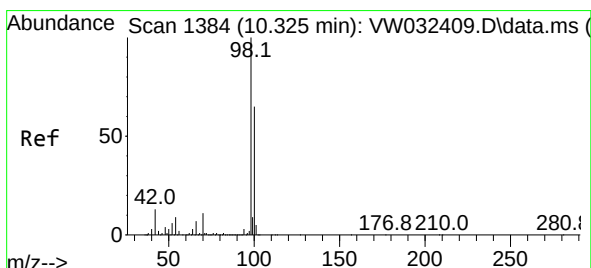
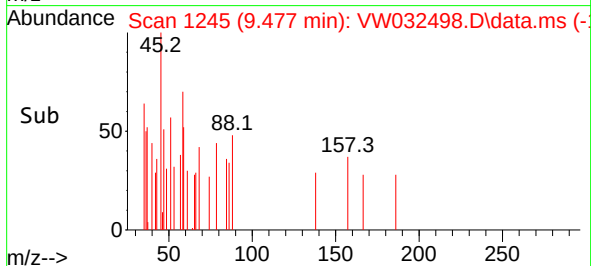
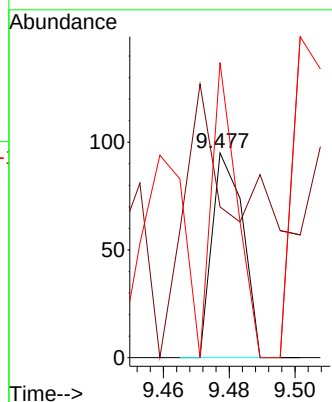
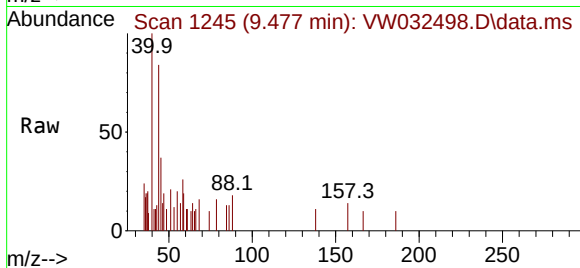
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 188.7 0.0 0.0#

58 117.7 63.0 94.4#



#50

Toluene-d8

Concen: 42.649 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032498.D

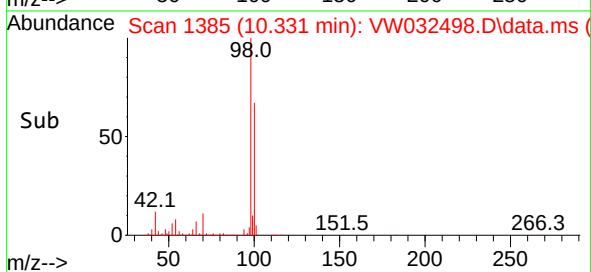
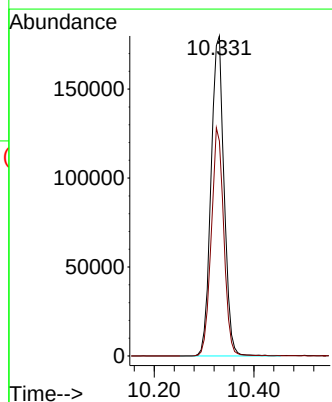
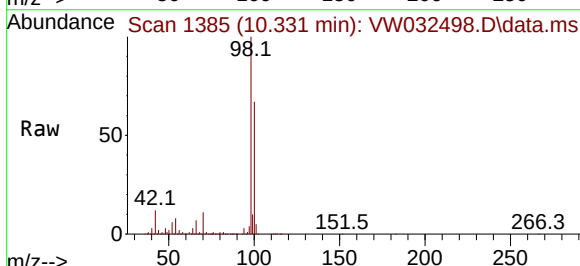
Acq: 19 Nov 2025 13:36

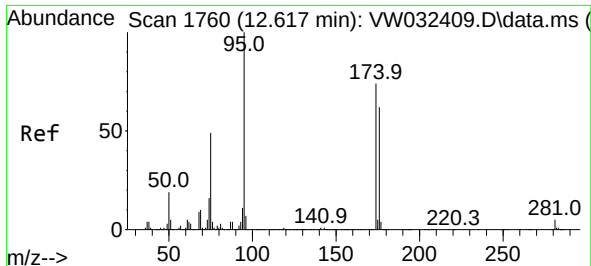
Tgt Ion: 98 Resp: 326263

Ion Ratio Lower Upper

98 100

100 68.2 53.3 79.9

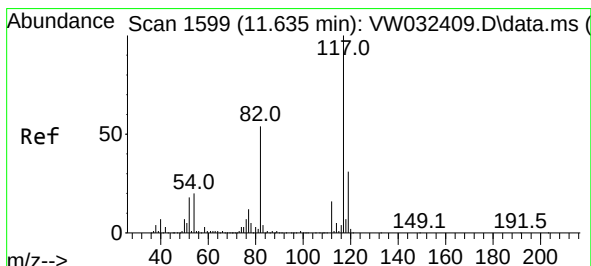
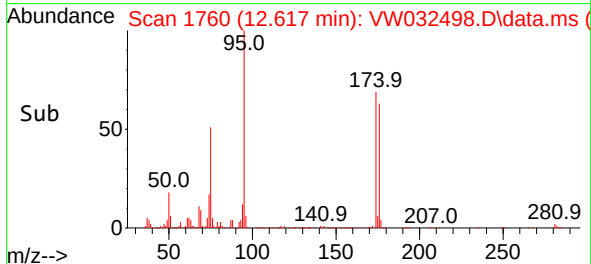
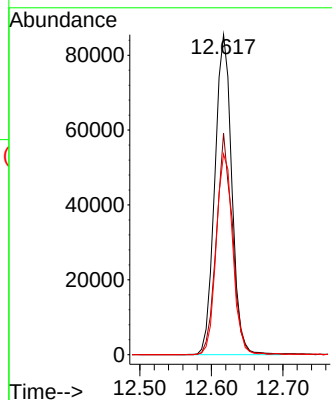
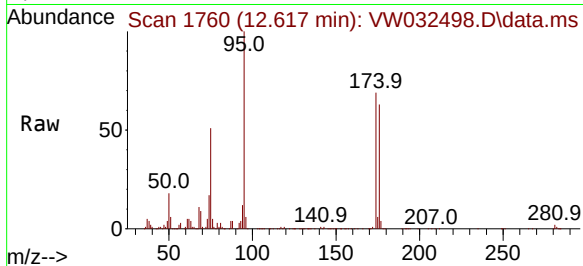




#62
4-Bromofluorobenzene
Concen: 48.778 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

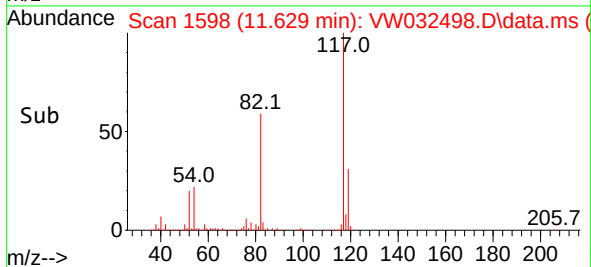
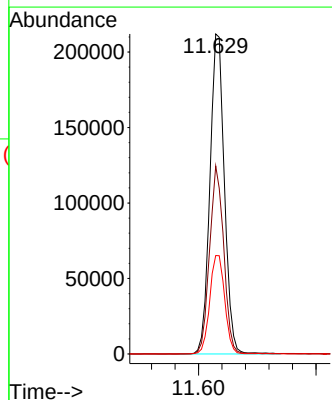
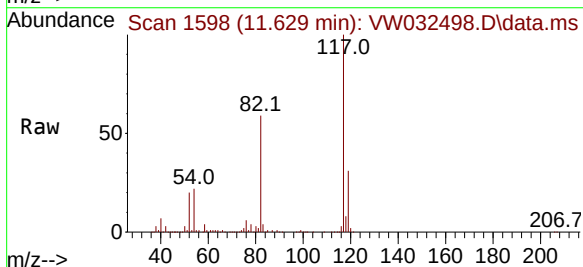
Instrument :
MSVOA_W
ClientSampleId :
VOCRE

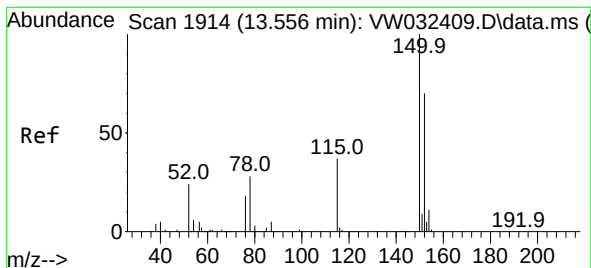
Tgt Ion: 95 Resp: 140963
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 61.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Tgt Ion: 117 Resp: 362725
Ion Ratio Lower Upper
117 100
82 58.7 43.0 64.4
119 30.7 25.0 37.6

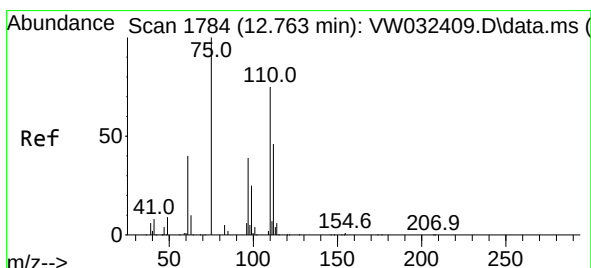
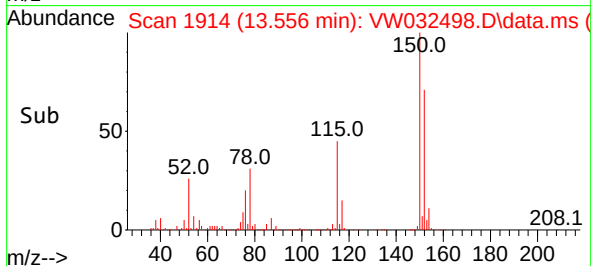
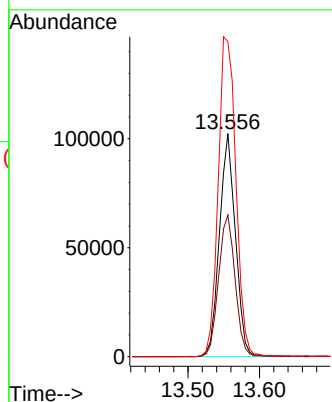
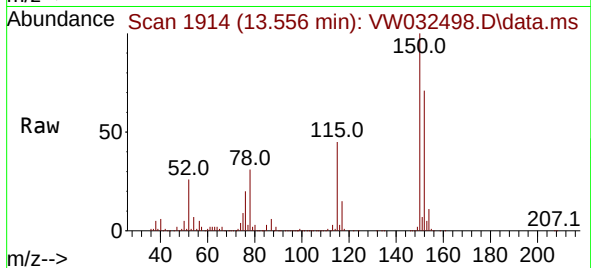




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032498.D
 Acq: 19 Nov 2025 13:36

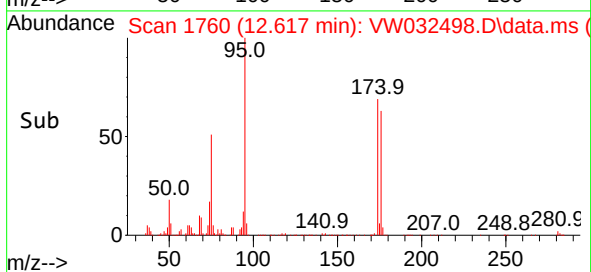
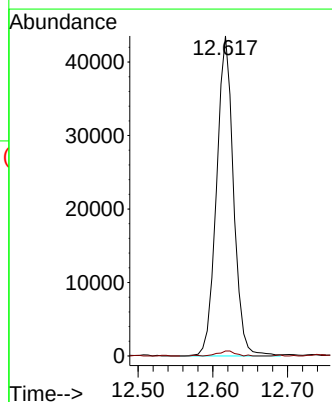
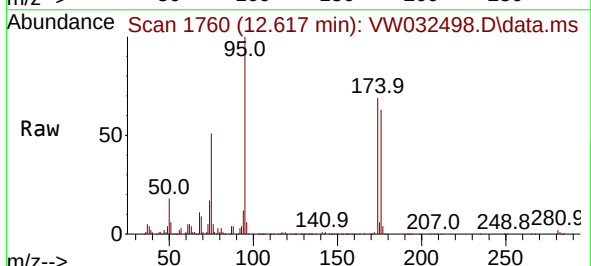
Instrument :
 MSVOA_W
 ClientSampleId :
 VOCRE

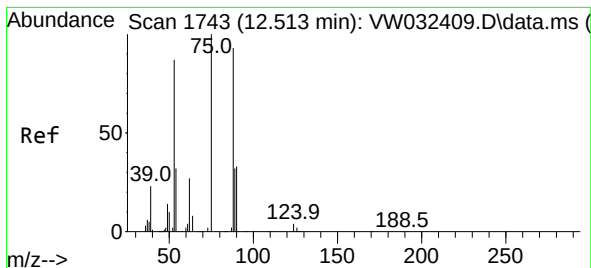
Tgt Ion:152 Resp: 159149
 Ion Ratio Lower Upper
 152 100
 115 65.6 32.8 98.3
 150 158.9 0.0 356.6



#76
 1,2,3-Trichloropropane
 Concen: 31.528 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032498.D
 Acq: 19 Nov 2025 13:36

Tgt Ion: 75 Resp: 68801
 Ion Ratio Lower Upper
 75 100
 77 1.6 151.6 454.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.214 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032498.D
Acq: 19 Nov 2025 13:36

Instrument :
MSVOA_W
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 68801
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.1 35.6 53.4#

