

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032505.D
 Acq On : 19 Nov 2025 16:10
 Operator : SY/MD
 Sample : Q3619-09
 Misc : 6.74g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B2(12-16)

Quant Time: Nov 20 01:20:37 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)

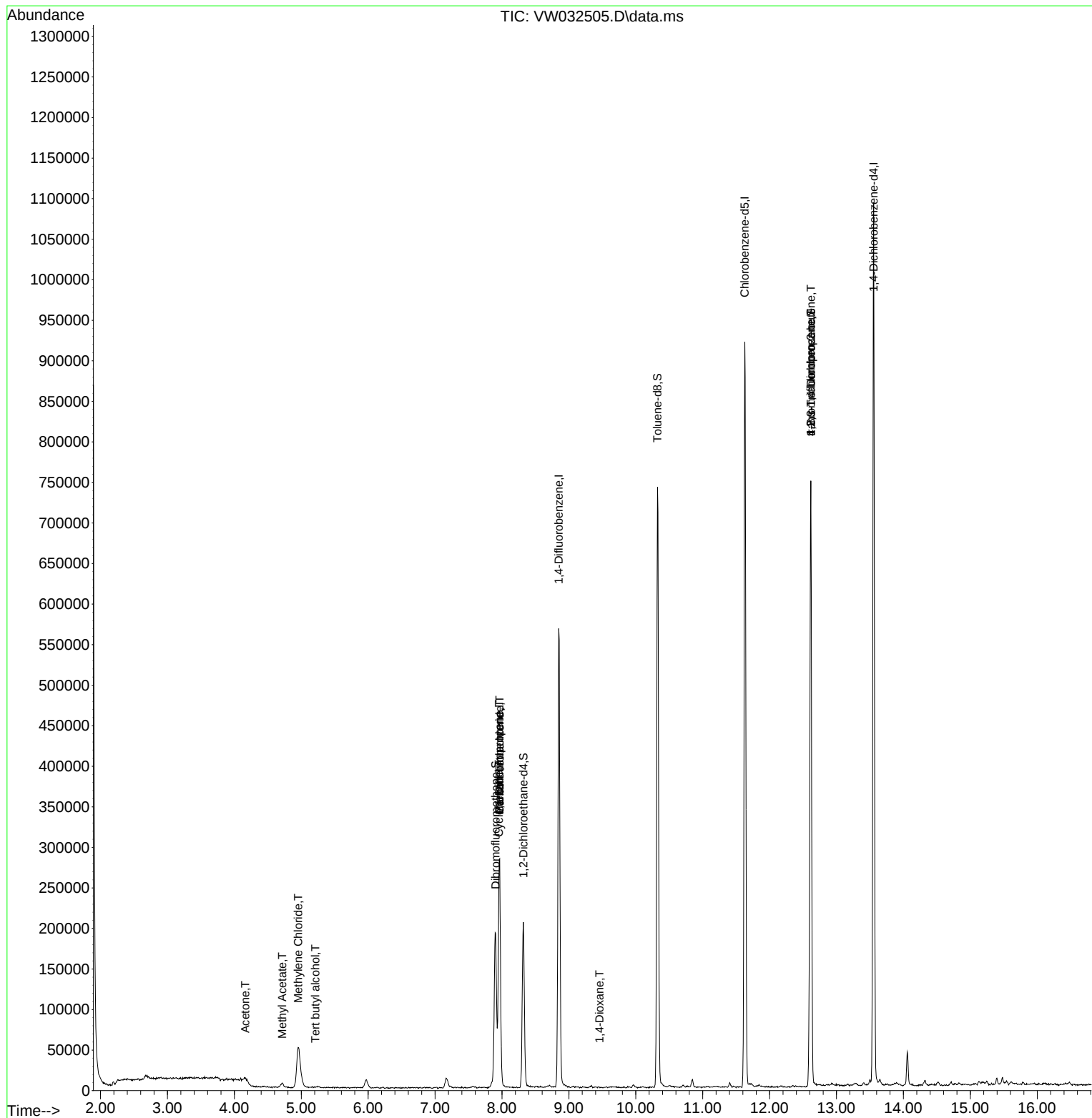
Internal Standards						
1) Pentafluorobenzene	7.965	168	203379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	479940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	511989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	278002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161909	61.749	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 123.500%		
35) Dibromofluoromethane	7.904	113	148307	51.612	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.220%		
50) Toluene-d8	10.325	98	497404	45.121	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 90.240%		
62) 4-Bromofluorobenzene	12.617	95	244583	58.733	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 117.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	619	2.730	ug/l #	72
16) Acetone	4.161	43	5938	7.570	ug/l #	88
18) Methyl Acetate	4.716	43	10544	5.428	ug/l	99
20) Methylene Chloride	4.954	84	45518	16.225	ug/l	97
31) Cyclohexane	7.953	56	5832	1.344	ug/l #	29
36) 1,1-Dichloropropene	7.959	75	17818	4.208	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22833	6.069	ug/l #	16
49) 1,4-Dioxane	9.459	88	30	1.079	ug/l #	82
76) 1,2,3-Trichloropropane	12.617	75	122184	32.054	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	122184	73.417	ug/l #	11

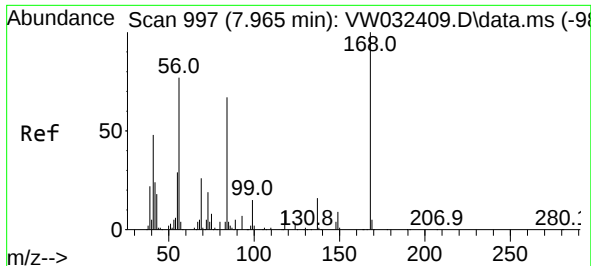
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
Data File : VW032505.D
Acq On : 19 Nov 2025 16:10
Operator : SY/MD
Sample : Q3619-09
Misc : 6.74g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

Quant Time: Nov 20 01:20:37 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

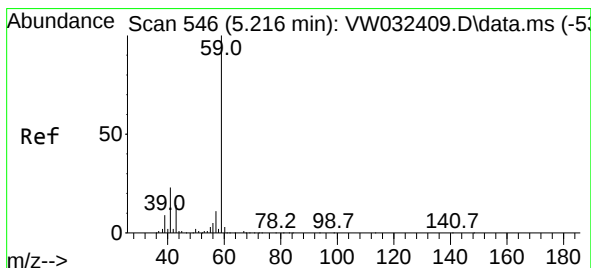
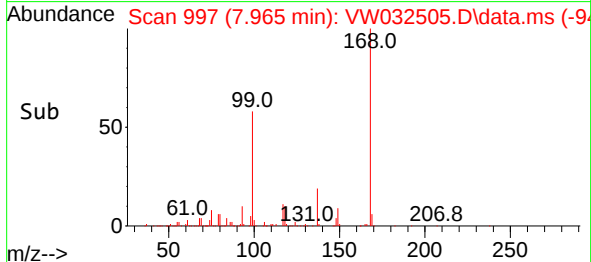
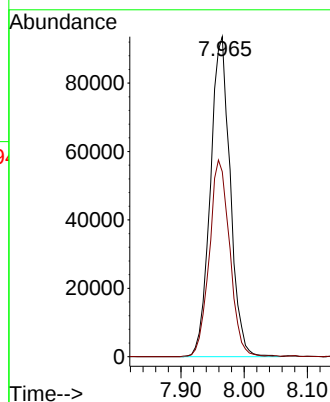
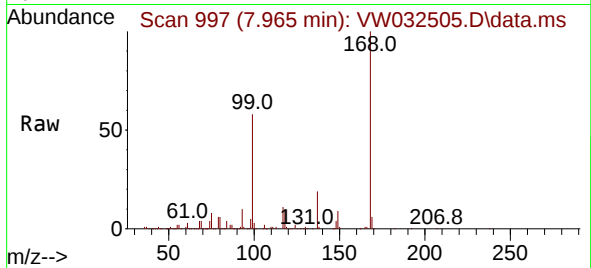




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

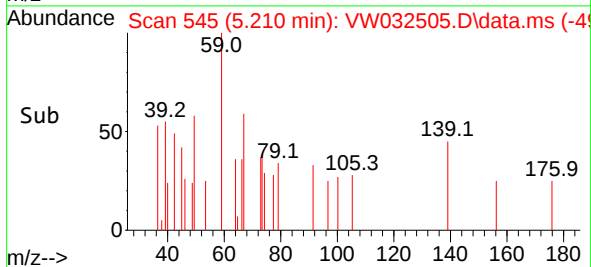
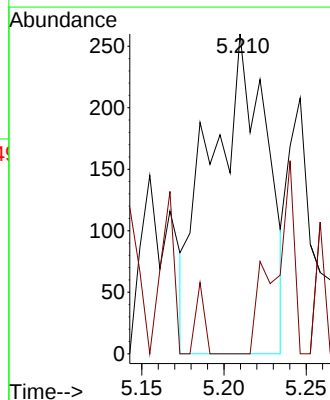
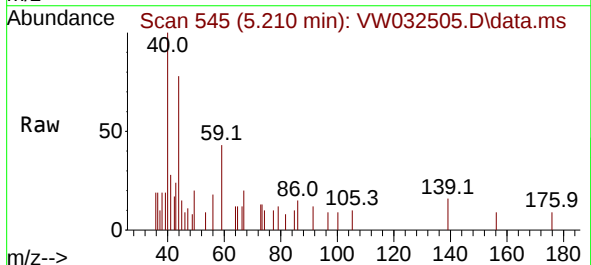
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

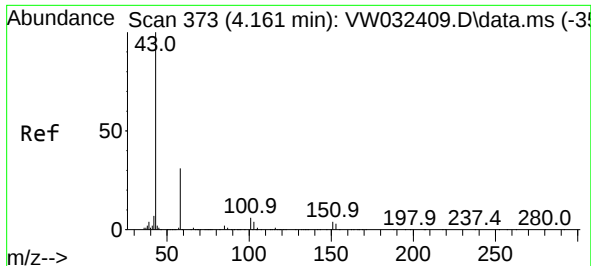
Tgt Ion:168 Resp: 203379
Ion Ratio Lower Upper
168 100
99 57.8 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.730 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

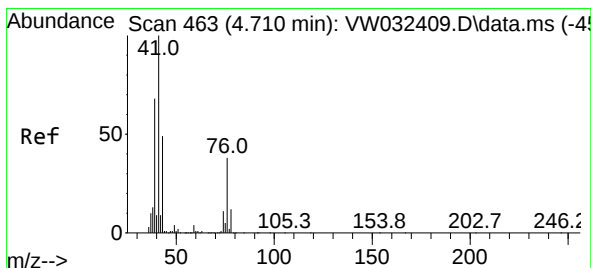
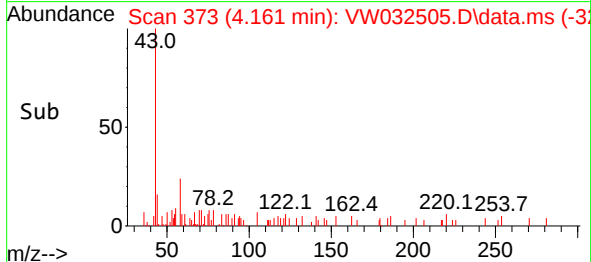
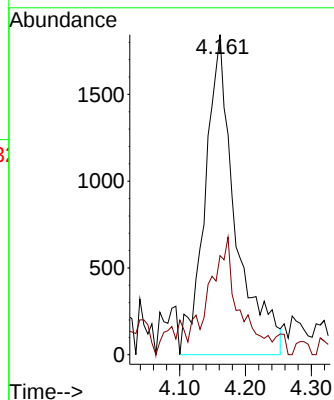
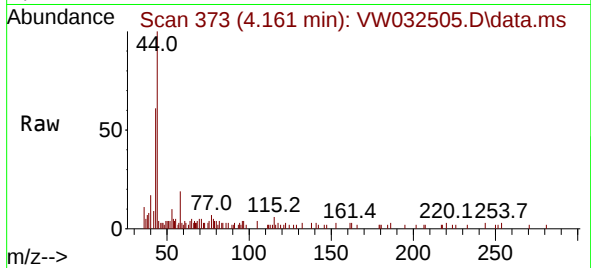




#16
Acetone
Concen: 7.570 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

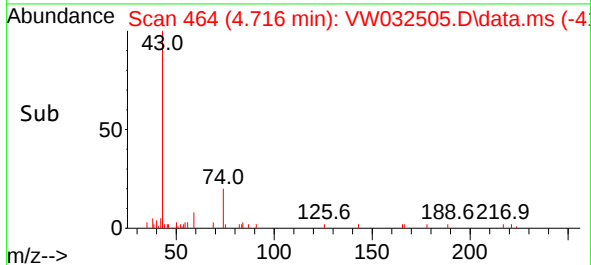
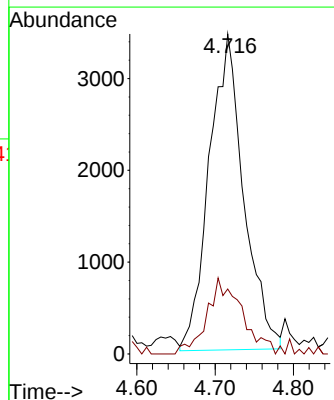
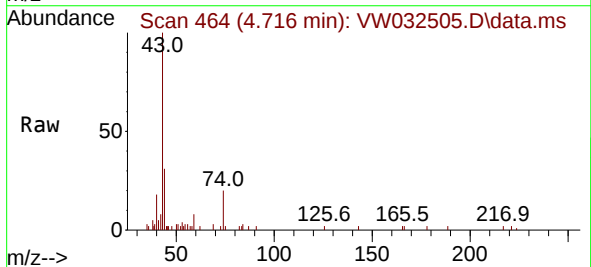
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

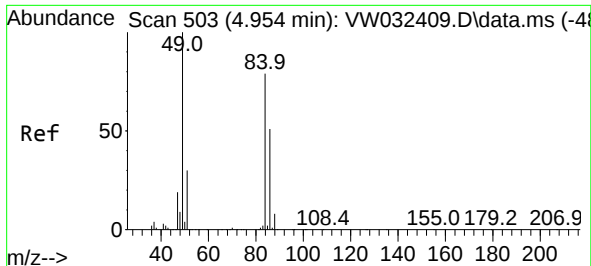
Tgt Ion: 43 Resp: 5938
Ion Ratio Lower Upper
43 100
58 24.5 24.8 37.2#



#18
Methyl Acetate
Concen: 5.428 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 43 Resp: 10544
Ion Ratio Lower Upper
43 100
74 24.2 18.9 28.3

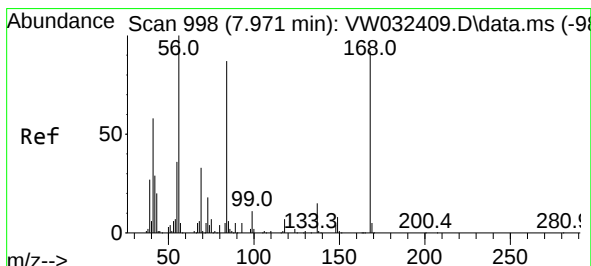
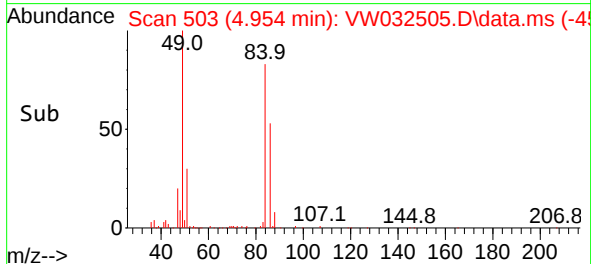
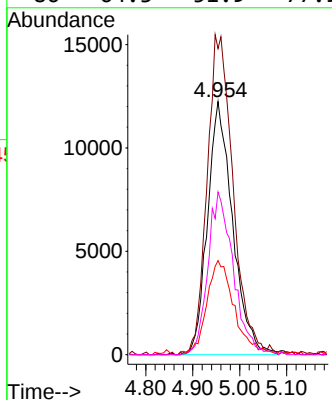
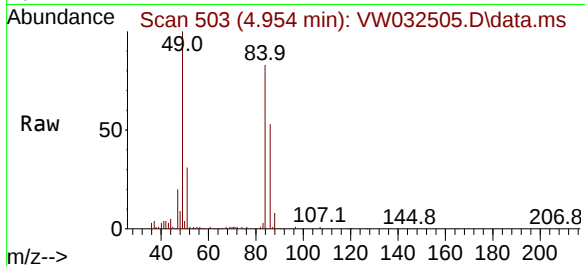




#20
Methylene Chloride
Concen: 16.225 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

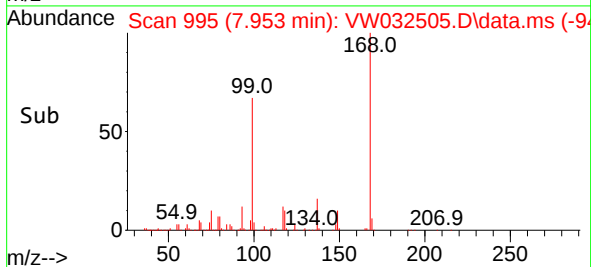
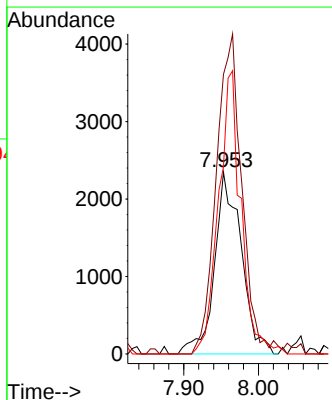
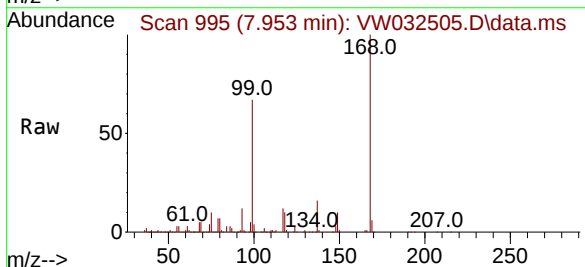
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

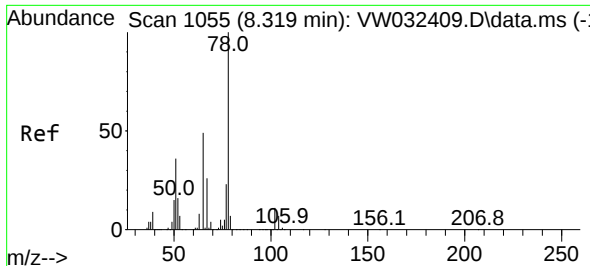
Tgt Ion:	84	Resp:	45518
Ion	Ratio	Lower	Upper
84	100		
49	120.9	101.5	152.3
51	37.2	30.6	46.0
86	64.3	51.9	77.9



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion:	56	Resp:	5832
Ion	Ratio	Lower	Upper
56	100		
69	153.9	26.5	39.7#
84	102.9	69.6	104.4

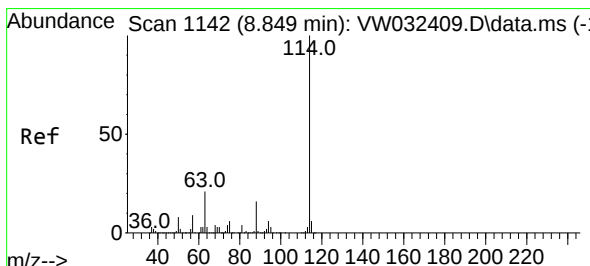
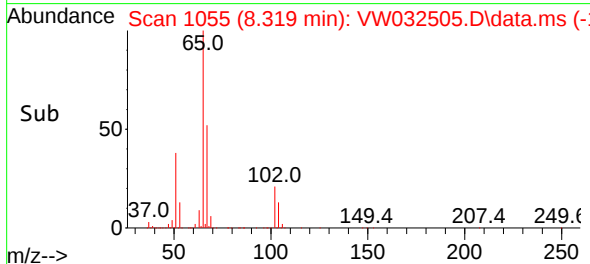
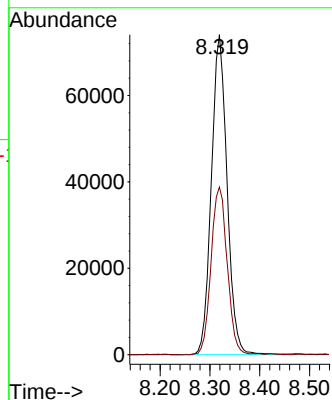
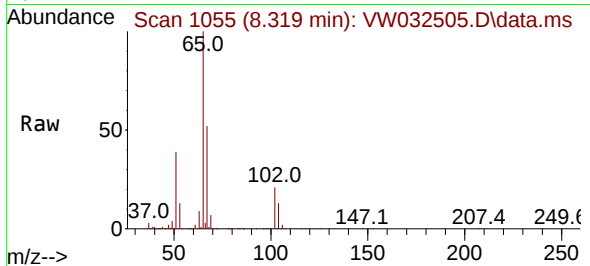




#33
 1,2-Dichloroethane-d4
 Concen: 61.749 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032505.D
 Acq: 19 Nov 2025 16:10

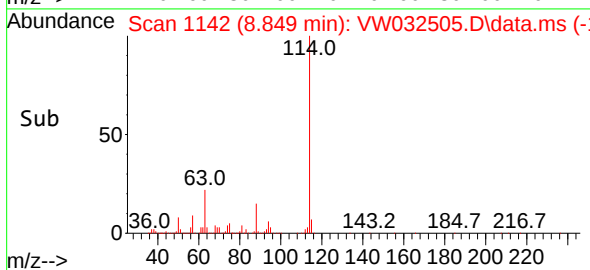
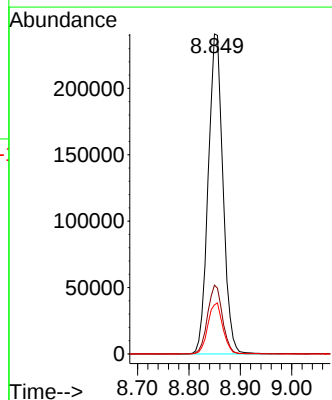
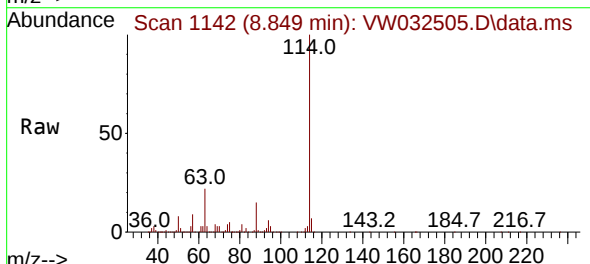
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B2(12-16)

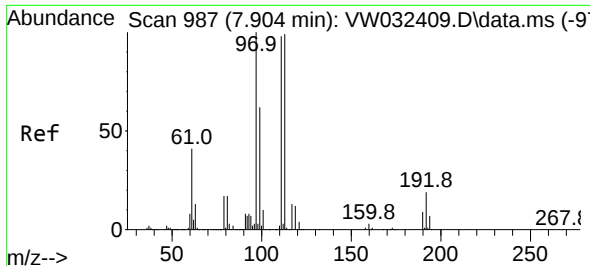
Tgt Ion: 65 Resp: 161909
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032505.D
 Acq: 19 Nov 2025 16:10

Tgt Ion: 114 Resp: 479940
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.8
 88 15.4 0.0 32.6

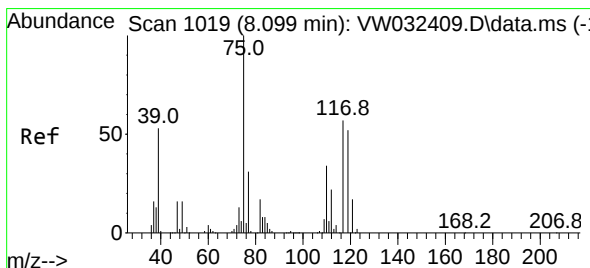
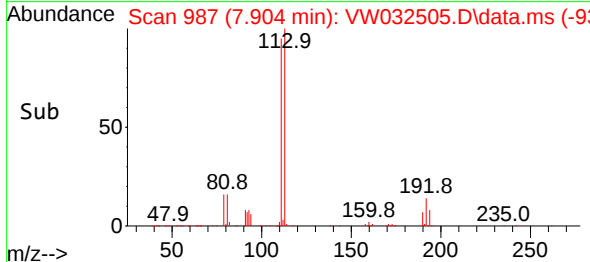
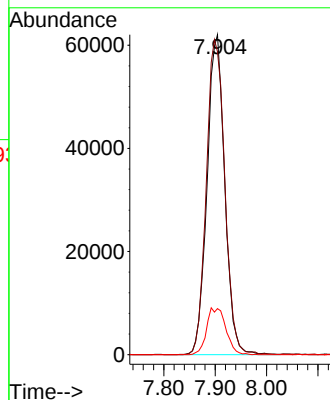
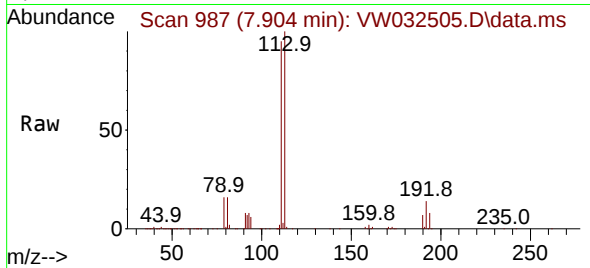




#35
Dibromofluoromethane
Concen: 51.612 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

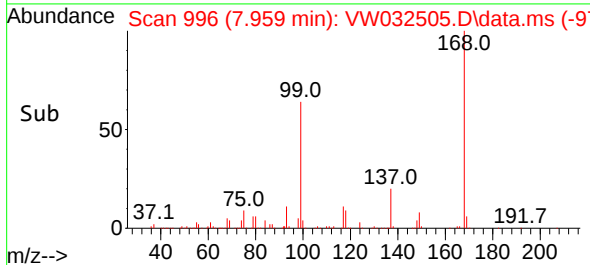
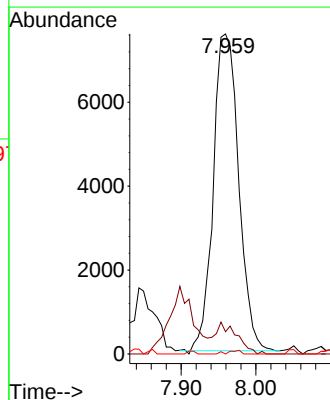
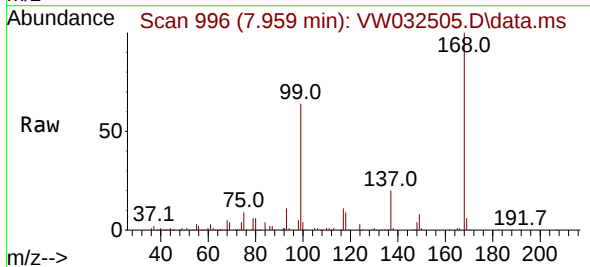
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

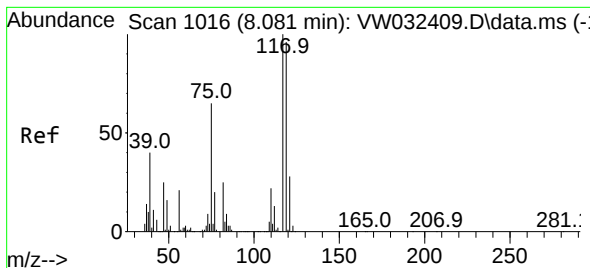
Tgt Ion:113 Resp: 148307
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 15.9 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.208 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 75 Resp: 17818
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032505.D

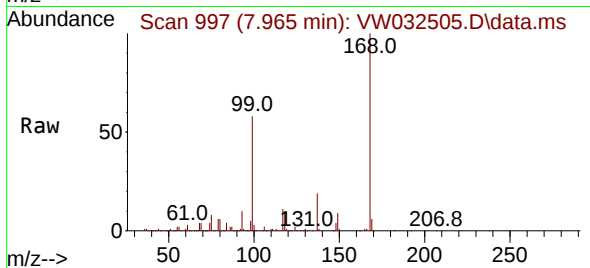
Acq: 19 Nov 2025 16:10

Instrument :

MSVOA_W

ClientSampleId :

GP-B2(12-16)



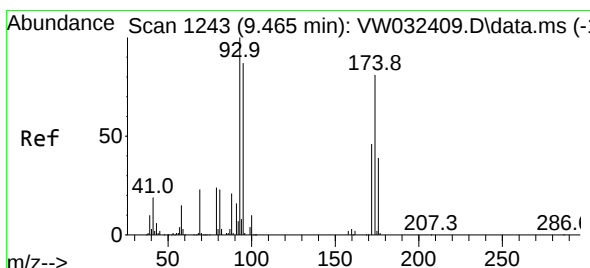
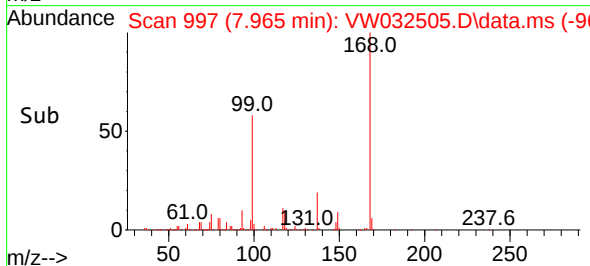
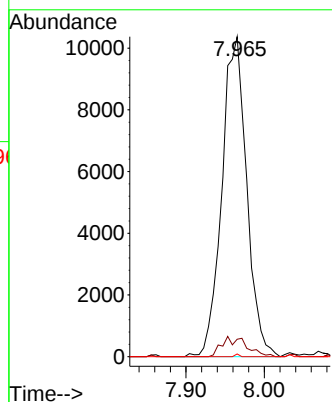
Tgt Ion:117 Resp: 22833

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: 1.079 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032505.D

Acq: 19 Nov 2025 16:10

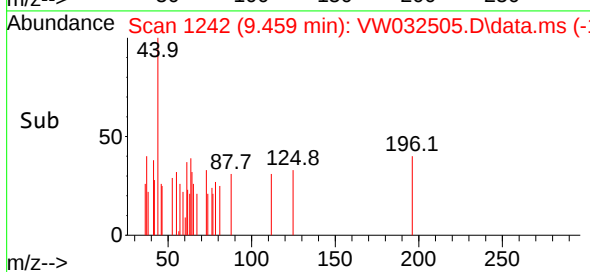
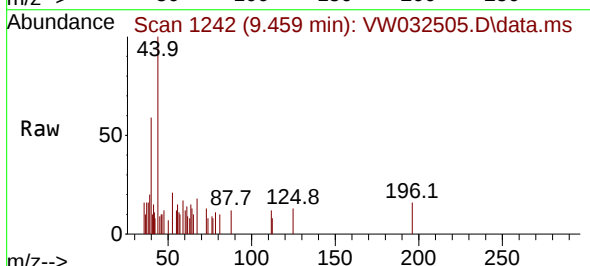
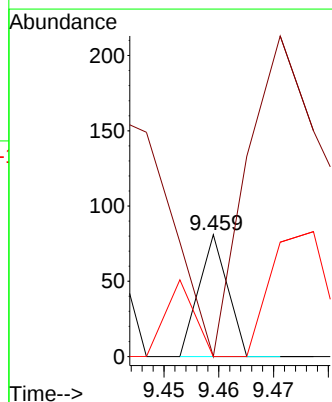
Tgt Ion: 88 Resp: 30

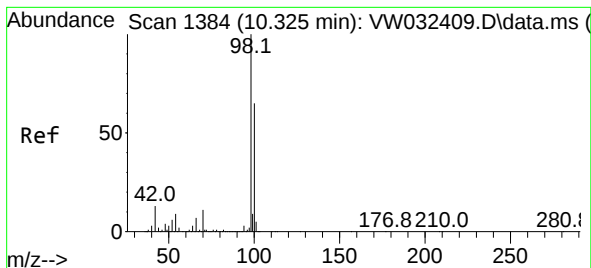
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 63.3 63.0 94.4

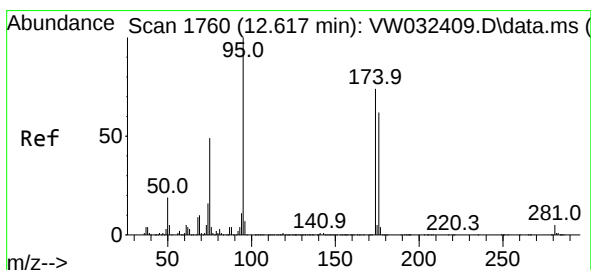
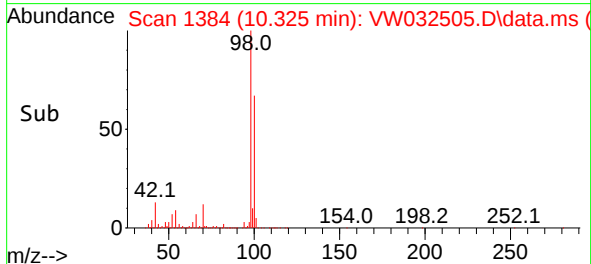
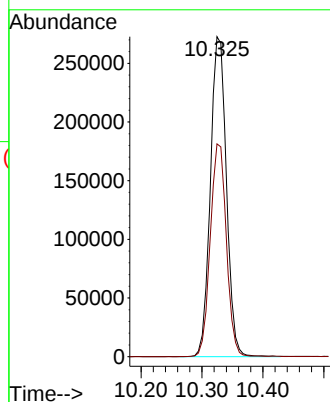
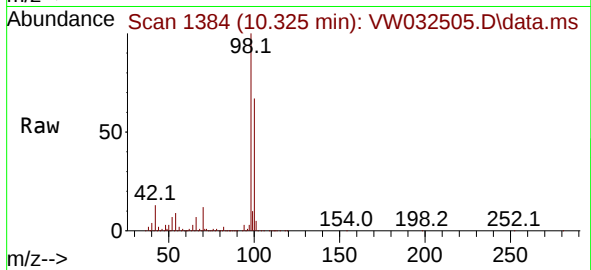




#50
Toluene-d8
Concen: 45.121 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

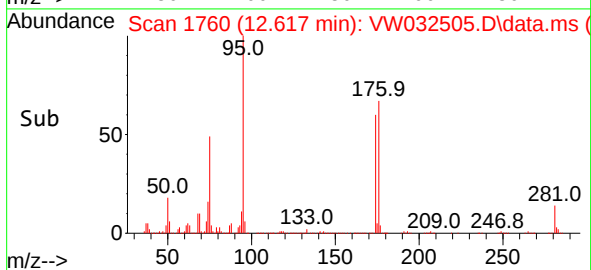
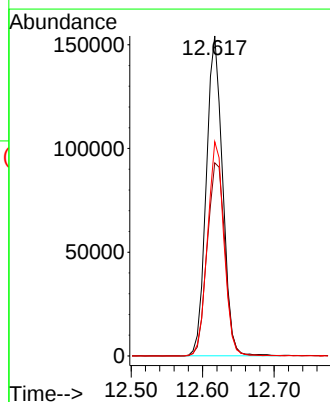
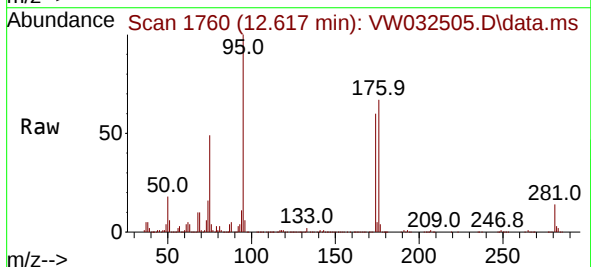
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

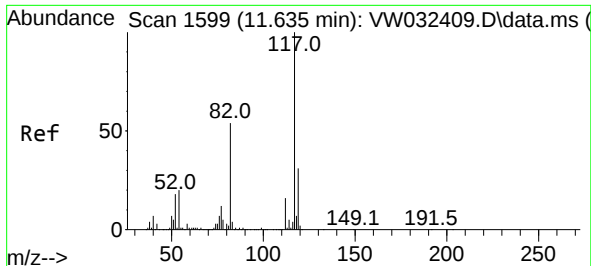
Tgt Ion: 98 Resp: 497404
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 58.733 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 95 Resp: 244583
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.4
176 67.6 0.0 131.8

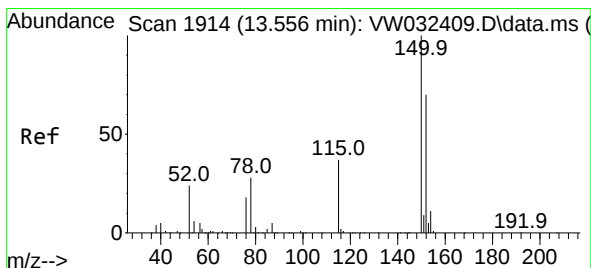
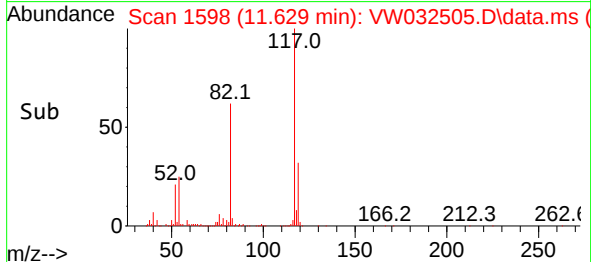
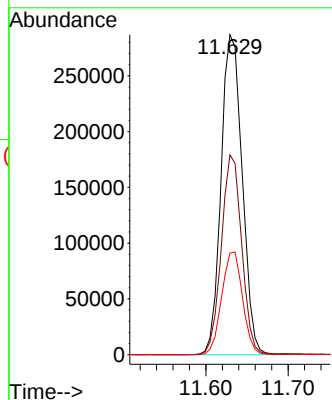
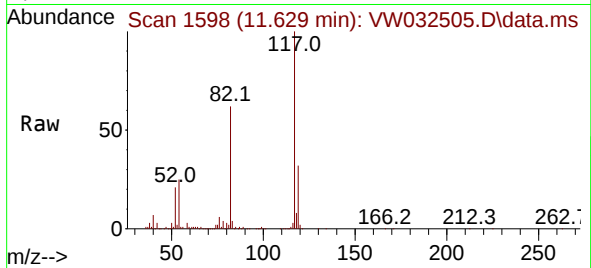




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

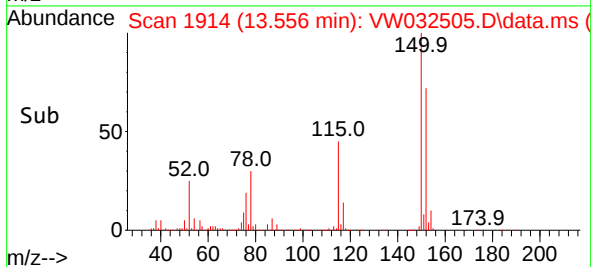
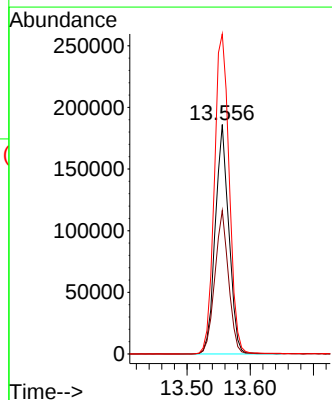
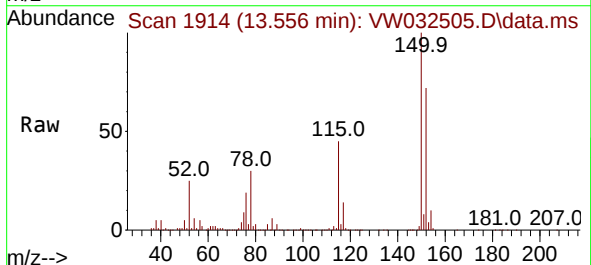
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

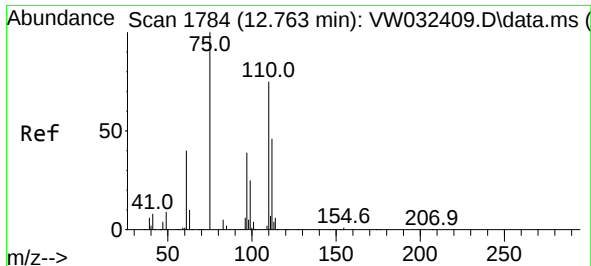
Tgt Ion:117 Resp: 511989
Ion Ratio Lower Upper
117 100
82 62.5 43.0 64.4
119 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion:152 Resp: 278002
Ion Ratio Lower Upper
152 100
115 63.0 32.8 98.3
150 151.9 0.0 356.6

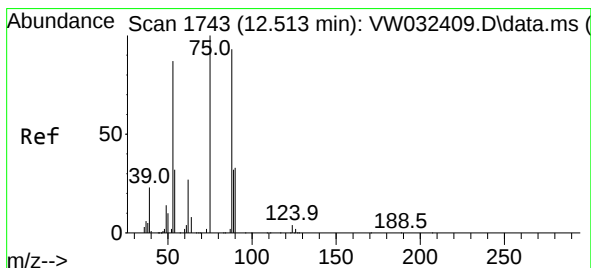
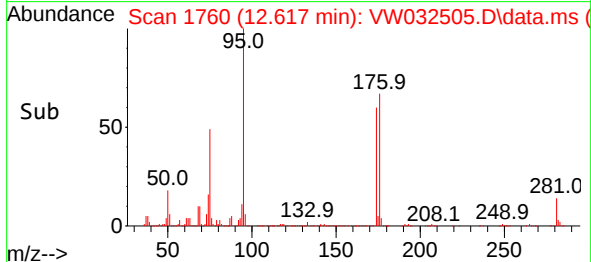
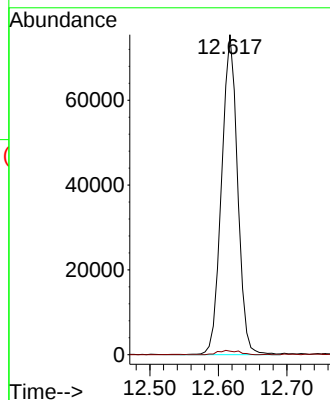
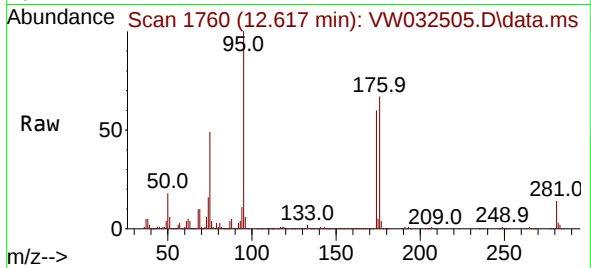




#76
1,2,3-Trichloropropane
Concen: 32.054 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

Tgt Ion: 75 Resp: 122184
Ion Ratio Lower Upper
75 100
77 1.7 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.417 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 75 Resp: 122184
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 1.0 35.6 53.4#

