

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032181.D
 Acq On : 17 Sep 2025 11:32
 Operator : SY/MD
 Sample : VW0917SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 04:31:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

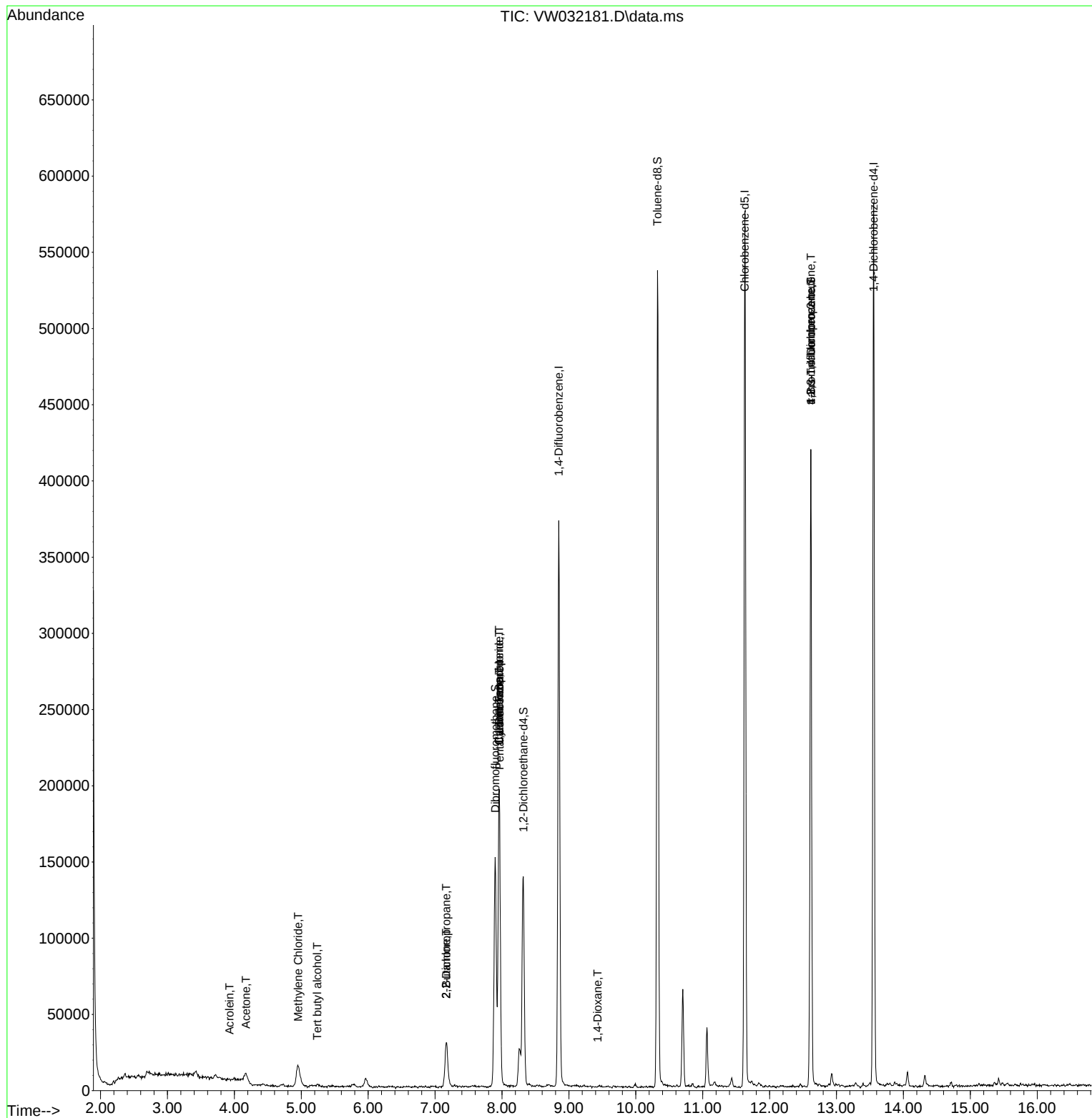
Internal Standards						
1) Pentafluorobenzene	7.965	168	134852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	294501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	298600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116952	60.642	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 121.280%			
35) Dibromofluoromethane	7.898	113	106601	51.593	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.180%			
50) Toluene-d8	10.325	98	345492	47.632	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.260%			
62) 4-Bromofluorobenzene	12.617	95	130734	48.742	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.480%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.240	59	379	3.213	ug/l #	66
13) Acrolein	3.929	56	357	1.969	ug/l #	64
16) Acetone	4.173	43	7890	18.890	ug/l	99
20) Methylene Chloride	4.954	84	13142	4.169	ug/l	95
25) 2-Butanone	7.167	43	2091	3.533	ug/l #	57
26) 2,2-Dichloropropane	7.167	77	2234	1.462	ug/l #	52
31) Cyclohexane	7.959	56	4186	1.768	ug/l #	52
36) 1,1-Dichloropropene	7.959	75	13412	5.006	ug/l #	49
38) Carbon Tetrachloride	7.959	117	15645	5.448	ug/l #	18
49) 1,4-Dioxane	9.428	88	70	4.138	ug/l #	25
76) 1,2,3-Trichloropropane	12.617	75	70944	41.278	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	70944	111.141	ug/l #	5

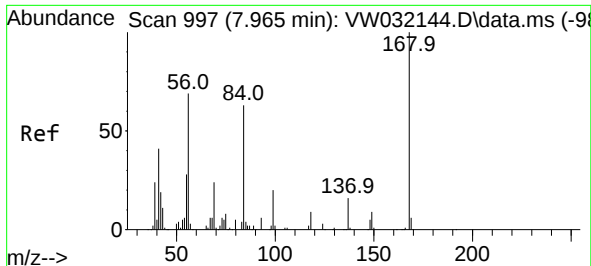
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

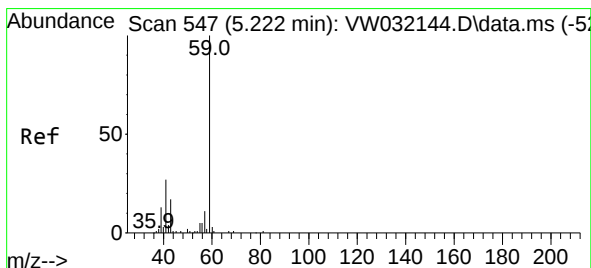
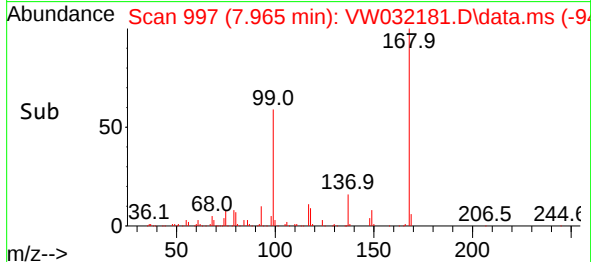
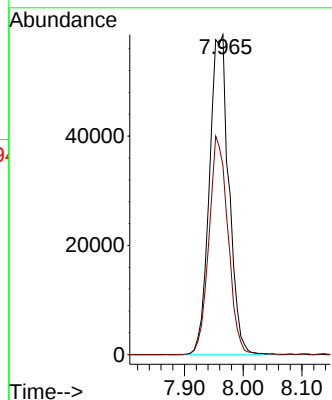
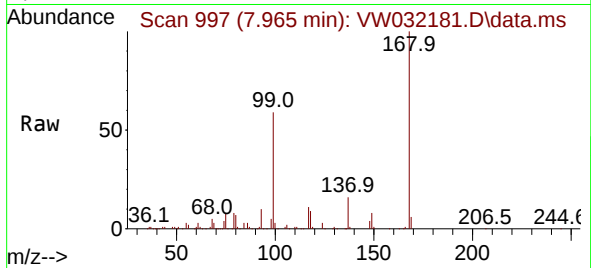




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

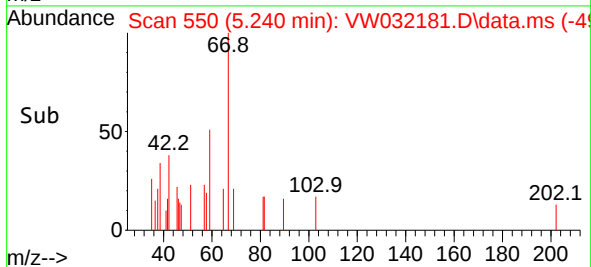
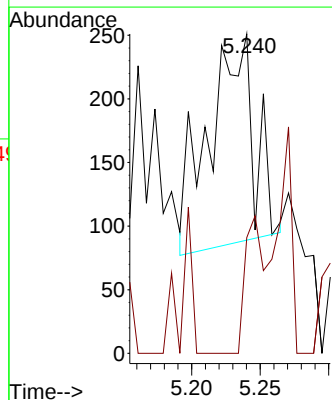
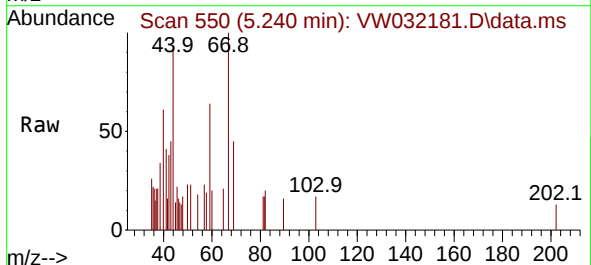
Instrument :
MSVOA_W
ClientSampleId :

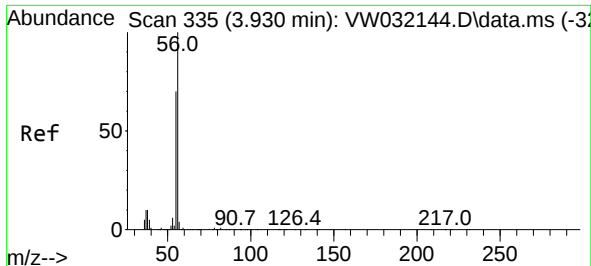
Tgt Ion:168 Resp: 134852
Ion Ratio Lower Upper
168 100
99 59.1 49.3 73.9



#11
Tert butyl alcohol
Concen: 3.213 ug/l
RT: 5.240 min Scan# 550
Delta R.T. 0.018 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 25.6 9.8 14.6#

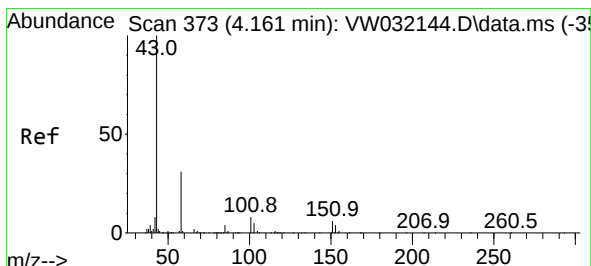
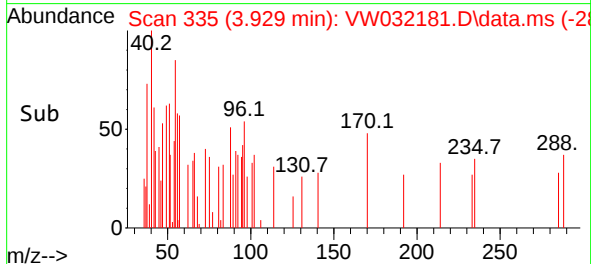
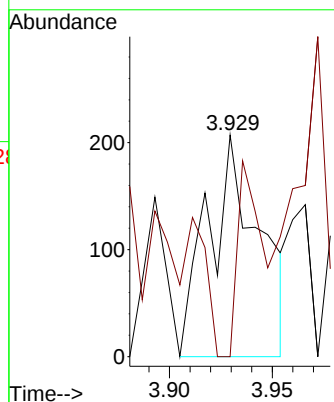
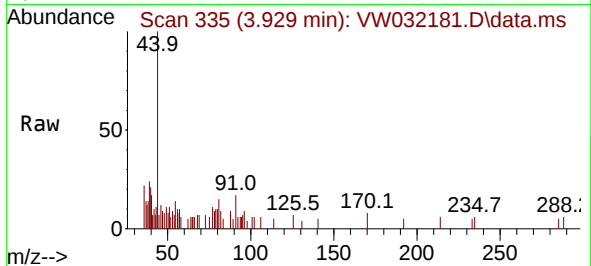




#13
Acrolein
Concen: 1.969 ug/l
RT: 3.929 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

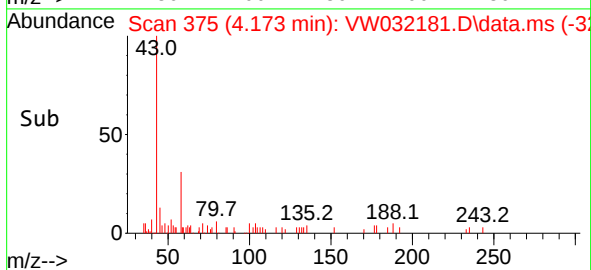
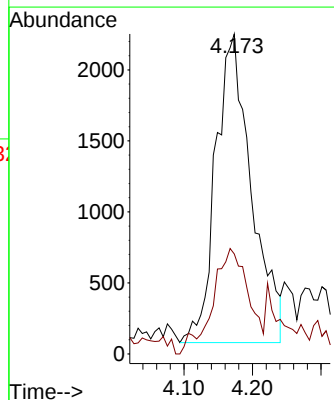
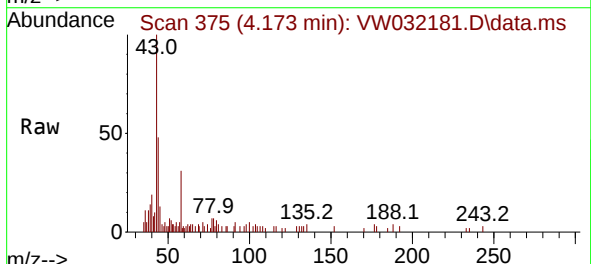
Instrument :
MSVOA_W
ClientSampleId :

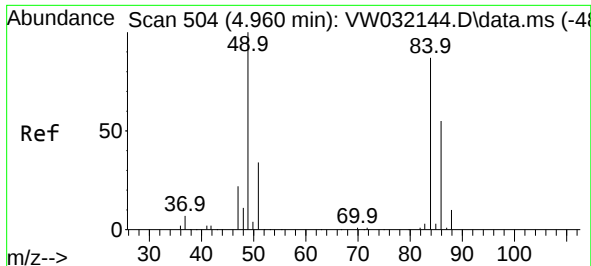
Tgt Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 41.2 56.4 84.6#



#16
Acetone
Concen: 18.890 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

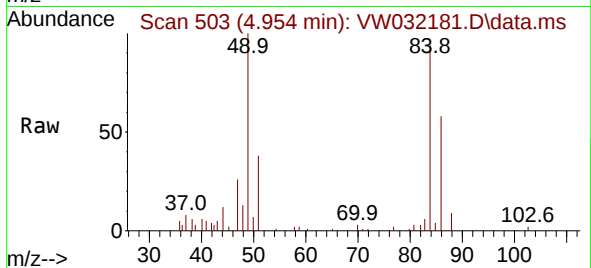
Tgt Ion: 43 Resp: 7890
Ion Ratio Lower Upper
43 100
58 32.4 25.3 37.9



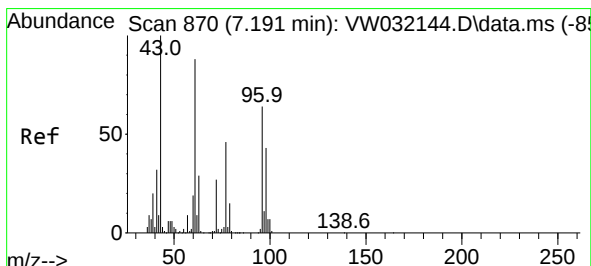
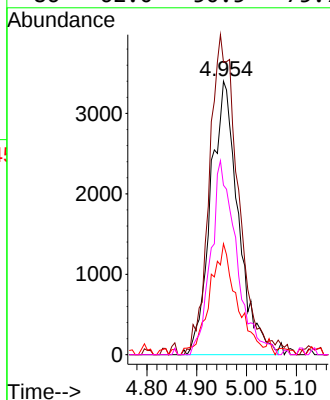
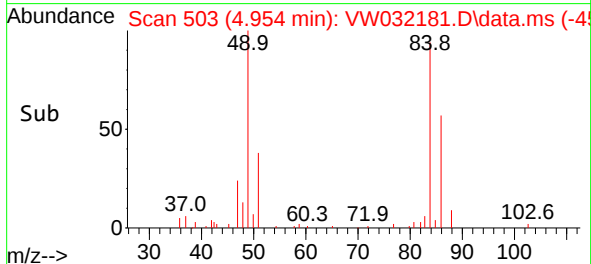


#20
Methylene Chloride
Concen: 4.169 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

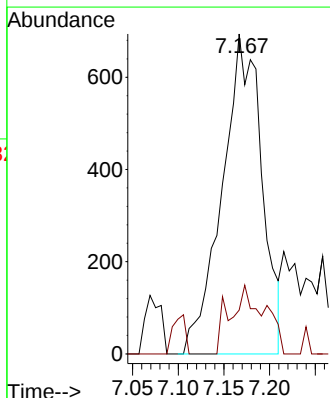
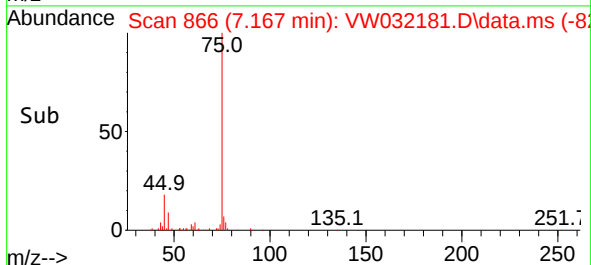
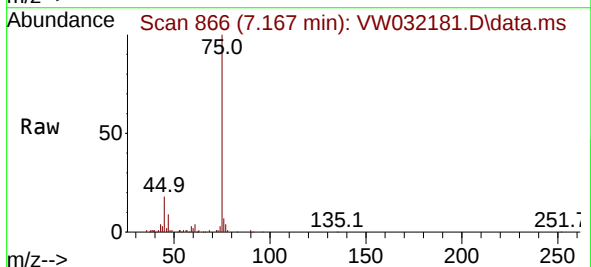


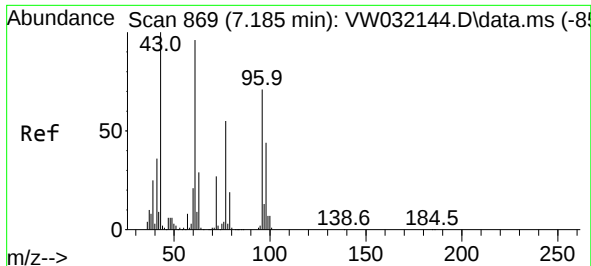
Tgt Ion:	84	Resp:	13142
Ion	Ratio	Lower	Upper
84	100		
49	106.9	92.2	138.4
51	40.6	31.0	46.6
86	62.0	50.5	75.7



#25
2-Butanone
Concen: 3.533 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Tgt Ion:	43	Resp:	2091
Ion	Ratio	Lower	Upper
43	100		
72	4.5	21.4	32.2#

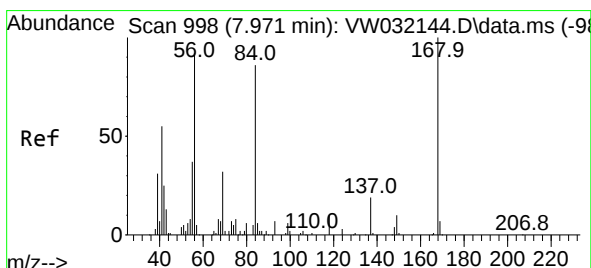
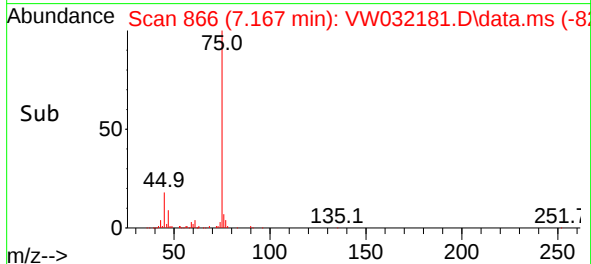
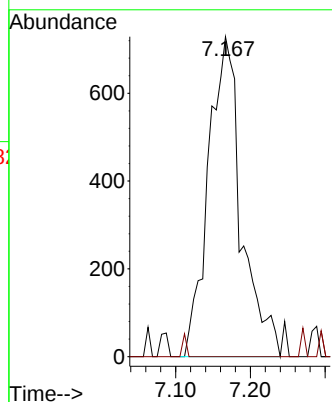
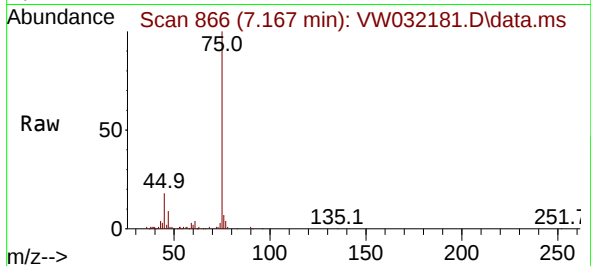




#26
2,2-Dichloropropane
Concen: 1.462 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

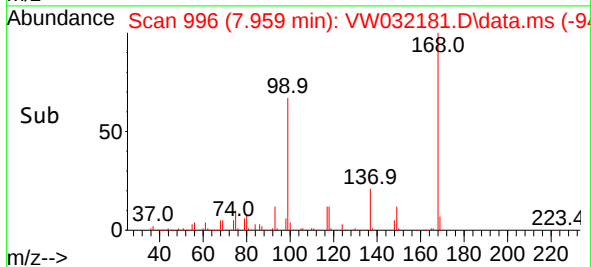
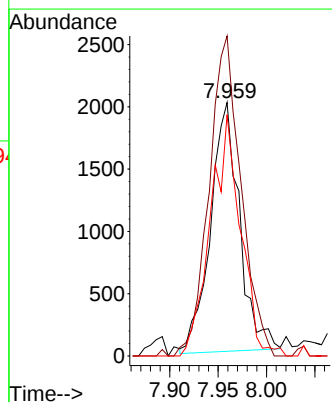
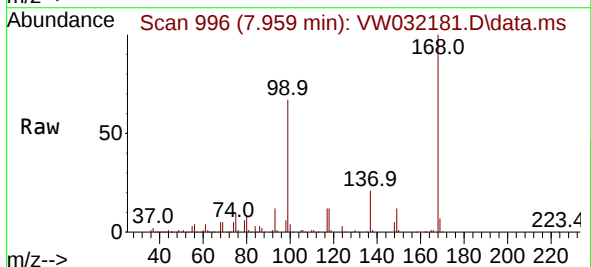
Instrument :
MSVOA_W
ClientSampleId :

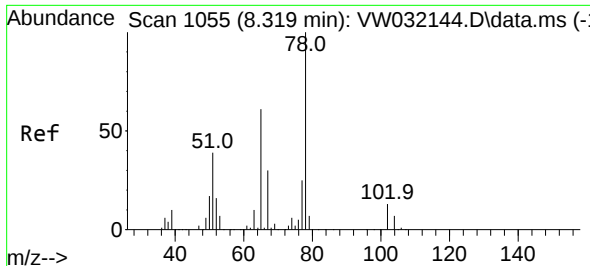
Tgt Ion: 77 Resp: 2234
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.768 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Tgt Ion: 56 Resp: 4186
Ion Ratio Lower Upper
56 100
69 129.9 27.7 41.5#
84 98.0 74.6 112.0





#33

1,2-Dichloroethane-d4

Concen: 60.642 ug/l

RT: 8.319 min Scan# 110

Delta R.T. -0.000 min

Lab File: VW032181.D

Acq: 17 Sep 2025 11:32

Instrument :

MSVOA_W

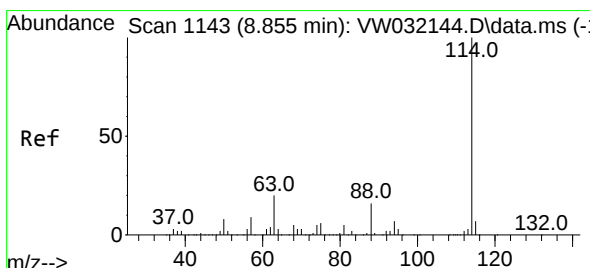
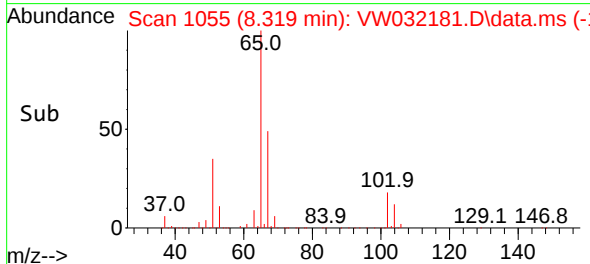
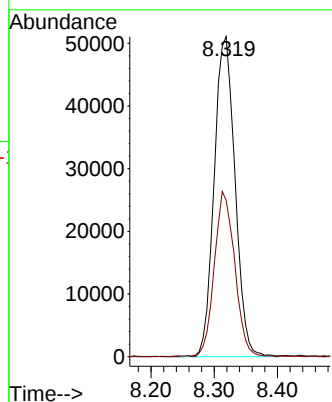
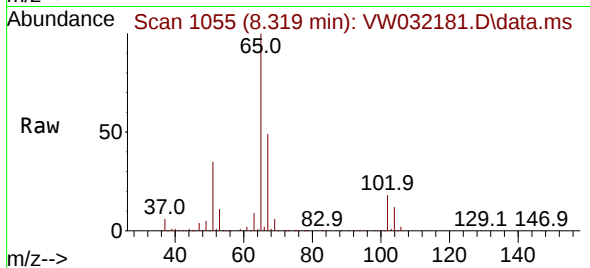
ClientSampleId :

Tgt Ion: 65 Resp: 116952

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032181.D

Acq: 17 Sep 2025 11:32

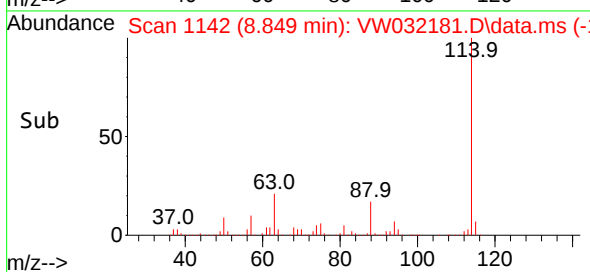
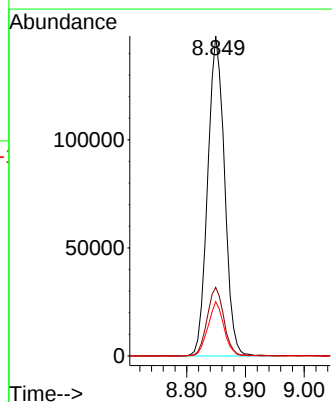
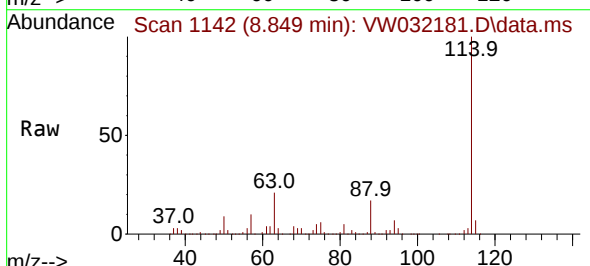
Tgt Ion: 114 Resp: 294501

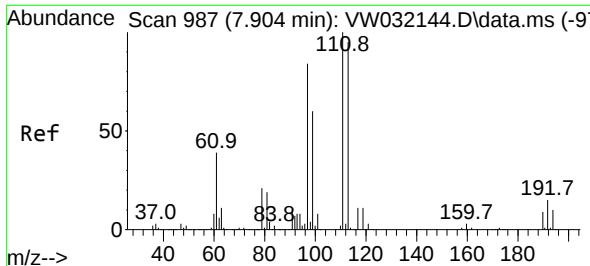
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 16.9 0.0 32.0

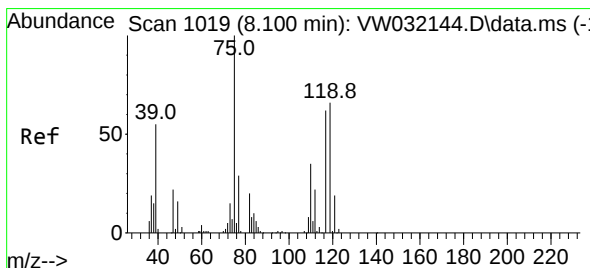
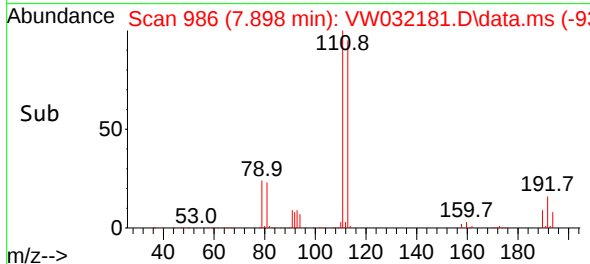
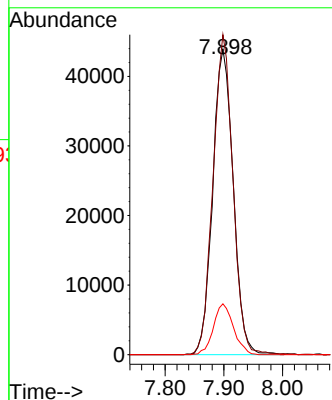
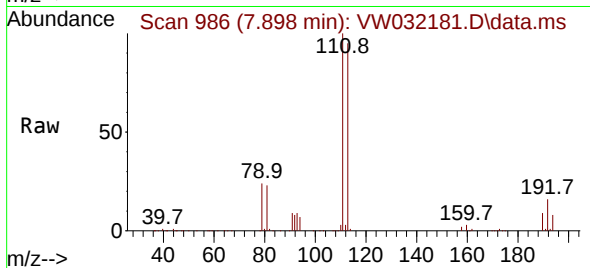




#35
 Dibromofluoromethane
 Concen: 51.593 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW032181.D
 Acq: 17 Sep 2025 11:32

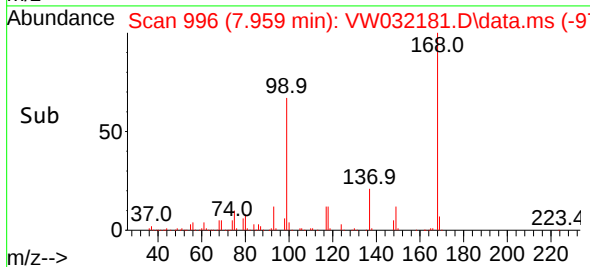
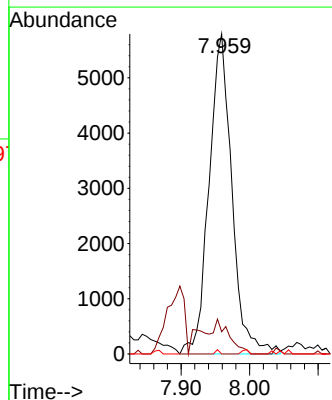
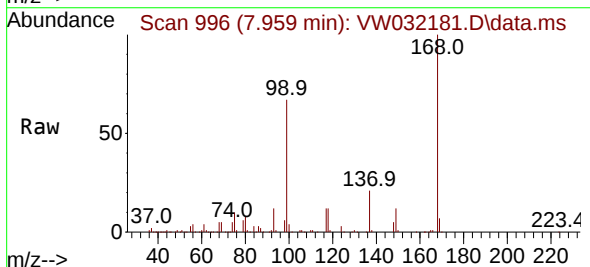
Instrument :
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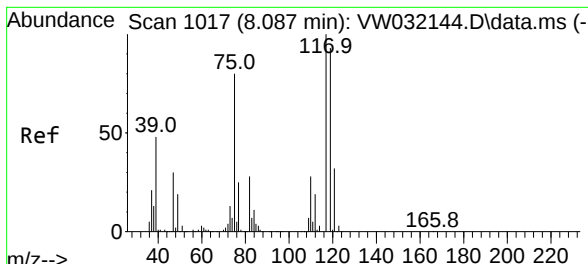
Tgt Ion:113 Resp: 106601
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.9 125.9
 192 16.3 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032181.D
 Acq: 17 Sep 2025 11:32

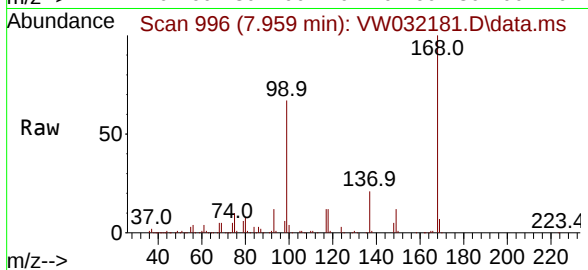
Tgt Ion: 75 Resp: 13412
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.5 52.5#
 77 0.2 24.1 36.1#



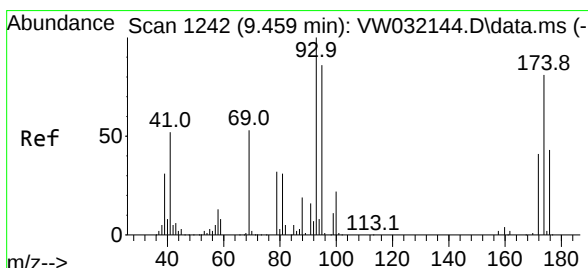
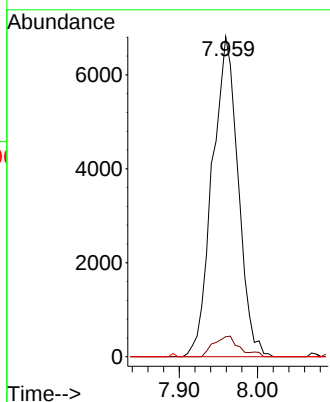
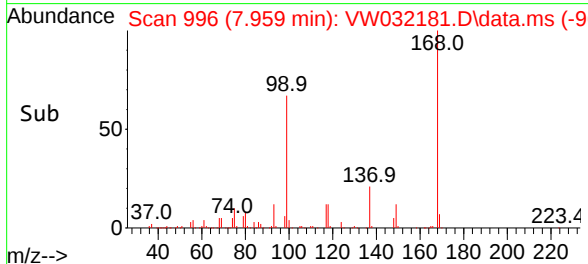


#38
Carbon Tetrachloride
Concen: 5.448 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.128 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

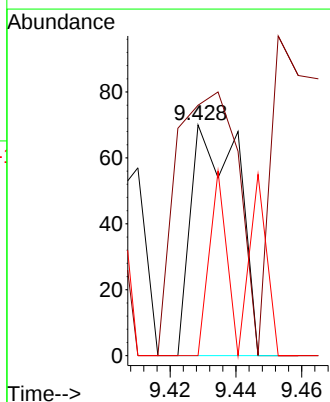
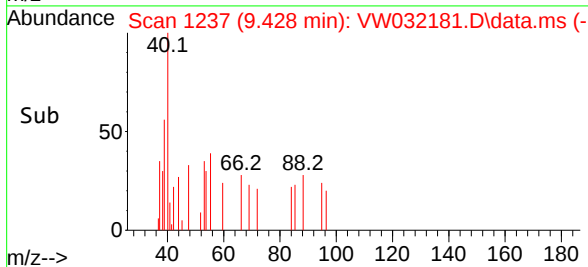
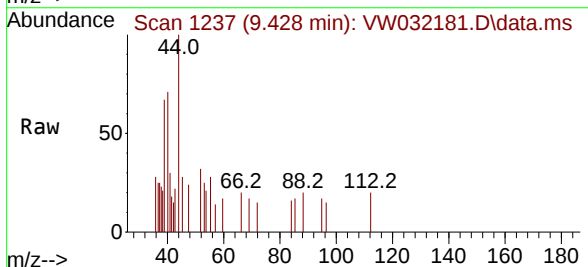


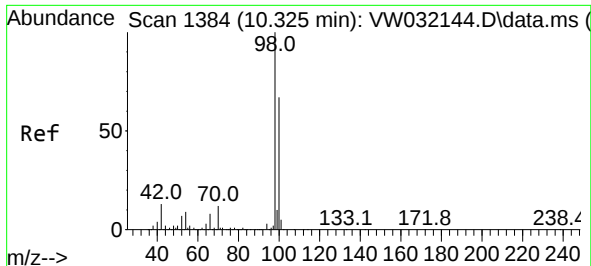
Tgt Ion:117 Resp: 15645
Ion Ratio Lower Upper
117 100
119 6.2 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 4.138 ug/l
RT: 9.428 min Scan# 1237
Delta R.T. -0.031 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 150.0 18.0 27.0#
58 58.6 55.4 83.0

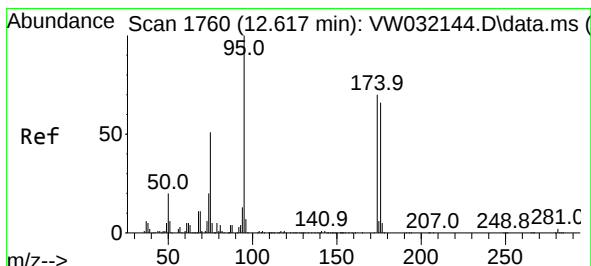
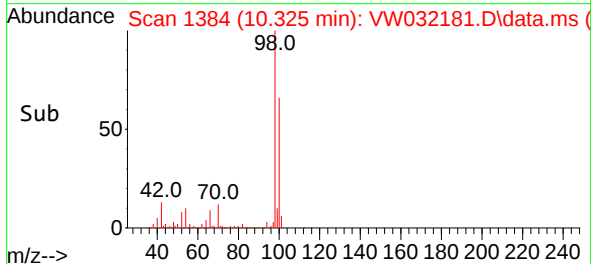
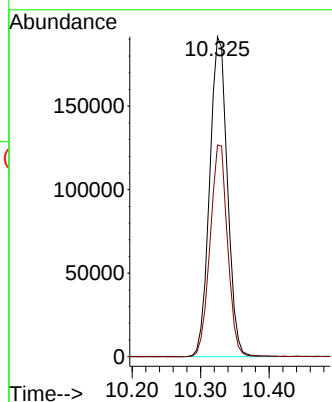
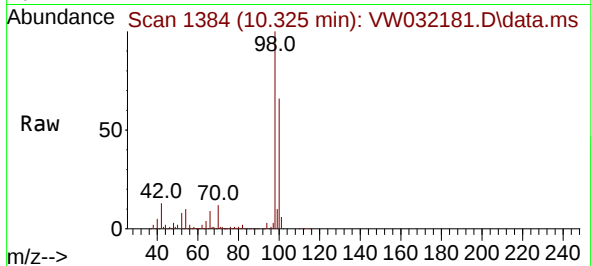




#50
Toluene-d8
Concen: 47.632 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

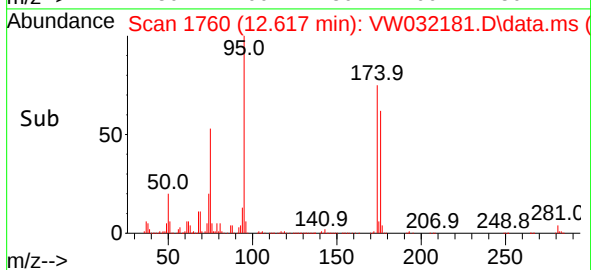
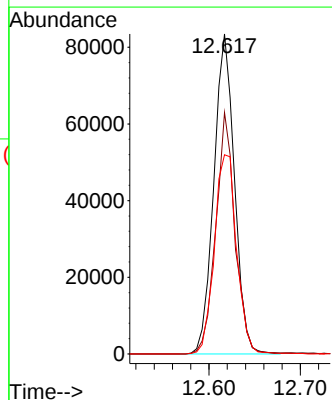
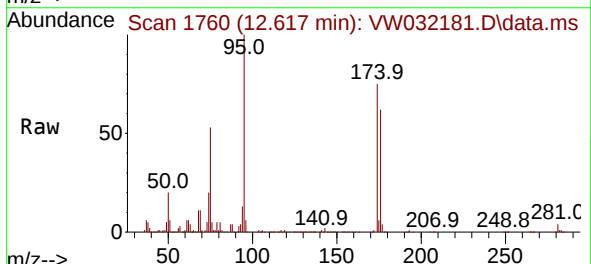
Instrument :
MSVOA_W
ClientSampleId :

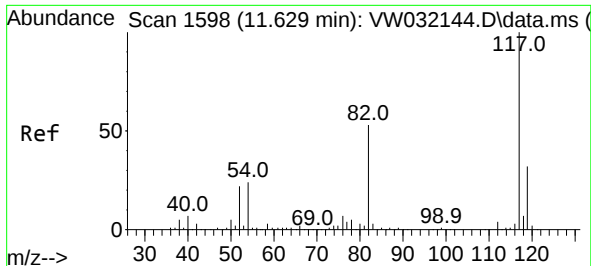
Tgt Ion: 98 Resp: 345492
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.742 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

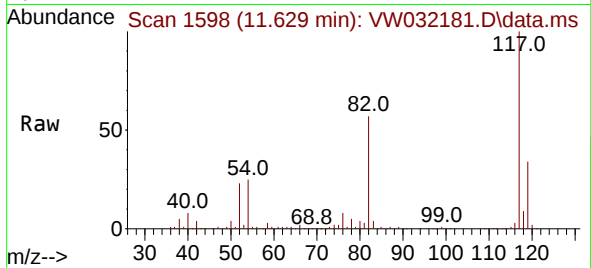
Tgt Ion: 95 Resp: 130734
Ion Ratio Lower Upper
95 100
174 70.5 0.0 145.6
176 67.6 0.0 140.8



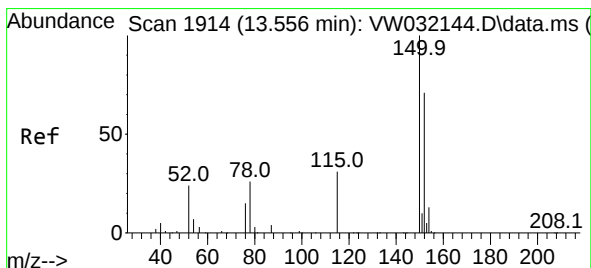
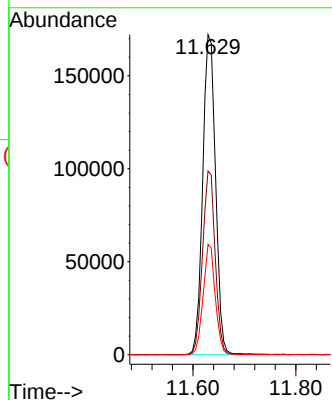
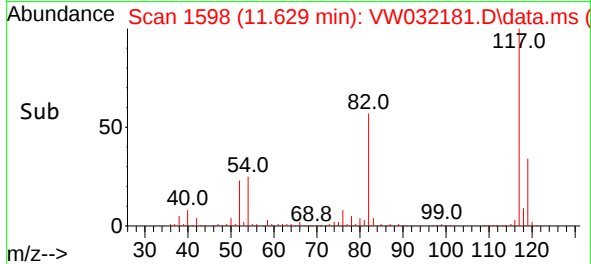


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

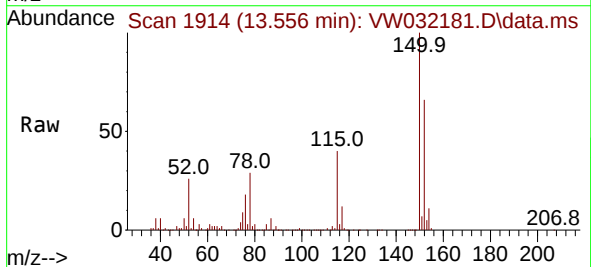
Instrument :
MSVOA_W
ClientSampleId :



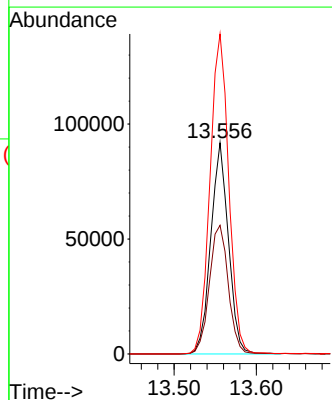
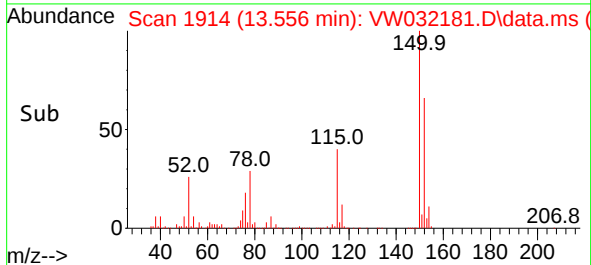
Tgt Ion:117 Resp: 298600
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 34.5 25.2 37.8

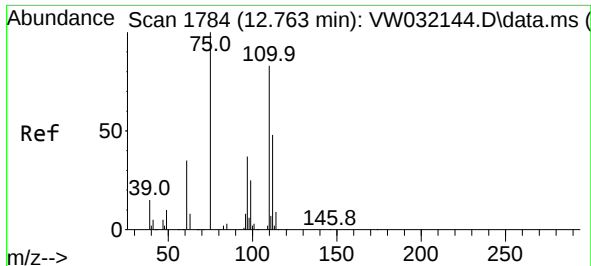


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32



Tgt Ion:152 Resp: 137186
Ion Ratio Lower Upper
152 100
115 65.5 31.8 95.4
150 160.5 0.0 343.0

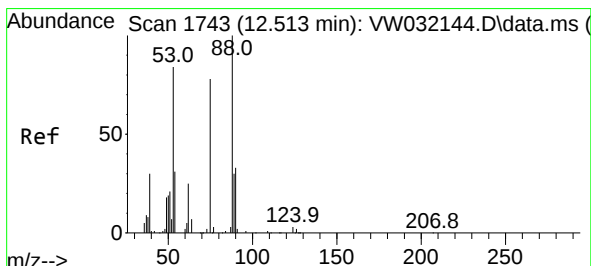
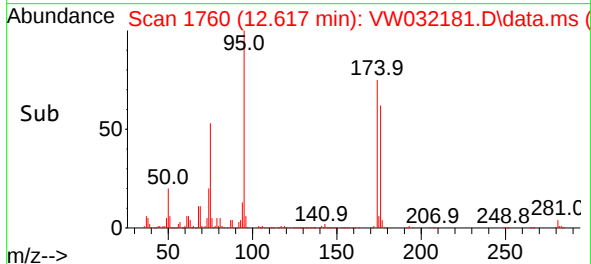
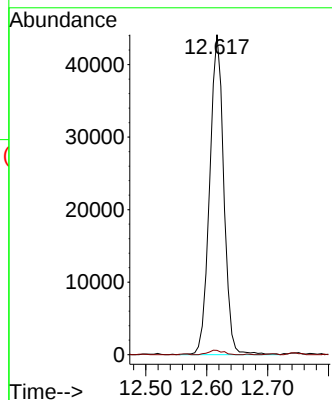
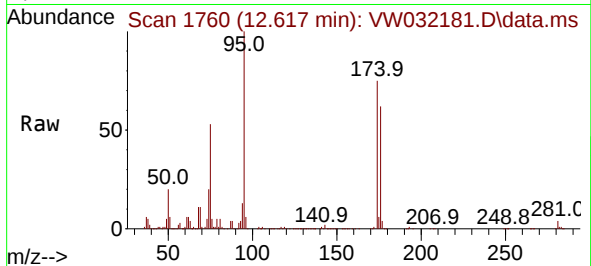




#76
1,2,3-Trichloropropane
Concen: 41.278 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 70944
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.141 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032181.D
Acq: 17 Sep 2025 11:32

Tgt Ion: 75 Resp: 70944
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.2 39.4 59.2#

