

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032367.D
 Acq On : 06 Oct 2025 18:08
 Operator : SY/MD
 Sample : Q3297-11
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:51:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

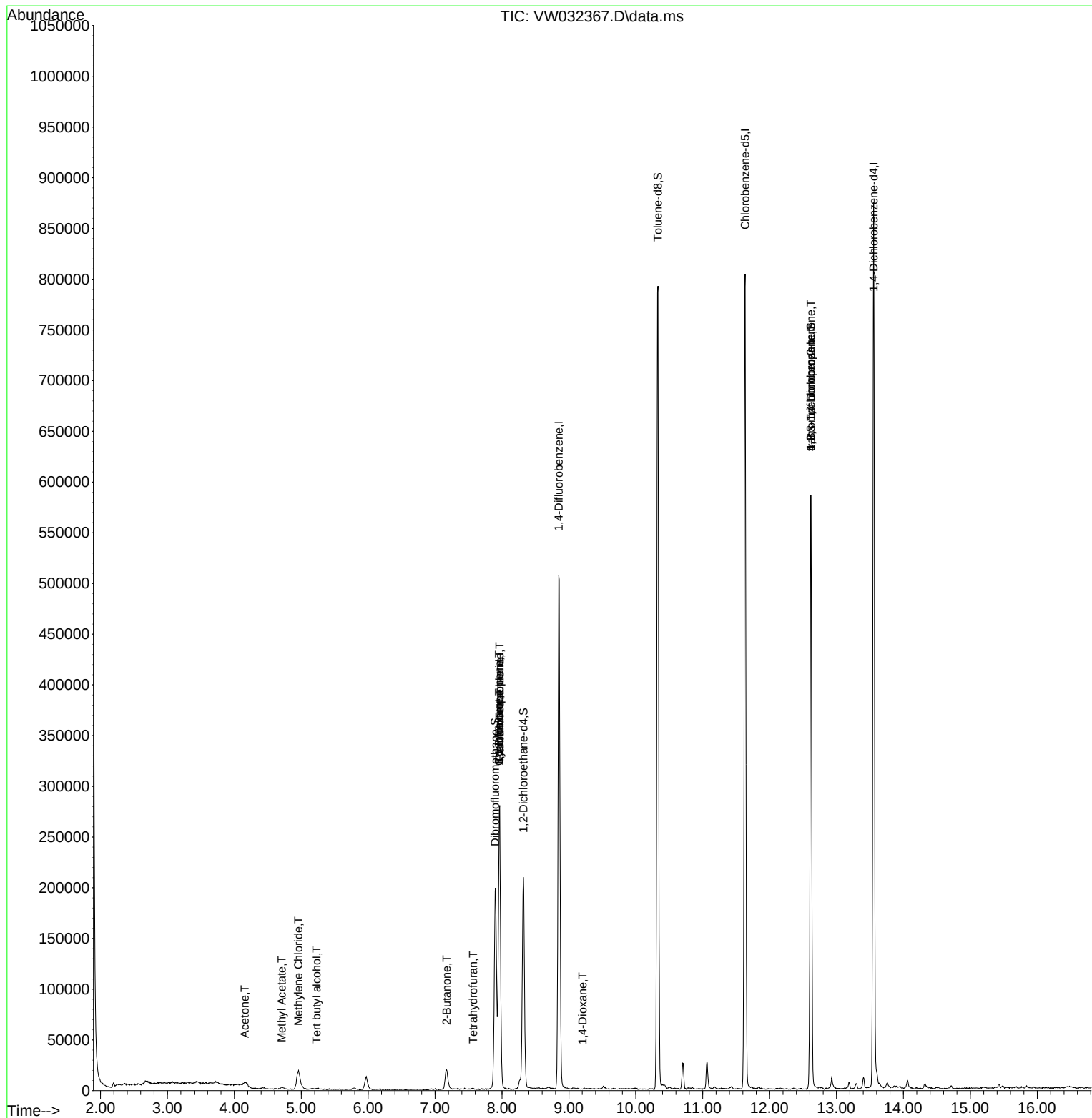
Internal Standards						
1) Pentafluorobenzene	7.965	168	191576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	427640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	437403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	223112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	173670	62.153	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 124.300%			
35) Dibromofluoromethane	7.898	113	147259	53.173	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.340%			
50) Toluene-d8	10.331	98	539544	52.786	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.617	95	209155	54.138	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.228	59	507	2.397	ug/l #	91
16) Acetone	4.155	43	4416	5.708	ug/l	99
18) Methyl Acetate	4.710	43	3858	1.741	ug/l #	50
20) Methylene Chloride	4.960	84	16239	1.113	ug/l	90
25) 2-Butanone	7.173	43	1476	1.401	ug/l #	48
29) Tetrahydrofuran	7.569	42	804	1.213	ug/l #	41
31) Cyclohexane	7.959	56	5115	1.300	ug/l #	16
36) 1,1-Dichloropropene	7.959	75	18431	4.716	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21715	5.904	ug/l #	19
49) 1,4-Dioxane	9.203	88	45	1.751	ug/l #	24
76) 1,2,3-Trichloropropane	12.617	75	104257	35.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	104257	89.955	ug/l #	5

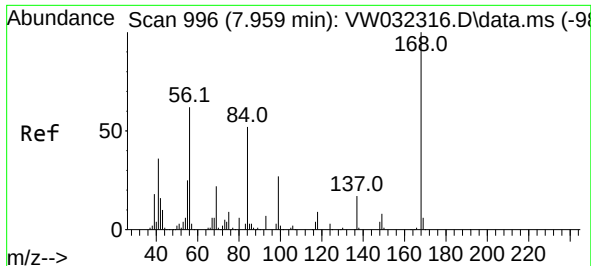
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 02 21:24:16 2025
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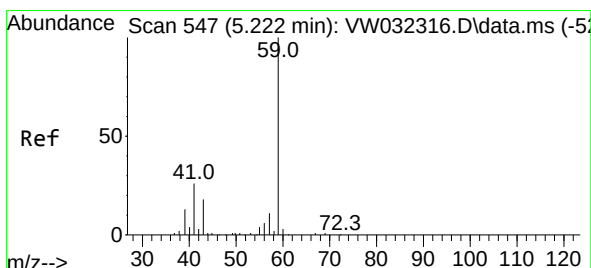
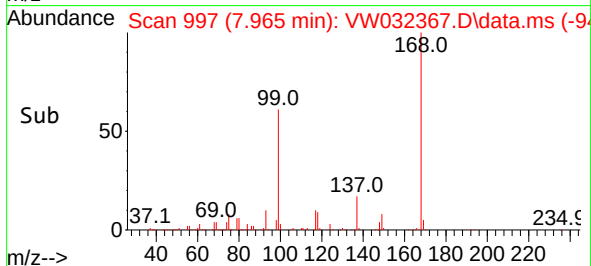
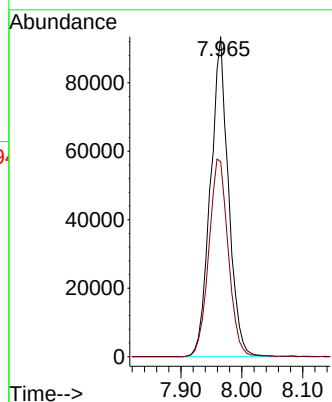
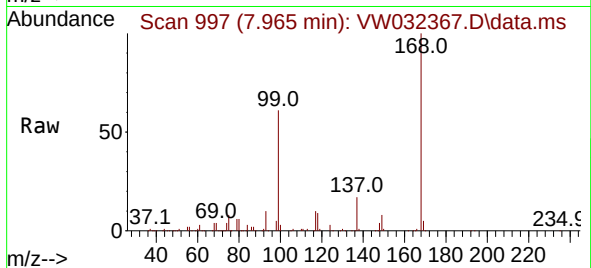




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

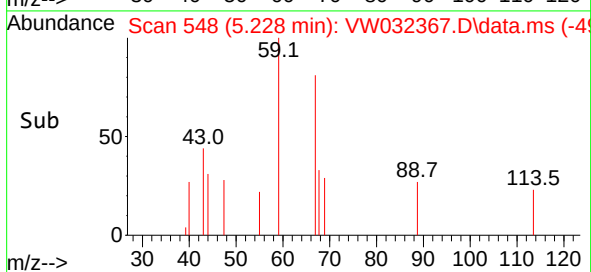
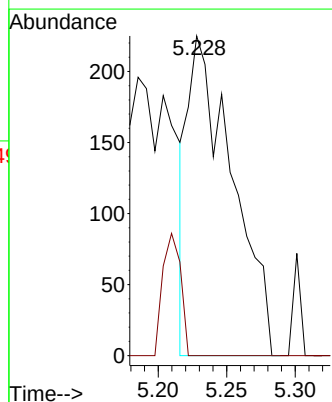
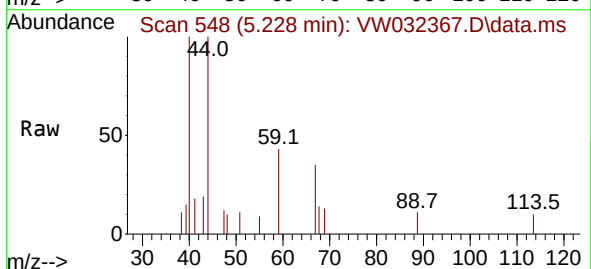
Instrument :
MSVOA_W
ClientSampleId :

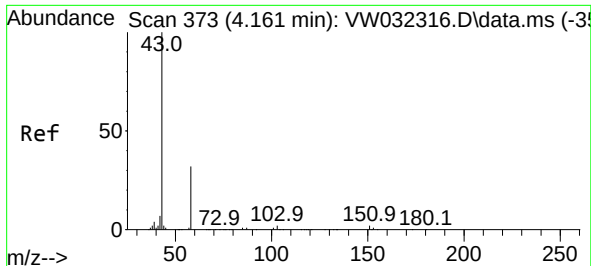
Tgt Ion:168 Resp: 191576
Ion Ratio Lower Upper
168 100
99 60.9 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.397 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 15.6 9.8 14.6#

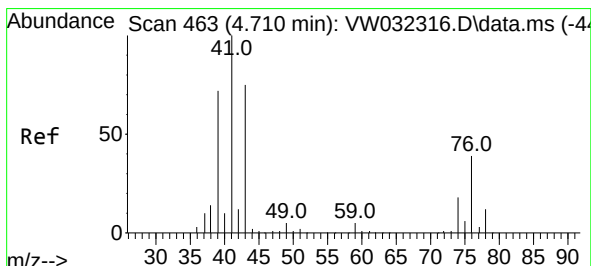
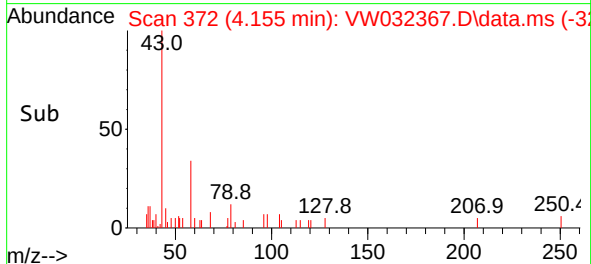
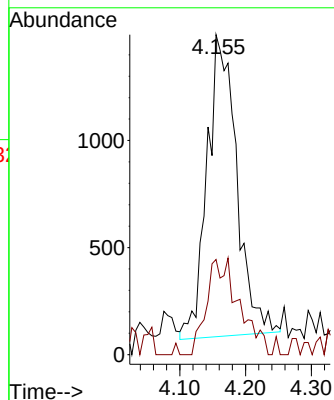
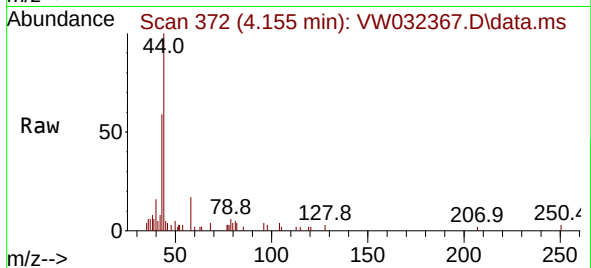




#16
Acetone
Concen: 5.708 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

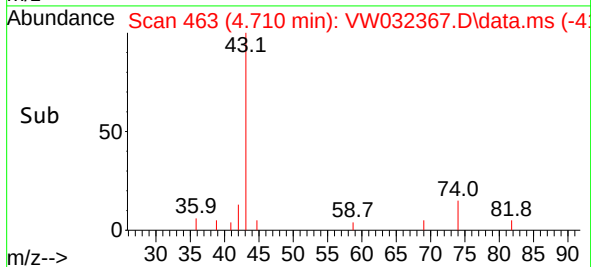
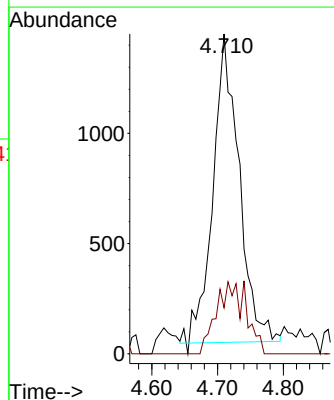
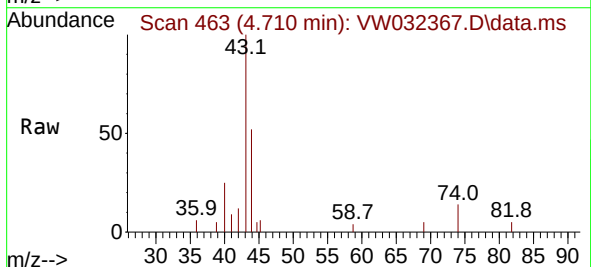
Instrument :
MSVOA_W
ClientSampleId :

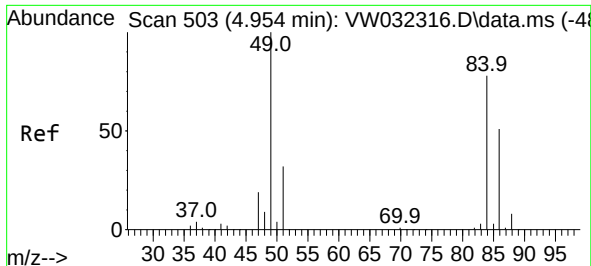
Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
58 32.0 25.3 37.9



#18
Methyl Acetate
Concen: 1.741 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

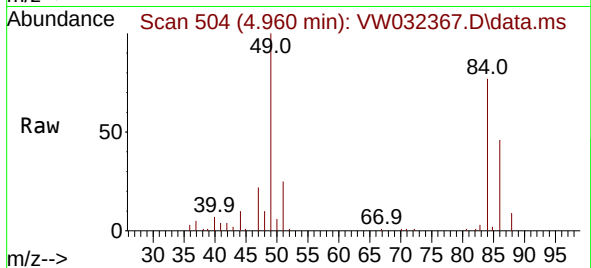
Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



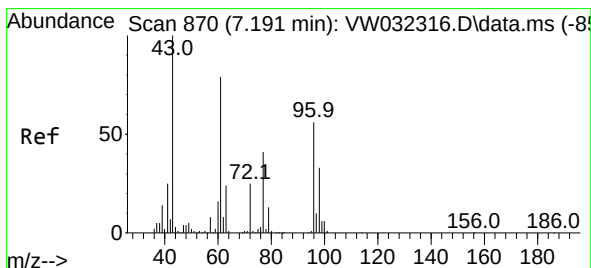
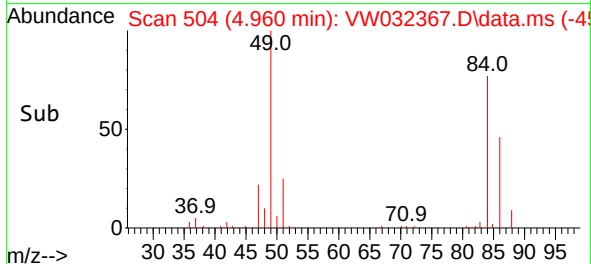
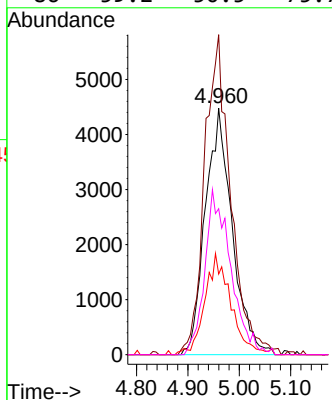


#20
Methylene Chloride
Concen: 1.113 ug/l
RT: 4.960 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Instrument :
MSVOA_W
ClientSampleId :

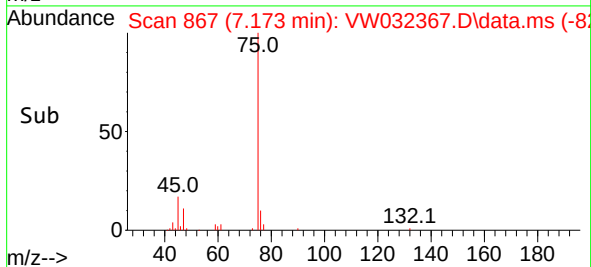
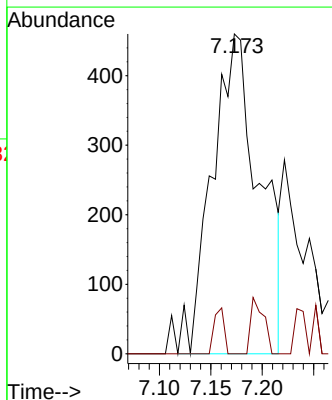
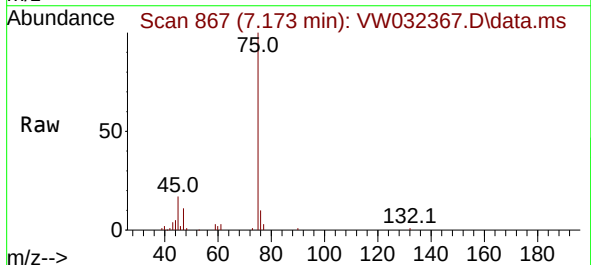


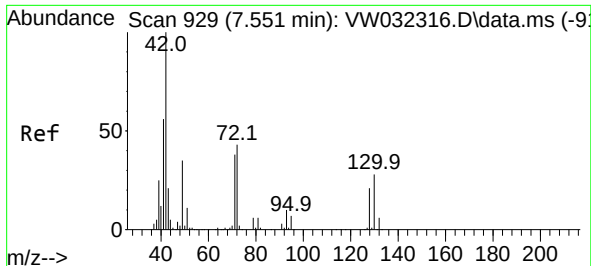
Tgt Ion:	84	Resp:	16239
Ion	Ratio	Lower	Upper
84	100		
49	129.8	92.2	138.4
51	32.7	31.0	46.6
86	59.2	50.5	75.7



#25
2-Butanone
Concen: 1.401 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion:	43	Resp:	1476
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#





#29

Tetrahydrofuran

Concen: 1.213 ug/l

RT: 7.569 min Scan# 91

Delta R.T. 0.018 min

Lab File: VW032367.D

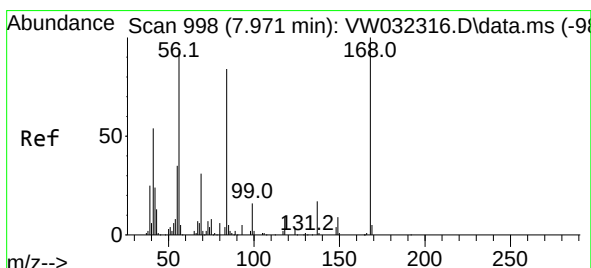
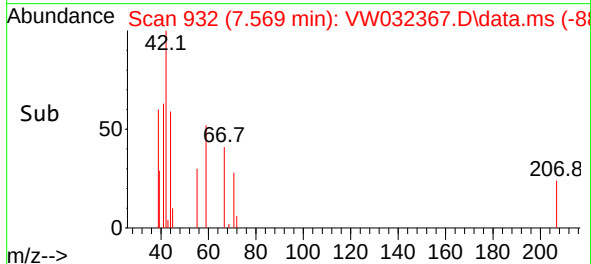
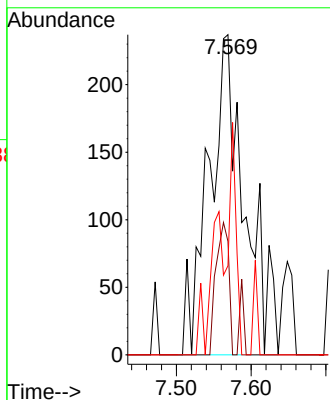
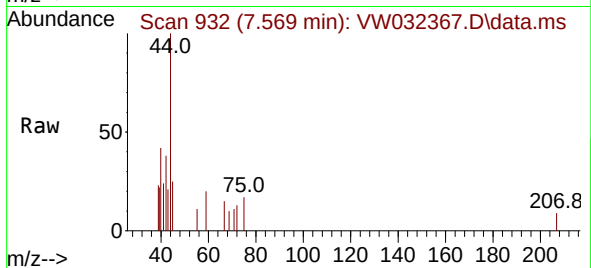
Acq: 06 Oct 2025 18:08

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	42	Resp:	804
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.2#
71	14.2	36.0	54.0#



#31

Cyclohexane

Concen: 1.300 ug/l

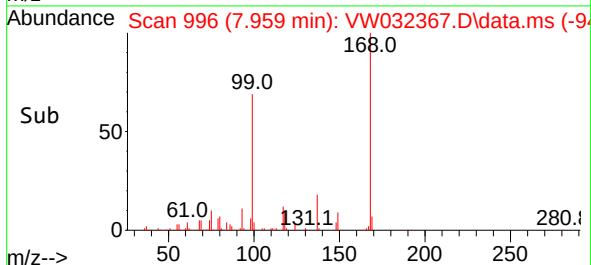
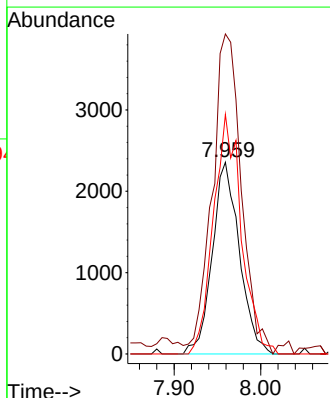
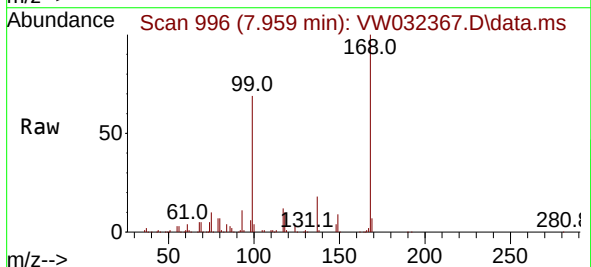
RT: 7.959 min Scan# 996

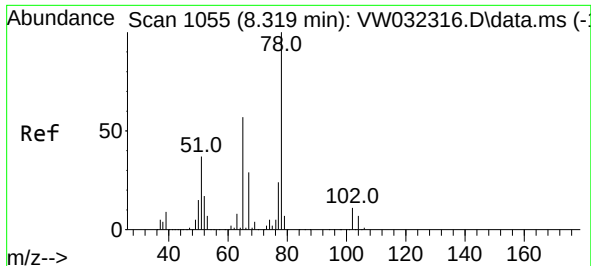
Delta R.T. -0.012 min

Lab File: VW032367.D

Acq: 06 Oct 2025 18:08

Tgt Ion:	56	Resp:	5115
Ion	Ratio	Lower	Upper
56	100		
69	162.5	27.7	41.5#
84	125.0	74.6	112.0#





#33

1,2-Dichloroethane-d4

Concen: 62.153 ug/l

RT: 8.319 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW032367.D

Acq: 06 Oct 2025 18:08

Instrument :

MSVOA_W

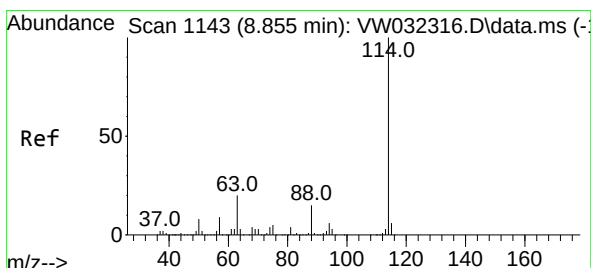
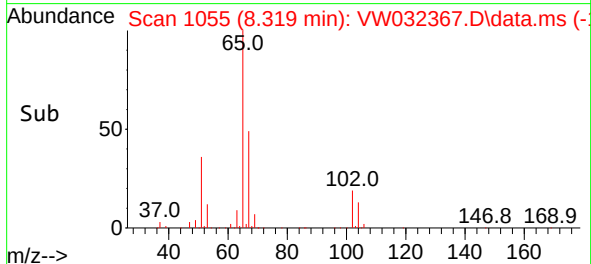
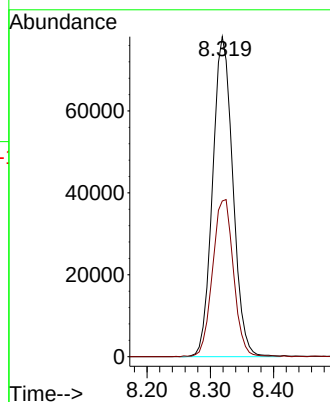
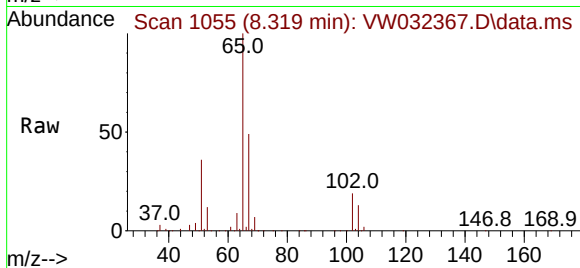
ClientSampleId :

Tgt Ion: 65 Resp: 173670

Ion Ratio Lower Upper

65 100

67 50.8 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: VW032367.D

Acq: 06 Oct 2025 18:08

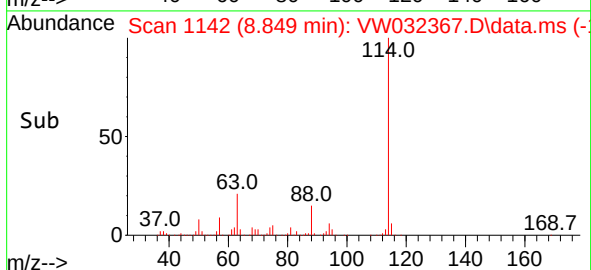
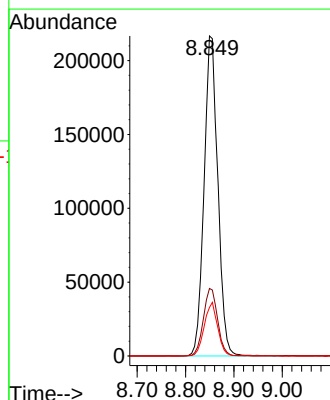
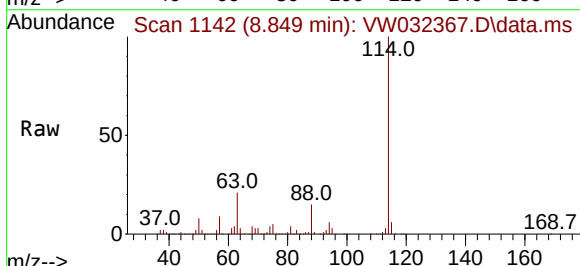
Tgt Ion: 114 Resp: 427640

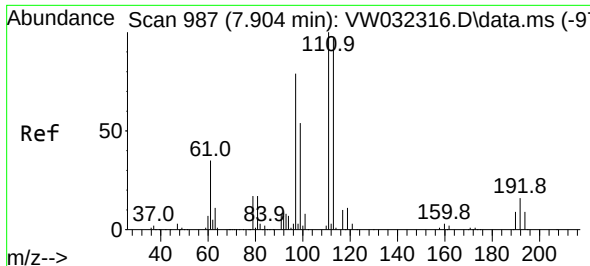
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 15.1 0.0 32.0

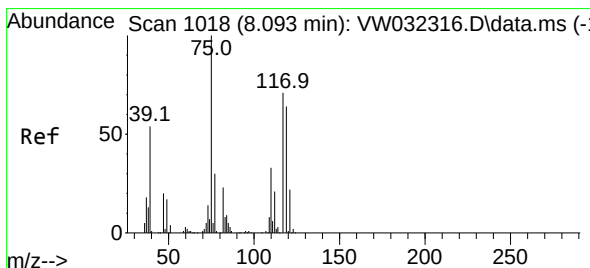
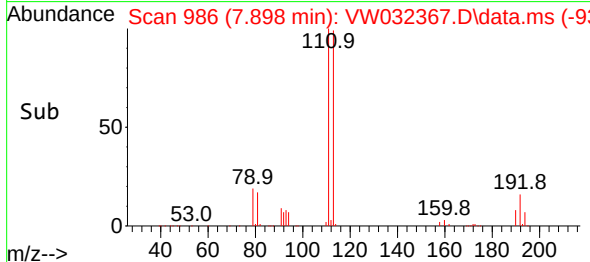
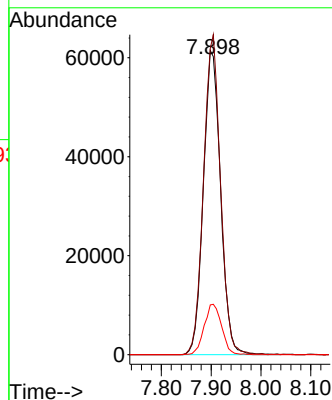
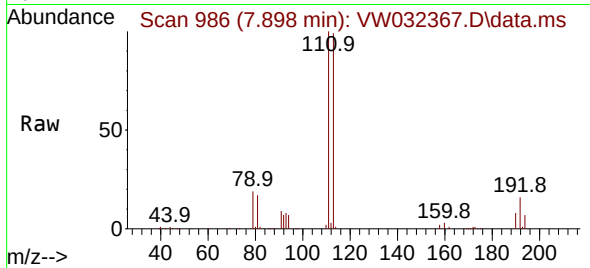




#35
Dibromofluoromethane
Concen: 53.173 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

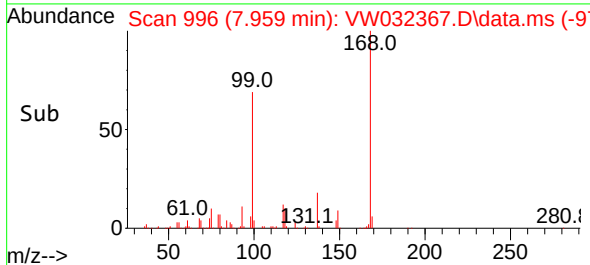
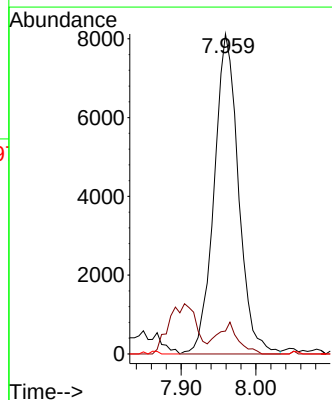
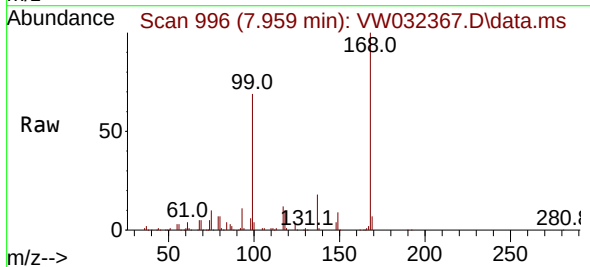
Instrument :
MSVOA_W
ClientSampleId :

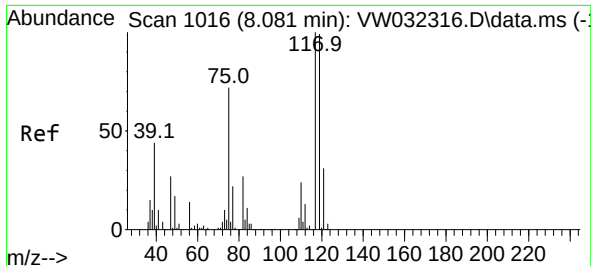
Tgt Ion:113 Resp: 147259
Ion Ratio Lower Upper
113 100
111 103.6 83.9 125.9
192 16.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

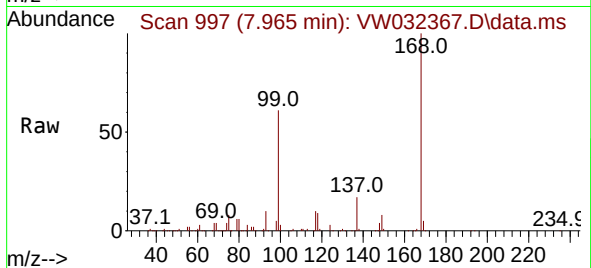
Tgt Ion: 75 Resp: 18431
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.1 36.1#



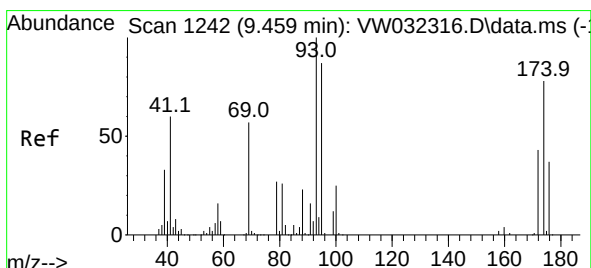
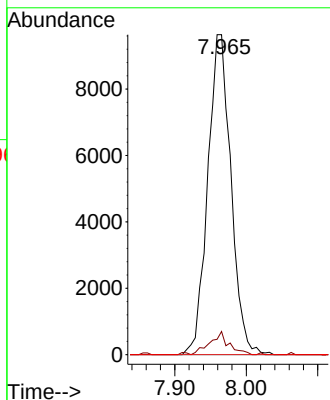
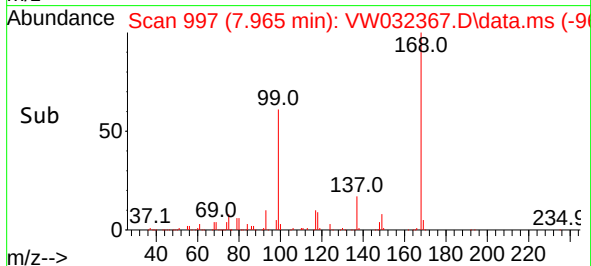


#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.122 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Instrument :
MSVOA_W
ClientSampleId :

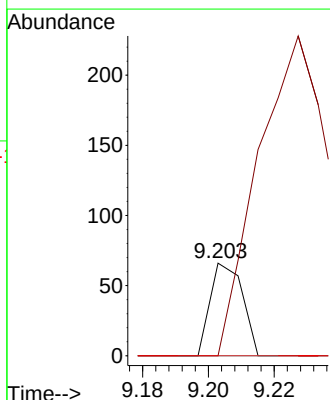
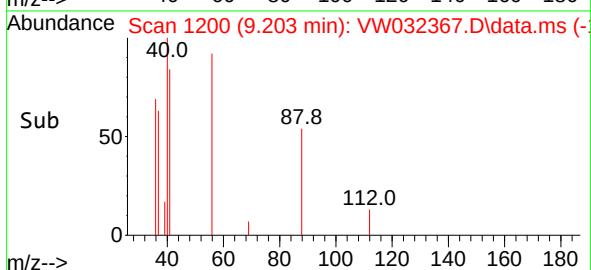
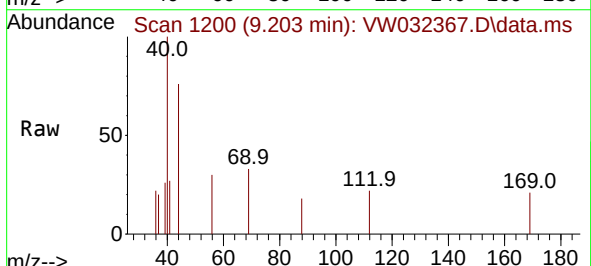


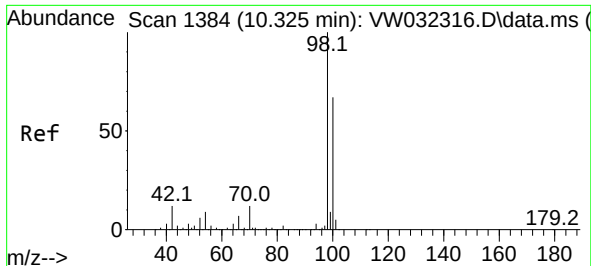
Tgt Ion:117 Resp: 21715
Ion Ratio Lower Upper
117 100
119 7.2 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 1.751 ug/l
RT: 9.203 min Scan# 1200
Delta R.T. -0.256 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 18.0 27.0#
58 0.0 55.4 83.0#

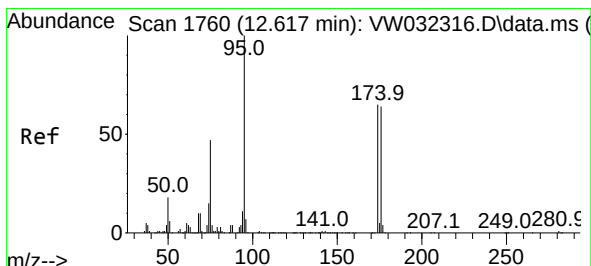
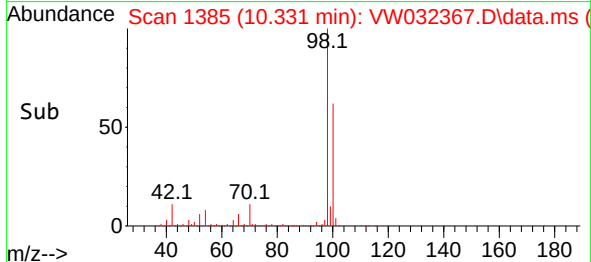
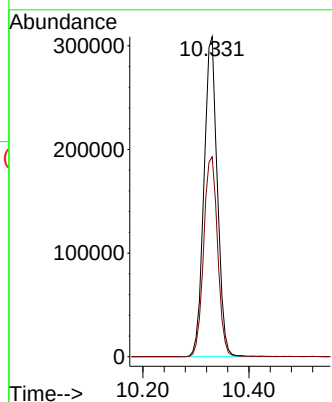
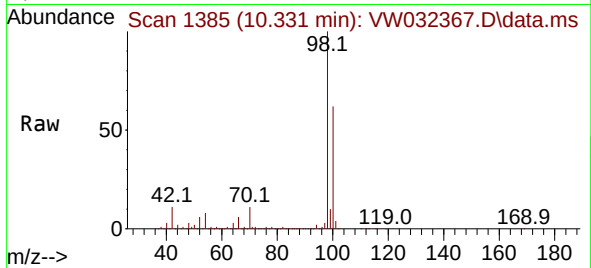




#50
Toluene-d8
Concen: 52.786 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

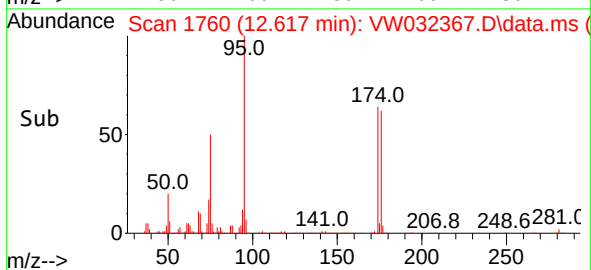
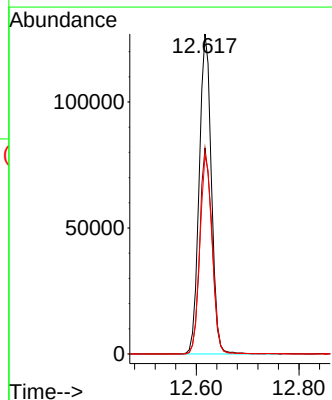
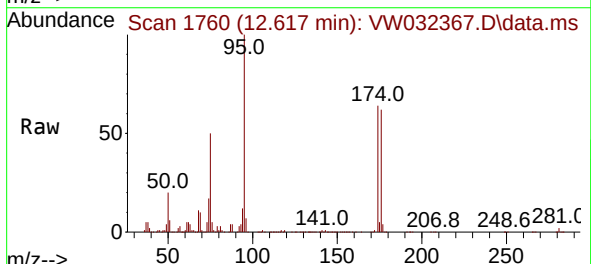
Instrument :
MSVOA_W
ClientSampleId :

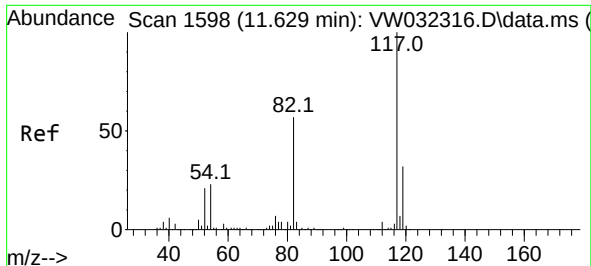
Tgt Ion: 98 Resp: 539544
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 54.138 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

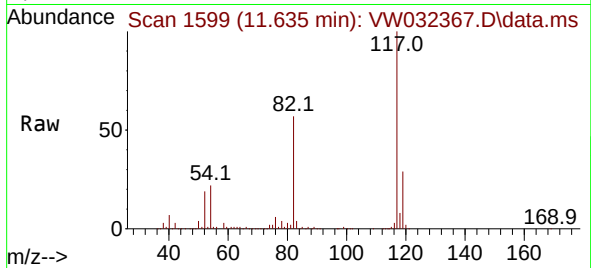
Tgt Ion: 95 Resp: 209155
Ion Ratio Lower Upper
95 100
174 64.3 0.0 145.6
176 62.8 0.0 140.8



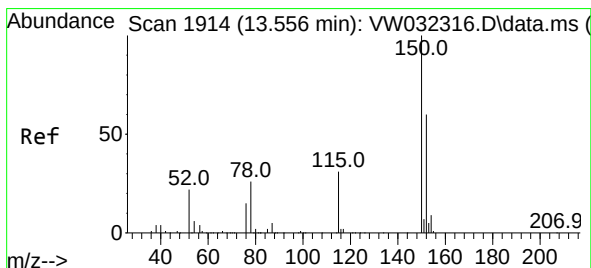
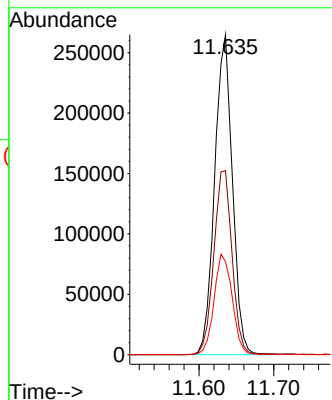
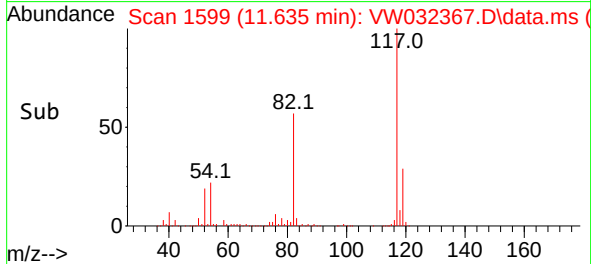


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Instrument :
MSVOA_W
ClientSampleId :

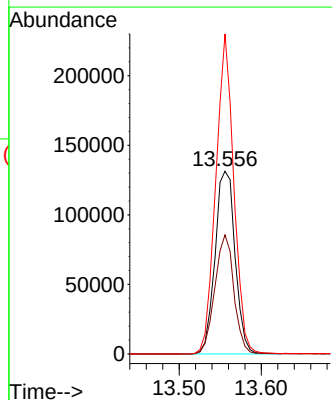
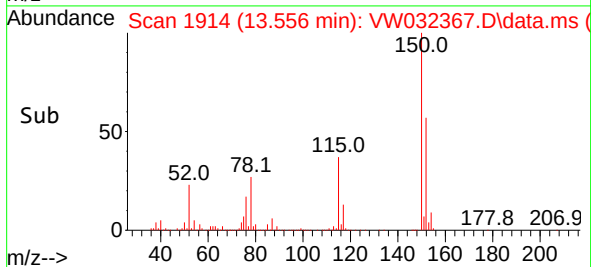
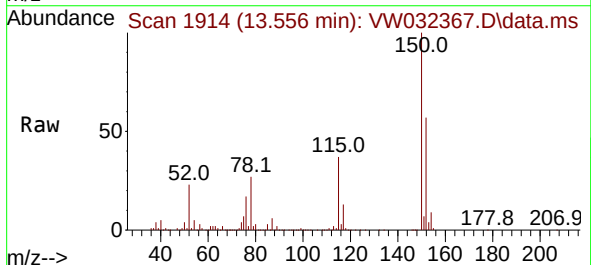


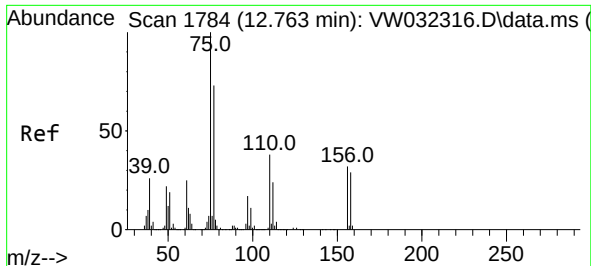
Tgt Ion:117 Resp: 437403
Ion Ratio Lower Upper
117 100
82 57.5 42.7 64.1
119 29.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion:152 Resp: 223112
Ion Ratio Lower Upper
152 100
115 61.9 31.8 95.4
150 156.8 0.0 343.0

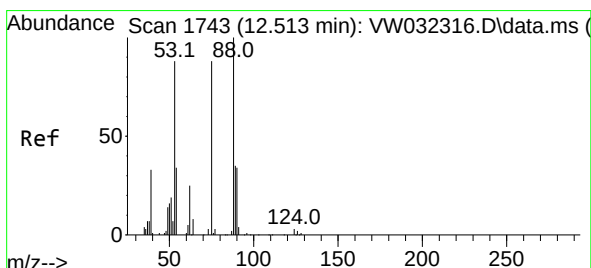
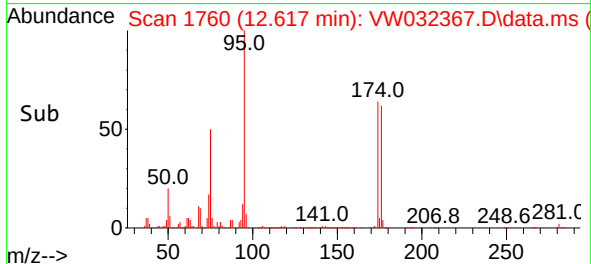
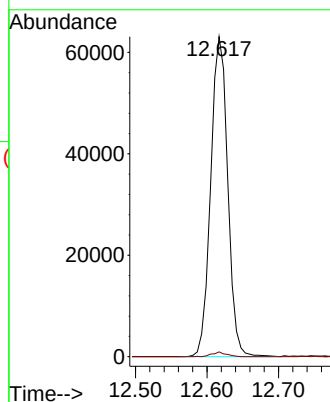
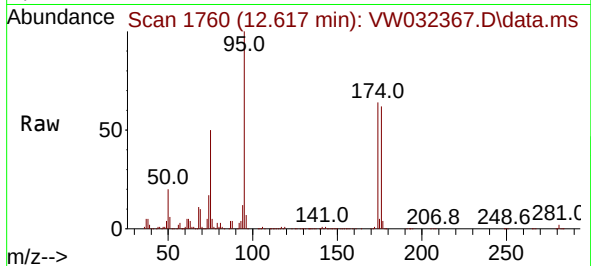




#76
1,2,3-Trichloropropane
Concen: 35.509 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 104257
Ion Ratio Lower Upper
75 100
77 1.2 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.955 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion: 75 Resp: 104257
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.0 39.4 59.2#

