

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032102.D
 Acq On : 14 Aug 2025 18:25
 Operator : SY/MD
 Sample : Q2820-19
 Misc : 9.63g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:56:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

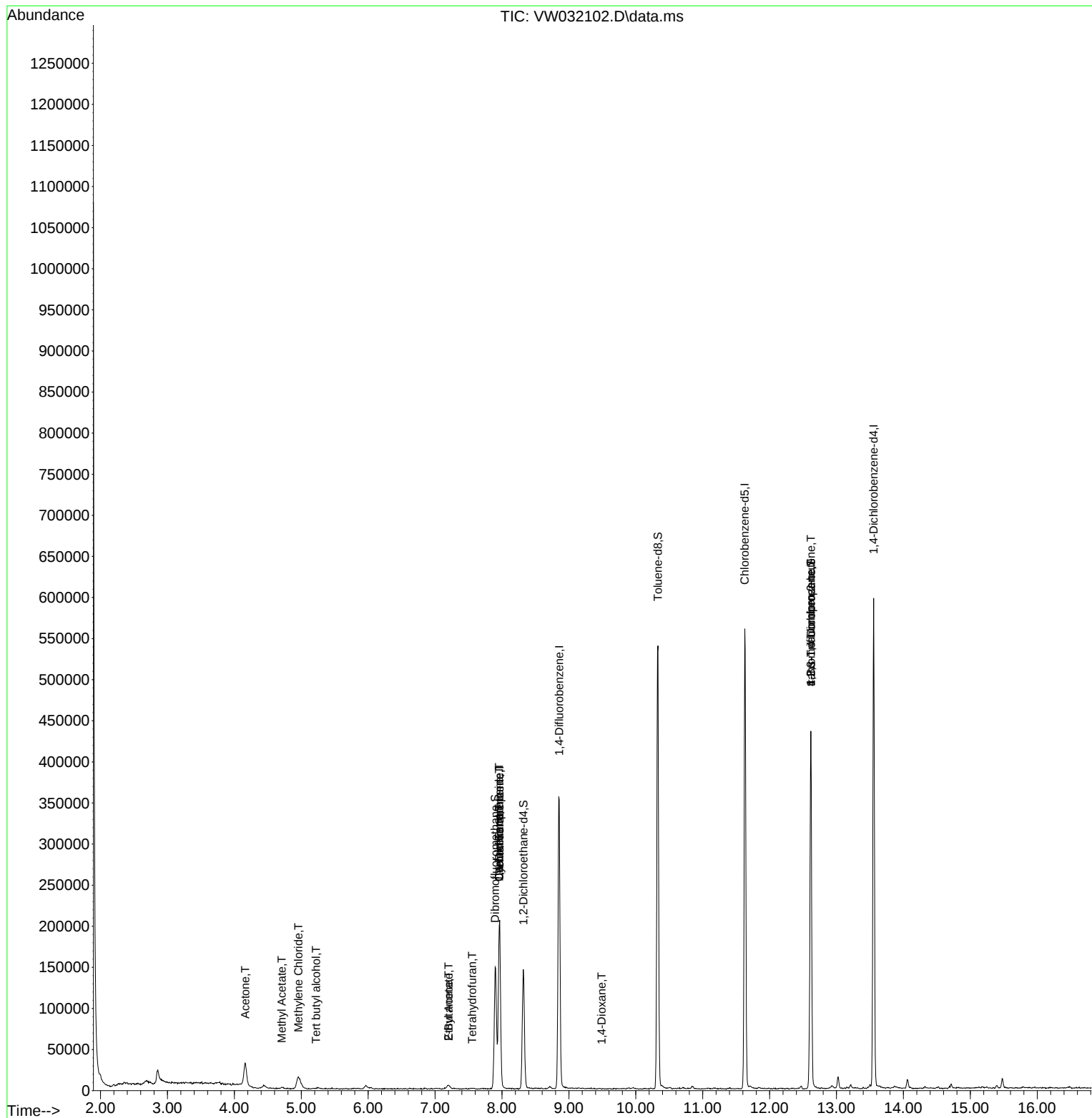
Internal Standards						
1) Pentafluorobenzene	7.965	168	140101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	295249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	289791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	144659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120615	59.526	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.060%		
35) Dibromofluoromethane	7.898	113	104033	54.541	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.080%		
50) Toluene-d8	10.331	98	354368	50.229	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.460%		
62) 4-Bromofluorobenzene	12.617	95	130042	50.019	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 100.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	707	5.388	ug/l #	50
16) Acetone	4.161	43	47189	100.588	ug/l	90
18) Methyl Acetate	4.710	43	2780	1.873	ug/l #	86
20) Methylene Chloride	4.960	84	14172	6.534	ug/l	94
25) 2-Butanone	7.203	43	6261	9.390	ug/l	94
29) Tetrahydrofuran	7.557	42	583	1.326	ug/l #	64
31) Cyclohexane	7.959	56	4416	1.529	ug/l #	40
36) 1,1-Dichloropropene	7.959	75	13007	4.837	ug/l #	52
37) Ethyl Acetate	7.203	43	6261	3.953	ug/l #	70
38) Carbon Tetrachloride	7.959	117	16965	6.538	ug/l #	19
49) 1,4-Dioxane	9.490	88	20	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	74329	37.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	74329	98.011	ug/l #	10

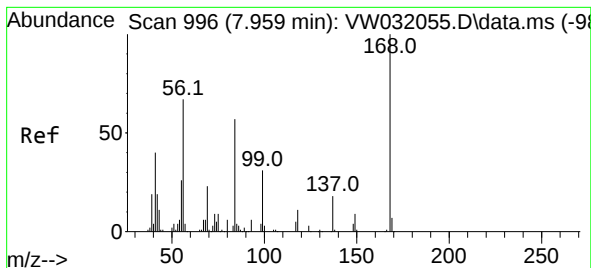
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 996

Delta R.T. 0.006 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

Instrument :

MSVOA_W

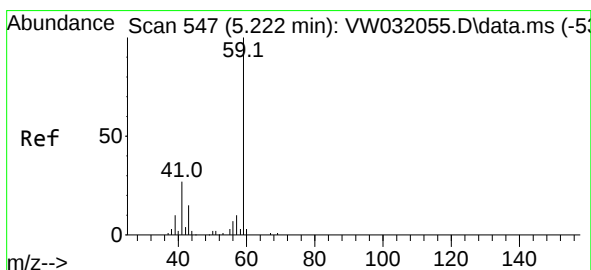
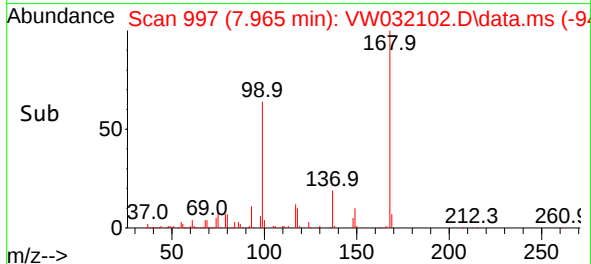
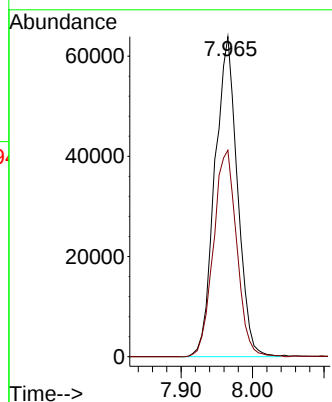
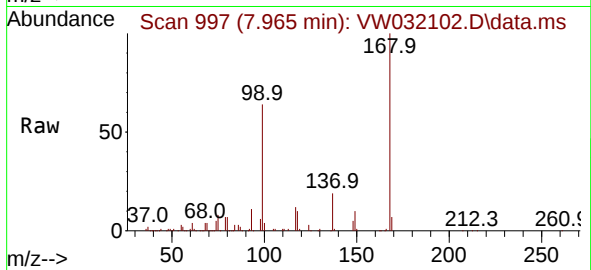
ClientSampleId :

Tgt Ion:168 Resp: 140101

Ion Ratio Lower Upper

168 100

99 64.5 56.0 84.0



#11

Tert butyl alcohol

Concen: 5.388 ug/l

RT: 5.222 min Scan# 547

Delta R.T. 0.000 min

Lab File: VW032102.D

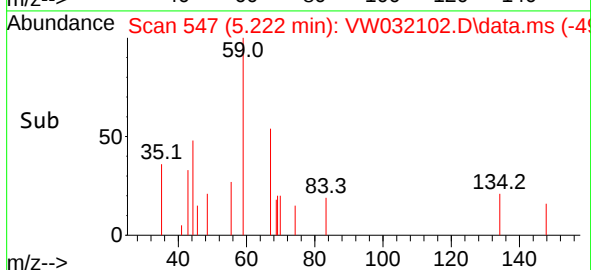
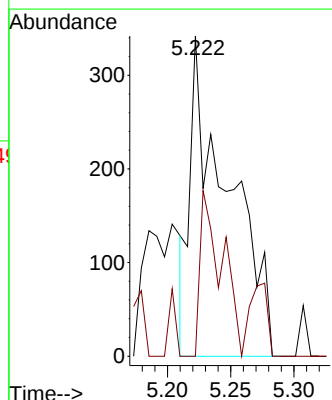
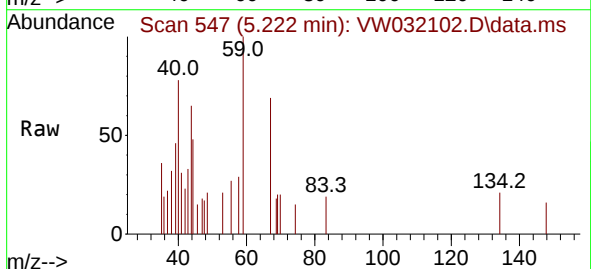
Acq: 14 Aug 2025 18:25

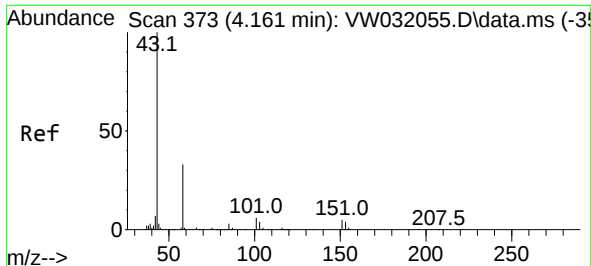
Tgt Ion: 59 Resp: 707

Ion Ratio Lower Upper

59 100

57 29.8 8.7 13.1#

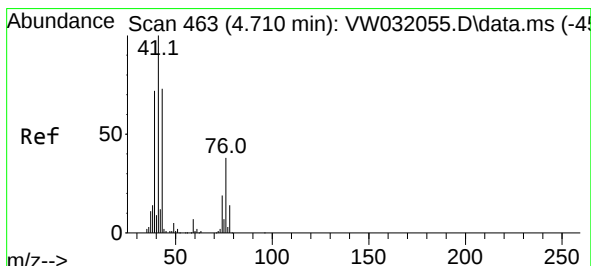
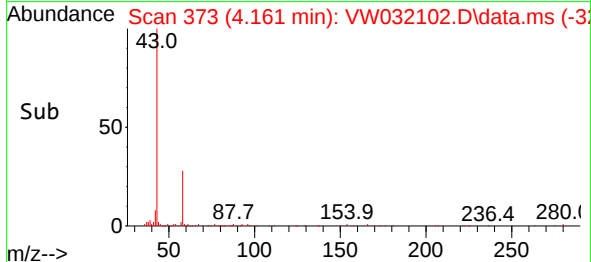
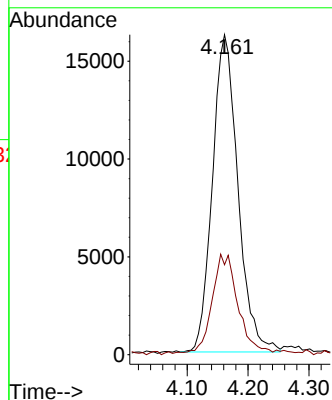
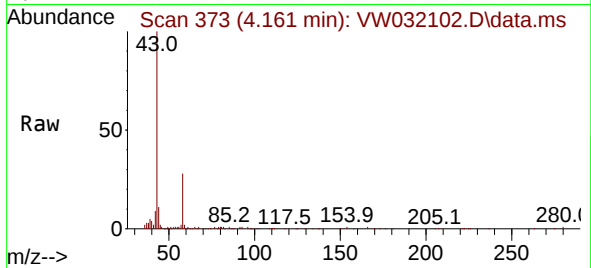




#16
Acetone
Concen: 100.588 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

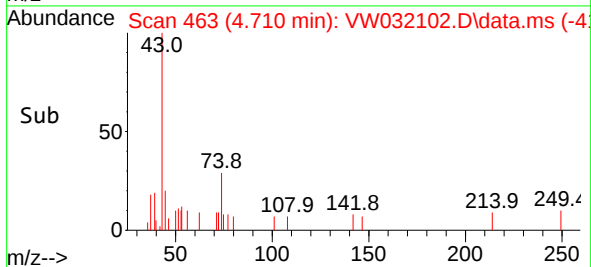
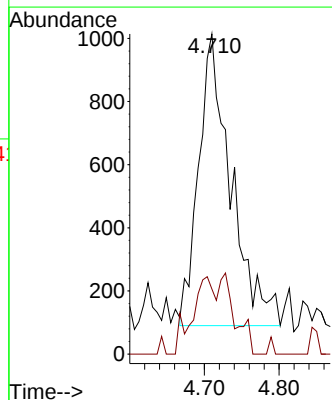
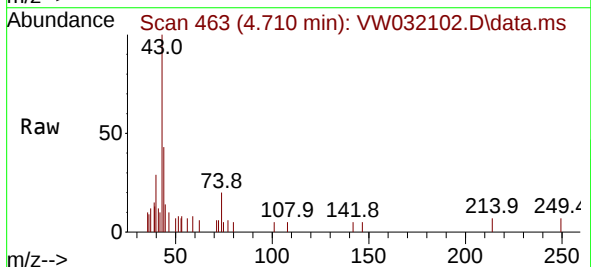
Instrument :
MSVOA_W
ClientSampleId :

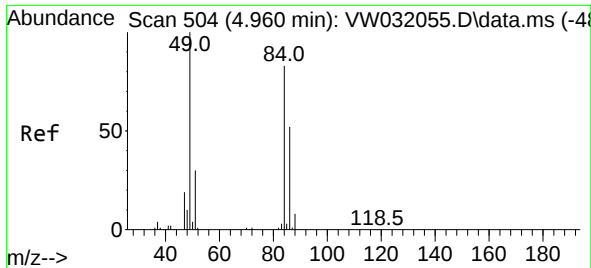
Tgt Ion: 43 Resp: 47189
Ion Ratio Lower Upper
43 100
58 27.6 26.6 39.8



#18
Methyl Acetate
Concen: 1.873 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
74 18.9 20.6 31.0#

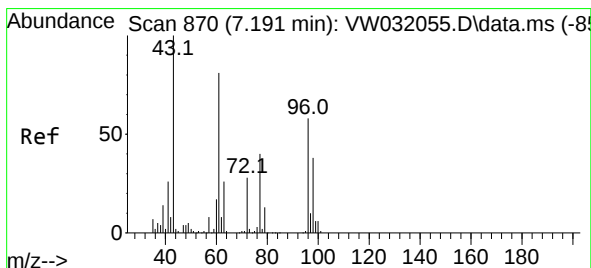
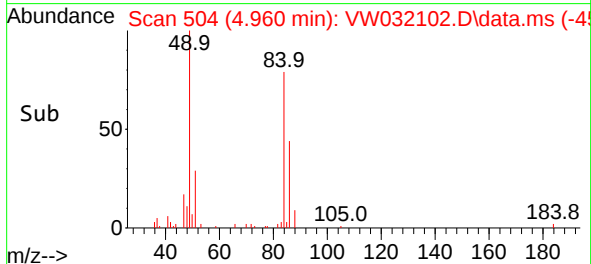
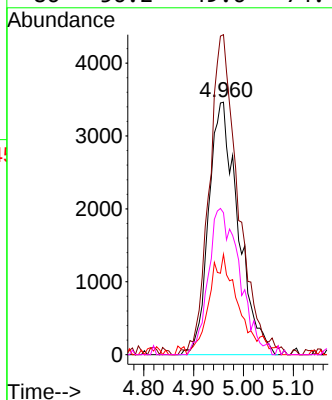
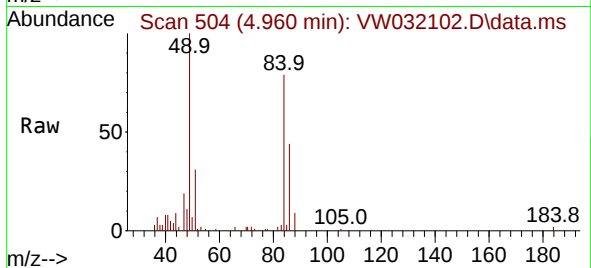




#20
Methylene Chloride
Concen: 6.534 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

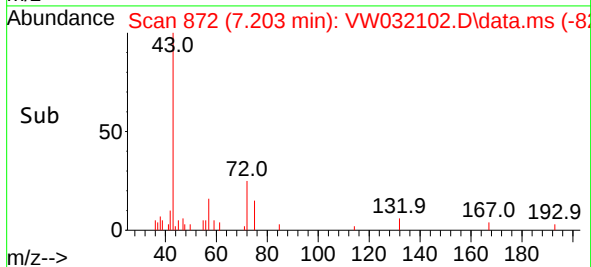
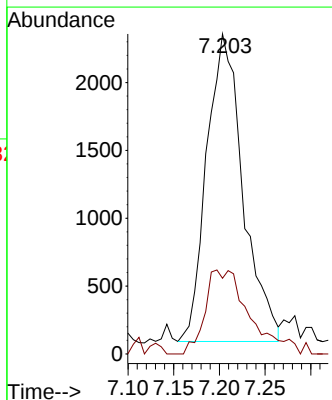
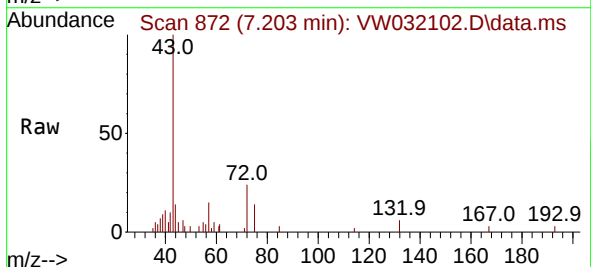
Instrument :
MSVOA_W
ClientSampleId :

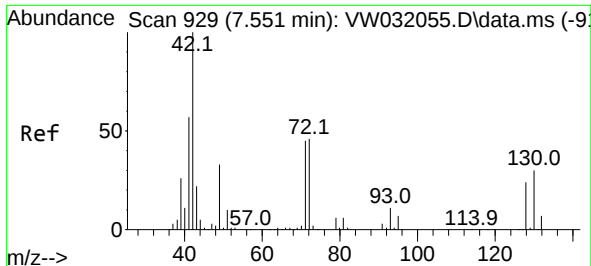
Tgt Ion:	84	Resp:	14172
Ion	Ratio	Lower	Upper
84	100		
49	126.8	95.9	143.9
51	36.3	28.6	43.0
86	56.2	49.6	74.4



#25
2-Butanone
Concen: 9.390 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion:	43	Resp:	6261
Ion	Ratio	Lower	Upper
43	100		
72	24.6	22.3	33.5





#29

Tetrahydrofuran

Concen: 1.326 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

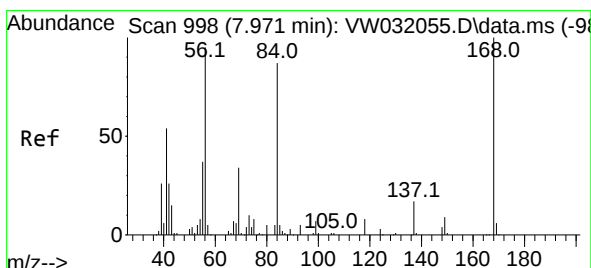
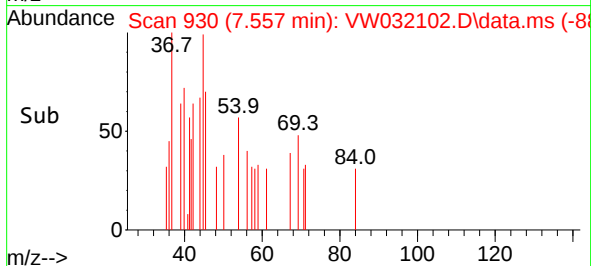
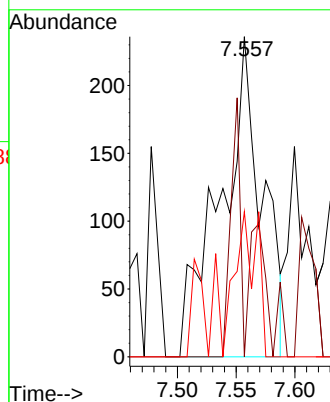
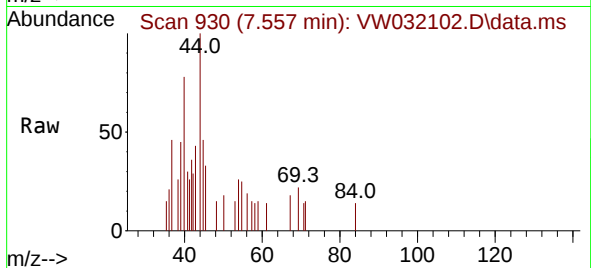
Tgt Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

72 18.2 36.6 55.0#

71 24.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.529 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

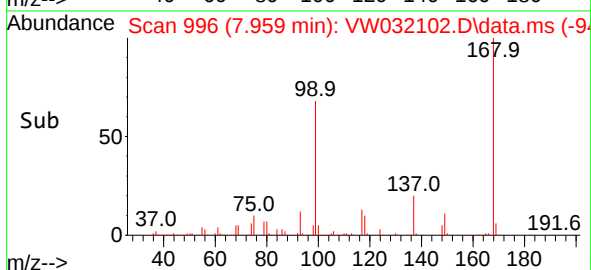
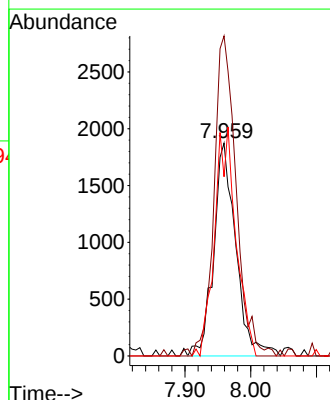
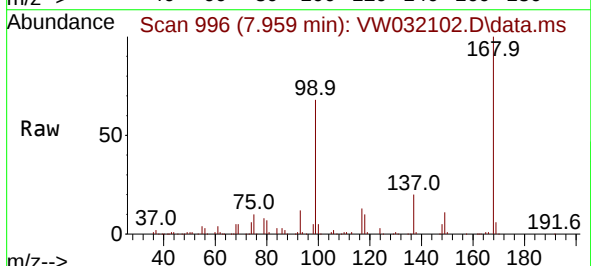
Tgt Ion: 56 Resp: 4416

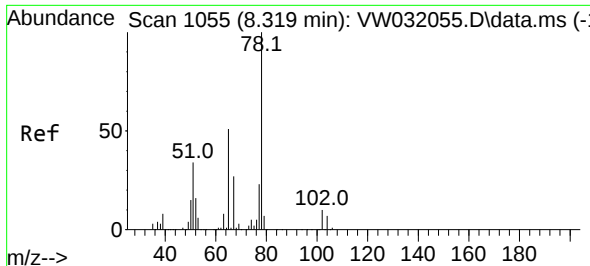
Ion Ratio Lower Upper

56 100

69 150.4 28.6 42.8#

84 84.2 73.0 109.4

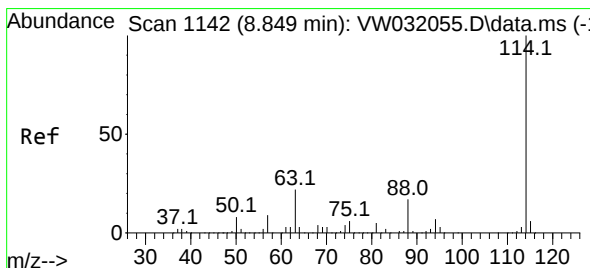
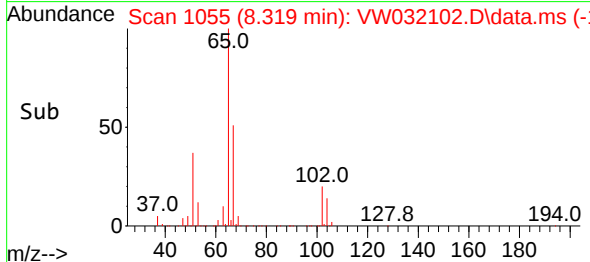
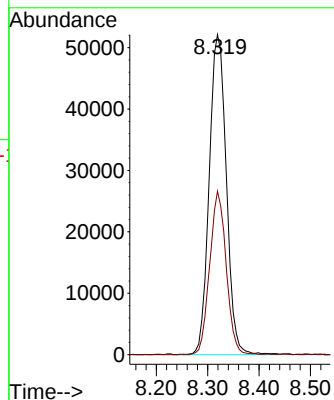
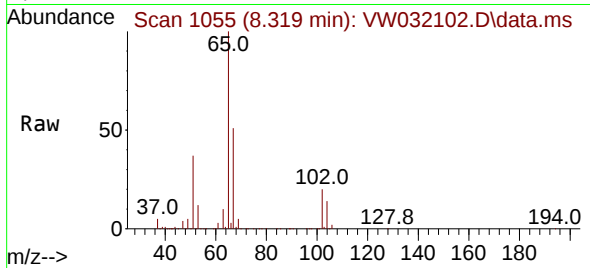




#33
 1,2-Dichloroethane-d4
 Concen: 59.526 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW032102.D
 Acq: 14 Aug 2025 18:25

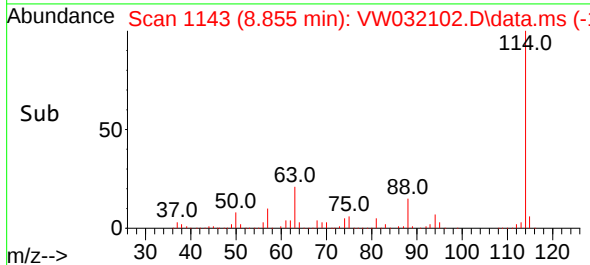
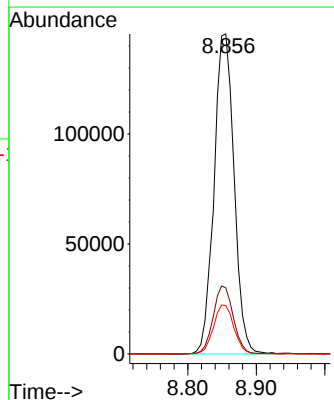
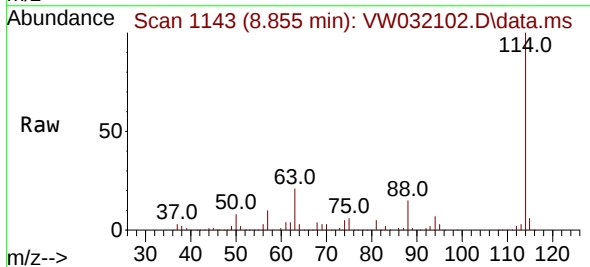
Instrument :
 MSVOA_W
 ClientSampleId :

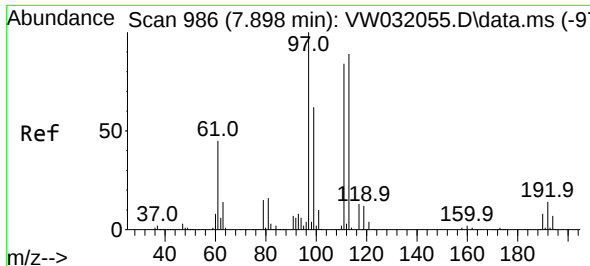
Tgt Ion: 65 Resp: 120615
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032102.D
 Acq: 14 Aug 2025 18:25

Tgt Ion: 114 Resp: 295249
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.0
 88 15.1 0.0 33.8

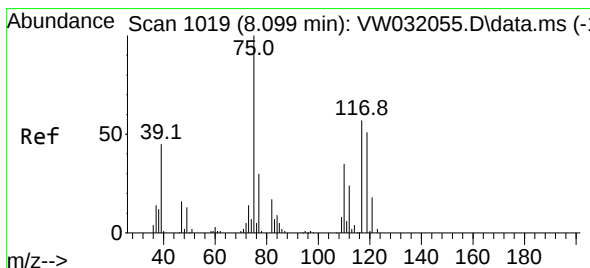
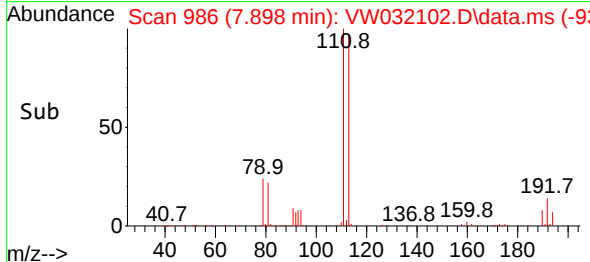
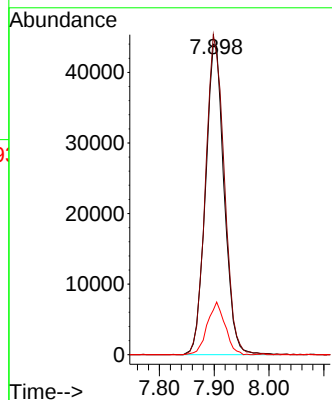
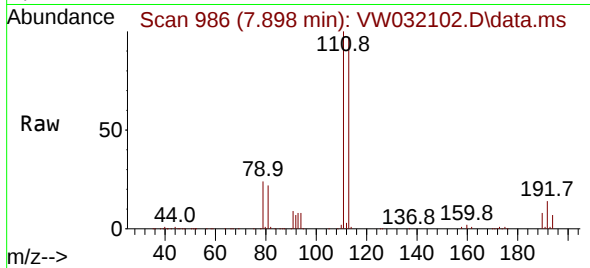




#35
Dibromofluoromethane
Concen: 54.541 ug/l
RT: 7.898 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

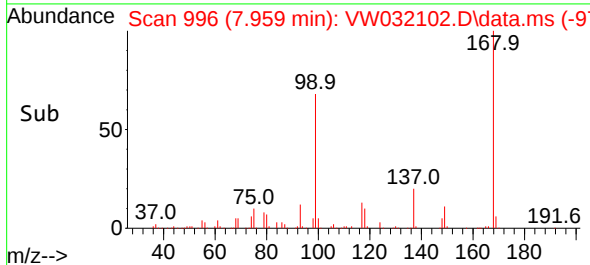
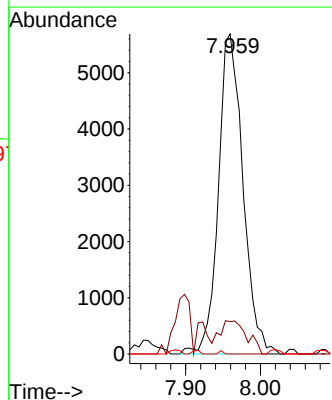
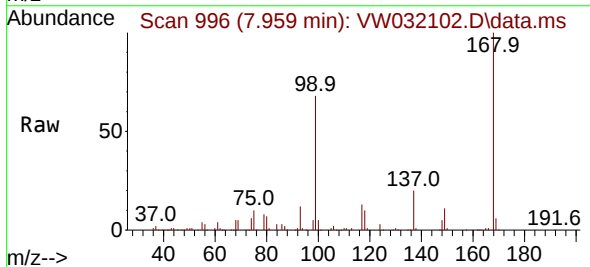
Instrument :
MSVOA_W
ClientSampleId :

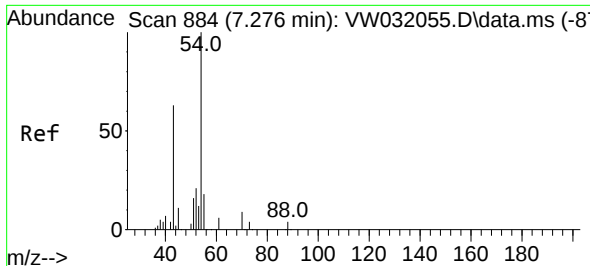
Tgt Ion:113 Resp: 104033
Ion Ratio Lower Upper
113 100
111 103.6 80.1 120.1
192 16.2 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion: 75 Resp: 13007
Ion Ratio Lower Upper
75 100
110 11.6 17.4 52.2#
77 0.2 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.953 ug/l

RT: 7.203 min Scan# 81

Delta R.T. -0.073 min

Lab File: VW032102.D

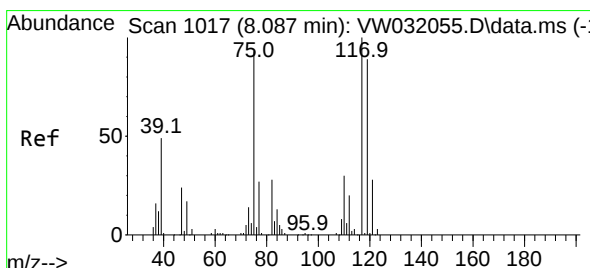
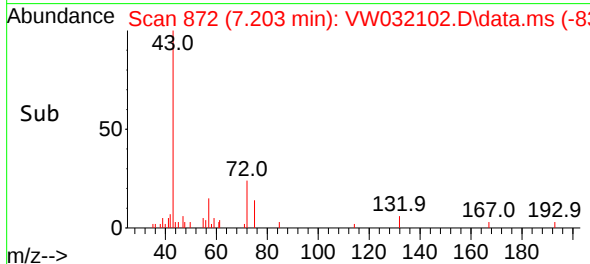
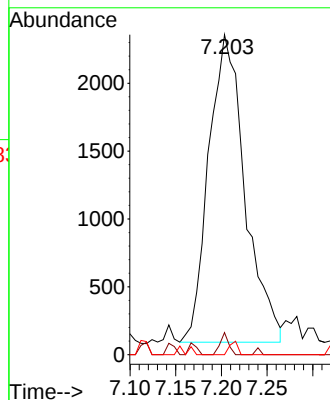
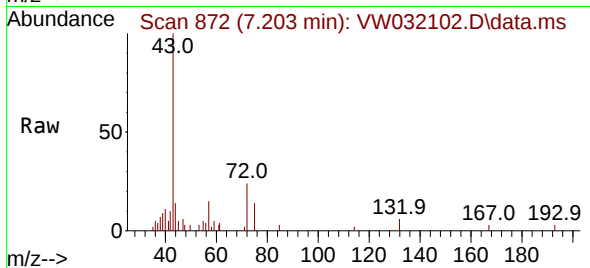
Acq: 14 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	43	Resp:	6261
Ion	Ratio	Lower	Upper
43	100		
61	1.6	11.8	17.6#
70	1.0	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 6.538 ug/l

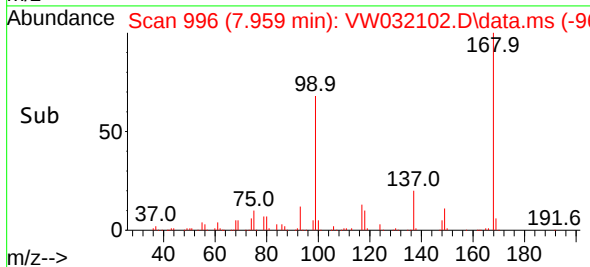
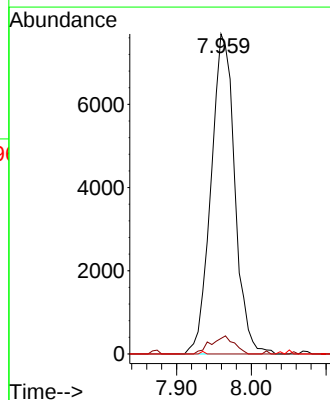
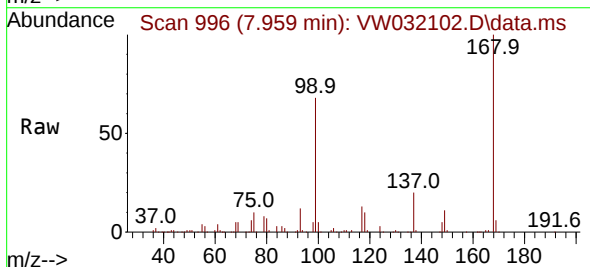
RT: 7.959 min Scan# 996

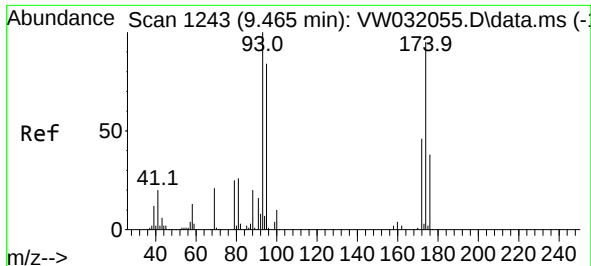
Delta R.T. -0.128 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

Tgt Ion:	117	Resp:	16965
Ion	Ratio	Lower	Upper
117	100		
119	4.8	71.4	107.2#
121	0.0	22.3	33.5#





#49

1,4-Dioxane

Concen: 1.187 ug/l

RT: 9.490 min Scan# 11

Delta R.T. 0.024 min

Lab File: VW032102.D

Acq: 14 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

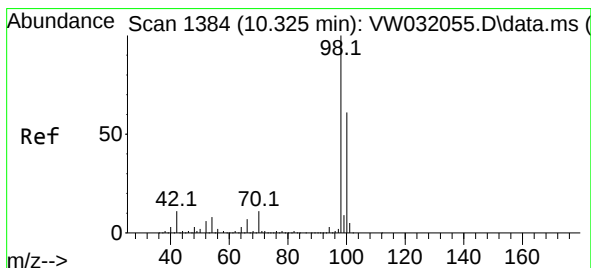
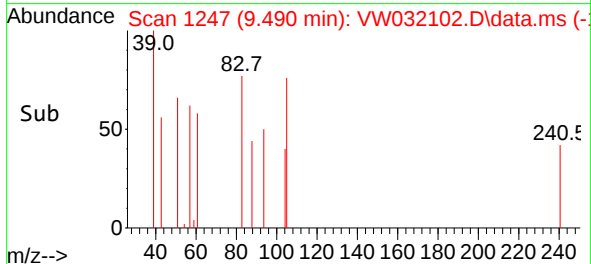
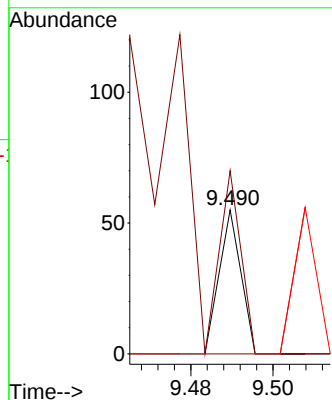
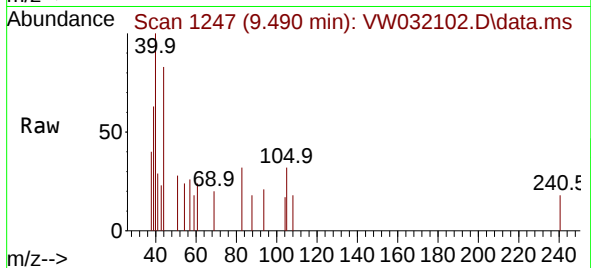
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 865.0 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 50.229 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032102.D

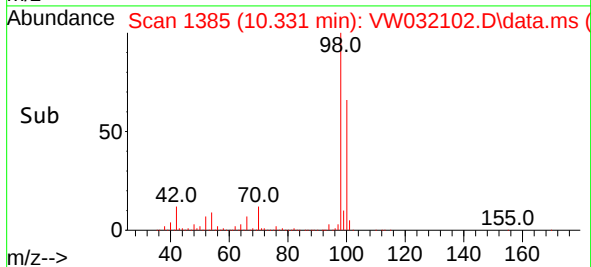
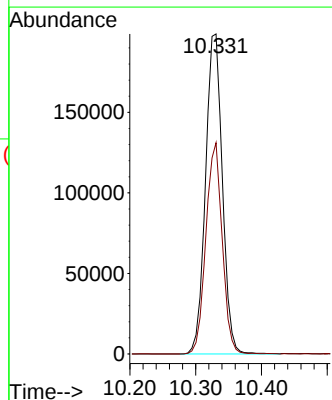
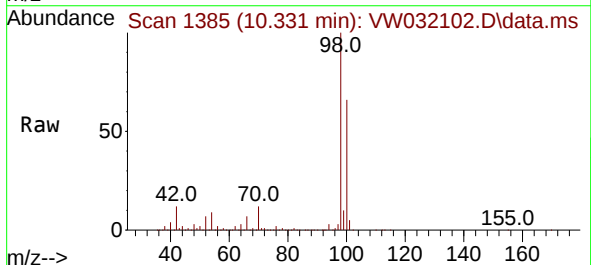
Acq: 14 Aug 2025 18:25

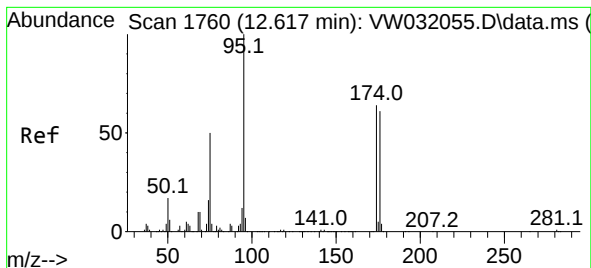
Tgt Ion: 98 Resp: 354368

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7

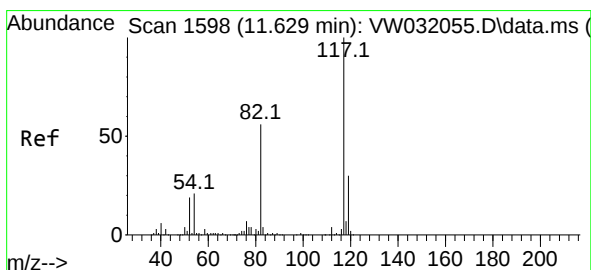
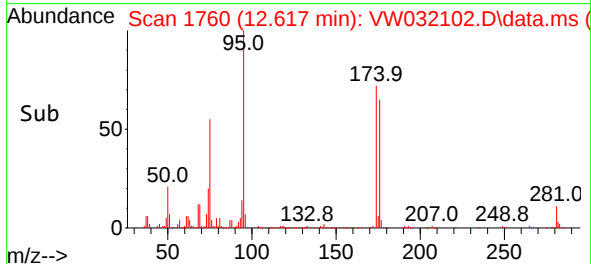
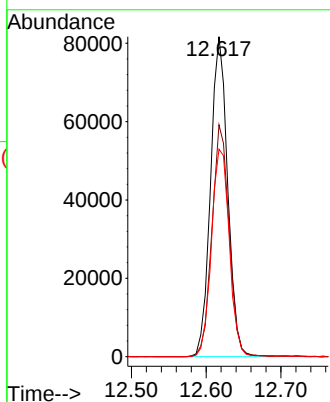
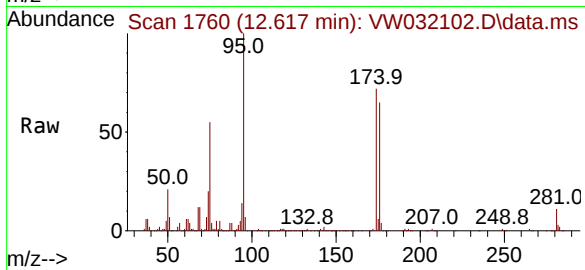




#62
4-Bromofluorobenzene
Concen: 50.019 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

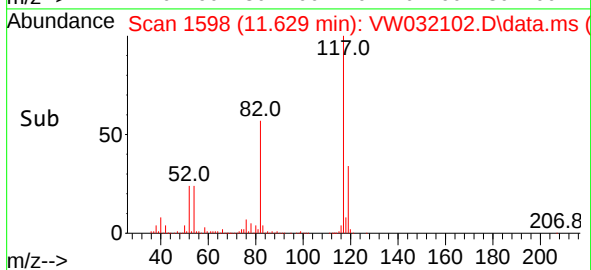
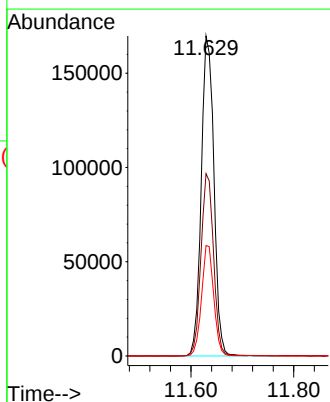
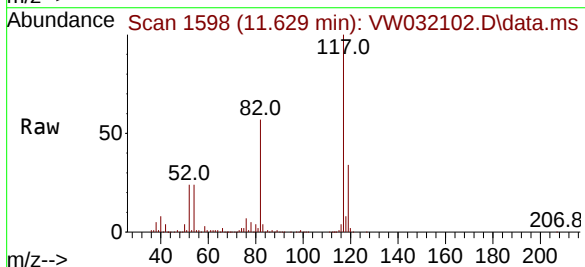
Instrument :
MSVOA_W
ClientSampleId :

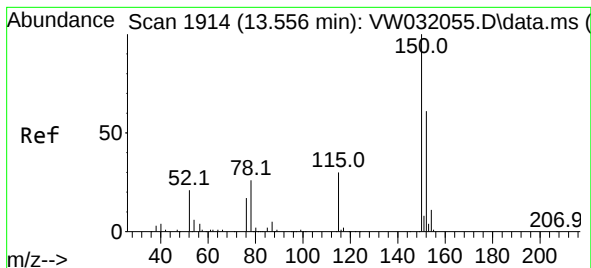
Tgt Ion:	95	Resp:	130042
Ion Ratio	Lower	Upper	
95	100		
174	72.7	0.0	129.0
176	68.0	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

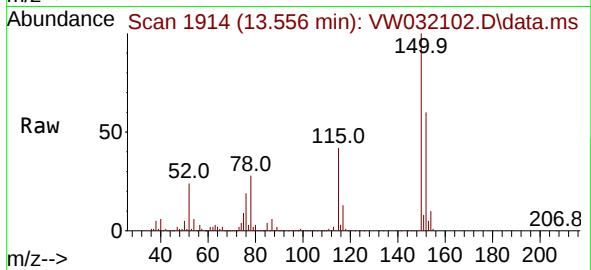
Tgt Ion:	117	Resp:	289791
Ion Ratio	Lower	Upper	
117	100		
82	56.9	45.0	67.4
119	34.5	24.2	36.4



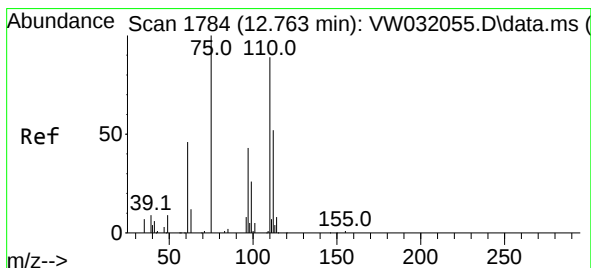
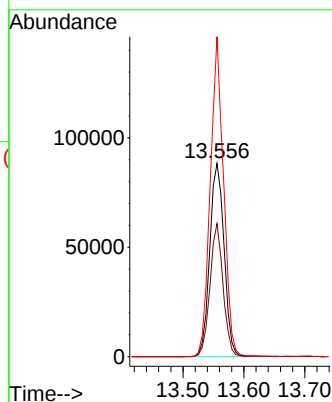
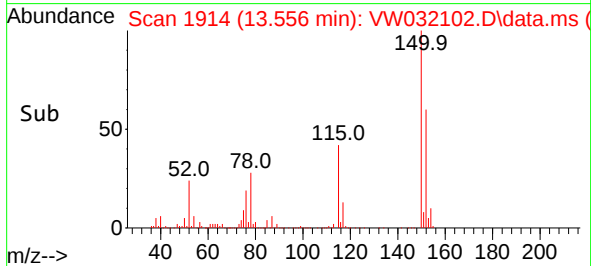


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Instrument :
MSVOA_W
ClientSampleId :

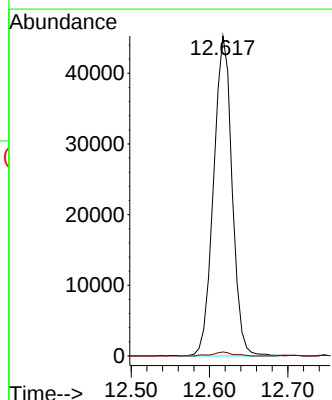
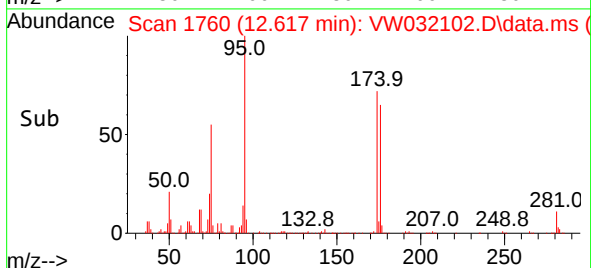
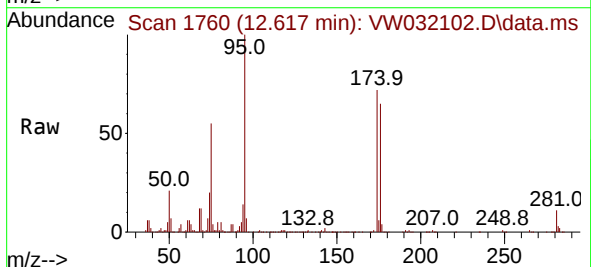


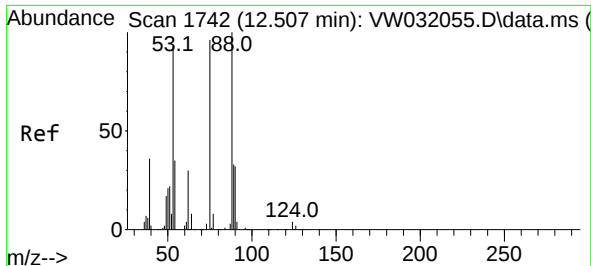
Tgt Ion:152 Resp: 144659
Ion Ratio Lower Upper
152 100
115 62.9 32.6 97.8
150 153.0 0.0 359.4



#76
1,2,3-Trichloropropane
Concen: 37.858 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

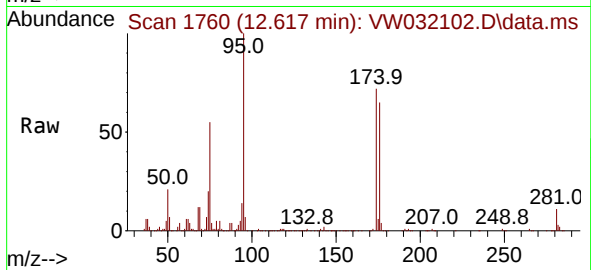
Tgt Ion: 75 Resp: 74329
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 98.011 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	81.0	121.6#
89	0.7	37.3	55.9#

