

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032119.D
 Acq On : 22 Aug 2025 18:18
 Operator : SY/MD
 Sample : Q2947-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 291

Quant Time: Aug 25 04:01:07 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	173064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	325856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	328003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164497	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120339	48.078	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.160%
35) Dibromofluoromethane	7.898	113	109431	51.982	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.960%
50) Toluene-d8	10.331	98	382586	49.136	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.617	95	145828	50.822	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.640%

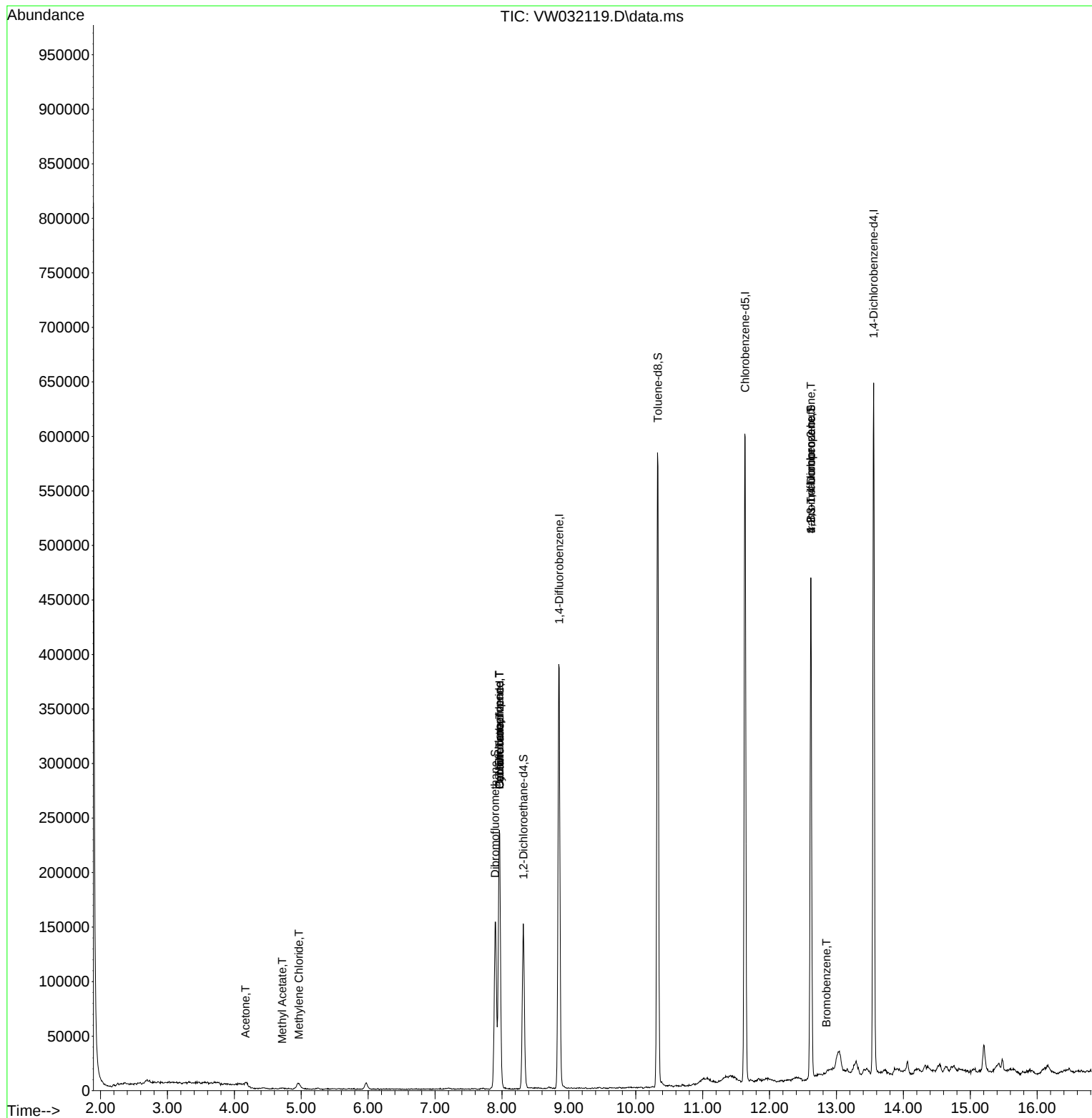
Target Compounds					Qvalue	
16) Acetone	4.167	43	3160	5.453	ug/l #	88
18) Methyl Acetate	4.716	43	2182	1.190	ug/l #	89
20) Methylene Chloride	4.966	84	5036	1.880	ug/l #	88
31) Cyclohexane	7.965	56	4274	1.198	ug/l #	15
36) 1,1-Dichloropropene	7.959	75	14741	4.967	ug/l #	53
38) Carbon Tetrachloride	7.965	117	19376	6.765	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	79353	35.543	ug/l #	1
77) Bromobenzene	12.849	156	3370	1.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	79353	92.017	ug/l #	9

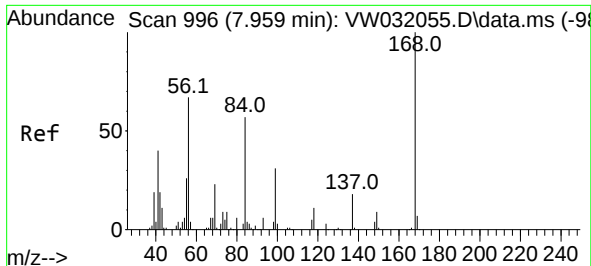
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

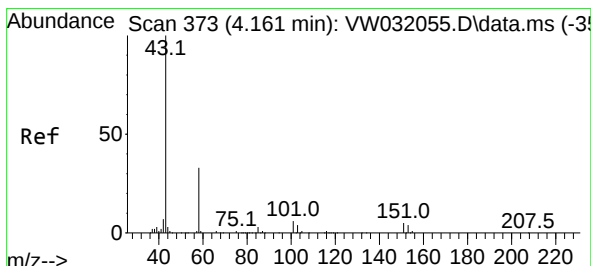
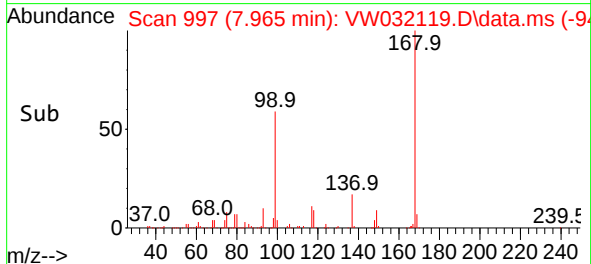
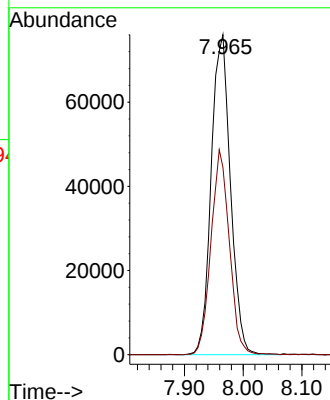
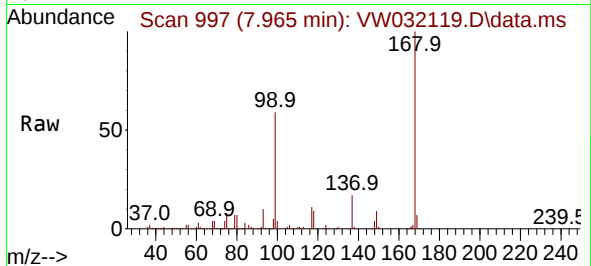




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

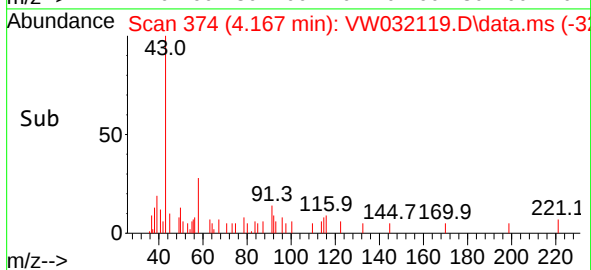
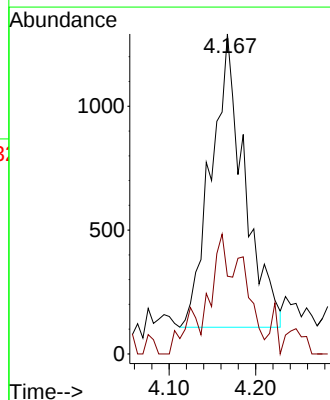
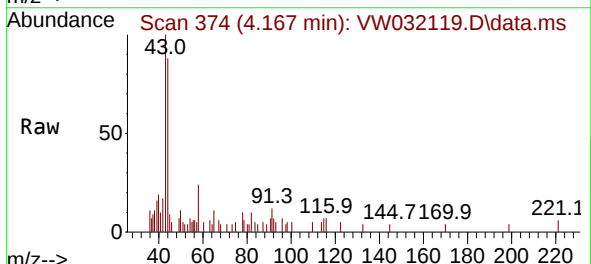
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MSVOA_W
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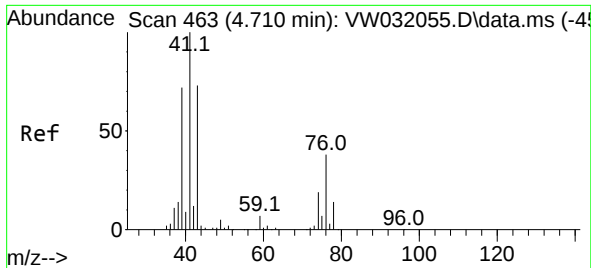
Tgt Ion:168 Resp: 173064
Ion Ratio Lower Upper
168 100
99 58.5 56.0 84.0



#16
Acetone
Concen: 5.453 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion: 43 Resp: 3160
Ion Ratio Lower Upper
43 100
58 26.5 26.6 39.8#

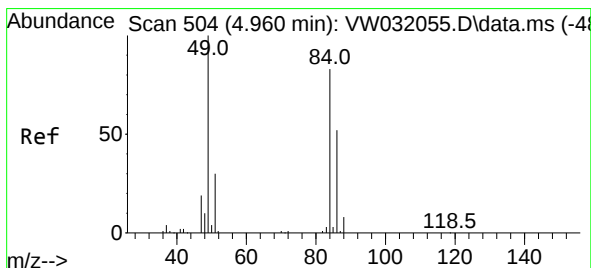
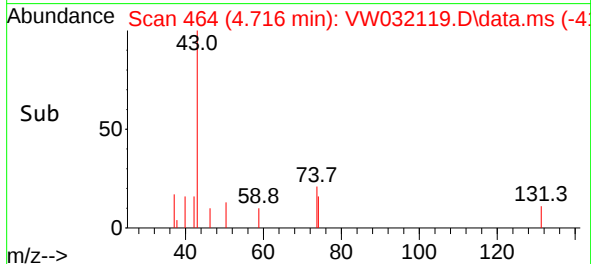
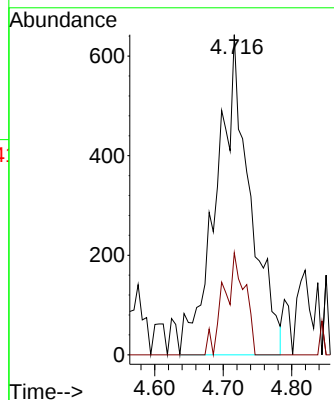
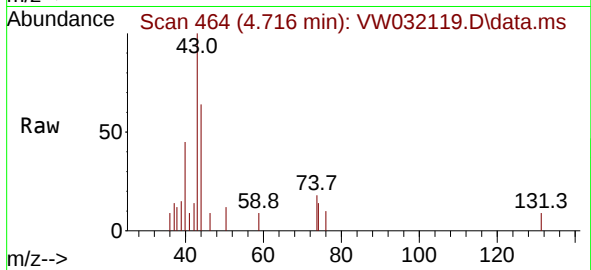




#18
Methyl Acetate
Concen: 1.190 ug/l
RT: 4.716 min Scan# 418
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

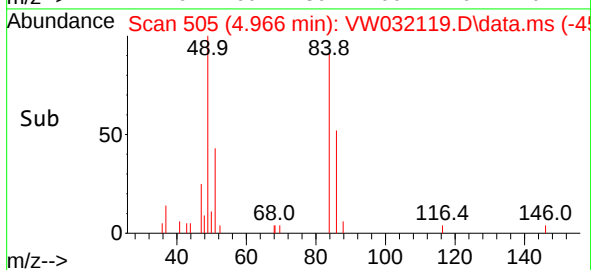
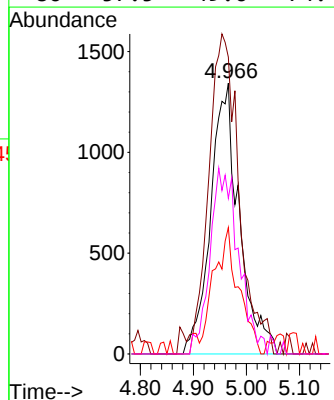
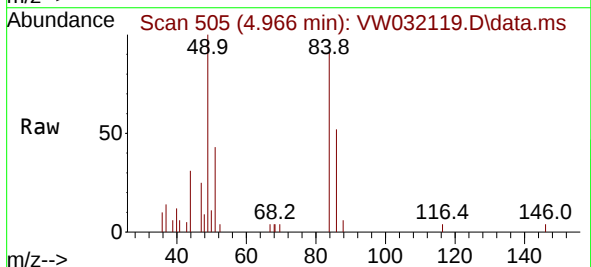
Instrument :
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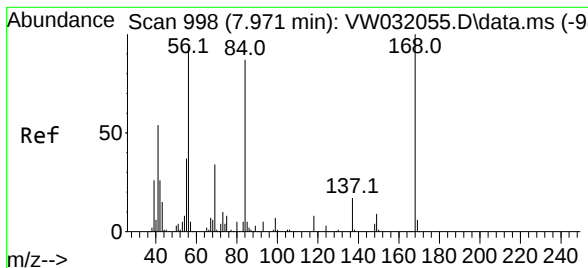
Tgt Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
74 20.1 20.6 31.0#



#20
Methylene Chloride
Concen: 1.880 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion: 84 Resp: 5036
Ion Ratio Lower Upper
84 100
49 105.3 95.9 143.9
51 46.7 28.6 43.0#
86 57.5 49.6 74.4





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW032119.D

Acq: 22 Aug 2025 18:18

Instrument :

MSVOA_W

ClientSampleId :

291

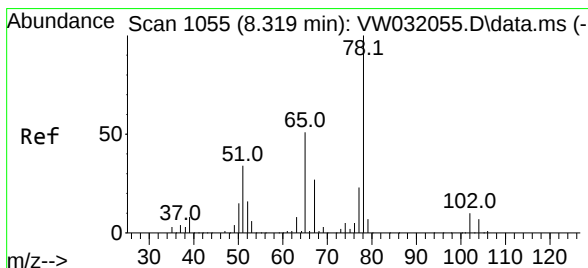
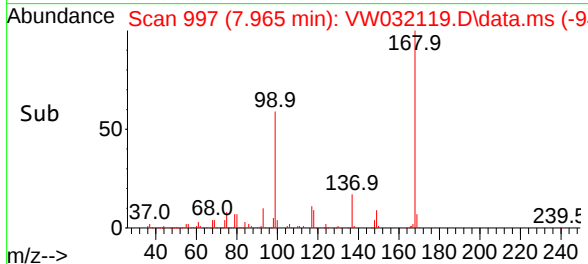
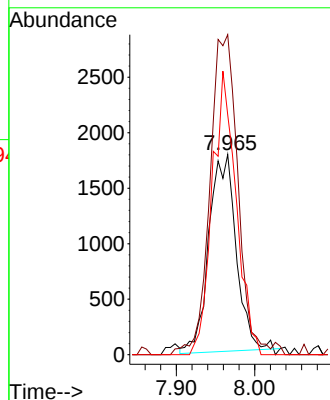
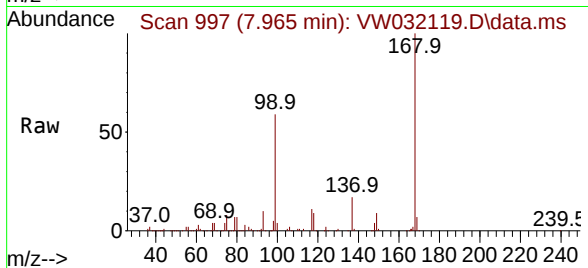
Tgt Ion: 56 Resp: 4274

Ion Ratio Lower Upper

56 100

69 161.7 28.6 42.8#

84 123.6 73.0 109.4#



#33

1,2-Dichloroethane-d4

Concen: 48.078 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032119.D

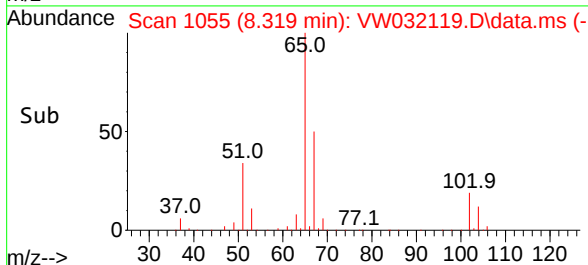
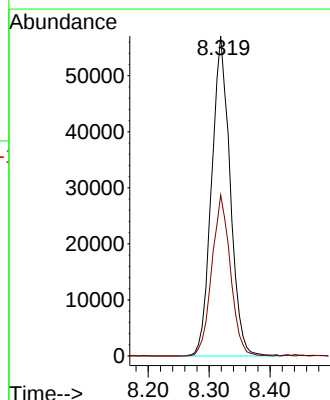
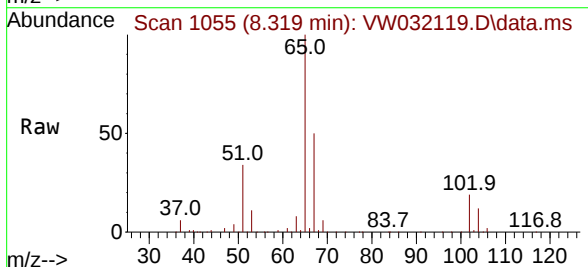
Acq: 22 Aug 2025 18:18

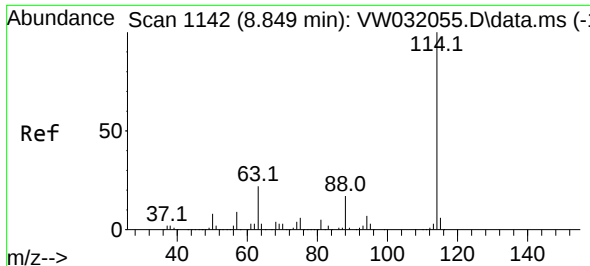
Tgt Ion: 65 Resp: 120339

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4

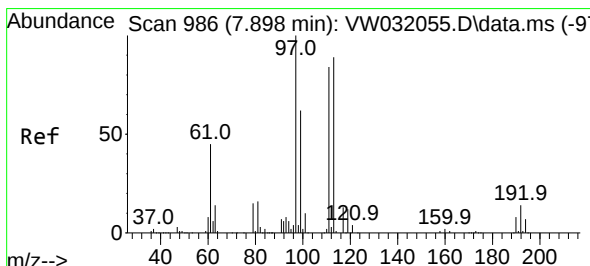
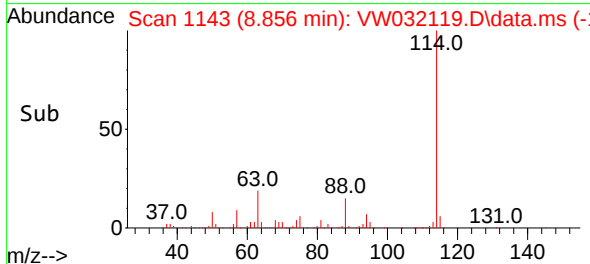
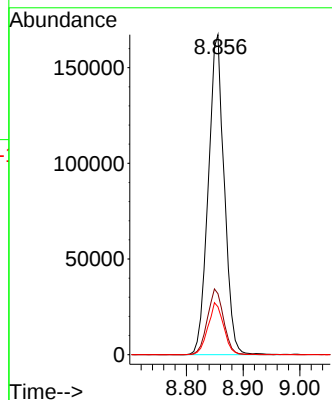
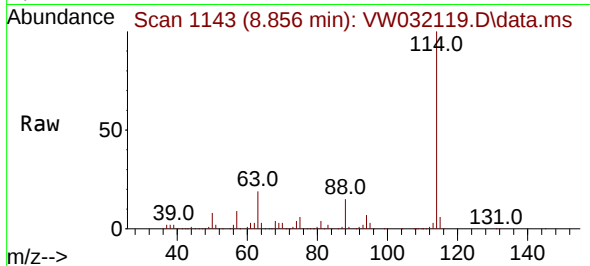




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032119.D
 Acq: 22 Aug 2025 18:18

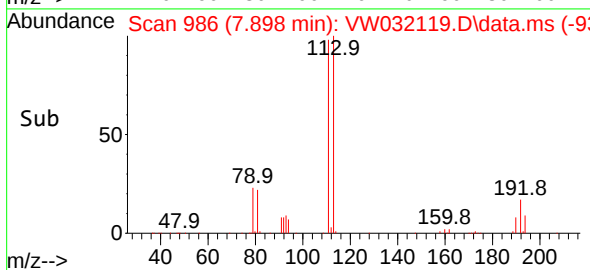
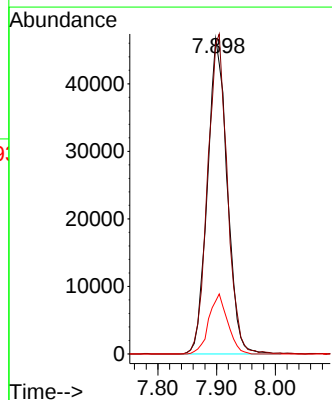
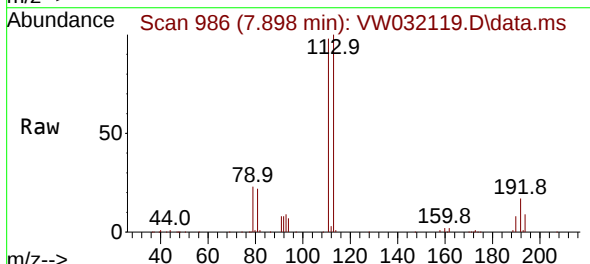
Instrument :
 MSVOA_W
 ClientSampleId :
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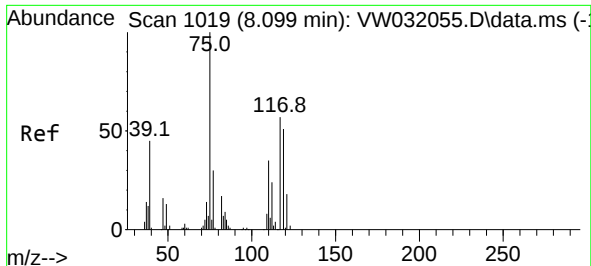
Tgt Ion:	114	Resp:	325856
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	43.0
88	14.9	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 51.982 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032119.D
 Acq: 22 Aug 2025 18:18

Tgt Ion:	113	Resp:	109431
Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.1	120.1
192	18.1	13.1	19.7

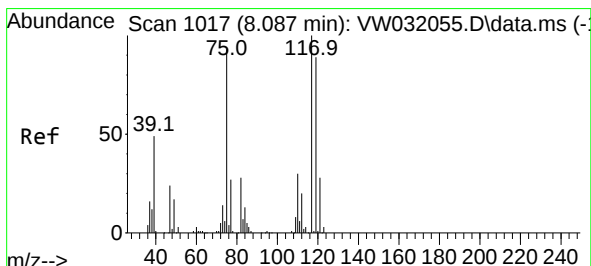
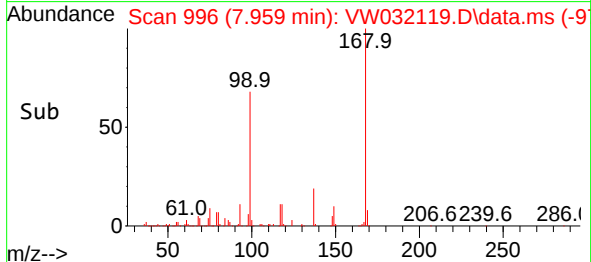
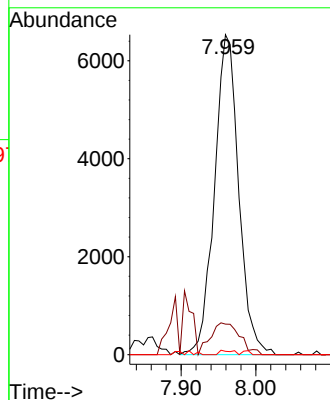
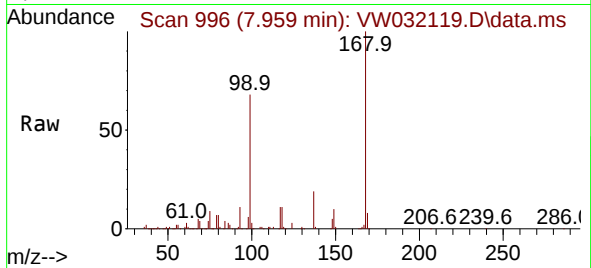




#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

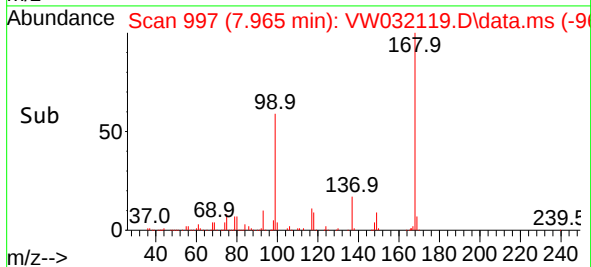
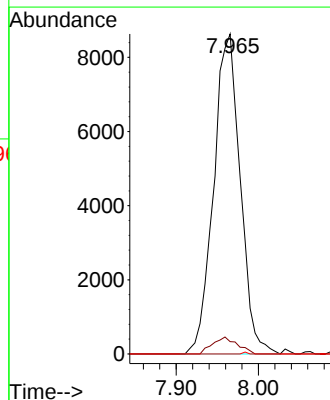
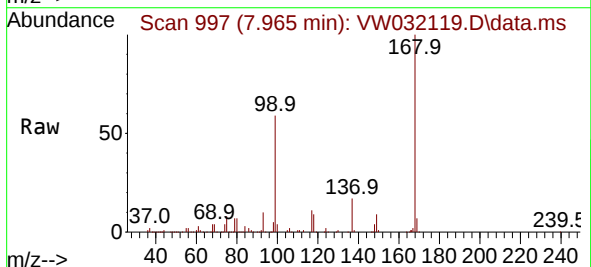
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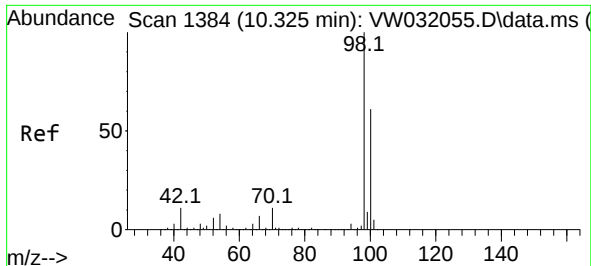
Tgt Ion: 75 Resp: 14741
Ion Ratio Lower Upper
75 100
110 11.5 17.4 52.2#
77 0.8 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.765 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion: 117 Resp: 19376
Ion Ratio Lower Upper
117 100
119 3.9 71.4 107.2#
121 0.0 22.3 33.5#

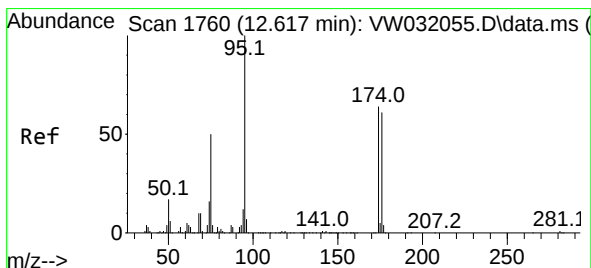
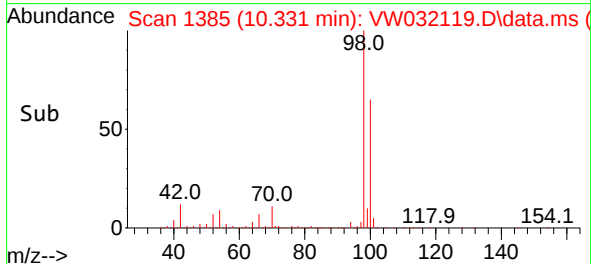
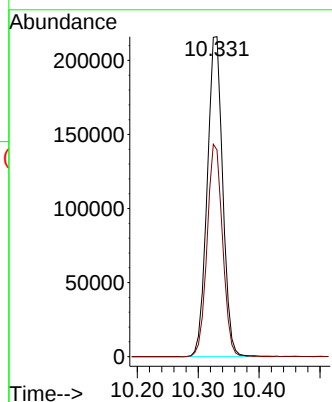
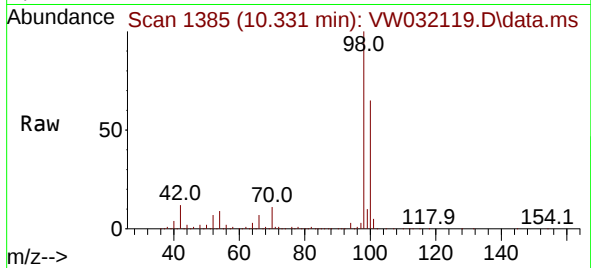




#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

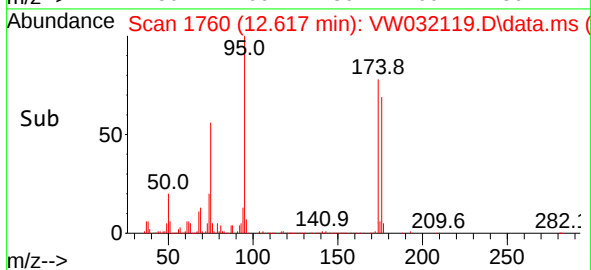
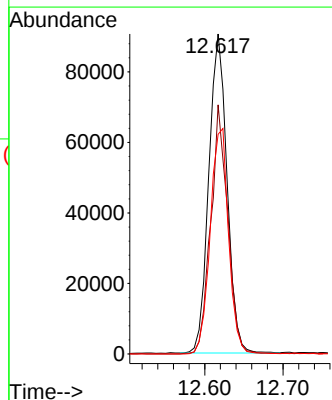
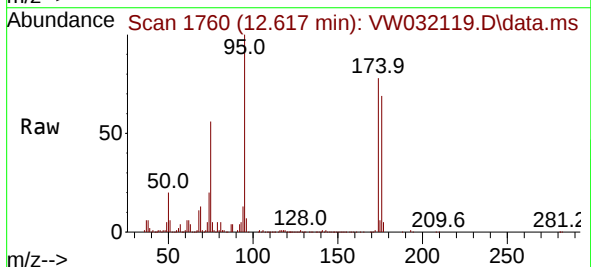
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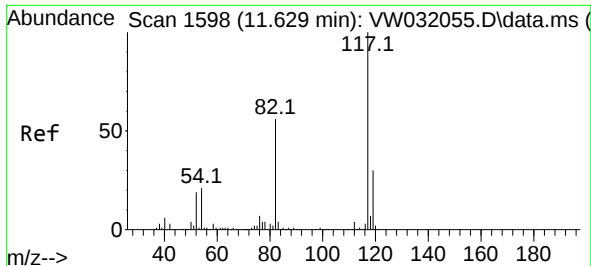
Tgt Ion: 98 Resp: 382586
Ion Ratio Lower Upper
98 100
100 66.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 50.822 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion: 95 Resp: 145828
Ion Ratio Lower Upper
95 100
174 73.8 0.0 129.0
176 71.6 0.0 124.6

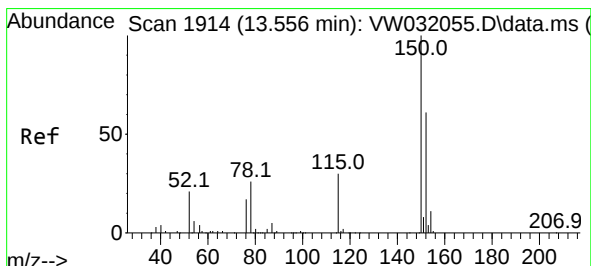
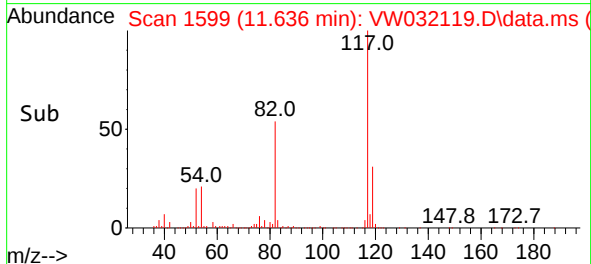
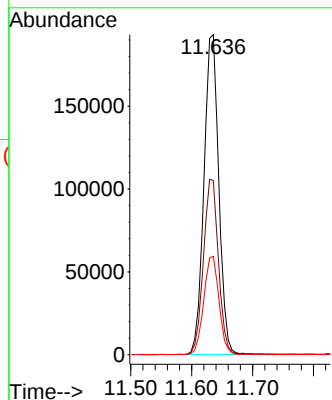
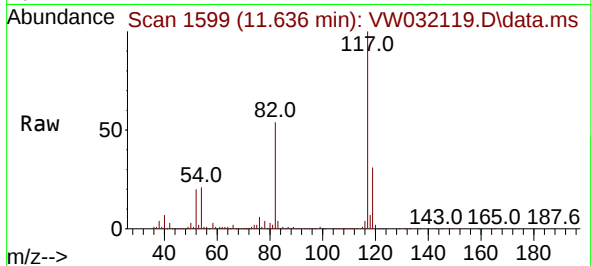




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

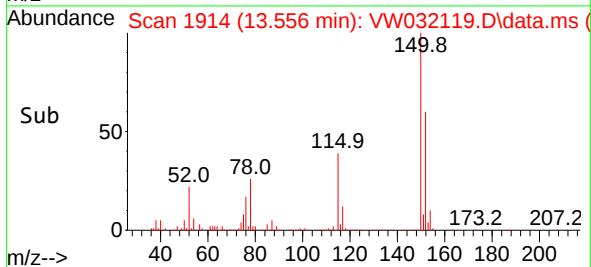
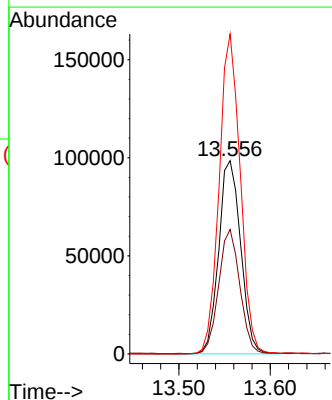
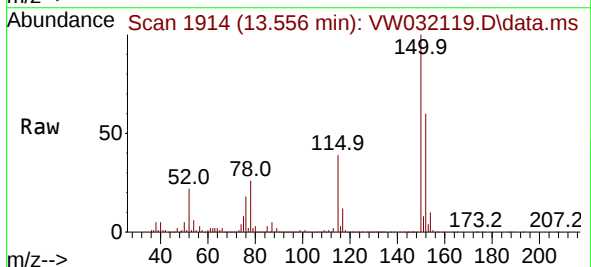
Instrument :
MSVOA_W
ClientSampleId :
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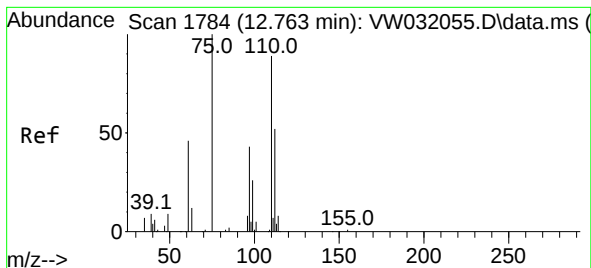
Tgt Ion:117 Resp: 328003
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 30.7 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Tgt Ion:152 Resp: 164497
Ion Ratio Lower Upper
152 100
115 61.9 32.6 97.8
150 158.8 0.0 359.4





#76

1,2,3-Trichloropropane

Concen: 35.543 ug/l

RT: 12.617 min Scan# 1

Delta R.T. -0.146 min

Lab File: VW032119.D

Acq: 22 Aug 2025 18:18

Instrument :

MSVOA_W

ClientSampleId :

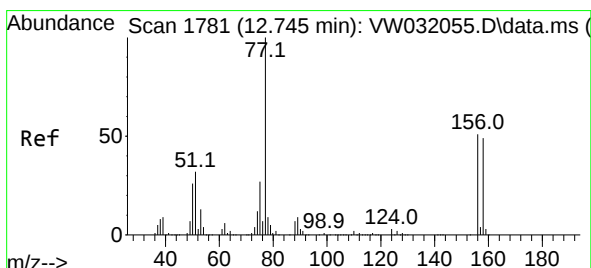
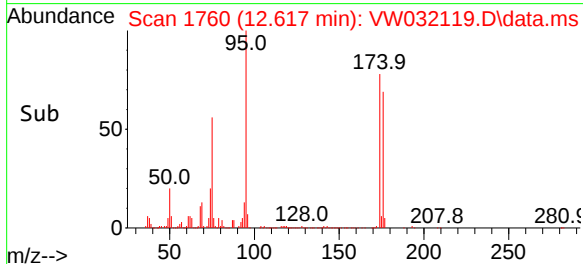
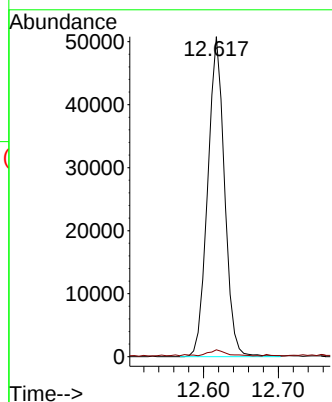
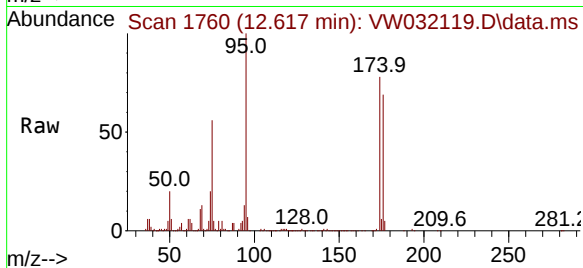
291

Tgt Ion: 75 Resp: 79353

Ion Ratio Lower Upper

75 100

77 1.9 123.5 370.5#



#77

Bromobenzene

Concen: 1.227 ug/l

RT: 12.849 min Scan# 1798

Delta R.T. 0.104 min

Lab File: VW032119.D

Acq: 22 Aug 2025 18:18

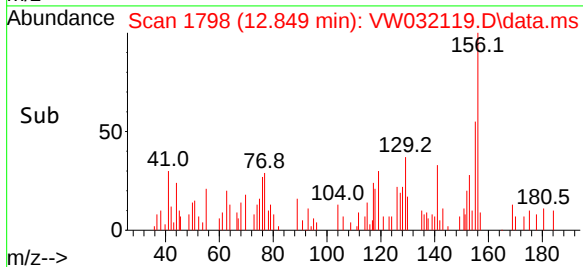
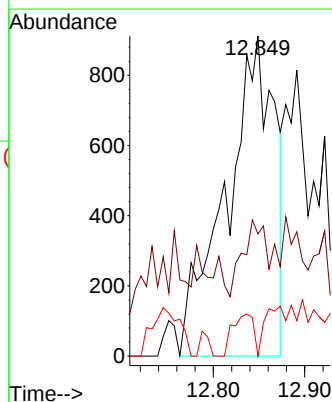
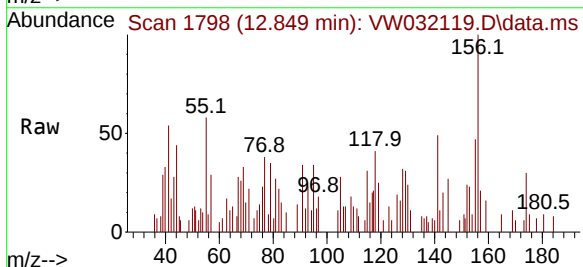
Tgt Ion:156 Resp: 3370

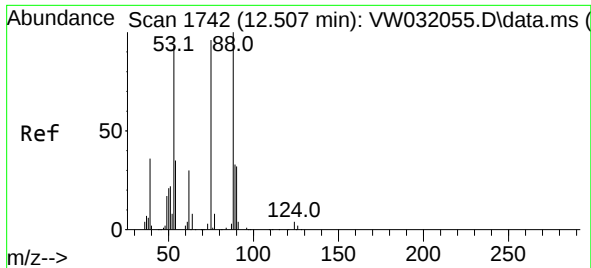
Ion Ratio Lower Upper

156 100

77 11.0 108.7 326.3#

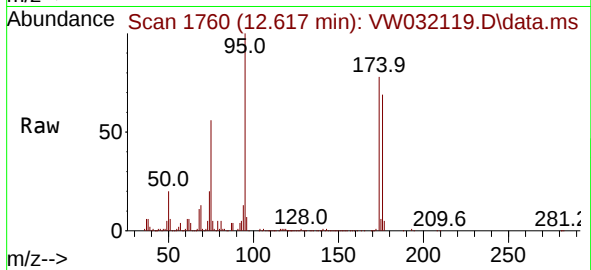
158 5.6 48.3 144.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.017 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032119.D
Acq: 22 Aug 2025 18:18

Instrument :
MSVOA_W
ClientSampleId :
291



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.6#
89	0.3	37.3	55.9#

