

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039336.D
 Acq On : 05 Nov 2025 15:18
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 00:16:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

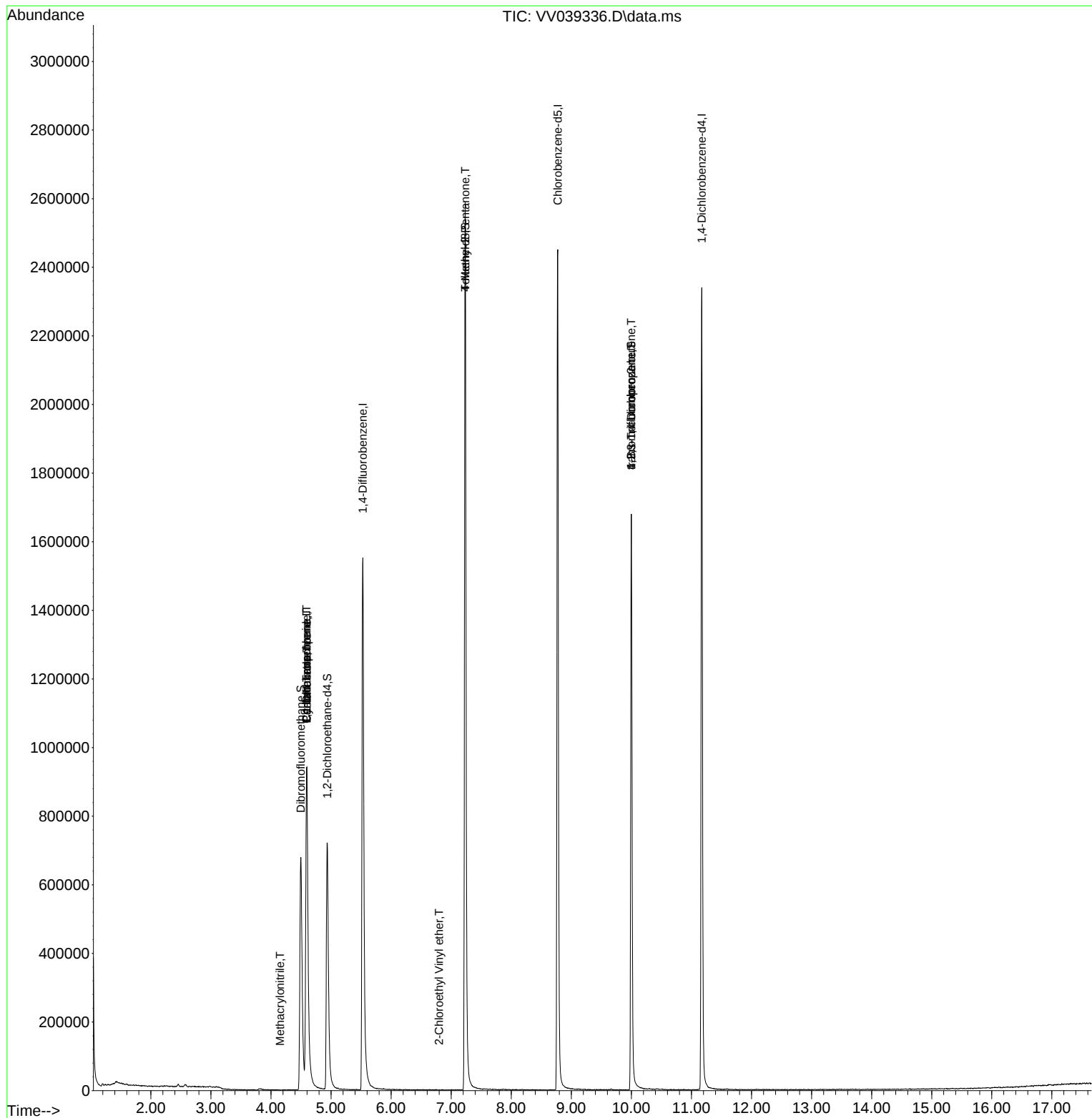
Internal Standards						
1) Pentafluorobenzene	4.596	168	827153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1540457	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1418179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	626525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	639120	54.377	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.760%			
35) Dibromofluoromethane	4.497	113	570030	46.964	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 93.920%			
50) Toluene-d8	7.233	98	1846757	44.724	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.440%			
62) 4-Bromofluorobenzene	9.998	95	570095	38.767	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 77.540%#			
Target Compounds						
6) Chloroethane	1.439	64	1061	Below Cal	#	67
13) Acrolein	2.015	56	45	Below Cal	#	1
16) Acetone	2.127	43	583	Below Cal	#	62
20) Methylene Chloride	2.461	84	2919	Below Cal		87
31) Cyclohexane	4.596	56	15943	1.029	ug/l #	1
36) 1,1-Dichloropropene	4.593	75	69637	4.568	ug/l #	49
38) Carbon Tetrachloride	4.593	117	86324	4.648	ug/l #	17
41) Methacrylonitrile	4.153	41	81	1.701	ug/l #	28
51) 4-Methyl-2-Pentanone	7.233	43	6724	0.415	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.799	63	43	8.472	ug/l #	45
76) 1,2,3-Trichloropropane	9.998	75	280212	22.408	ug/l #	54
81) trans-1,4-Dichloro-2-b...	9.998	75	280212	56.592	ug/l #	14

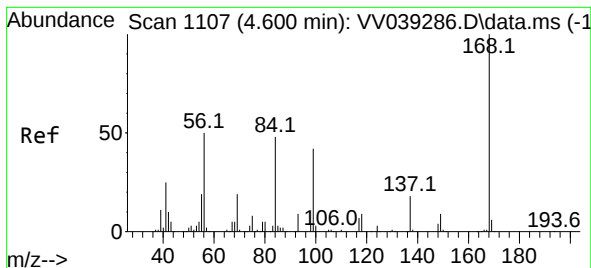
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.004 min

Lab File: VV039336.D

Acq: 05 Nov 2025 15:18

Instrument :

MSVOA_V

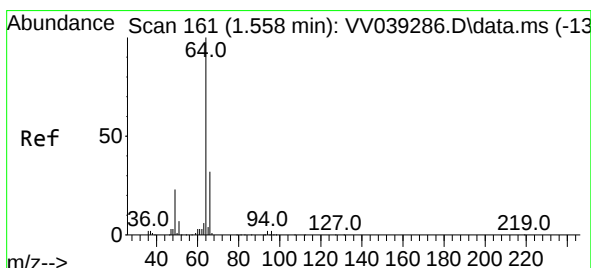
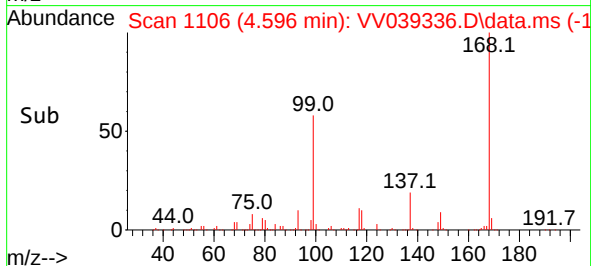
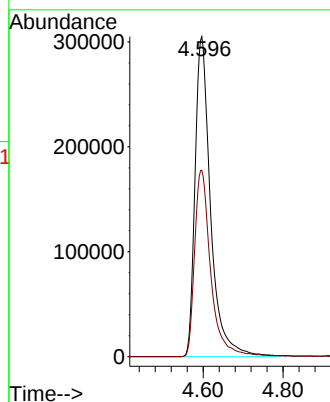
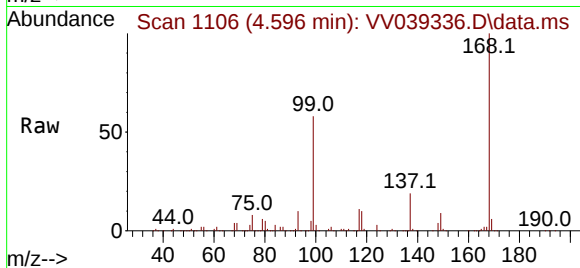
ClientSampleId :

Tgt Ion:168 Resp: 827153

Ion Ratio Lower Upper

168 100

99 58.2 46.6 70.0



#6

Chloroethane

Concen: Below Cal

RT: 1.439 min Scan# 124

Delta R.T. -0.119 min

Lab File: VV039336.D

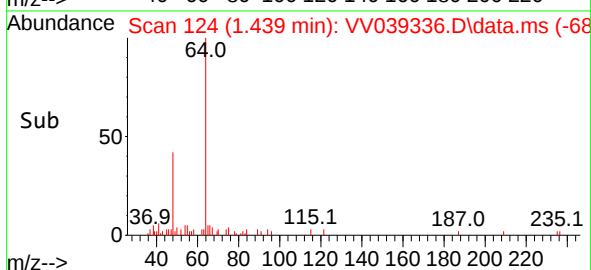
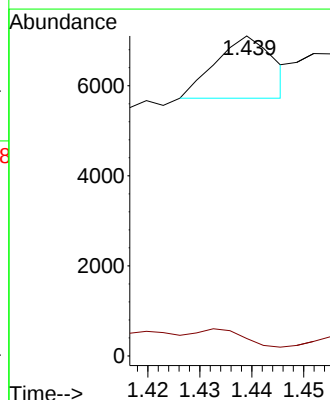
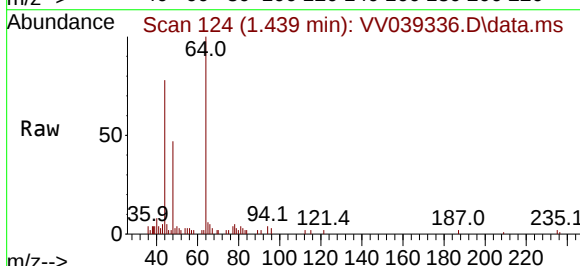
Acq: 05 Nov 2025 15:18

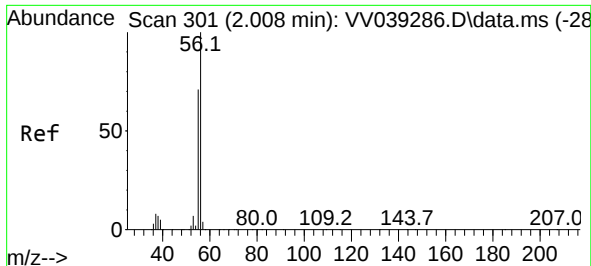
Tgt Ion: 64 Resp: 1061

Ion Ratio Lower Upper

64 100

66 13.9 25.7 38.5#

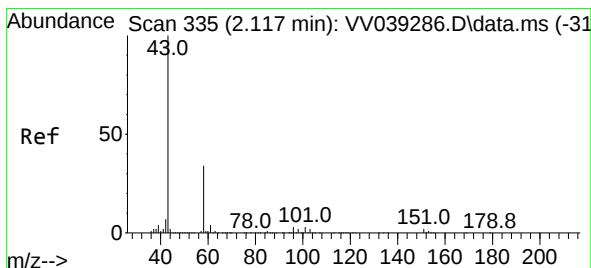
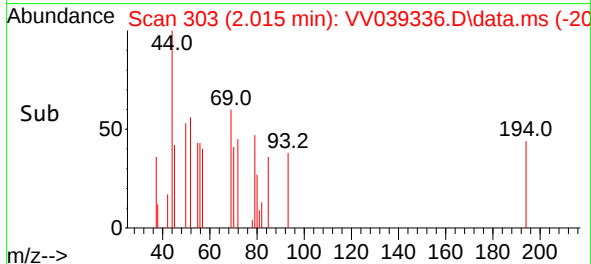
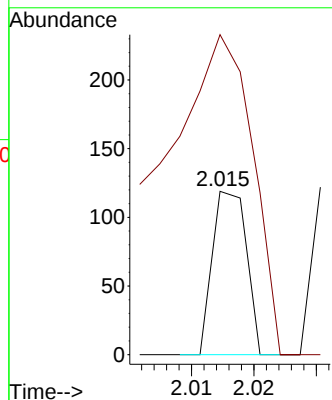
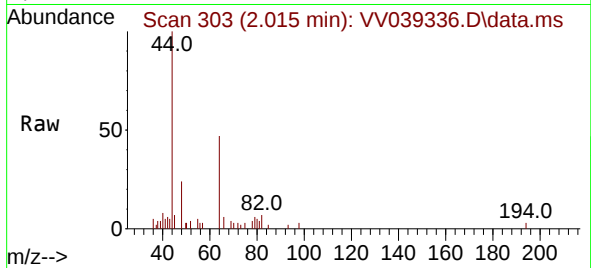




#13
Acrolein
Concen: Below Cal
RT: 2.015 min Scan# 301
Delta R.T. 0.006 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

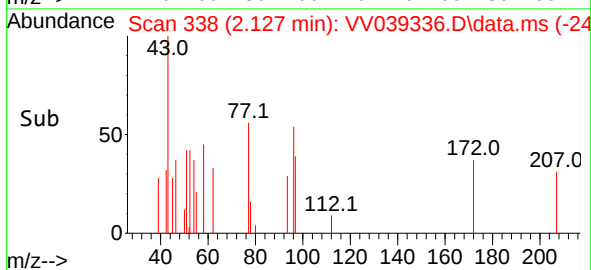
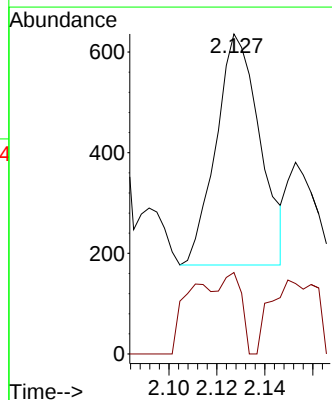
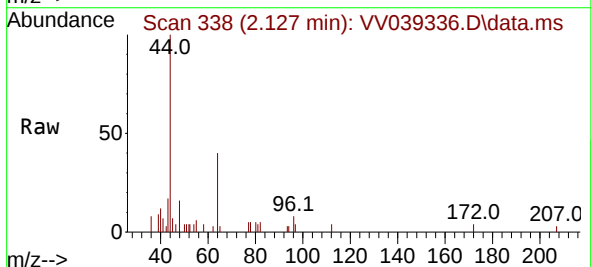
Instrument :
MSVOA_V
ClientSampleId :

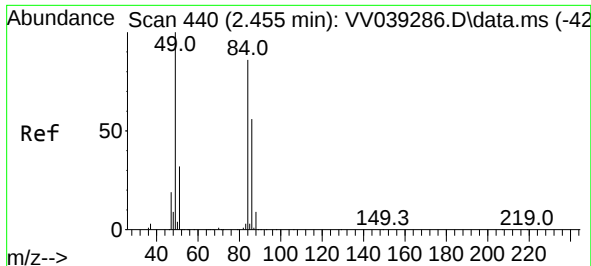
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 448.9 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 338
Delta R.T. 0.010 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

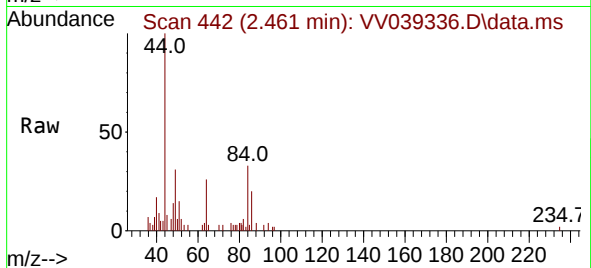
Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 12.4 27.5 41.3#



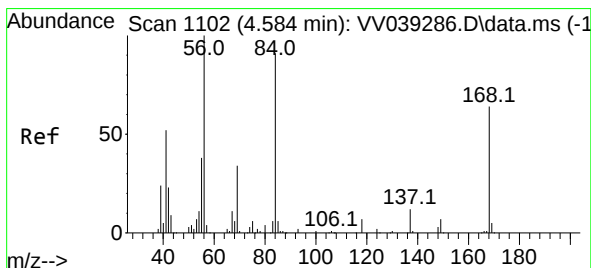
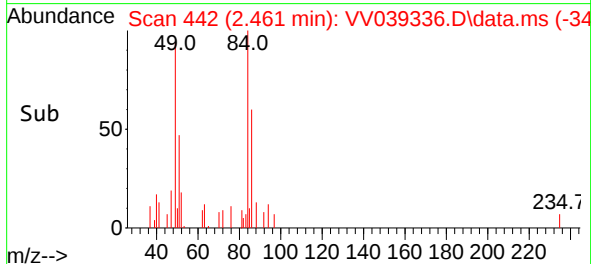
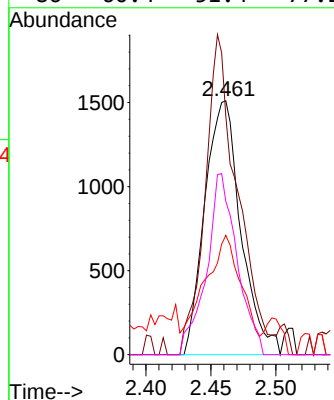


#20
Methylene Chloride
Concen: Below Cal
RT: 2.461 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Instrument :
MSVOA_V
ClientSampleId :

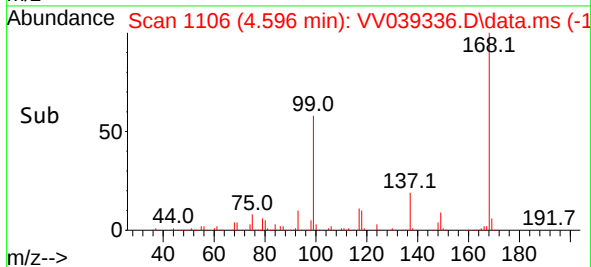
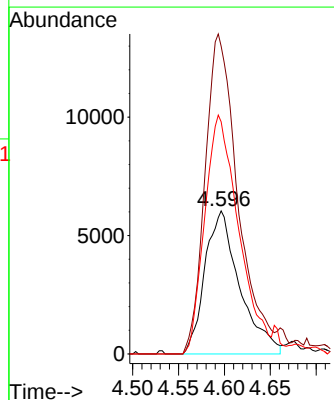
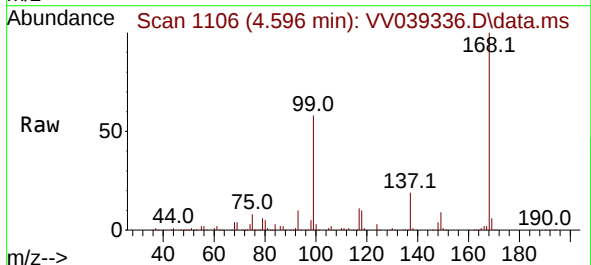


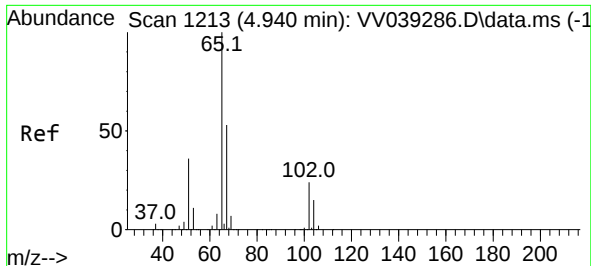
Tgt Ion:	84	Resp:	2919
Ion	Ratio	Lower	Upper
84	100		
49	94.0	92.6	139.0
51	38.4	29.6	44.4
86	60.4	51.4	77.2



#31
Cyclohexane
Concen: 1.029 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Tgt Ion:	56	Resp:	15943
Ion	Ratio	Lower	Upper
56	100		
69	215.1	27.4	41.0#
84	162.3	72.8	109.2#





#33

1,2-Dichloroethane-d4

Concen: 54.377 ug/l

RT: 4.937 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039336.D

Acq: 05 Nov 2025 15:18

Instrument :

MSVOA_V

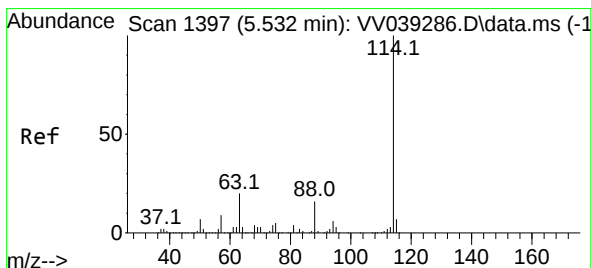
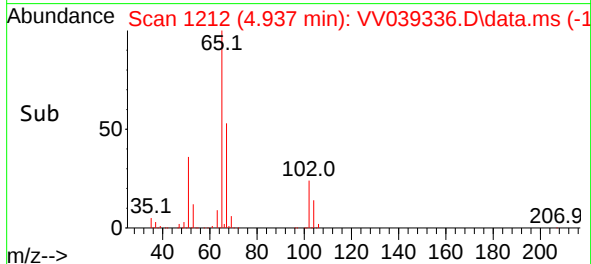
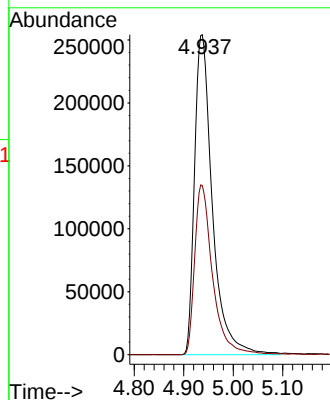
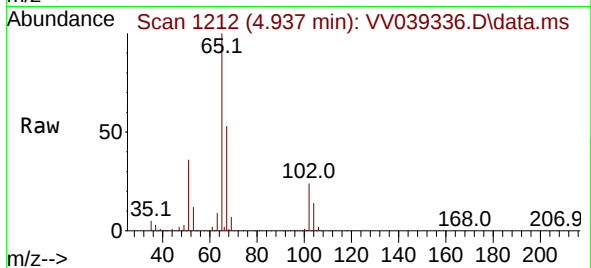
ClientSampleId :

Tgt Ion: 65 Resp: 639120

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV039336.D

Acq: 05 Nov 2025 15:18

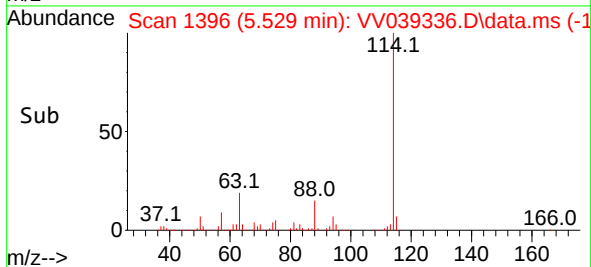
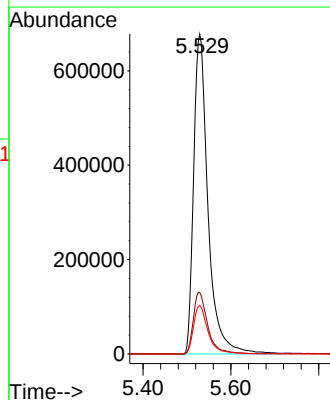
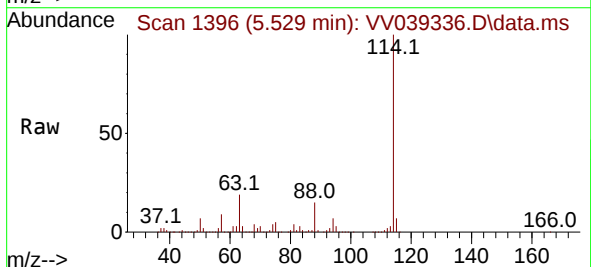
Tgt Ion: 114 Resp: 1540457

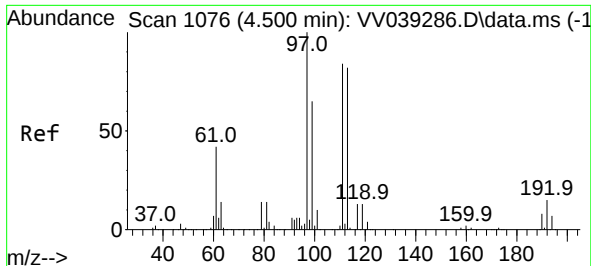
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

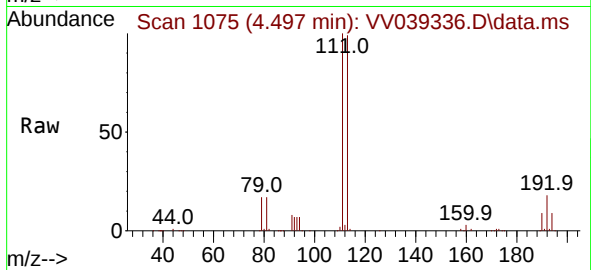
88 15.1 0.0 31.6



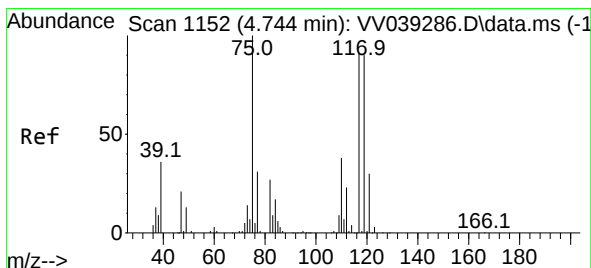
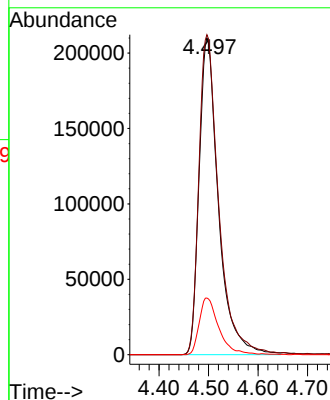
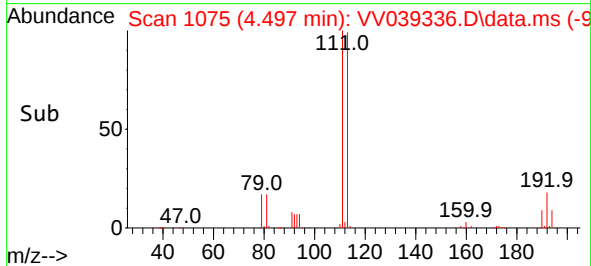


#35
Dibromofluoromethane
Concen: 46.964 ug/l
RT: 4.497 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Instrument :
MSVOA_V
ClientSampleId :

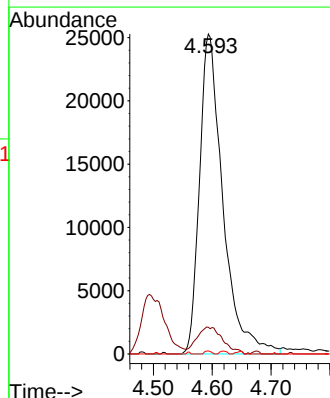
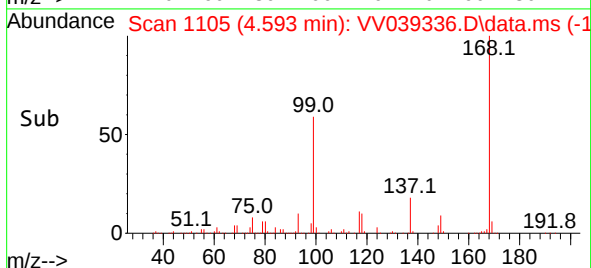
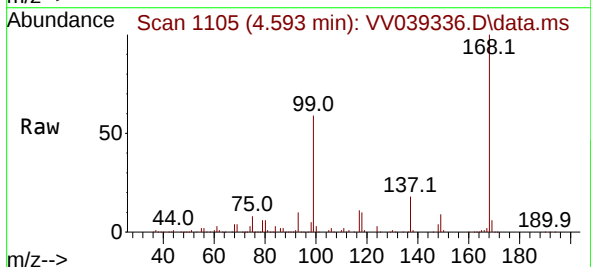


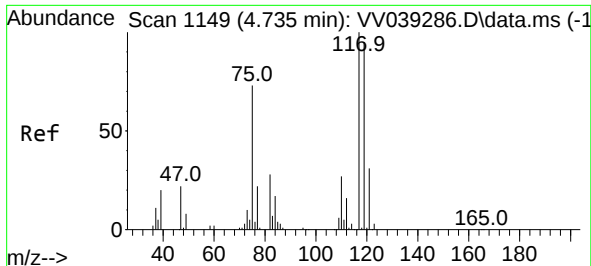
Tgt Ion:113 Resp: 570030
Ion Ratio Lower Upper
113 100
111 103.7 82.0 123.0
192 18.1 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.151 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

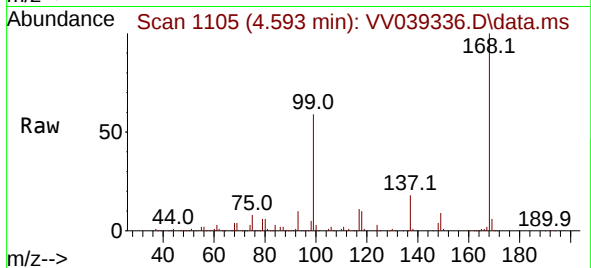
Tgt Ion: 75 Resp: 69637
Ion Ratio Lower Upper
75 100
110 9.4 18.9 56.7#
77 0.3 24.1 36.1#



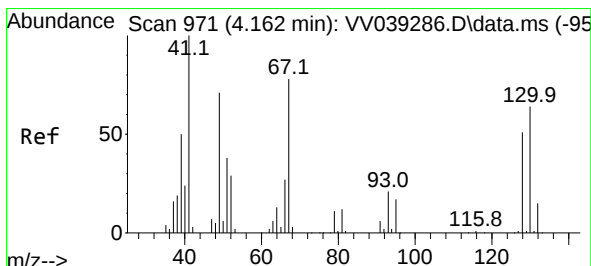
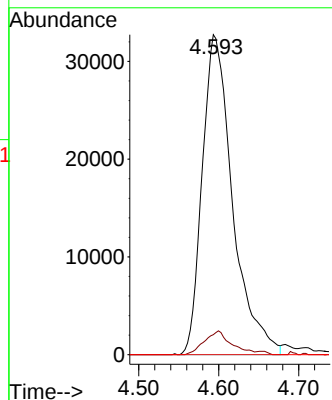
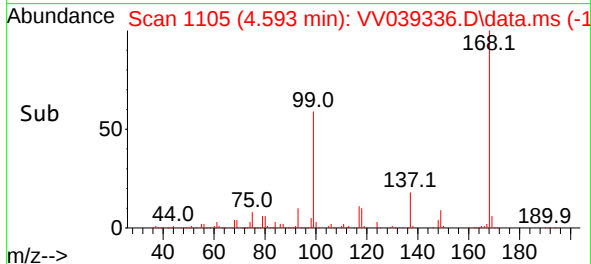


#38
Carbon Tetrachloride
Concen: 4.648 ug/l
RT: 4.593 min Scan# 1149
Delta R.T. -0.141 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Instrument :
MSVOA_V
ClientSampleId :

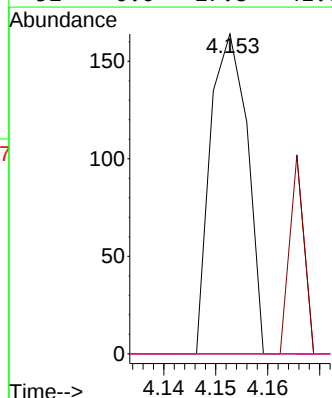
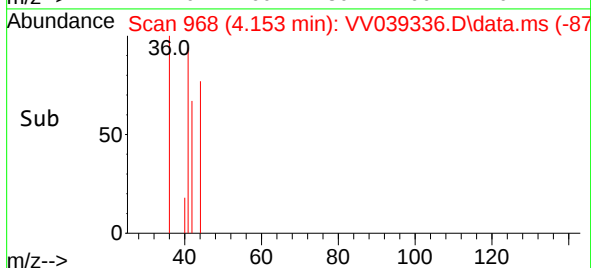
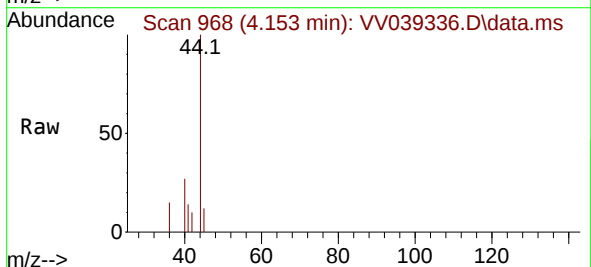


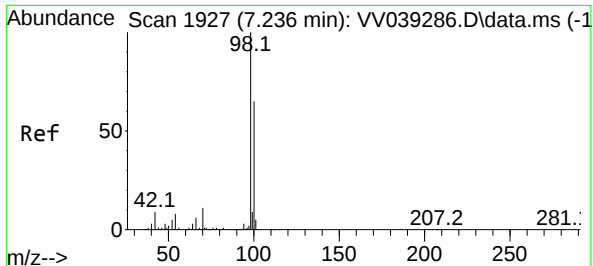
Tgt Ion:117 Resp: 86324
Ion Ratio Lower Upper
117 100
119 6.3 75.9 113.9#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.701 ug/l
RT: 4.153 min Scan# 968
Delta R.T. -0.010 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Tgt Ion: 41 Resp: 81
Ion Ratio Lower Upper
41 100
39 24.7 40.9 61.3#
67 0.0 73.1 109.7#
52 0.0 27.8 41.6#





#50

Toluene-d8

Concen: 44.724 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. -0.003 min

Lab File: VV039336.D

Acq: 05 Nov 2025 15:18

Instrument :

MSVOA_V

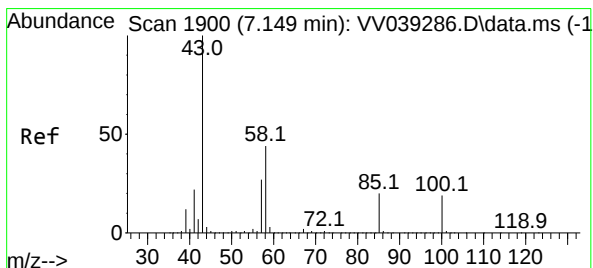
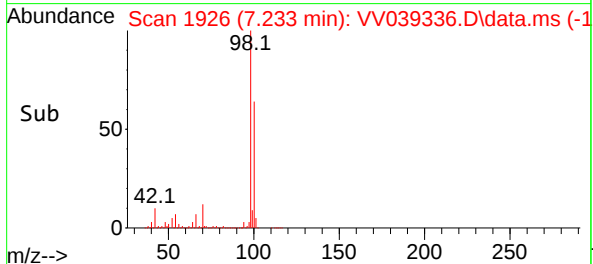
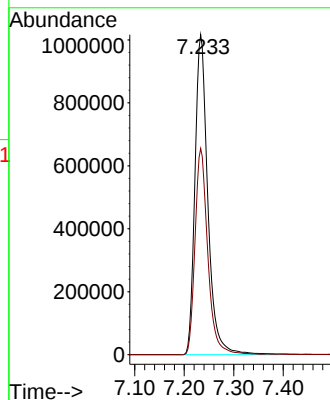
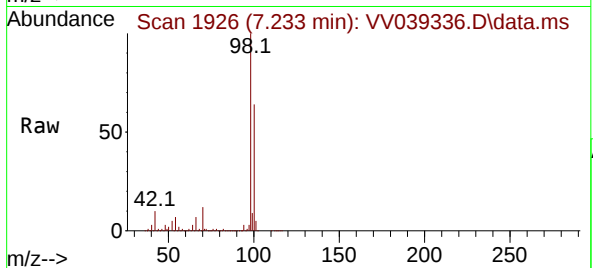
ClientSampleId :

Tgt Ion: 98 Resp: 1846757

Ion Ratio Lower Upper

98 100

100 64.0 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.415 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. 0.084 min

Lab File: VV039336.D

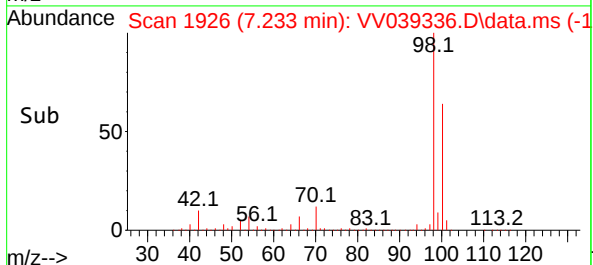
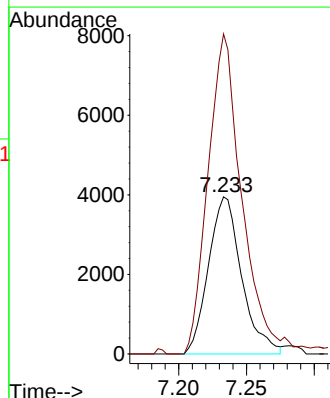
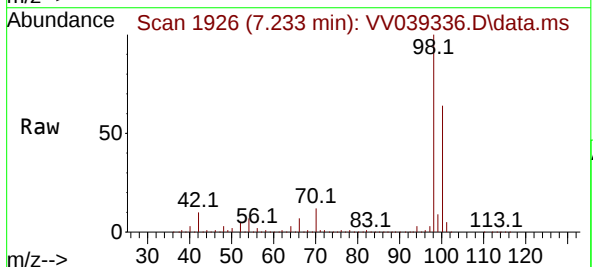
Acq: 05 Nov 2025 15:18

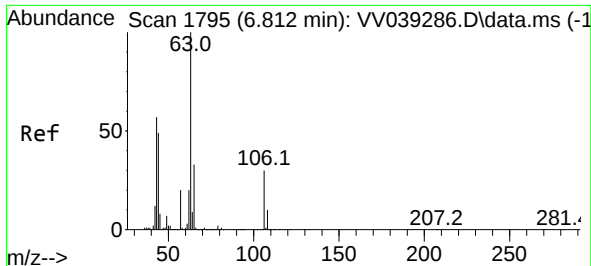
Tgt Ion: 43 Resp: 6724

Ion Ratio Lower Upper

43 100

58 209.3 34.2 51.4#

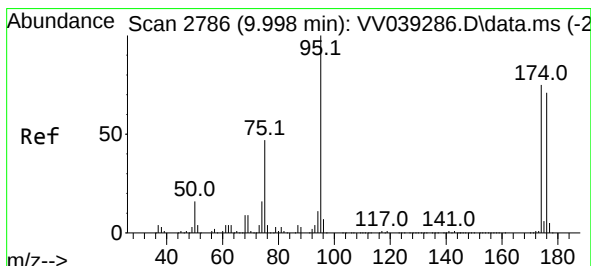
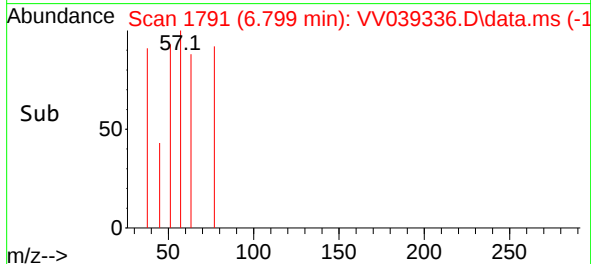
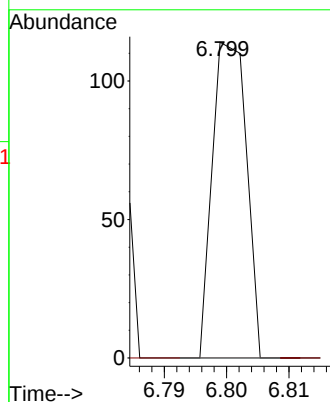
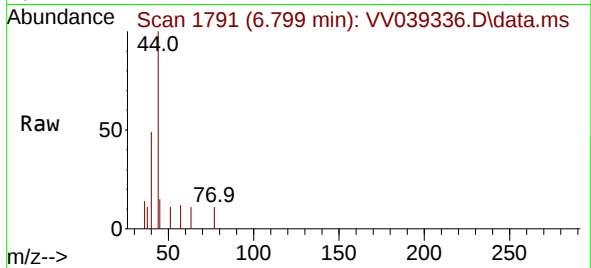




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.472 ug/l
 RT: 6.799 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: VV039336.D
 Acq: 05 Nov 2025 15:18

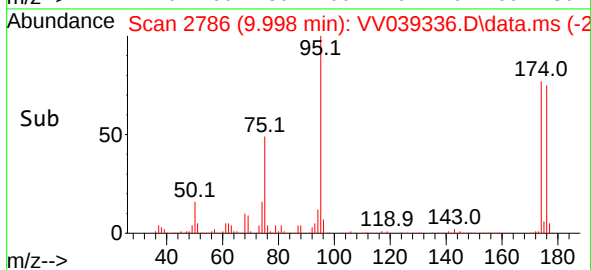
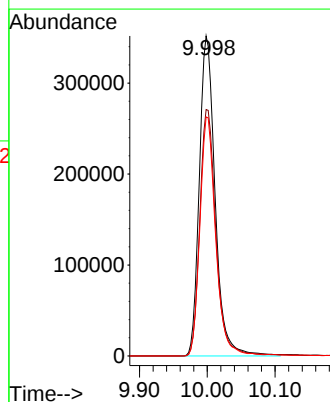
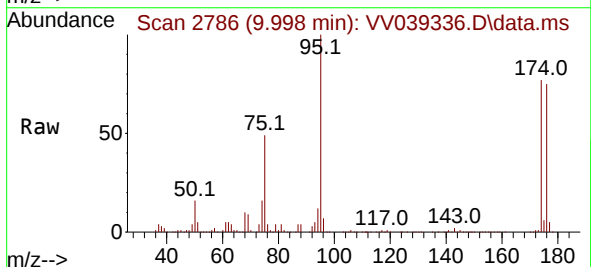
Instrument :
 MSVOA_V
 ClientSampleId :

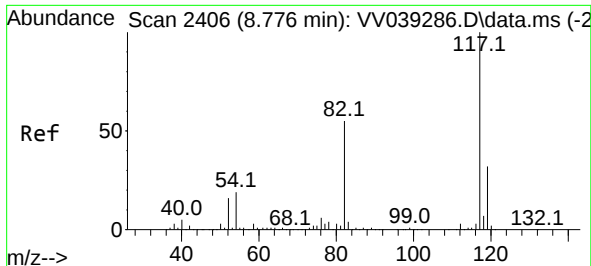
Tgt Ion: 63 Resp: 43
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#



#62
 4-Bromofluorobenzene
 Concen: 38.767 ug/l
 RT: 9.998 min Scan# 2786
 Delta R.T. 0.000 min
 Lab File: VV039336.D
 Acq: 05 Nov 2025 15:18

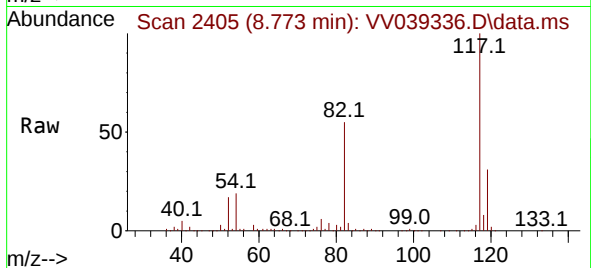
Tgt Ion: 95 Resp: 570095
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 153.6
 176 74.5 0.0 146.0



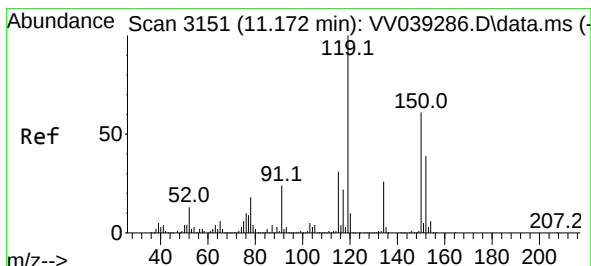
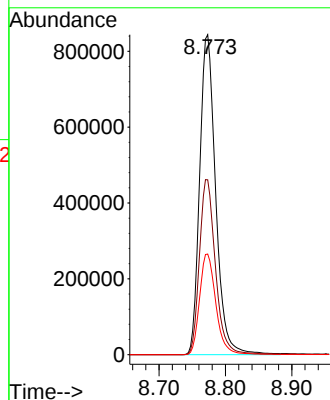
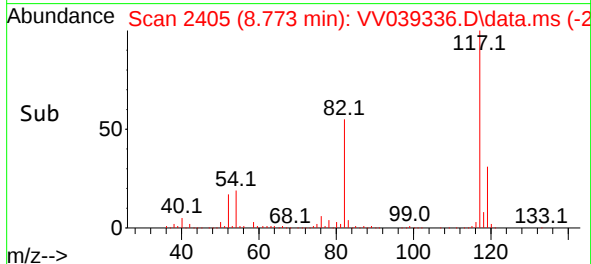


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Instrument :
MSVOA_V
ClientSampleId :

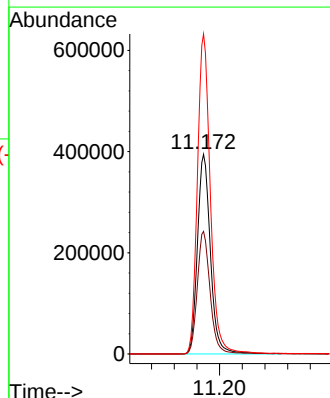
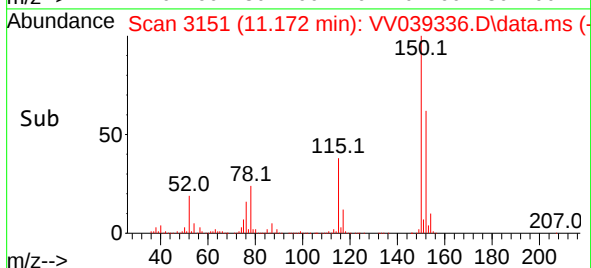
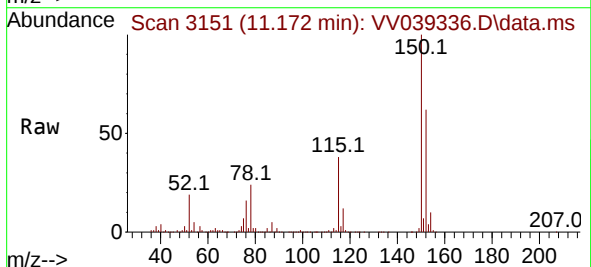


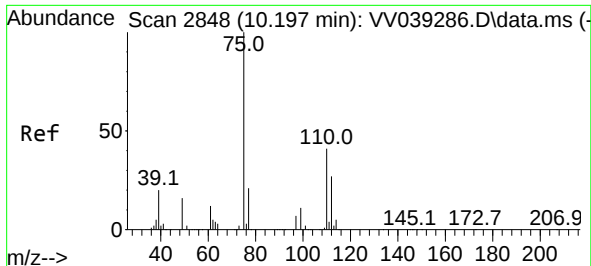
Tgt Ion:117 Resp: 1418179
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Tgt Ion:152 Resp: 626525
Ion Ratio Lower Upper
152 100
115 60.7 42.3 126.8
150 159.5 0.0 348.0

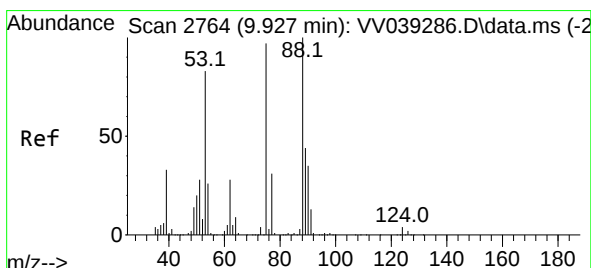
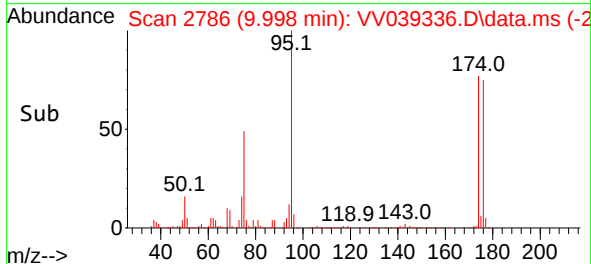
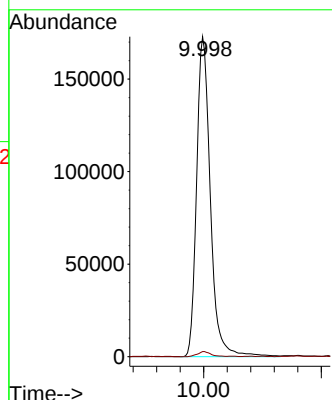
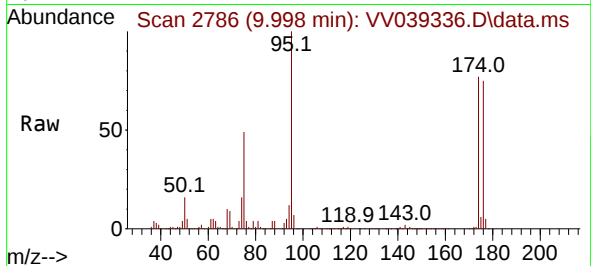




#76
1,2,3-Trichloropropane
Concen: 22.408 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.199 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 280212
Ion Ratio Lower Upper
75 100
77 1.6 12.2 36.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.592 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.071 min
Lab File: VV039336.D
Acq: 05 Nov 2025 15:18

Tgt Ion: 75 Resp: 280212
Ion Ratio Lower Upper
75 100
53 0.3 69.9 104.9#
89 0.0 37.4 56.0#

