

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039364.D
 Acq On : 12 Nov 2025 10:04
 Operator : SY/MD
 Sample : VV1112MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1112MBL01

Quant Time: Nov 14 00:17:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 00:16:53 2025
 Response via : Initial Calibration

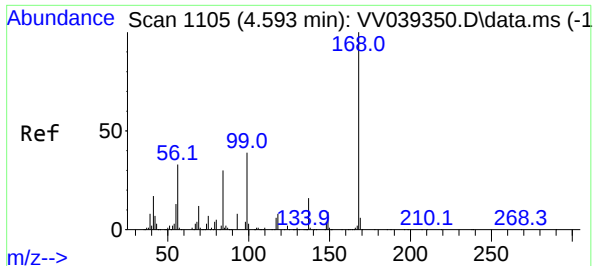
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.593	168	687450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.526	114	1110064	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1038812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	504387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	482546	56.898	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.800%			
35) Dibromofluoromethane	4.497	113	409864	48.140	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.280%			
50) Toluene-d8	7.233	98	1336833	47.515	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.020%			
62) 4-Bromofluorobenzene	9.998	95	511162	47.282	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 94.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.513	94	2283	0.812	ug/l #	50
6) Chloroethane	1.497	64	845	0.242	ug/l #	80
10) Methyl Iodide	2.204	142	3573	0.917	ug/l #	95
11) Tert butyl alcohol	2.558	59	370	0.407	ug/l #	1
13) Acrolein	2.008	56	378	4.435	ug/l	96
17) Carbon Disulfide	2.253	76	2426	0.307	ug/l #	75
20) Methylene Chloride	2.458	84	2986	0.431	ug/l #	91
31) Cyclohexane	4.600	56	11982	1.625	ug/l #	1
36) 1,1-Dichloropropene	4.593	75	47873	6.528	ug/l #	48
38) Carbon Tetrachloride	4.593	117	61461	5.642	ug/l #	18
49) 1,4-Dioxane	6.285	88	319	2.963	ug/l #	40
76) 1,2,3-Trichloropropane	9.998	75	253971	32.440	ug/l #	54
81) trans-1,4-Dichloro-2-b...	9.998	75	253971	86.961	ug/l #	10
94) Hexachlorobutadiene	13.368	225	2508	0.519	ug/l	85

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

Quant Time: Nov 14 00:17:58 2025
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Quant Title : SW846 8260
QLast Update : Fri Nov 14 00:16:53 2025
Response via : Initial Calibration

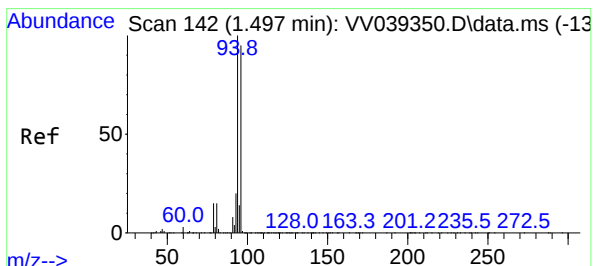
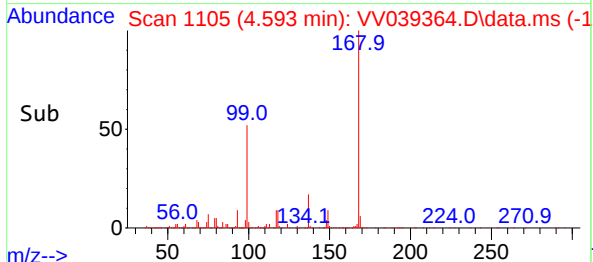
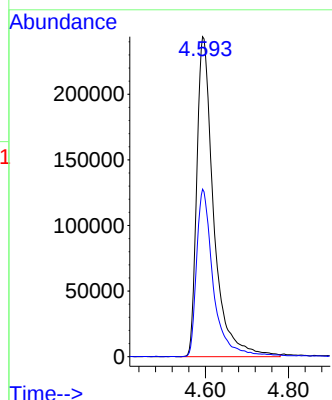
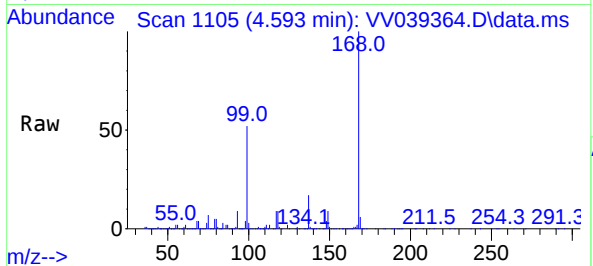




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

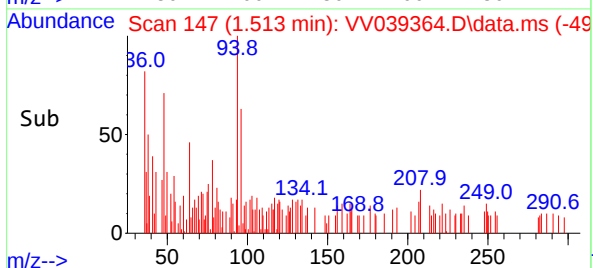
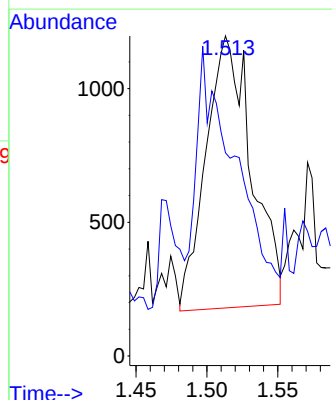
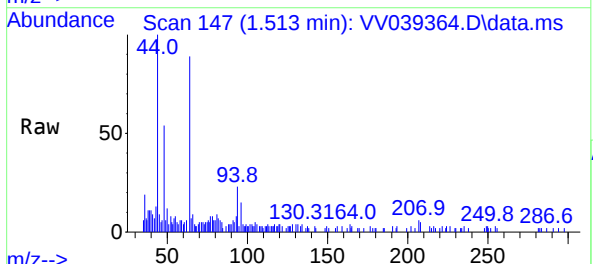
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

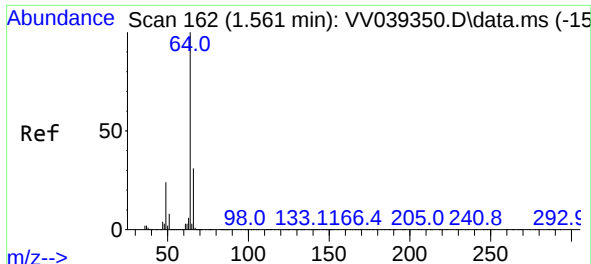
Tgt Ion:168 Resp: 687450
Ion Ratio Lower Upper
168 100
99 52.3 41.2 61.8



#5
Bromomethane
Concen: 0.812 ug/l
RT: 1.513 min Scan# 147
Delta R.T. 0.016 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 94 Resp: 2283
Ion Ratio Lower Upper
94 100
96 46.5 75.6 113.4#

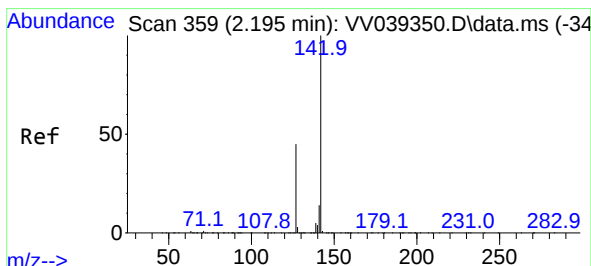
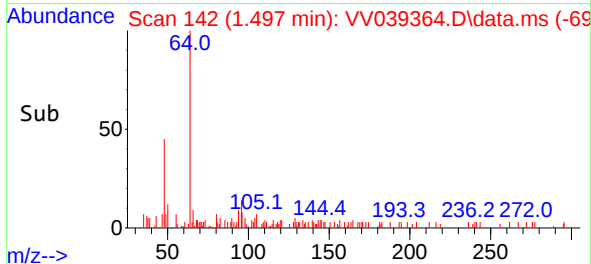
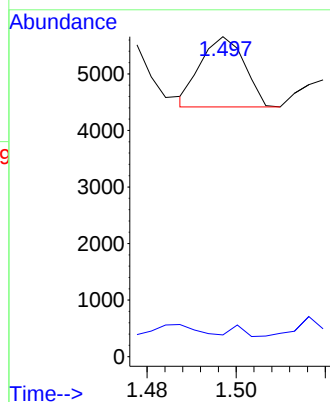
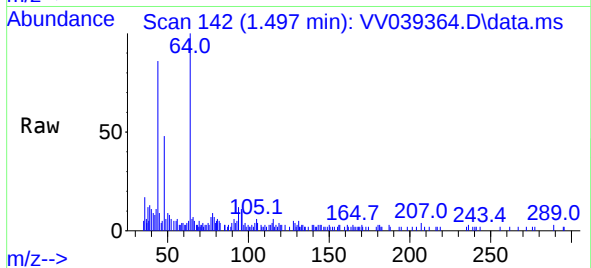




#6
Chloroethane
Concen: 0.242 ug/l
RT: 1.497 min Scan# 14
Delta R.T. -0.064 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

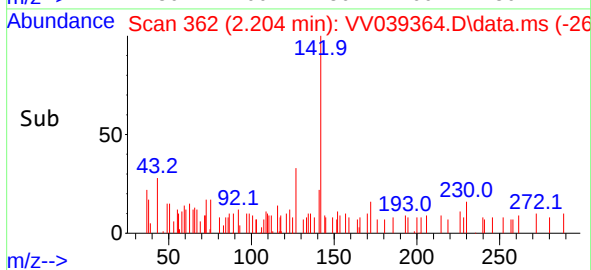
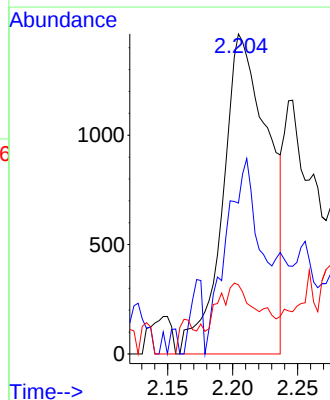
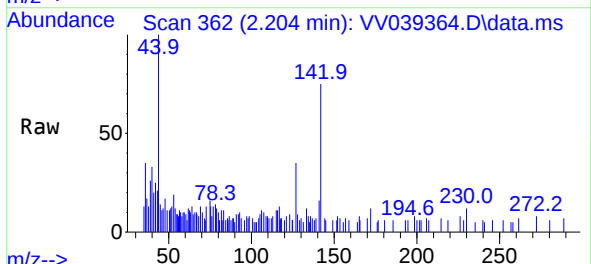
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

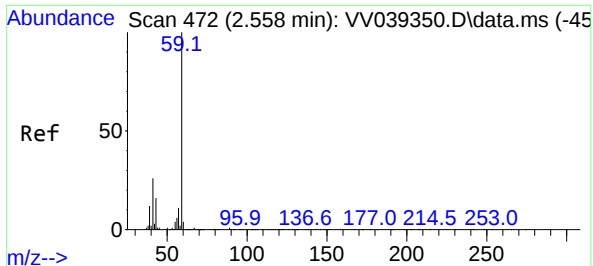
Tgt Ion: 64 Resp: 845
Ion Ratio Lower Upper
64 100
66 20.1 24.7 37.1#



#10
Methyl Iodide
Concen: 0.917 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.010 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion:142 Resp: 3573
Ion Ratio Lower Upper
142 100
127 45.7 35.1 52.7
141 9.8 11.9 17.9#

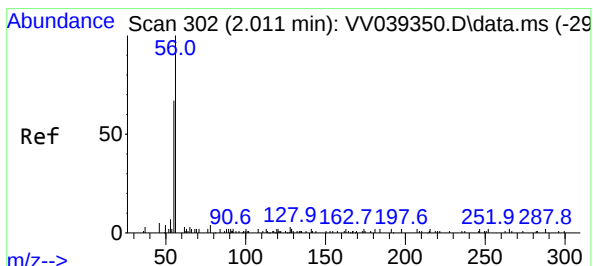
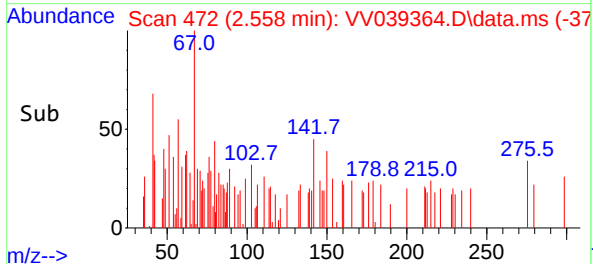
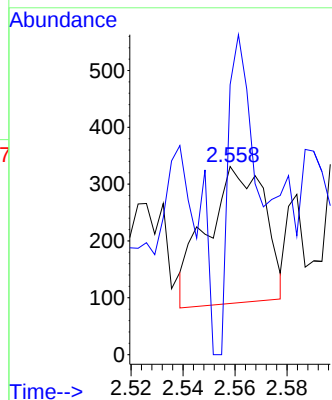
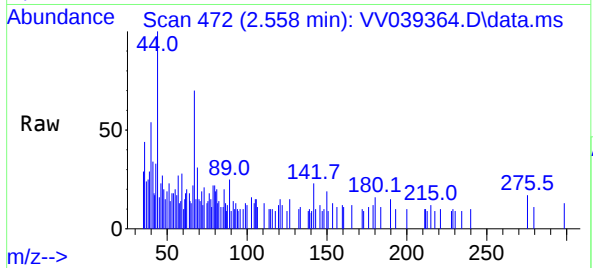




#11
Tert butyl alcohol
Concen: 0.407 ug/l
RT: 2.558 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

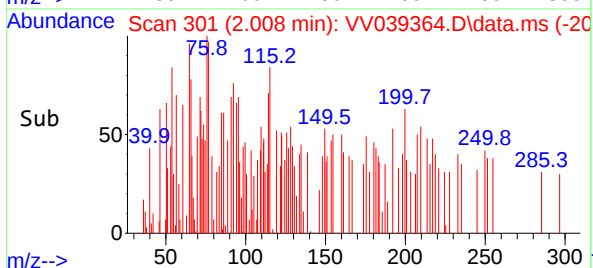
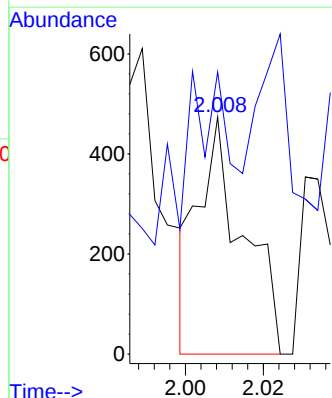
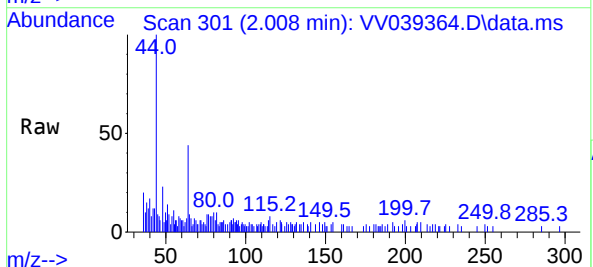
Instrument :
MSVOA_V
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VV1112MBL01

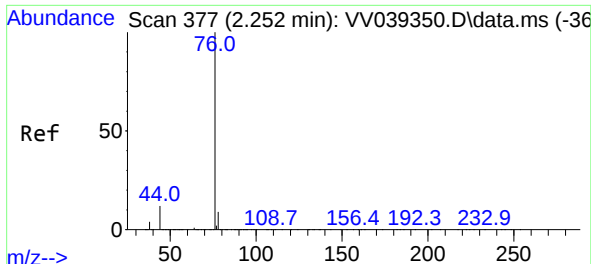
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 107.6 8.0 12.0#



#13
Acrolein
Concen: 4.435 ug/l
RT: 2.008 min Scan# 301
Delta R.T. -0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 56 Resp: 378
Ion Ratio Lower Upper
56 100
55 72.0 55.2 82.8

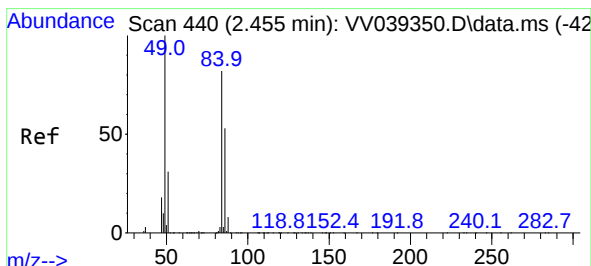
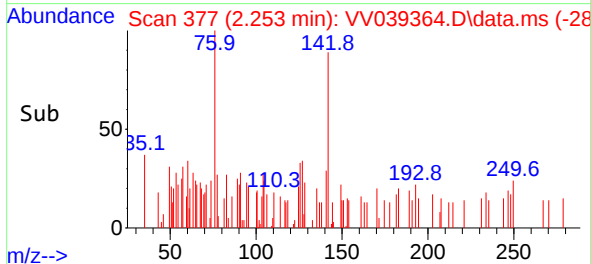
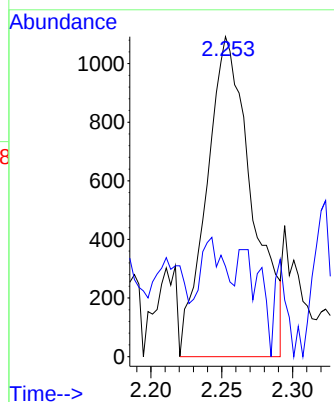
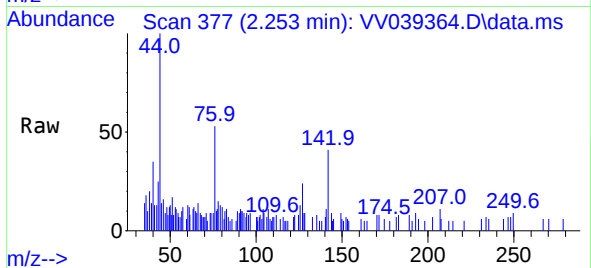




#17
Carbon Disulfide
Concen: 0.307 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

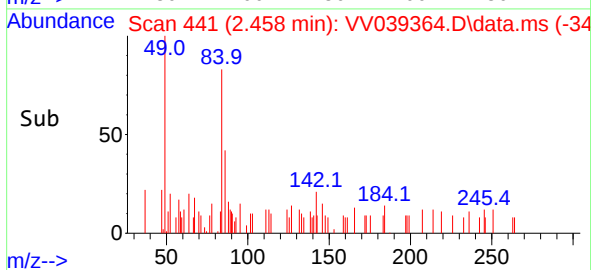
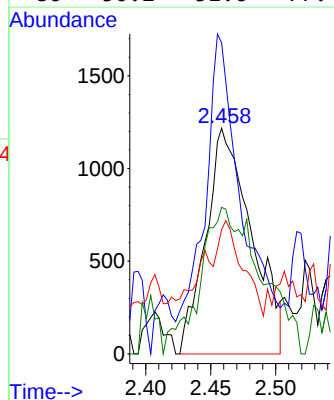
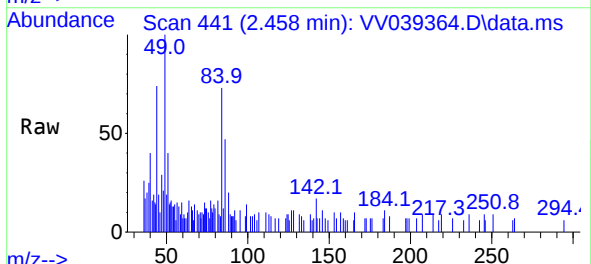
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

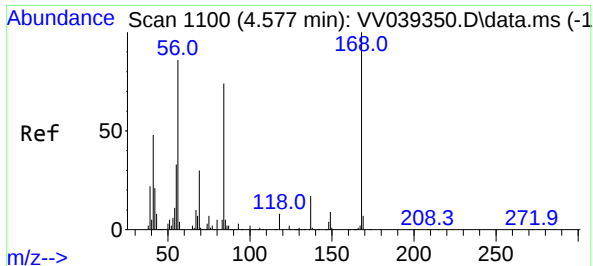
Tgt Ion: 76 Resp: 2426
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.431 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 84 Resp: 2986
Ion Ratio Lower Upper
84 100
49 118.6 97.8 146.8
51 30.7 30.2 45.4
86 50.2 51.6 77.4#

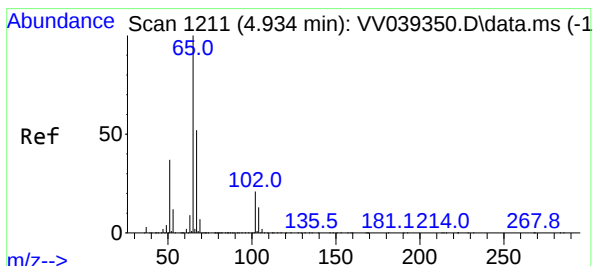
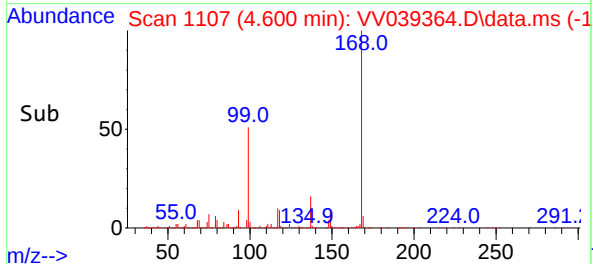
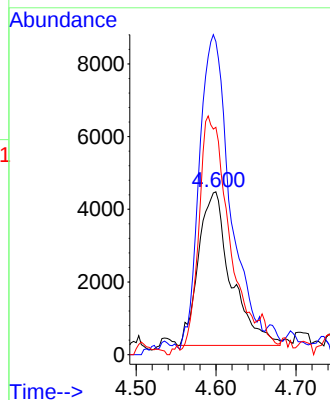
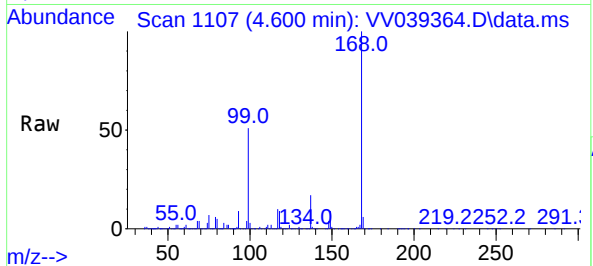




#31
Cyclohexane
Concen: 1.625 ug/l
RT: 4.600 min Scan# 1100
Delta R.T. 0.023 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

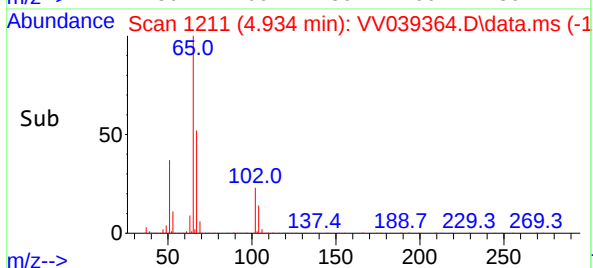
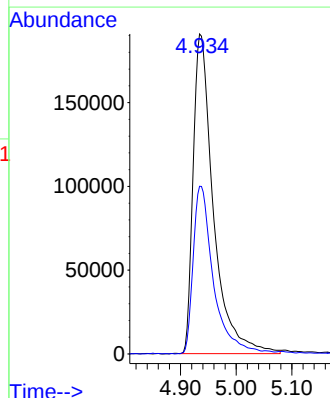
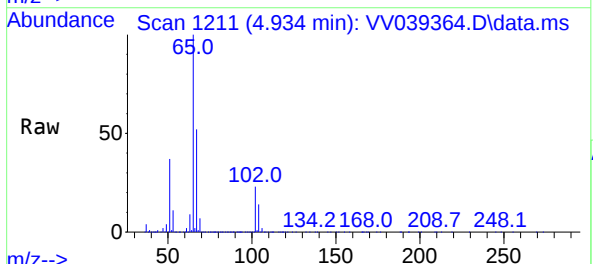
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

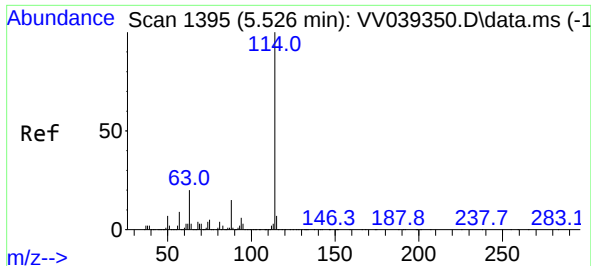
Tgt Ion: 56 Resp: 11982
Ion Ratio Lower Upper
56 100
69 200.2 27.7 41.5#
84 141.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 56.898 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 65 Resp: 482546
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.526 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039364.D

Acq: 12 Nov 2025 10:04

Instrument :

MSVOA_V

ClientSampleId :

VV1112MBL01

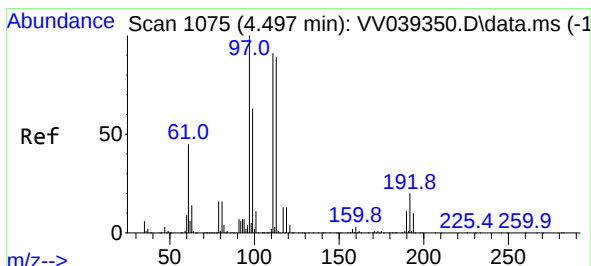
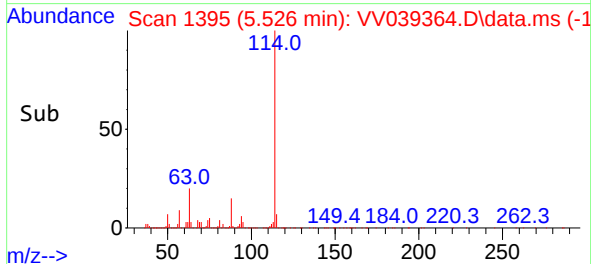
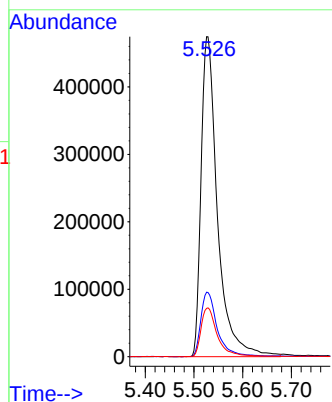
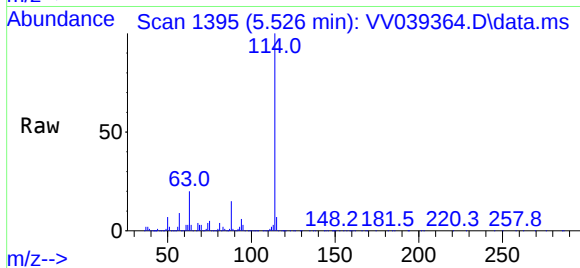
Tgt Ion:114 Resp: 1110064

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.140 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. 0.000 min

Lab File: VV039364.D

Acq: 12 Nov 2025 10:04

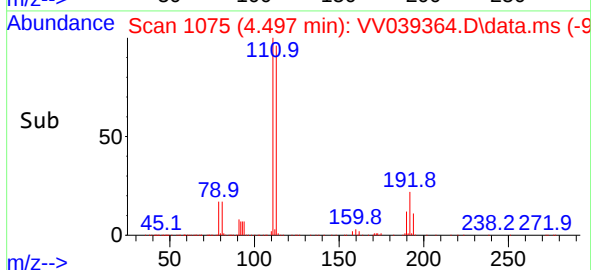
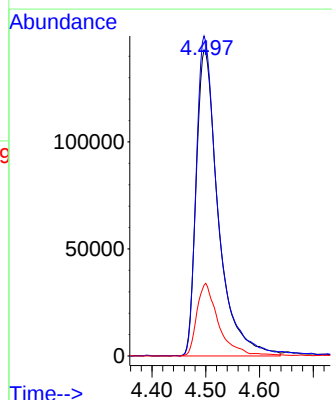
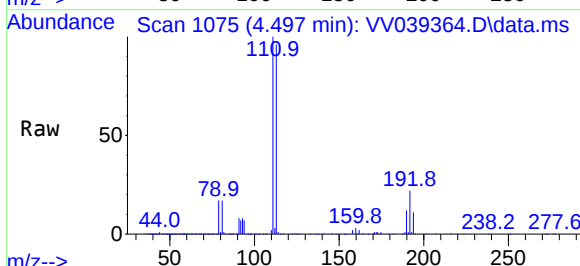
Tgt Ion:113 Resp: 409864

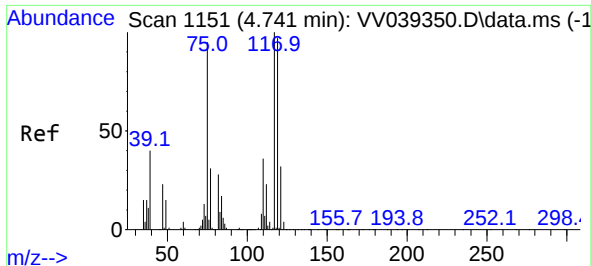
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 22.8 17.8 26.8

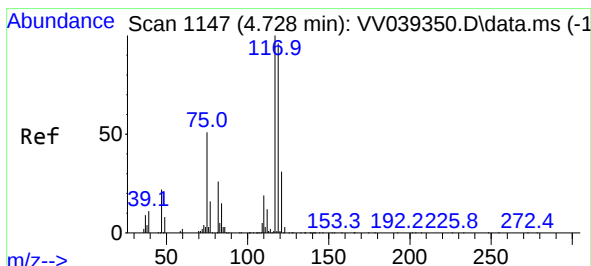
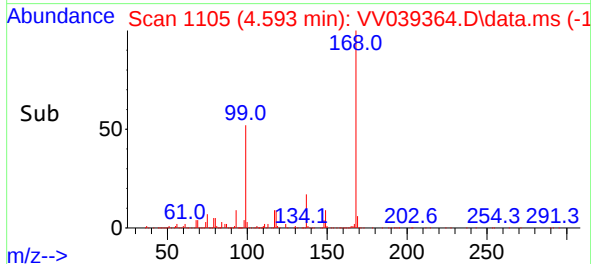
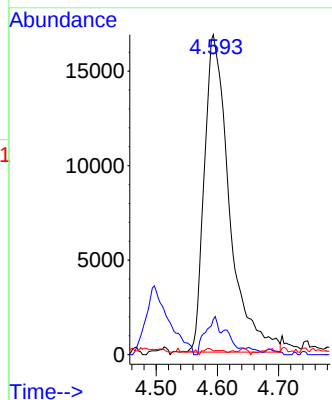
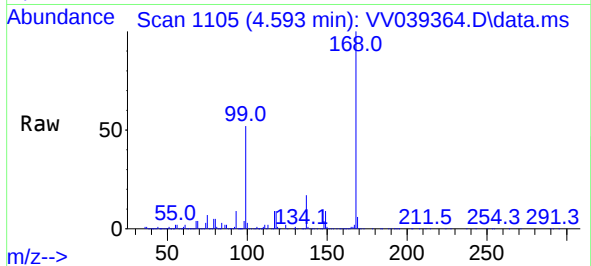




#36
1,1-Dichloropropene
Concen: 6.528 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.148 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

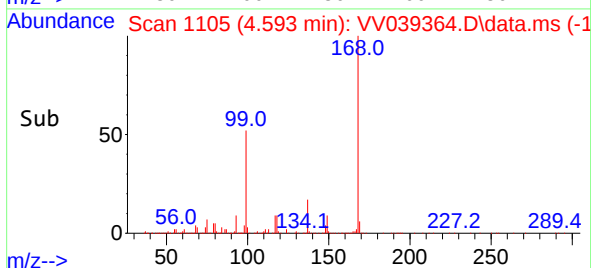
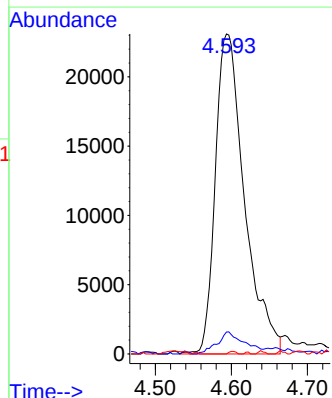
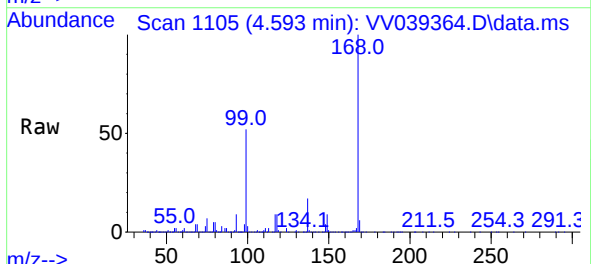
Instrument :
MSVOA_V
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VV1112MBL01

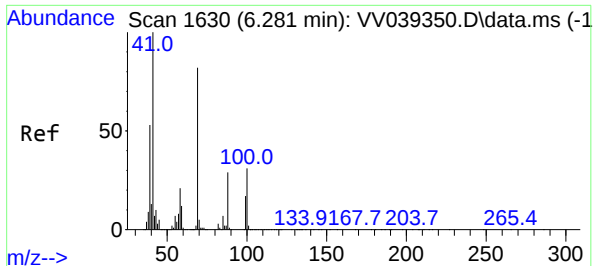
Tgt Ion: 75 Resp: 47873
Ion Ratio Lower Upper
75 100
110 6.5 18.1 54.4#
77 0.8 24.0 36.0#



#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 117 Resp: 61461
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 25.0 37.4#

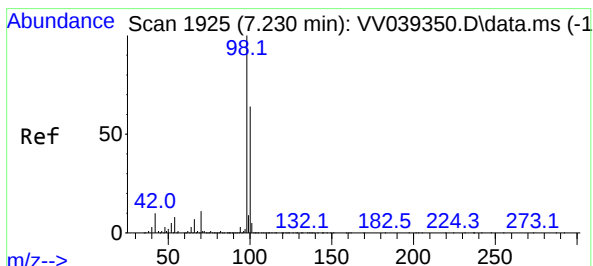
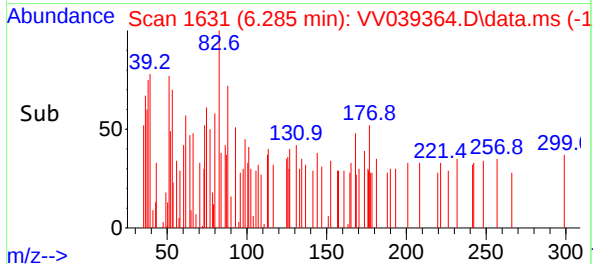
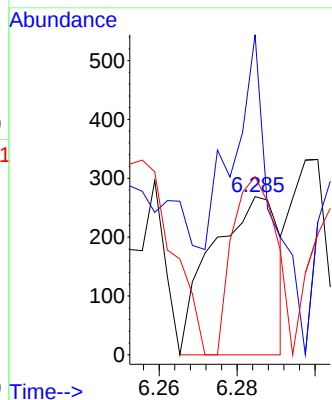
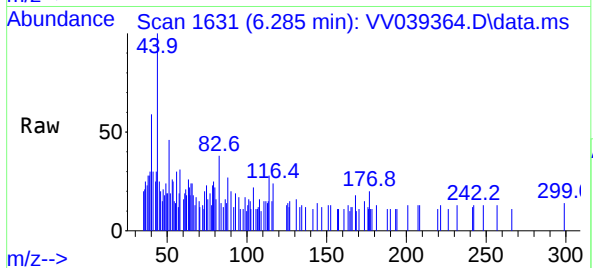




#49
1,4-Dioxane
Concen: 2.963 ug/l
RT: 6.285 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

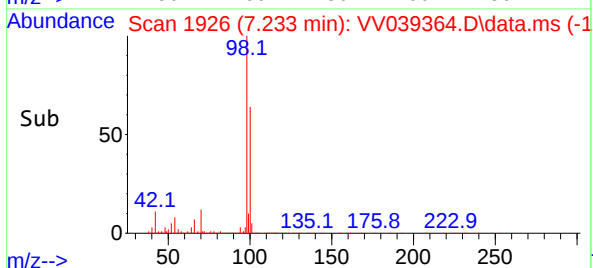
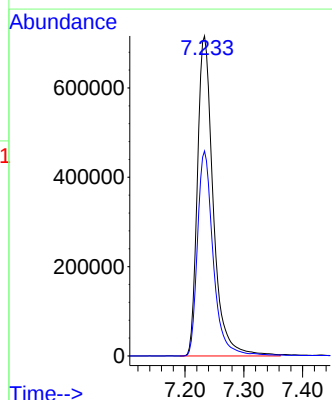
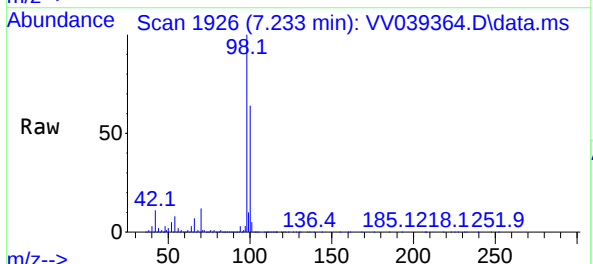
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

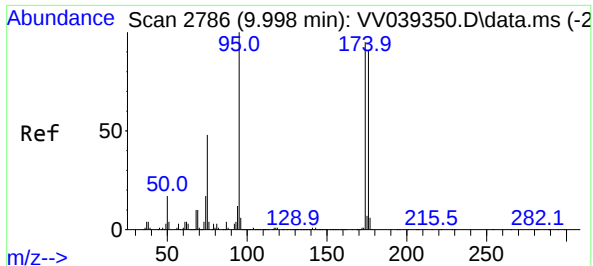
Tgt Ion: 88 Resp: 319
Ion Ratio Lower Upper
88 100
43 132.3 26.6 40.0#
58 73.4 55.4 83.0



#50
Toluene-d8
Concen: 47.515 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 98 Resp: 1336833
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

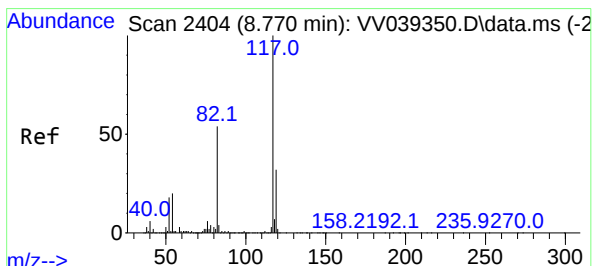
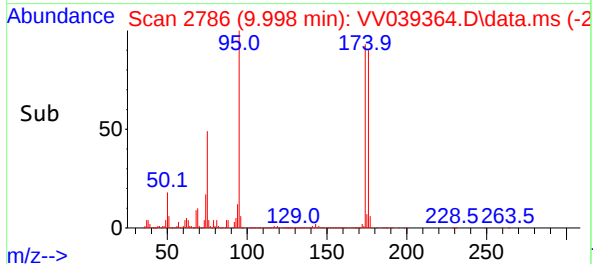
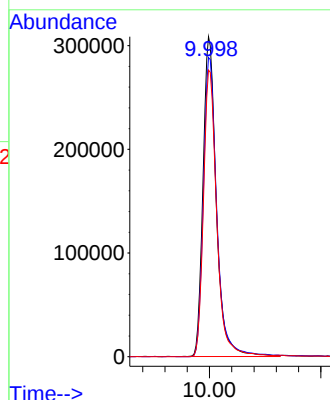
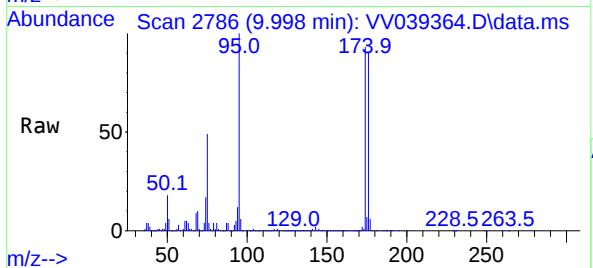




#62
4-Bromofluorobenzene
Concen: 47.282 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

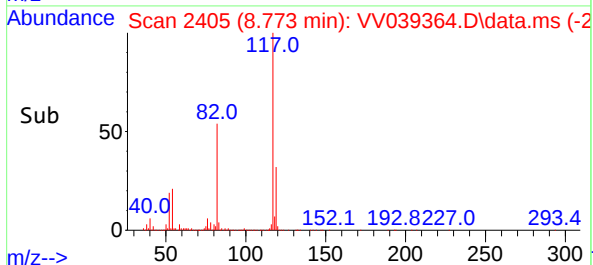
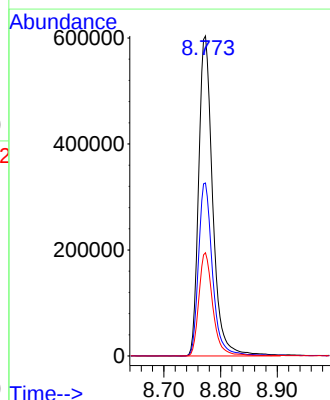
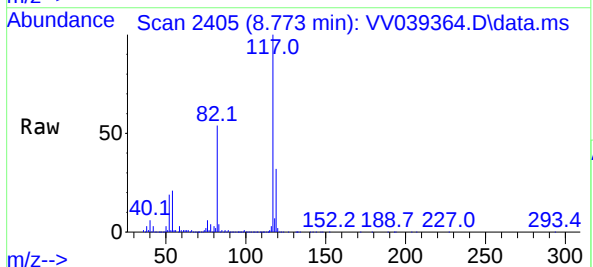
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

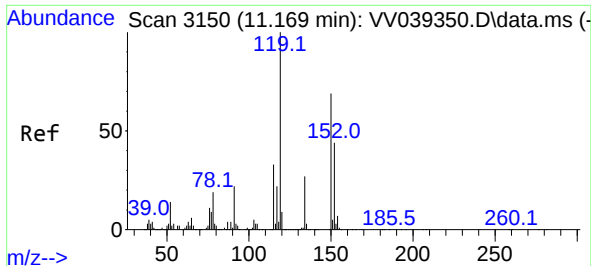
Tgt Ion:	95	Resp:	511162
Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	187.6
176	89.8	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion:	117	Resp:	1038812
Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.9	64.3
119	32.2	25.5	38.3

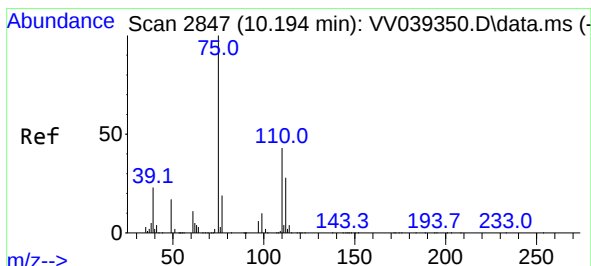
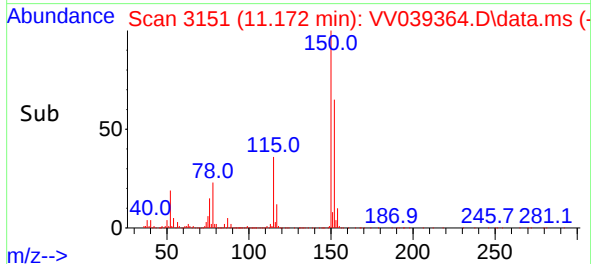
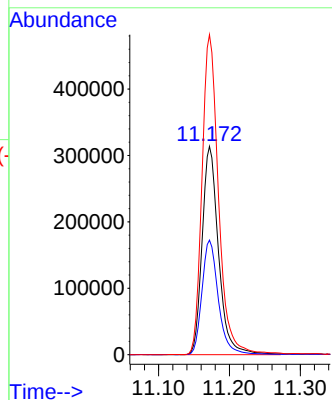
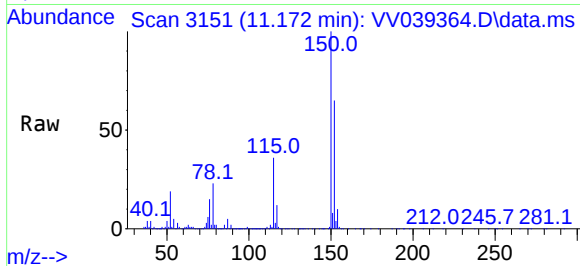




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

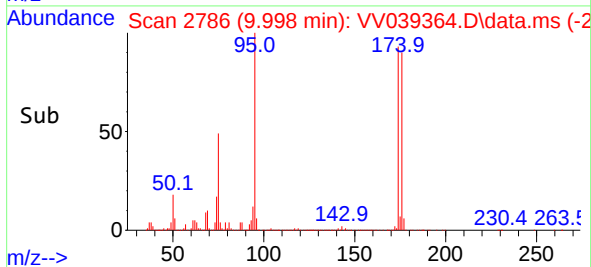
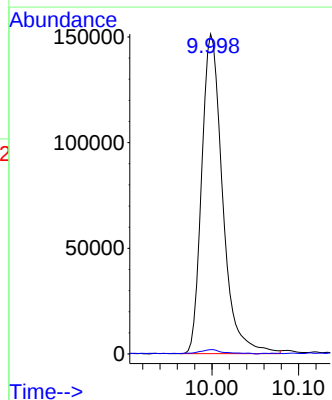
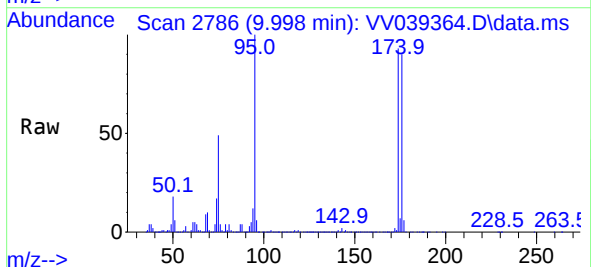
Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

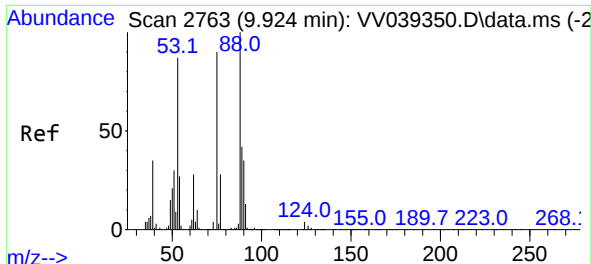
Tgt Ion:152 Resp: 504387
Ion Ratio Lower Upper
152 100
115 54.9 37.3 111.9
150 154.6 0.0 340.4



#76
1,2,3-Trichloropropane
Concen: 32.440 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.196 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 75 Resp: 253971
Ion Ratio Lower Upper
75 100
77 1.1 11.8 35.3#

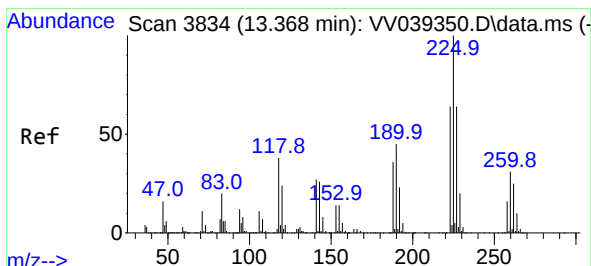
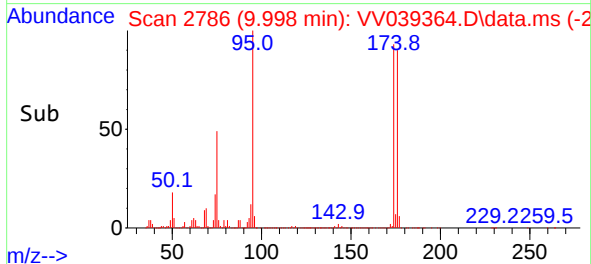
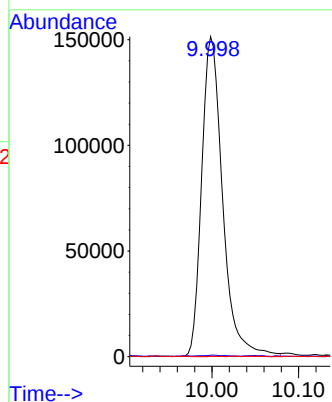
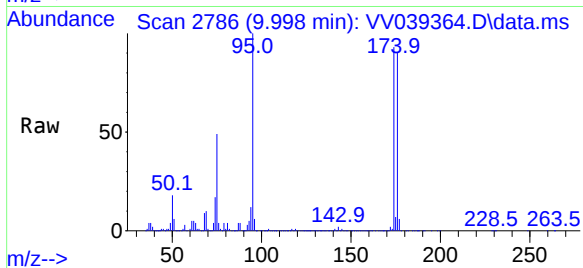




#81
trans-1,4-Dichloro-2-butene
Concen: 86.961 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Instrument :
MSVOA_V
ClientSampleId :
VV1112MBL01

Tgt Ion: 75 Resp: 253971
Ion Ratio Lower Upper
75 100
53 0.4 79.0 118.6#
89 0.1 40.4 60.6#



#94
Hexachlorobutadiene
Concen: 0.519 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039364.D
Acq: 12 Nov 2025 10:04

Tgt Ion: 225 Resp: 2508
Ion Ratio Lower Upper
225 100
223 82.6 31.1 93.5
227 66.5 31.7 95.1

