

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039386.D
 Acq On : 17 Nov 2025 12:01
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010232

Quant Time: Nov 18 01:02:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:01:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1051725	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1077440	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	607088	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	107247	11.673	ug/L	0.00
7) Chloroethane-d5	1.548	69	80664	10.010	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	44016	10.074	ug/L	0.00
21) 2-Butanone-d5	3.815	46	65138	9.994	ug/L	0.03
24) Chloroform-d	4.259	84	173061	9.315	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	111414	10.266	ug/L	0.00
32) Benzene-d6	4.966	84	321357	9.466	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	103692	9.304	ug/L	0.00
41) Toluene-d8	7.239	98	289087	9.567	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	47057	9.492	ug/L	0.01
47) 2-Hexanone-d5	8.021	63	60335	13.488	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	155650	9.441	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	114149	9.561	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	77475	6.709	ug/L	100
3) Chloromethane	1.230	50	84820	7.203	ug/L	100
5) Vinyl chloride	1.298	62	96485	7.863	ug/L	99
6) Bromomethane	1.500	94	50305	8.150	ug/L	94
8) Chloroethane	1.564	64	64297	8.604	ug/L	98
9) Trichlorofluoromethane	1.728	101	155652	9.302	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	95241	9.536	ug/L	99
12) 1,1-Dichloroethene	2.085	96	80022	8.968	ug/L	92
13) Acetone	2.121	43	166790	33.535	ug/L	98
14) Carbon disulfide	2.256	76	230524	8.590	ug/L	100
15) Methyl Acetate	2.387	43	96071	8.143	ug/L	96
16) Methylene chloride	2.458	84	96747	9.352	ug/L	99
17) trans-1,2-Dichloroethene	2.709	96	80091	8.891	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	229543	8.448	ug/L	99
19) 1,1-Dichloroethane	3.121	63	163160	8.791	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	85117	8.811	ug/L	98
22) 2-Butanone	3.603	43	355	0.050	ug/L	81
23) Bromochloromethane	4.159	128	54483	10.410	ug/L	97
25) Chloroform	4.281	83	182376	9.841	ug/L	99
27) 1,2-Dichloroethane	5.047	62	132304	9.467	ug/L	99
29) Cyclohexane	4.590	56	112393	7.534	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	156266	9.876	ug/L	99
31) Carbon tetrachloride	4.738	117	144932	10.420	ug/L	99
33) Benzene	5.011	78	333685	8.941	ug/L	100
34) Trichloroethene	5.838	95	89890	9.037	ug/L	98
35) Methylcyclohexane	6.047	83	121491	7.906	ug/L	98
37) 1,2-Dichloropropane	6.092	63	93230	8.694	ug/L	98
38) Bromodichloromethane	6.432	83	132720	9.413	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	128957	8.328	ug/L	97
40) 4-Methyl-2-pentanone	7.149	43	213795	14.889	ug/L	97
42) Toluene	7.310	91	347707	8.990	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	135022	8.991	ug/L	96

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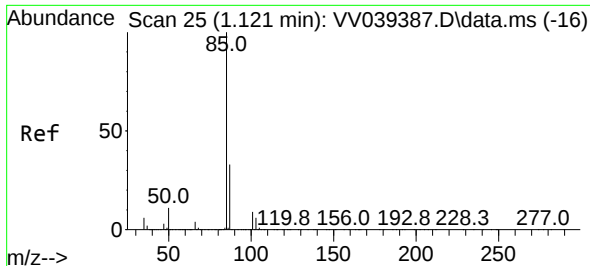
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.760	97	102093	9.599	ug/L	96
46) Tetrachloroethene	7.899	164	83660	10.966	ug/L	98
48) 2-Hexanone	8.069	43	170423	15.993	ug/L #	91
49) Dibromochloromethane	8.169	129	116543	10.597	ug/L	100
50) 1,2-Dibromoethane	8.275	107	109585	10.002	ug/L	98
51) Chlorobenzene	8.805	112	257000	9.756	ug/L	100
52) Ethylbenzene	8.937	91	359399	8.603	ug/L	97
53) m,p-Xylene	9.066	106	133038	8.631	ug/L	99
54) o-Xylene	9.468	106	124536	8.352	ug/L	99
55) Styrene	9.487	104	217523	8.380	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	166195	9.544	ug/L	98
59) Bromoform	9.654	173	93468	10.753	ug/L	100
60) Isopropylbenzene	9.857	105	337752	7.973	ug/L	100
61) 1,2,3-Trichloropropane	10.197	75	124591	8.651	ug/L	100
62) 1,3,5-Trimethylbenzene	10.464	105	242789	7.347	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	233936	7.194	ug/L	100
64) 1,3-Dichlorobenzene	11.107	146	197139	9.504	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	220740	9.897	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	198074	9.454	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	34080	8.292	ug/L	99
69) 1,3,5-Trichlorobenzene	12.570	180	134516	9.617	ug/L	98
70) 1,2,4-trichlorobenzene	13.188	180	108126	9.038	ug/L	98
71) Naphthalene	13.426	128	265510	6.534	ug/L	98
72) 1,2,3-Trichlorobenzene	13.667	180	115820	9.278	ug/L	96

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

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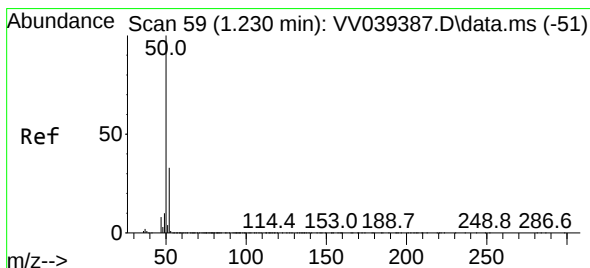
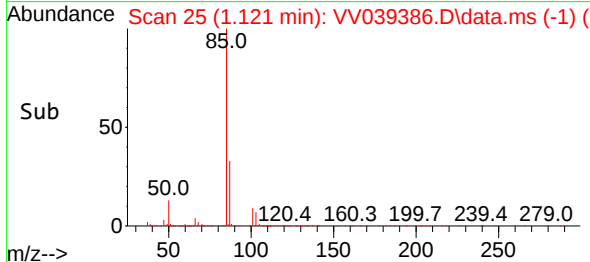
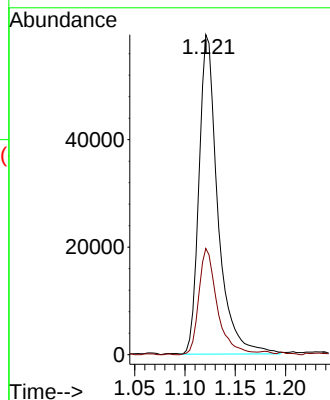
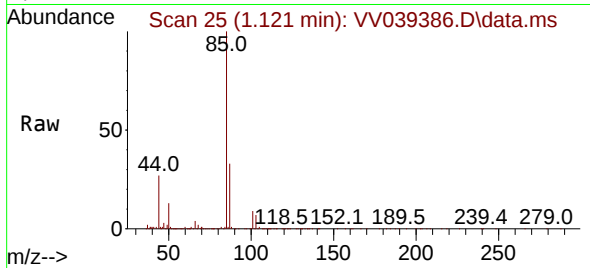




#2
 Dichlorodifluoromethane
 Concen: 6.709 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

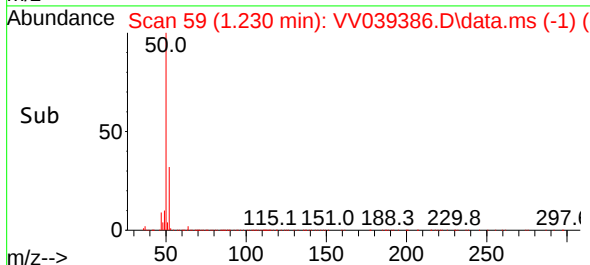
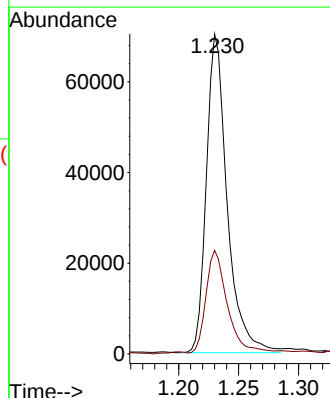
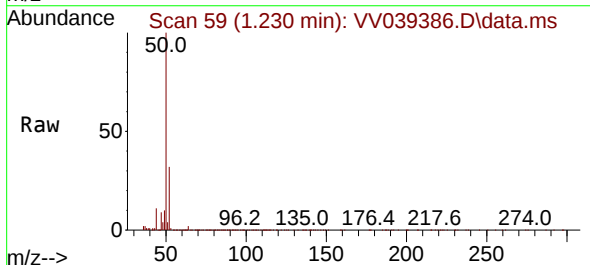
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010232

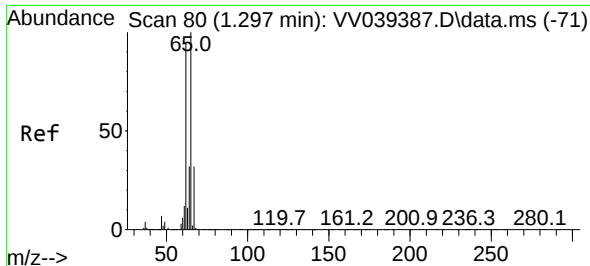
Tgt Ion: 85 Resp: 77475
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 7.203 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

Tgt Ion: 50 Resp: 84820
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.3

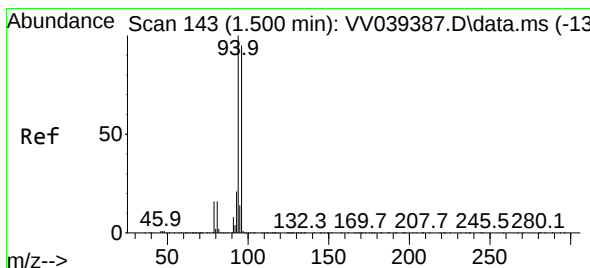
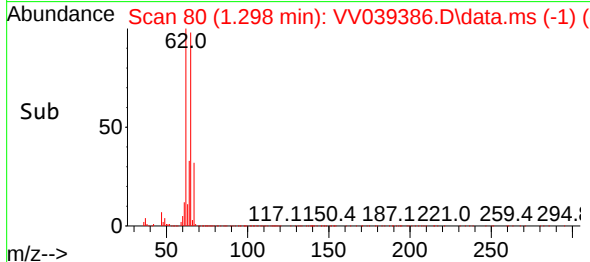
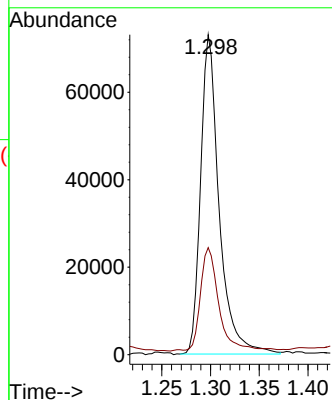
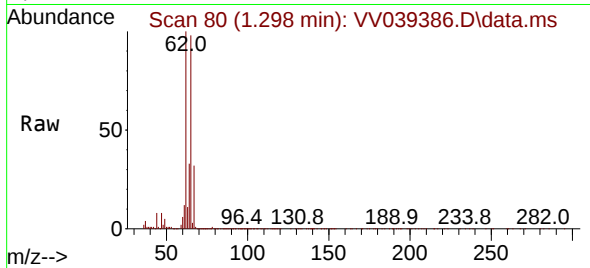




#5
 Vinyl chloride
 Concen: 7.863 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

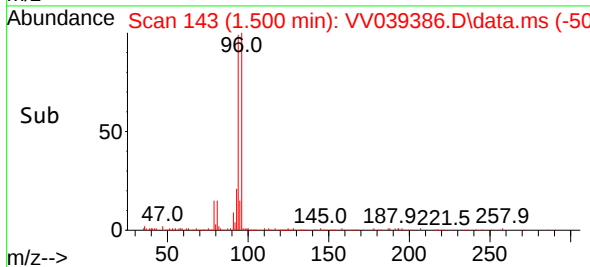
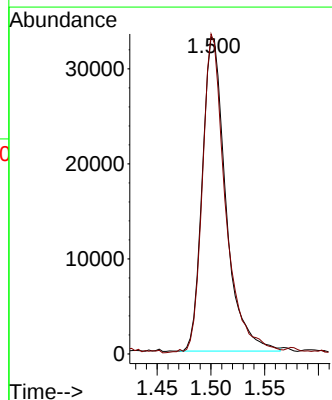
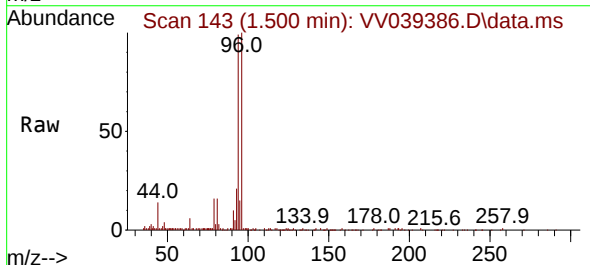
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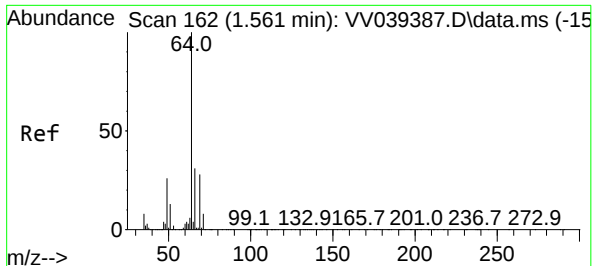
Tgt Ion: 62 Resp: 96485
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.7 44.1



#6
 Bromomethane
 Concen: 8.150 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

Tgt Ion: 94 Resp: 50305
 Ion Ratio Lower Upper
 94 100
 96 101.0 66.6 123.8

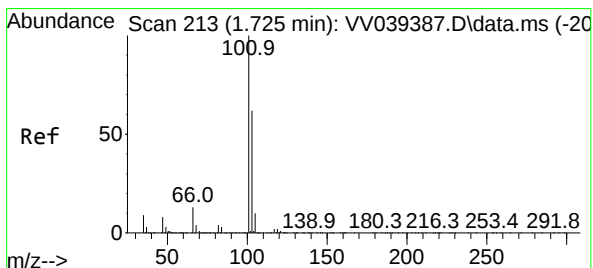
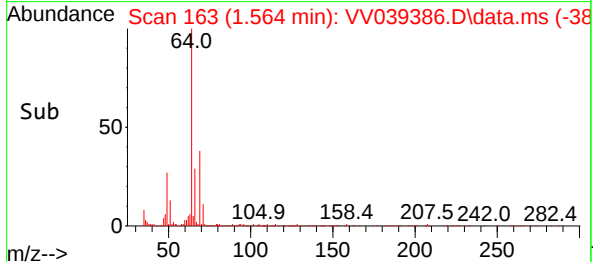
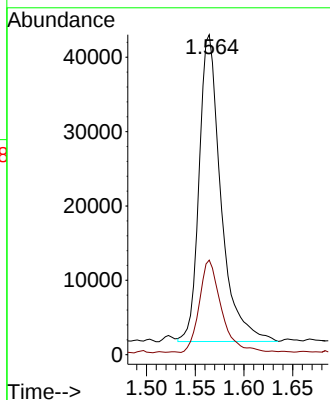
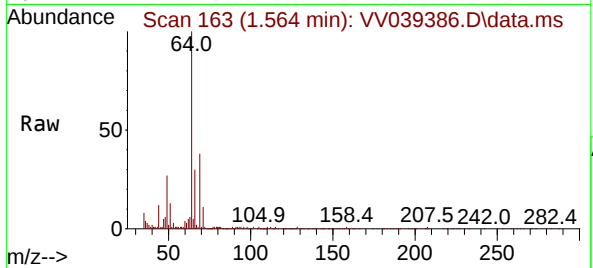




#8
Chloroethane
Concen: 8.604 ug/L
RT: 1.564 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

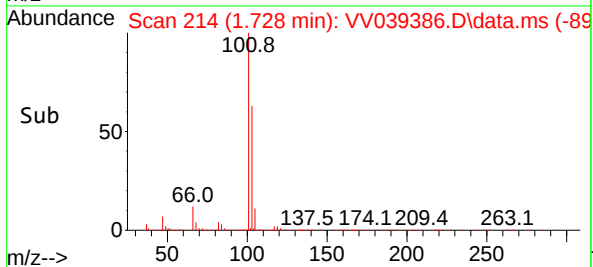
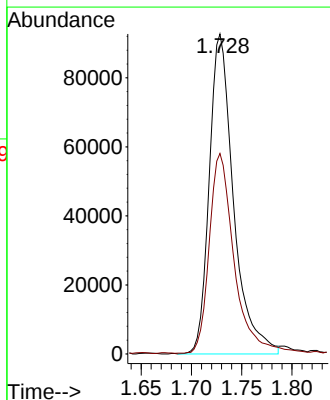
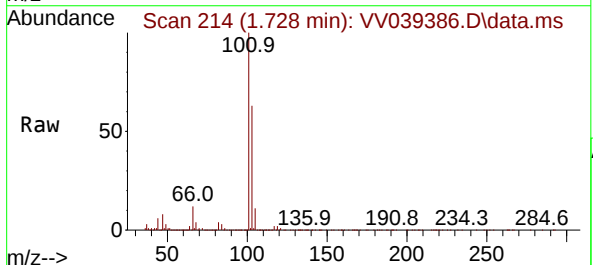
Instrument :
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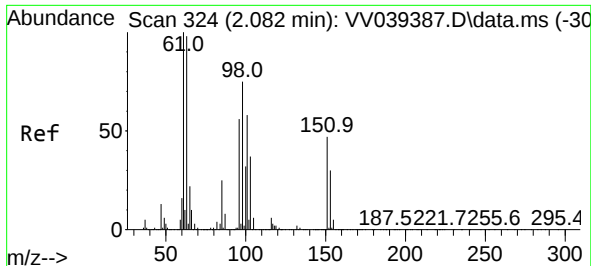
Tgt Ion: 64 Resp: 64297
Ion Ratio Lower Upper
64 100
66 29.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 9.302 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 101 Resp: 155652
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.6

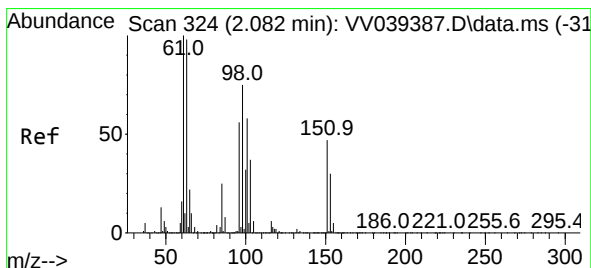
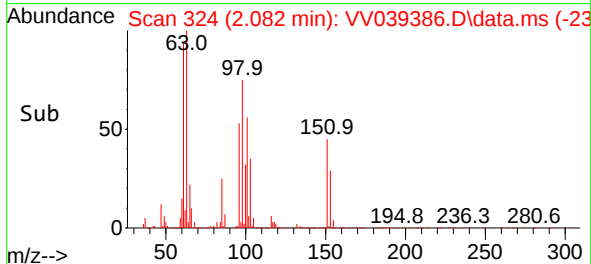
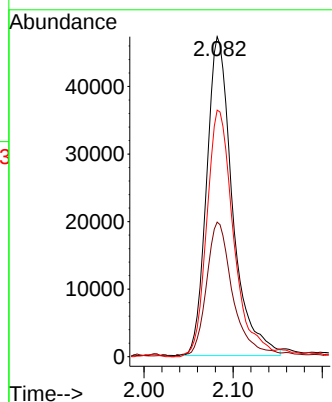
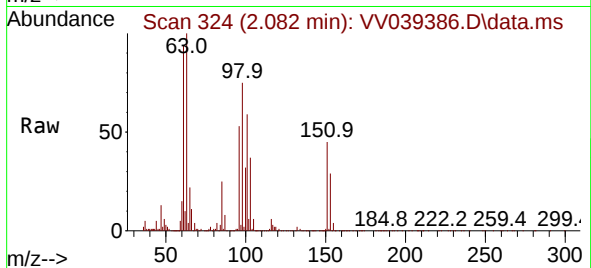




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.536 ug/L
 RT: 2.082 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

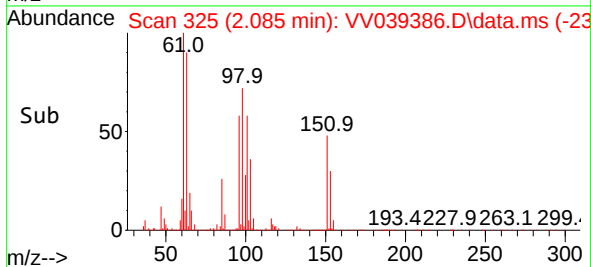
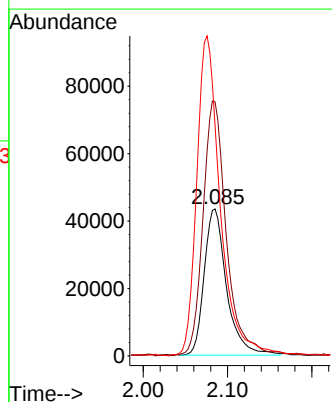
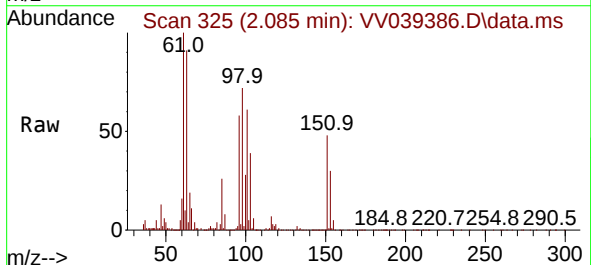
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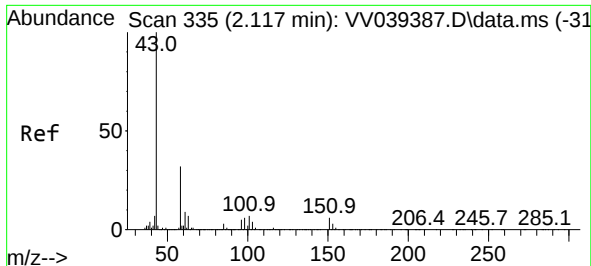
Tgt Ion:101 Resp: 95241
 Ion Ratio Lower Upper
 101 100
 85 41.3 33.7 50.5
 151 79.9 63.6 95.4



#12
 1,1-Dichloroethene
 Concen: 8.968 ug/L
 RT: 2.085 min Scan# 325
 Delta R.T. 0.003 min
 Lab File: VV039386.D
 Acq: 17 Nov 2025 12:01

Tgt Ion: 96 Resp: 80022
 Ion Ratio Lower Upper
 96 100
 61 172.8 124.3 230.8
 63 156.8 121.8 226.2





#13

Acetone

Concen: 33.535 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

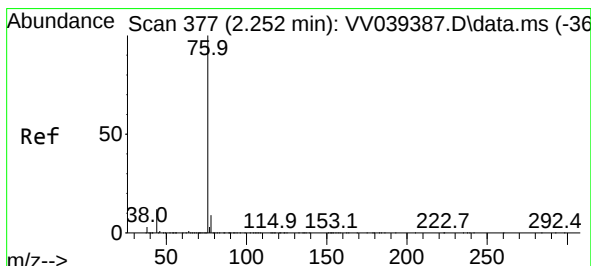
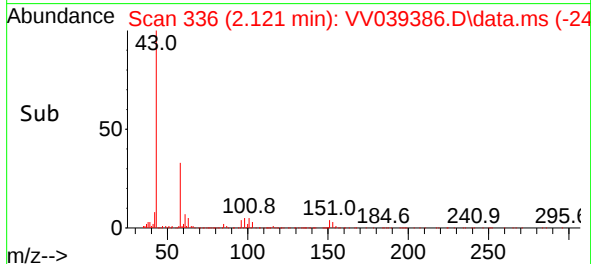
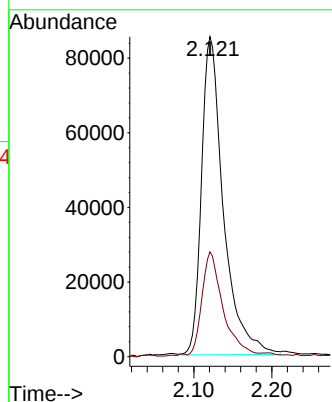
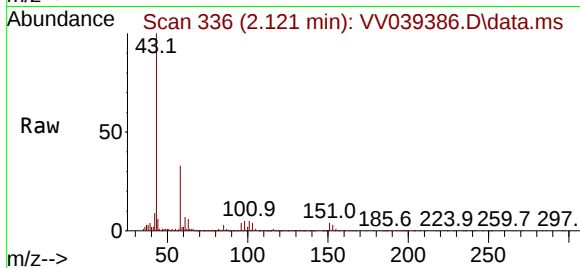
VSTD010232

Tgt Ion: 43 Resp: 166790

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.2



#14

Carbon disulfide

Concen: 8.590 ug/L

RT: 2.256 min Scan# 378

Delta R.T. 0.003 min

Lab File: VV039386.D

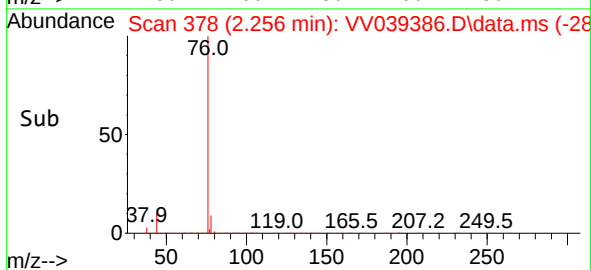
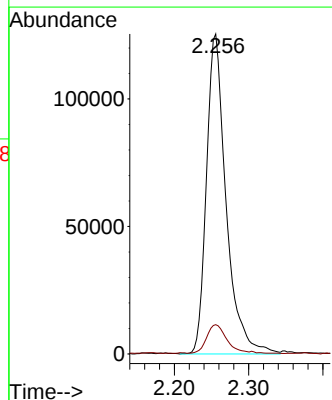
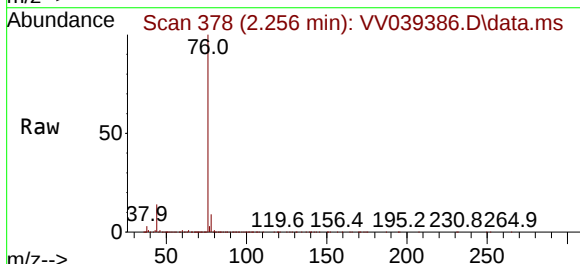
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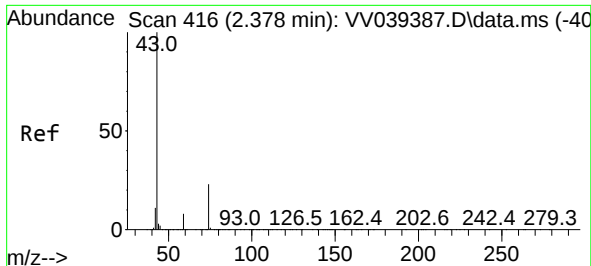
Tgt Ion: 76 Resp: 230524

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

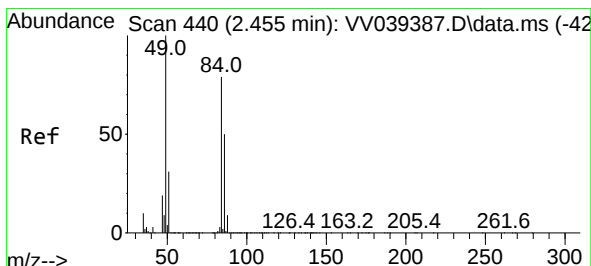
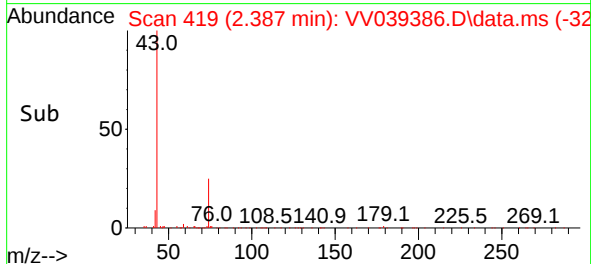
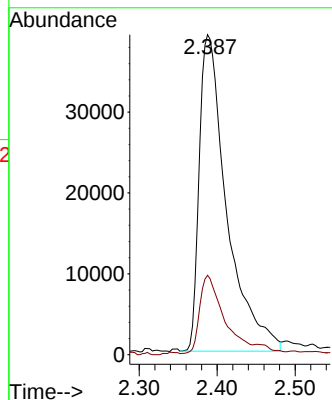
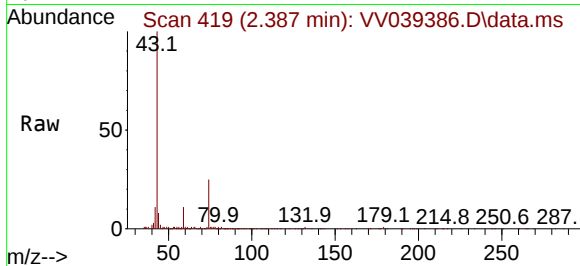




#15
Methyl Acetate
Concen: 8.143 ug/L
RT: 2.387 min Scan# 416
Delta R.T. 0.010 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

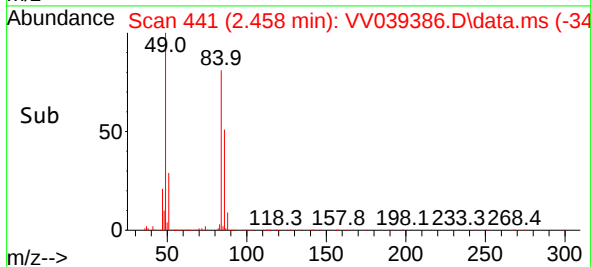
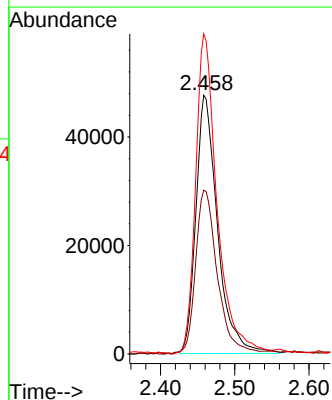
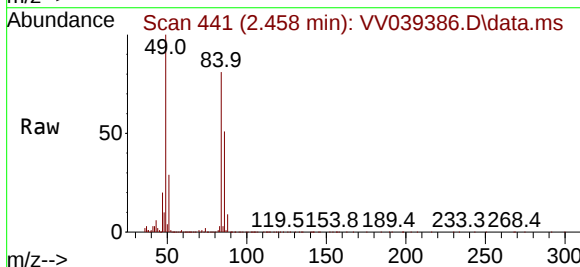
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MSVOA_V
ClientSampleId :
VSTD010232

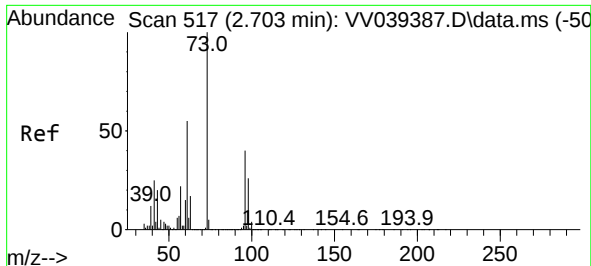
Tgt Ion: 43 Resp: 96071
Ion Ratio Lower Upper
43 100
74 21.5 18.7 28.1



#16
Methylene chloride
Concen: 9.352 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 84 Resp: 96747
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.5
49 123.7 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 8.891 ug/L

RT: 2.709 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

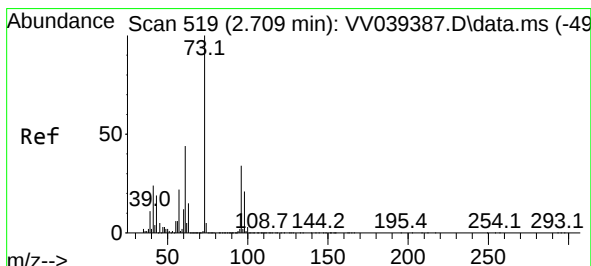
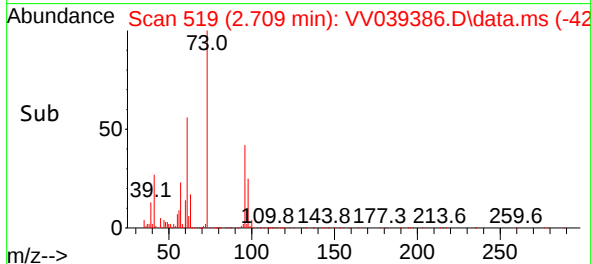
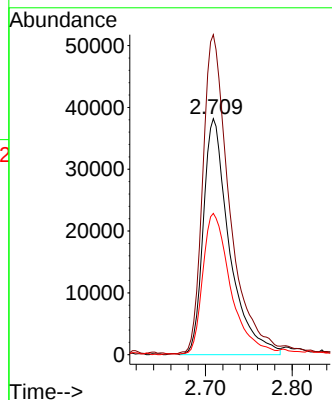
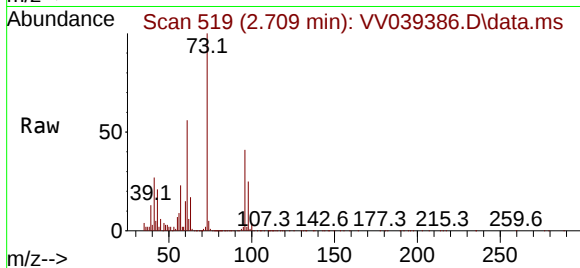
Tgt Ion: 96 Resp: 80091

Ion Ratio Lower Upper

96 100

61 135.6 96.1 178.5

98 59.9 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 8.448 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

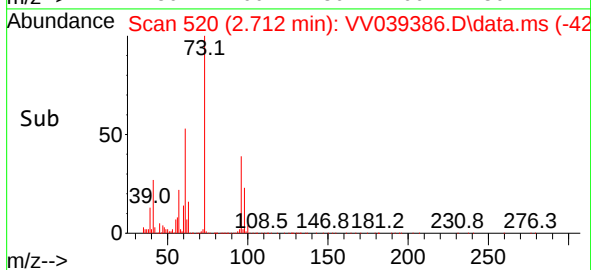
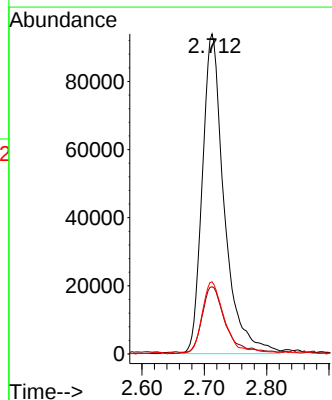
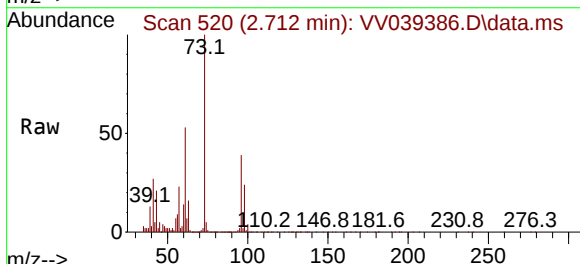
Tgt Ion: 73 Resp: 229543

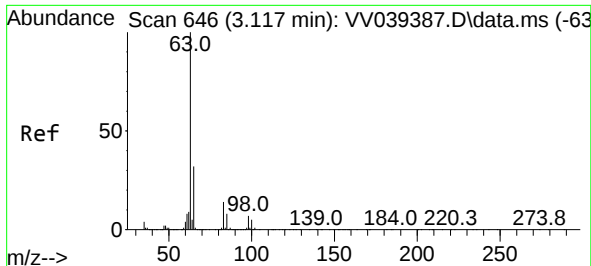
Ion Ratio Lower Upper

73 100

43 20.5 15.4 23.2

57 22.2 17.6 26.4

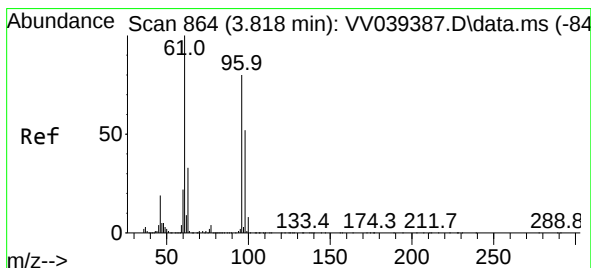
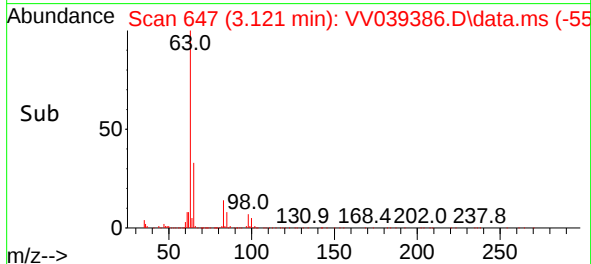
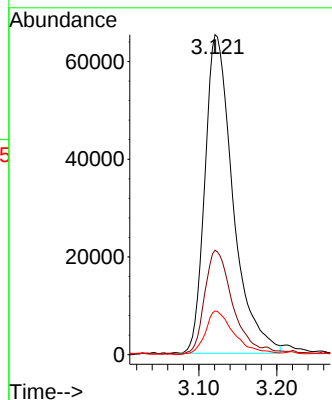
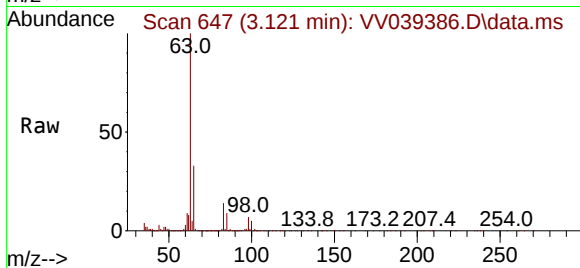




#19
1,1-Dichloroethane
Concen: 8.791 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

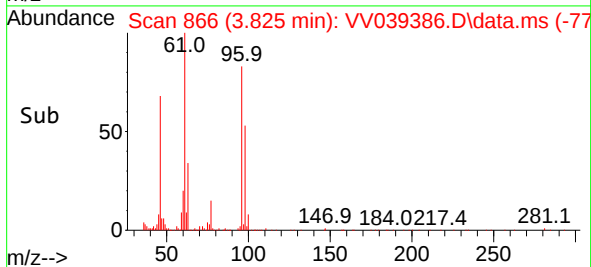
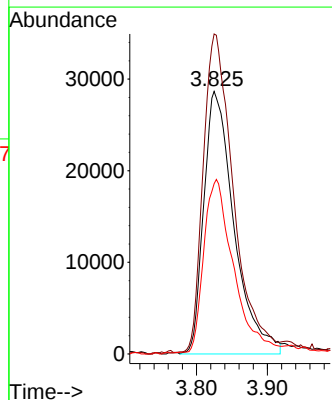
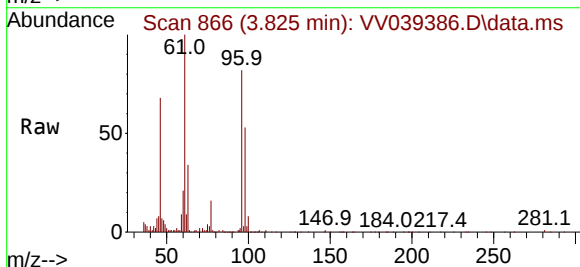
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

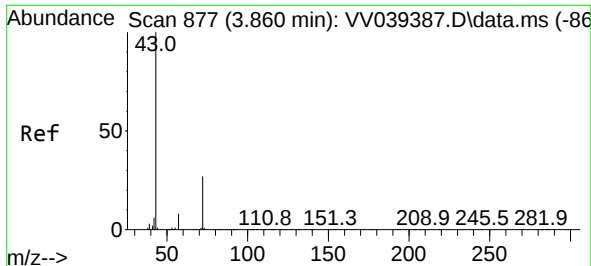
Tgt Ion: 63 Resp: 163160
Ion Ratio Lower Upper
63 100
65 32.6 22.4 41.6
83 13.7 9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 8.811 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.006 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 96 Resp: 85117
Ion Ratio Lower Upper
96 100
61 121.9 87.3 162.1
98 64.8 45.1 83.7

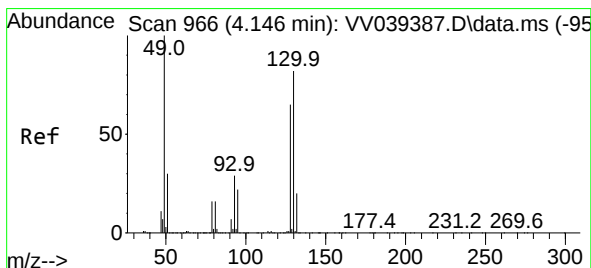
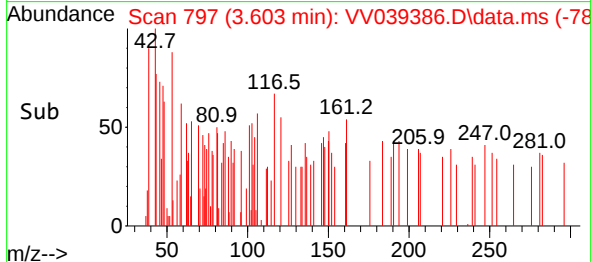
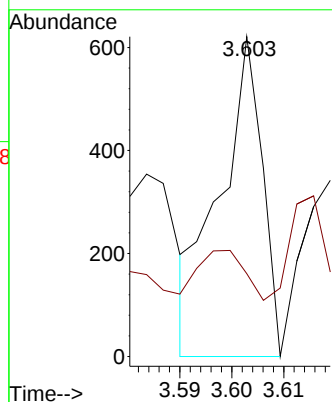
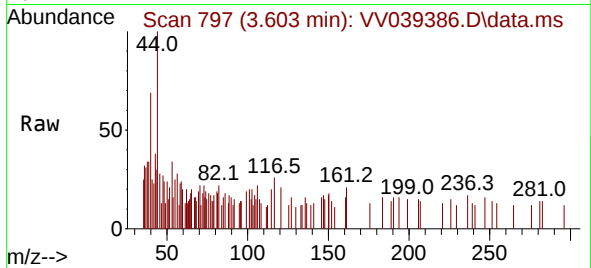




#22
2-Butanone
Concen: 0.050 ug/L
RT: 3.603 min Scan# 79
Delta R.T. -0.257 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

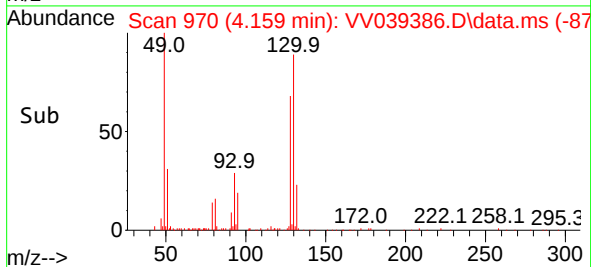
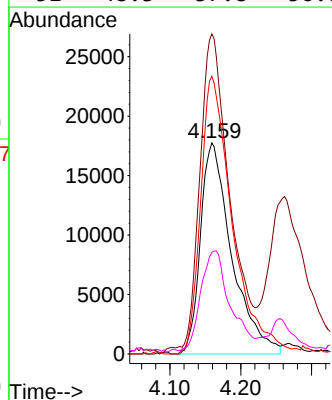
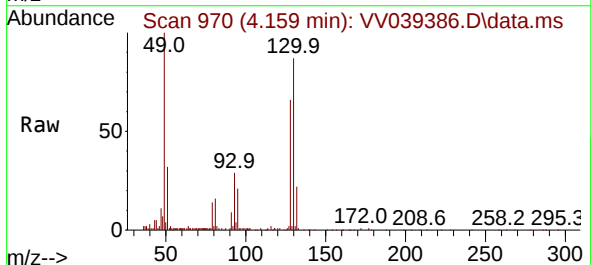
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

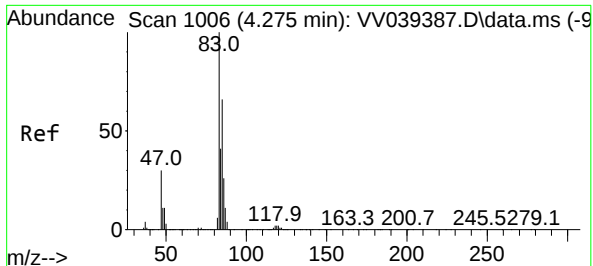
Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
72 16.6 13.3 39.9



#23
Bromochloromethane
Concen: 10.410 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.013 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion:128 Resp: 54483
Ion Ratio Lower Upper
128 100
49 151.7 108.6 201.6
130 131.6 89.2 165.6
51 48.3 37.8 56.8

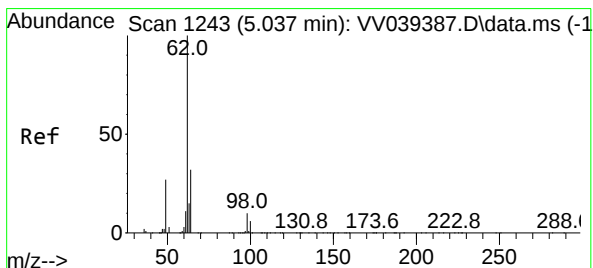
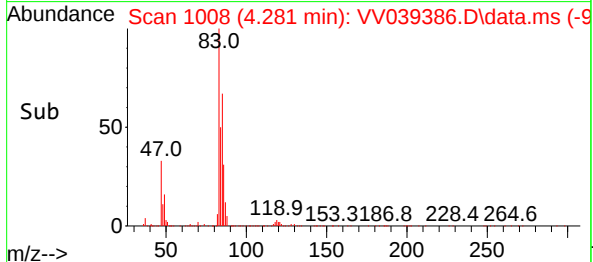
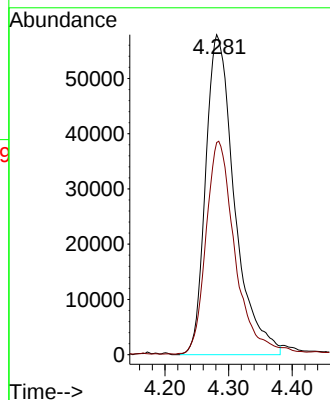
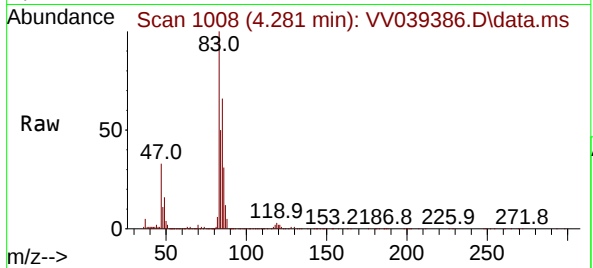




#25
Chloroform
Concen: 9.841 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.006 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

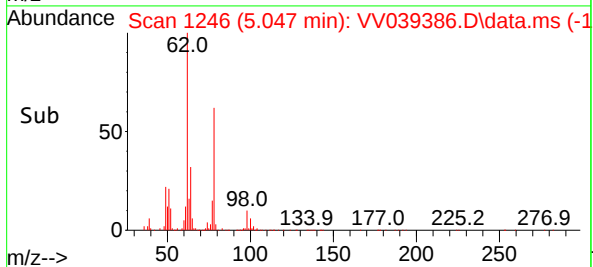
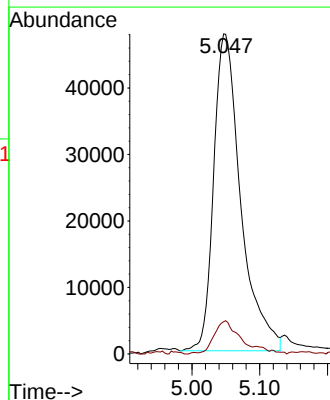
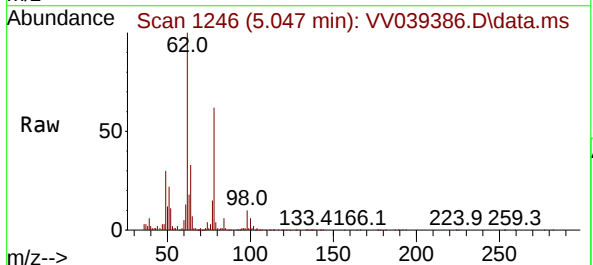
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

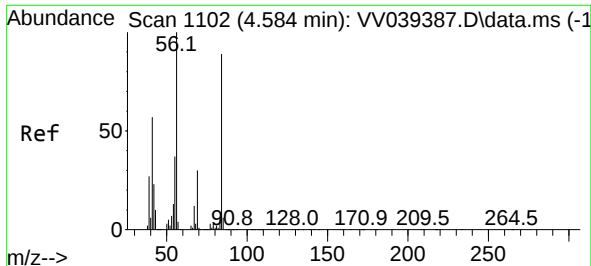
Tgt Ion: 83 Resp: 182376
Ion Ratio Lower Upper
83 100
85 66.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 9.467 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 62 Resp: 132304
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#29

Cyclohexane

Concen: 7.534 ug/L

RT: 4.590 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

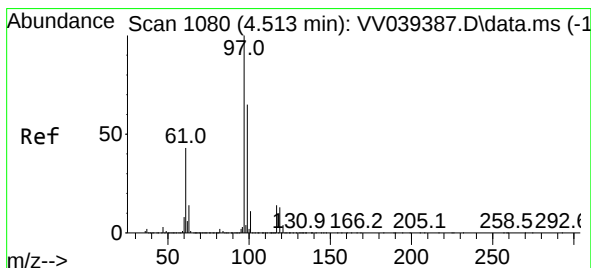
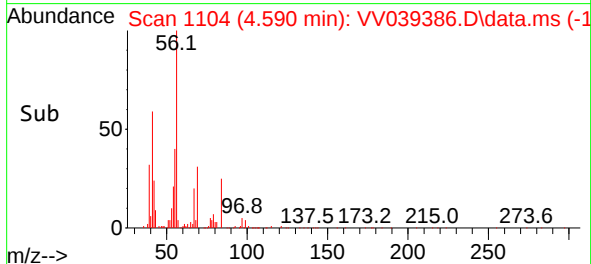
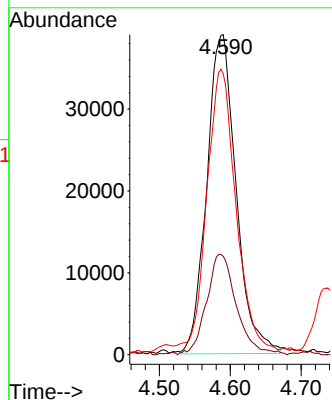
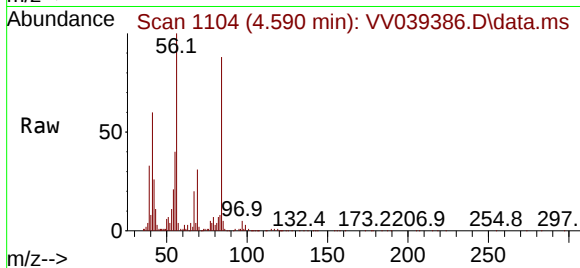
Tgt Ion: 56 Resp: 112393

Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

84 87.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 9.876 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

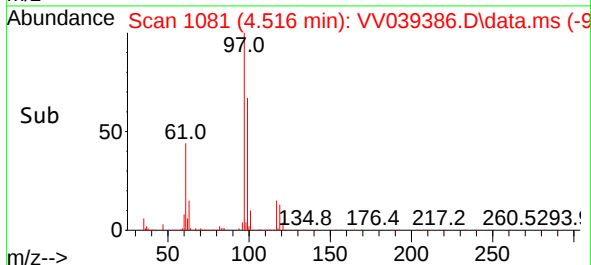
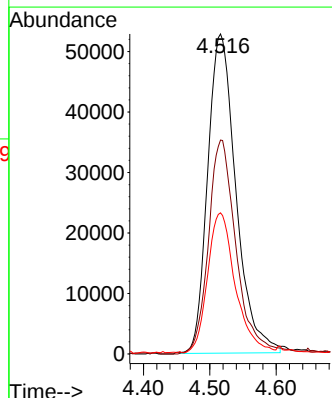
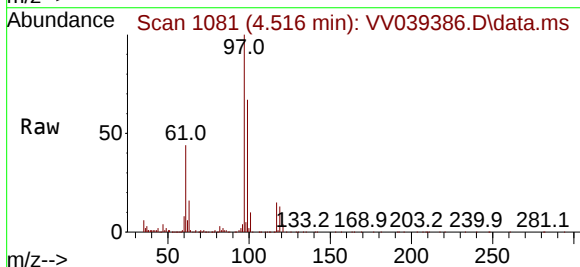
Tgt Ion: 97 Resp: 156266

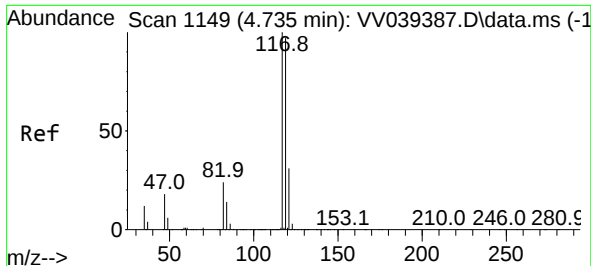
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 43.0 34.5 51.7

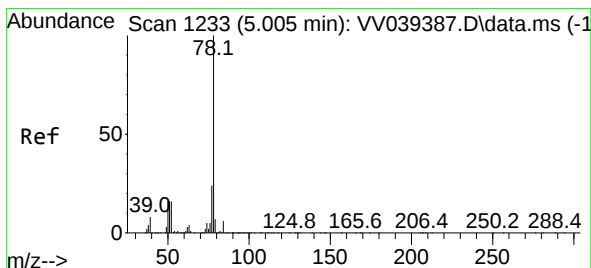
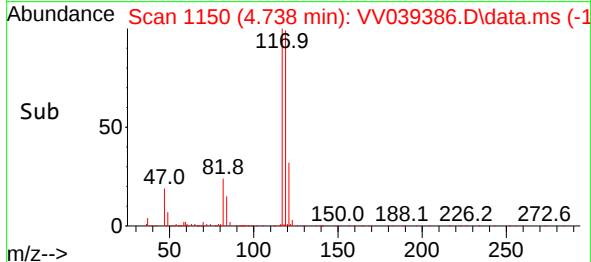
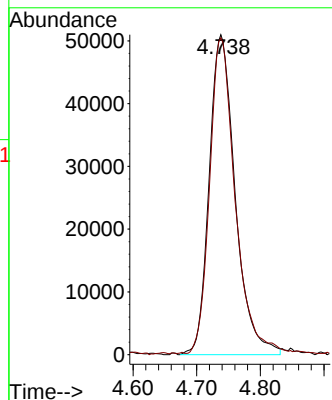
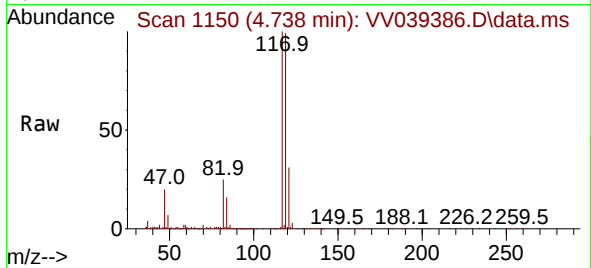




#31
Carbon tetrachloride
Concen: 10.420 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

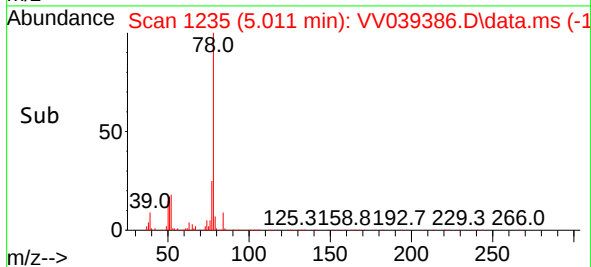
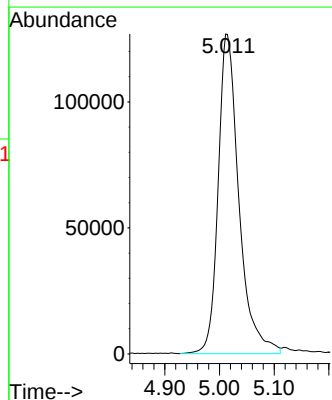
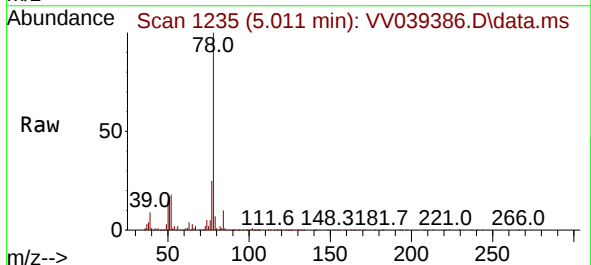
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

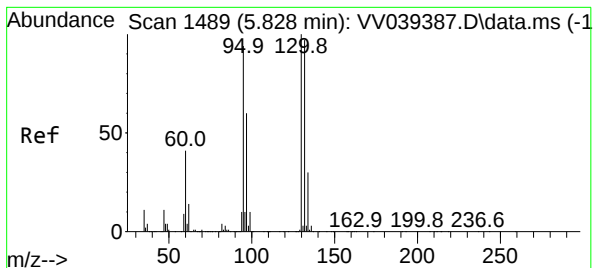
Tgt Ion:117 Resp: 144932
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1



#33
Benzene
Concen: 8.941 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 78 Resp: 333685





#34

Trichloroethene

Concen: 9.037 ug/L

RT: 5.838 min Scan# 1489

Delta R.T. 0.010 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

Tgt Ion: 95 Resp: 89890

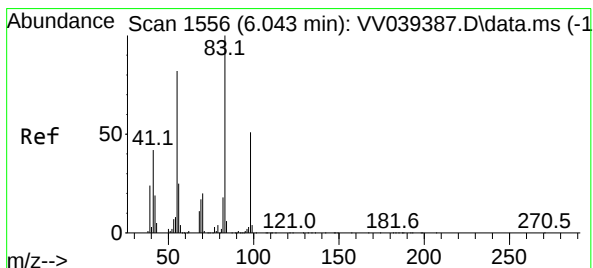
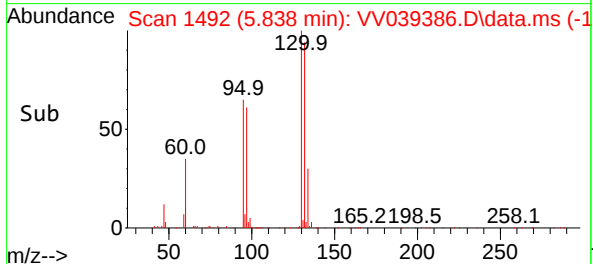
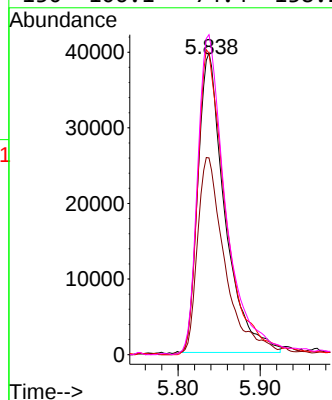
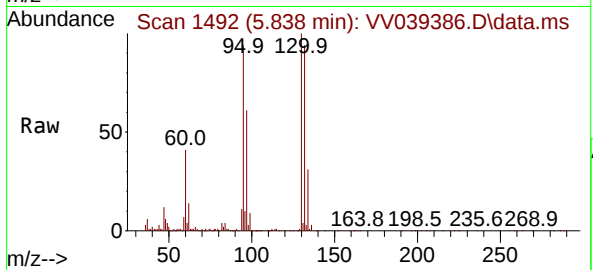
Ion Ratio Lower Upper

95 100

97 65.2 44.4 82.5

132 100.0 71.9 133.5

130 106.1 74.4 138.2



#35

Methylcyclohexane

Concen: 7.906 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

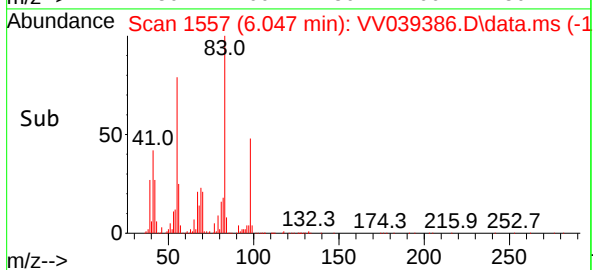
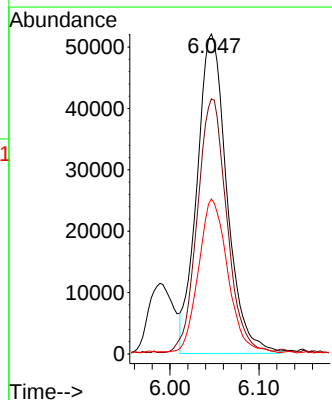
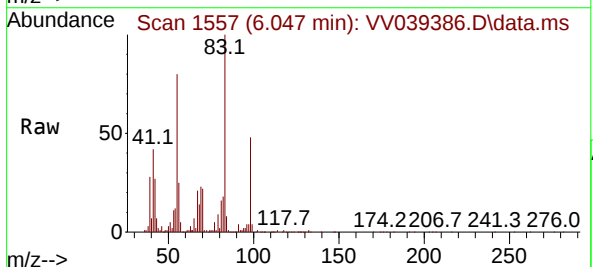
Tgt Ion: 83 Resp: 121491

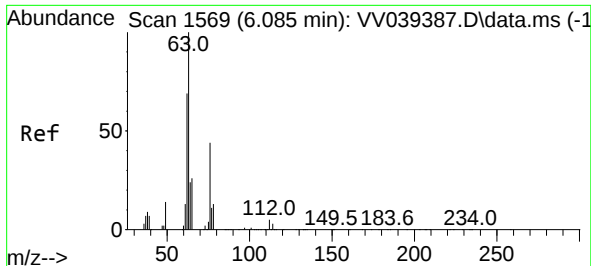
Ion Ratio Lower Upper

83 100

55 78.0 62.5 93.7

98 45.7 39.2 58.8





#37

1,2-Dichloropropane

Concen: 8.694 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

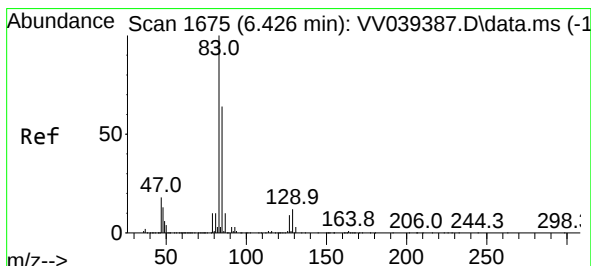
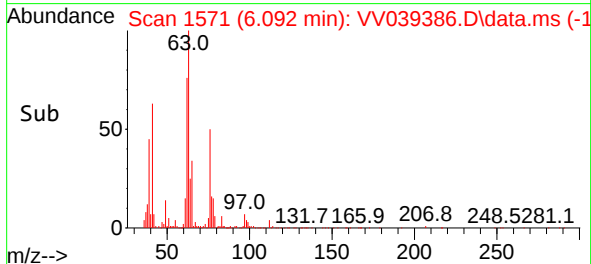
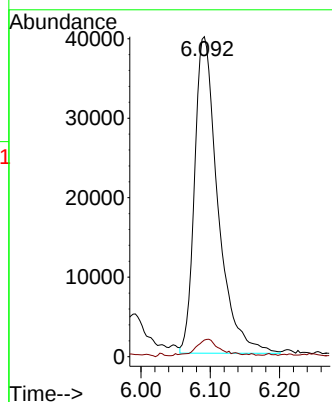
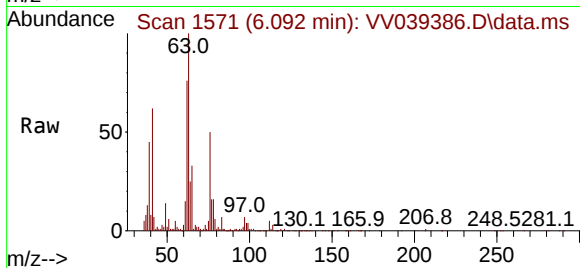
VSTD010232

Tgt Ion: 63 Resp: 93230

Ion Ratio Lower Upper

63 100

112 4.0 3.7 5.5



#38

Bromodichloromethane

Concen: 9.413 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

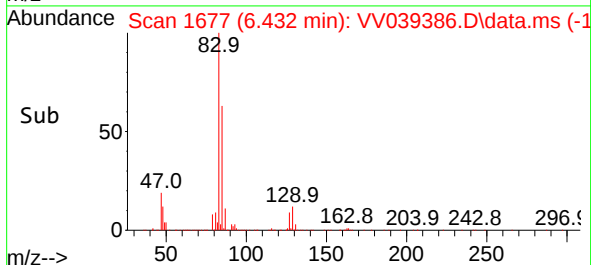
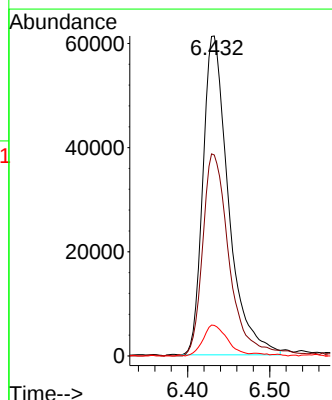
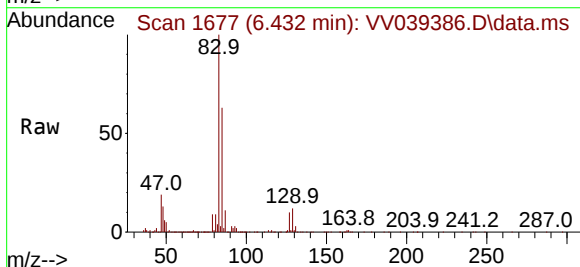
Tgt Ion: 83 Resp: 132720

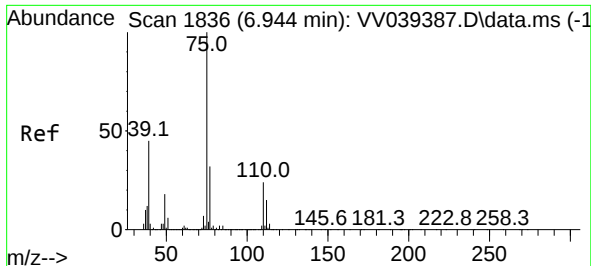
Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

127 9.6 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 8.328 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

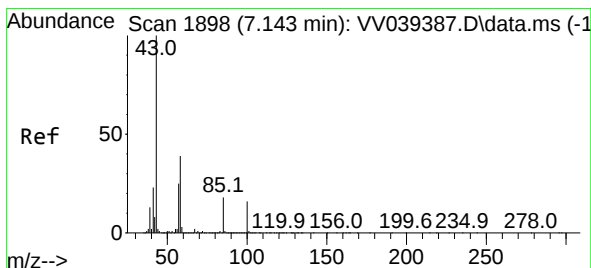
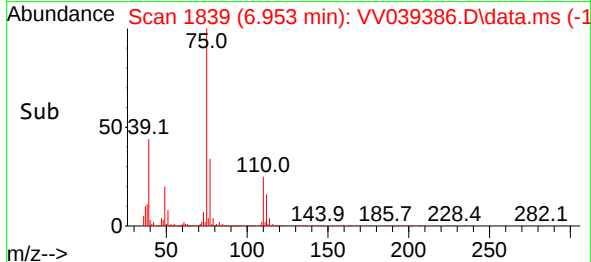
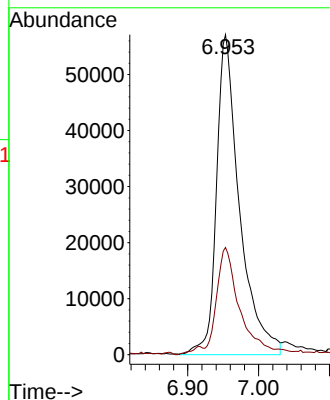
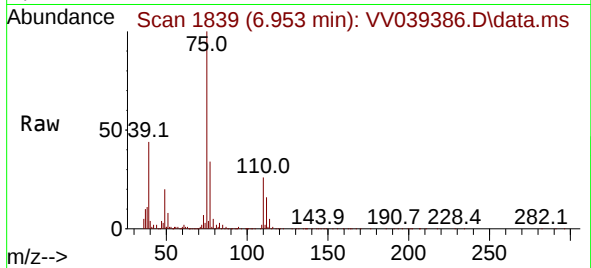
VSTD010232

Tgt Ion: 75 Resp: 128957

Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 14.889 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

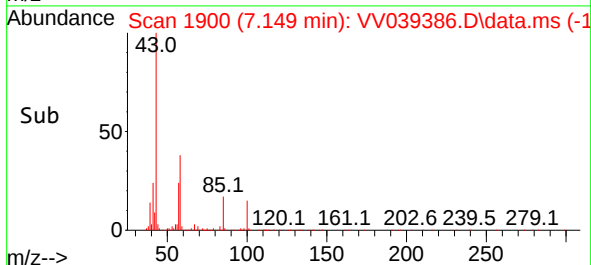
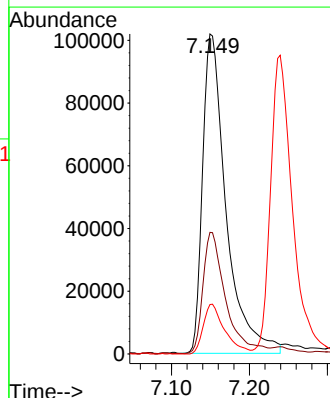
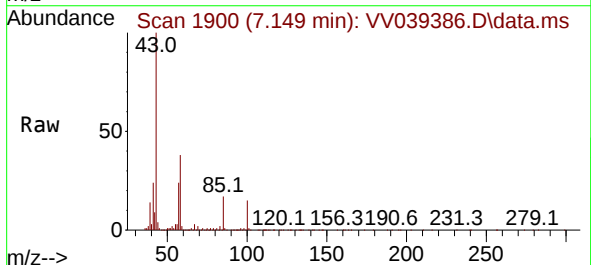
Tgt Ion: 43 Resp: 213795

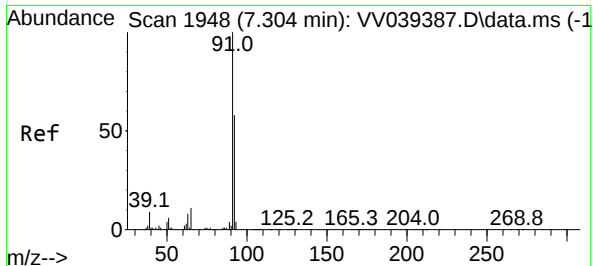
Ion Ratio Lower Upper

43 100

58 36.7 30.8 46.2

100 14.3 12.5 18.7

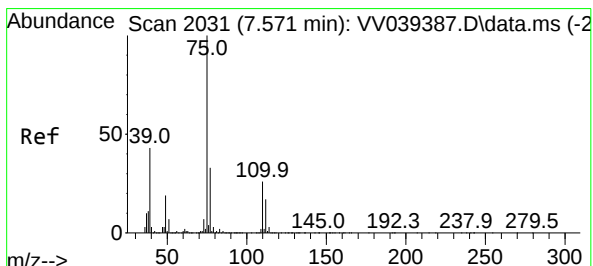
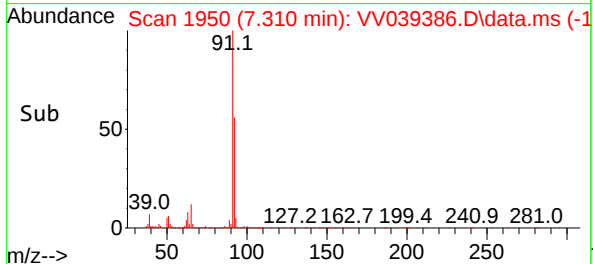
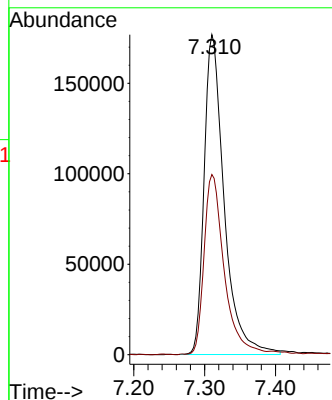
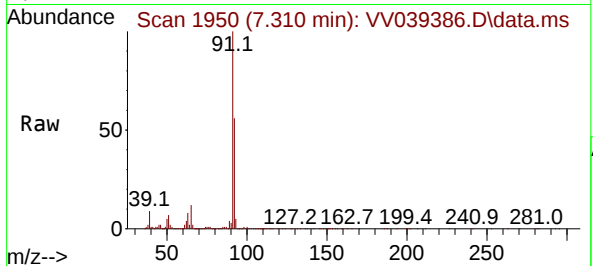




#42
Toluene
Concen: 8.990 ug/L
RT: 7.310 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

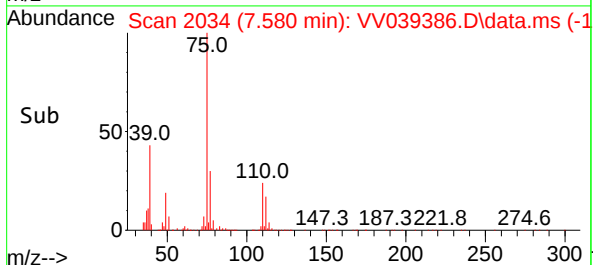
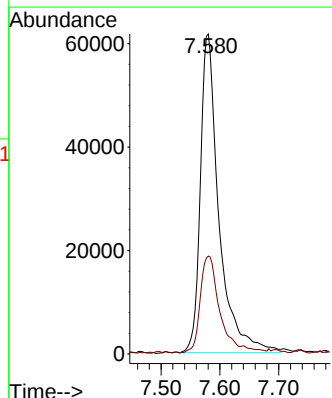
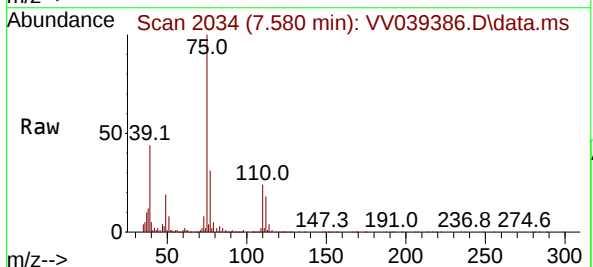
Instrument : MSVOA_V
ClientSampleId : VSTD010232

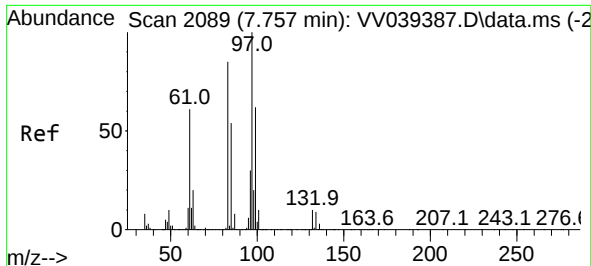
Tgt Ion: 91 Resp: 347707
Ion Ratio Lower Upper
91 100
92 56.3 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 8.991 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.010 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 75 Resp: 135022
Ion Ratio Lower Upper
75 100
77 30.6 23.0 42.6

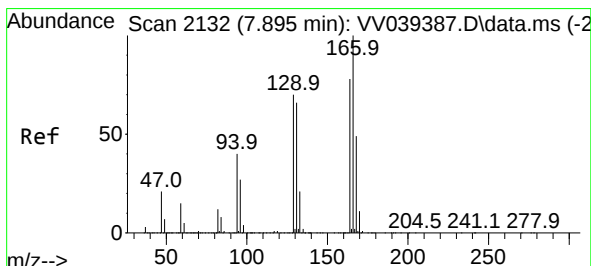
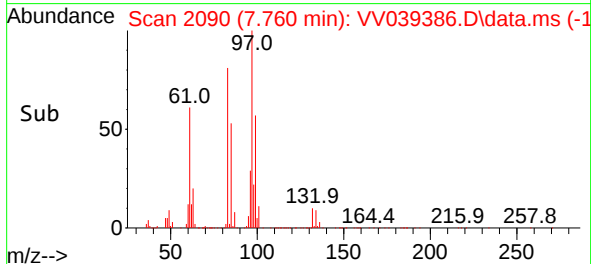
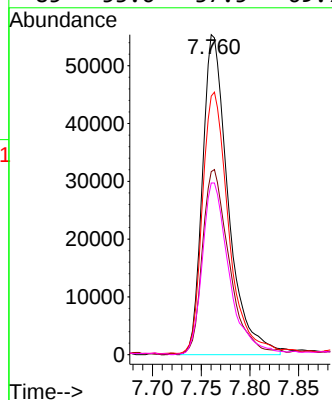
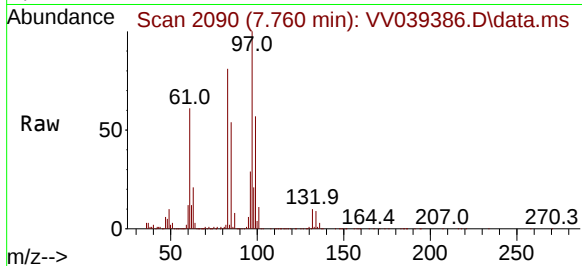




#45
1,1,2-Trichloroethane
Concen: 9.599 ug/L
RT: 7.760 min Scan# 2089
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

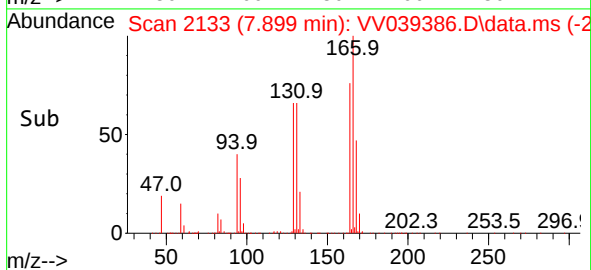
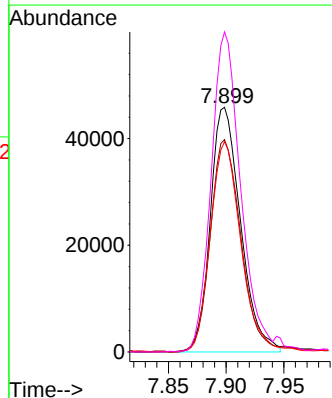
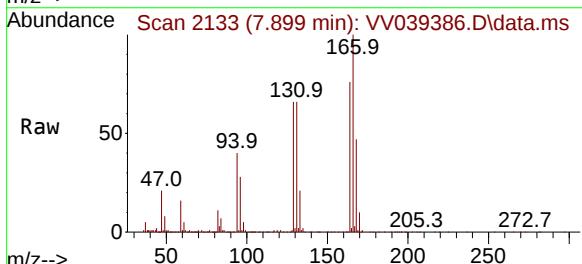
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

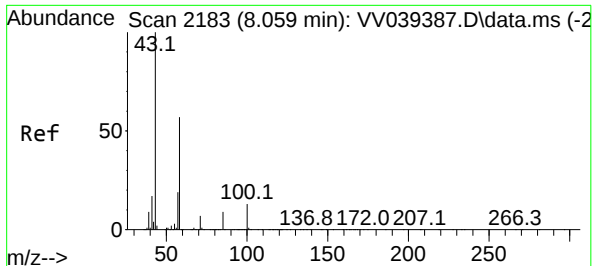
Tgt Ion: 97	Resp: 102093
Ion Ratio	Lower Upper
97 100	
99 57.2	43.7 81.1
83 80.8	59.1 109.9
85 53.6	37.5 69.7



#46
Tetrachloroethene
Concen: 10.966 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion:164	Resp: 83660
Ion Ratio	Lower Upper
164 100	
129 86.8	62.0 115.2
131 85.9	59.1 109.7
166 130.8	89.2 165.8





#48

2-Hexanone

Concen: 15.993 ug/L

RT: 8.069 min Scan# 2183

Delta R.T. 0.010 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

Tgt Ion: 43 Resp: 170423

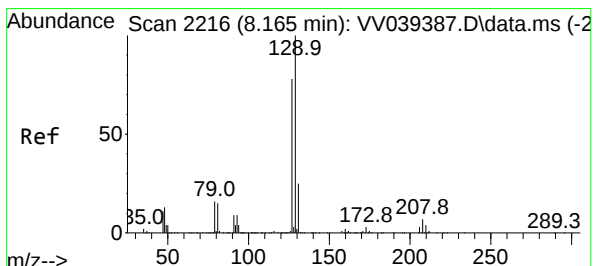
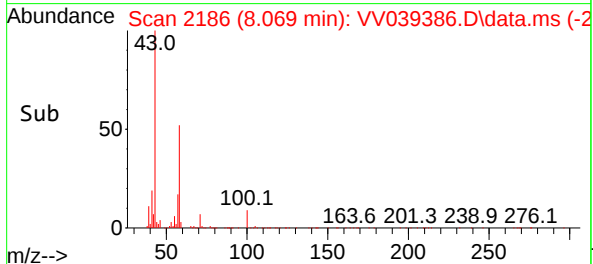
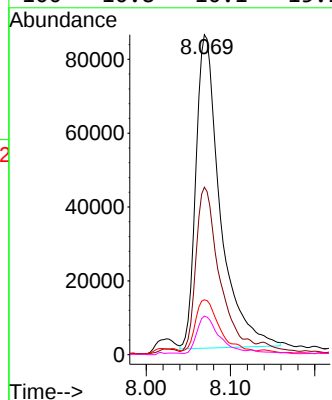
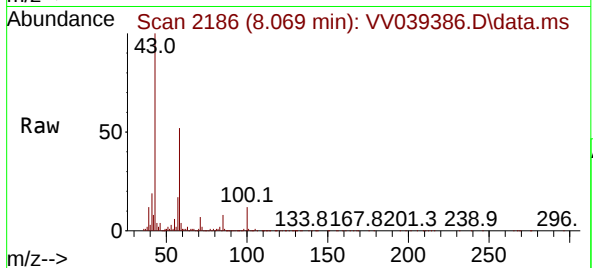
Ion Ratio Lower Upper

43 100

58 49.3 45.0 67.4

57 14.6 15.0 22.6#

100 10.8 10.1 15.1



#49

Dibromochloromethane

Concen: 10.597 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. 0.003 min

Lab File: VV039386.D

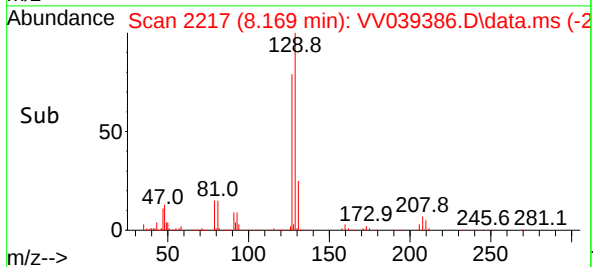
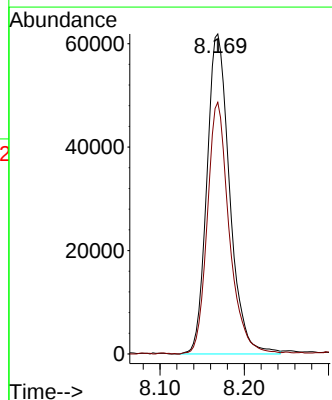
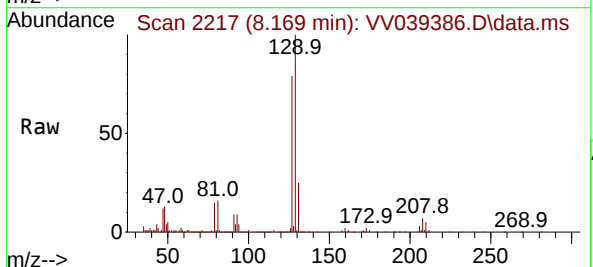
Acq: 17 Nov 2025 12:01

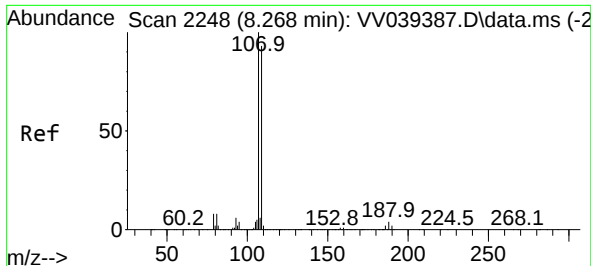
Tgt Ion:129 Resp: 116543

Ion Ratio Lower Upper

129 100

127 78.6 54.8 101.8





#50

1,2-Dibromoethane

Concen: 10.002 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

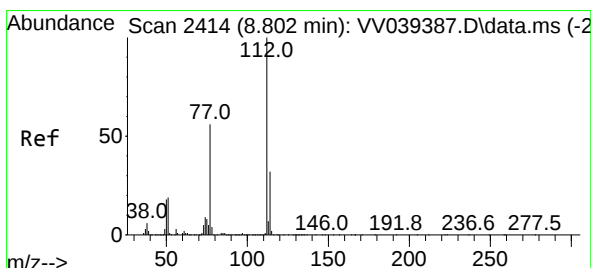
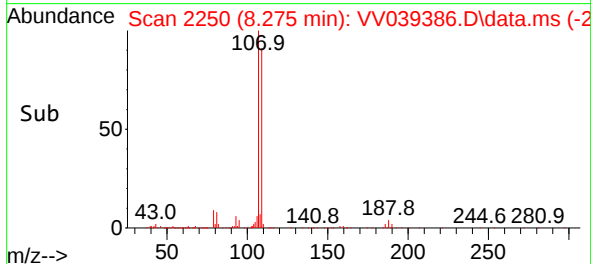
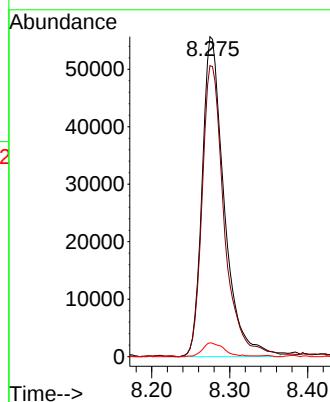
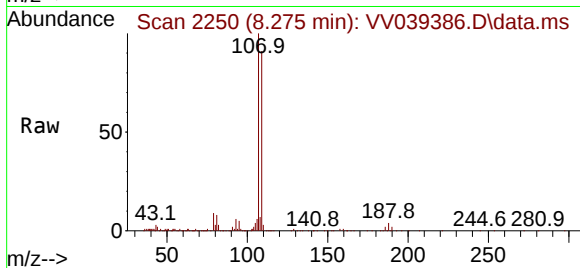
Tgt Ion:107 Resp: 109585

Ion Ratio Lower Upper

107 100

109 91.0 65.0 120.8

188 4.4 3.2 4.8



#51

Chlorobenzene

Concen: 9.756 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

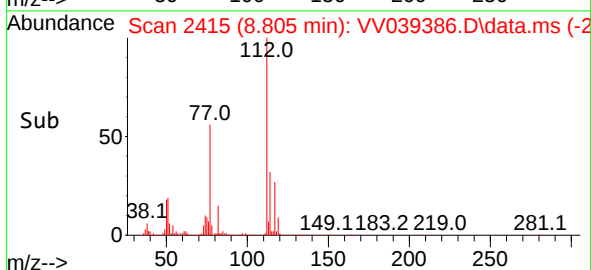
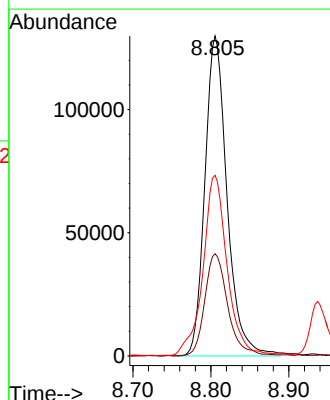
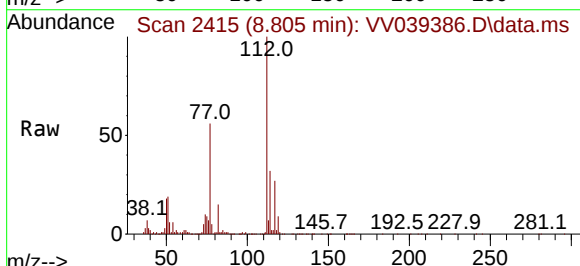
Tgt Ion:112 Resp: 257000

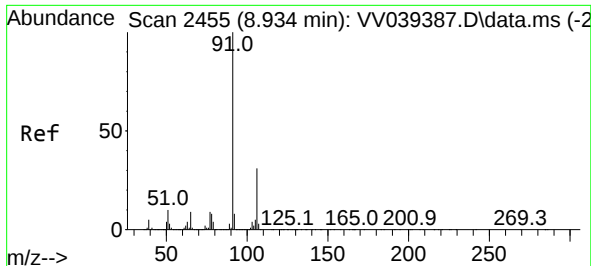
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 56.5 45.1 67.7

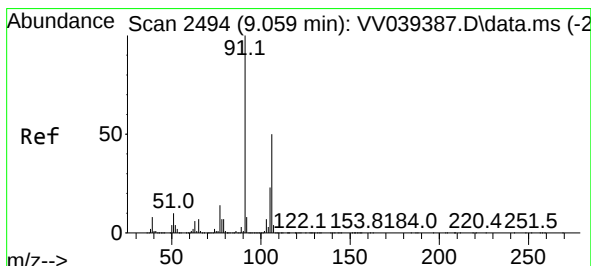
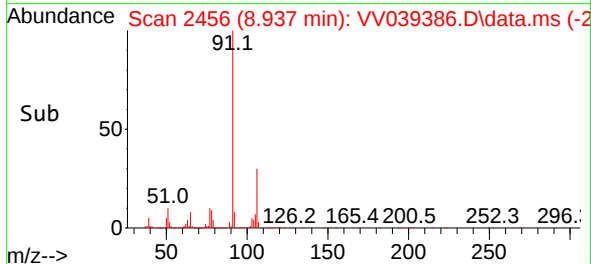
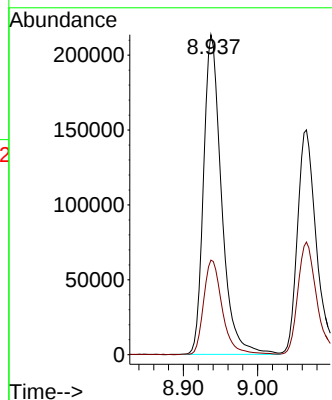
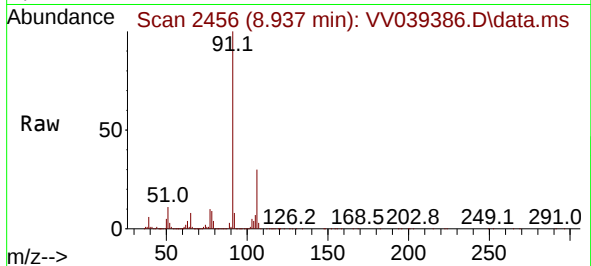




#52
Ethylbenzene
Concen: 8.603 ug/L
RT: 8.937 min Scan# 2455
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

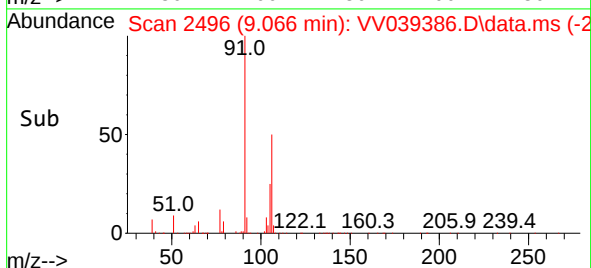
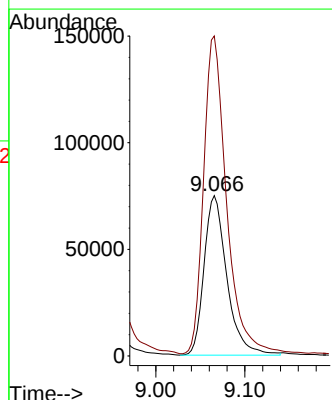
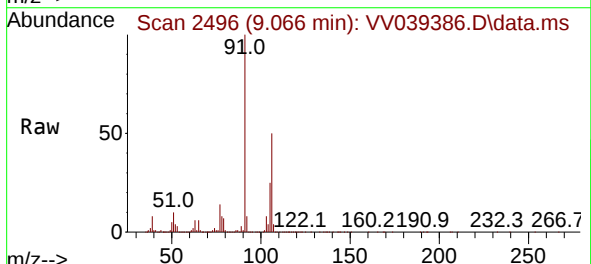
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

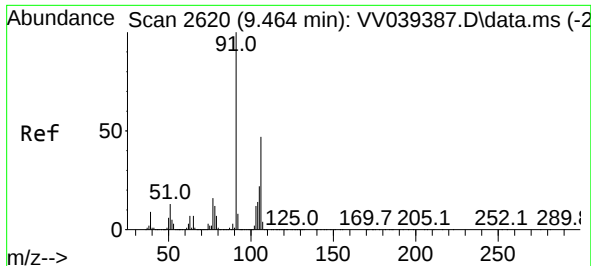
Tgt Ion: 91 Resp: 359399
Ion Ratio Lower Upper
91 100
106 29.5 21.8 40.4



#53
m,p-Xylene
Concen: 8.631 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.006 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 106 Resp: 133038
Ion Ratio Lower Upper
106 100
91 199.6 141.1 262.1

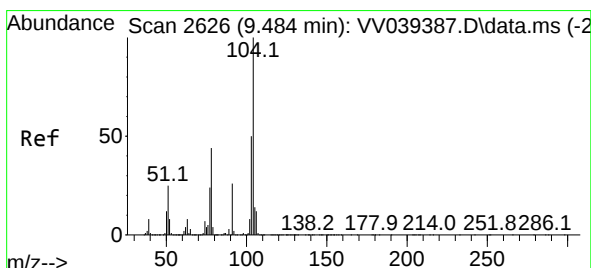
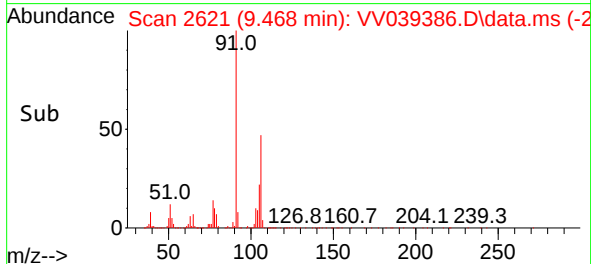
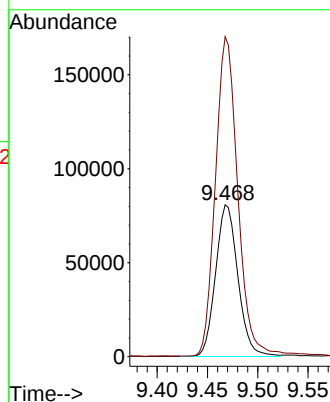
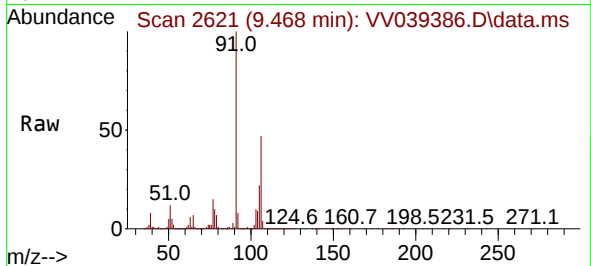




#54
o-Xylene
Concen: 8.352 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

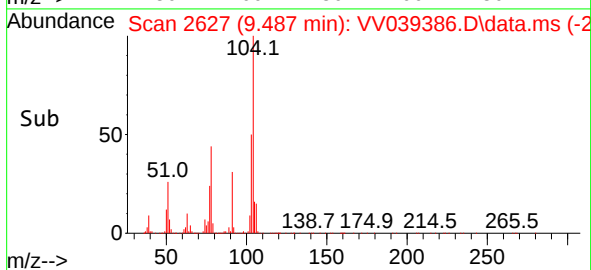
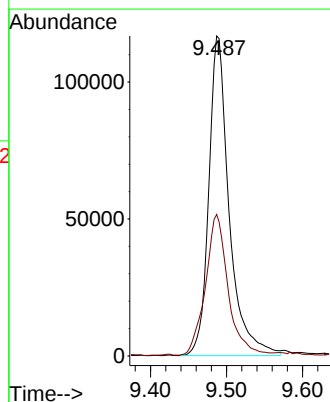
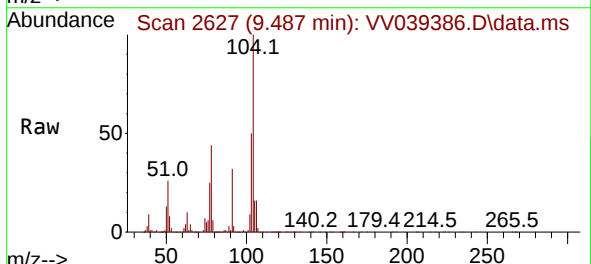
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

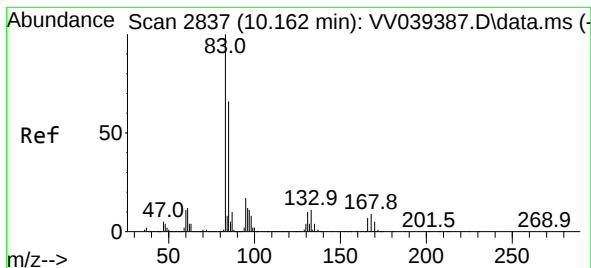
Tgt Ion:106 Resp: 124536
Ion Ratio Lower Upper
106 100
91 210.8 149.0 276.6



#55
Styrene
Concen: 8.380 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion:104 Resp: 217523
Ion Ratio Lower Upper
104 100
78 44.2 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 9.544 ug/L

RT: 10.165 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

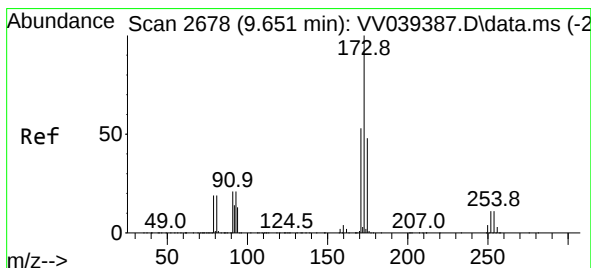
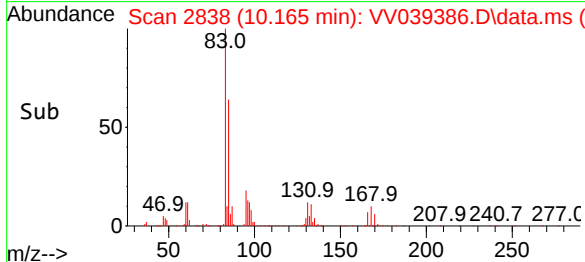
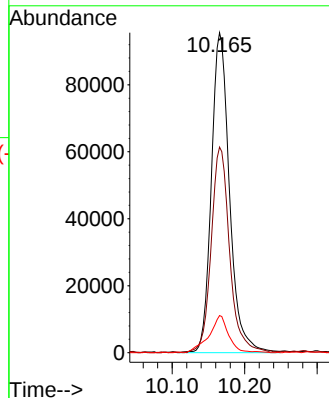
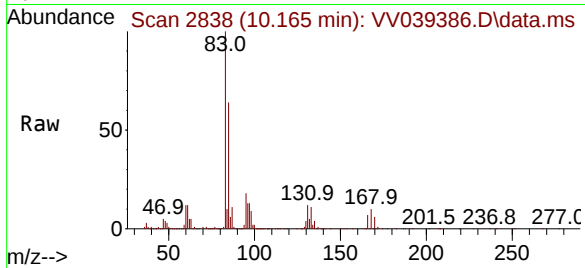
Tgt Ion: 83 Resp: 166195

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

131 11.6 8.3 12.5



#59

Bromoform

Concen: 10.753 ug/L

RT: 9.654 min Scan# 2679

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

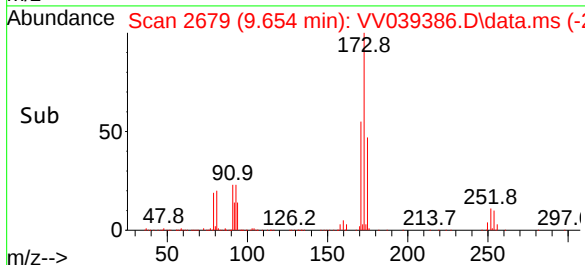
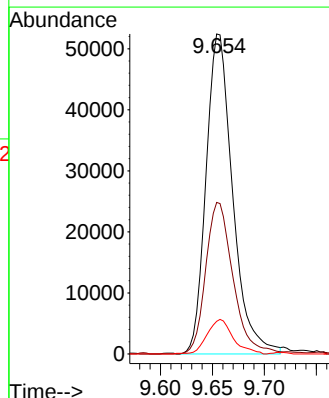
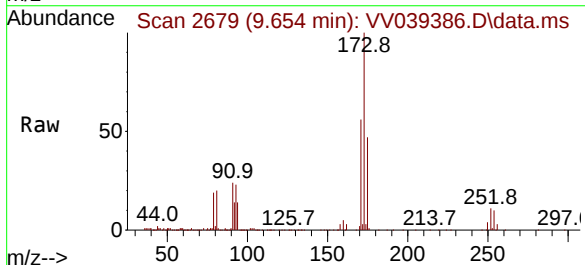
Tgt Ion: 173 Resp: 93468

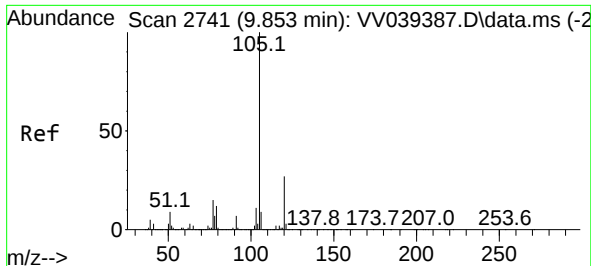
Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

254 10.4 8.4 12.6

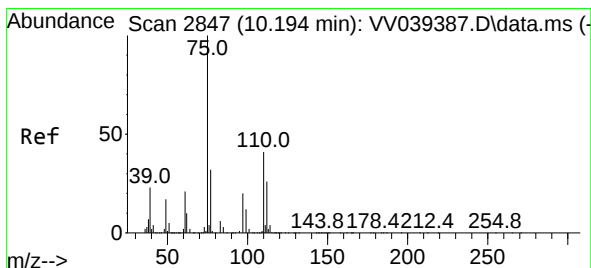
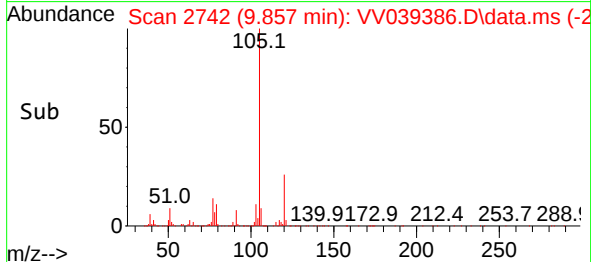
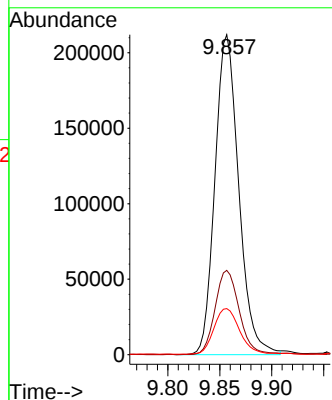
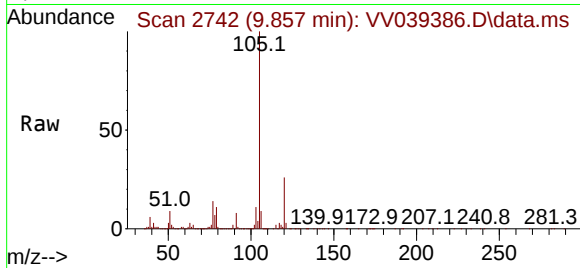




#60
Isopropylbenzene
Concen: 7.973 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

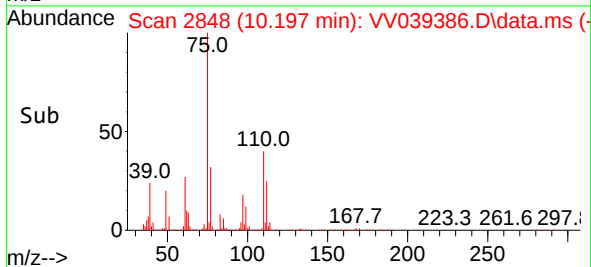
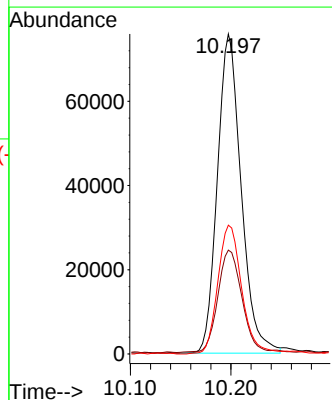
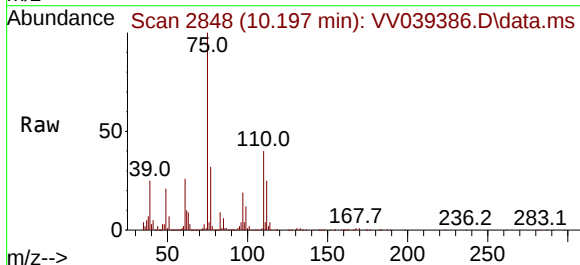
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

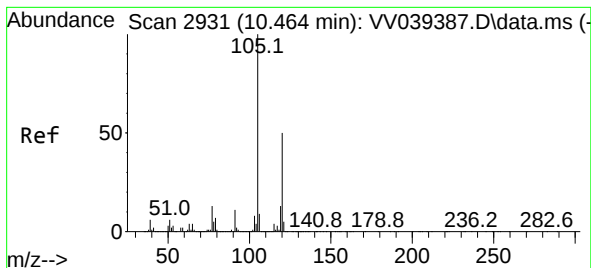
Tgt Ion:105 Resp: 337752
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.4 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 8.651 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 75 Resp: 124591
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 40.5 32.6 49.0





#62

1,3,5-Trimethylbenzene

Concen: 7.347 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

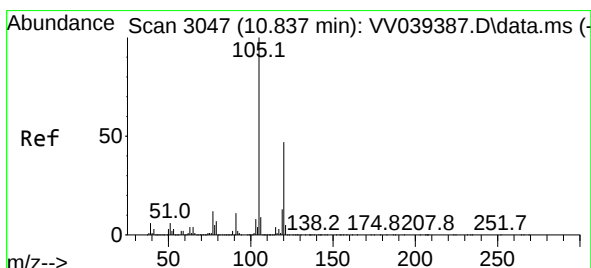
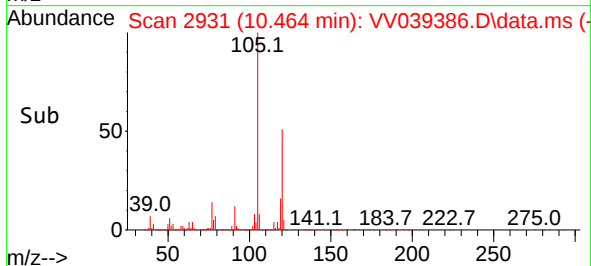
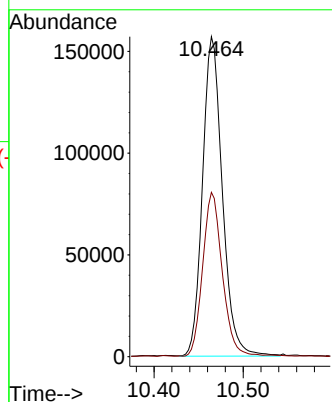
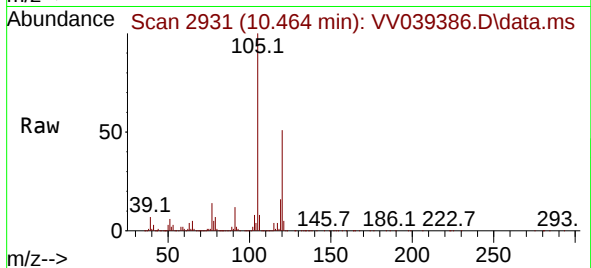
VSTD010232

Tgt Ion:105 Resp: 242789

Ion Ratio Lower Upper

105 100

120 50.6 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 7.194 ug/L

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039386.D

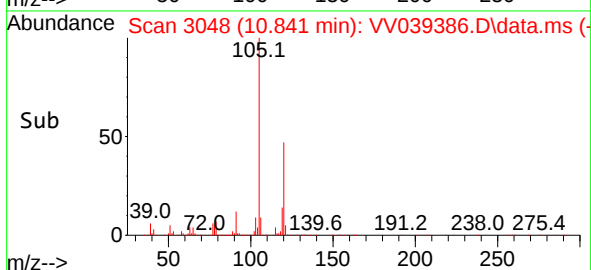
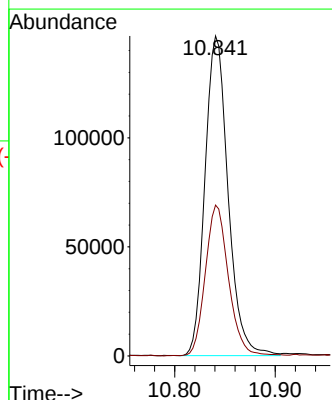
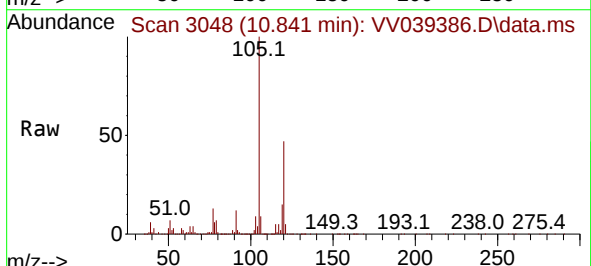
Acq: 17 Nov 2025 12:01

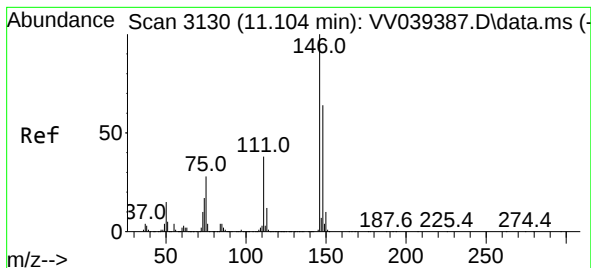
Tgt Ion:105 Resp: 233936

Ion Ratio Lower Upper

105 100

120 47.1 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 9.504 ug/L

RT: 11.107 min Scan# 3131

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

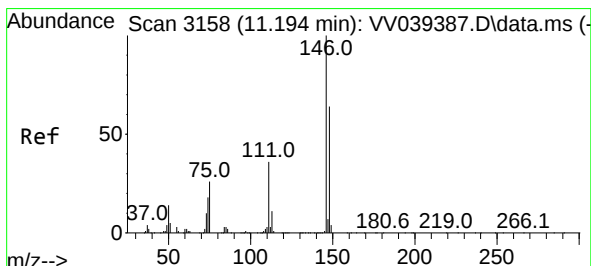
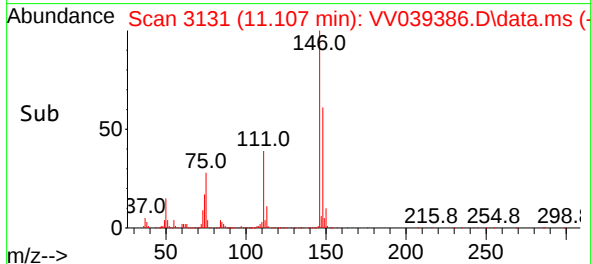
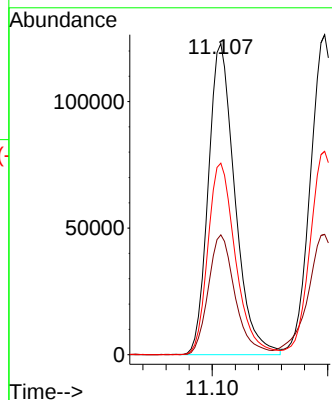
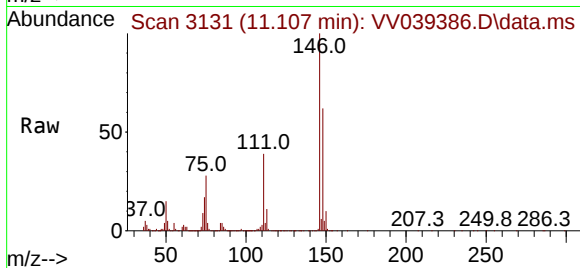
Tgt Ion:146 Resp: 197139

Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.3

148 61.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 9.897 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

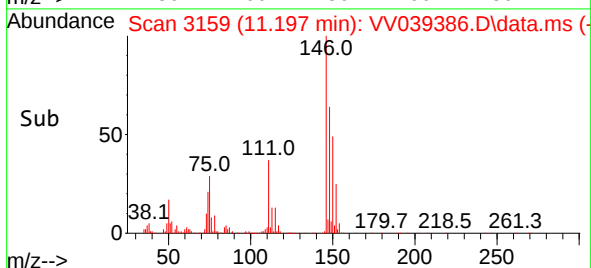
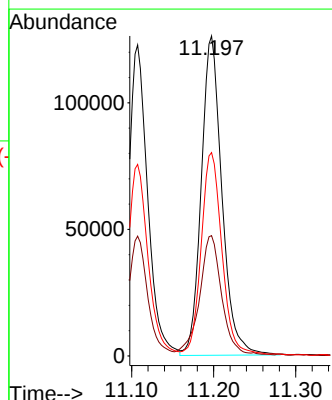
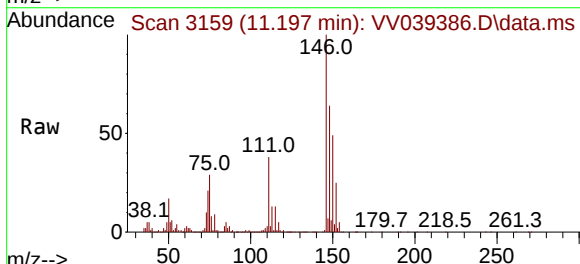
Tgt Ion:146 Resp: 220740

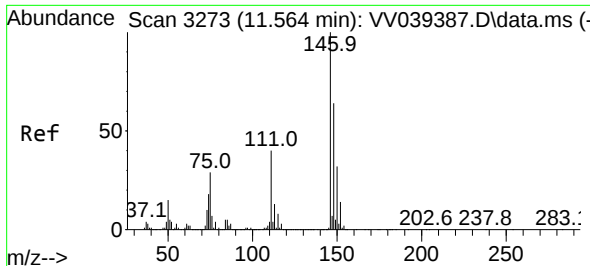
Ion Ratio Lower Upper

146 100

111 37.6 25.6 47.4

148 63.5 44.9 83.5

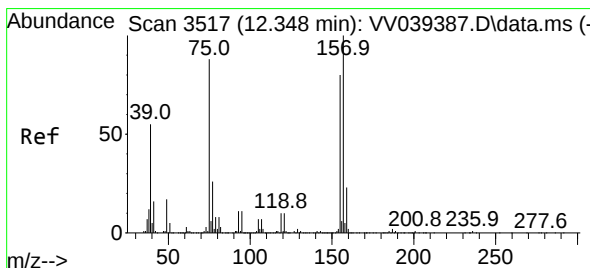
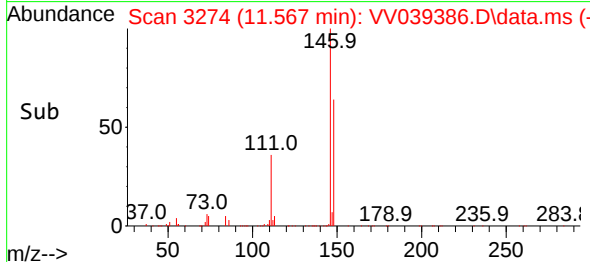
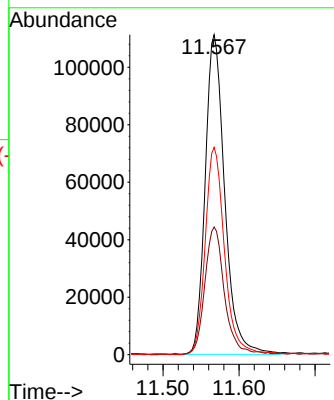
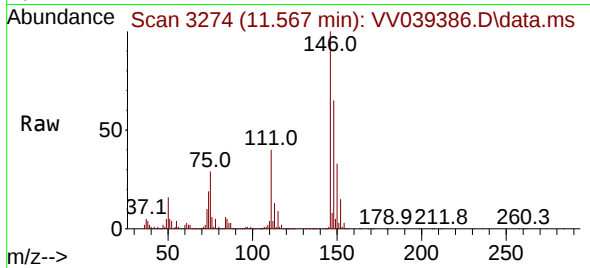




#67
1,2-Dichlorobenzene
Concen: 9.454 ug/L
RT: 11.567 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

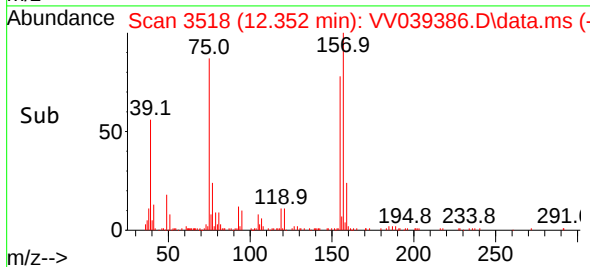
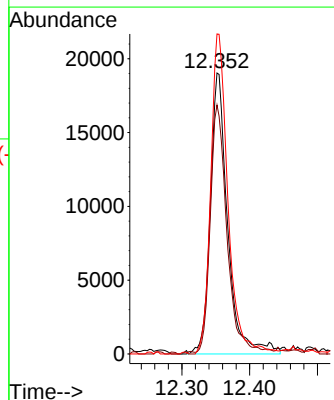
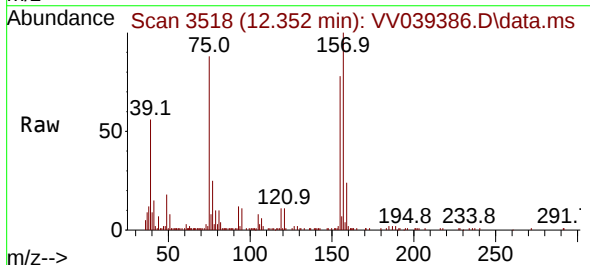
Instrument :
MSVOA_V
ClientSampleId :
VSTD010232

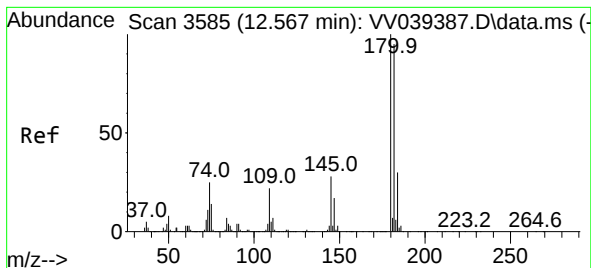
Tgt Ion:146 Resp: 198074
Ion Ratio Lower Upper
146 100
111 39.9 32.2 48.2
148 64.8 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 8.292 ug/L
RT: 12.352 min Scan# 3518
Delta R.T. 0.003 min
Lab File: VV039386.D
Acq: 17 Nov 2025 12:01

Tgt Ion: 75 Resp: 34080
Ion Ratio Lower Upper
75 100
155 88.6 73.0 109.4
157 113.9 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 9.617 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

Tgt Ion:180 Resp: 134516

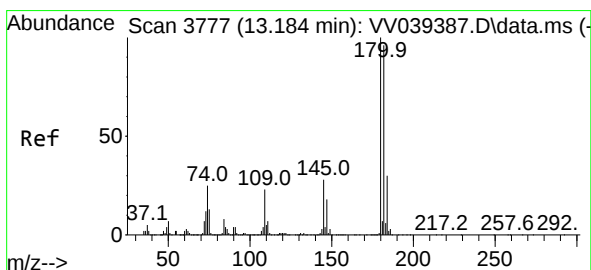
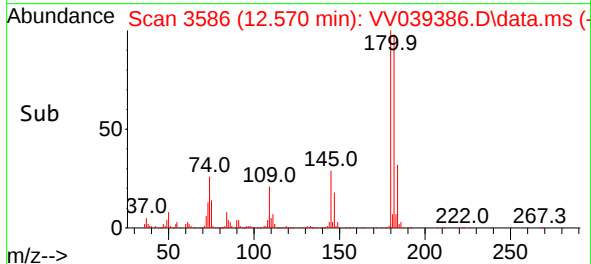
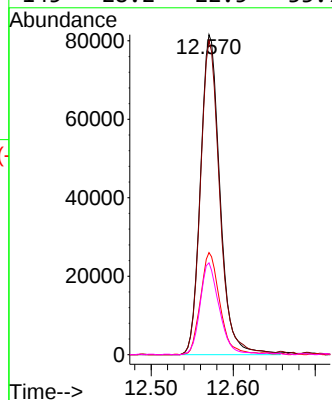
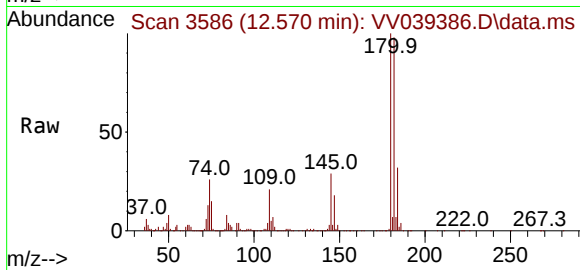
Ion Ratio Lower Upper

180 100

182 97.0 75.8 113.8

184 31.6 24.3 36.5

145 28.2 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 9.038 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

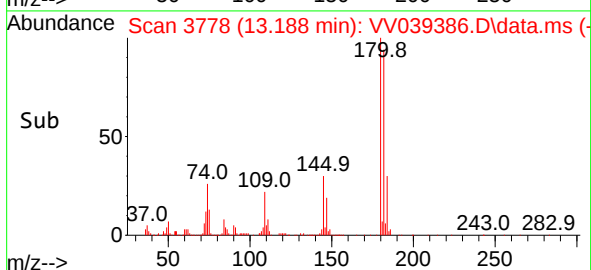
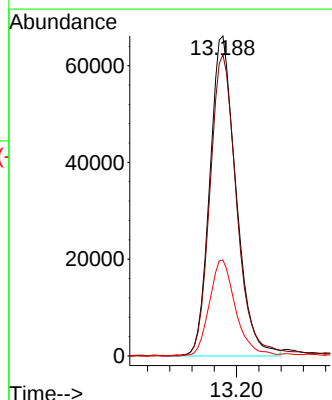
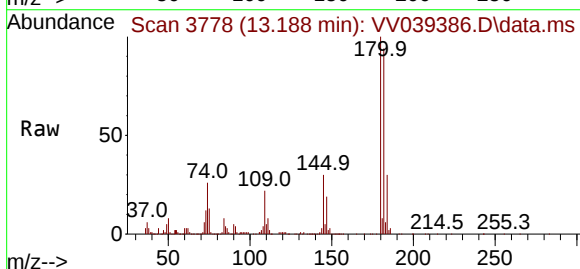
Tgt Ion:180 Resp: 108126

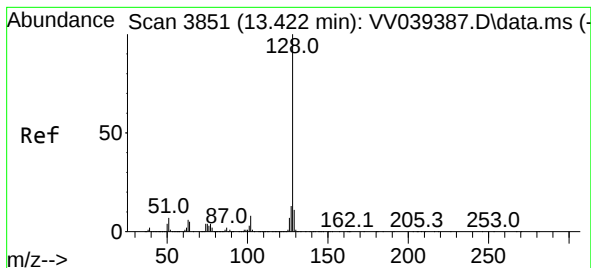
Ion Ratio Lower Upper

180 100

182 96.5 76.1 114.1

145 30.0 22.5 33.7





#71

Naphthalene

Concen: 6.534 ug/L

RT: 13.426 min Scan# 3851

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD010232

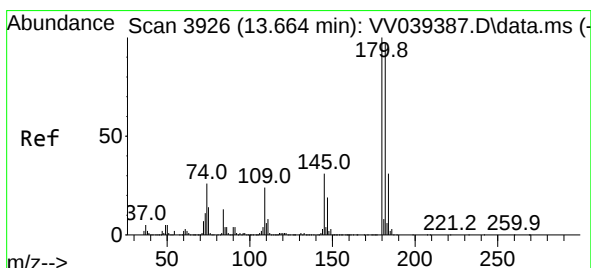
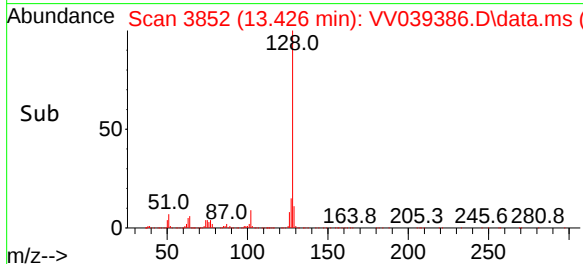
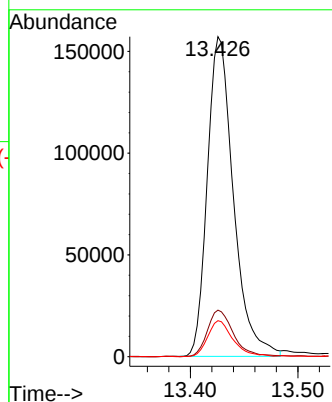
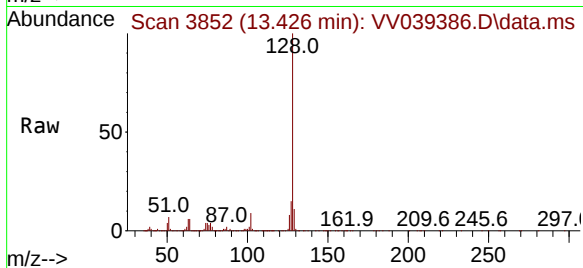
Tgt Ion:128 Resp: 265510

Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 9.278 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.003 min

Lab File: VV039386.D

Acq: 17 Nov 2025 12:01

Tgt Ion:180 Resp: 115820

Ion Ratio Lower Upper

180 100

182 91.4 76.6 115.0

145 29.1 24.3 36.5

