

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091725\
 Data File : VV039122.D
 Acq On : 17 Sep 2025 11:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

Quant Time: Sep 18 01:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 01:32:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	350136	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	341757	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	169093	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	103987	3.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.545	69	107709	4.501	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.069	65	53482	4.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	3.796	46	220332	53.719	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	4.252	84	278553	5.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	4.944	65	122158	5.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	4.960	84	472668	5.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	5.985	67	146987	5.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.236	98	463688	5.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
43) trans-1,3-Dichloroprop...	7.548	79	53944	5.276	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.600%
46) 2-Hexanone-d5	8.014	63	189945	57.387	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.780%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	111989	5.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.200%
66) 1,2-Dichlorobenzene-d4	11.548	152	123974	4.555	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	195759	5.332	ug/L	99
3) Chloromethane	1.227	50	194310	5.390	ug/L	96
5) Vinyl chloride	1.294	62	202510	5.282	ug/L	98
6) Bromomethane	1.500	94	115773	5.294	ug/L	100
8) Chloroethane	1.561	64	134329	5.623	ug/L	97
9) Trichlorofluoromethane	1.725	101	293896	5.690	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	176842	5.558	ug/L	98
12) 1,1-Dichloroethene	2.082	96	151435	5.268	ug/L	93
13) Acetone	2.127	43	221278	64.132	ug/L	99
14) Carbon disulfide	2.252	76	535923	5.449	ug/L	99
15) Methyl Acetate	2.391	43	51764	5.975	ug/L	97
16) Methylene chloride	2.455	84	220743	6.822	ug/L	91
17) Methyl tert-butyl Ether	2.709	73	273840	5.540	ug/L	97
18) trans-1,2-Dichloroethene	2.703	96	160804	5.495	ug/L	95
19) 1,1-Dichloroethane	3.117	63	322036	6.000	ug/L	99
21) 2-Butanone	3.876	43	268314	58.626	ug/L	100
22) cis-1,2-Dichloroethene	3.818	96	156361	5.475	ug/L	94
23) Bromochloromethane	4.153	128	74118	5.673	ug/L	92
25) Chloroform	4.278	83	330506	5.943	ug/L	98

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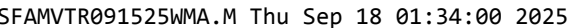
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

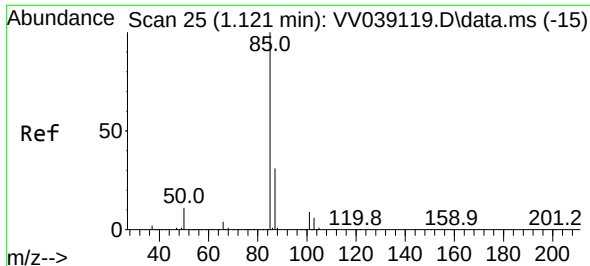
Quant Time: Sep 18 01:33:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 01:32:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	180753	6.335	ug/L	96
29) 1,1,1-Trichloroethane	4.513	97	288893	6.139	ug/L	97
30) Cyclohexane	4.583	56	243794	5.842	ug/L	97
31) Carbon tetrachloride	4.735	117	252216	5.914	ug/L	98
33) Benzene	5.008	78	680451	6.325	ug/L	100
34) Trichloroethene	5.831	95	173676	5.989	ug/L	97
35) Methylcyclohexane	6.046	83	267803	5.902	ug/L	97
37) 1,2-Dichloropropane	6.088	63	183680	6.584	ug/L	100
38) Bromodichloromethane	6.426	83	234860	6.475	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	224967	6.079	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	770671	69.720	ug/L	98
42) Toluene	7.307	91	774599	6.909	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	195156	6.488	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	124665	6.507	ug/L	96
47) Tetrachloroethene	7.895	164	138526	6.111	ug/L	98
48) 2-Hexanone	8.062	43	564742	73.492	ug/L	96
49) Dibromochloromethane	8.165	129	138127	6.159	ug/L	95
50) 1,2-Dibromoethane	8.275	107	107689	6.265	ug/L	95
51) Chlorobenzene	8.805	112	429134	5.930	ug/L	99
52) Ethylbenzene	8.937	91	685663	5.936	ug/L	98
53) m,p-Xylene	9.062	106	265924	5.919	ug/L	96
54) o-Xylene	9.467	106	241483	5.859	ug/L	97
55) Styrene	9.487	104	455388	6.253	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	129696	6.074	ug/L	99
59) Bromoform	9.654	173	63084	5.259	ug/L	99
60) Isopropylbenzene	9.857	105	663004	5.862	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	89528	6.285	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	470806	5.422	ug/L	99
63) 1,2,4-Trimethylbenzene	10.840	105	475907	5.580	ug/L	98
64) 1,3-Dichlorobenzene	11.104	146	314074	5.691	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	318872	5.585	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	278062	5.686	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	18276	5.889	ug/L	95
69) 1,3,5-Trichlorobenzene	12.570	180	184140	5.091	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	134764	4.949	ug/L	98
71) Naphthalene	13.426	128	205275	4.947	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	125587	5.173	ug/L	98

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

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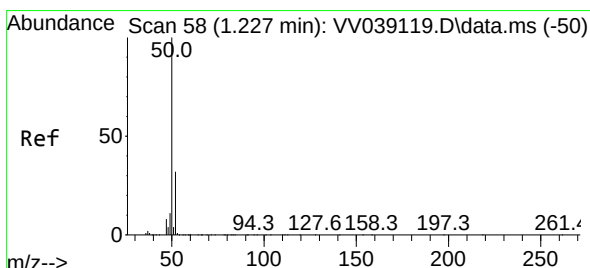
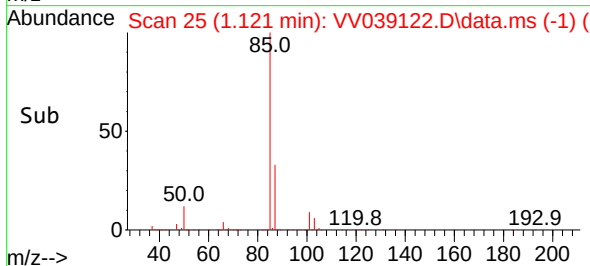
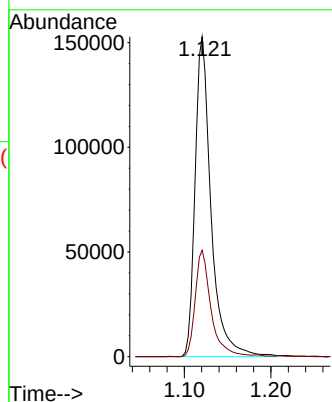
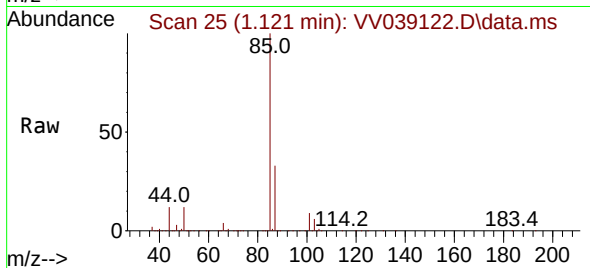




#2
Dichlorodifluoromethane
Concen: 5.332 ug/L
RT: 1.121 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

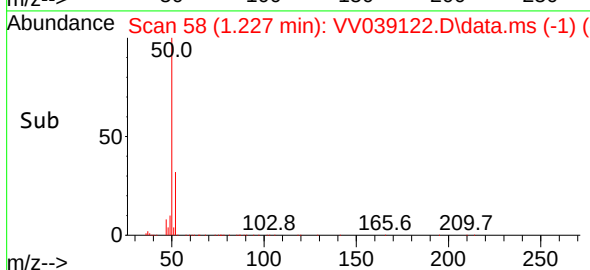
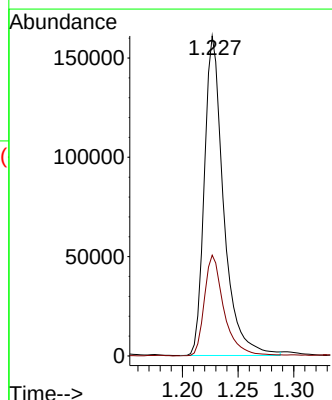
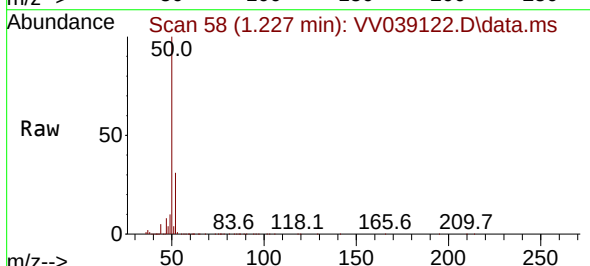
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

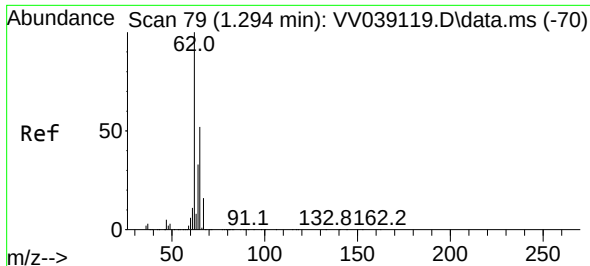
Tgt Ion: 85 Resp: 195759
Ion Ratio Lower Upper
85 100
87 32.8 25.9 38.9



#3
Chloromethane
Concen: 5.390 ug/L
RT: 1.227 min Scan# 58
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 50 Resp: 194310
Ion Ratio Lower Upper
50 100
52 31.5 23.4 43.6

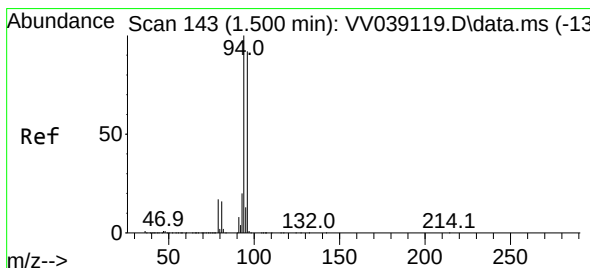
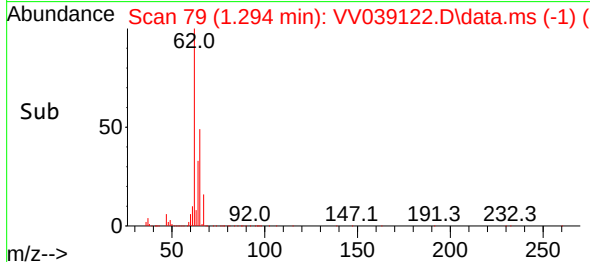
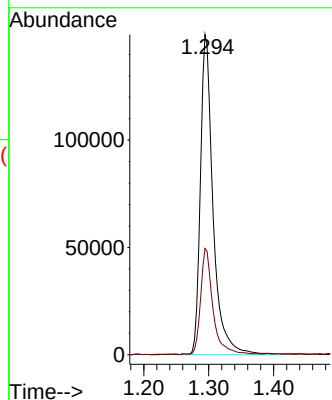
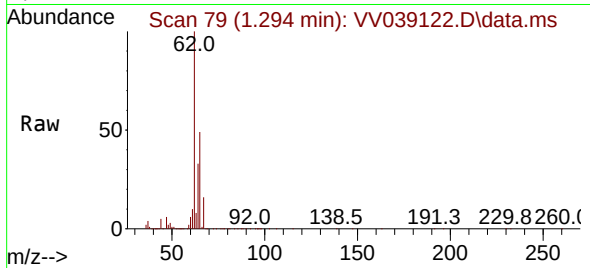




#5
 Vinyl chloride
 Concen: 5.282 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039122.D
 Acq: 17 Sep 2025 11:59

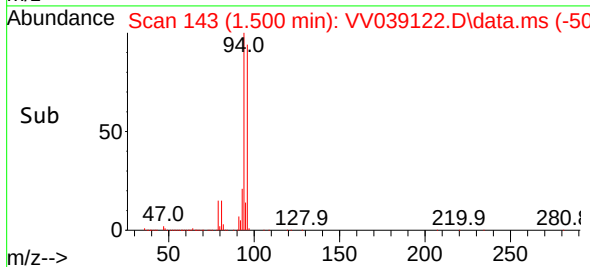
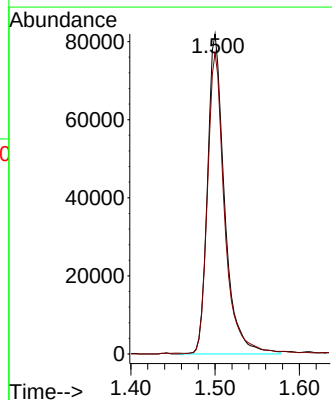
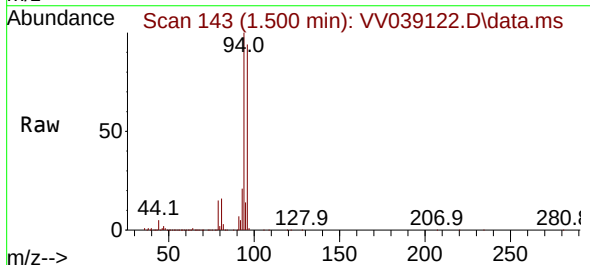
Instrument :
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 ClientSampleId :
 VSTD005359

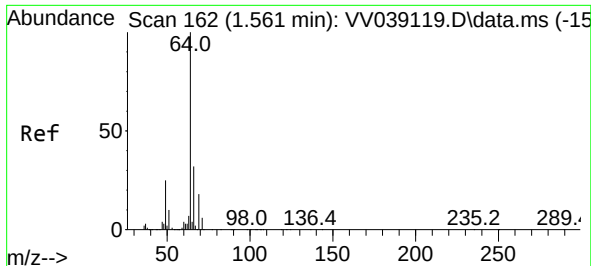
Tgt Ion: 62 Resp: 202510
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.4 41.6



#6
 Bromomethane
 Concen: 5.294 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VV039122.D
 Acq: 17 Sep 2025 11:59

Tgt Ion: 94 Resp: 115773
 Ion Ratio Lower Upper
 94 100
 96 94.1 65.9 122.5

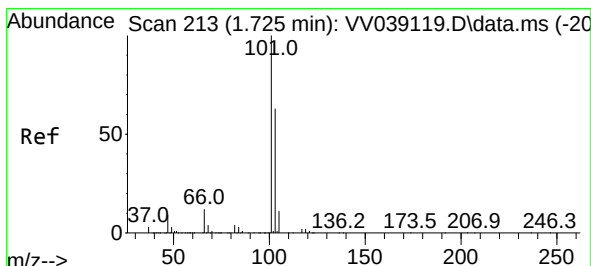
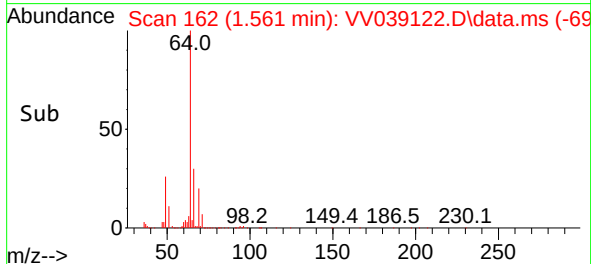
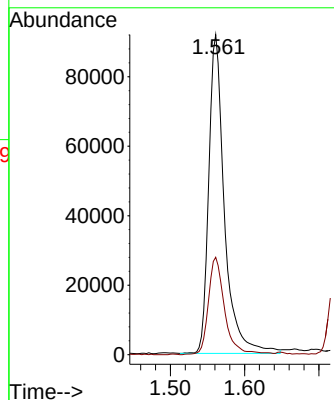
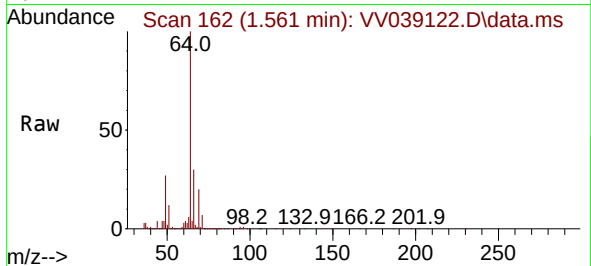




#8
Chloroethane
Concen: 5.623 ug/L
RT: 1.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

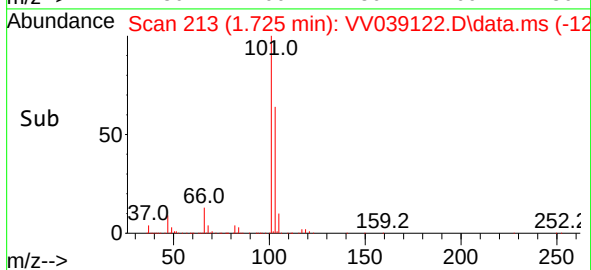
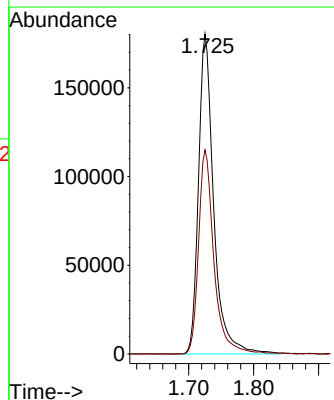
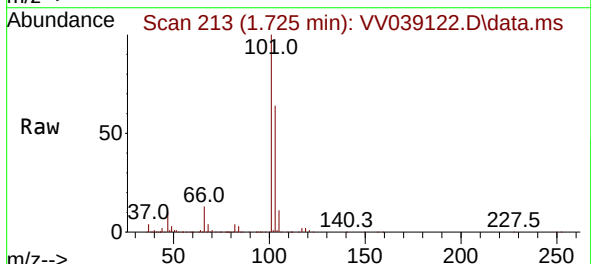
Instrument :
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ClientSampleId :
VSTD005359

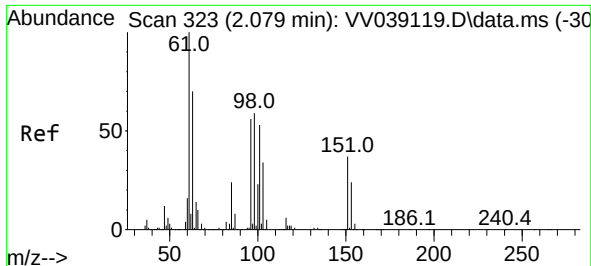
Tgt Ion: 64 Resp: 134329
Ion Ratio Lower Upper
64 100
66 30.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.690 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 101 Resp: 293896
Ion Ratio Lower Upper
101 100
103 64.5 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.558 ug/L

RT: 2.079 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

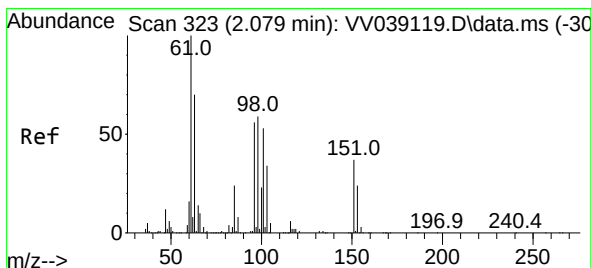
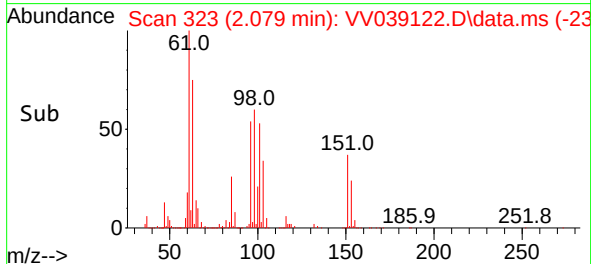
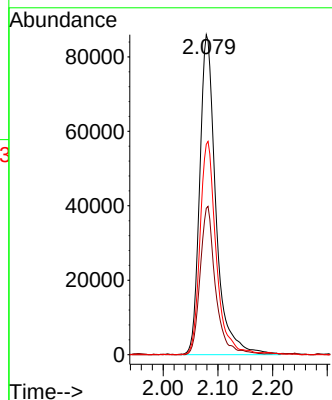
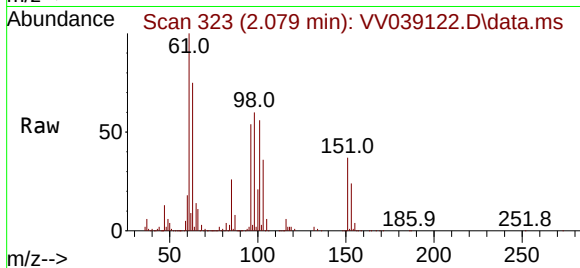
Tgt Ion:101 Resp: 176842

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

151 66.6 55.4 83.0



#12

1,1-Dichloroethene

Concen: 5.268 ug/L

RT: 2.082 min Scan# 324

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

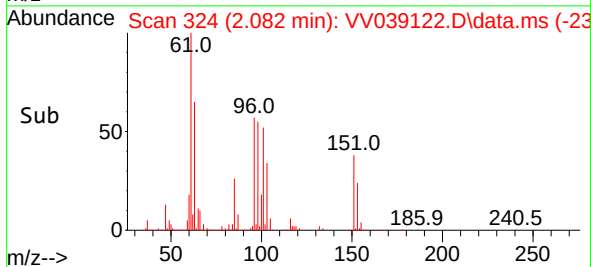
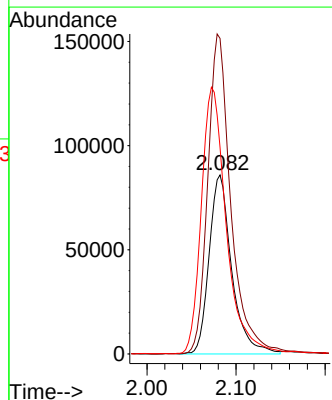
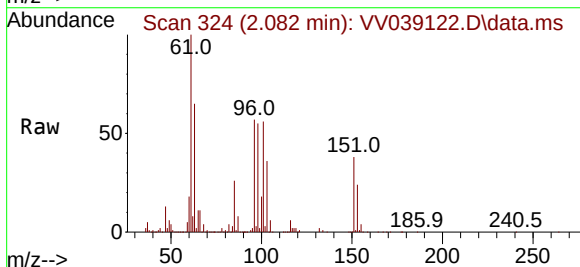
Tgt Ion: 96 Resp: 151435

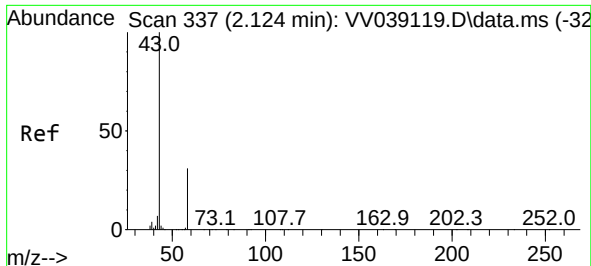
Ion Ratio Lower Upper

96 100

61 176.2 124.7 231.7

63 115.3 93.5 173.7





#13

Acetone

Concen: 64.132 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

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ClientSampleId :

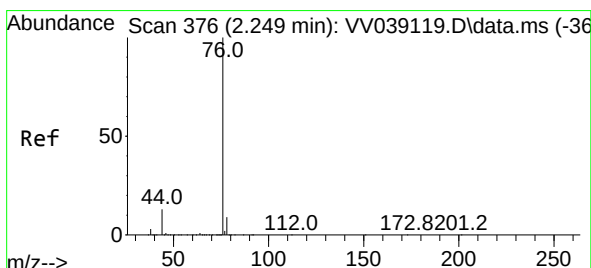
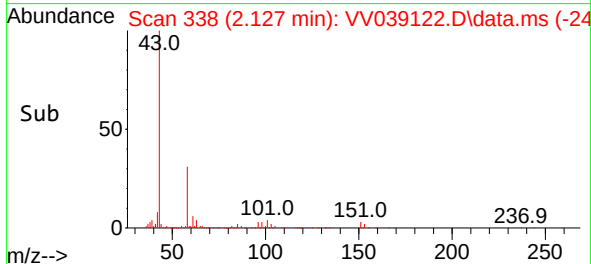
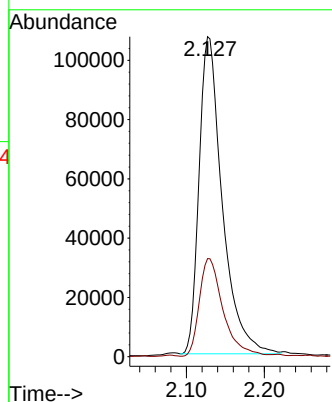
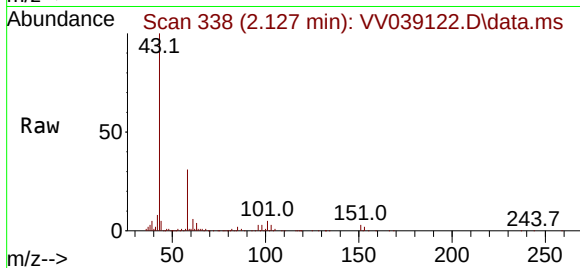
VSTD005359

Tgt Ion: 43 Resp: 221278

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



#14

Carbon disulfide

Concen: 5.449 ug/L

RT: 2.252 min Scan# 377

Delta R.T. 0.003 min

Lab File: VV039122.D

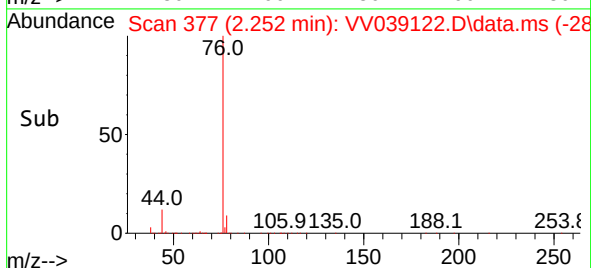
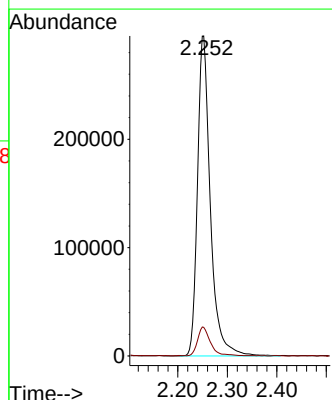
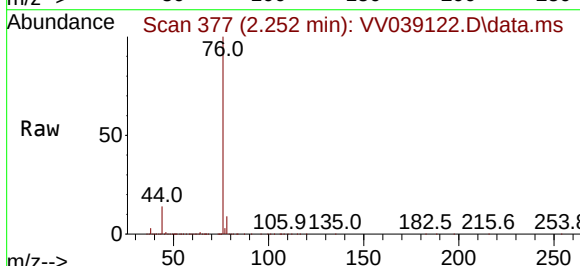
Acq: 17 Sep 2025 11:59

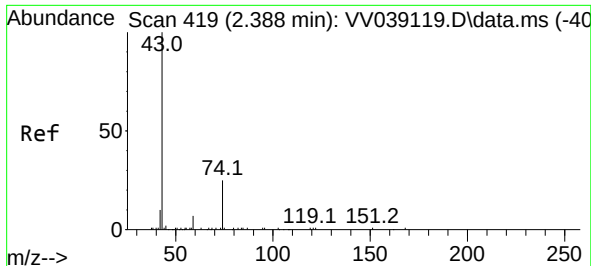
Tgt Ion: 76 Resp: 535923

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

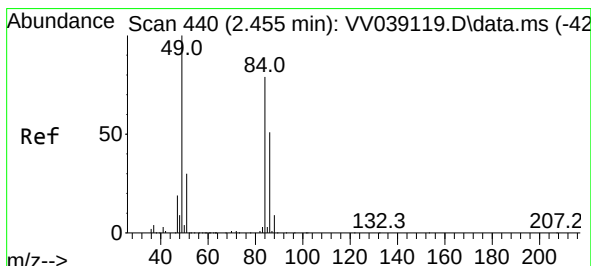
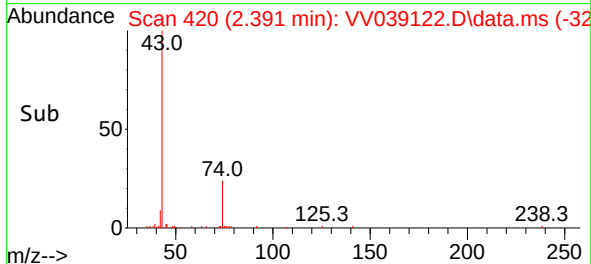
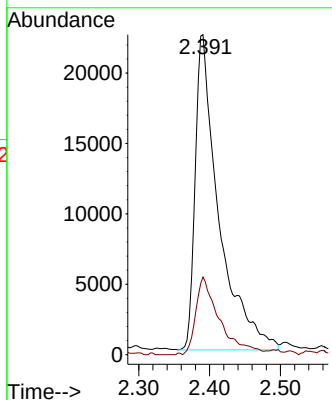
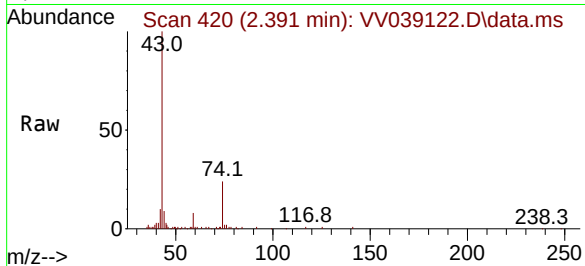




#15
Methyl Acetate
Concen: 5.975 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

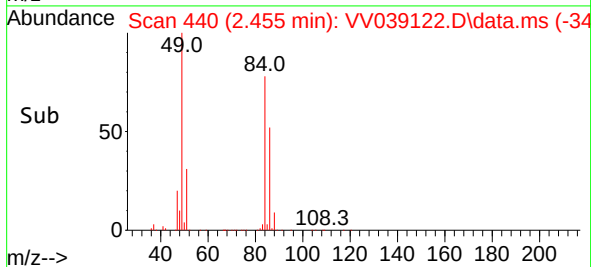
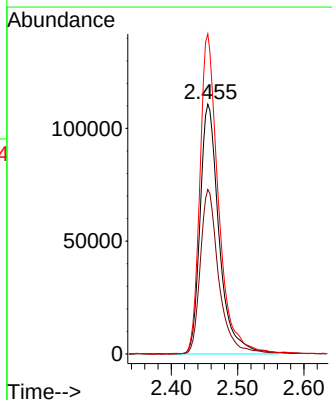
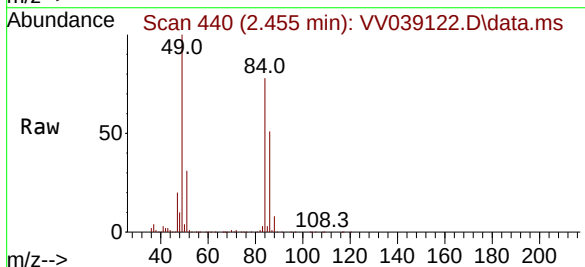
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

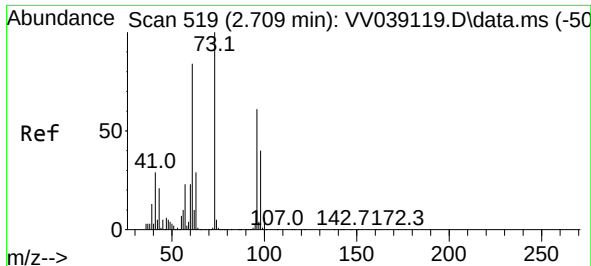
Tgt Ion: 43 Resp: 51764
Ion Ratio Lower Upper
43 100
74 24.9 18.8 28.2



#16
Methylene chloride
Concen: 6.822 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 84 Resp: 220743
Ion Ratio Lower Upper
84 100
86 65.9 44.2 82.2
49 128.1 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 5.540 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

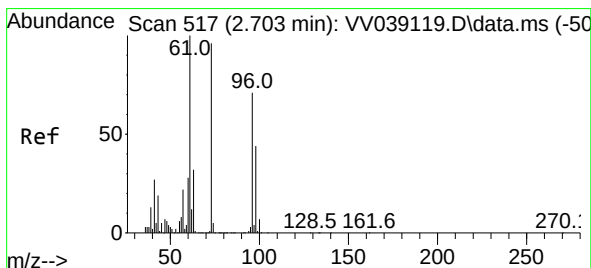
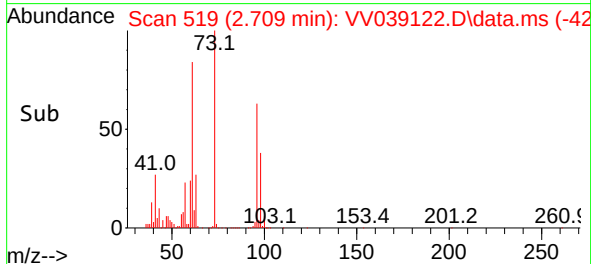
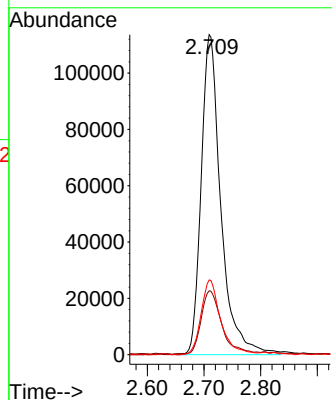
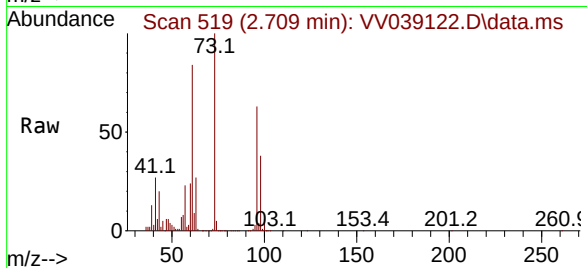
Tgt Ion: 73 Resp: 273840

Ion Ratio Lower Upper

73 100

43 20.8 14.7 22.1

57 23.3 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 5.495 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

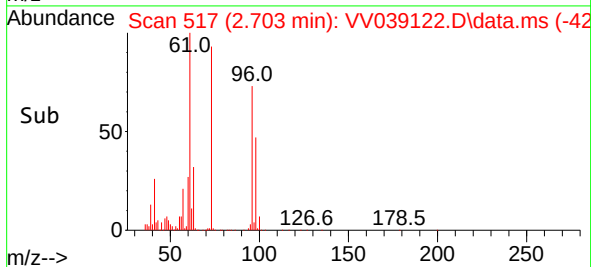
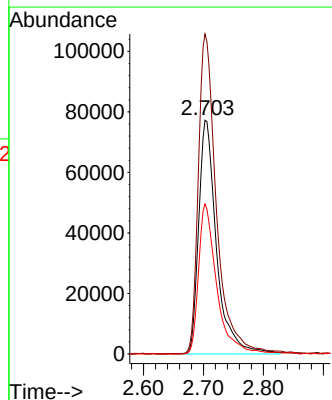
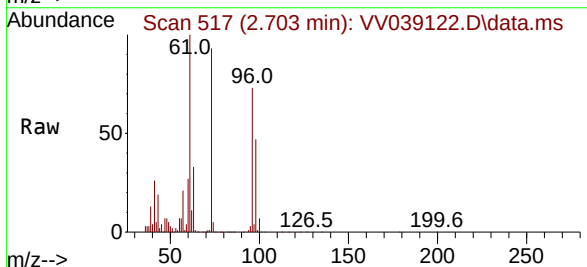
Tgt Ion: 96 Resp: 160804

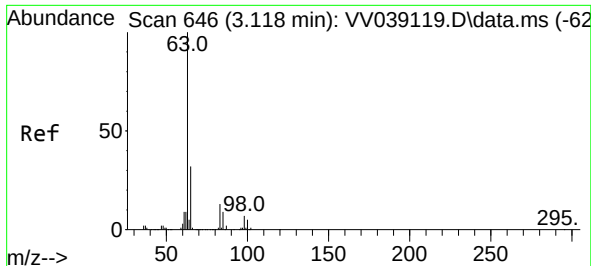
Ion Ratio Lower Upper

96 100

61 136.9 89.7 166.5

98 64.2 44.9 83.3

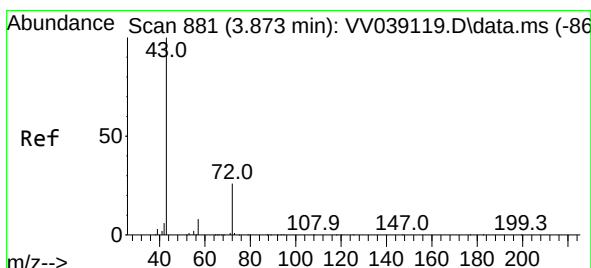
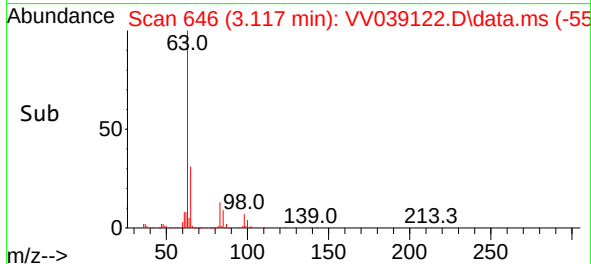
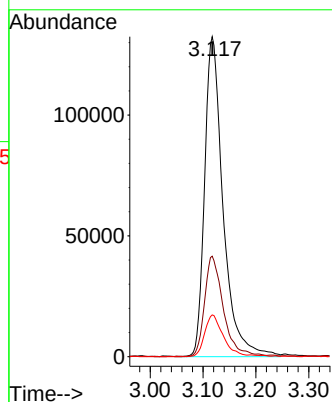
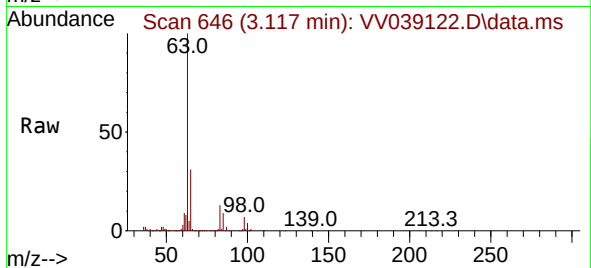




#19
1,1-Dichloroethane
Concen: 6.000 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

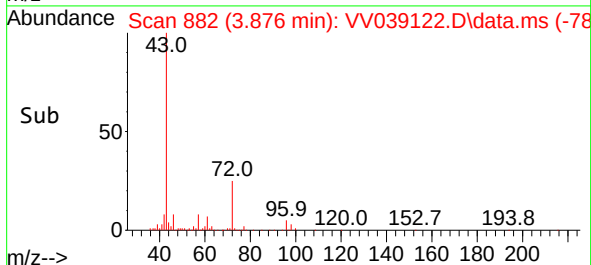
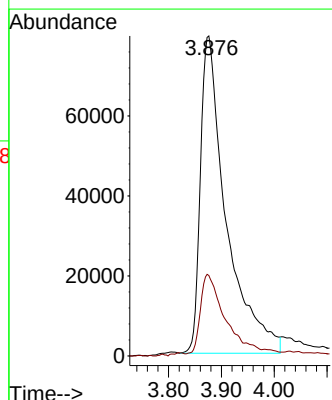
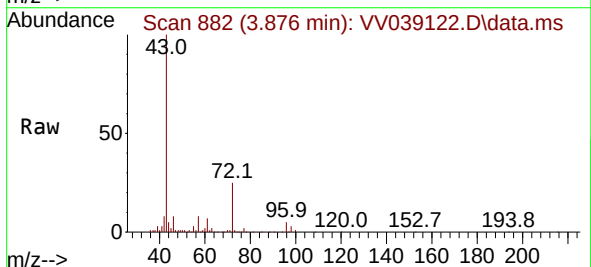
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

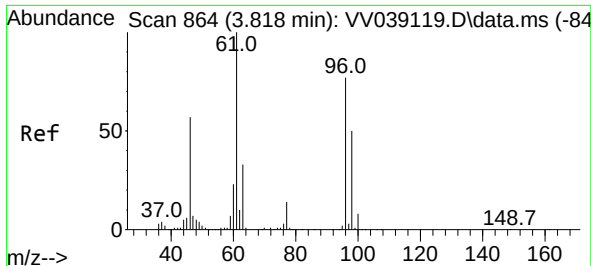
Tgt Ion: 63 Resp: 322036
Ion Ratio Lower Upper
63 100
65 31.4 21.5 39.9
83 13.1 9.2 17.2



#21
2-Butanone
Concen: 58.626 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 43 Resp: 268314
Ion Ratio Lower Upper
43 100
72 23.9 12.0 36.0

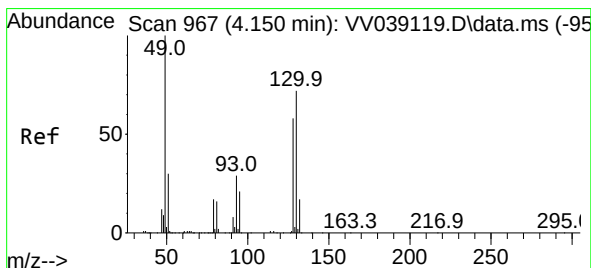
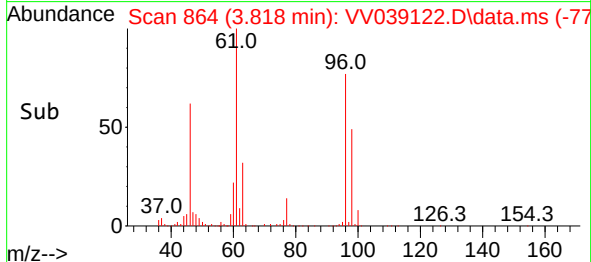
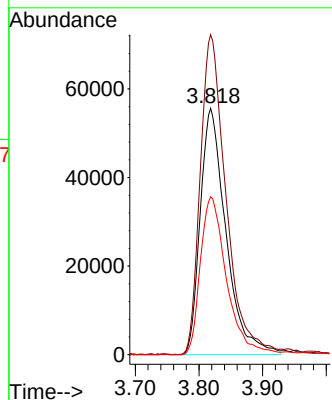
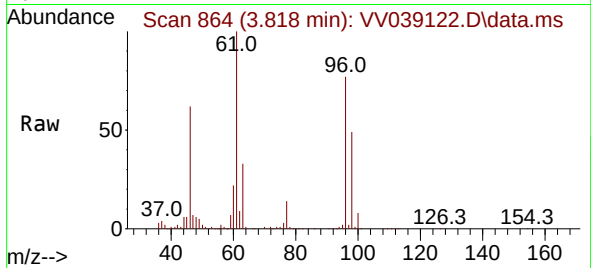




#22
cis-1,2-Dichloroethene
Concen: 5.475 ug/L
RT: 3.818 min Scan# 864
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

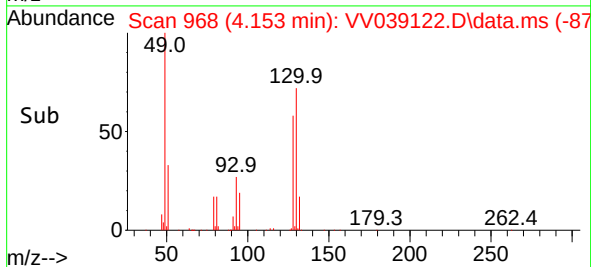
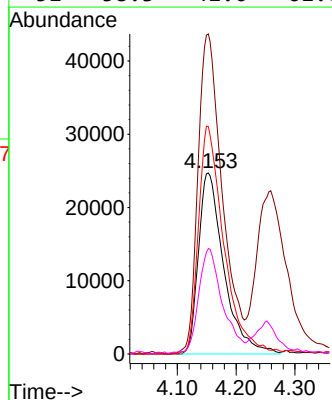
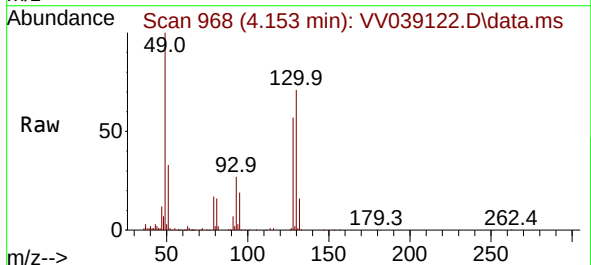
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

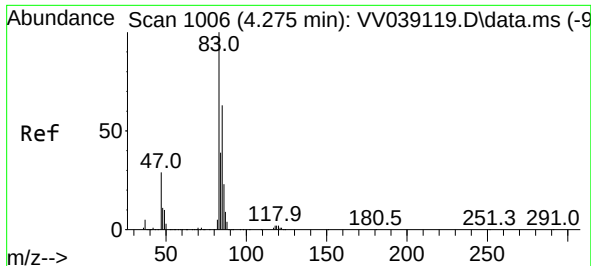
Tgt Ion: 96 Resp: 156361
Ion Ratio Lower Upper
96 100
61 129.8 85.4 158.6
98 64.0 46.6 86.6



#23
Bromochloromethane
Concen: 5.673 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion:128 Resp: 74118
Ion Ratio Lower Upper
128 100
49 176.8 115.3 214.1
130 125.6 93.2 173.0
51 58.3 41.0 61.6

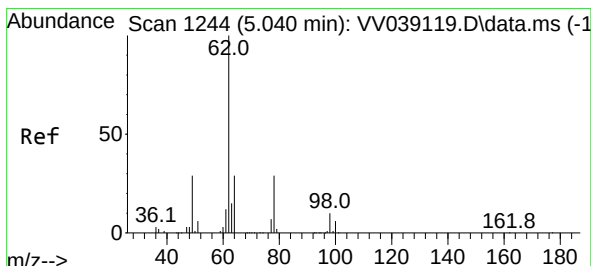
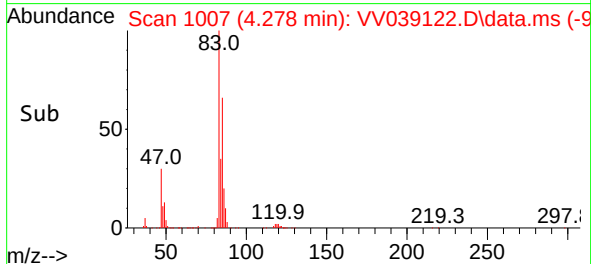
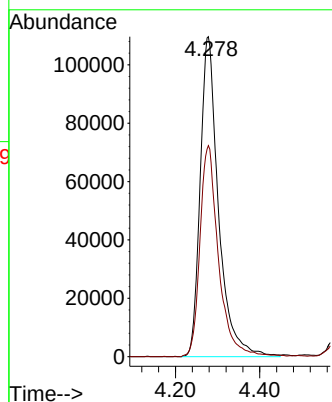
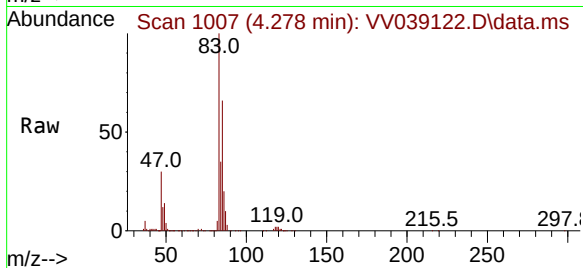




#25
Chloroform
Concen: 5.943 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

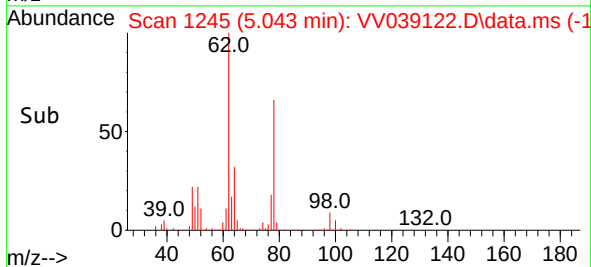
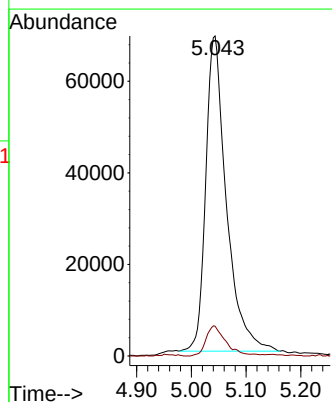
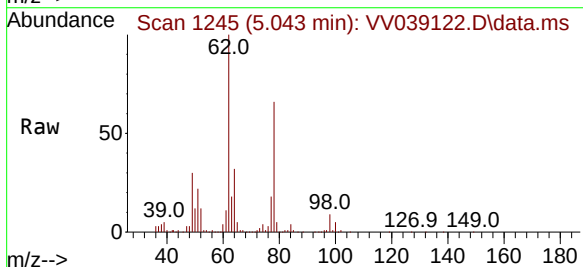
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

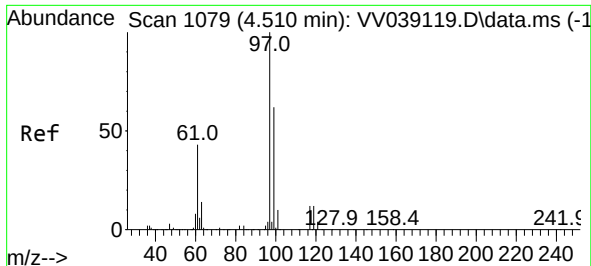
Tgt Ion: 83 Resp: 330506
Ion Ratio Lower Upper
83 100
85 66.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 6.335 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 62 Resp: 180753
Ion Ratio Lower Upper
62 100
98 9.3 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 6.139 ug/L

RT: 4.513 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

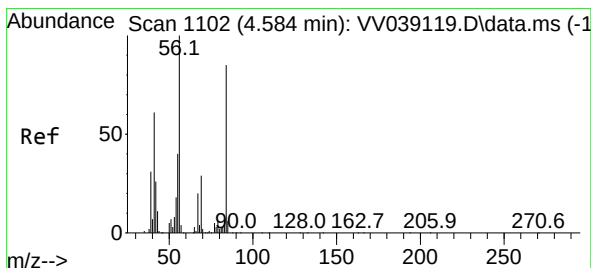
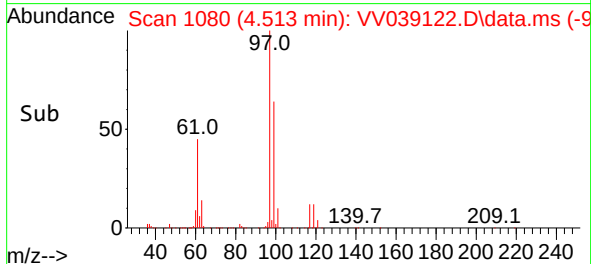
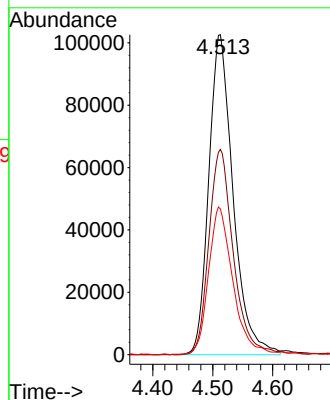
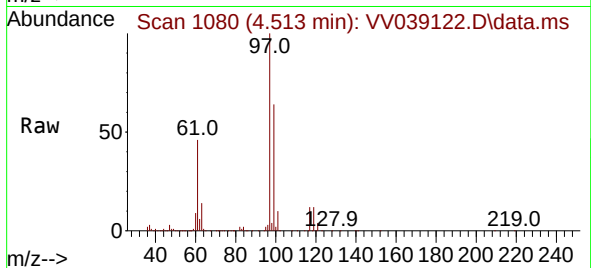
Tgt Ion: 97 Resp: 288893

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 45.6 32.9 49.3



#30

Cyclohexane

Concen: 5.842 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

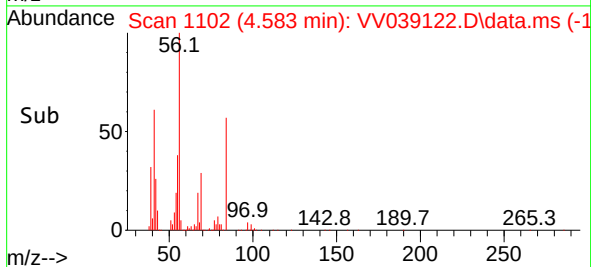
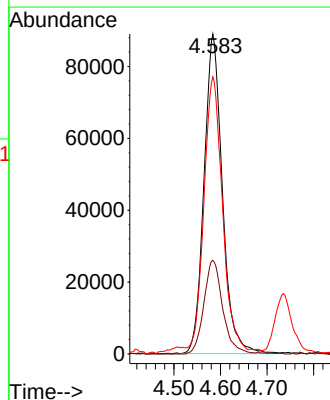
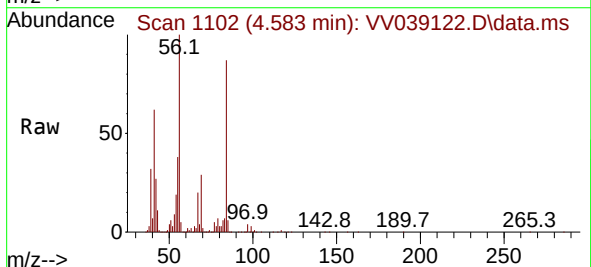
Tgt Ion: 56 Resp: 243794

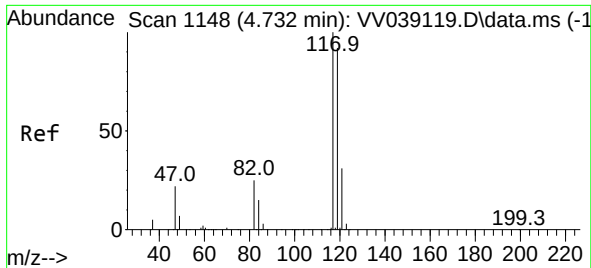
Ion Ratio Lower Upper

56 100

69 30.0 25.0 37.6

84 85.9 71.3 106.9

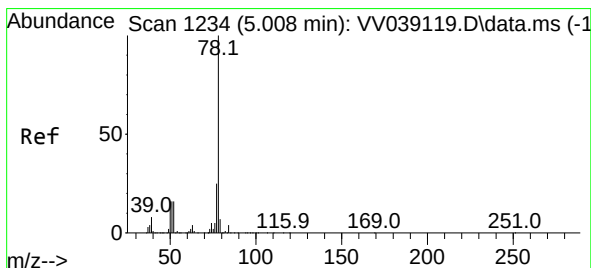
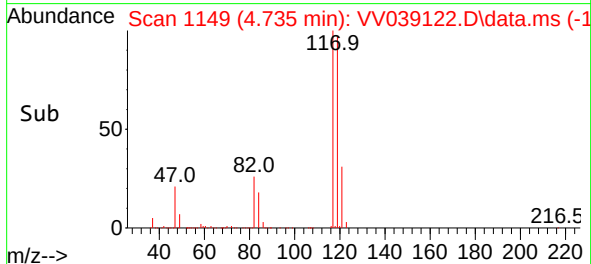
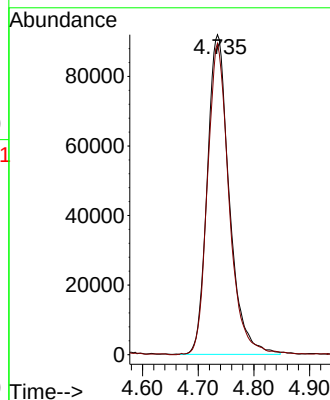
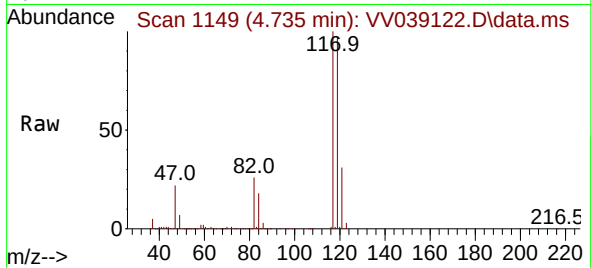




#31
Carbon tetrachloride
Concen: 5.914 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

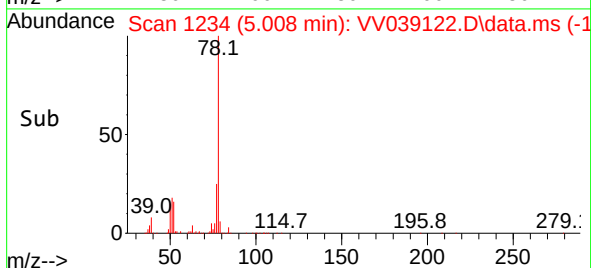
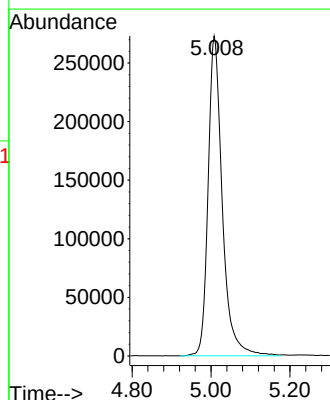
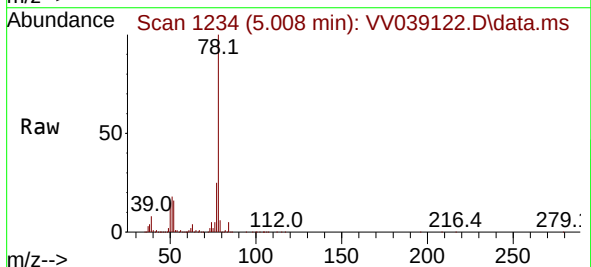
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

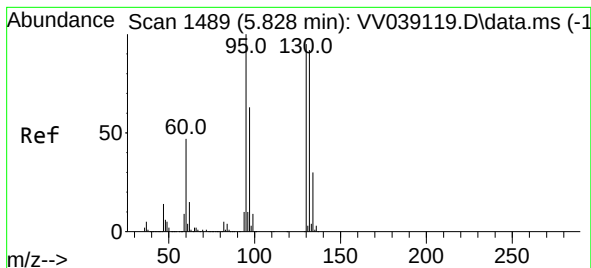
Tgt Ion:117 Resp: 252216
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.2



#33
Benzene
Concen: 6.325 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 78 Resp: 680451





#34

Trichloroethene

Concen: 5.989 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

Tgt Ion: 95 Resp: 173676

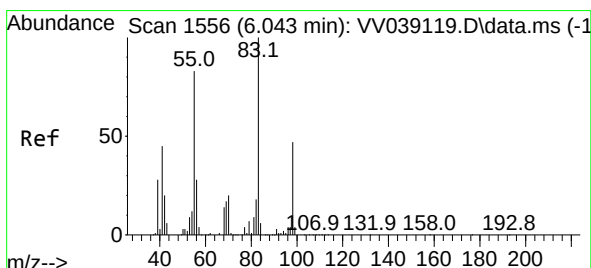
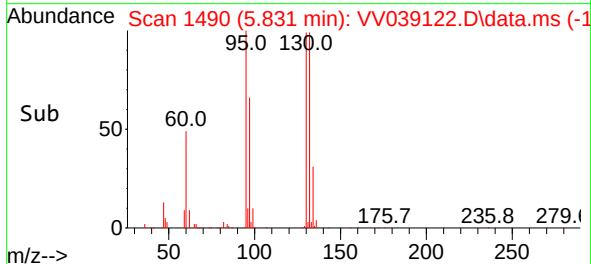
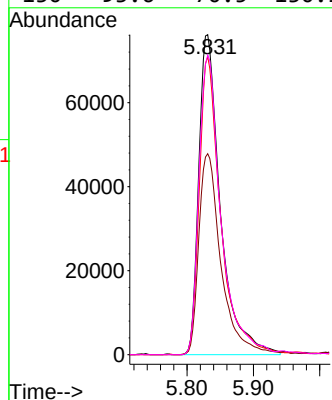
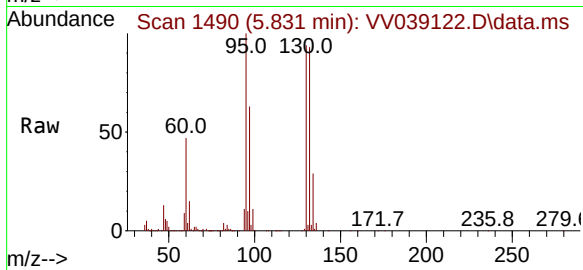
Ion Ratio Lower Upper

95 100

97 62.8 43.3 80.5

132 93.1 65.5 121.7

130 93.6 70.5 130.9



#35

Methylcyclohexane

Concen: 5.902 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

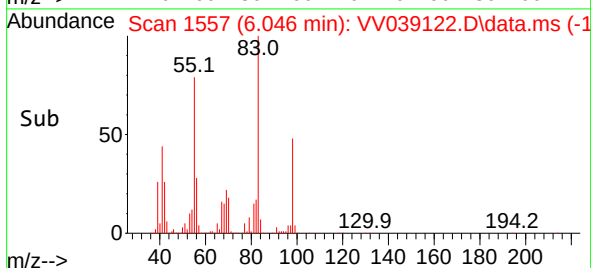
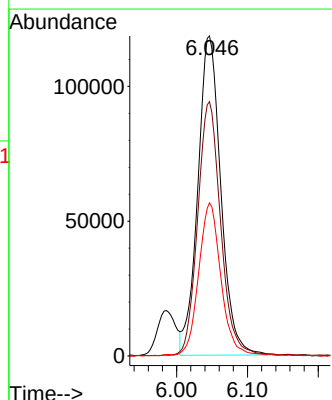
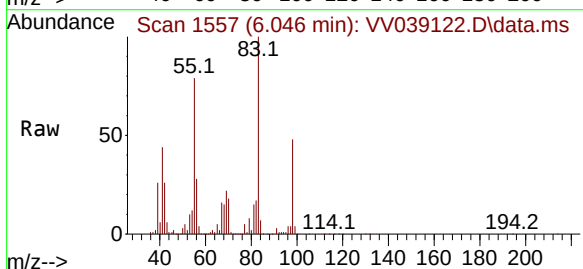
Tgt Ion: 83 Resp: 267803

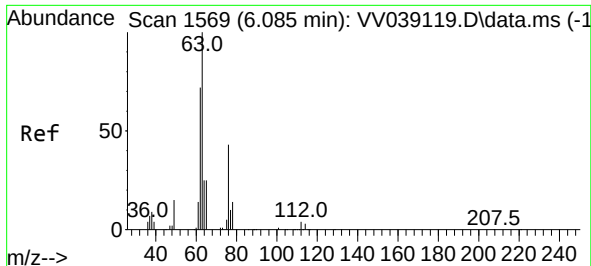
Ion Ratio Lower Upper

83 100

55 79.6 61.4 92.2

98 45.5 38.2 57.4





#37

1,2-Dichloropropane

Concen: 6.584 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

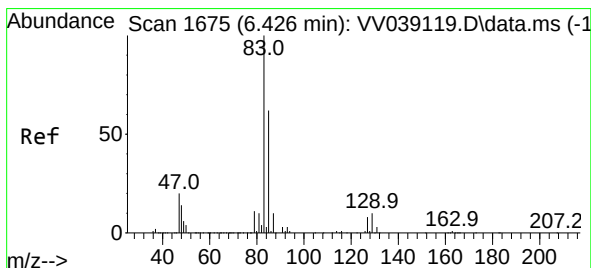
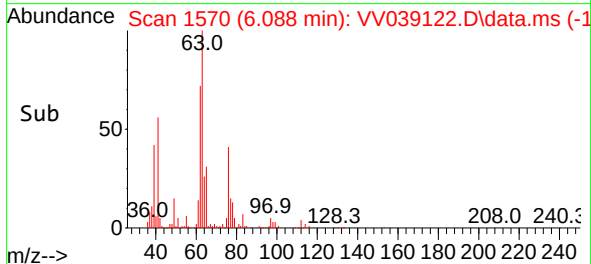
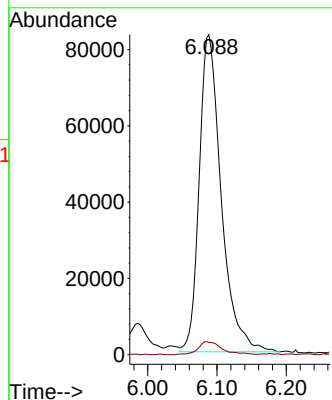
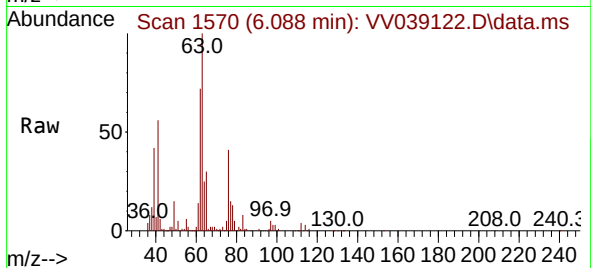
VSTD005359

Tgt Ion: 63 Resp: 183680

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 6.475 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

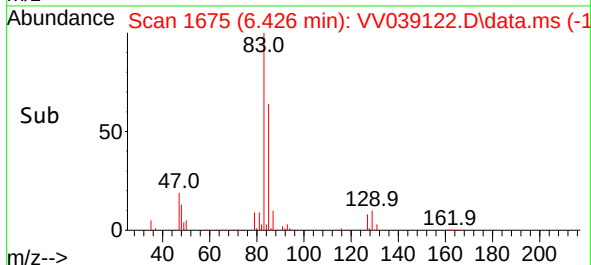
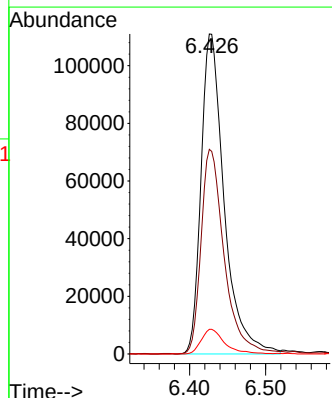
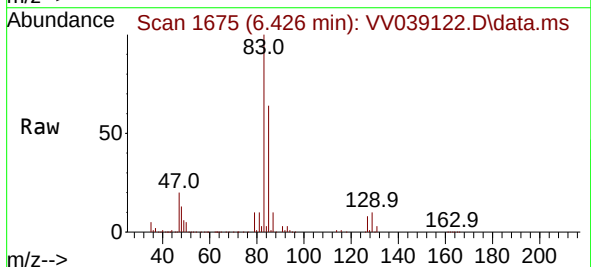
Tgt Ion: 83 Resp: 234860

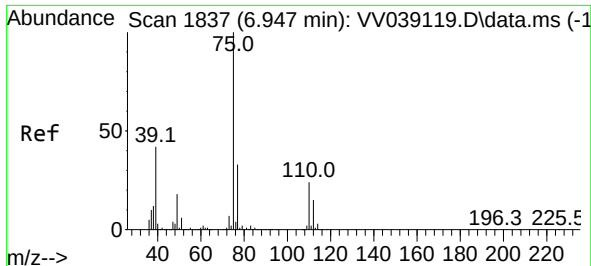
Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2

127 7.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 6.079 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

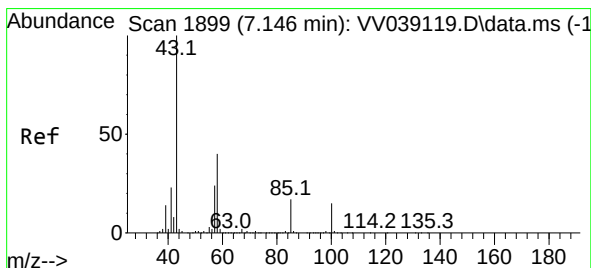
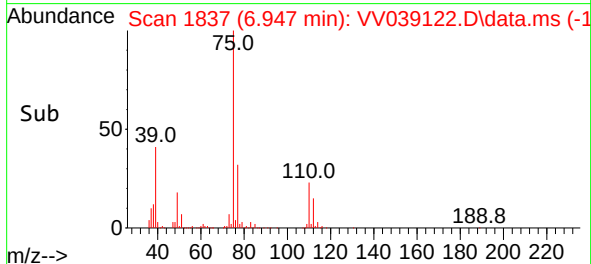
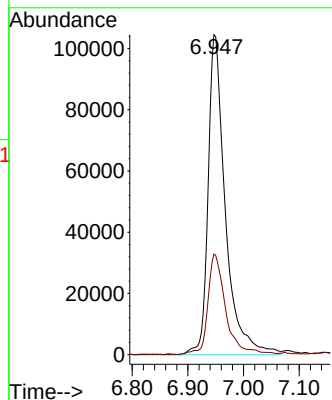
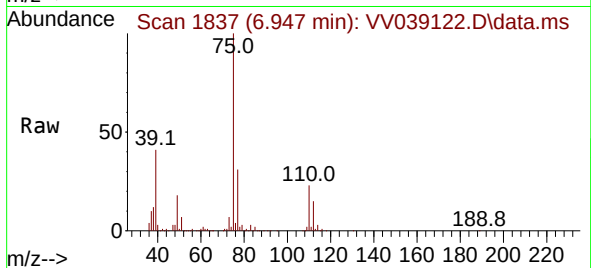
VSTD005359

Tgt Ion: 75 Resp: 224967

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 69.720 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

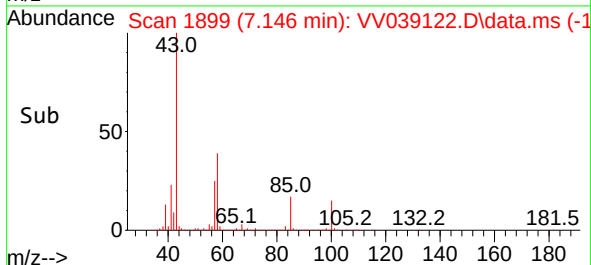
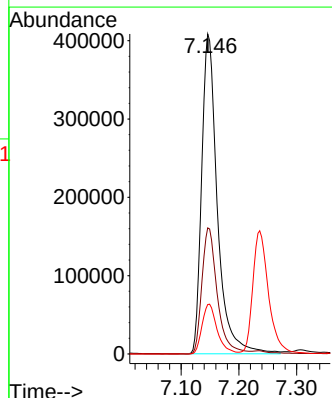
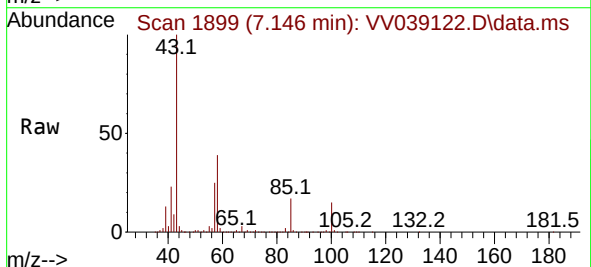
Tgt Ion: 43 Resp: 770671

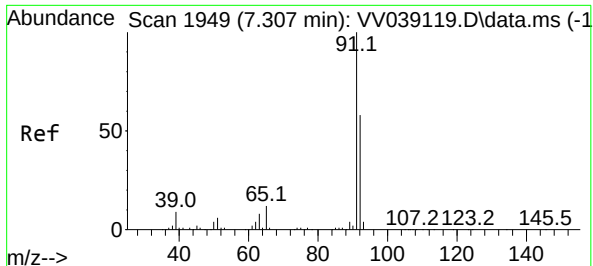
Ion Ratio Lower Upper

43 100

58 38.6 31.7 47.5

100 15.0 13.0 19.4

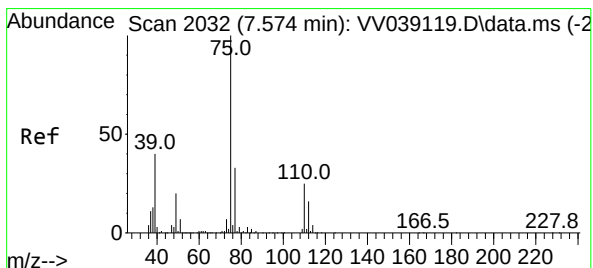
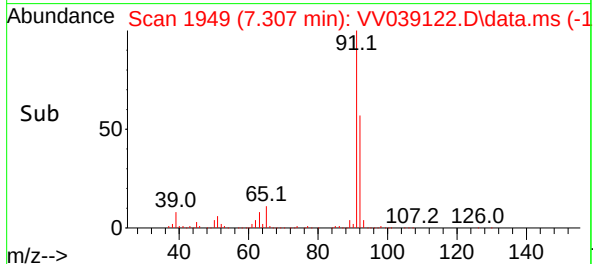
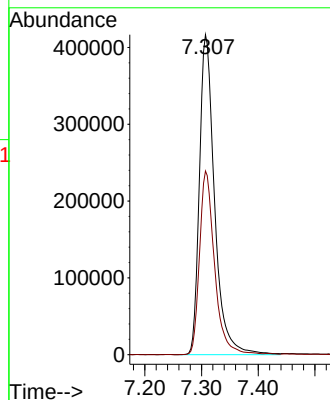
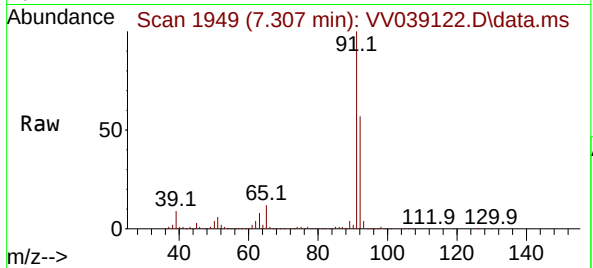




#42
Toluene
Concen: 6.909 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

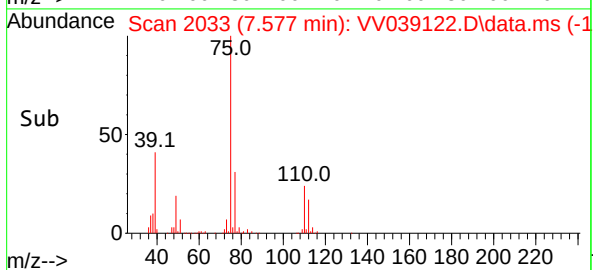
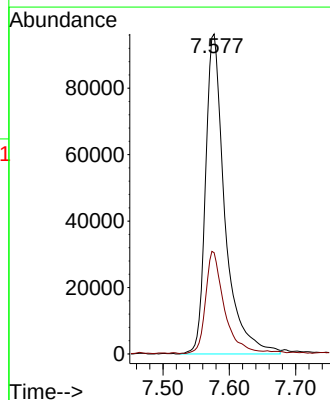
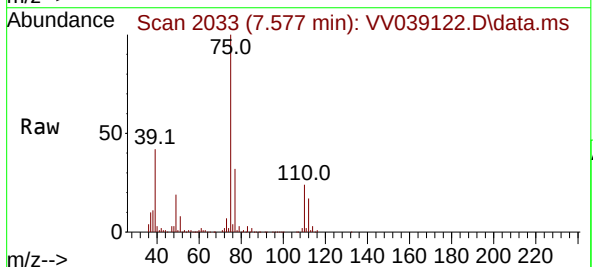
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

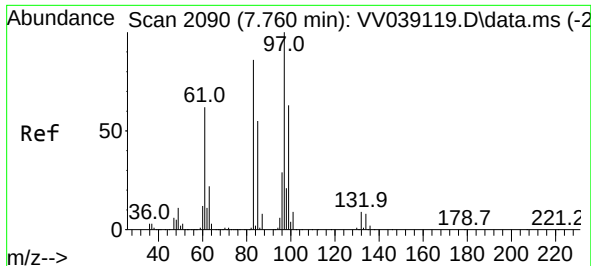
Tgt Ion: 91 Resp: 774599
Ion Ratio Lower Upper
91 100
92 57.4 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 6.488 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 75 Resp: 195156
Ion Ratio Lower Upper
75 100
77 31.6 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 6.507 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

Tgt Ion: 97 Resp: 124665

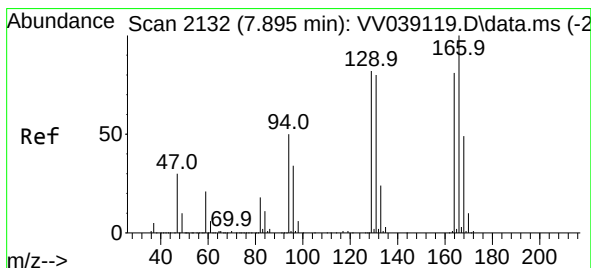
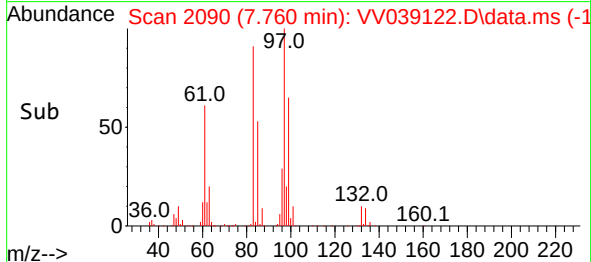
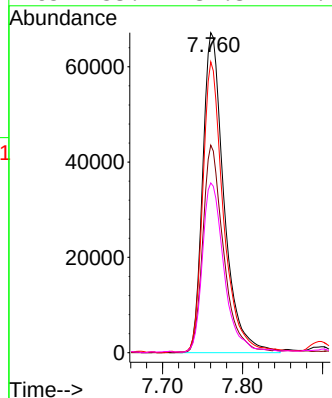
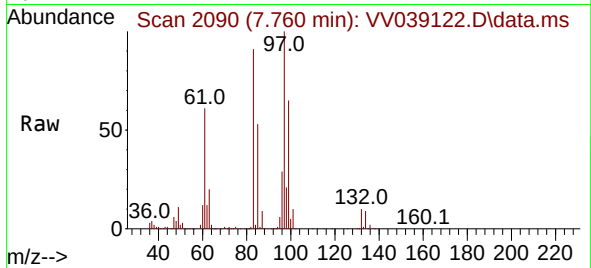
Ion Ratio Lower Upper

97 100

99 64.8 43.3 80.3

83 90.9 61.7 114.7

85 53.1 39.3 72.9



#47

Tetrachloroethene

Concen: 6.111 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Tgt Ion:164 Resp: 138526

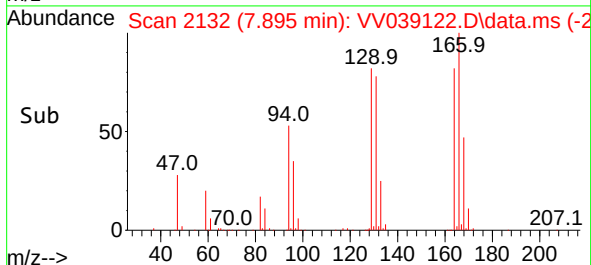
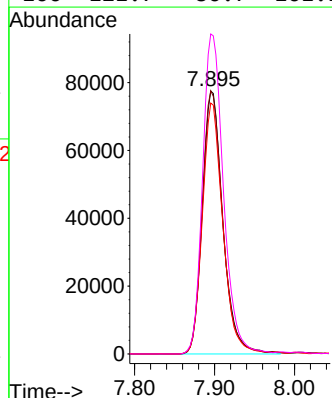
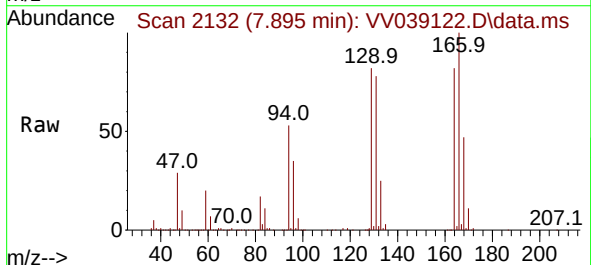
Ion Ratio Lower Upper

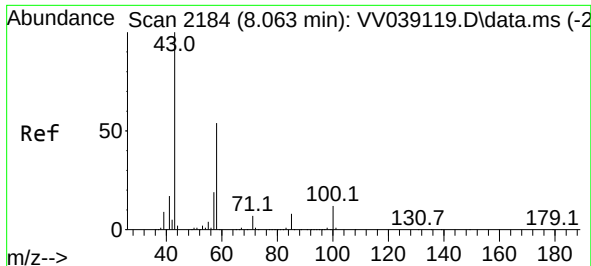
164 100

129 100.1 68.0 126.4

131 95.5 65.4 121.4

166 121.7 86.7 161.1

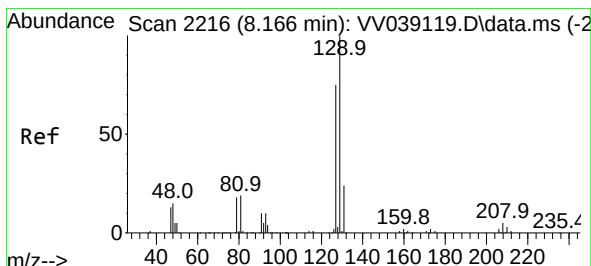
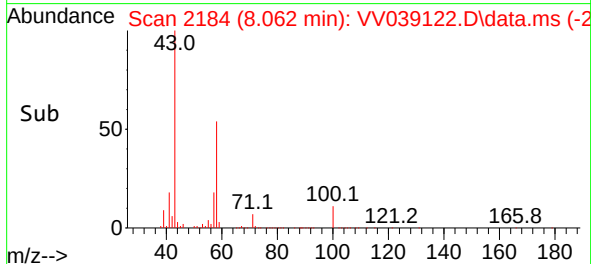
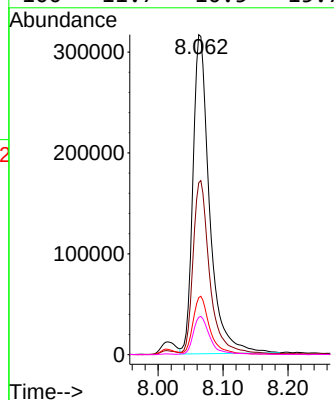
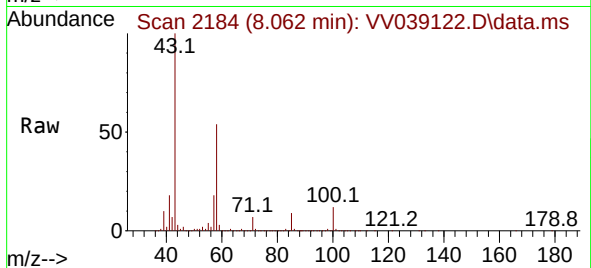




#48
2-Hexanone
Concen: 73.492 ug/L
RT: 8.062 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

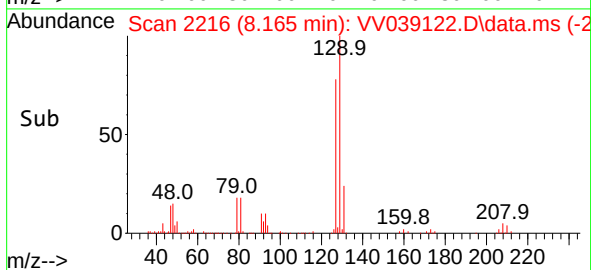
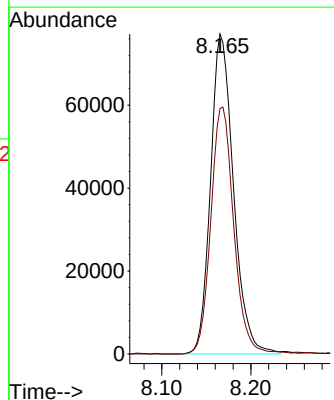
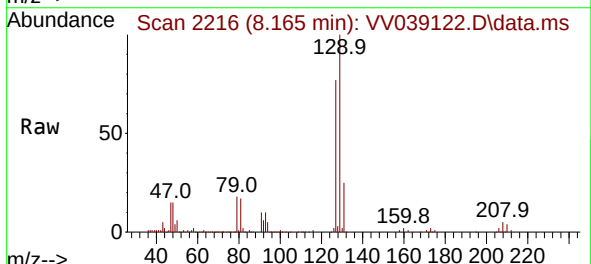
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

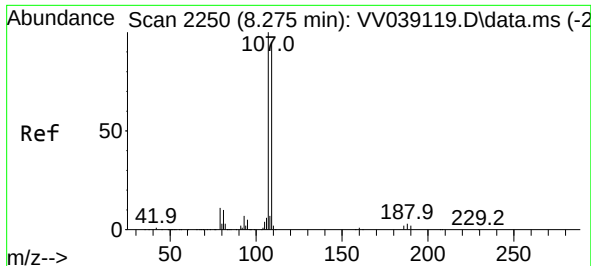
Tgt Ion: 43 Resp: 564742
Ion Ratio Lower Upper
43 100
58 54.0 45.6 68.4
57 18.1 15.6 23.4
100 11.7 10.5 15.7



#49
Dibromochloromethane
Concen: 6.159 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 129 Resp: 138127
Ion Ratio Lower Upper
129 100
127 76.7 56.7 105.3





#50

1,2-Dibromoethane

Concen: 6.265 ug/L

RT: 8.275 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

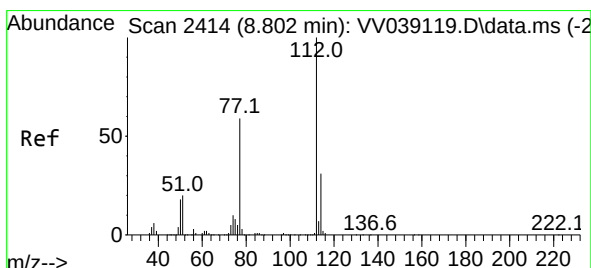
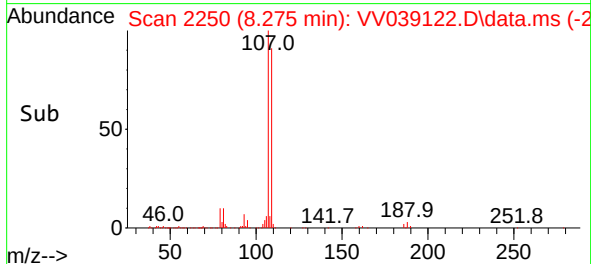
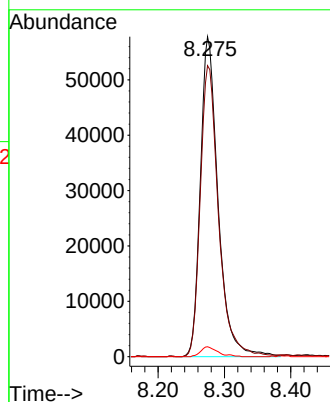
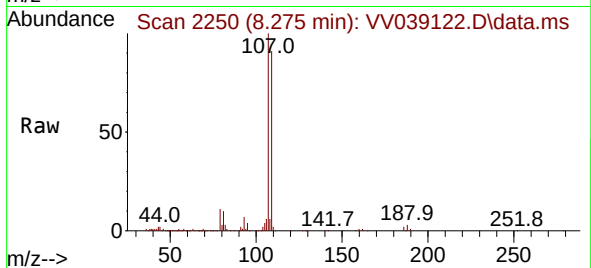
Tgt Ion:107 Resp: 107689

Ion Ratio Lower Upper

107 100

109 90.9 67.1 124.7

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 5.930 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

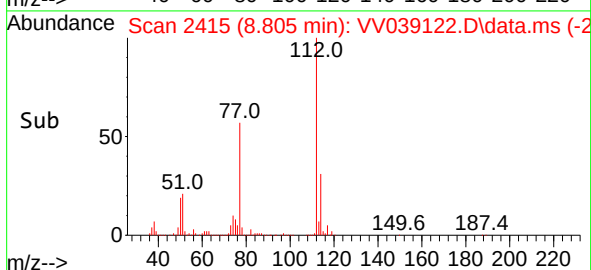
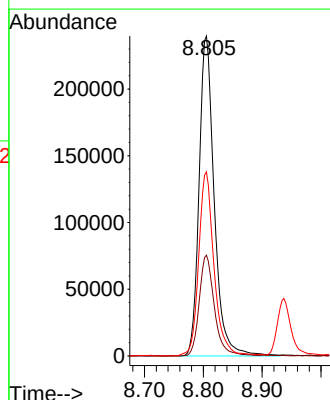
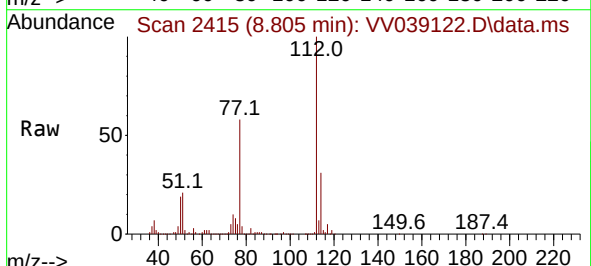
Tgt Ion:112 Resp: 429134

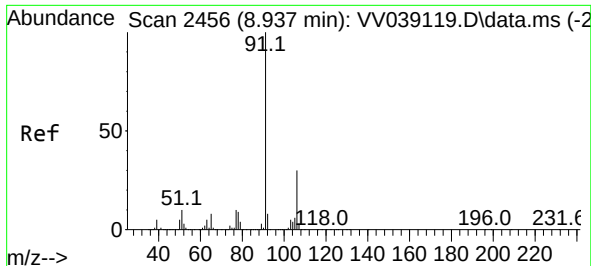
Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 57.6 46.6 69.8

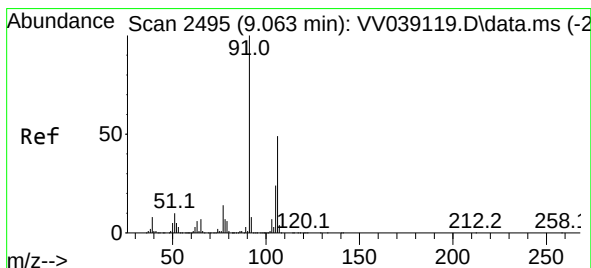
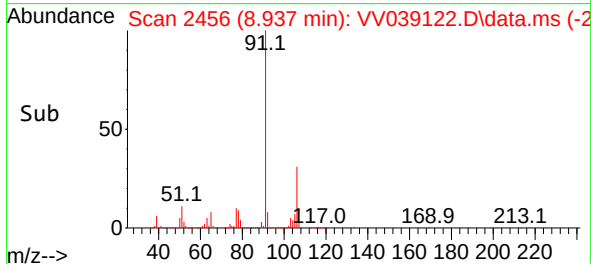
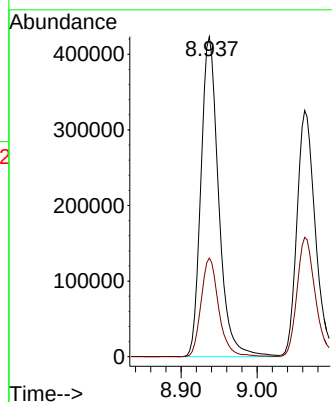
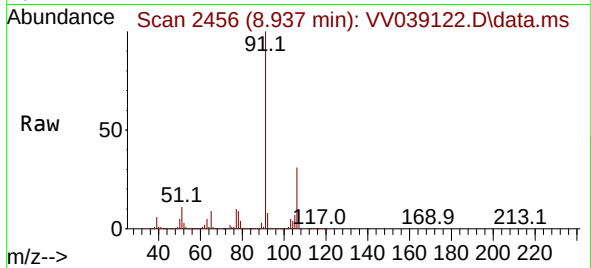




#52
Ethylbenzene
Concen: 5.936 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

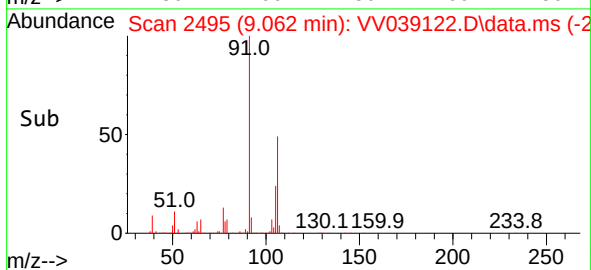
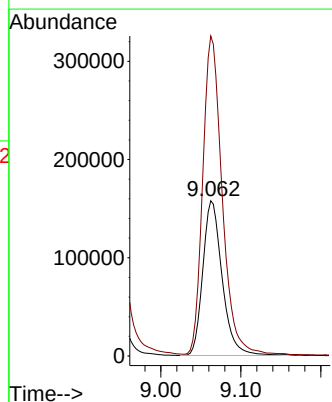
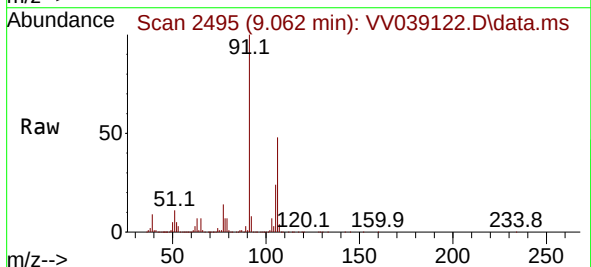
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

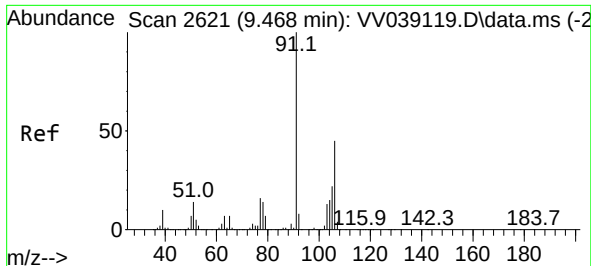
Tgt Ion: 91 Resp: 685663
Ion Ratio Lower Upper
91 100
106 30.8 20.8 38.6



#53
m,p-Xylene
Concen: 5.919 ug/L
RT: 9.062 min Scan# 2495
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 106 Resp: 265924
Ion Ratio Lower Upper
106 100
91 206.2 140.1 260.3

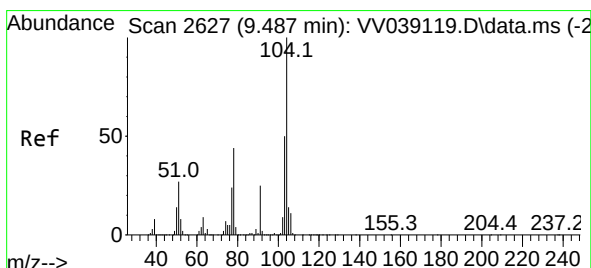
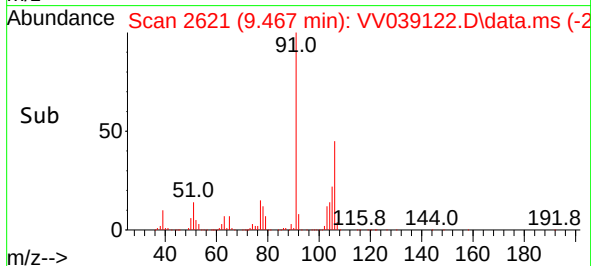
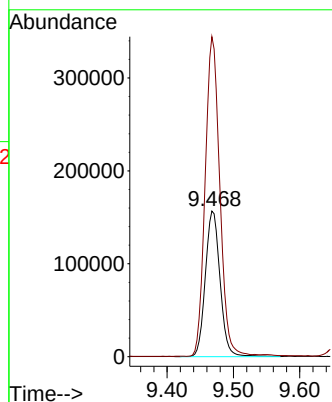
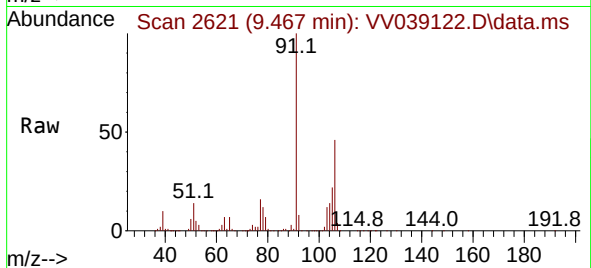




#54
o-Xylene
Concen: 5.859 ug/L
RT: 9.467 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

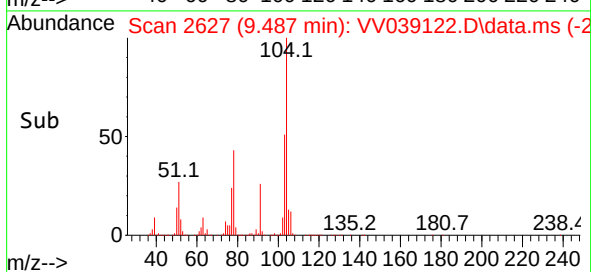
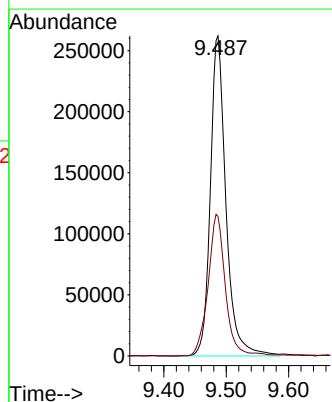
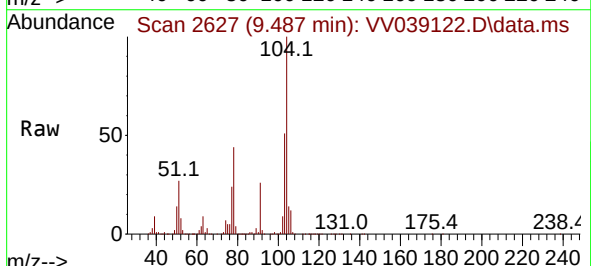
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

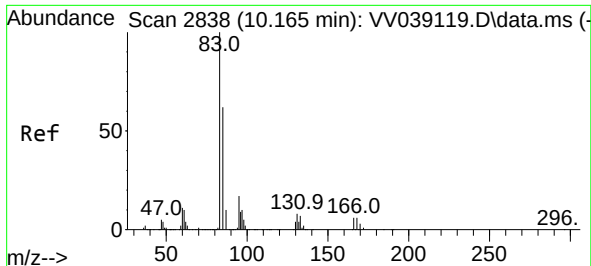
Tgt Ion:106 Resp: 241483
Ion Ratio Lower Upper
106 100
91 219.8 150.7 279.9



#55
Styrene
Concen: 6.253 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion:104 Resp: 455388
Ion Ratio Lower Upper
104 100
78 43.6 29.9 55.5

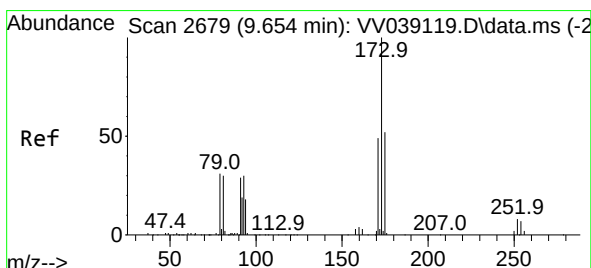
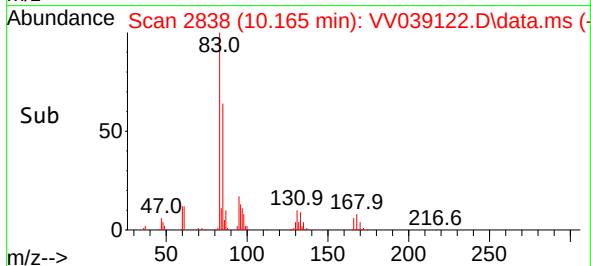
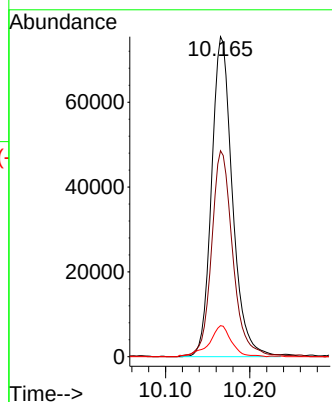
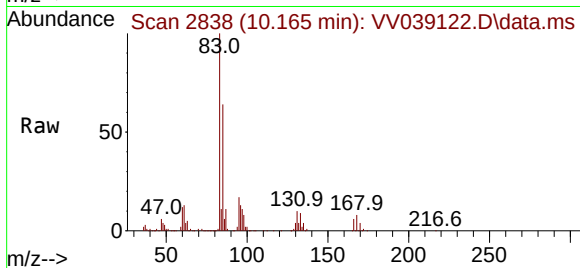




#57
1,1,2,2-Tetrachloroethane
Concen: 6.074 ug/L
RT: 10.165 min Scan# 2838
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

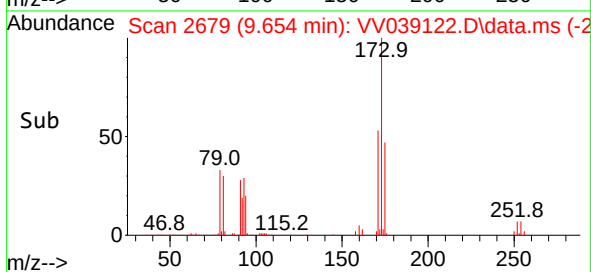
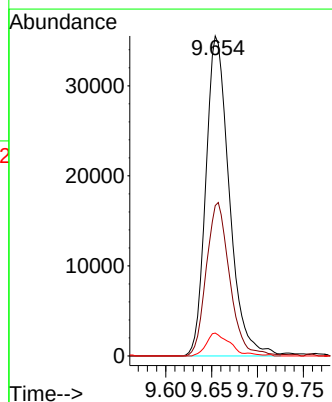
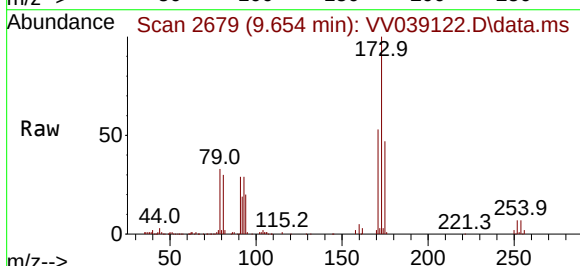
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

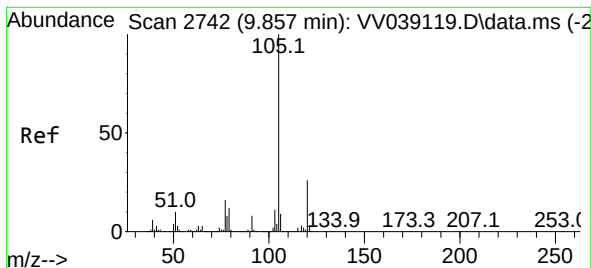
Tgt Ion: 83 Resp: 129696
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4
131 9.7 7.2 10.8



#59
Bromoform
Concen: 5.259 ug/L
RT: 9.654 min Scan# 2679
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 173 Resp: 63084
Ion Ratio Lower Upper
173 100
175 48.0 38.8 58.2
254 7.3 6.8 10.2





#60

Isopropylbenzene

Concen: 5.862 ug/L

RT: 9.857 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

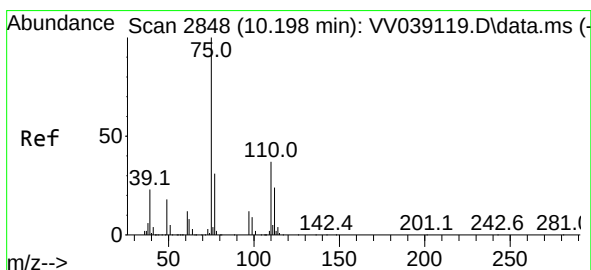
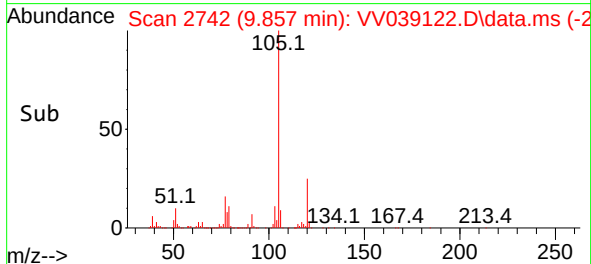
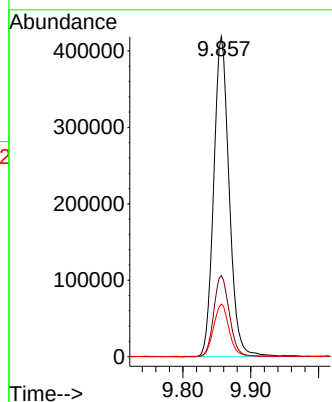
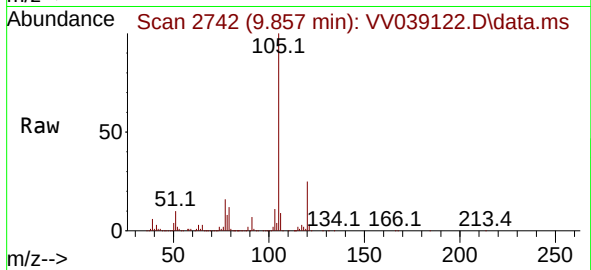
Tgt Ion:105 Resp: 663004

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.3 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 6.285 ug/L

RT: 10.197 min Scan# 2848

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

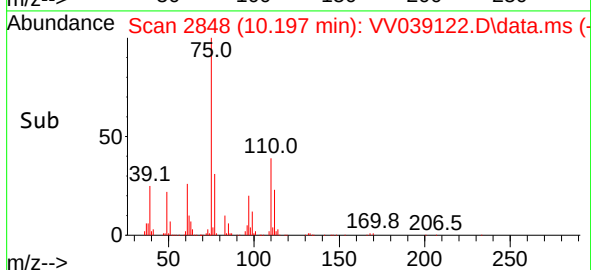
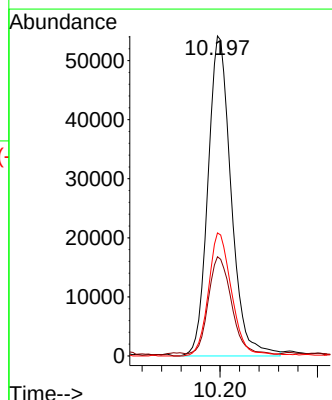
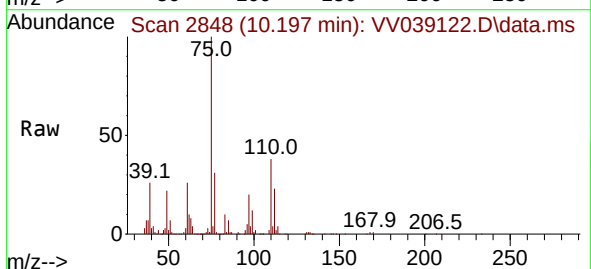
Tgt Ion: 75 Resp: 89528

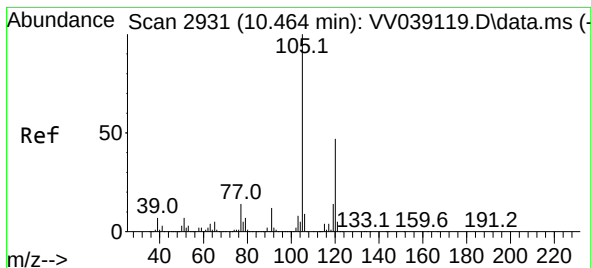
Ion Ratio Lower Upper

75 100

77 30.2 25.1 37.7

110 38.8 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 5.422 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

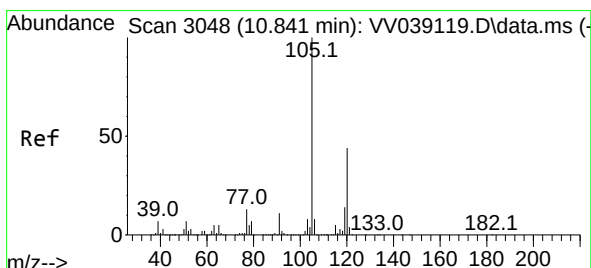
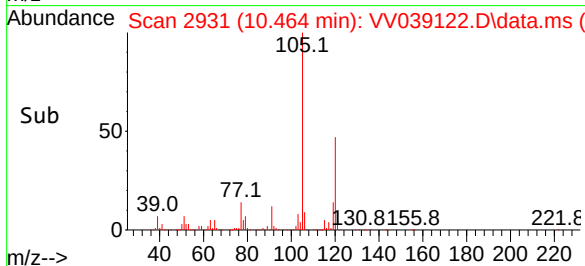
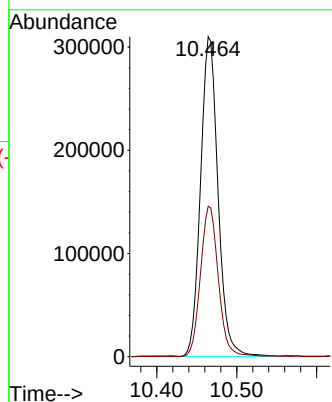
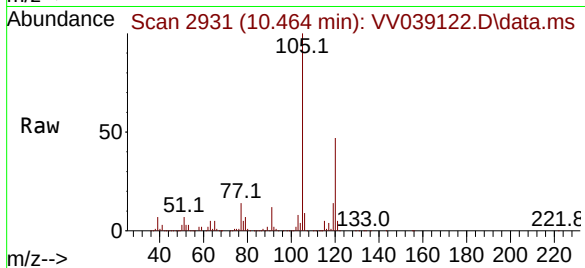
VSTD005359

Tgt Ion:105 Resp: 470806

Ion Ratio Lower Upper

105 100

120 47.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 5.580 ug/L

RT: 10.840 min Scan# 3048

Delta R.T. -0.000 min

Lab File: VV039122.D

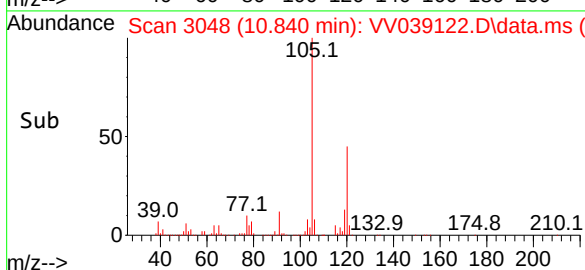
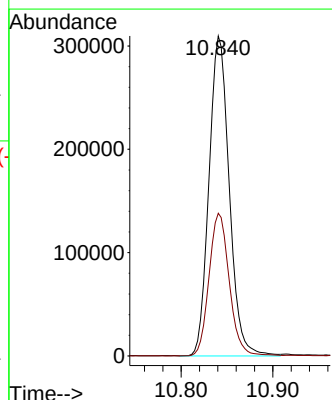
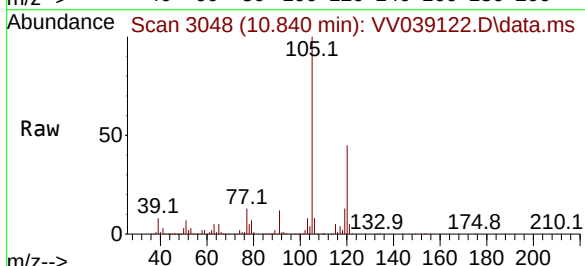
Acq: 17 Sep 2025 11:59

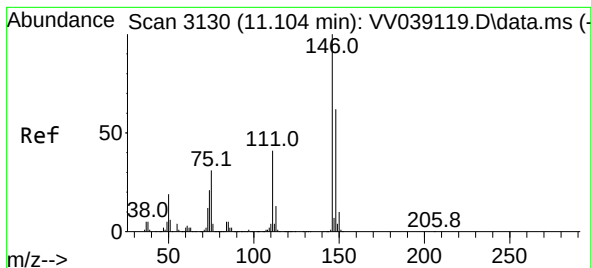
Tgt Ion:105 Resp: 475907

Ion Ratio Lower Upper

105 100

120 44.3 36.6 54.8





#64

1,3-Dichlorobenzene

Concen: 5.691 ug/L

RT: 11.104 min Scan# 3130

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

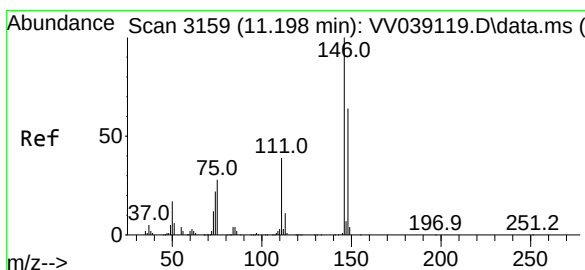
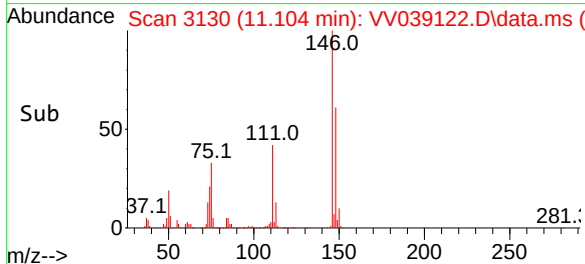
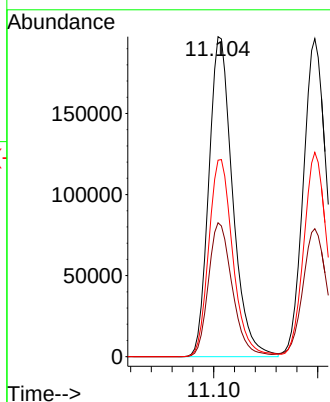
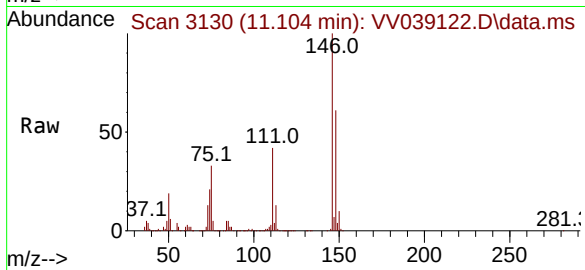
Tgt Ion:146 Resp: 314074

Ion Ratio Lower Upper

146 100

111 41.8 28.3 52.7

148 61.4 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 5.585 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

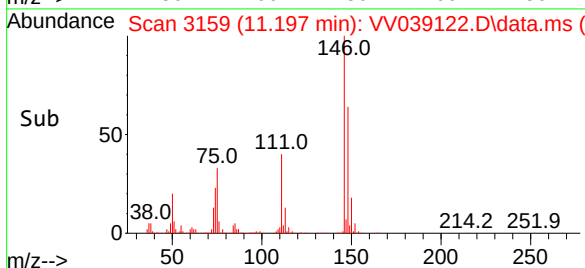
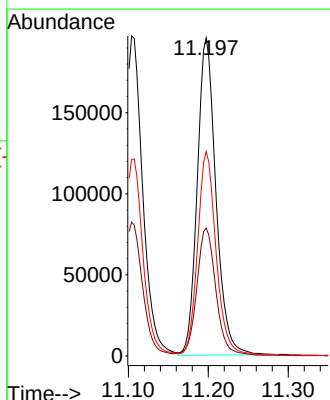
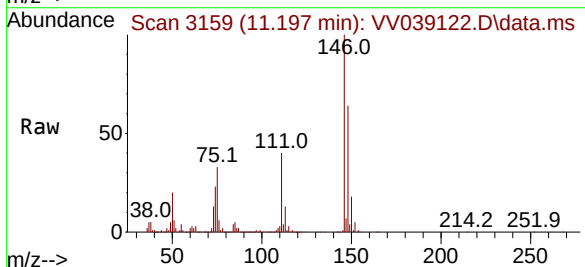
Tgt Ion:146 Resp: 318872

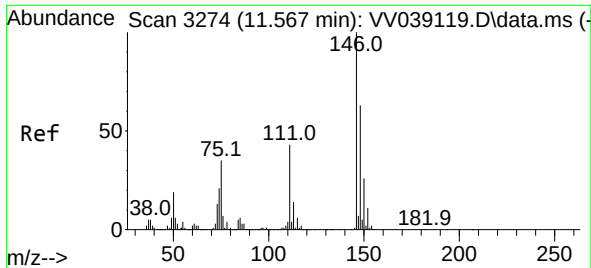
Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.6

148 64.2 43.8 81.4

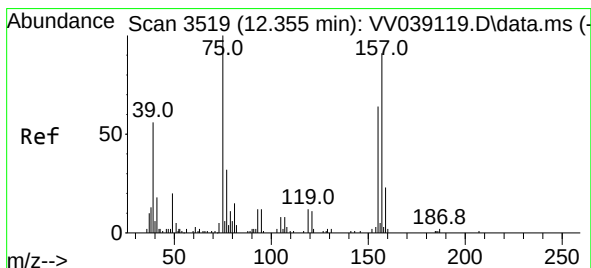
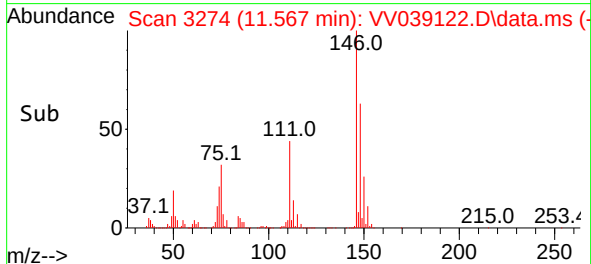
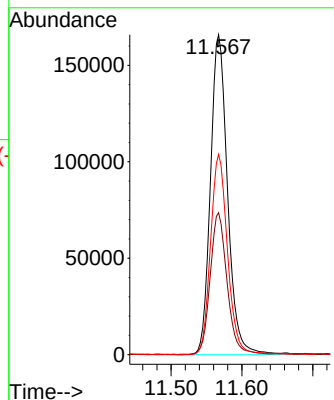
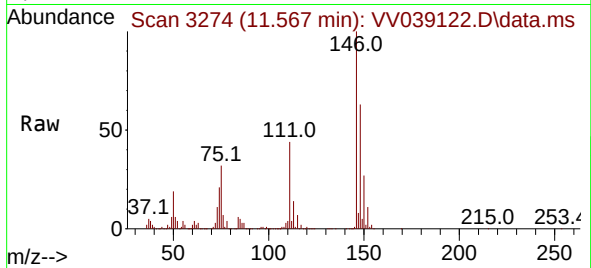




#67
1,2-Dichlorobenzene
Concen: 5.686 ug/L
RT: 11.567 min Scan# 3119
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

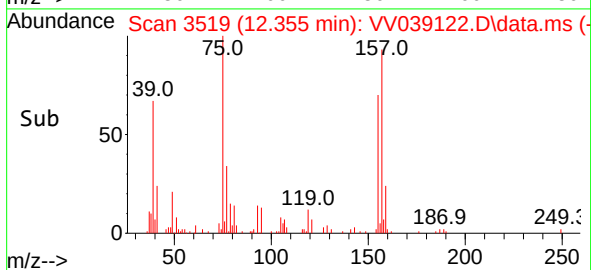
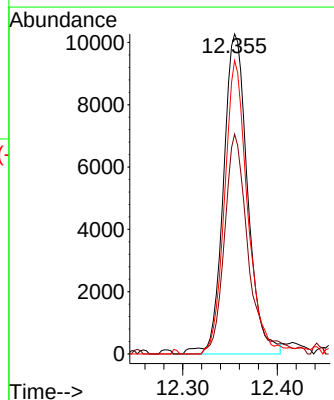
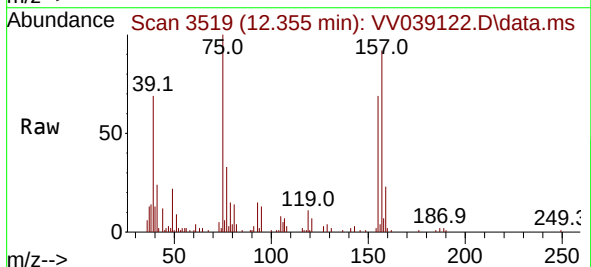
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

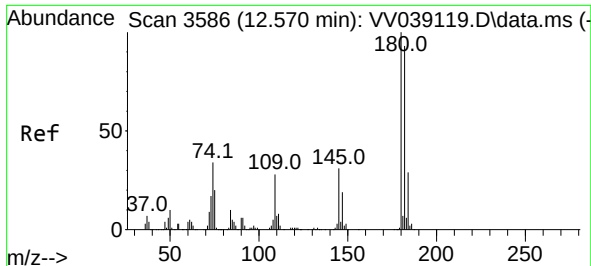
Tgt Ion:146 Resp: 278062
Ion Ratio Lower Upper
146 100
111 44.4 33.4 50.2
148 62.6 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.889 ug/L
RT: 12.355 min Scan# 3519
Delta R.T. -0.000 min
Lab File: VV039122.D
Acq: 17 Sep 2025 11:59

Tgt Ion: 75 Resp: 18276
Ion Ratio Lower Upper
75 100
155 68.7 59.4 89.0
157 91.7 76.2 114.2





#69

1,3,5-Trichlorobenzene

Concen: 5.091 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

Tgt Ion:180 Resp: 184140

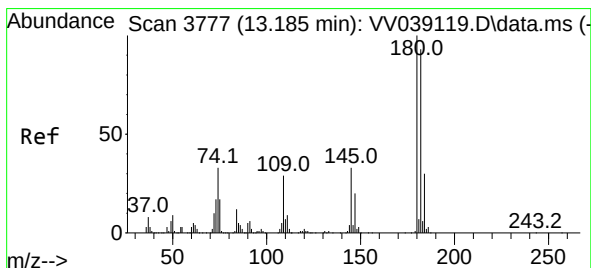
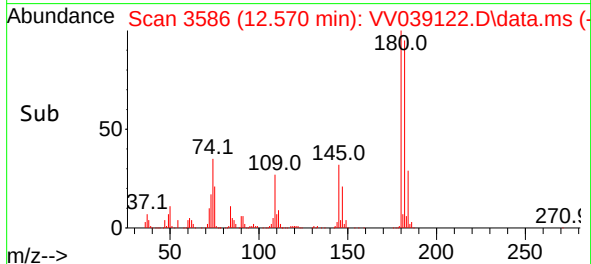
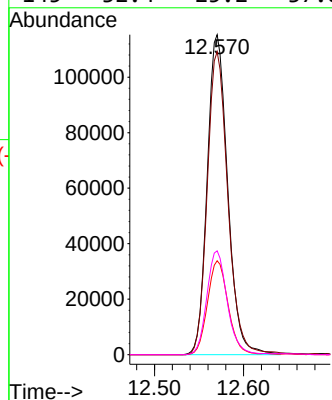
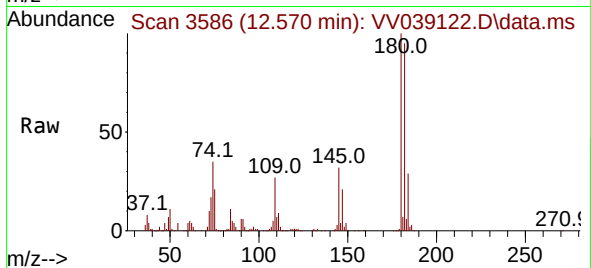
Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

184 29.5 24.0 36.0

145 32.4 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.949 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.003 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

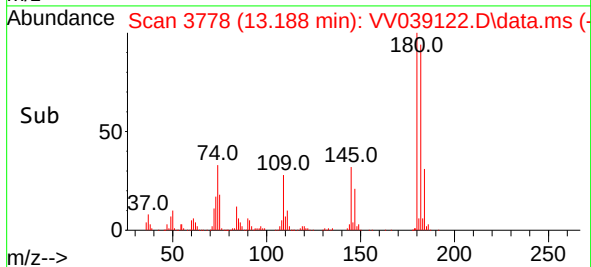
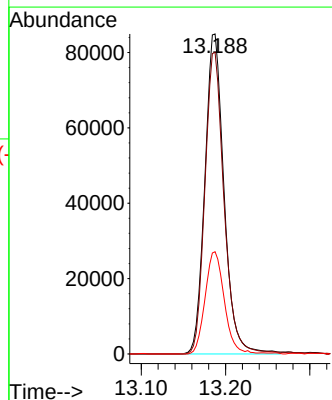
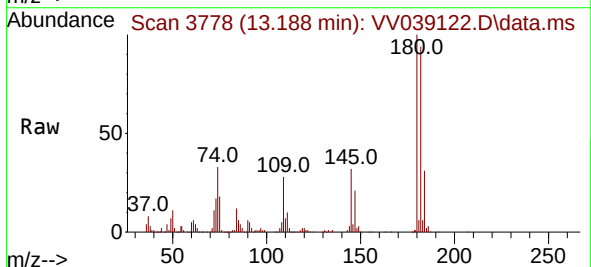
Tgt Ion:180 Resp: 134764

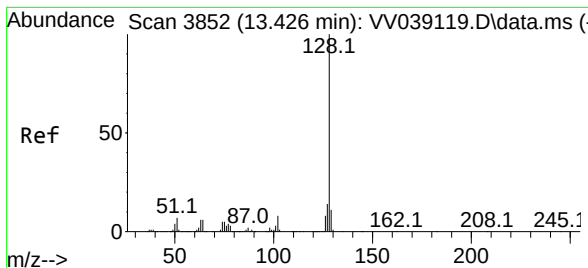
Ion Ratio Lower Upper

180 100

182 94.1 73.2 109.8

145 31.9 25.0 37.4





#71

Naphthalene

Concen: 4.947 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

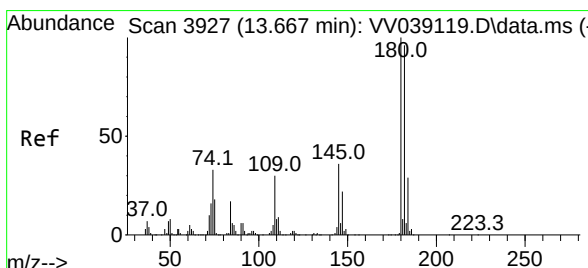
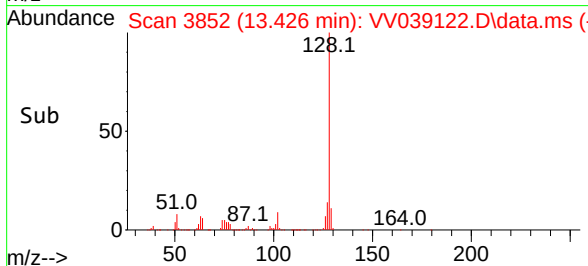
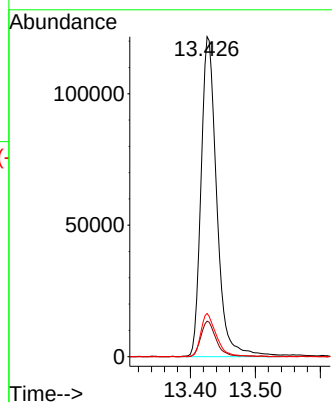
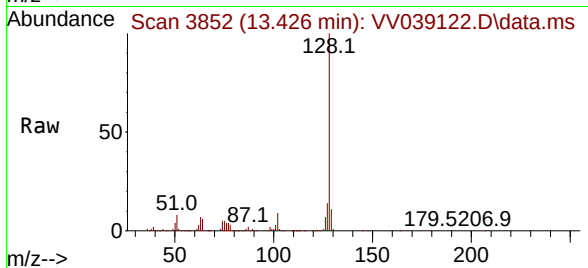
Tgt Ion:128 Resp: 205275

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.3 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.173 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV039122.D

Acq: 17 Sep 2025 11:59

Tgt Ion:180 Resp: 125587

Ion Ratio Lower Upper

180 100

182 93.3 76.6 115.0

145 33.4 27.4 41.2

