

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039385.D
 Acq On : 17 Nov 2025 11:38
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005231

Quant Time: Nov 18 01:01:37 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	5.529	114	1001566	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1025049	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	546080	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	47303	5.406	ug/L	0.00
7) Chloroethane-d5	1.545	69	36886	4.807	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	21367	5.135	ug/L	0.00
21) 2-Butanone-d5	3.828	46	11355	1.829	ug/L	0.05
24) Chloroform-d	4.259	84	79988	4.521	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	49641	4.803	ug/L	0.02
32) Benzene-d6	4.966	84	129851	4.020	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	41732	3.936	ug/L	0.00
41) Toluene-d8	7.243	98	114407	3.980	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	17706	3.754	ug/L	0.02
47) 2-Hexanone-d5	8.027	63	21166	4.974	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.140	84	68393	4.361	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	45629	4.249	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	40670	3.698	ug/L	93
3) Chloromethane	1.230	50	46591	4.155	ug/L	95
5) Vinyl chloride	1.298	62	50552	4.326	ug/L	96
6) Bromomethane	1.500	94	27972	4.759	ug/L	100
8) Chloroethane	1.564	64	34340	4.825	ug/L	94
9) Trichlorofluoromethane	1.728	101	84472	5.301	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	50463	5.305	ug/L	99
12) 1,1-Dichloroethene	2.085	96	43526	5.122	ug/L	80
13) Acetone	2.121	43	92964	19.628	ug/L	95
14) Carbon disulfide	2.253	76	124713	4.880	ug/L	99
15) Methyl Acetate	2.388	43	47955	4.268	ug/L	100
16) Methylene chloride	2.458	84	51378	5.215	ug/L	95
17) trans-1,2-Dichloroethene	2.709	96	42389	4.941	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	114523	4.426	ug/L	97
19) 1,1-Dichloroethane	3.124	63	88073	4.983	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	38529	4.188	ug/L	95
22) 2-Butanone	3.902	43	44252	6.510	ug/L	86
23) Bromochloromethane	4.166	128	25983	5.213	ug/L	99
25) Chloroform	4.281	83	99957	5.664	ug/L	97
27) 1,2-Dichloroethane	5.050	62	65525	4.923	ug/L	96
29) Cyclohexane	4.580	56	54741	3.857	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	82748	5.497	ug/L	98
31) Carbon tetrachloride	4.738	117	76210	5.759	ug/L	100
33) Benzene	5.014	78	164196	4.624	ug/L	100
34) Trichloroethene	5.841	95	44852	4.740	ug/L	97
35) Methylcyclohexane	6.047	83	58968	4.034	ug/L	96
37) 1,2-Dichloropropane	6.191	63	443	0.043	ug/L	98
38) Bromodichloromethane	6.432	83	70888	5.284	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	65854	4.470	ug/L	96
40) 4-Methyl-2-pentanone	7.153	43	100374	7.348	ug/L	95
42) Toluene	7.313	91	161817	4.397	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	59520	4.166	ug/L	98

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 ALS Vial : 2 Sample Multiplier: 1

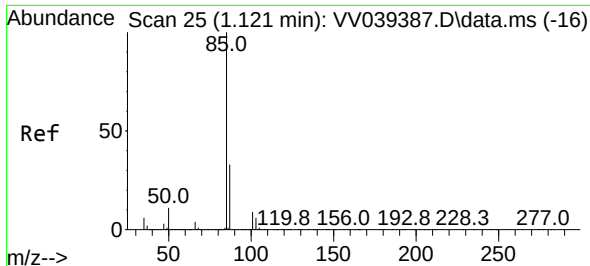
Instrument :
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Quant Time: Nov 18 01:01:37 2025
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.764	97	52616	5.200	ug/L	97
46) Tetrachloroethene	7.899	164	43015	5.927	ug/L	94
48) 2-Hexanone	8.072	43	69354	6.841	ug/L	95
49) Dibromochloromethane	8.169	129	59412	5.678	ug/L	94
50) 1,2-Dibromoethane	8.278	107	56674	5.437	ug/L #	93
51) Chlorobenzene	8.805	112	135101	5.391	ug/L	98
52) Ethylbenzene	8.937	91	172194	4.332	ug/L	98
53) m,p-Xylene	9.066	106	63003	4.296	ug/L	95
54) o-Xylene	9.468	106	60521	4.267	ug/L	100
55) Styrene	9.490	104	101904	4.127	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.165	83	86612	5.228	ug/L	96
59) Bromoform	9.657	173	50129	6.412	ug/L	98
60) Isopropylbenzene	9.857	105	157383	4.130	ug/L	98
61) 1,2,3-Trichloropropane	10.198	75	63072	4.868	ug/L	97
62) 1,3,5-Trimethylbenzene	10.464	105	115545	3.887	ug/L	96
63) 1,2,4-Trimethylbenzene	10.841	105	111355	3.807	ug/L	98
64) 1,3-Dichlorobenzene	11.111	146	97073	5.203	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	112134	5.589	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	101329	5.377	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	17171	4.645	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180	66467	5.283	ug/L	95
70) 1,2,4-trichlorobenzene	13.188	180	54212	5.038	ug/L	99
71) Naphthalene	13.429	128	128095	3.505	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	54148	4.822	ug/L	99

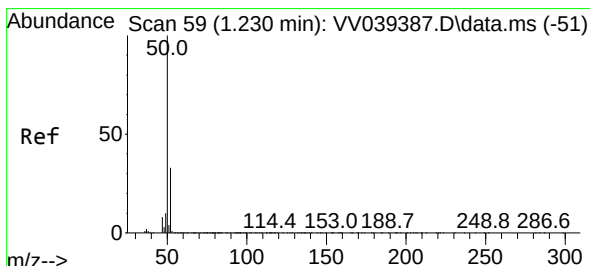
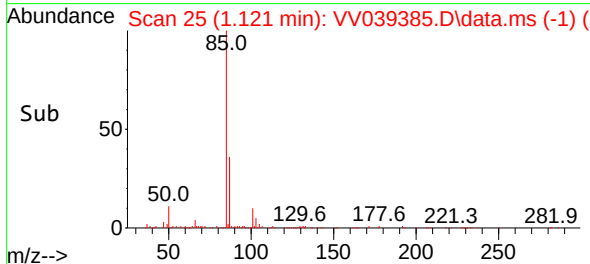
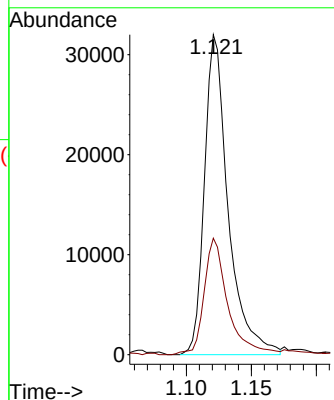
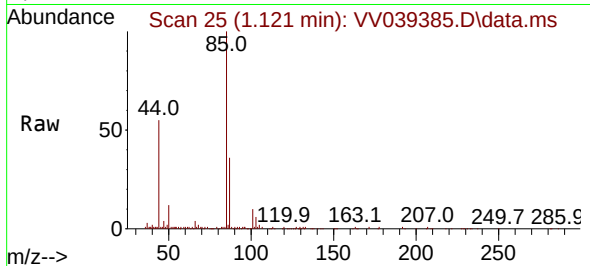
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.698 ug/L
 RT: 1.121 min Scan# 25
 Delta R.T. 0.000 min
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 Acq: 17 Nov 2025 11:38

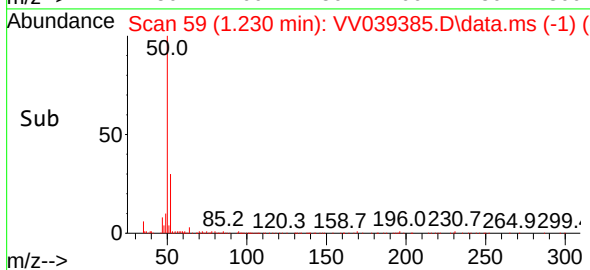
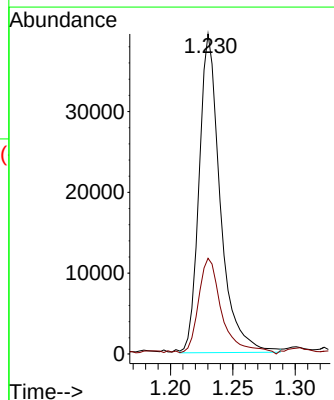
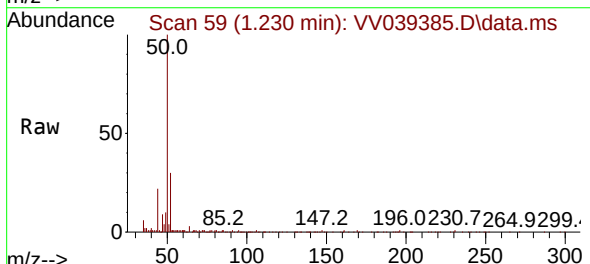
Instrument :
 MSVOA_V
 ClientSampleId :
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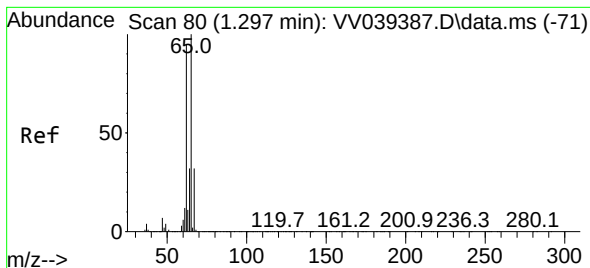
Tgt Ion: 85 Resp: 40670
 Ion Ratio Lower Upper
 85 100
 87 36.4 26.1 39.1



#3
 Chloromethane
 Concen: 4.155 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VV039385.D
 Acq: 17 Nov 2025 11:38

Tgt Ion: 50 Resp: 46591
 Ion Ratio Lower Upper
 50 100
 52 29.9 22.7 42.3

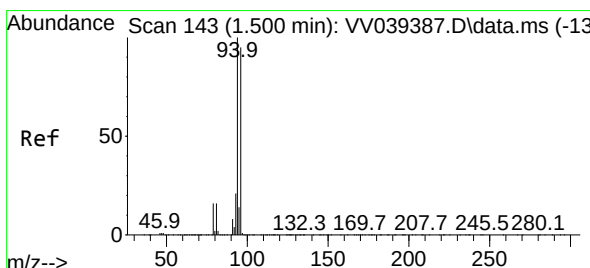
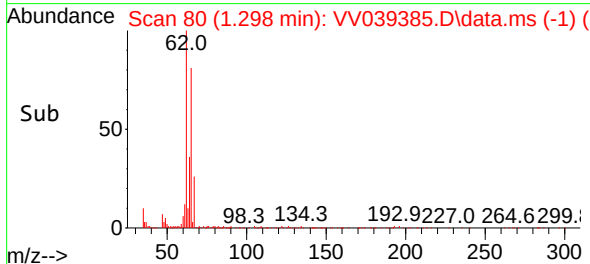
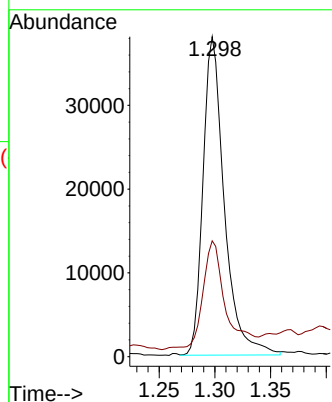
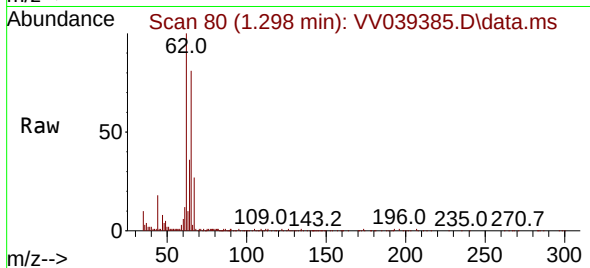




#5
 Vinyl chloride
 Concen: 4.326 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV039385.D
 Acq: 17 Nov 2025 11:38

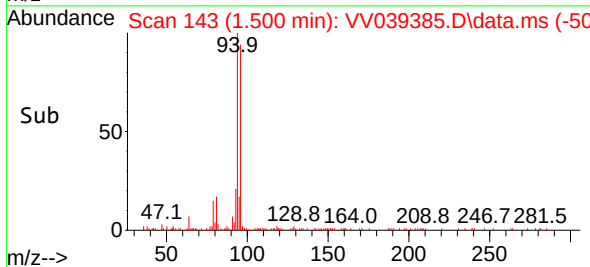
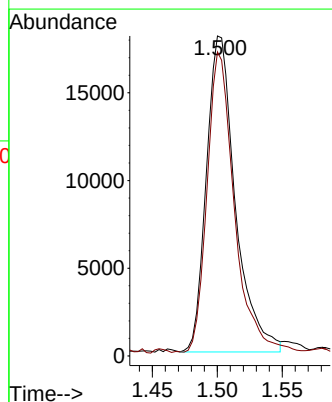
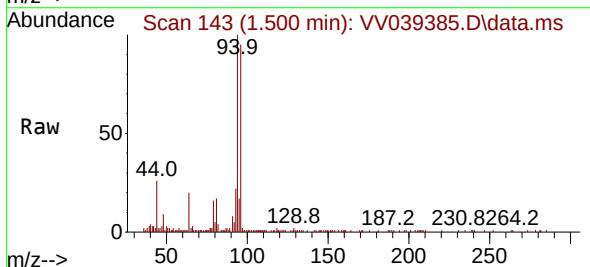
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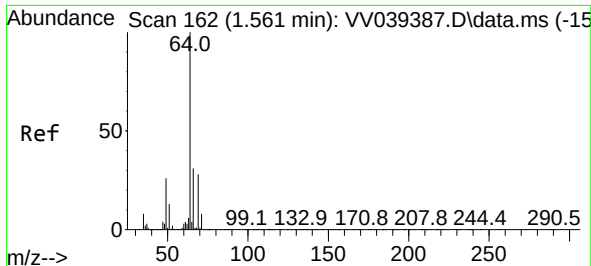
Tgt Ion: 62 Resp: 50552
 Ion Ratio Lower Upper
 62 100
 64 36.2 23.7 44.1



#6
 Bromomethane
 Concen: 4.759 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VV039385.D
 Acq: 17 Nov 2025 11:38

Tgt Ion: 94 Resp: 27972
 Ion Ratio Lower Upper
 94 100
 96 95.0 66.6 123.8

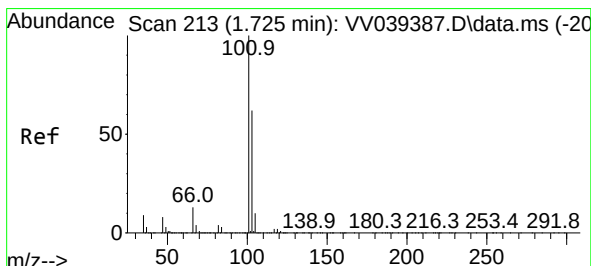
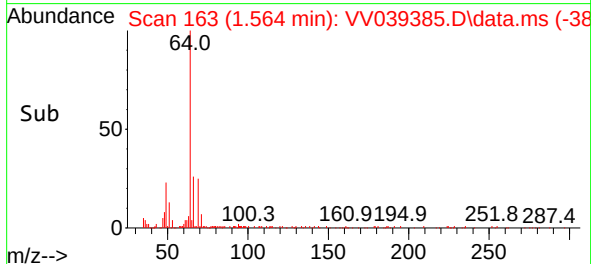
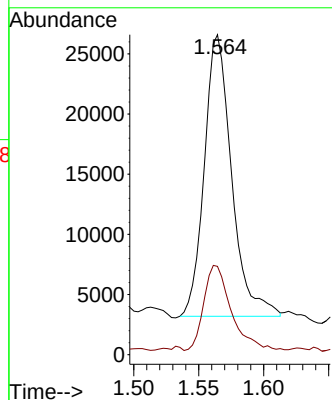
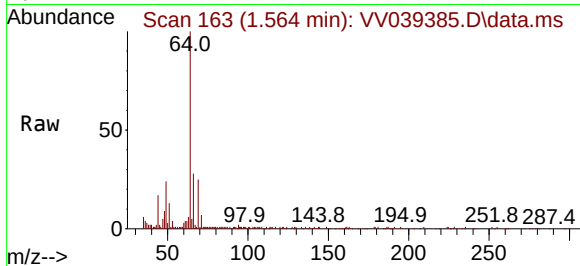




#8
Chloroethane
Concen: 4.825 ug/L
RT: 1.564 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

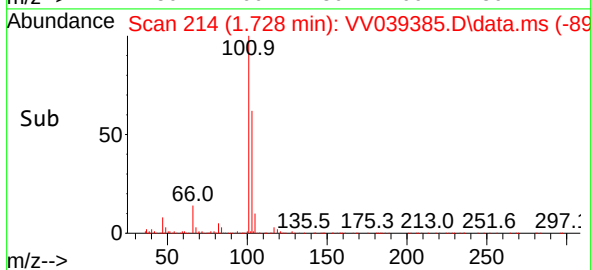
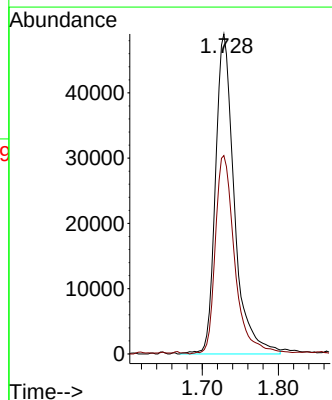
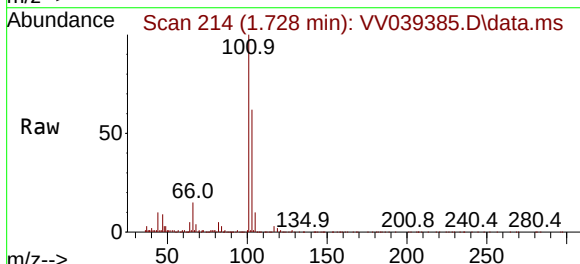
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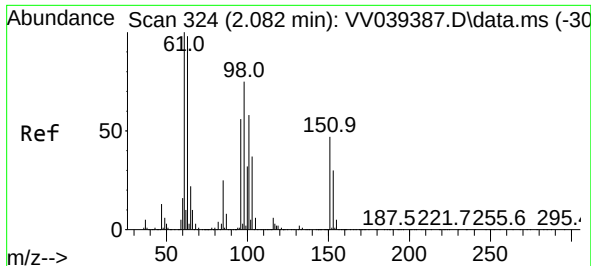
Tgt Ion: 64 Resp: 34340
Ion Ratio Lower Upper
64 100
66 27.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.301 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 101 Resp: 84472
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6

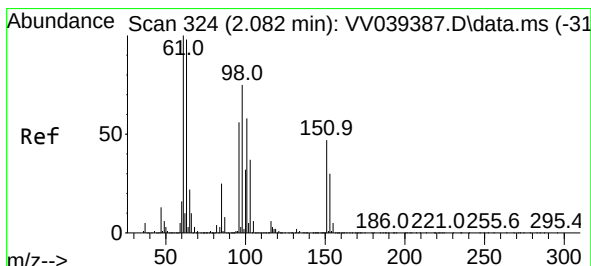
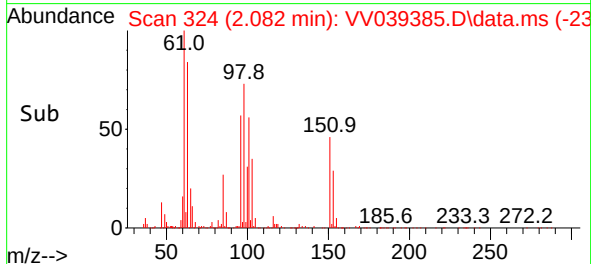
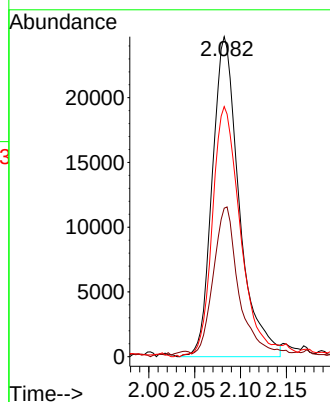
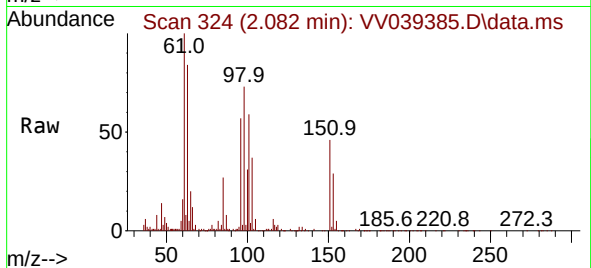




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.305 ug/L
 RT: 2.082 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV039385.D
 Acq: 17 Nov 2025 11:38

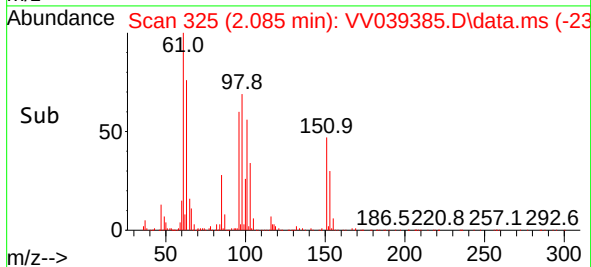
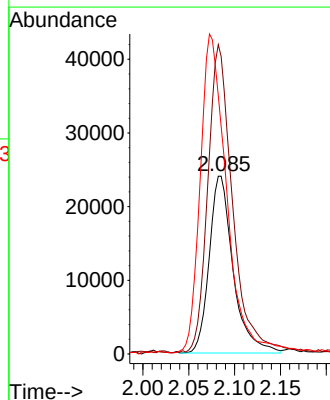
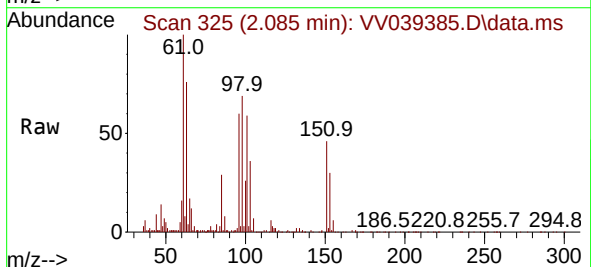
Instrument :
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 ClientSampleId :
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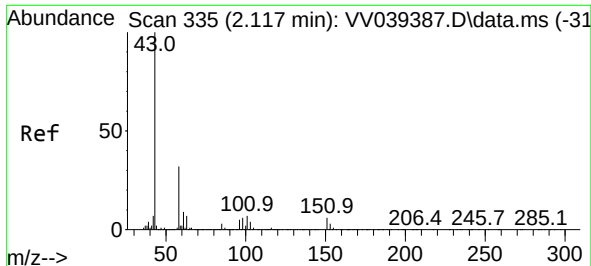
Tgt Ion:101 Resp: 50463
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.7 50.5
 151 80.4 63.6 95.4



#12
 1,1-Dichloroethene
 Concen: 5.122 ug/L
 RT: 2.085 min Scan# 325
 Delta R.T. 0.003 min
 Lab File: VV039385.D
 Acq: 17 Nov 2025 11:38

Tgt Ion: 96 Resp: 43526
 Ion Ratio Lower Upper
 96 100
 61 167.3 124.3 230.8
 63 127.9 121.8 226.2

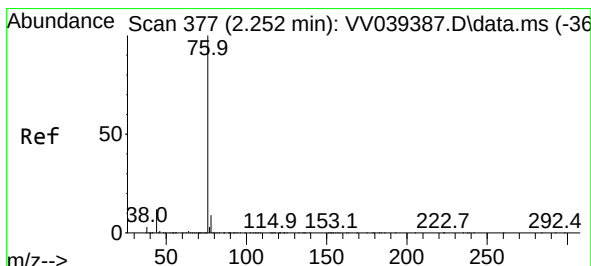
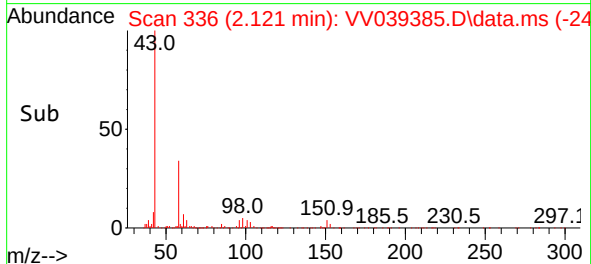
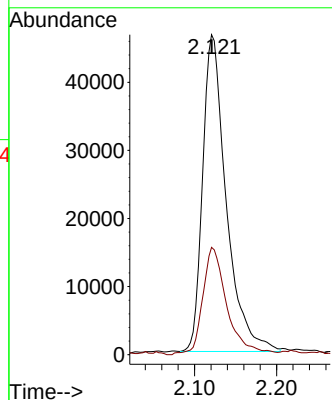
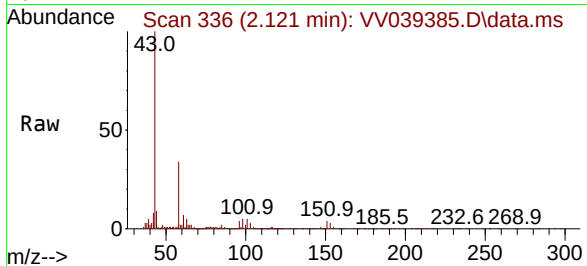




#13
Acetone
Concen: 19.628 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

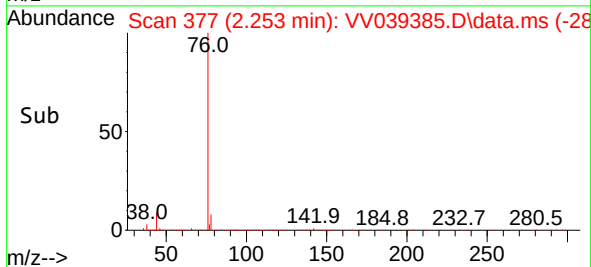
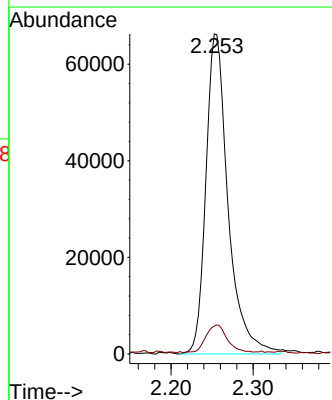
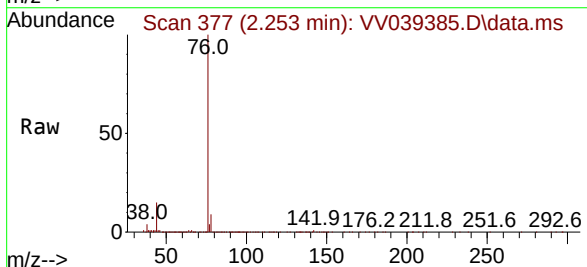
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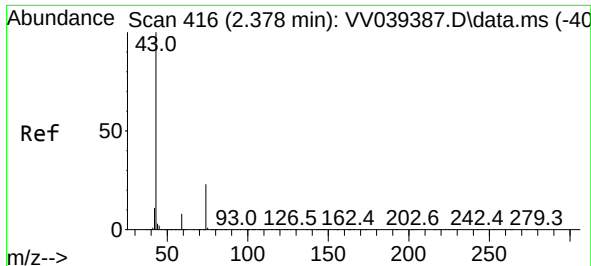
Tgt Ion: 43 Resp: 92964
Ion Ratio Lower Upper
43 100
58 34.3 0.0 63.2



#14
Carbon disulfide
Concen: 4.880 ug/L
RT: 2.253 min Scan# 377
Delta R.T. 0.000 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 76 Resp: 124713
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

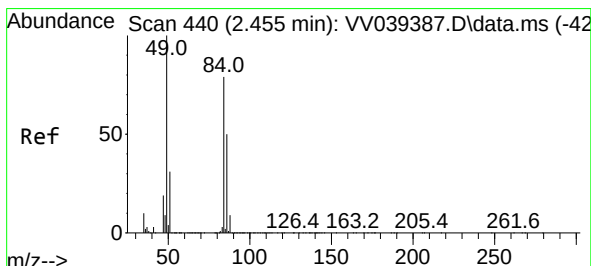
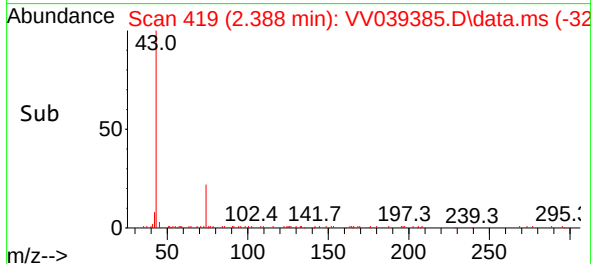
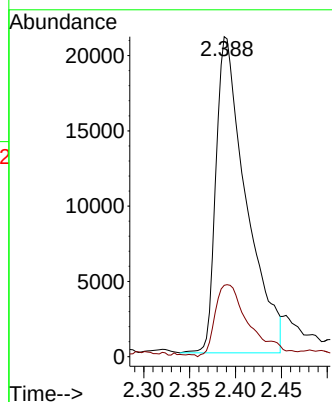
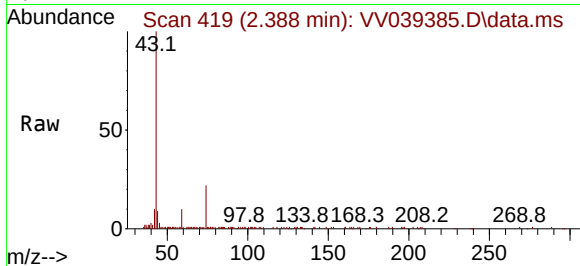




#15
Methyl Acetate
Concen: 4.268 ug/L
RT: 2.388 min Scan# 416
Delta R.T. 0.010 min
Lab File: VV039385.D
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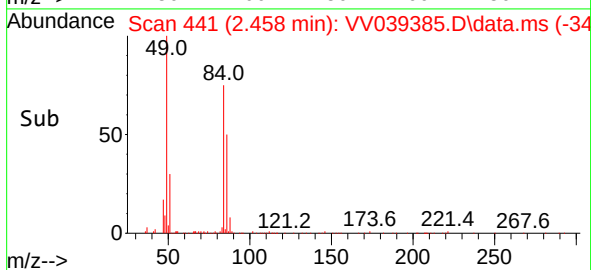
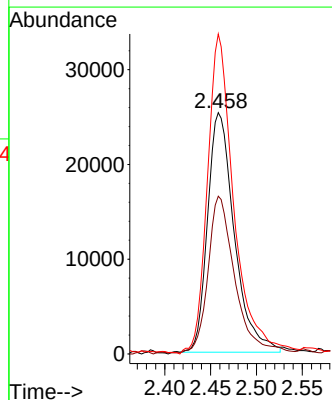
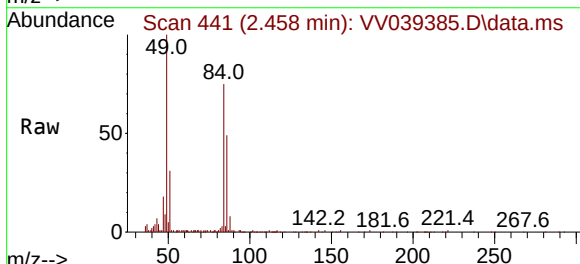
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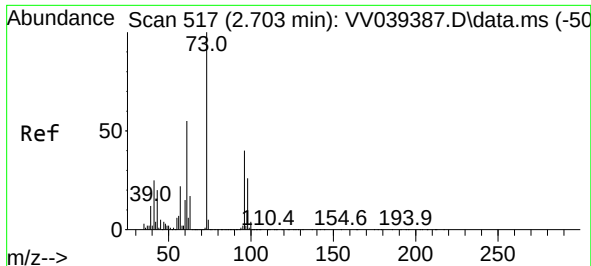
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Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 5.215 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 84 Resp: 51378
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.5
49 132.7 88.2 163.8

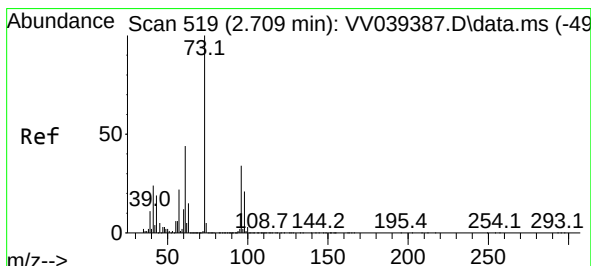
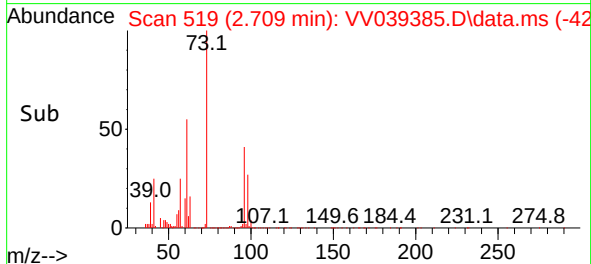
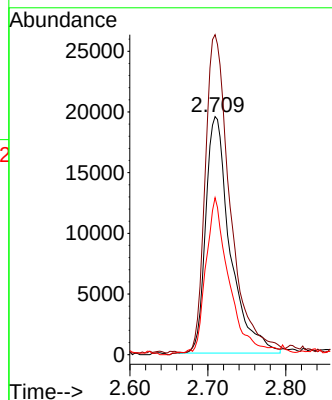
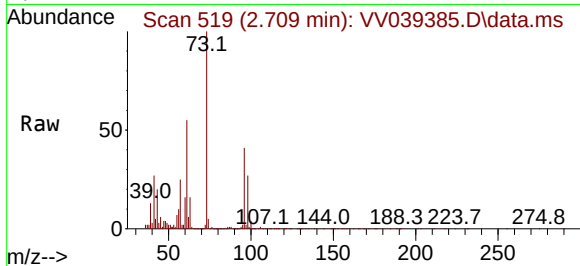




#17
trans-1,2-Dichloroethene
Concen: 4.941 ug/L
RT: 2.709 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

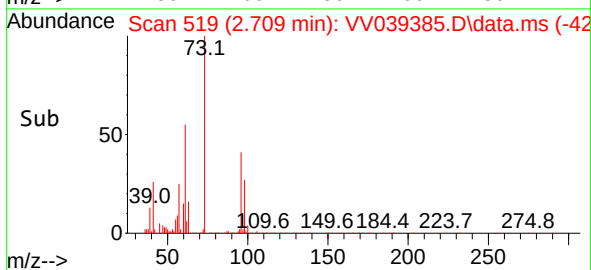
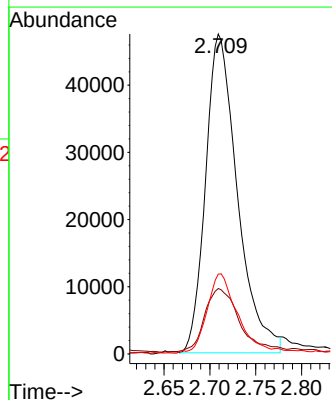
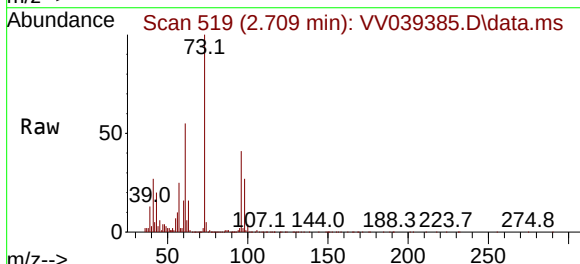
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

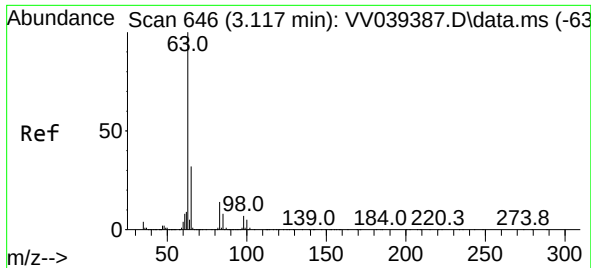
Tgt Ion: 96 Resp: 42389
Ion Ratio Lower Upper
96 100
61 134.4 96.1 178.5
98 65.9 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 4.426 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 73 Resp: 114523
Ion Ratio Lower Upper
73 100
43 21.2 15.4 23.2
57 22.8 17.6 26.4

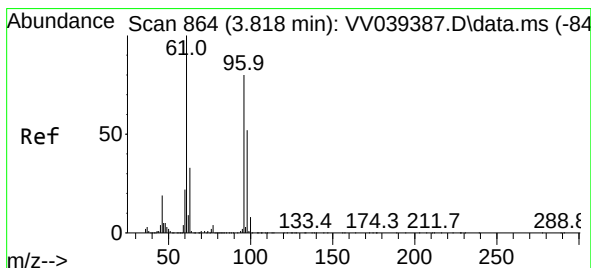
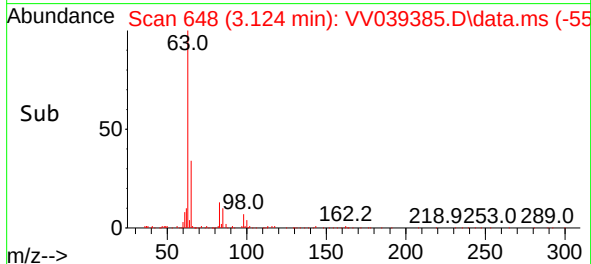
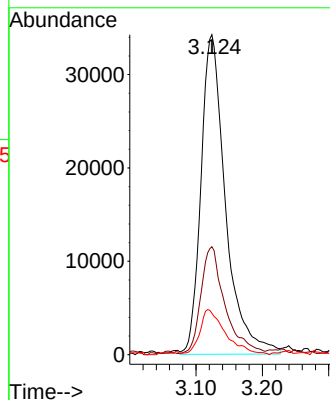
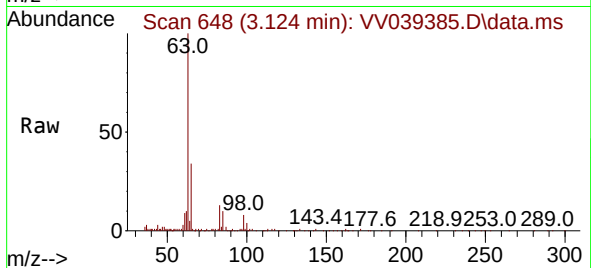




#19
1,1-Dichloroethane
Concen: 4.983 ug/L
RT: 3.124 min Scan# 646
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

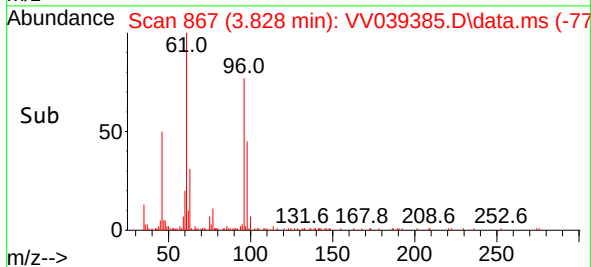
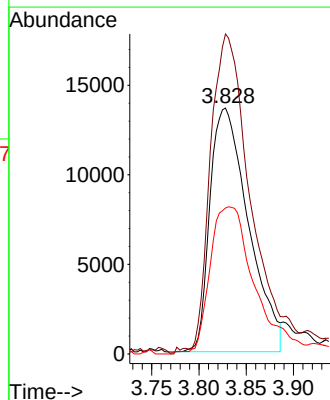
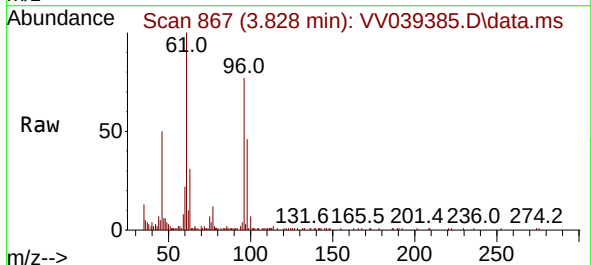
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

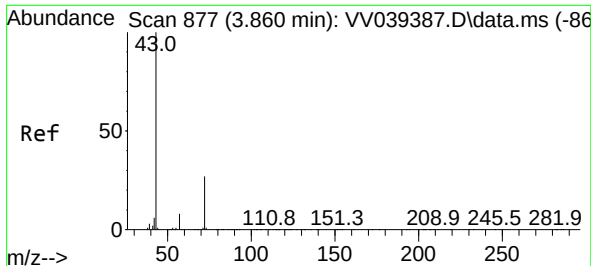
Tgt Ion: 63	Resp: 88073
Ion Ratio	Lower Upper
63 100	
65 33.8	22.4 41.6
83 13.0	9.6 17.8



#20
cis-1,2-Dichloroethene
Concen: 4.188 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.010 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 96	Resp: 38529
Ion Ratio	Lower Upper
96 100	
61 130.1	87.3 162.1
98 59.3	45.1 83.7

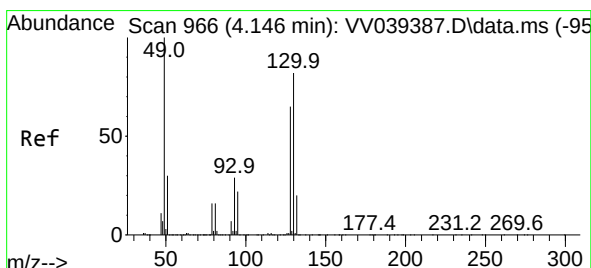
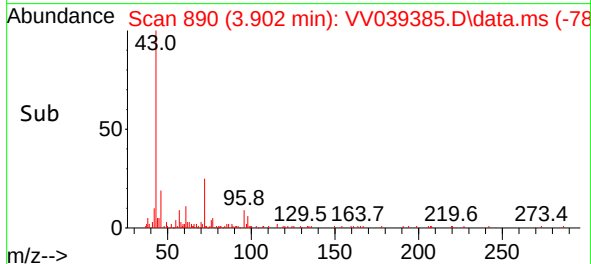
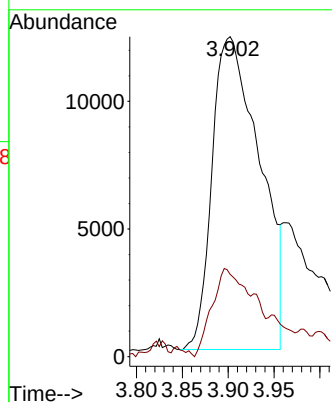
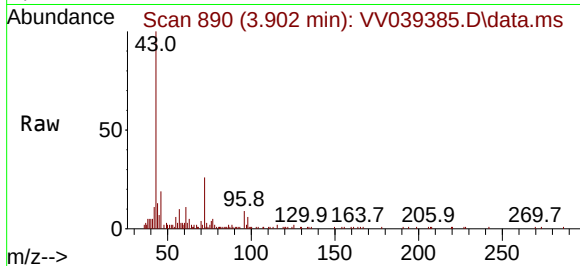




#22
2-Butanone
Concen: 6.510 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.042 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

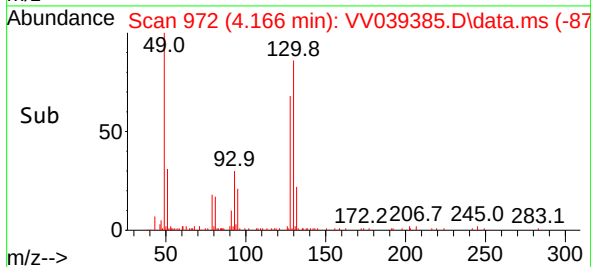
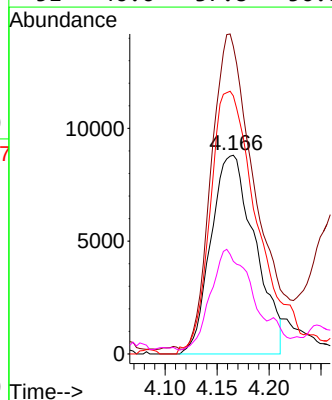
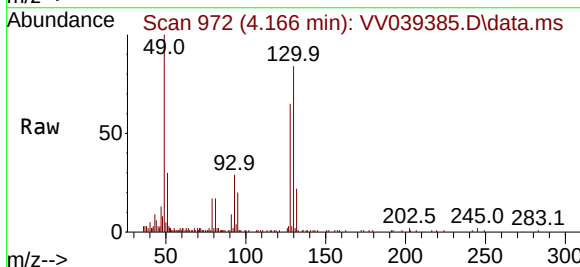
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

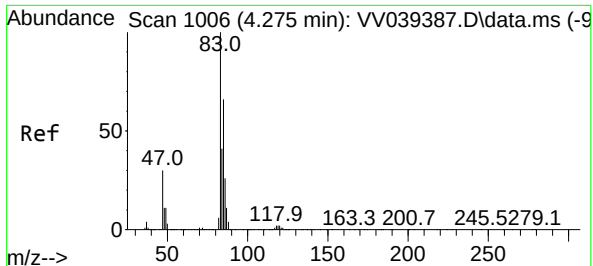
Tgt Ion: 43 Resp: 44252
Ion Ratio Lower Upper
43 100
72 19.4 13.3 39.9



#23
Bromochloromethane
Concen: 5.213 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.019 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 128 Resp: 25983
Ion Ratio Lower Upper
128 100
49 154.8 108.6 201.6
130 129.8 89.2 165.6
51 46.6 37.8 56.8





#25

Chloroform

Concen: 5.664 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

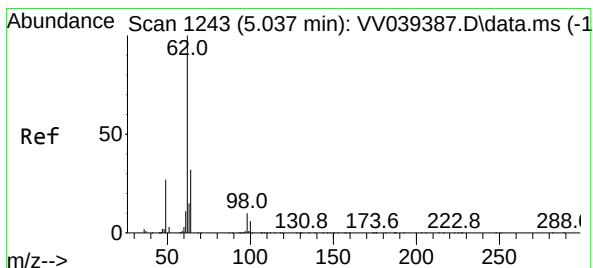
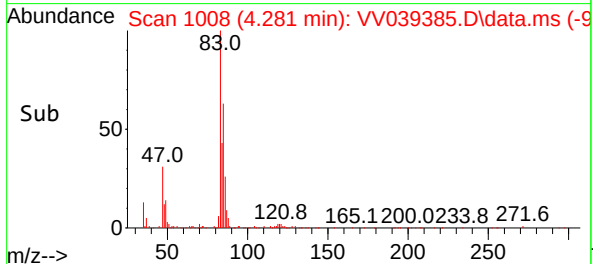
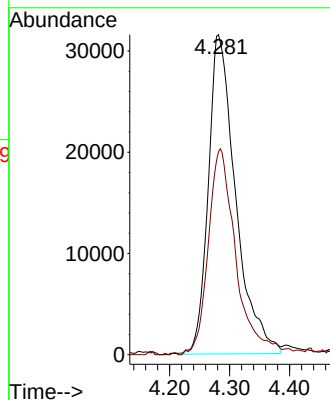
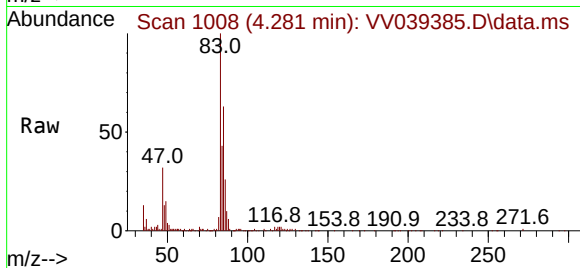
VSTD005231

Tgt Ion: 83 Resp: 99957

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 4.923 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VV039385.D

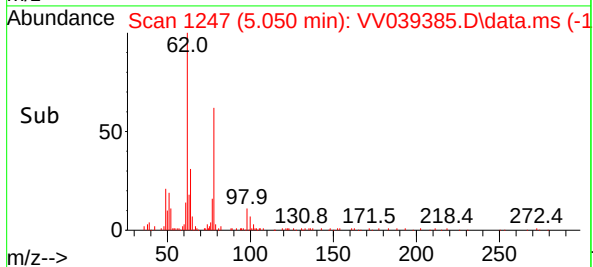
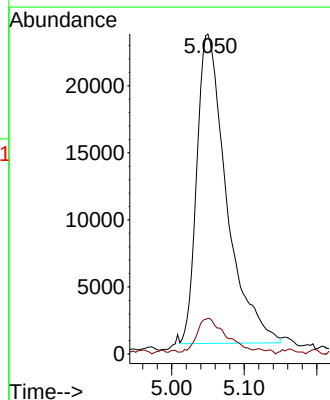
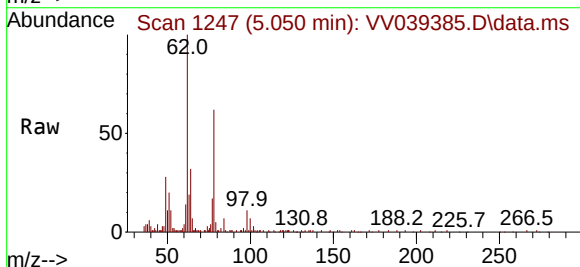
Acq: 17 Nov 2025 11:38

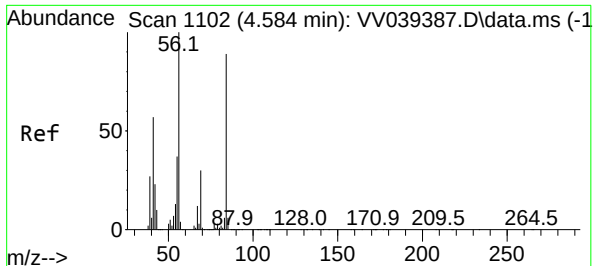
Tgt Ion: 62 Resp: 65525

Ion Ratio Lower Upper

62 100

98 11.1 7.7 11.5





#29

Cyclohexane

Concen: 3.857 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

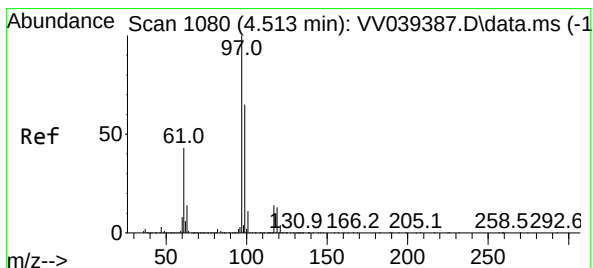
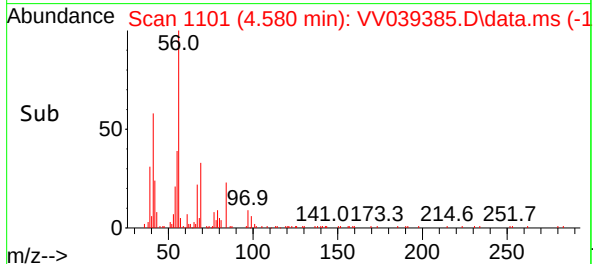
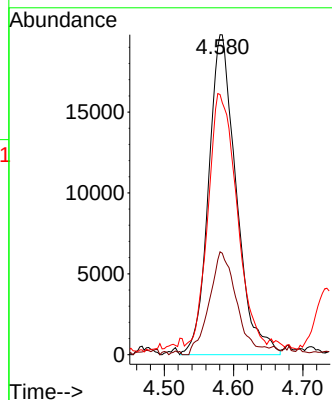
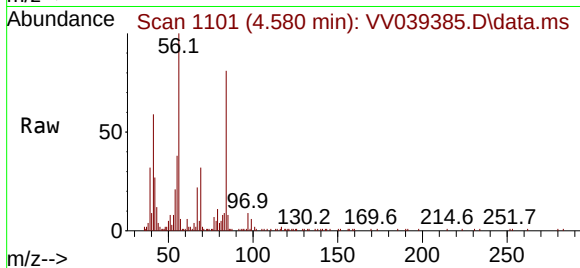
Tgt Ion: 56 Resp: 54741

Ion Ratio Lower Upper

56 100

69 31.4 24.1 36.1

84 81.2 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 5.497 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

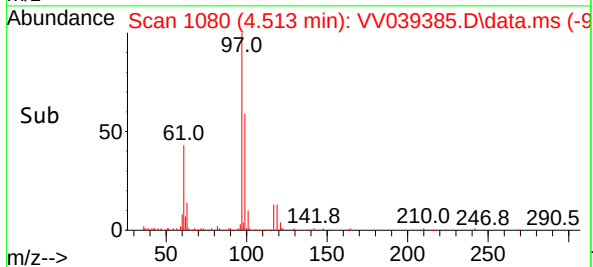
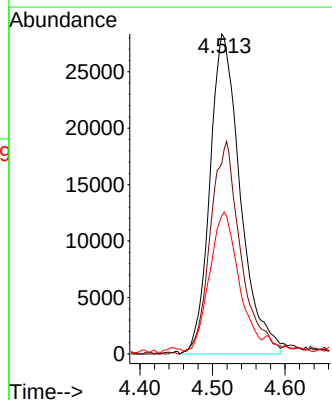
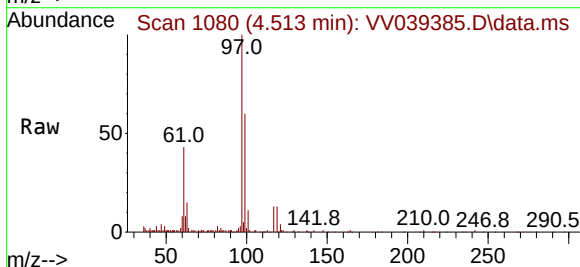
Tgt Ion: 97 Resp: 82748

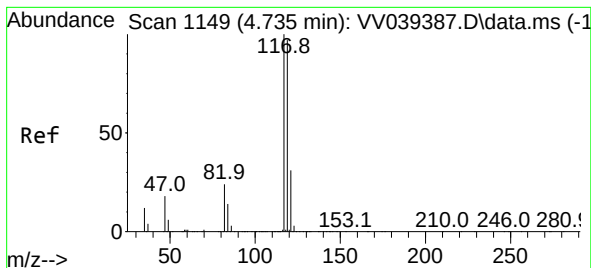
Ion Ratio Lower Upper

97 100

99 66.1 51.6 77.4

61 41.1 34.5 51.7





#31

Carbon tetrachloride

Concen: 5.759 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

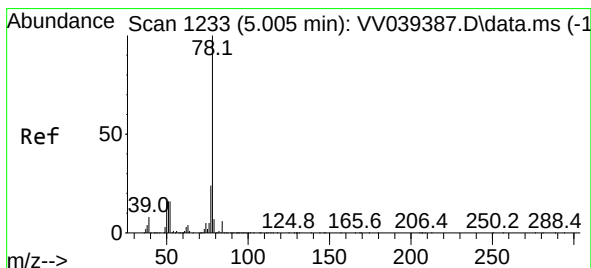
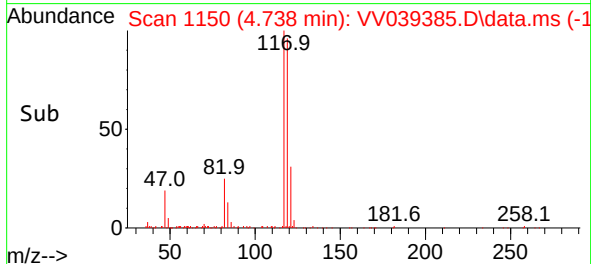
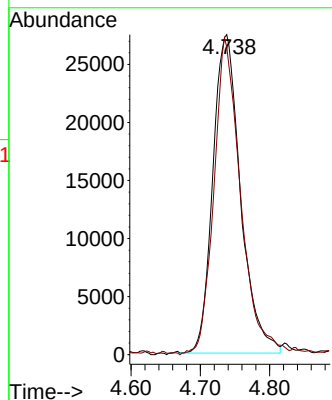
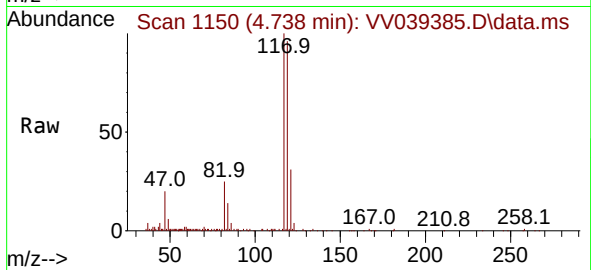
VSTD005231

Tgt Ion:117 Resp: 76210

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



#33

Benzene

Concen: 4.624 ug/L

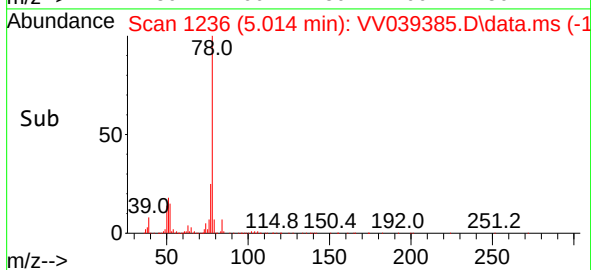
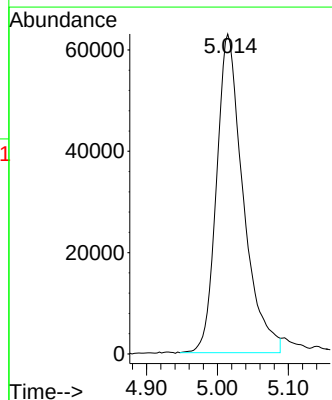
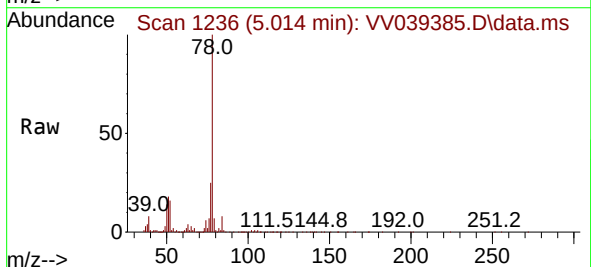
RT: 5.014 min Scan# 1236

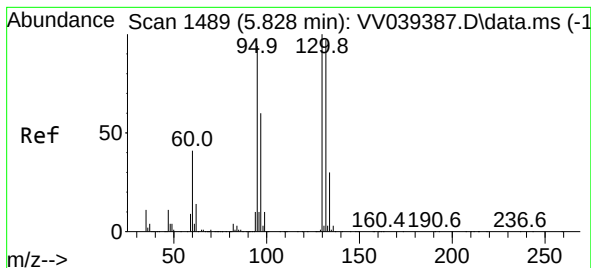
Delta R.T. 0.010 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Tgt Ion: 78 Resp: 164196





#34

Trichloroethene

Concen: 4.740 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

Tgt Ion: 95 Resp: 44852

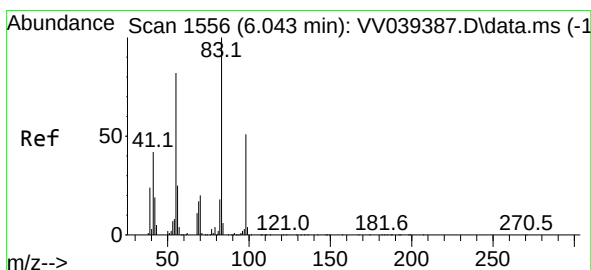
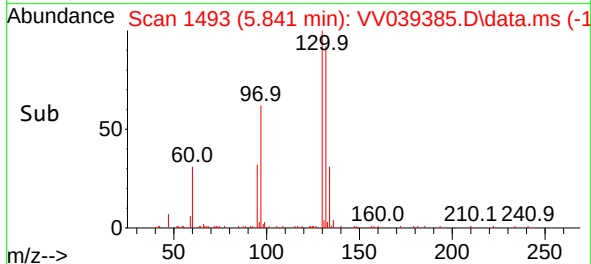
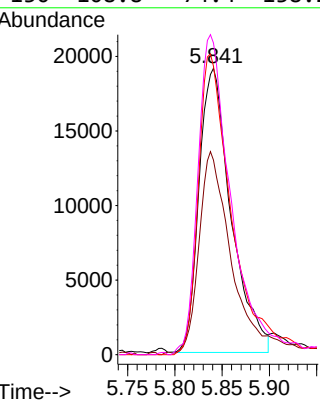
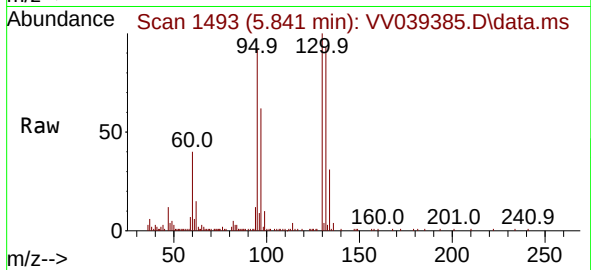
Ion Ratio Lower Upper

95 100

97 67.9 44.4 82.5

132 100.7 71.9 133.5

130 108.8 74.4 138.2



#35

Methylcyclohexane

Concen: 4.034 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

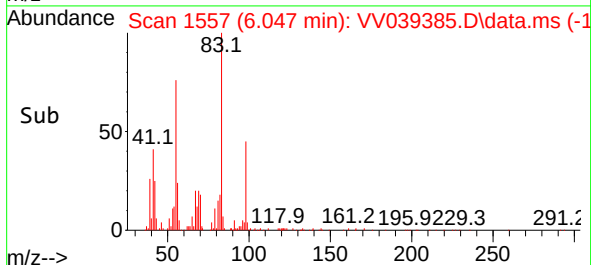
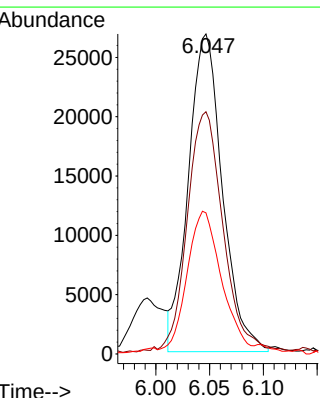
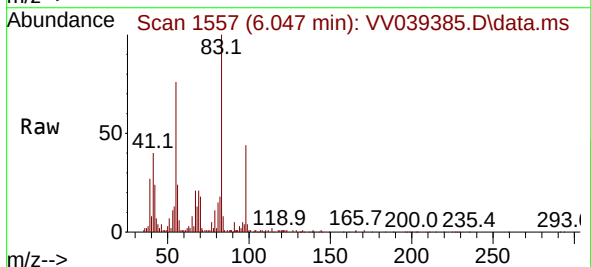
Tgt Ion: 83 Resp: 58968

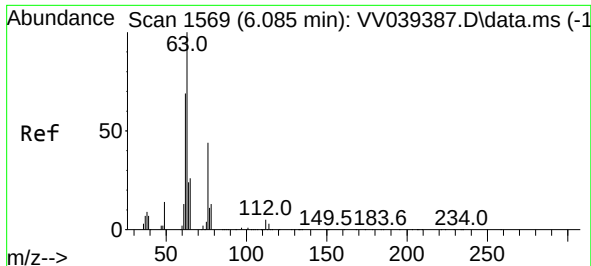
Ion Ratio Lower Upper

83 100

55 81.7 62.5 93.7

98 46.2 39.2 58.8





#37

1,2-Dichloropropane

Concen: 0.043 ug/L

RT: 6.191 min Scan# 1

Delta R.T. 0.106 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

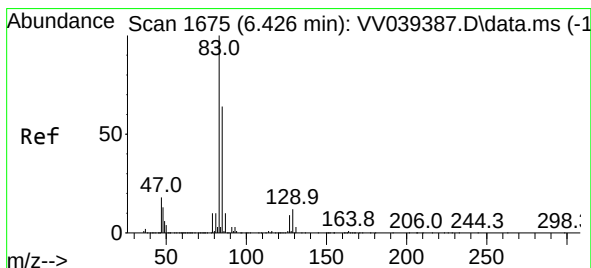
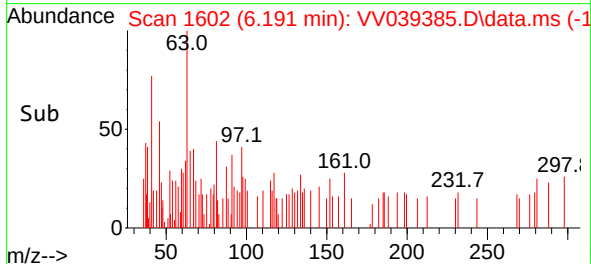
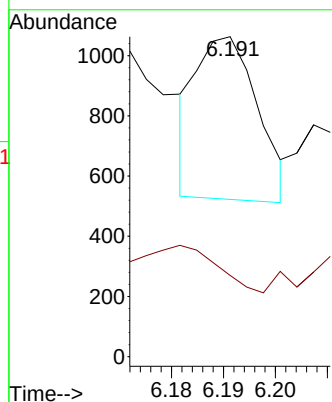
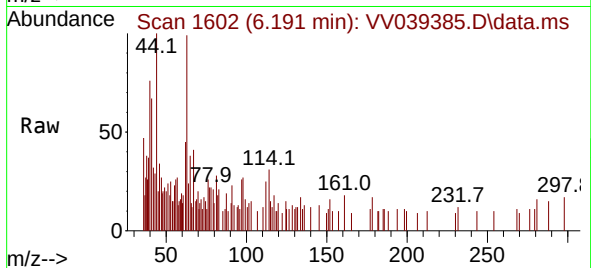
VSTD005231

Tgt Ion: 63 Resp: 443

Ion Ratio Lower Upper

63 100

112 3.8 3.7 5.5



#38

Bromodichloromethane

Concen: 5.284 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

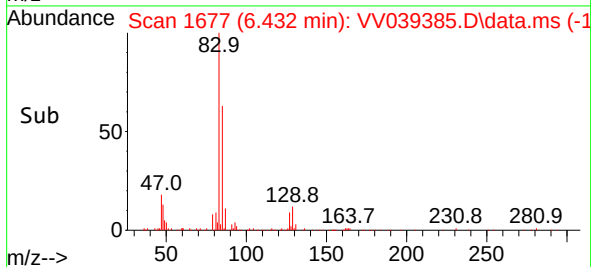
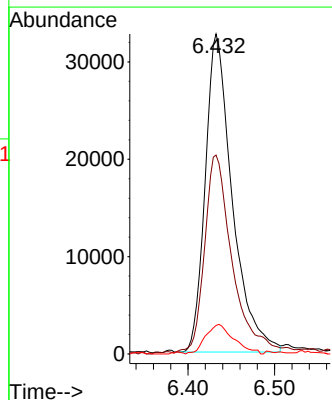
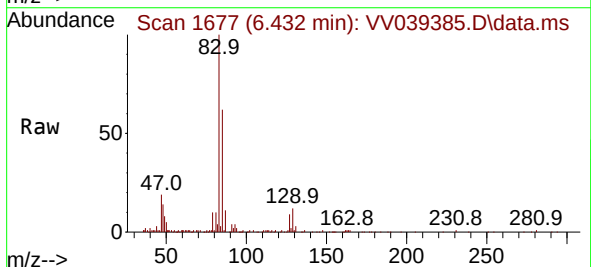
Tgt Ion: 83 Resp: 70888

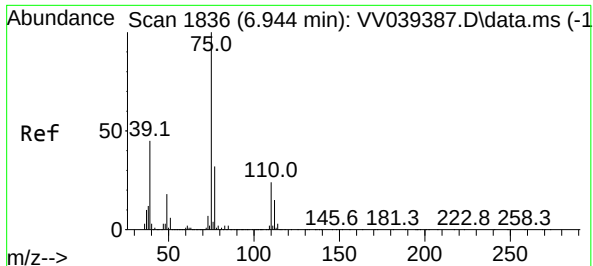
Ion Ratio Lower Upper

83 100

85 62.2 44.9 83.5

127 8.9 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 4.470 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

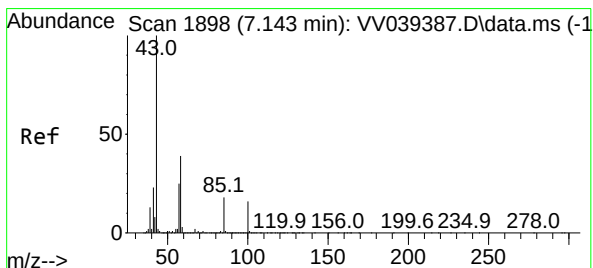
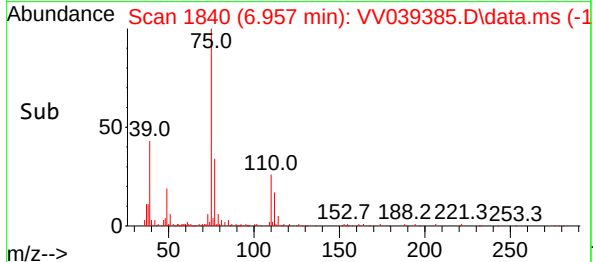
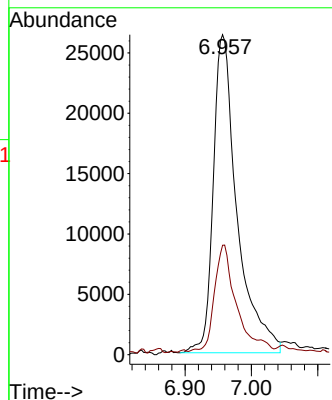
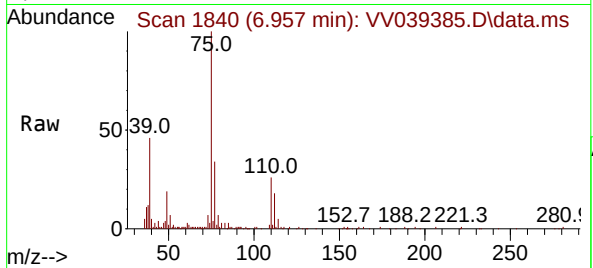
VSTD005231

Tgt Ion: 75 Resp: 65854

Ion Ratio Lower Upper

75 100

77 34.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 7.348 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.010 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

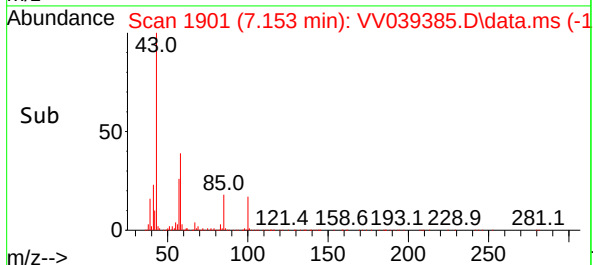
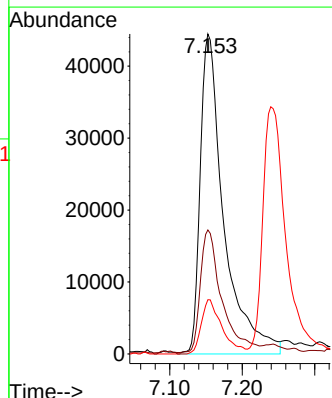
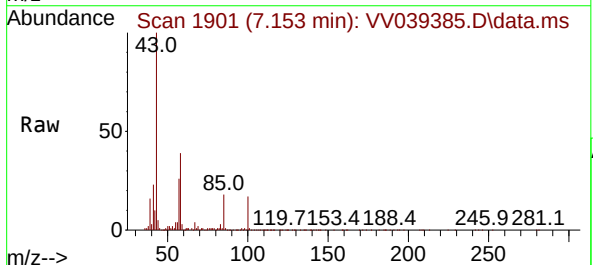
Tgt Ion: 43 Resp: 100374

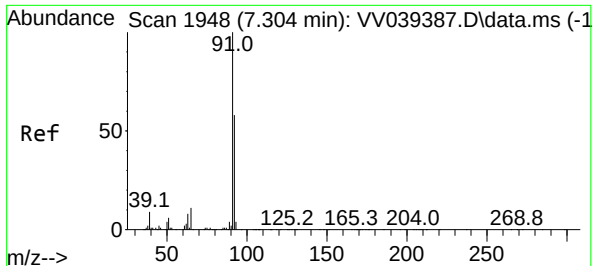
Ion Ratio Lower Upper

43 100

58 34.7 30.8 46.2

100 15.0 12.5 18.7





#42

Toluene

Concen: 4.397 ug/L

RT: 7.313 min Scan# 1948

Delta R.T. 0.010 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

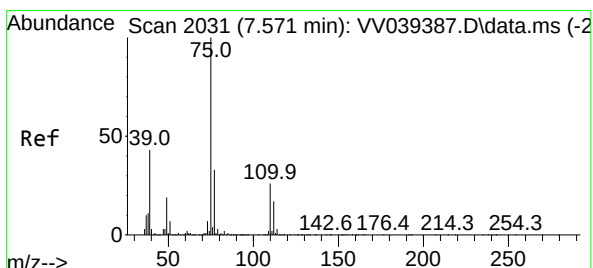
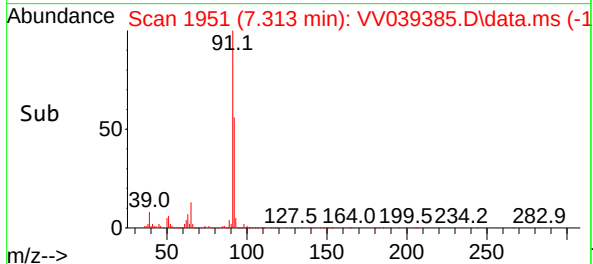
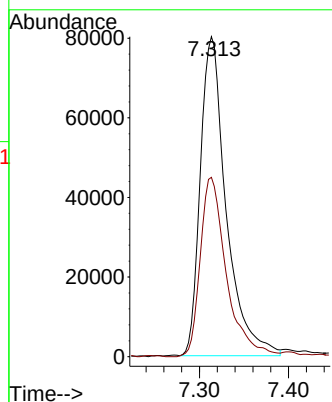
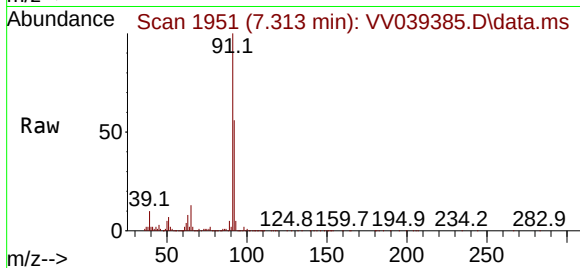
VSTD005231

Tgt Ion: 91 Resp: 161817

Ion Ratio Lower Upper

91 100

92 56.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.166 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.013 min

Lab File: VV039385.D

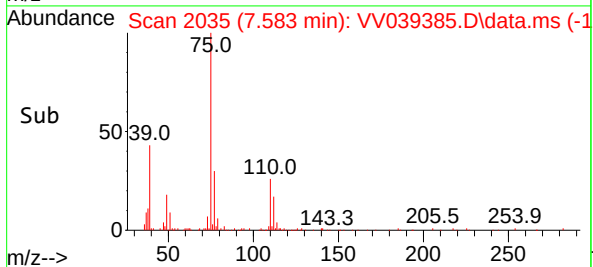
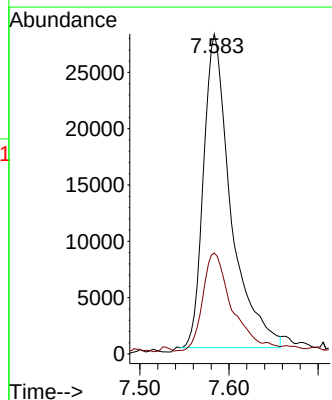
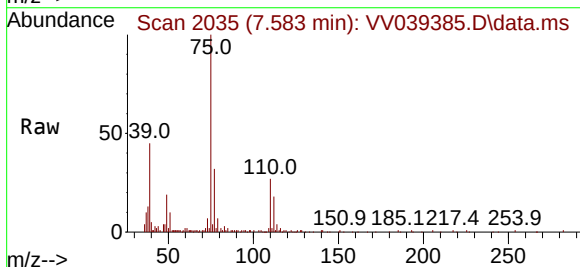
Acq: 17 Nov 2025 11:38

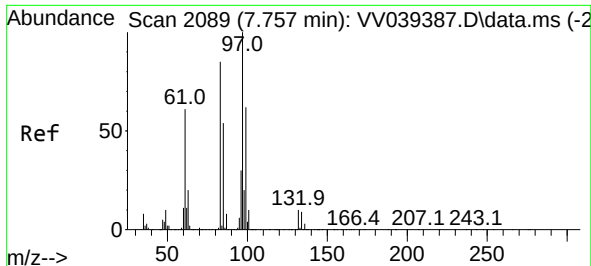
Tgt Ion: 75 Resp: 59520

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.6

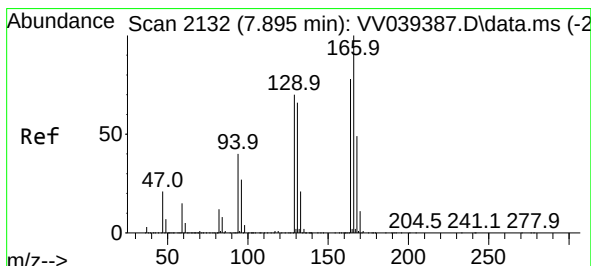
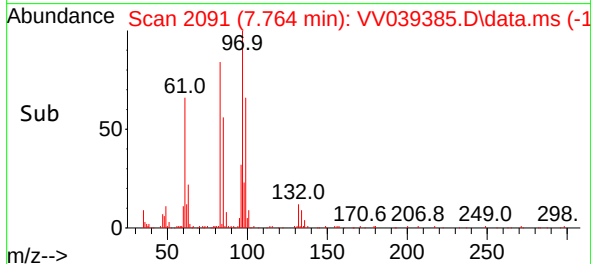
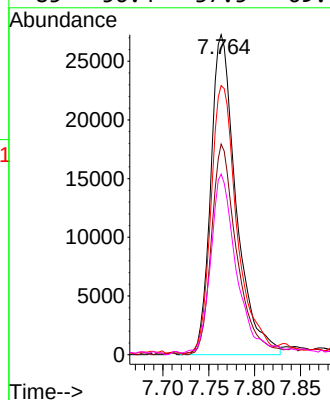
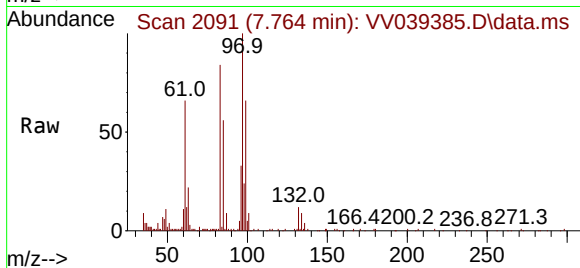




#45
1,1,2-Trichloroethane
Concen: 5.200 ug/L
RT: 7.764 min Scan# 2089
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

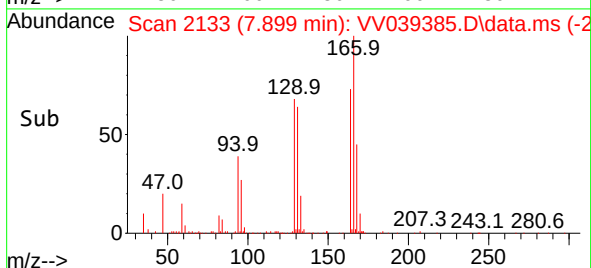
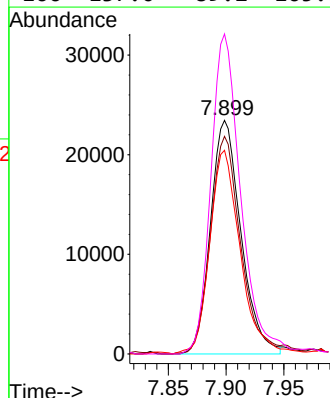
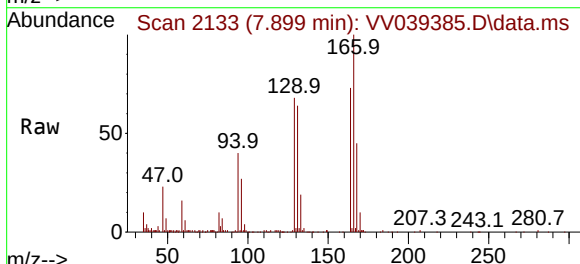
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

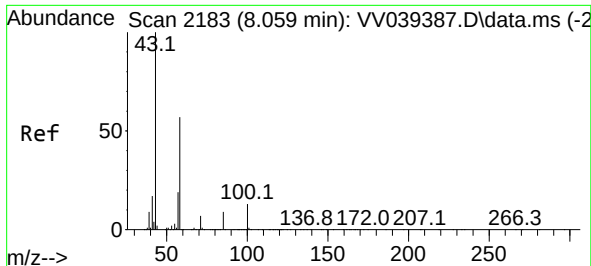
Tgt Ion: 97	Resp: 52616
Ion Ratio	Lower Upper
97 100	
99 65.8	43.7 81.1
83 84.1	59.1 109.9
85 56.4	37.5 69.7



#46
Tetrachloroethene
Concen: 5.927 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt	Ion:164	Resp:	43015
Ion	Ratio	Lower	Upper
164	100		
129	93.2	62.0	115.2
131	87.2	59.1	109.7
166	137.0	89.2	165.8

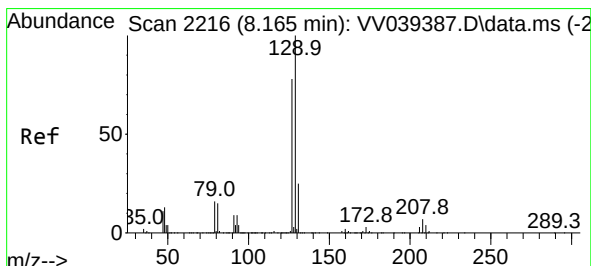
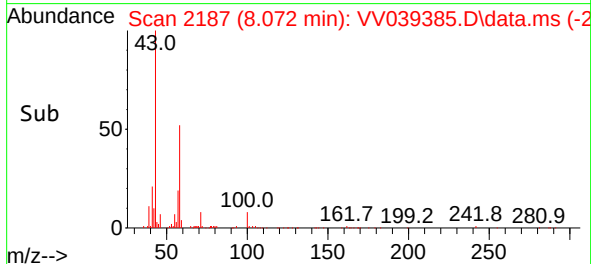
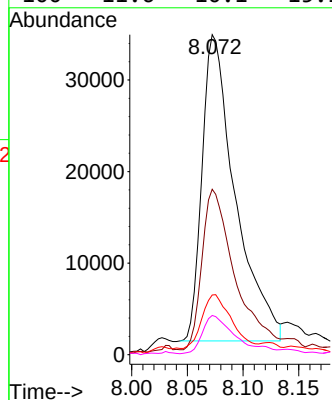
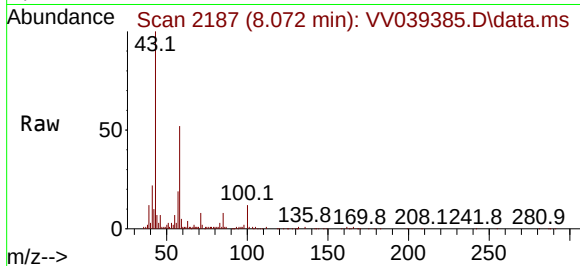




#48
2-Hexanone
Concen: 6.841 ug/L
RT: 8.072 min Scan# 2183
Delta R.T. 0.013 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

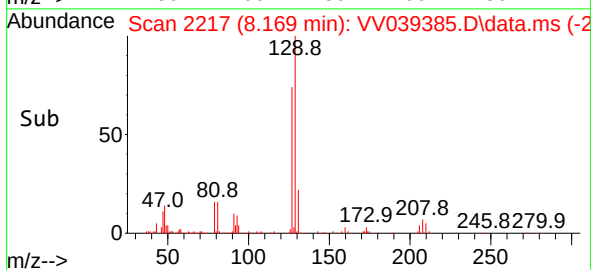
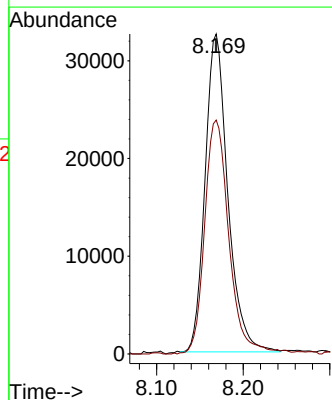
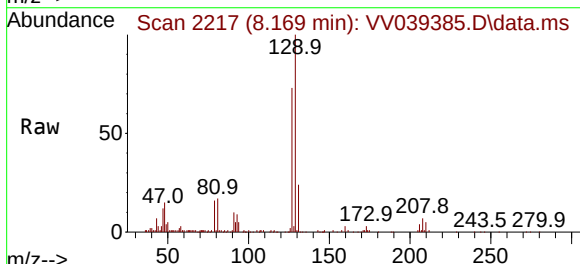
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

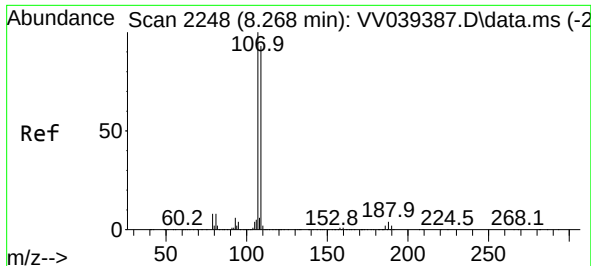
Tgt Ion: 43	Resp: 69354
Ion Ratio	Lower Upper
43 100	
58 52.2	45.0 67.4
57 15.5	15.0 22.6
100 11.6	10.1 15.1



#49
Dibromochloromethane
Concen: 5.678 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion:129	Resp:	59412	
Ion	Ratio	Lower	Upper
129	100		
127	73.1	54.8	101.8





#50

1,2-Dibromoethane

Concen: 5.437 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

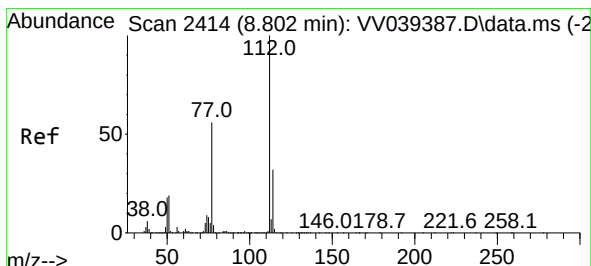
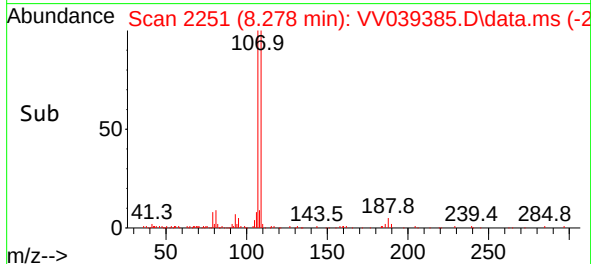
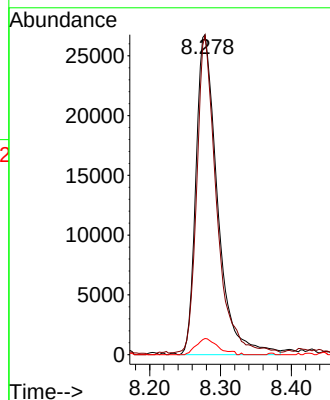
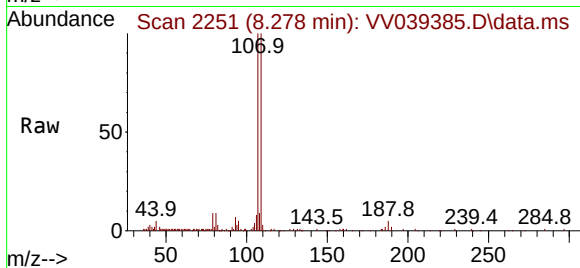
Tgt Ion:107 Resp: 56674

Ion Ratio Lower Upper

107 100

109 99.7 65.0 120.8

188 5.0 3.2 4.8#



#51

Chlorobenzene

Concen: 5.391 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

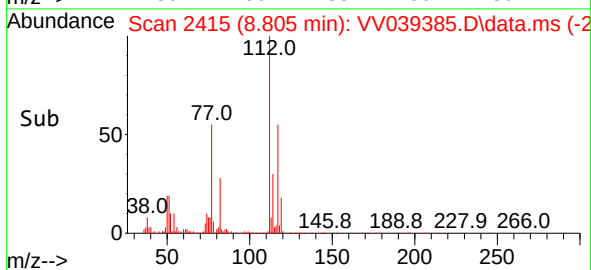
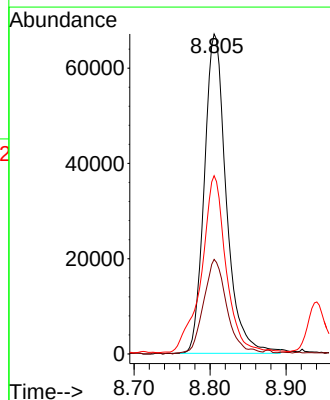
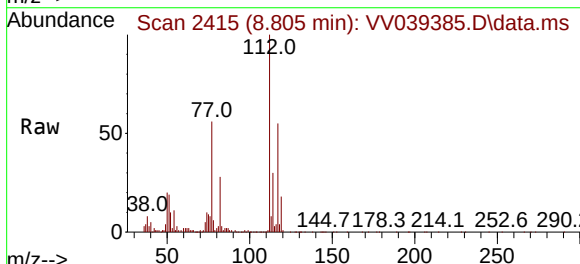
Tgt Ion:112 Resp: 135101

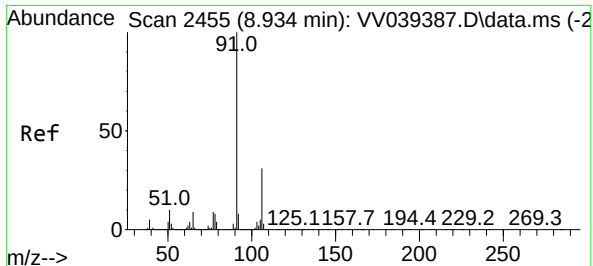
Ion Ratio Lower Upper

112 100

114 29.6 22.4 41.6

77 55.7 45.1 67.7

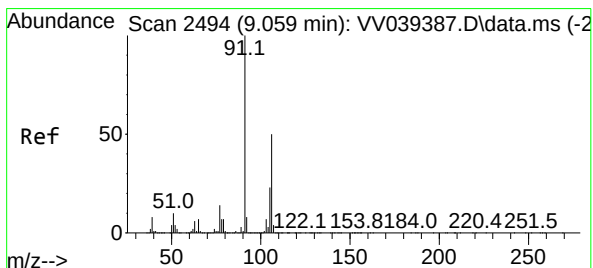
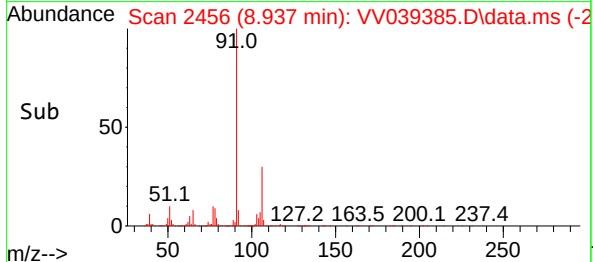
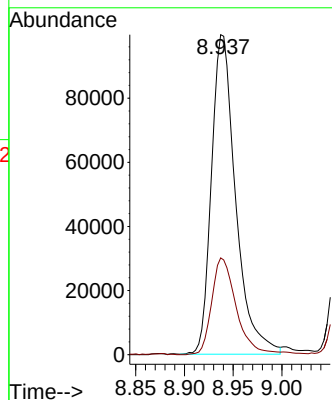
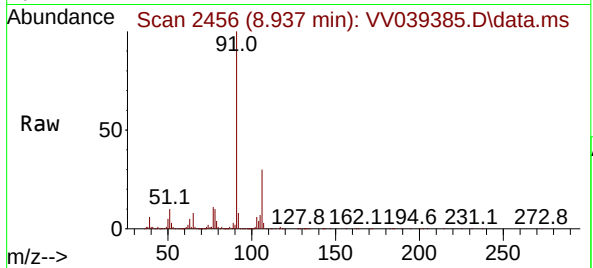




#52
Ethylbenzene
Concen: 4.332 ug/L
RT: 8.937 min Scan# 2455
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

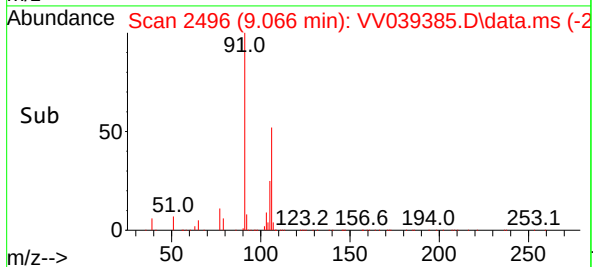
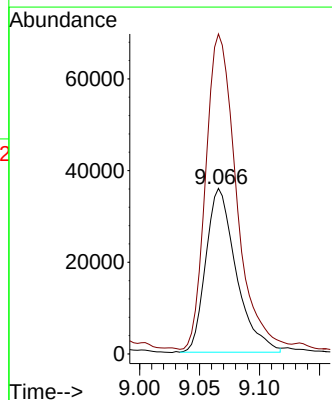
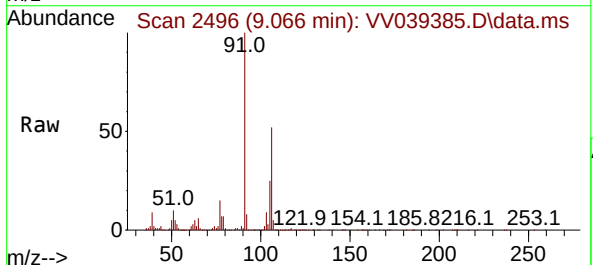
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

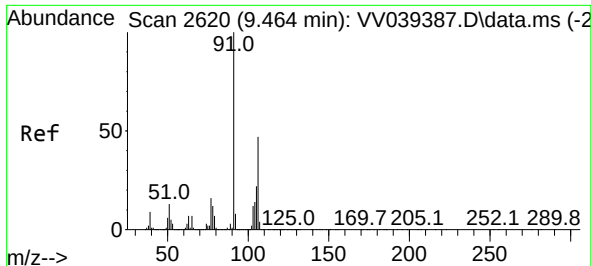
Tgt Ion: 91 Resp: 172194
Ion Ratio Lower Upper
91 100
106 30.3 21.8 40.4



#53
m,p-Xylene
Concen: 4.296 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion: 106 Resp: 63003
Ion Ratio Lower Upper
106 100
91 193.2 141.1 262.1

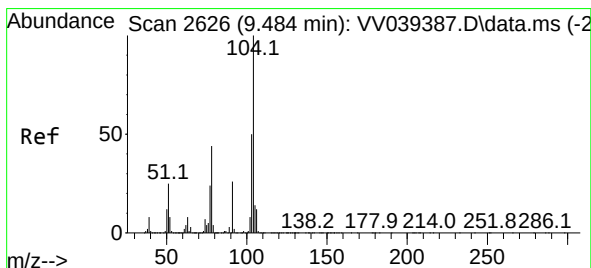
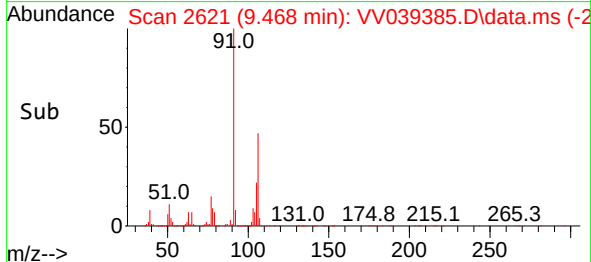
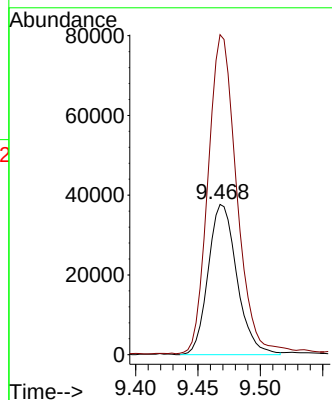
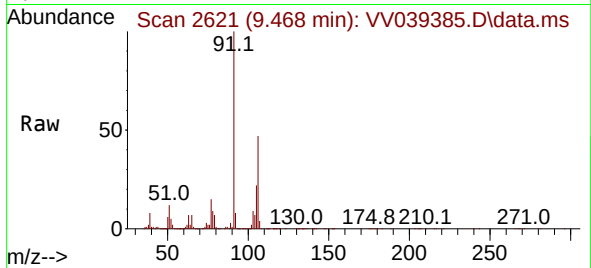




#54
o-Xylene
Concen: 4.267 ug/L
RT: 9.468 min Scan# 2620
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

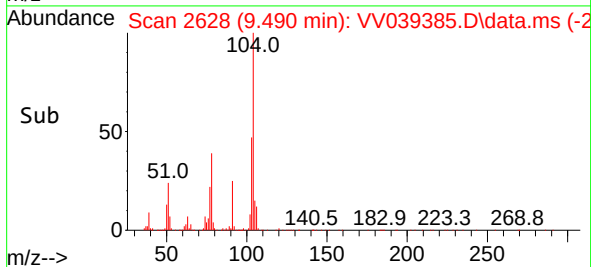
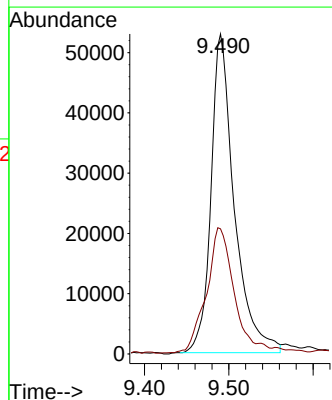
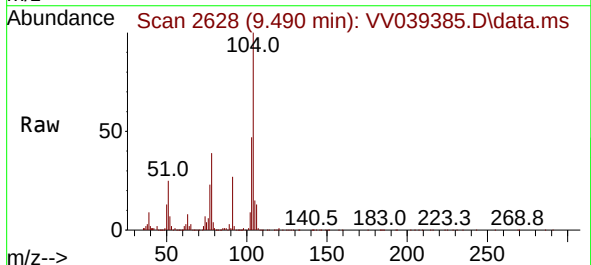
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

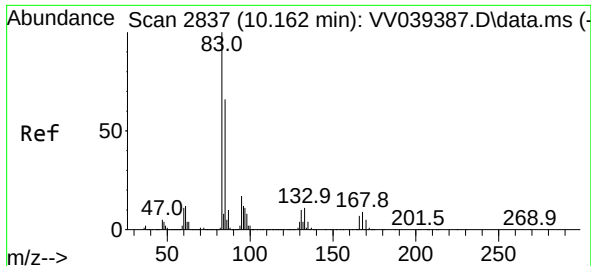
Tgt Ion:106 Resp: 60521
Ion Ratio Lower Upper
106 100
91 212.9 149.0 276.6



#55
Styrene
Concen: 4.127 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion:104 Resp: 101904
Ion Ratio Lower Upper
104 100
78 39.1 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.228 ug/L

RT: 10.165 min Scan# 2837

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

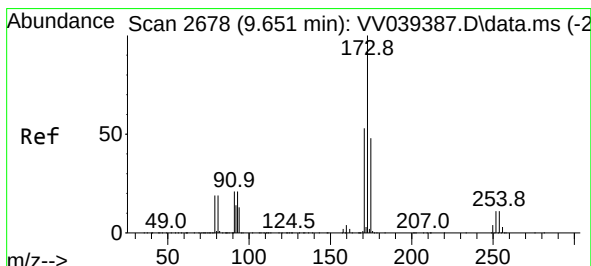
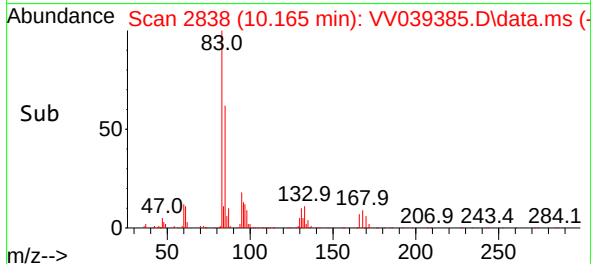
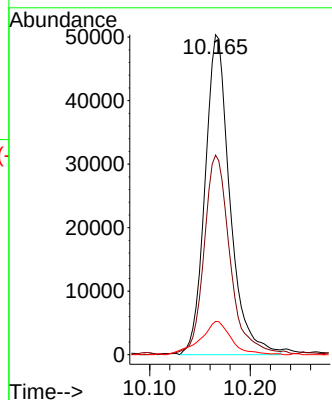
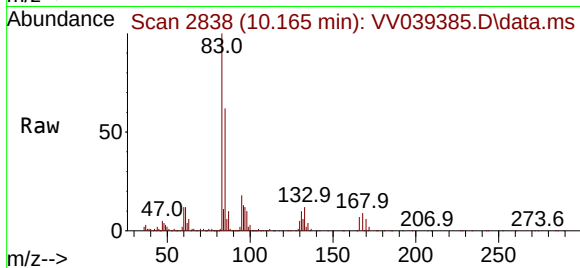
Tgt Ion: 83 Resp: 86612

Ion Ratio Lower Upper

83 100

85 62.4 46.1 85.5

131 10.4 8.3 12.5



#59

Bromoform

Concen: 6.412 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

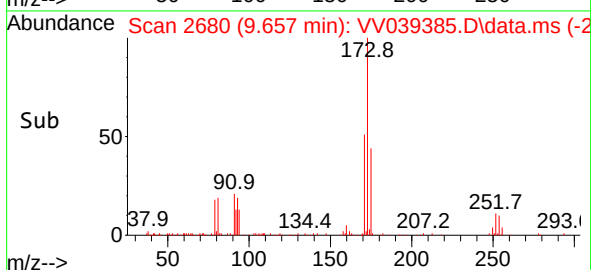
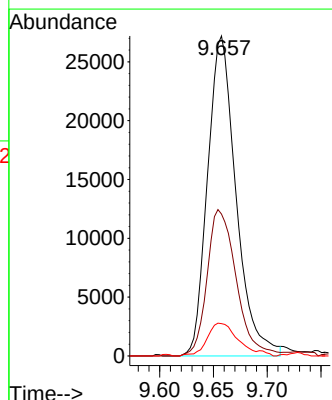
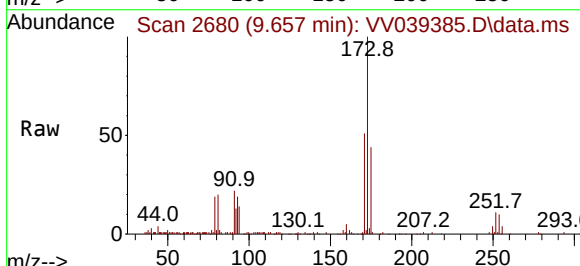
Tgt Ion: 173 Resp: 50129

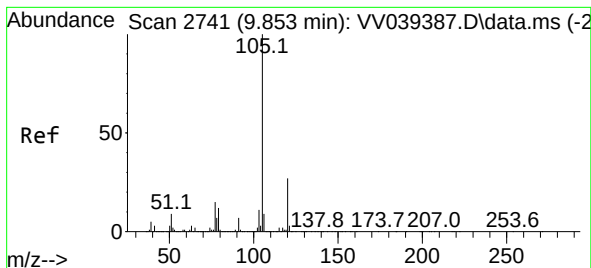
Ion Ratio Lower Upper

173 100

175 46.8 38.5 57.7

254 10.6 8.4 12.6





#60

Isopropylbenzene

Concen: 4.130 ug/L

RT: 9.857 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

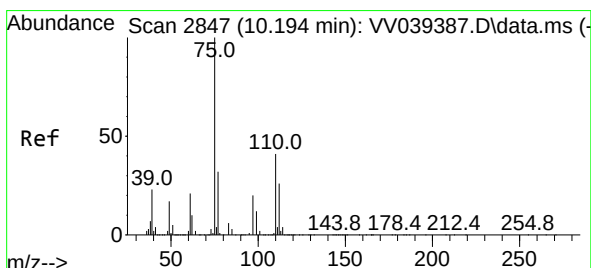
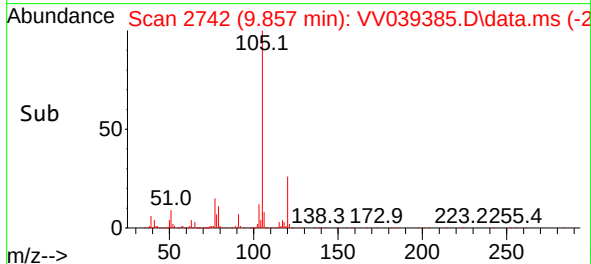
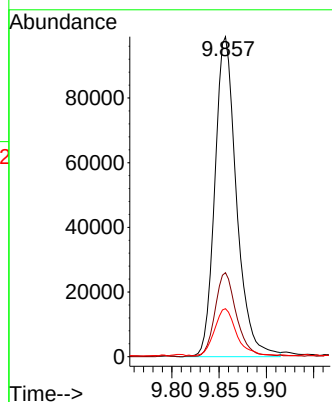
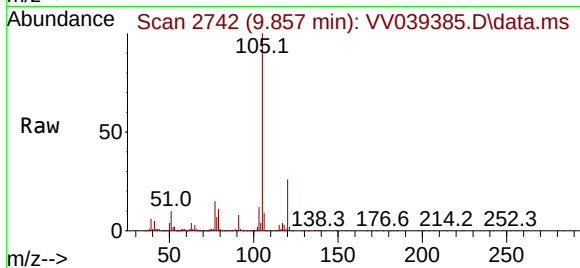
Tgt Ion:105 Resp: 157383

Ion Ratio Lower Upper

105 100

120 25.6 21.4 32.0

77 15.0 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 4.868 ug/L

RT: 10.198 min Scan# 2848

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

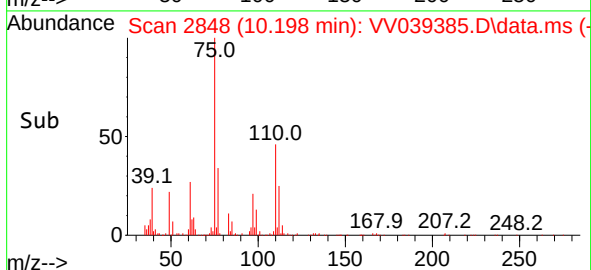
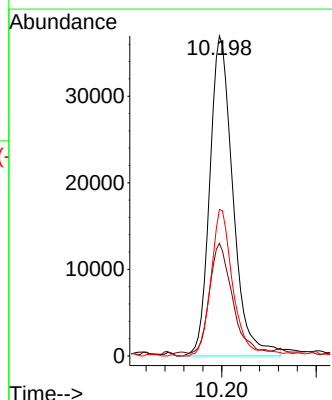
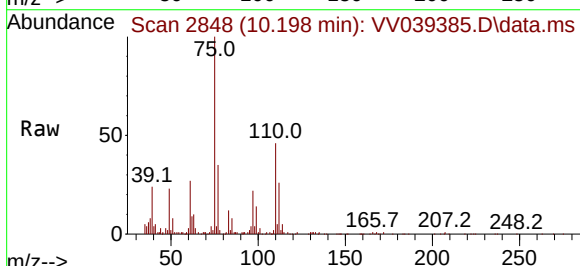
Tgt Ion: 75 Resp: 63072

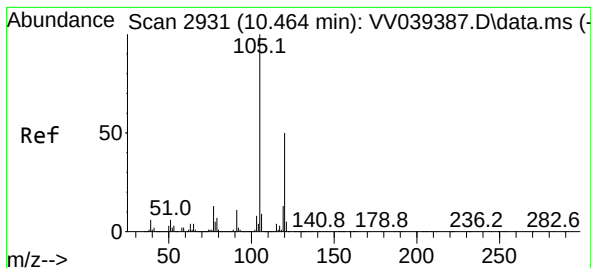
Ion Ratio Lower Upper

75 100

77 33.7 25.7 38.5

110 42.4 32.6 49.0





#62

1,3,5-Trimethylbenzene

Concen: 3.887 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

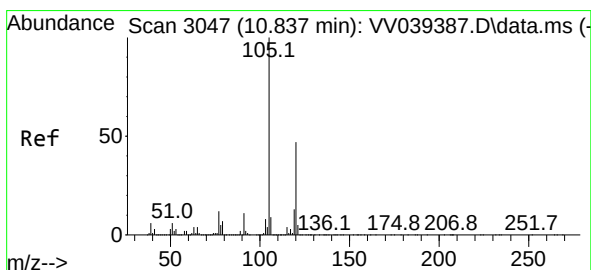
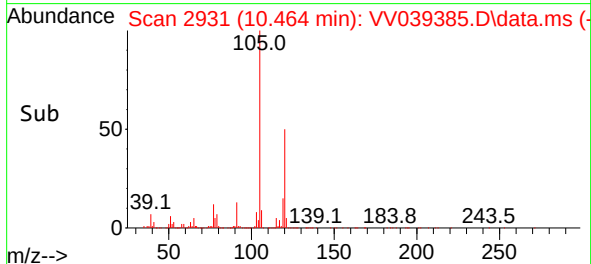
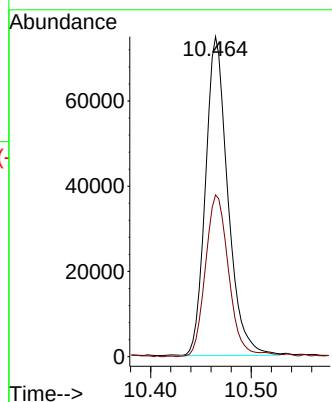
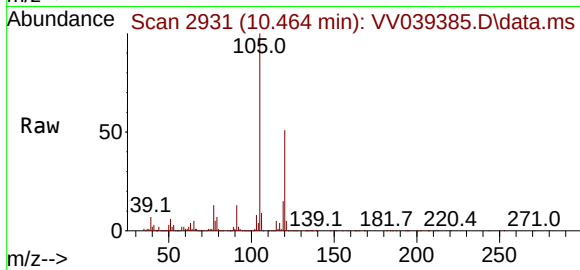
VSTD005231

Tgt Ion:105 Resp: 115545

Ion Ratio Lower Upper

105 100

120 52.4 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 3.807 ug/L

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039385.D

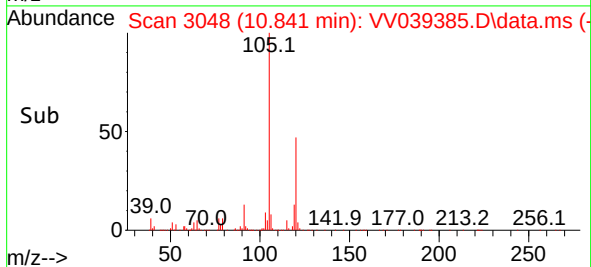
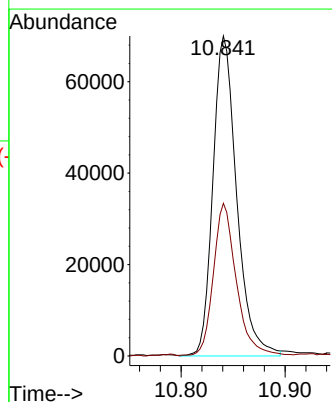
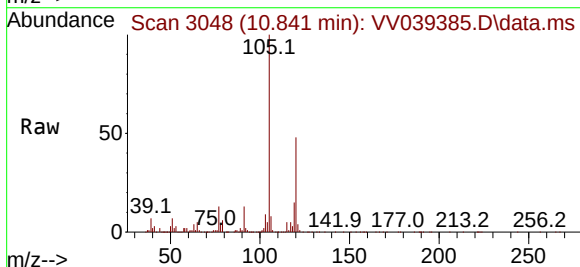
Acq: 17 Nov 2025 11:38

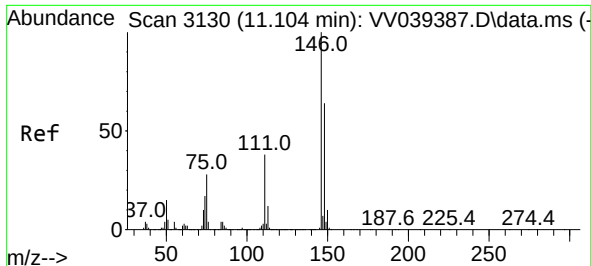
Tgt Ion:105 Resp: 111355

Ion Ratio Lower Upper

105 100

120 45.4 37.4 56.2

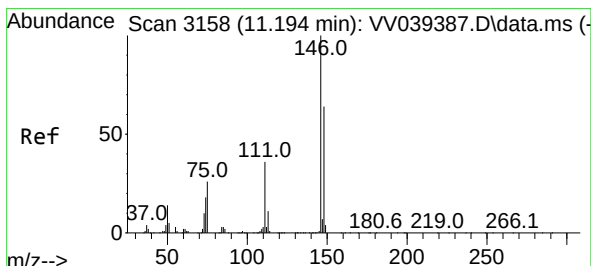
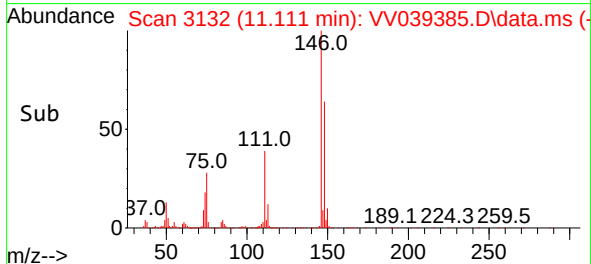
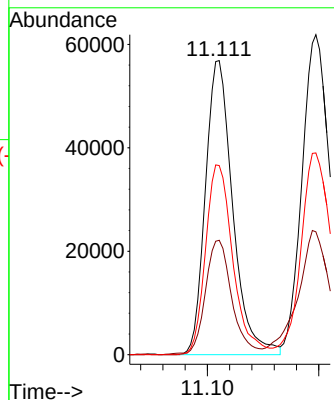
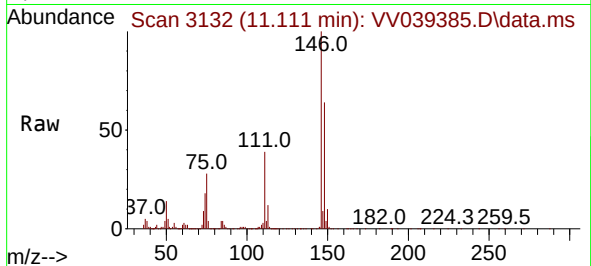




#64
1,3-Dichlorobenzene
Concen: 5.203 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. 0.007 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

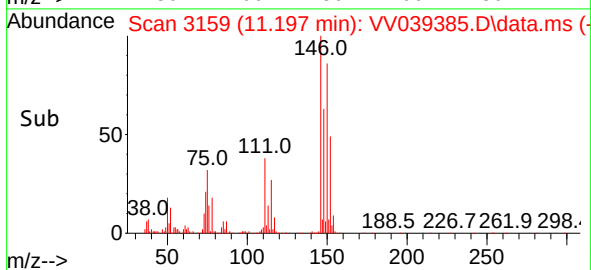
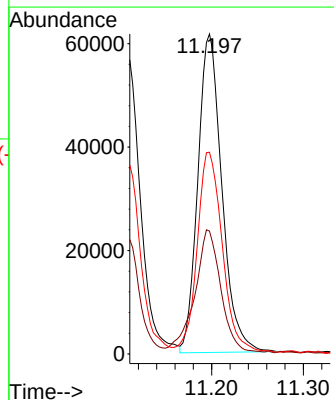
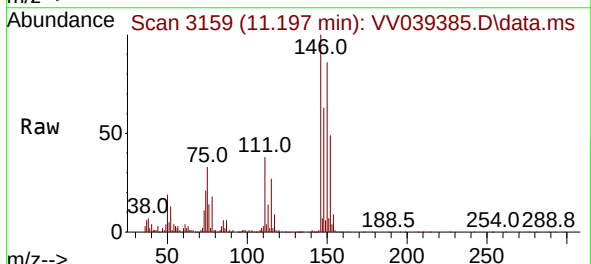
Instrument :
MSVOA_V
ClientSampleId :
VSTD005231

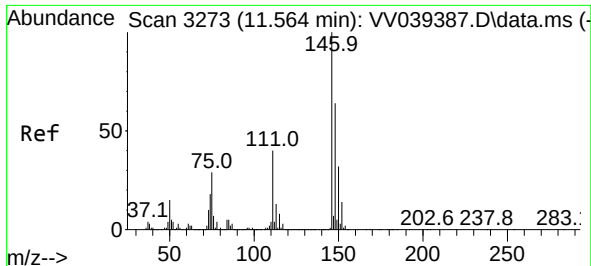
Tgt Ion:146 Resp: 97073
Ion Ratio Lower Upper
146 100
111 38.9 26.5 49.3
148 64.3 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.589 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039385.D
Acq: 17 Nov 2025 11:38

Tgt Ion:146 Resp: 112134
Ion Ratio Lower Upper
146 100
111 38.4 25.6 47.4
148 63.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.377 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

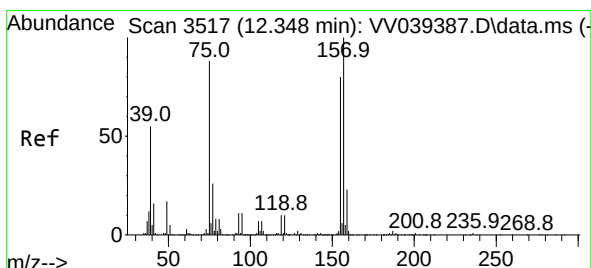
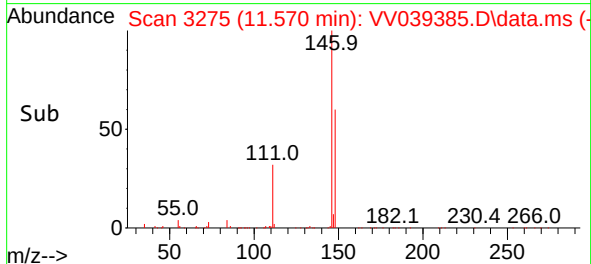
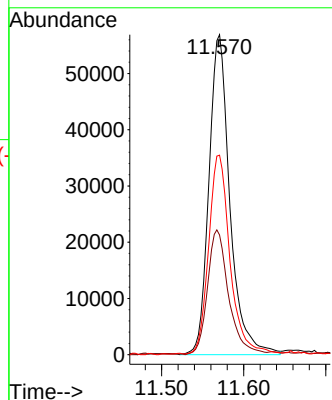
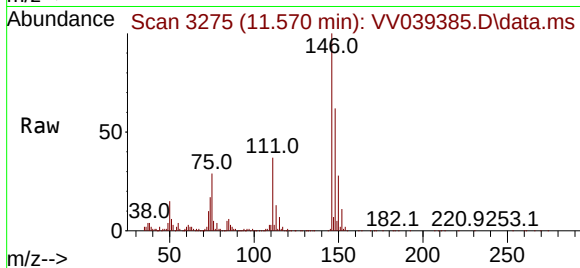
Tgt Ion:146 Resp: 101329

Ion Ratio Lower Upper

146 100

111 37.4 32.2 48.2

148 62.3 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.645 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

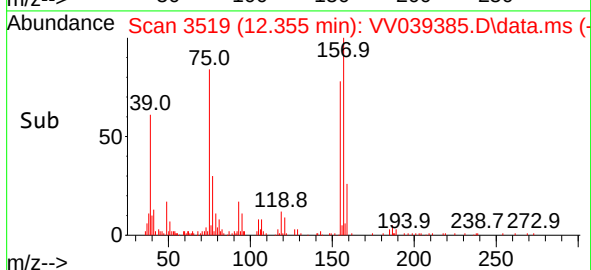
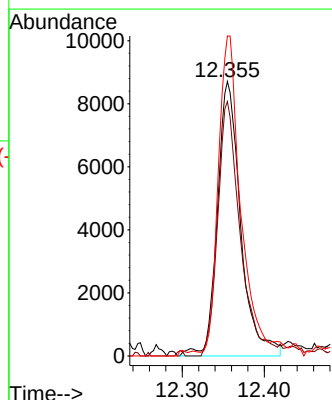
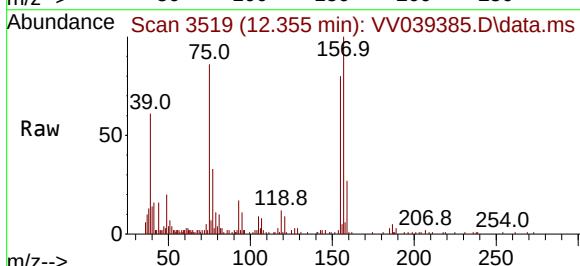
Tgt Ion: 75 Resp: 17171

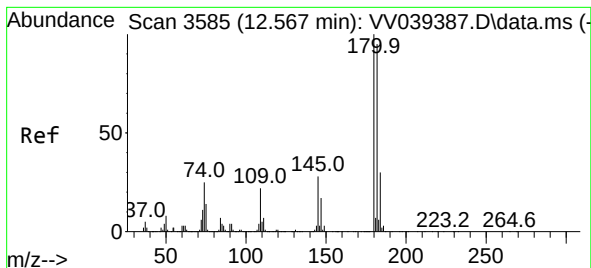
Ion Ratio Lower Upper

75 100

155 92.7 73.0 109.4

157 116.6 91.0 136.4





#69

1,3,5-Trichlorobenzene

Concen: 5.283 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

Tgt Ion:180 Resp: 66467

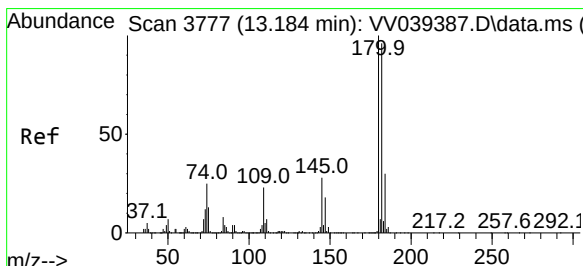
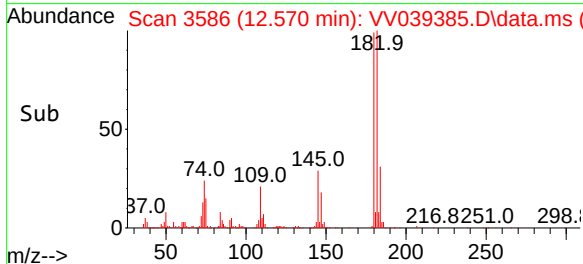
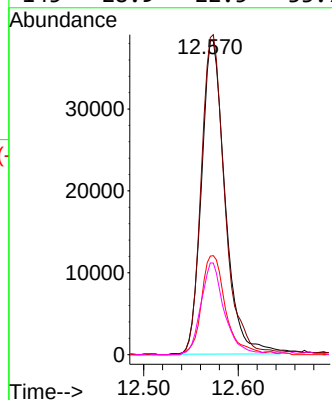
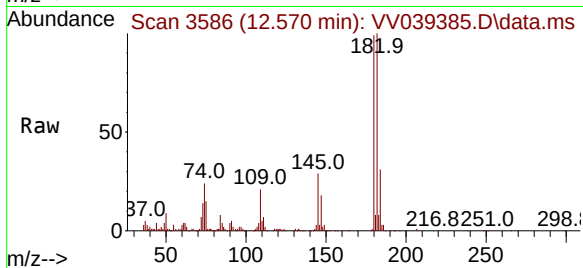
Ion Ratio Lower Upper

180 100

182 101.5 75.8 113.8

184 32.2 24.3 36.5

145 28.9 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 5.038 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

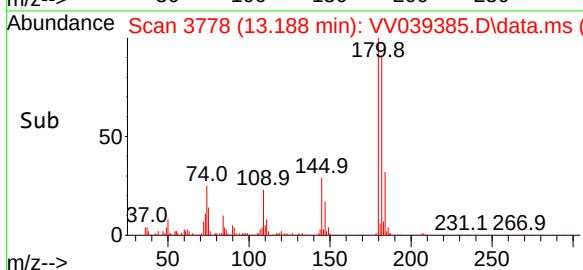
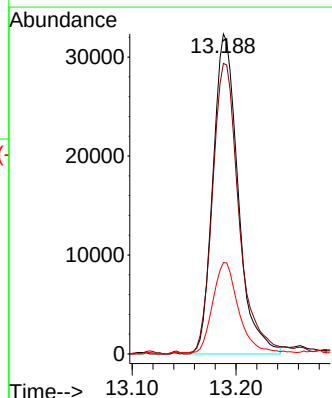
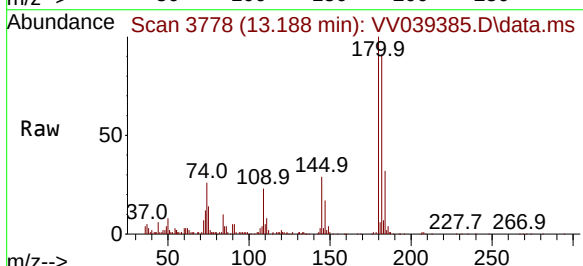
Tgt Ion:180 Resp: 54212

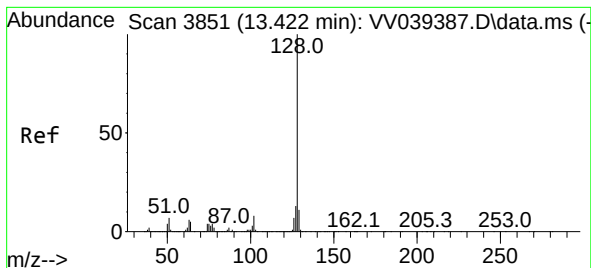
Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 28.5 22.5 33.7





#71

Naphthalene

Concen: 3.505 ug/L

RT: 13.429 min Scan# 3851

Delta R.T. 0.007 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD005231

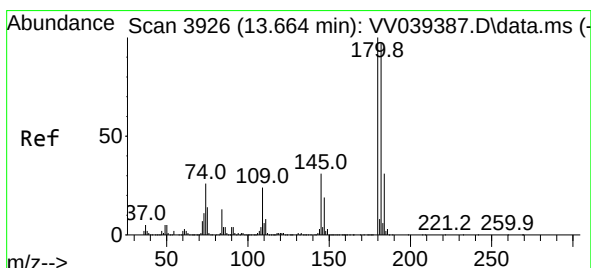
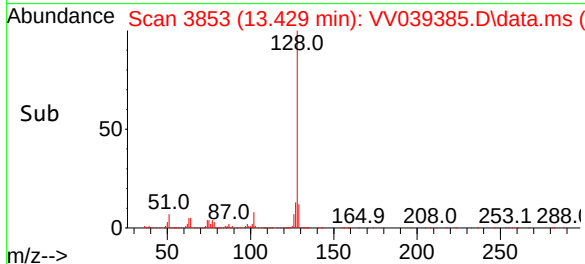
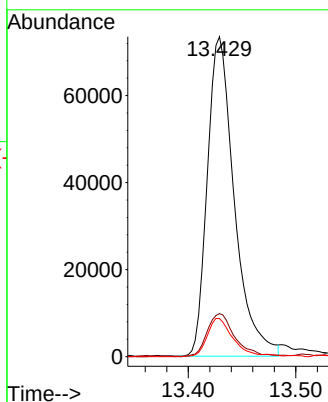
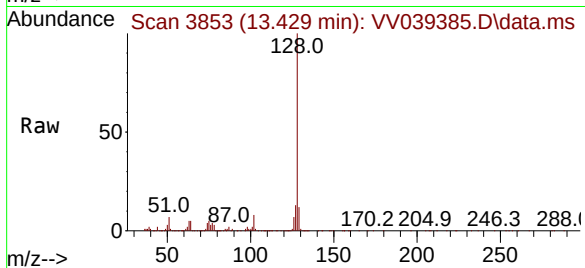
Tgt Ion:128 Resp: 128095

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 11.2 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.822 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.003 min

Lab File: VV039385.D

Acq: 17 Nov 2025 11:38

Tgt Ion:180 Resp: 54148

Ion Ratio Lower Upper

180 100

182 96.8 76.6 115.0

145 31.4 24.3 36.5

