

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111522\
 Data File : VW028977.D
 Acq On : 15 Nov 2022 09:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

Quant Time: Nov 16 02:59:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 01:23:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	292853	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	269384	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	141413	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	66450	3.722	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.568	69	65260	4.158	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.108	63	137938	4.240	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.889	46	132913	44.473	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.940%
24) Chloroform-d	4.339	84	171799	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.027	65	73686	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.043	84	335083	4.167	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.063	67	98275	4.377	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.310	98	303861	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.616	79	28603	3.906	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.085	63	157680	50.445	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.880%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	75653	4.860	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	112889	4.462	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	124662	5.107	ug/L	99
3) Chloromethane	1.240	50	98589	4.866	ug/L	97
5) Vinyl chloride	1.310	62	111263	4.814	ug/L	98
6) Bromomethane	1.519	94	62151	4.500	ug/L	99
8) Chloroethane	1.584	64	72220	5.318	ug/L	100
9) Trichlorofluoromethane	1.751	101	165672	5.317	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	95315	5.402	ug/L	98
12) 1,1-Dichloroethene	2.117	96	91889	5.183	ug/L	87
13) Acetone	2.185	43	77687	40.409	ug/L	95
14) Carbon disulfide	2.291	76	307209	4.880	ug/L	100
15) Methyl Acetate	2.436	43	18690	4.006	ug/L	90
16) Methylene chloride	2.503	84	110217	4.808	ug/L	96
17) Methyl tert-butyl Ether	2.764	73	195398	5.141	ug/L	100
18) trans-1,2-Dichloroethene	2.754	96	107968	5.251	ug/L	97
19) 1,1-Dichloroethane	3.182	63	174587	5.194	ug/L	98
21) 2-Butanone	3.973	43	125153	42.048	ug/L	80
22) cis-1,2-Dichloroethene	3.905	96	111588	5.338	ug/L	95
23) Bromochloromethane	4.240	128	46761	5.289	ug/L	96
25) Chloroform	4.365	83	186557	5.294	ug/L	96

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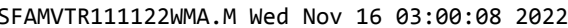
Instrument :
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 ClientSampleId :
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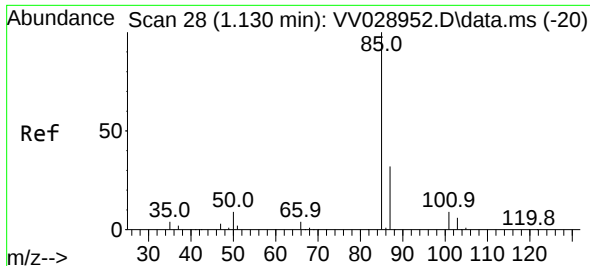
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 01:23:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	95484	5.261	ug/L	99
29) 1,1,1-Trichloroethane	4.600	97	163203	5.163	ug/L	98
30) Cyclohexane	4.670	56	162952	5.072	ug/L	98
31) Carbon tetrachloride	4.818	117	138949	5.104	ug/L	100
33) Benzene	5.092	78	420280	5.106	ug/L	100
34) Trichloroethene	5.908	95	109387	5.190	ug/L	98
35) Methylcyclohexane	6.124	83	189212	5.109	ug/L	98
37) 1,2-Dichloropropane	6.169	63	96604	5.089	ug/L	100
38) Bromodichloromethane	6.503	83	119727	4.980	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	125533	4.737	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	425782	52.132	ug/L	98
42) Toluene	7.381	91	468529	5.268	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	97022	4.716	ug/L	98
45) 1,1,2-Trichloroethane	7.831	97	67817	5.457	ug/L	97
47) Tetrachloroethene	7.969	164	94486	5.599	ug/L	99
48) 2-Hexanone	8.137	43	307560	53.759	ug/L	99
49) Dibromochloromethane	8.239	129	75931	5.054	ug/L	98
50) 1,2-Dibromoethane	8.346	107	63161	5.471	ug/L	99
51) Chlorobenzene	8.873	112	298261	5.424	ug/L	99
52) Ethylbenzene	9.005	91	501573	5.417	ug/L	98
53) m,p-Xylene	9.130	106	198734	5.397	ug/L	99
54) o-Xylene	9.535	106	193765	5.536	ug/L	99
55) Styrene	9.554	104	326640	5.563	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.233	83	77312	5.338	ug/L	98
59) Bromoform	9.725	173	37720	4.893	ug/L	99
60) Isopropylbenzene	9.924	105	516326	5.625	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	54191	5.608	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	436542	5.614	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	437569	5.618	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	237219	5.500	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	235377	5.429	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	208943	5.392	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.419	75	8664	4.557	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.635	180	184809	5.554	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	141474	5.621	ug/L	98
71) Naphthalene	13.493	128	164941	5.079	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	118241	5.547	ug/L	100

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

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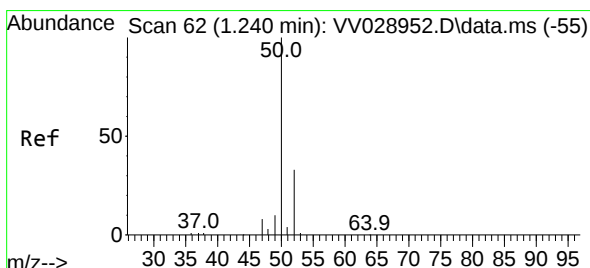
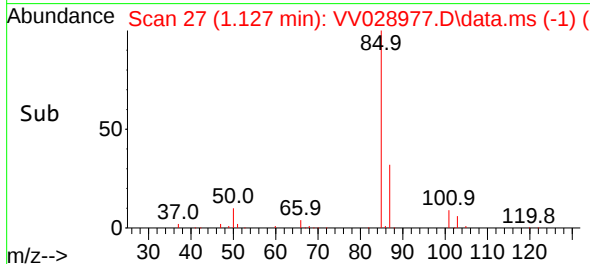
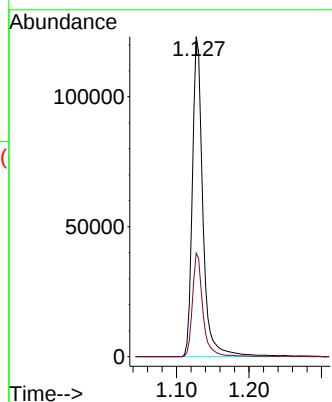
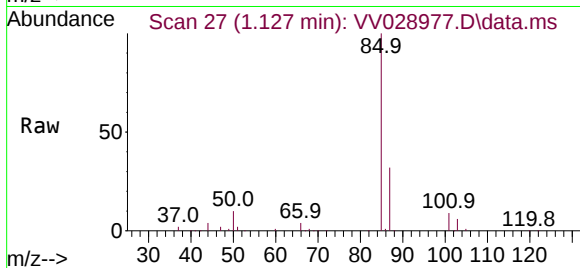




#2
 Dichlorodifluoromethane
 Concen: 5.107 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

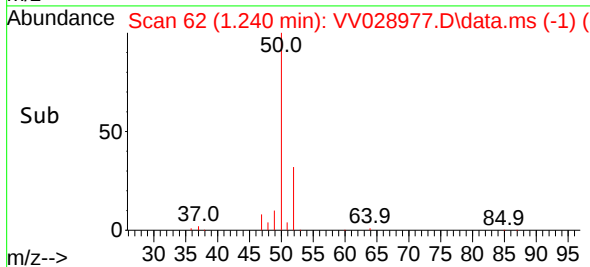
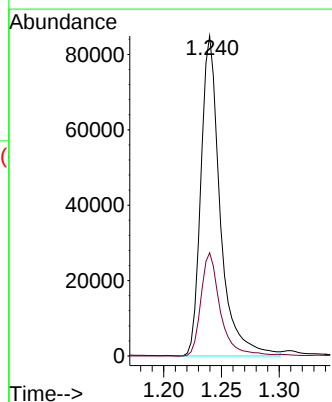
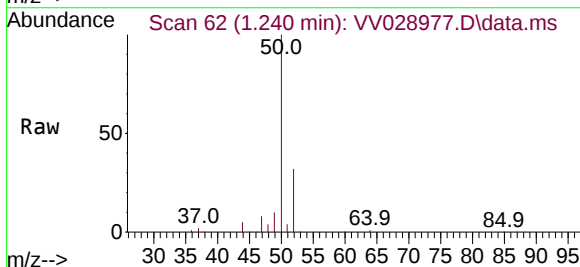
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 ClientSampleId :
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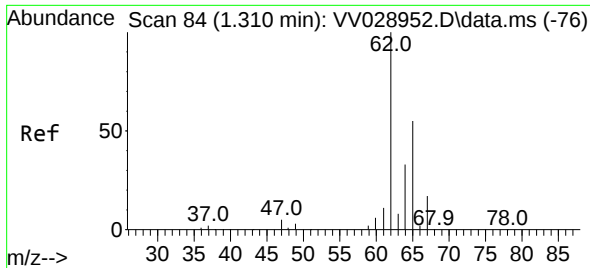
Tgt Ion: 85 Resp: 124662
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4



#3
 Chloromethane
 Concen: 4.866 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

Tgt Ion: 50 Resp: 98589
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.7 43.9

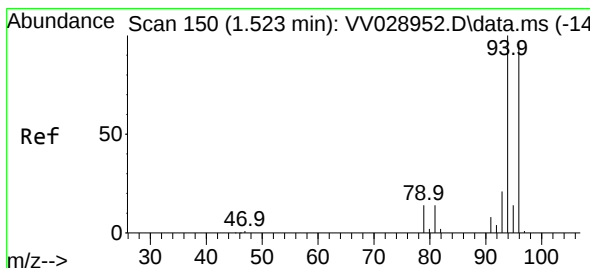
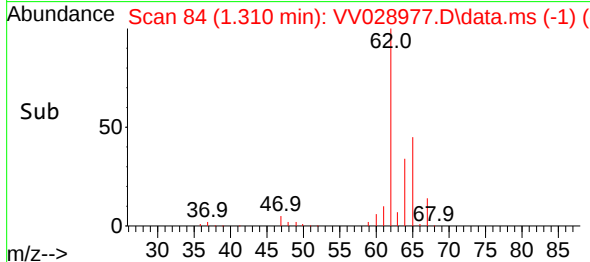
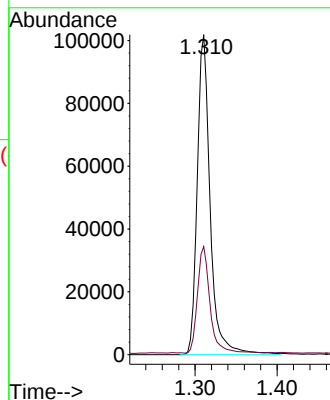
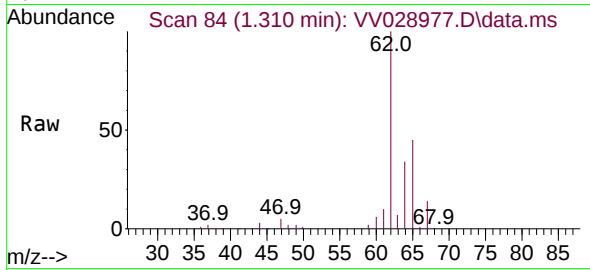




#5
 Vinyl chloride
 Concen: 4.814 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

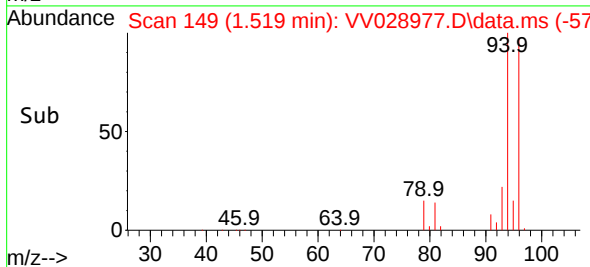
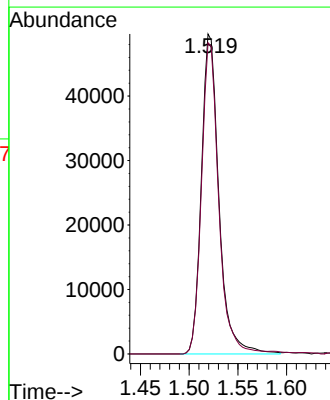
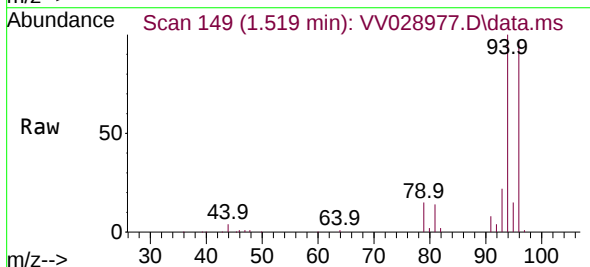
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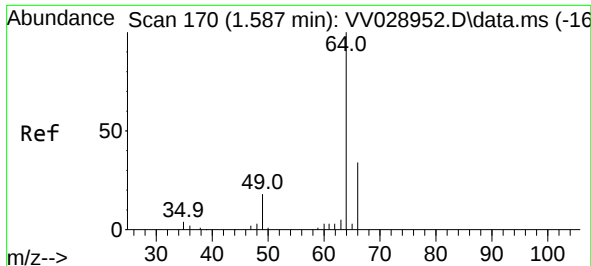
Tgt Ion: 62 Resp: 111263
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.8 42.4



#6
 Bromomethane
 Concen: 4.500 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

Tgt Ion: 94 Resp: 62151
 Ion Ratio Lower Upper
 94 100
 96 97.3 68.5 127.3

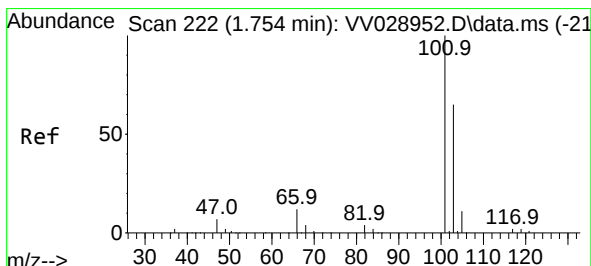
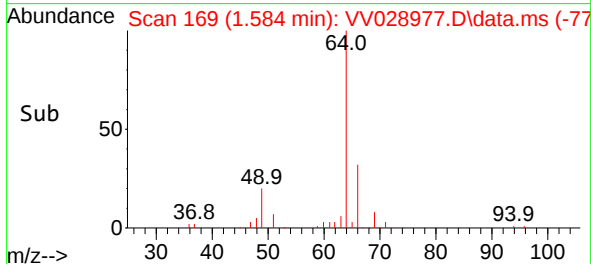
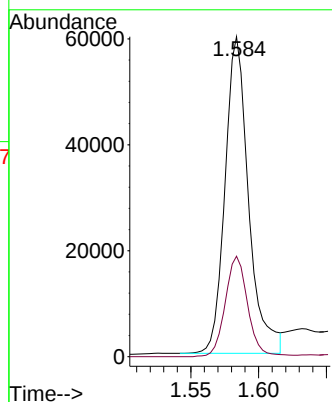
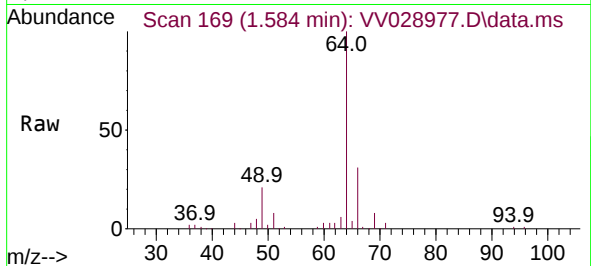




#8
Chloroethane
Concen: 5.318 ug/L
RT: 1.584 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

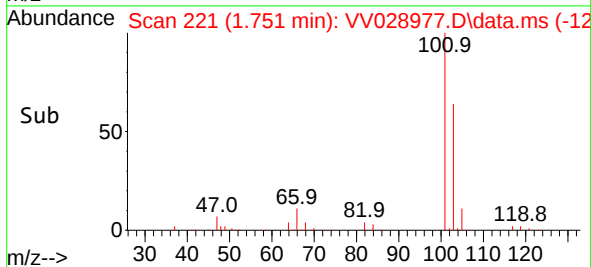
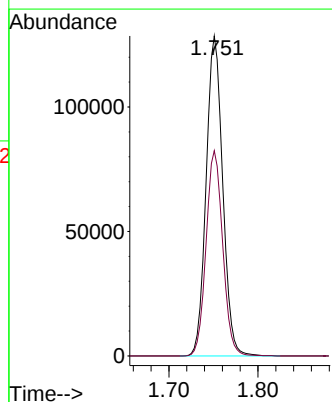
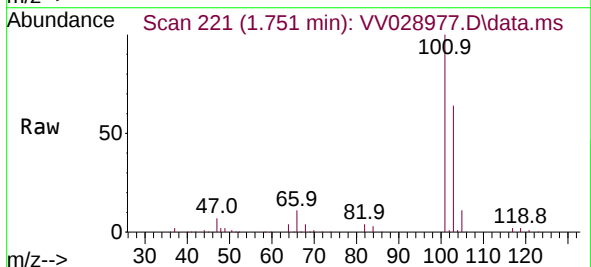
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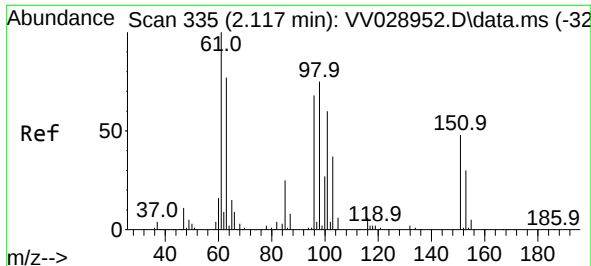
Tgt Ion: 64 Resp: 72220
Ion Ratio Lower Upper
64 100
66 31.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.317 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion:101 Resp: 165672
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

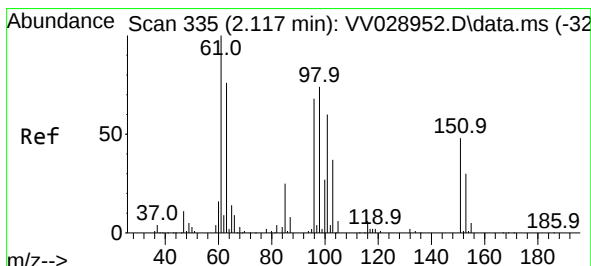
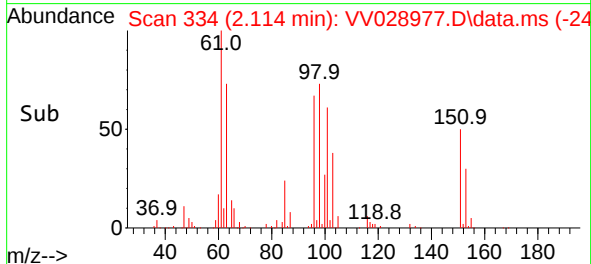
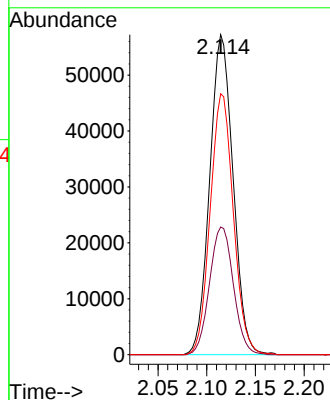
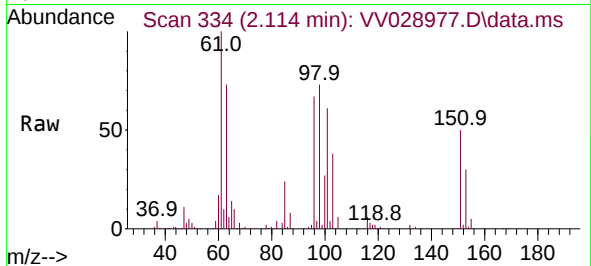




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.402 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

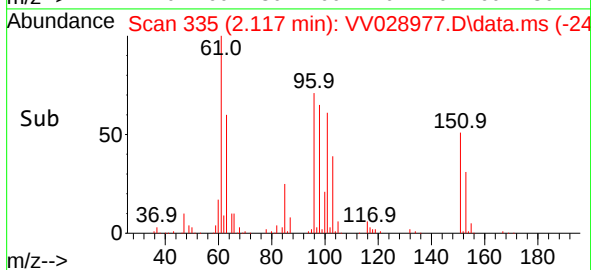
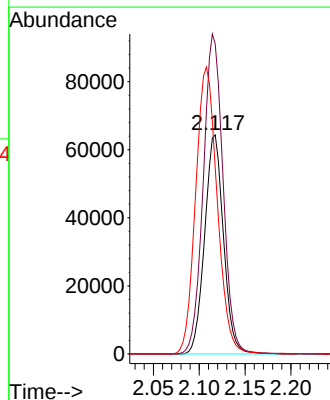
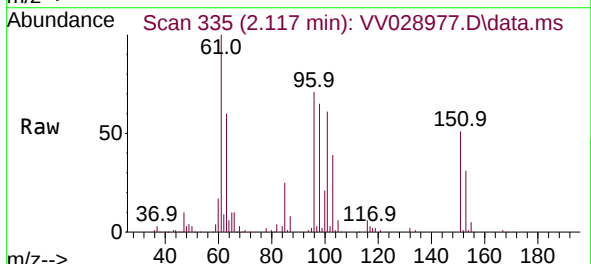
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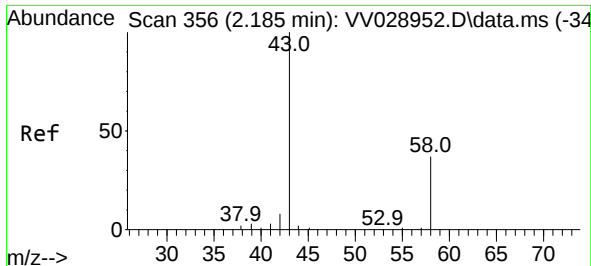
Tgt Ion:101 Resp: 95315
 Ion Ratio Lower Upper
 101 100
 85 40.8 32.9 49.3
 151 80.8 62.5 93.7



#12
 1,1-Dichloroethene
 Concen: 5.183 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

Tgt Ion: 96 Resp: 91889
 Ion Ratio Lower Upper
 96 100
 61 141.5 104.2 193.4
 63 84.9 75.9 140.9





#13

Acetone

Concen: 40.409 ug/L

RT: 2.185 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

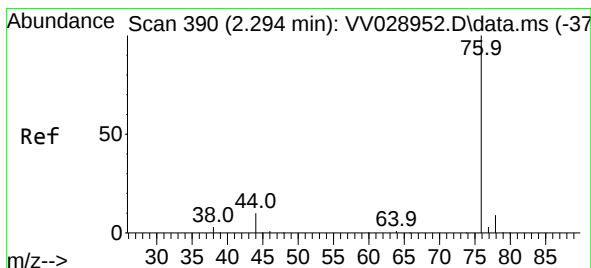
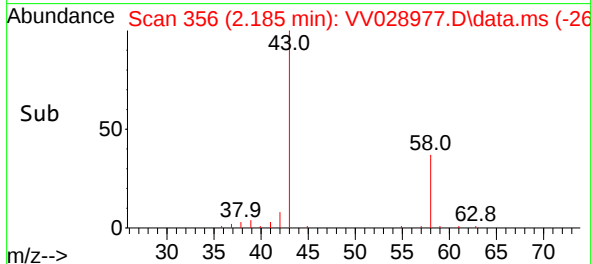
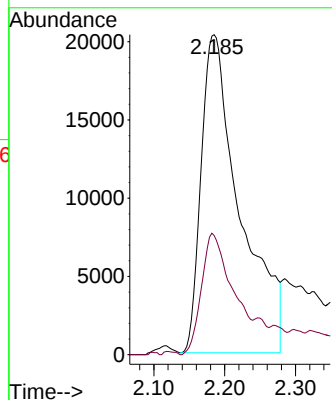
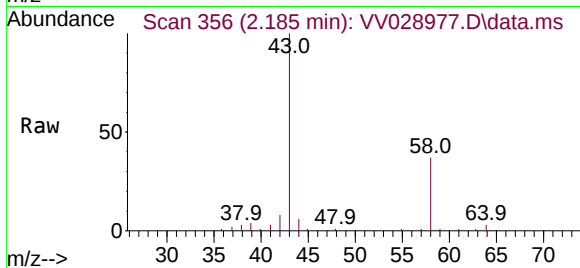
VSTD005347

Tgt Ion: 43 Resp: 77687

Ion Ratio Lower Upper

43 100

58 30.9 0.0 56.6



#14

Carbon disulfide

Concen: 4.880 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV028977.D

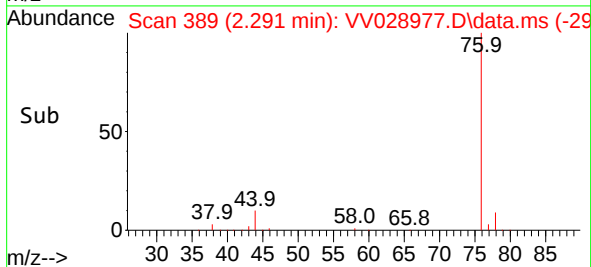
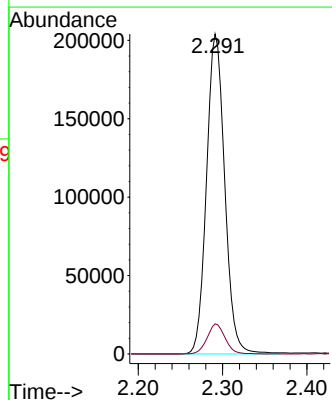
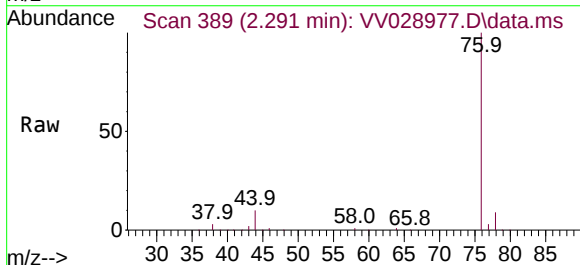
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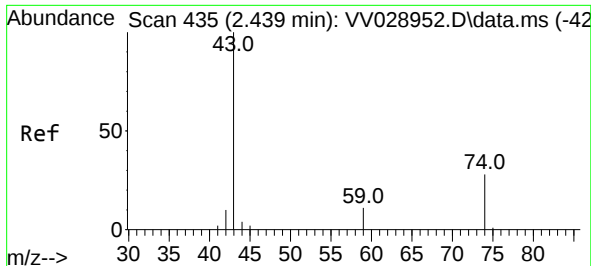
Tgt Ion: 76 Resp: 307209

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 4.006 ug/L

RT: 2.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

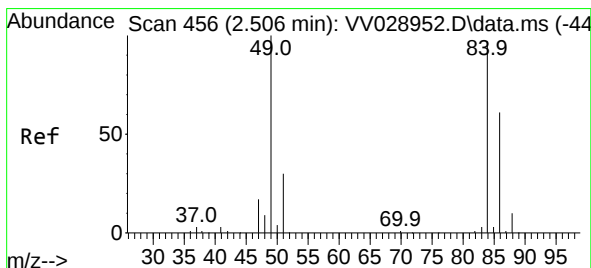
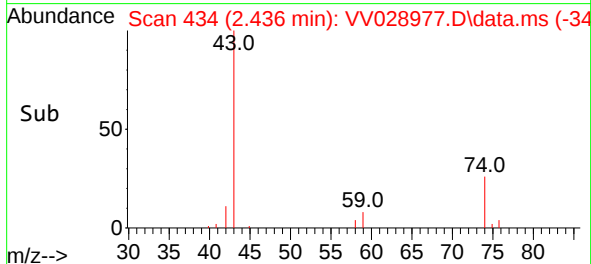
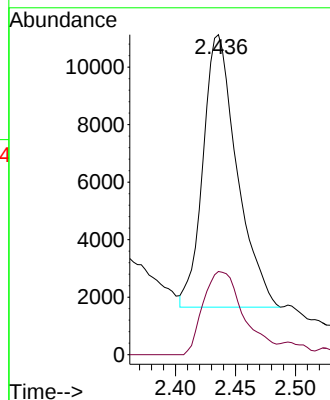
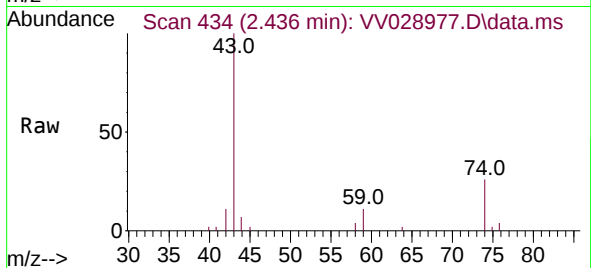
VSTD005347

Tgt Ion: 43 Resp: 18690

Ion Ratio Lower Upper

43 100

74 36.4 24.6 37.0



#16

Methylene chloride

Concen: 4.808 ug/L

RT: 2.503 min Scan# 455

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

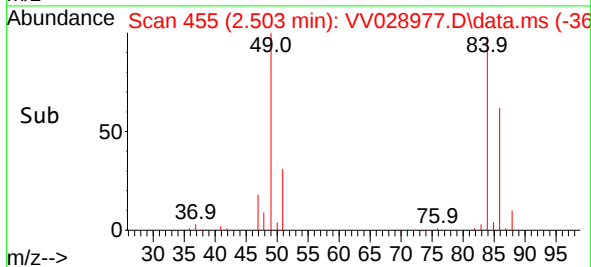
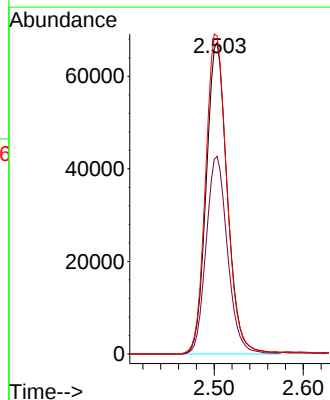
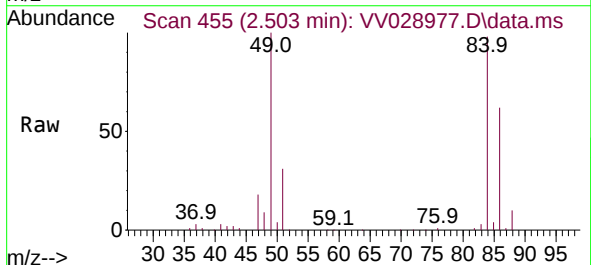
Tgt Ion: 84 Resp: 110217

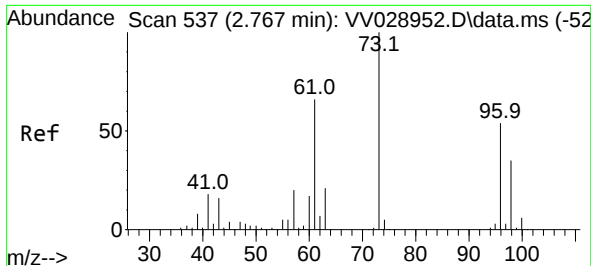
Ion Ratio Lower Upper

84 100

86 63.4 45.8 85.0

49 102.1 75.5 140.1

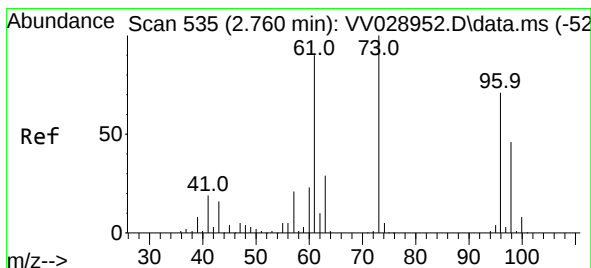
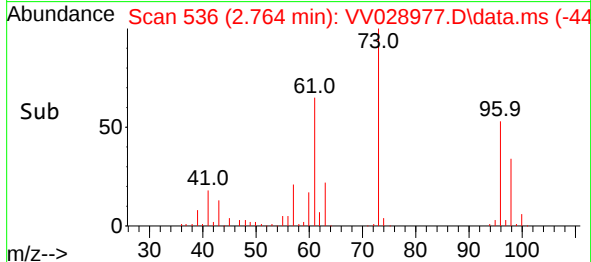
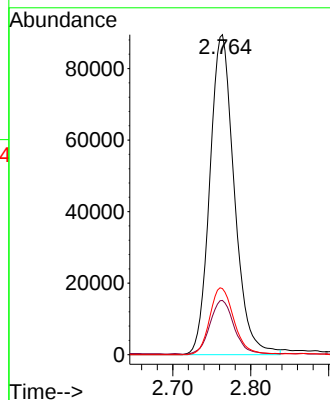
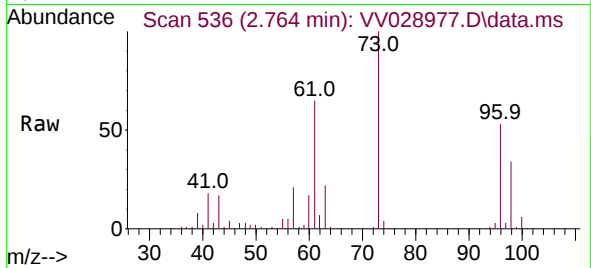




#17
Methyl tert-butyl Ether
Concen: 5.141 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

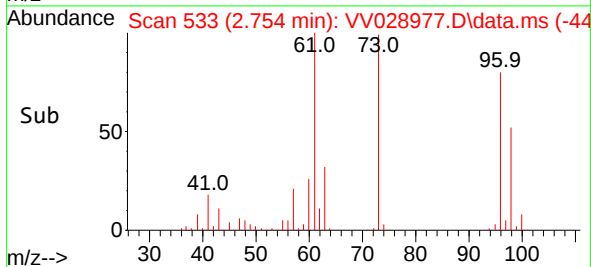
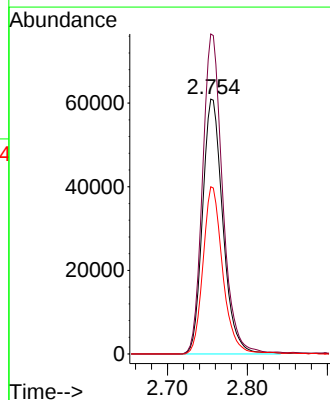
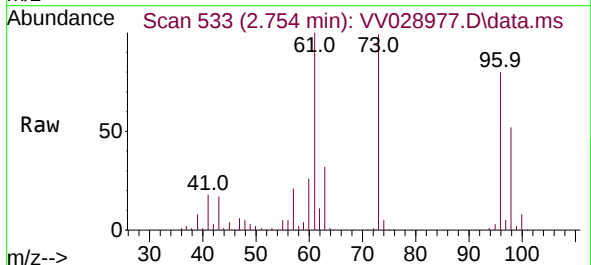
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

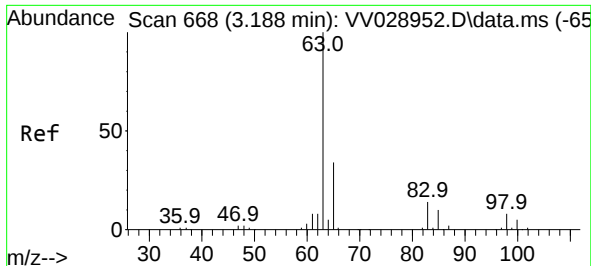
Tgt Ion: 73 Resp: 195398
Ion Ratio Lower Upper
73 100
43 16.5 13.0 19.4
57 20.8 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 5.251 ug/L
RT: 2.754 min Scan# 533
Delta R.T. -0.006 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 96 Resp: 107968
Ion Ratio Lower Upper
96 100
61 125.6 91.8 170.6
98 65.6 46.4 86.2

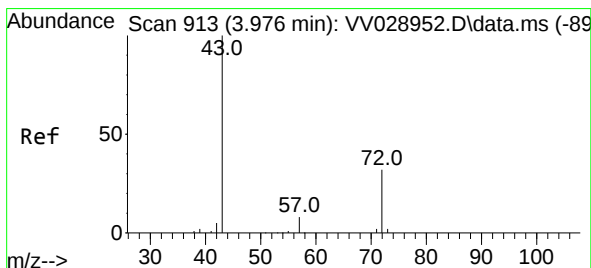
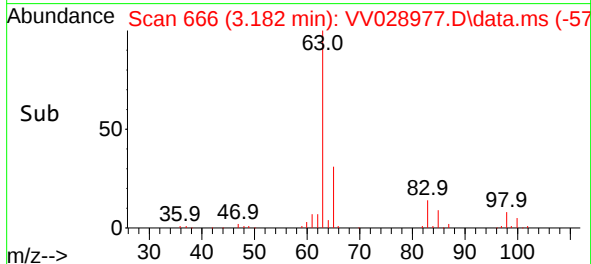
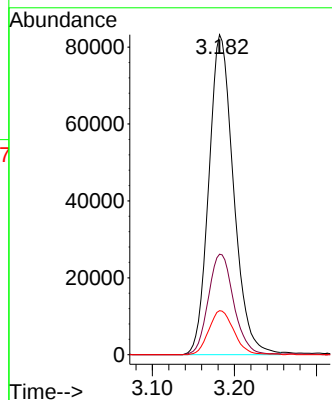
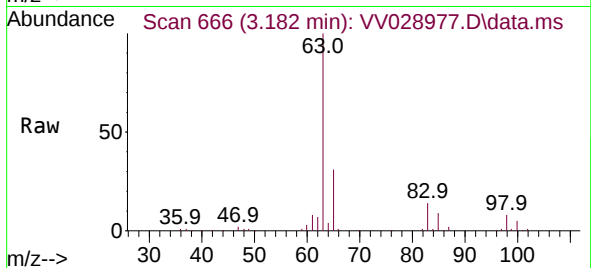




#19
1,1-Dichloroethane
Concen: 5.194 ug/L
RT: 3.182 min Scan# 61
Delta R.T. -0.006 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

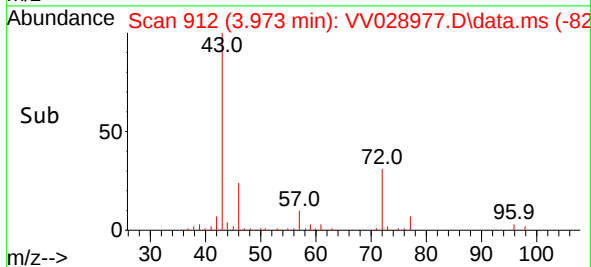
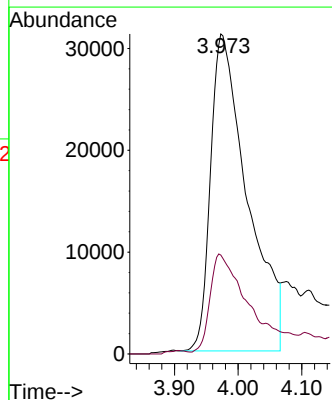
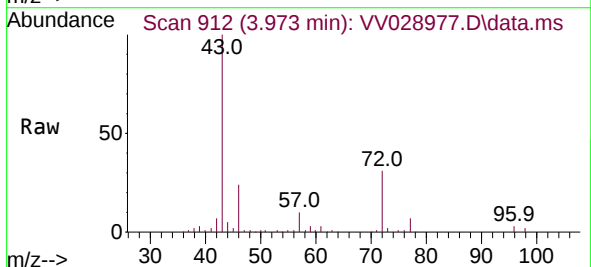
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

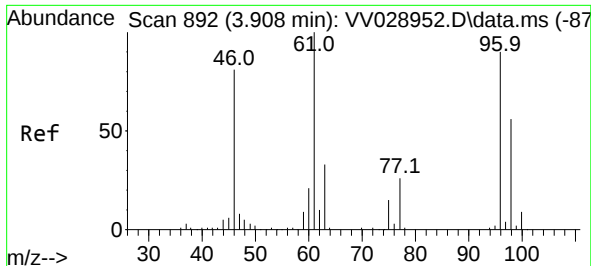
Tgt Ion: 63 Resp: 174587
Ion Ratio Lower Upper
63 100
65 31.4 23.0 42.6
83 13.8 9.4 17.6



#21
2-Butanone
Concen: 42.048 ug/L
RT: 3.973 min Scan# 912
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 43 Resp: 125153
Ion Ratio Lower Upper
43 100
72 33.6 11.9 35.9

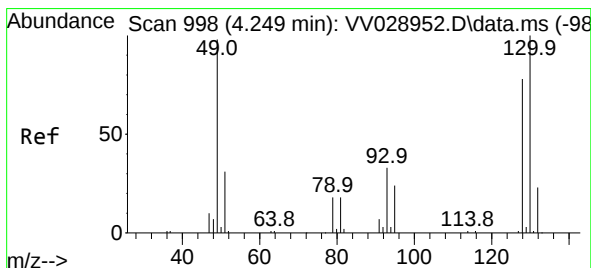
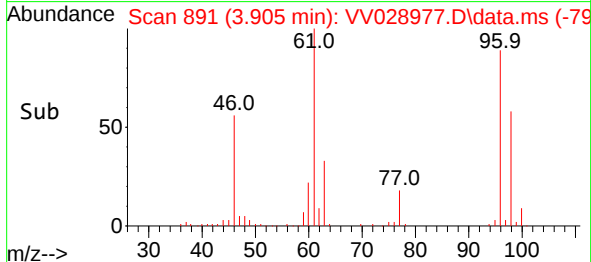
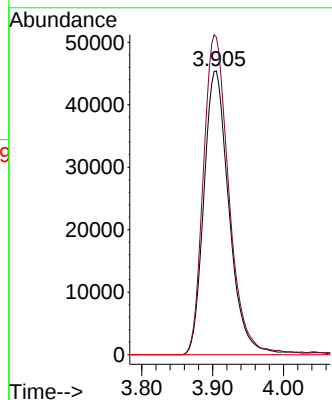
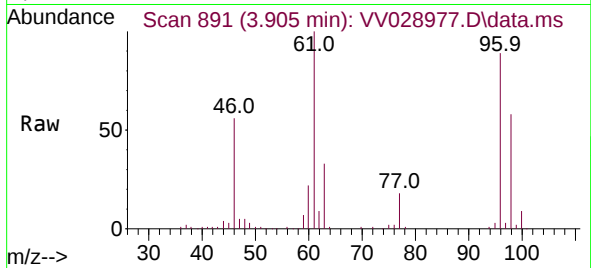




#22
 cis-1,2-Dichloroethene
 Concen: 5.338 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

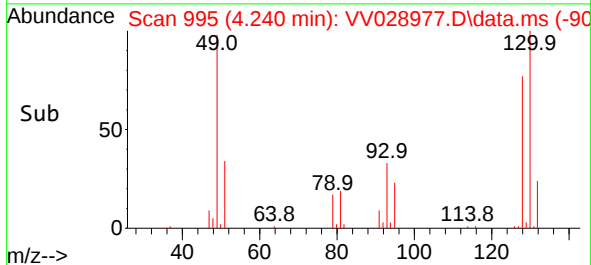
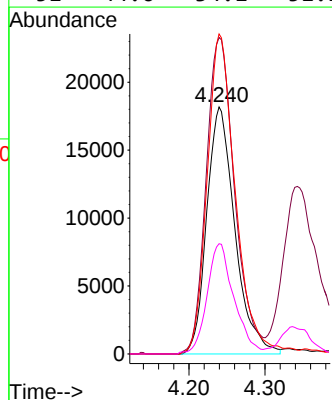
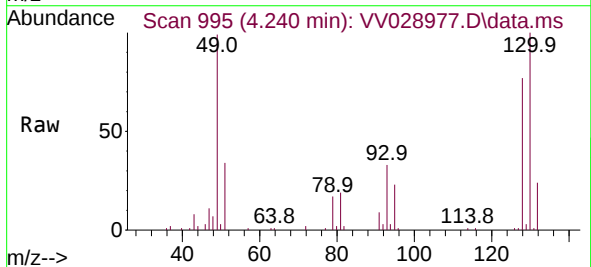
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005347

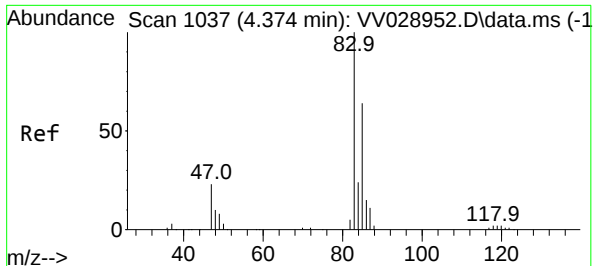
Tgt Ion: 96 Resp: 111588
 Ion Ratio Lower Upper
 96 100
 61 111.9 82.3 152.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.289 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. -0.010 min
 Lab File: VV028977.D
 Acq: 15 Nov 2022 09:59

Tgt Ion: 128 Resp: 46761
 Ion Ratio Lower Upper
 128 100
 49 128.1 89.5 166.1
 130 129.5 84.4 156.8
 51 44.6 34.1 51.1





#25

Chloroform

Concen: 5.294 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.010 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

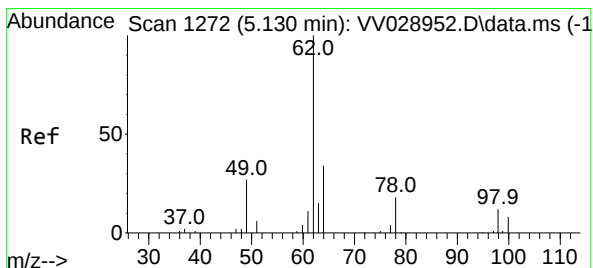
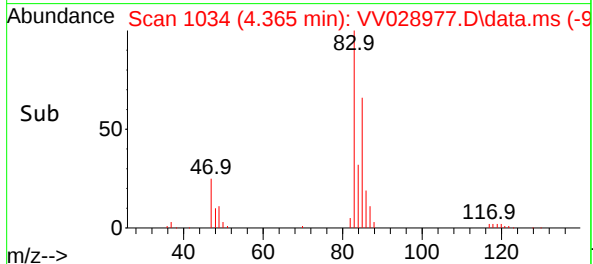
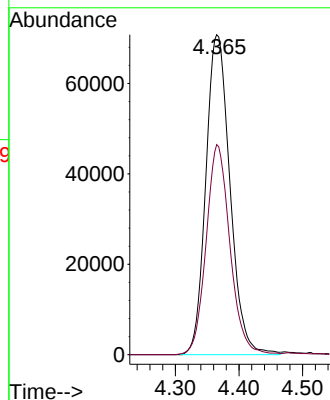
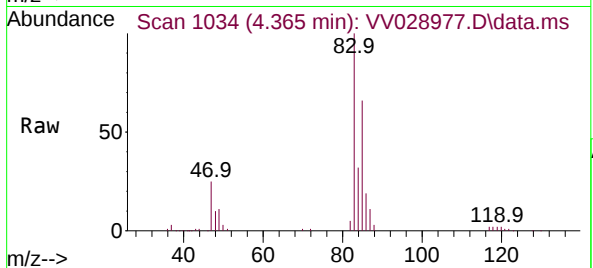
VSTD005347

Tgt Ion: 83 Resp: 186557

Ion Ratio Lower Upper

83 100

85 65.7 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.261 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VV028977.D

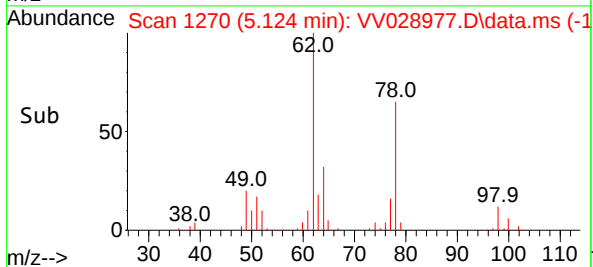
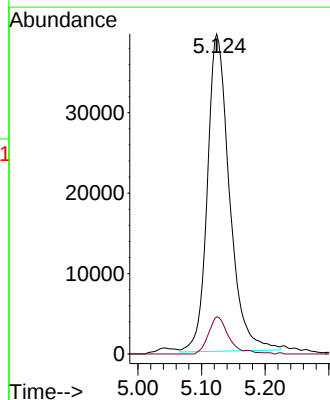
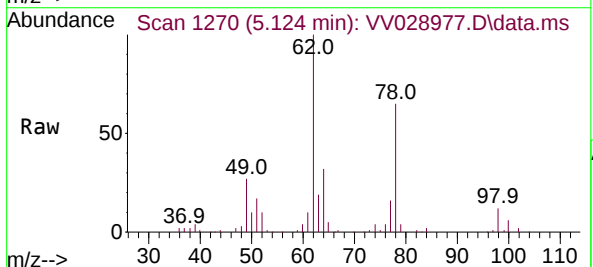
Acq: 15 Nov 2022 09:59

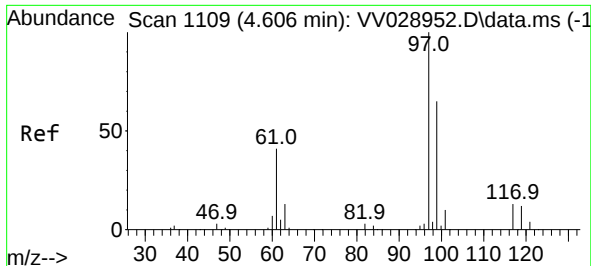
Tgt Ion: 62 Resp: 95484

Ion Ratio Lower Upper

62 100

98 11.6 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 5.163 ug/L

RT: 4.600 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

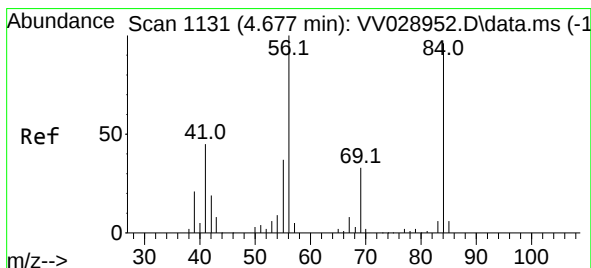
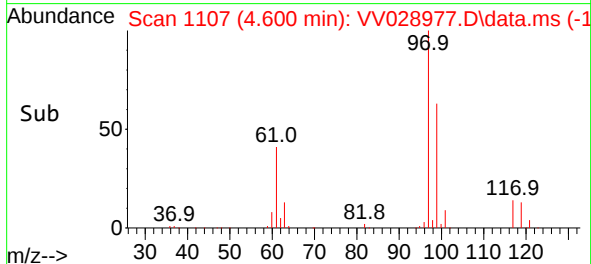
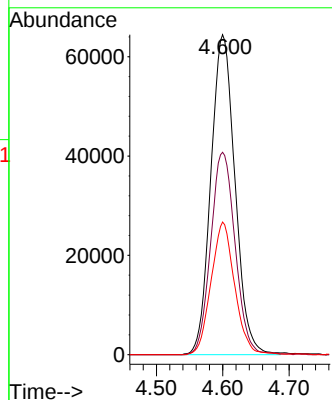
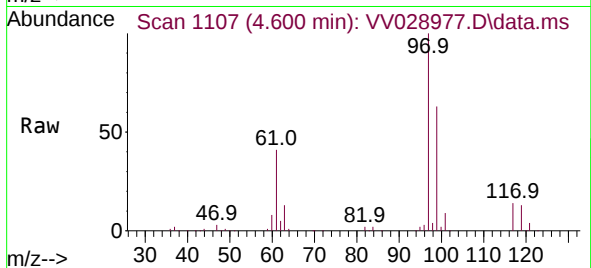
Tgt Ion: 97 Resp: 163203

Ion Ratio Lower Upper

97 100

99 64.0 52.7 79.1

61 40.5 33.8 50.6



#30

Cyclohexane

Concen: 5.072 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

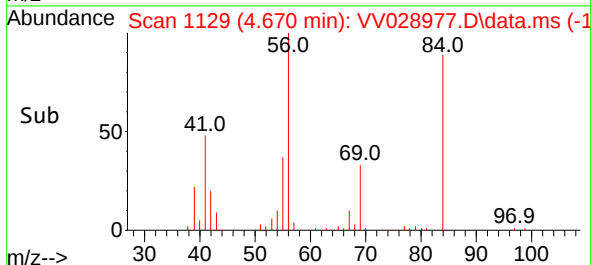
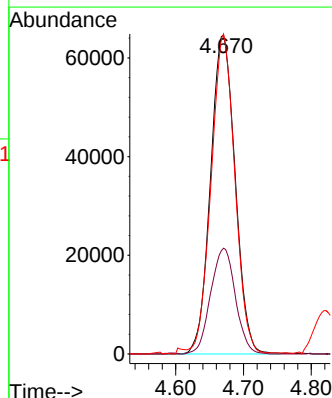
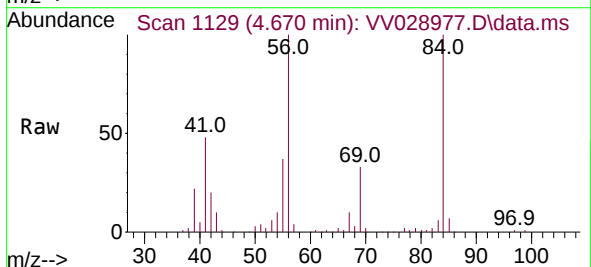
Tgt Ion: 56 Resp: 162952

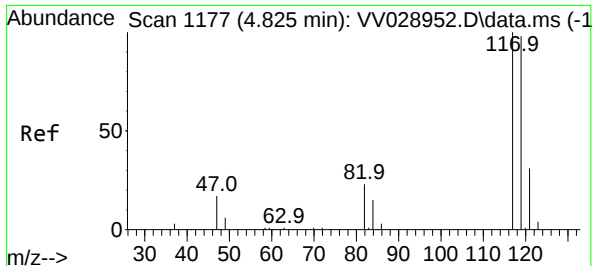
Ion Ratio Lower Upper

56 100

69 33.3 26.1 39.1

84 95.8 77.9 116.9

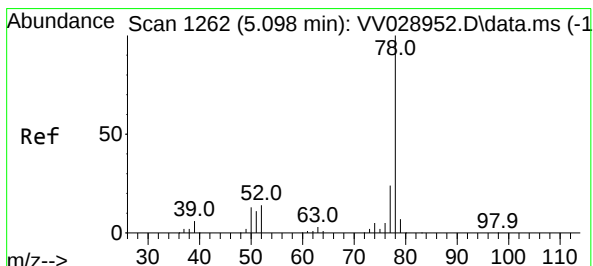
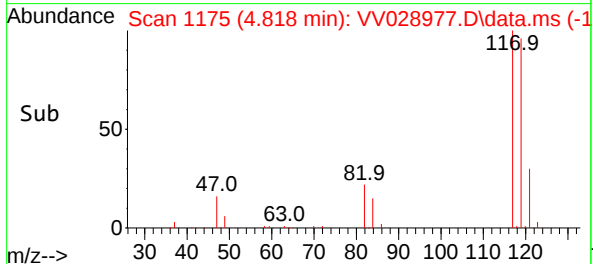
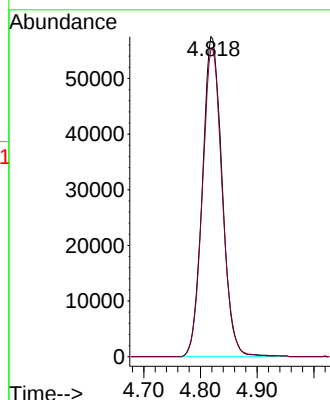
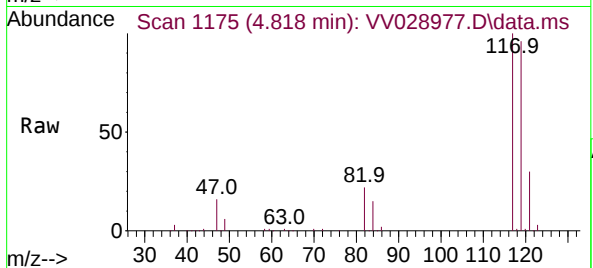




#31
Carbon tetrachloride
Concen: 5.104 ug/L
RT: 4.818 min Scan# 1177
Delta R.T. -0.006 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

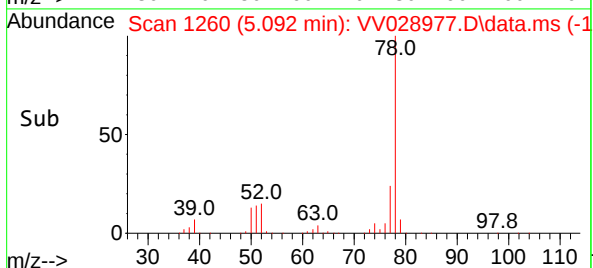
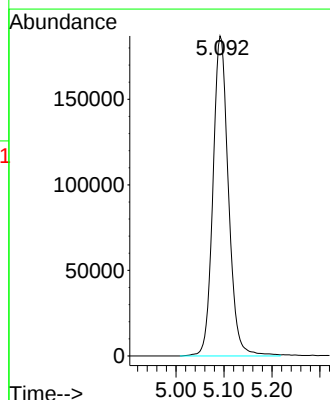
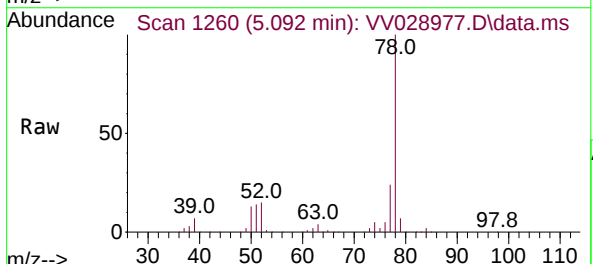
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

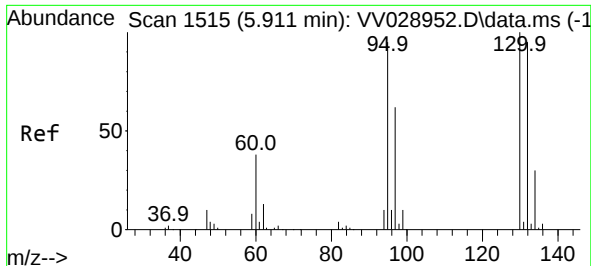
Tgt Ion:117 Resp: 138949
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.6



#33
Benzene
Concen: 5.106 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 78 Resp: 420280

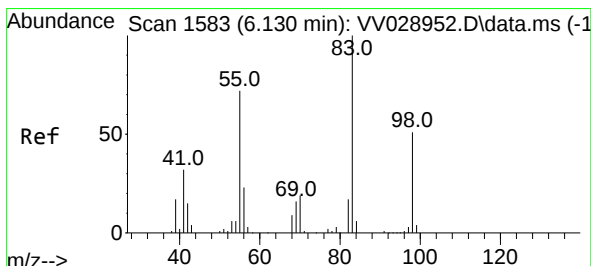
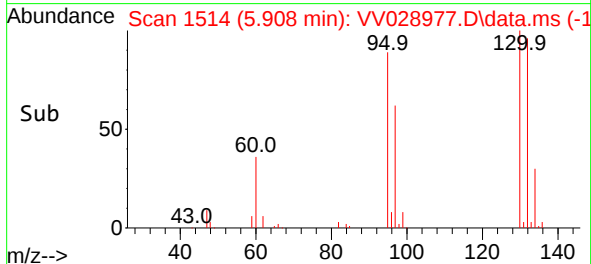
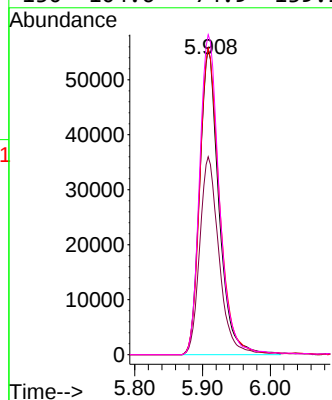
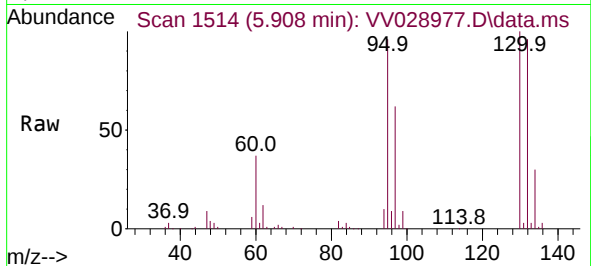




#34
Trichloroethene
Concen: 5.190 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

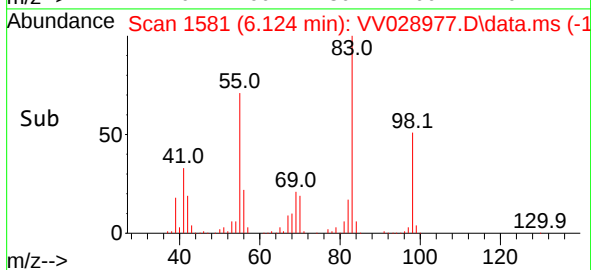
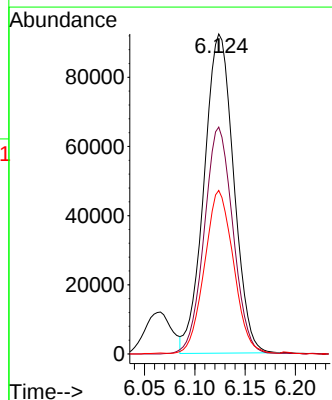
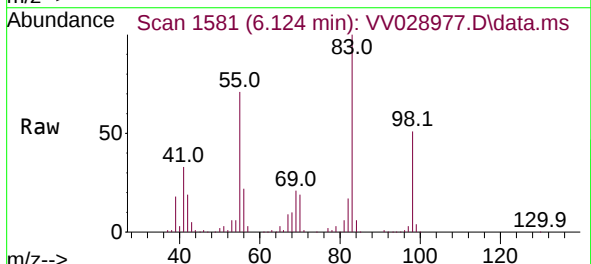
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

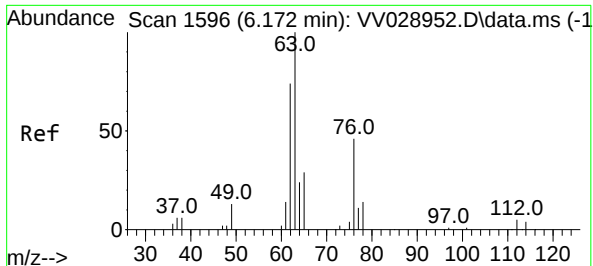
Tgt Ion: 95 Resp: 109387
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 100.1 69.1 128.3
130 104.6 74.9 139.1



#35
Methylcyclohexane
Concen: 5.109 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.006 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 83 Resp: 189212
Ion Ratio Lower Upper
83 100
55 69.3 55.8 83.6
98 49.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 5.089 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

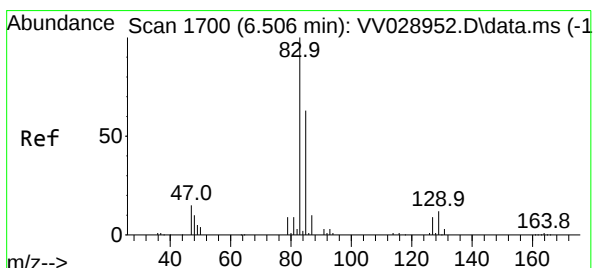
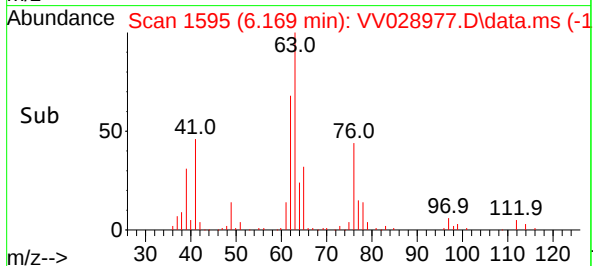
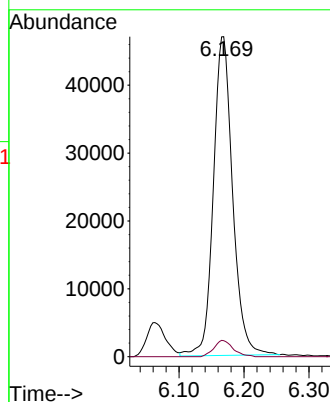
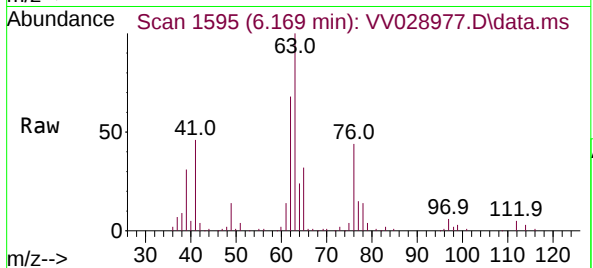
VSTD005347

Tgt Ion: 63 Resp: 96604

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



#38

Bromodichloromethane

Concen: 4.980 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

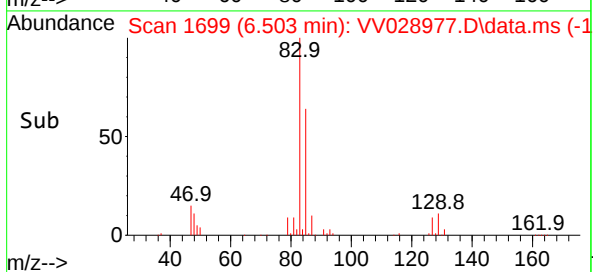
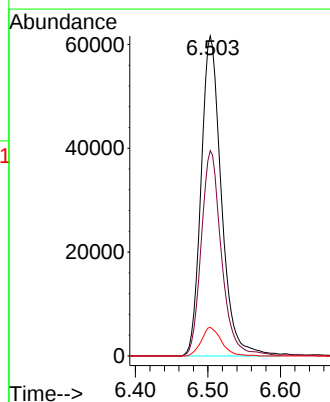
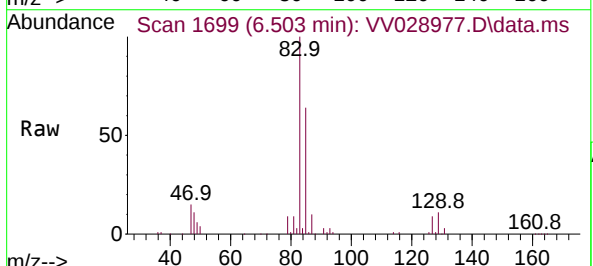
Tgt Ion: 83 Resp: 119727

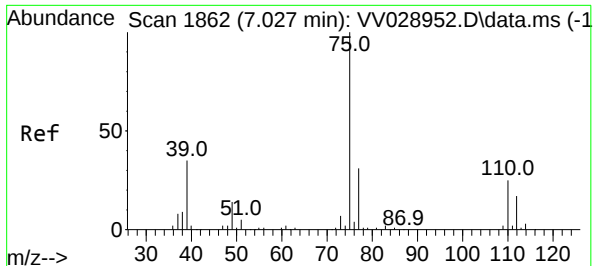
Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.737 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

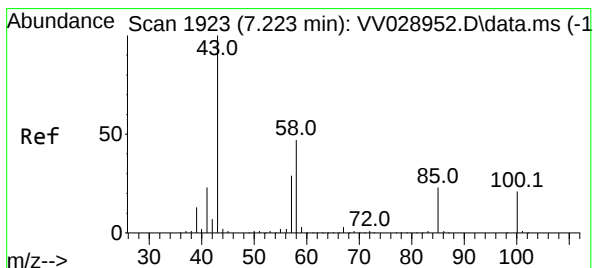
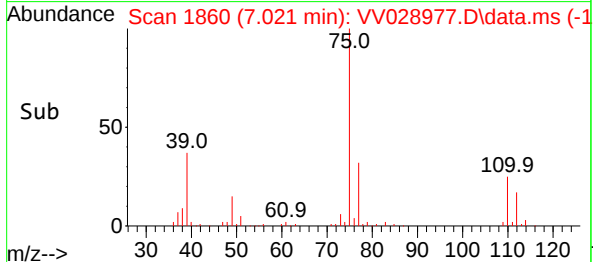
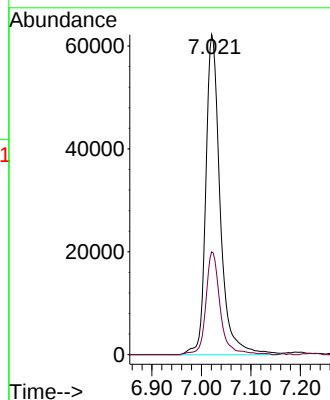
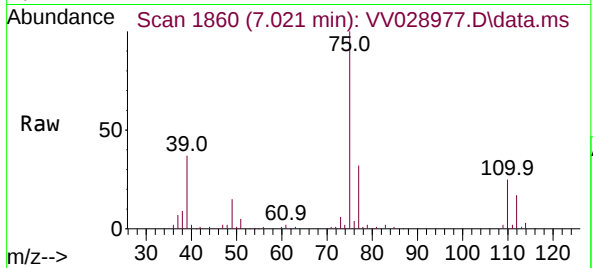
VSTD005347

Tgt Ion: 75 Resp: 125533

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 52.132 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

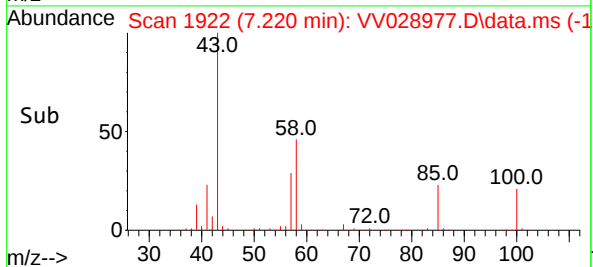
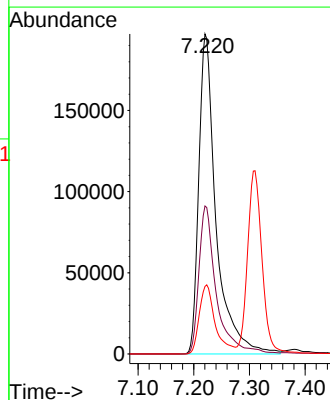
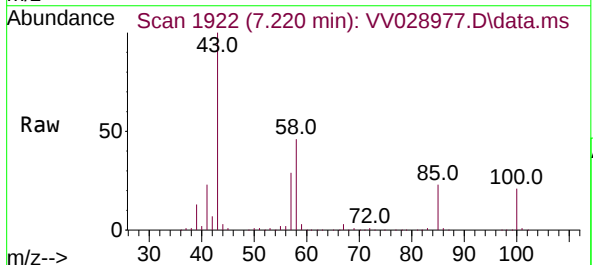
Tgt Ion: 43 Resp: 425782

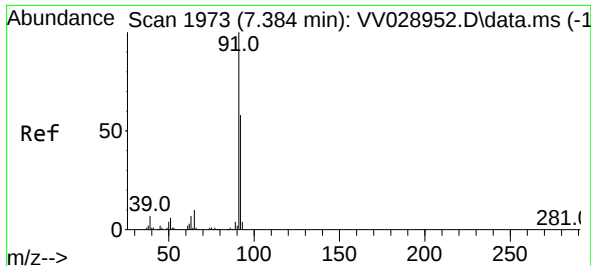
Ion Ratio Lower Upper

43 100

58 46.5 36.6 55.0

100 20.0 14.5 21.7

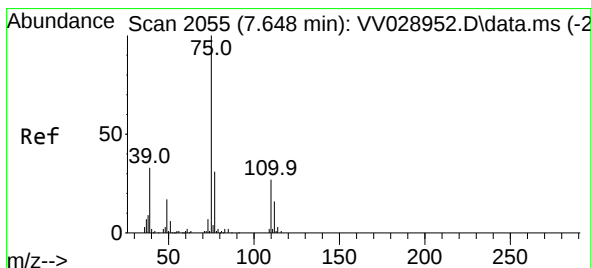
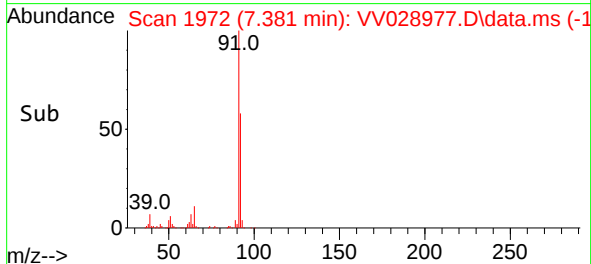
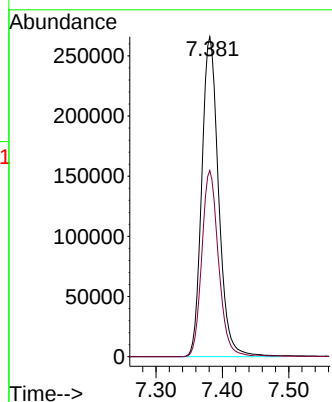
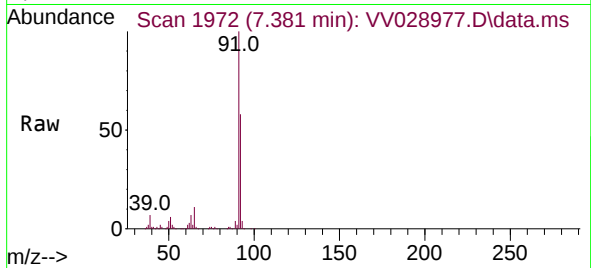




#42
Toluene
Concen: 5.268 ug/L
RT: 7.381 min Scan# 1973
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

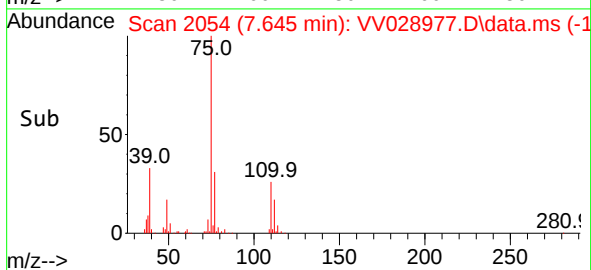
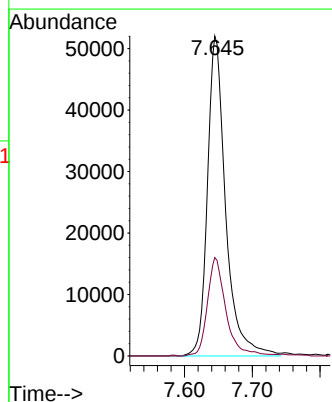
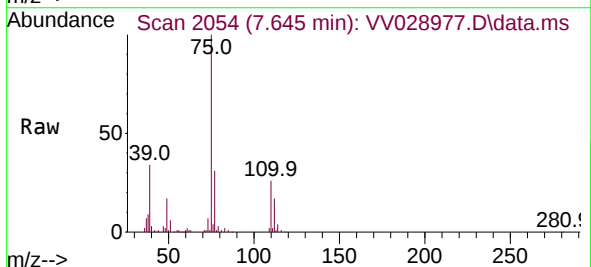
Instrument : MSVOA_V
ClientSampleId : VSTD005347

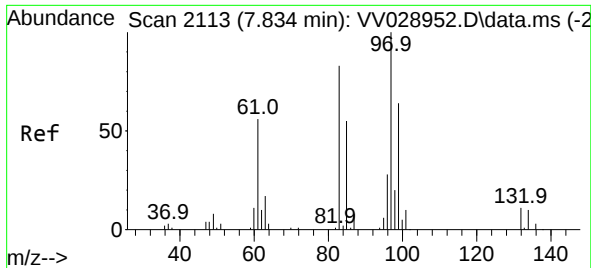
Tgt Ion: 91 Resp: 468529
Ion Ratio Lower Upper
91 100
92 58.2 40.7 75.5



#44
trans-1,3-Dichloropropene
Concen: 4.716 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 75 Resp: 97022
Ion Ratio Lower Upper
75 100
77 30.8 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.457 ug/L

RT: 7.831 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

Tgt Ion: 97 Resp: 67817

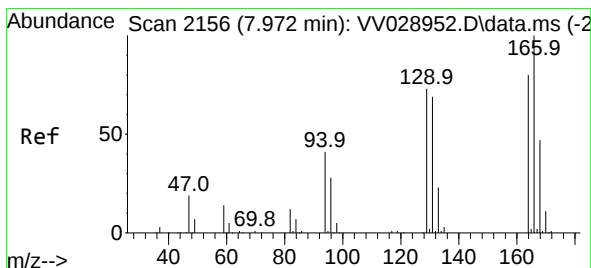
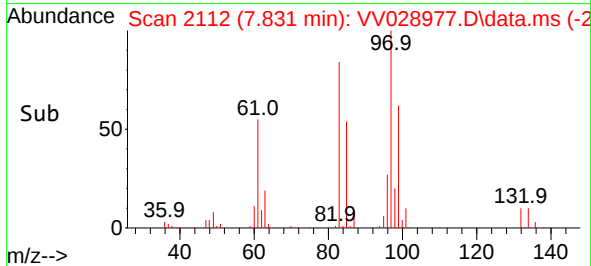
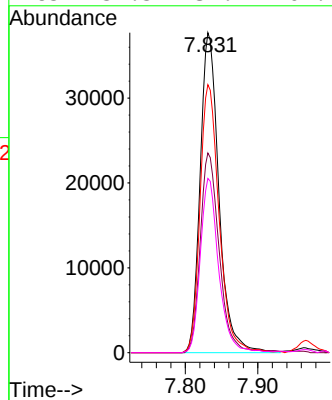
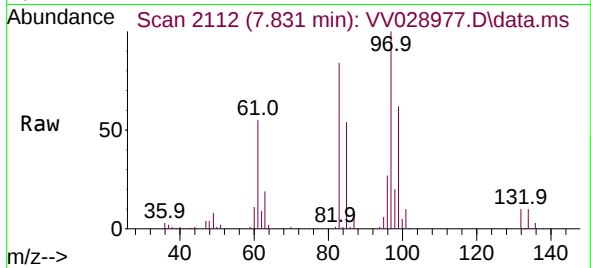
Ion Ratio Lower Upper

97 100

99 62.4 41.5 77.1

83 83.8 60.0 111.4

85 54.5 37.4 69.4



#47

Tetrachloroethene

Concen: 5.599 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Tgt Ion:164 Resp: 94486

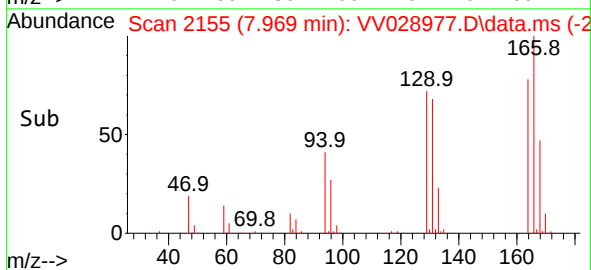
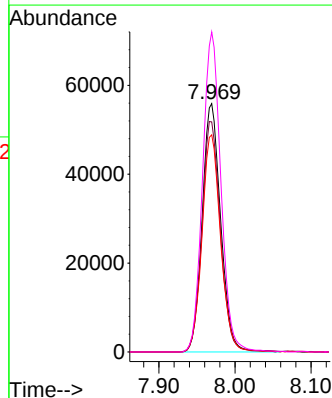
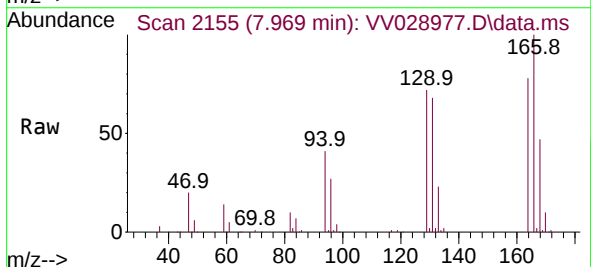
Ion Ratio Lower Upper

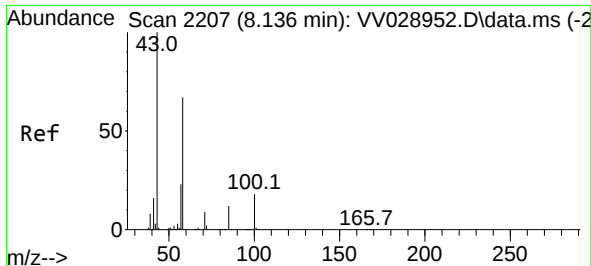
164 100

129 92.7 63.9 118.7

131 87.5 61.8 114.8

166 128.9 90.2 167.4



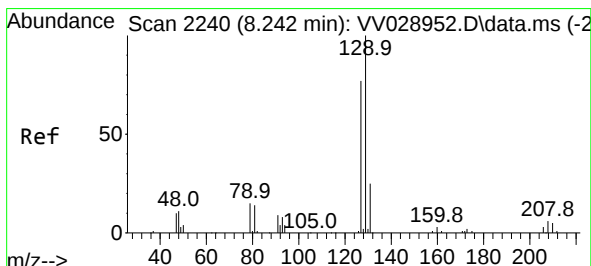
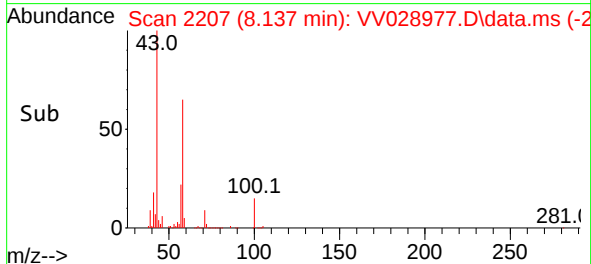
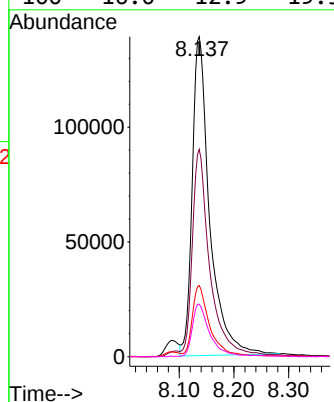
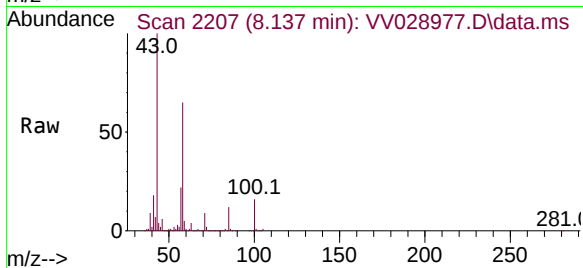


#48
2-Hexanone
Concen: 53.759 ug/L
RT: 8.137 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion: 43 Resp: 307560

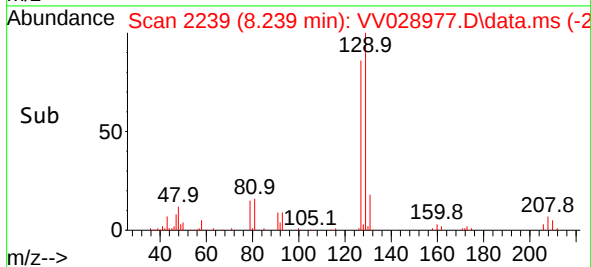
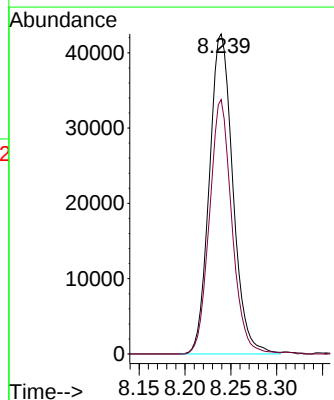
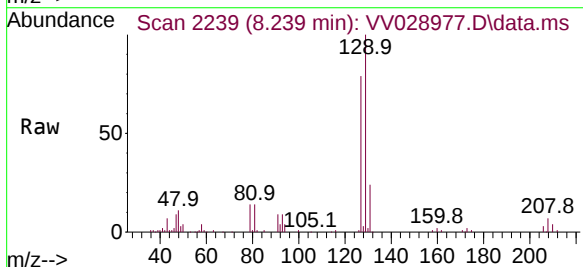
Ion	Ratio	Lower	Upper
43	100		
58	63.4	50.2	75.4
57	21.8	17.8	26.8
100	16.0	12.9	19.3

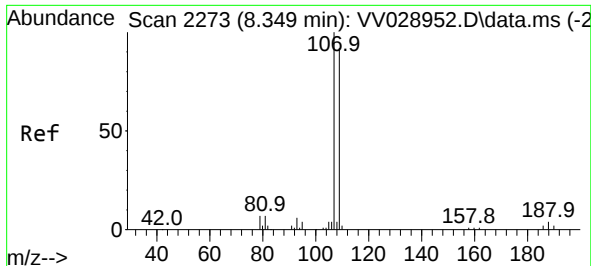


#49
Dibromochloromethane
Concen: 5.054 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 129 Resp: 75931

Ion	Ratio	Lower	Upper
129	100		
127	79.5	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.471 ug/L

RT: 8.346 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

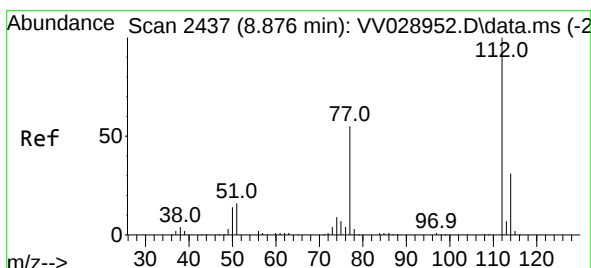
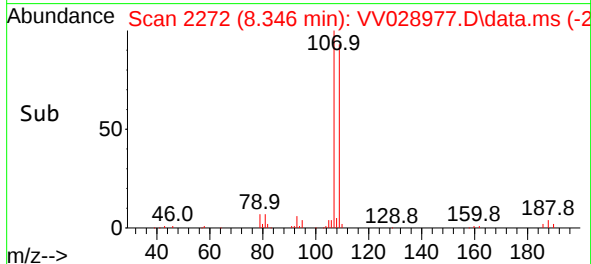
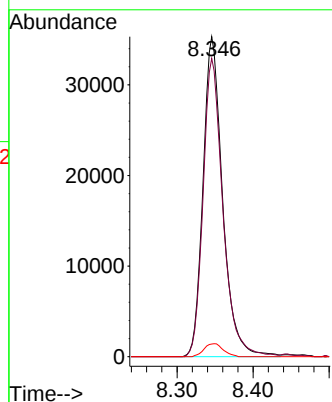
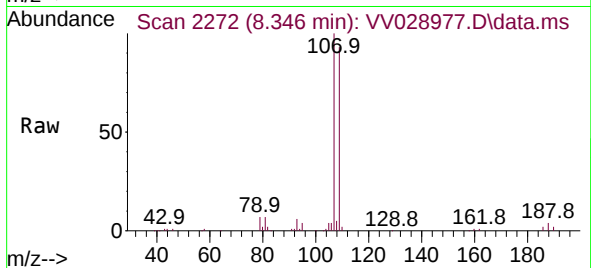
Tgt Ion:107 Resp: 63161

Ion Ratio Lower Upper

107 100

109 93.2 64.4 119.6

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 5.424 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

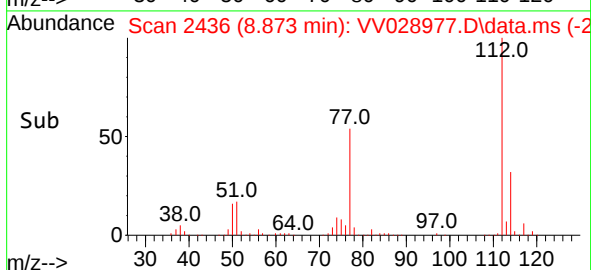
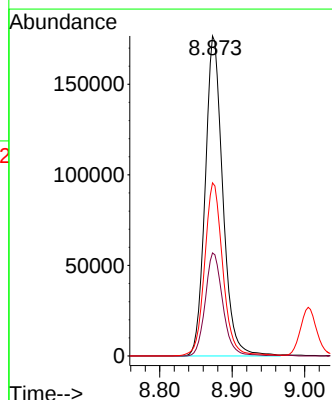
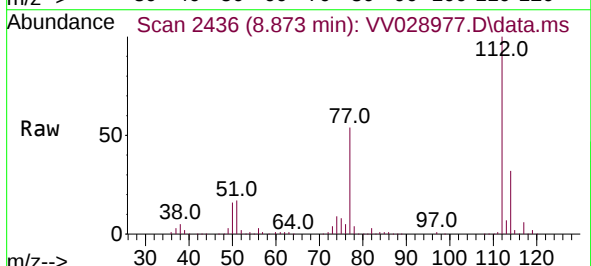
Tgt Ion:112 Resp: 298261

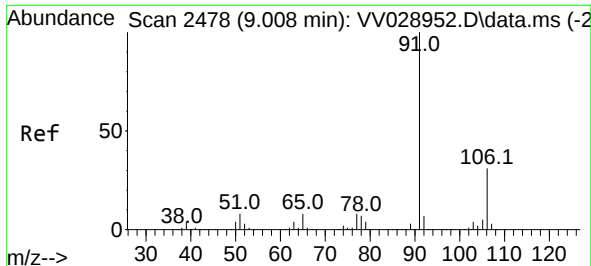
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 54.1 44.4 66.6

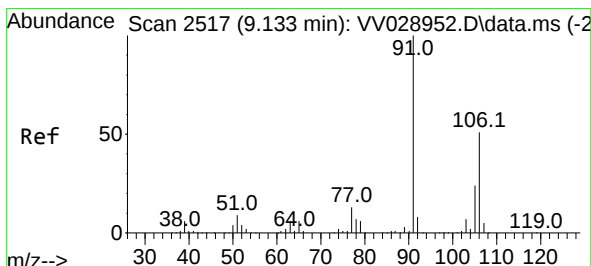
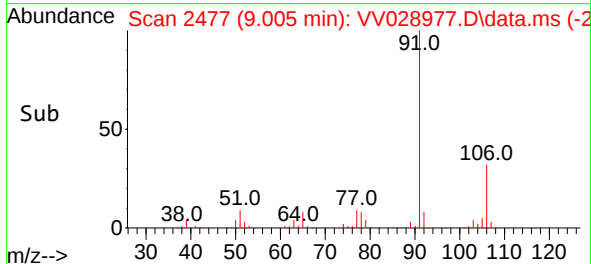
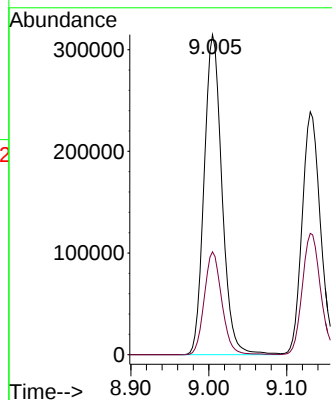
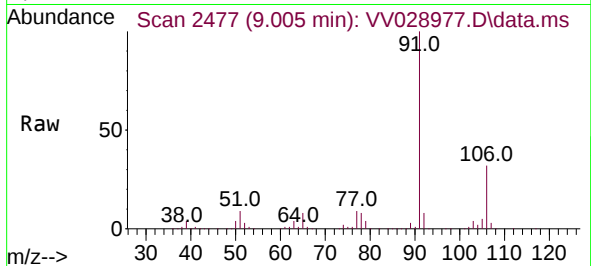




#52
Ethylbenzene
Concen: 5.417 ug/L
RT: 9.005 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

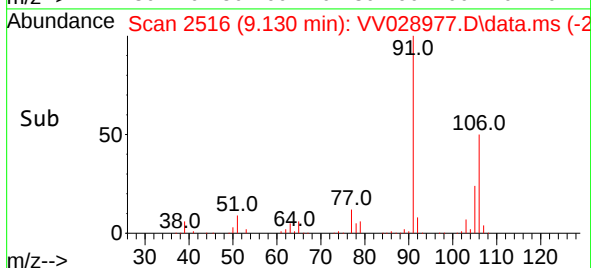
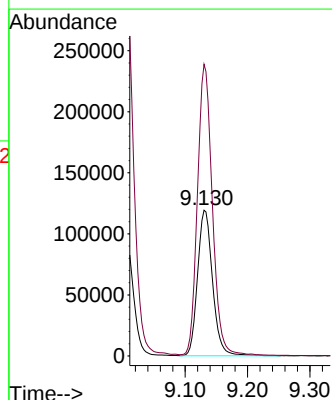
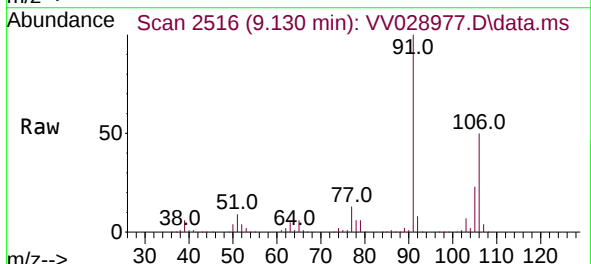
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

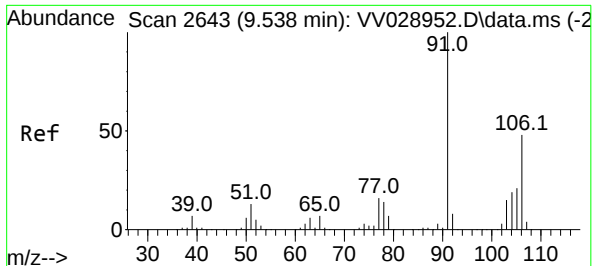
Tgt Ion: 91 Resp: 501573
Ion Ratio Lower Upper
91 100
106 32.2 21.6 40.2



#53
m,p-Xylene
Concen: 5.397 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 106 Resp: 198734
Ion Ratio Lower Upper
106 100
91 200.1 139.1 258.3

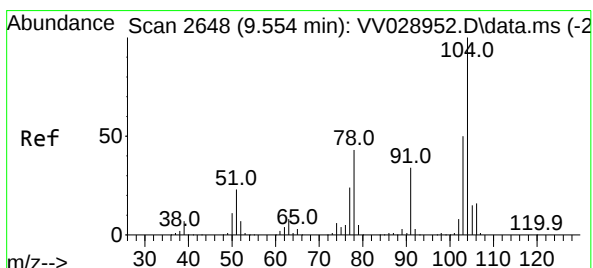
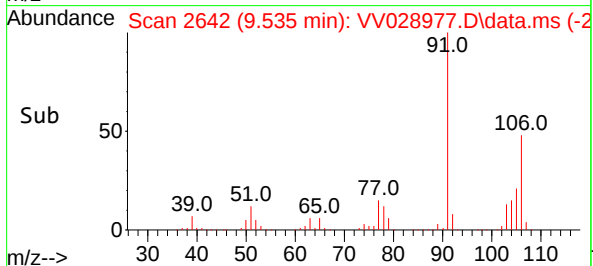
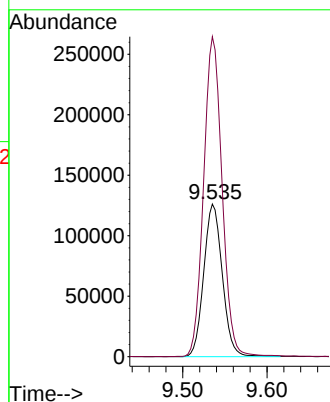
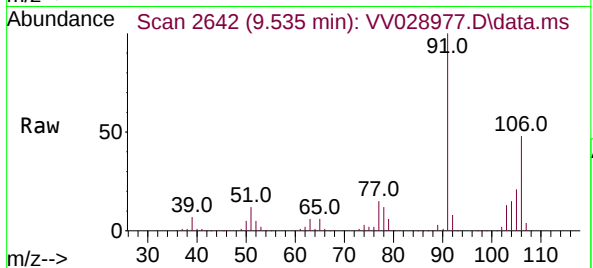




#54
o-Xylene
Concen: 5.536 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

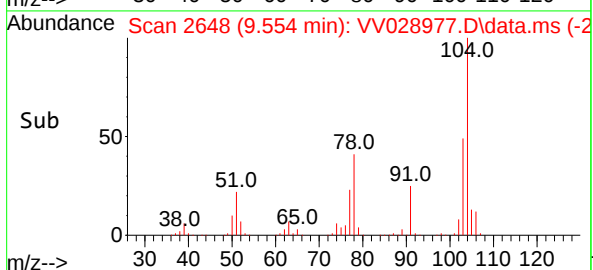
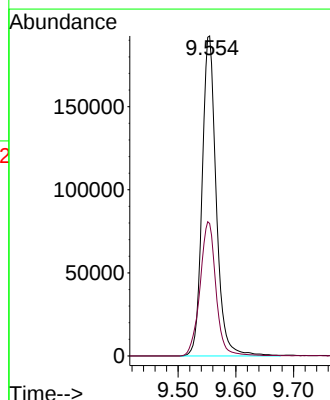
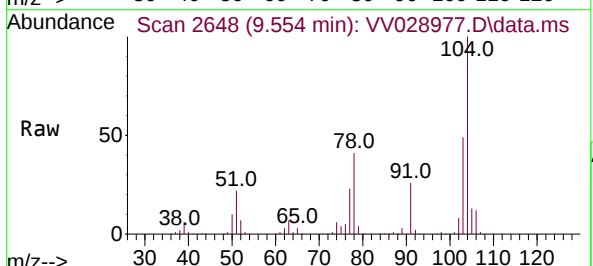
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

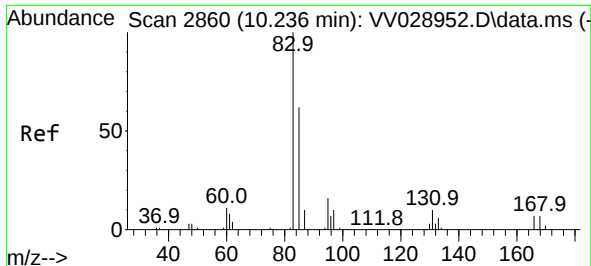
Tgt Ion:106 Resp: 193765
Ion Ratio Lower Upper
106 100
91 209.7 145.7 270.7



#55
Styrene
Concen: 5.563 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.000 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion:104 Resp: 326640
Ion Ratio Lower Upper
104 100
78 41.4 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.338 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

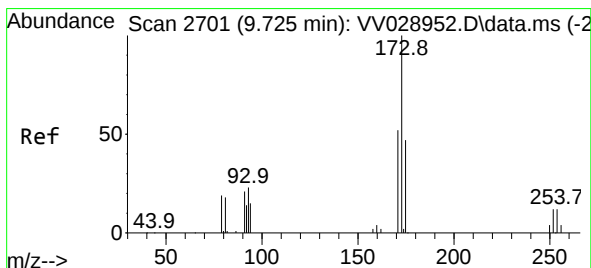
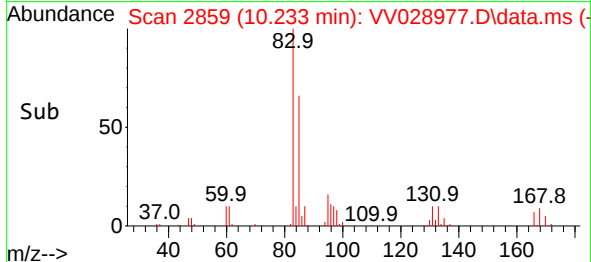
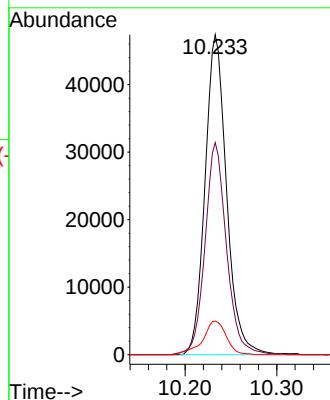
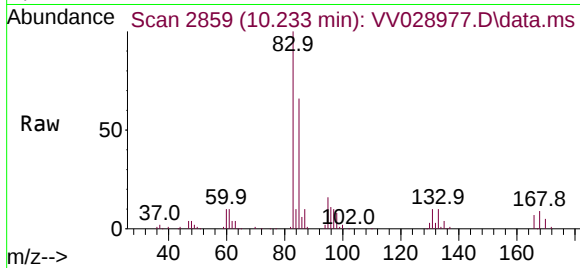
Tgt Ion: 83 Resp: 77312

Ion Ratio Lower Upper

83 100

85 66.2 45.2 84.0

131 10.5 7.5 11.3



#59

Bromoform

Concen: 4.893 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

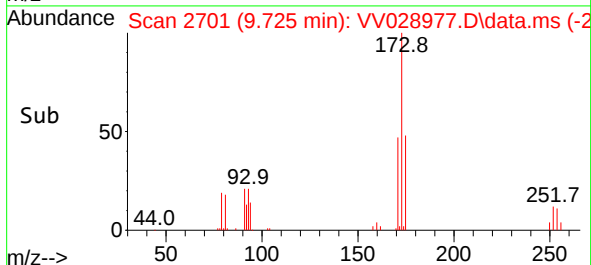
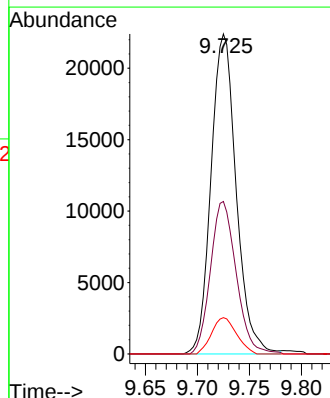
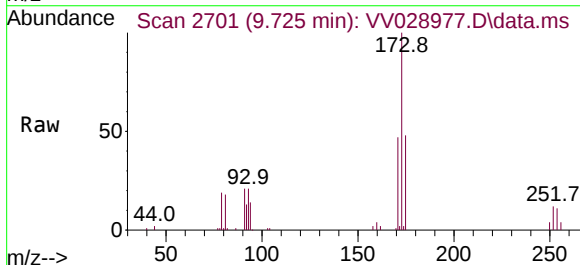
Tgt Ion: 173 Resp: 37720

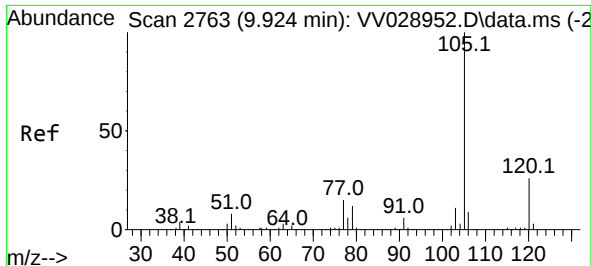
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

254 11.2 8.5 12.7

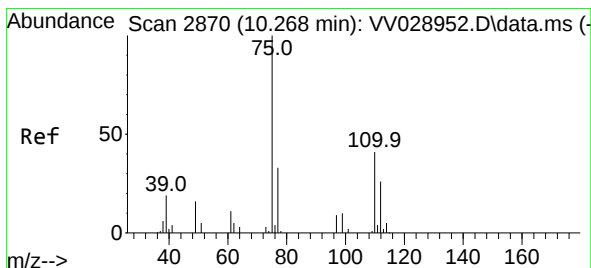
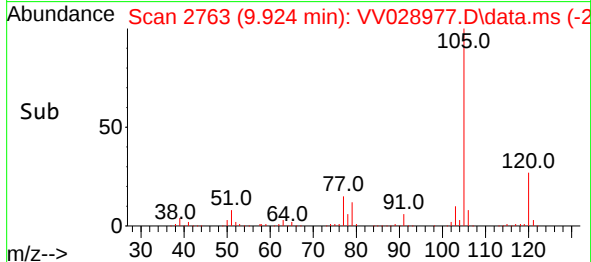
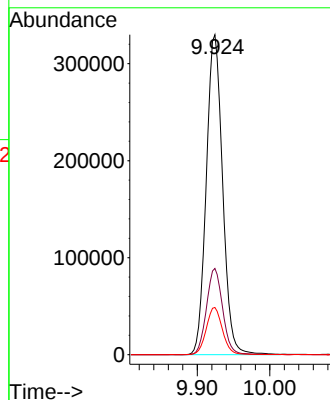
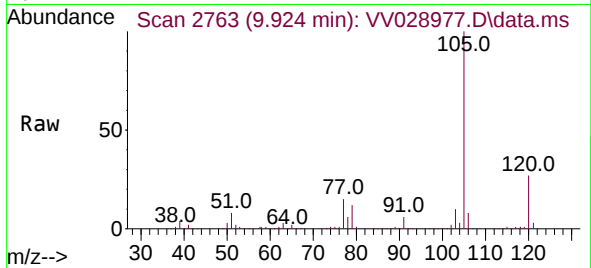




#60
Isopropylbenzene
Concen: 5.625 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

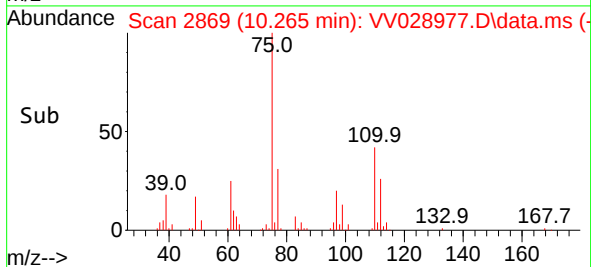
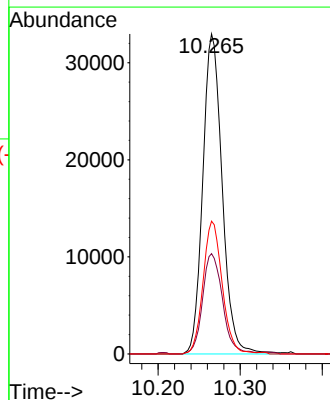
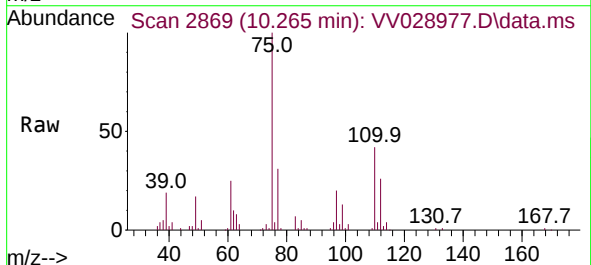
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

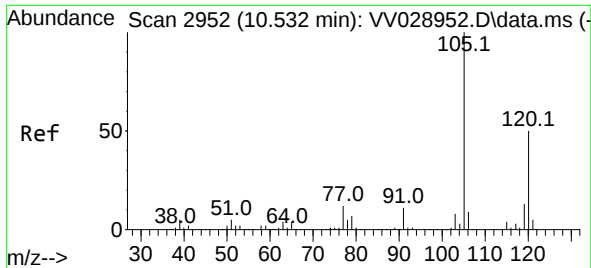
Tgt Ion:105 Resp: 516326
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 14.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.608 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion: 75 Resp: 54191
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 40.9 32.6 48.8

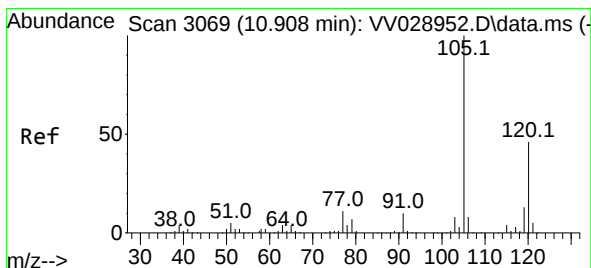
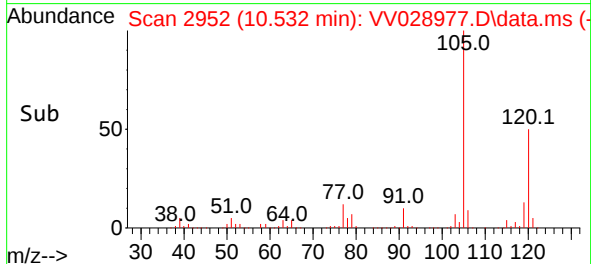
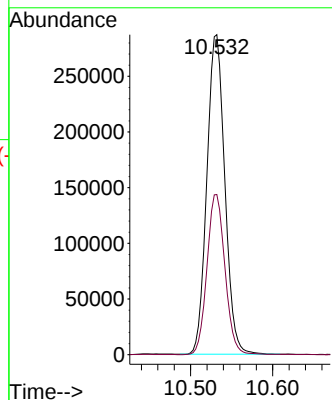
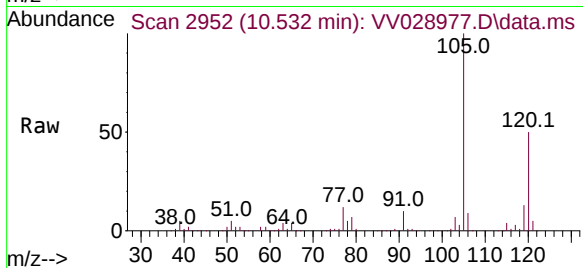




#62
1,3,5-Trimethylbenzene
Concen: 5.614 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

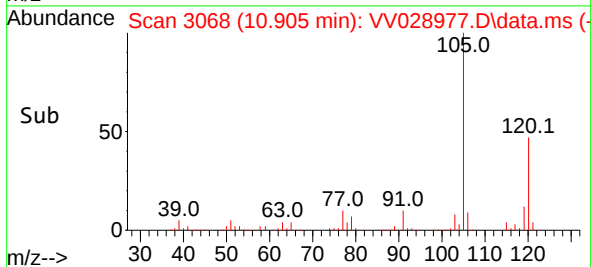
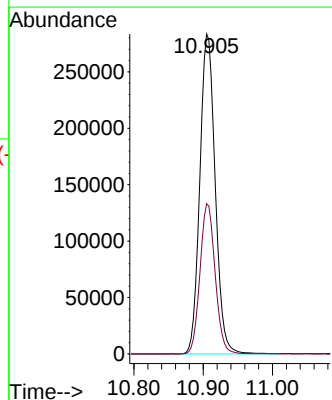
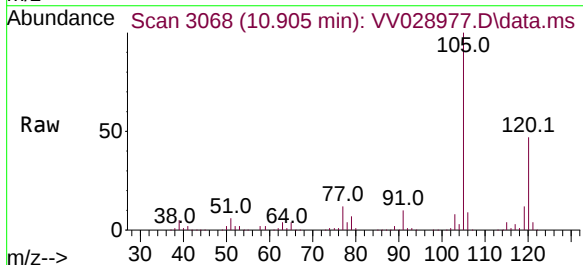
Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

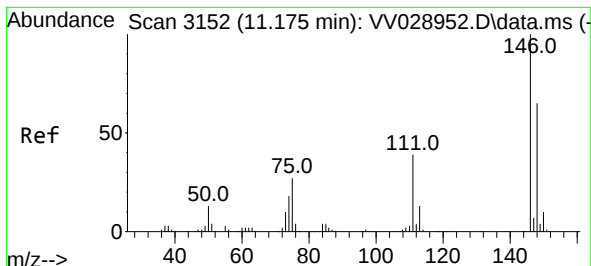
Tgt Ion:105 Resp: 436542
Ion Ratio Lower Upper
105 100
120 50.3 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 5.618 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion:105 Resp: 437569
Ion Ratio Lower Upper
105 100
120 46.2 37.8 56.8





#64

1,3-Dichlorobenzene

Concen: 5.500 ug/L

RT: 11.172 min Scan# 3152

Delta R.T. -0.003 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

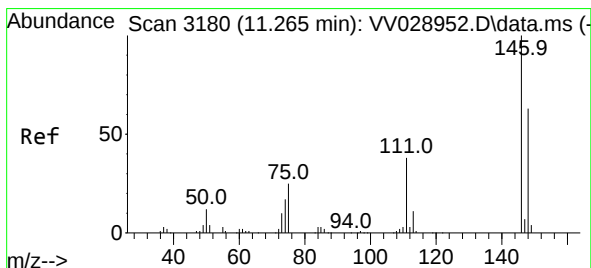
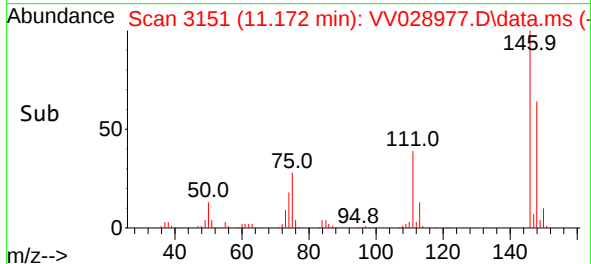
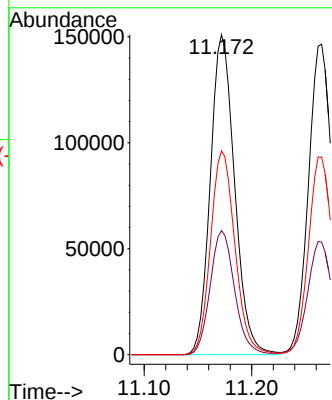
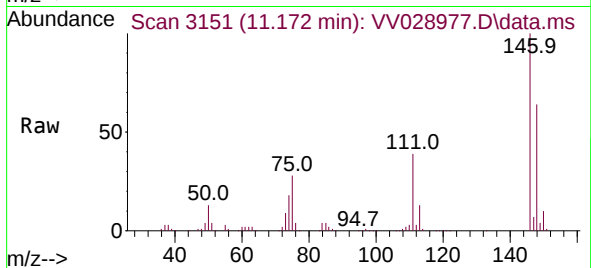
Tgt Ion:146 Resp: 237219

Ion Ratio Lower Upper

146 100

111 38.7 26.9 50.1

148 63.7 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 5.429 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

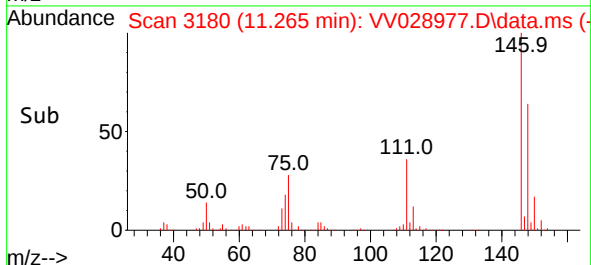
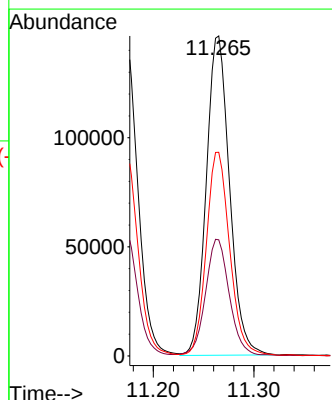
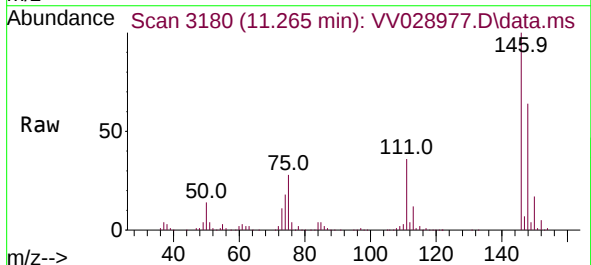
Tgt Ion:146 Resp: 235377

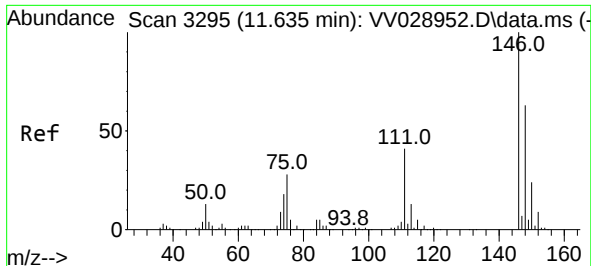
Ion Ratio Lower Upper

146 100

111 36.3 26.5 49.3

148 63.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.392 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

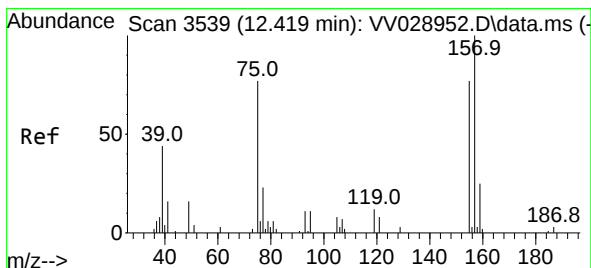
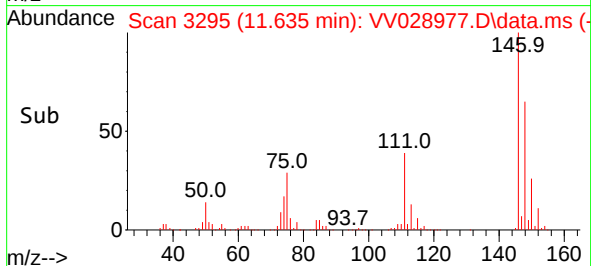
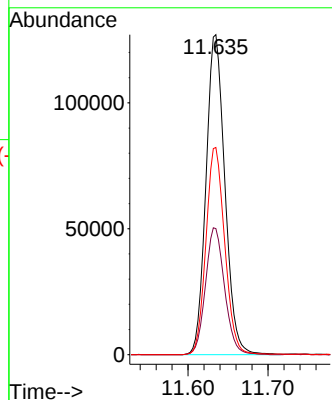
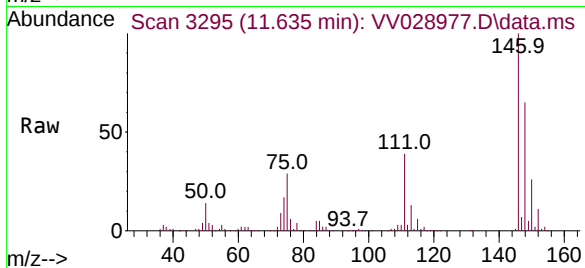
Tgt Ion:146 Resp: 208943

Ion Ratio Lower Upper

146 100

111 39.4 32.4 48.6

148 64.7 49.4 74.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.557 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

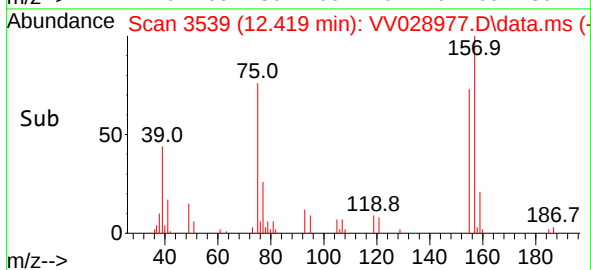
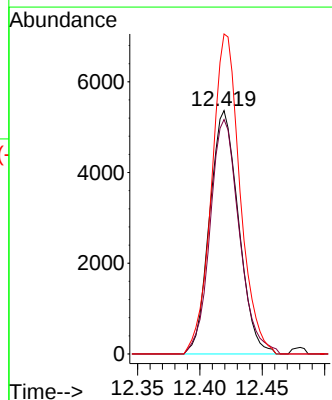
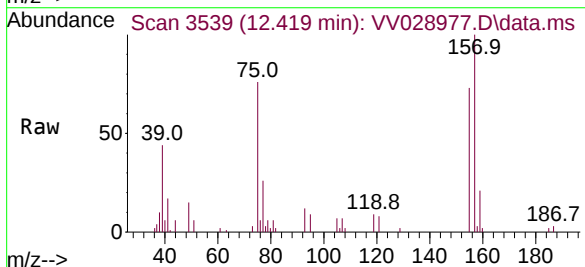
Tgt Ion: 75 Resp: 8664

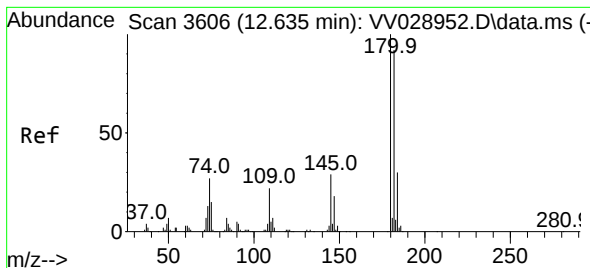
Ion Ratio Lower Upper

75 100

155 96.3 64.8 97.2

157 131.5 86.3 129.5#





#69

1,3,5-Trichlorobenzene

Concen: 5.554 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005347

Tgt Ion:180 Resp: 184809

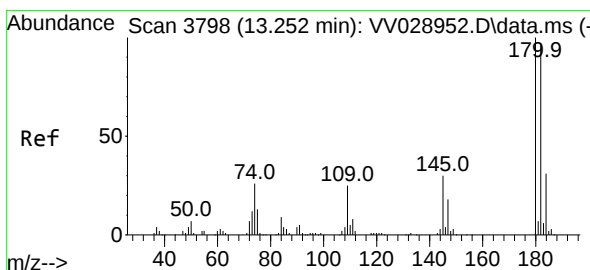
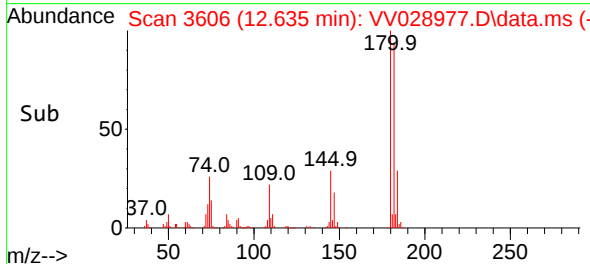
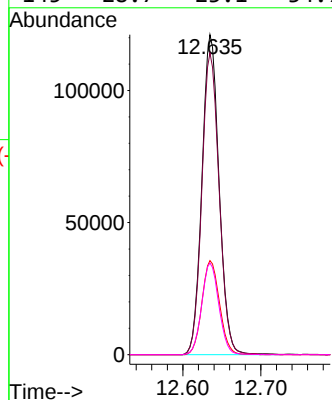
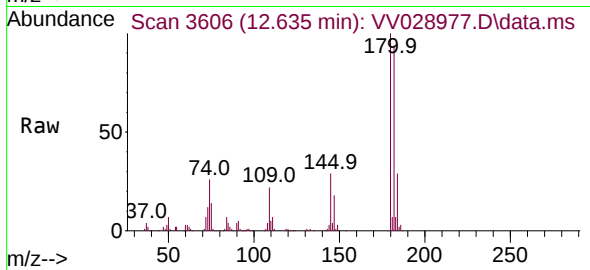
Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

184 30.2 24.0 36.0

145 28.7 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 5.621 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.000 min

Lab File: VV028977.D

Acq: 15 Nov 2022 09:59

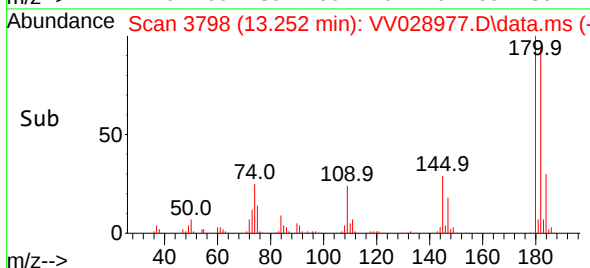
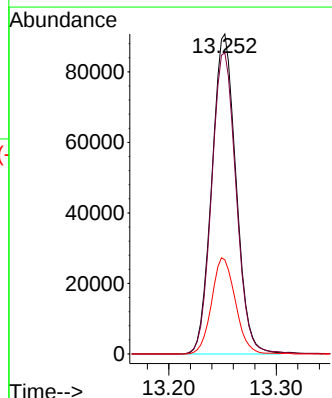
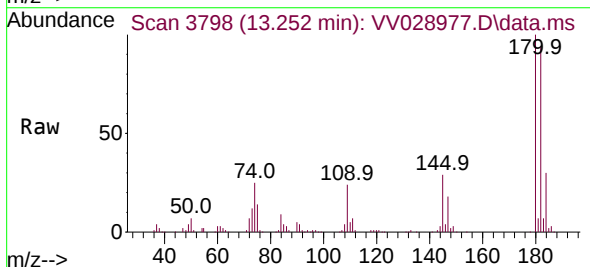
Tgt Ion:180 Resp: 141474

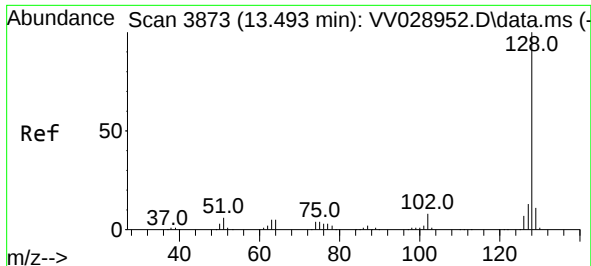
Ion Ratio Lower Upper

180 100

182 95.7 74.3 111.5

145 29.5 23.7 35.5

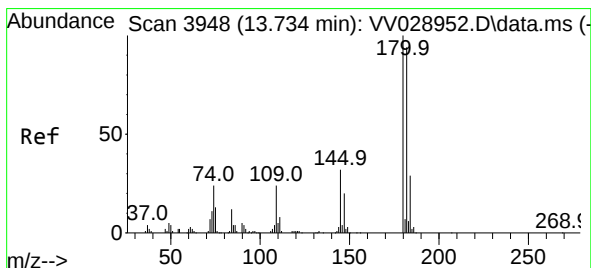
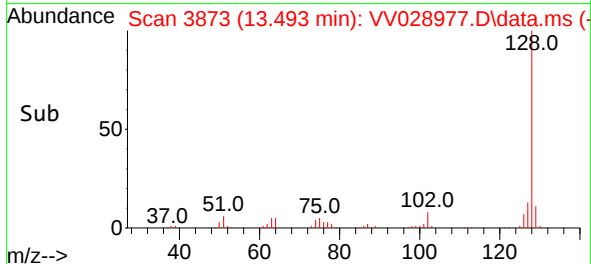
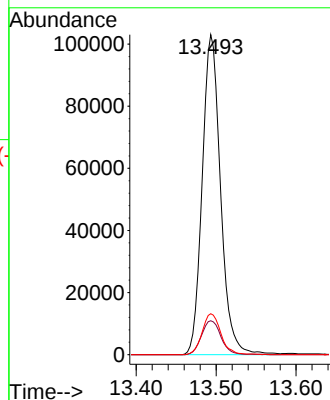
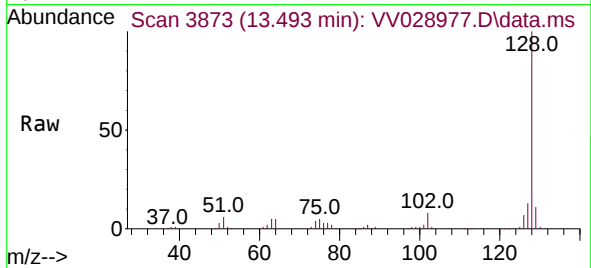




#71
Naphthalene
Concen: 5.079 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD005347

Tgt Ion:128 Resp: 164941
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.1 9.8 14.8



#72
1,2,3-Trichlorobenzene
Concen: 5.547 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. -0.003 min
Lab File: VV028977.D
Acq: 15 Nov 2022 09:59

Tgt Ion:180 Resp: 118241
Ion Ratio Lower Upper
180 100
182 94.2 75.4 113.2
145 30.5 24.9 37.3

