

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029212.D
 Acq On : 20 Nov 2022 08:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

Quant Time: Nov 21 00:25:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	330930	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	306967	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	161959	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	111973	5.550	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.000%
7) Chloroethane-d5	1.568	69	85831	4.839	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.108	63	183332	4.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	3.899	46	203366	60.217	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.440%
24) Chloroform-d	4.343	84	194811	4.703	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.027	65	87504	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.047	84	405955	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.063	67	116696	4.561	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.310	98	371704	4.507	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.619	79	36529	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.085	63	175673	49.320	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.640%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	83515	4.708	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	134788	4.652	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	119900	4.346	ug/L	97
3) Chloromethane	1.240	50	114419	4.997	ug/L	100
5) Vinyl chloride	1.311	62	124419	4.764	ug/L	93
6) Bromomethane	1.523	94	66883	4.285	ug/L	99
8) Chloroethane	1.584	64	77062	5.022	ug/L	94
9) Trichlorofluoromethane	1.751	101	175811	4.993	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	99327	4.982	ug/L	100
12) 1,1-Dichloroethene	2.118	96	100406	5.012	ug/L	98
13) Acetone	2.195	43	123272	56.743	ug/L	85
14) Carbon disulfide	2.291	76	283276	3.982	ug/L	100
15) Methyl Acetate	2.439	43	31529	5.980	ug/L	98
16) Methylene chloride	2.503	84	115164	4.446	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	221034	5.146	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	109859	4.728	ug/L	98
19) 1,1-Dichloroethane	3.185	63	191828	5.050	ug/L	99
21) 2-Butanone	3.979	43	198344	58.970	ug/L	90
22) cis-1,2-Dichloroethene	3.909	96	120556	5.104	ug/L	100
23) Bromochloromethane	4.243	128	50921	5.097	ug/L	94
25) Chloroform	4.368	83	201476	5.060	ug/L	99

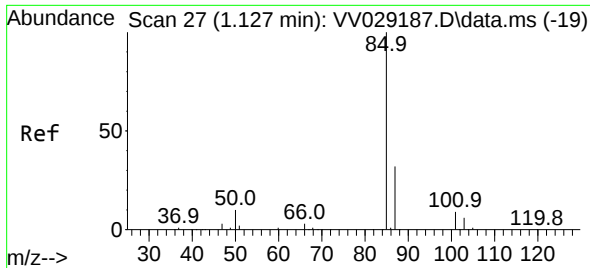
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	107316	5.233	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	169738	4.712	ug/L	98
30) Cyclohexane	4.674	56	166416	4.546	ug/L	99
31) Carbon tetrachloride	4.825	117	138223	4.456	ug/L	99
33) Benzene	5.095	78	452562	4.825	ug/L	100
34) Trichloroethene	5.908	95	115343	4.803	ug/L	98
35) Methylcyclohexane	6.127	83	181734	4.306	ug/L	98
37) 1,2-Dichloropropane	6.169	63	103094	4.766	ug/L	99
38) Bromodichloromethane	6.507	83	123587	4.511	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	131391	4.351	ug/L	99
40) 4-Methyl-2-pentanone	7.224	43	513645	55.190	ug/L	98
42) Toluene	7.381	91	493721	4.872	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	102628	4.378	ug/L	97
45) 1,1,2-Trichloroethane	7.834	97	74837	5.285	ug/L	96
47) Tetrachloroethene	7.969	164	93034	4.838	ug/L	99
48) 2-Hexanone	8.137	43	364399	55.895	ug/L	99
49) Dibromochloromethane	8.240	129	77743	4.541	ug/L	98
50) 1,2-Dibromoethane	8.346	107	68428	5.202	ug/L	97
51) Chlorobenzene	8.876	112	310200	4.951	ug/L	99
52) Ethylbenzene	9.005	91	514758	4.879	ug/L	100
53) m,p-Xylene	9.130	106	204107	4.864	ug/L	100
54) o-Xylene	9.535	106	200883	5.036	ug/L	100
55) Styrene	9.555	104	340890	5.095	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	89547	5.426	ug/L	97
59) Bromoform	9.725	173	38458	4.356	ug/L	99
60) Isopropylbenzene	9.924	105	526793	5.011	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	58918	5.323	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	440921	4.951	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	444223	4.980	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	246502	4.991	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	242489	4.883	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	223227	5.030	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	9603	4.410	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.635	180	171596	4.503	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	124250	4.311	ug/L	96
71) Naphthalene	13.493	128	150610	4.050	ug/L	98
72) 1,2,3-Trichlorobenzene	13.735	180	108452	4.442	ug/L	99

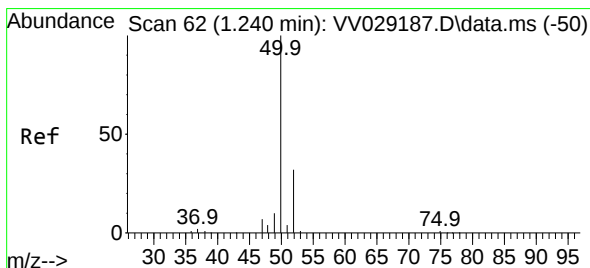
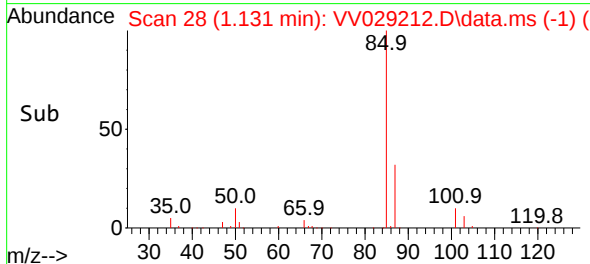
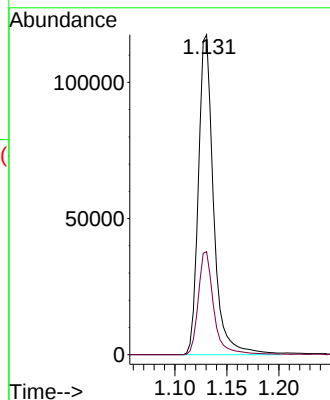
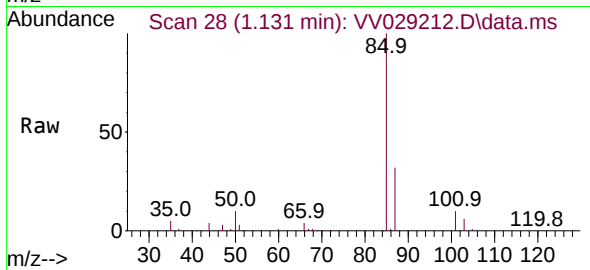
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.346 ug/L
 RT: 1.131 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

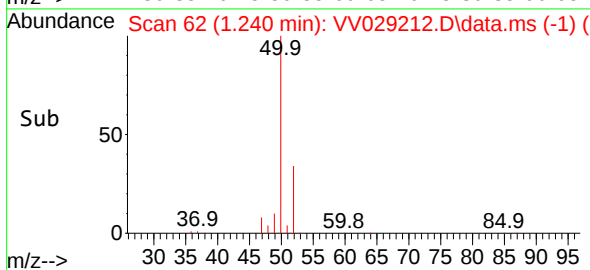
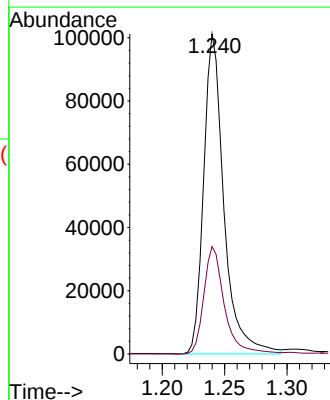
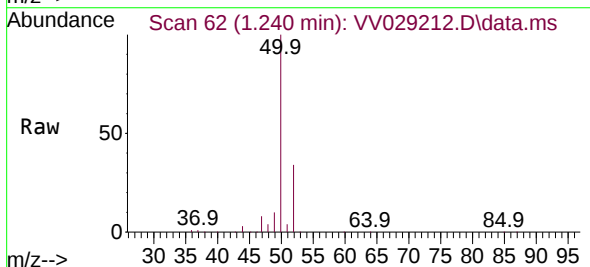
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

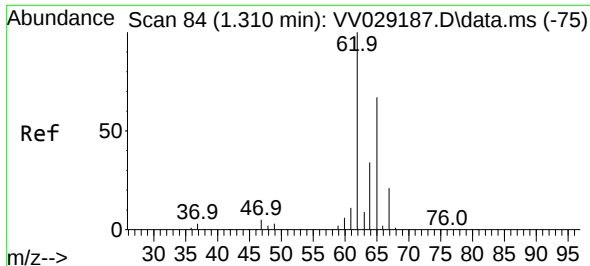
Tgt Ion: 85 Resp: 119900
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.0 37.4



#3
 Chloromethane
 Concen: 4.997 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

Tgt Ion: 50 Resp: 114419
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.7 43.9

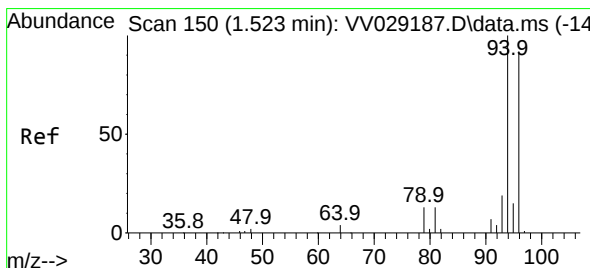
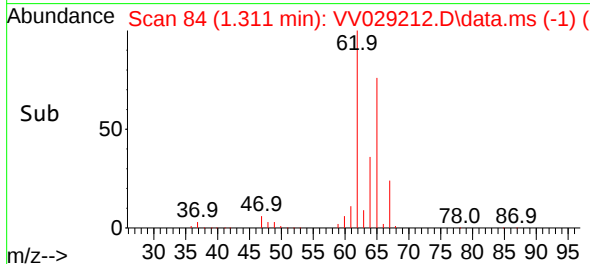
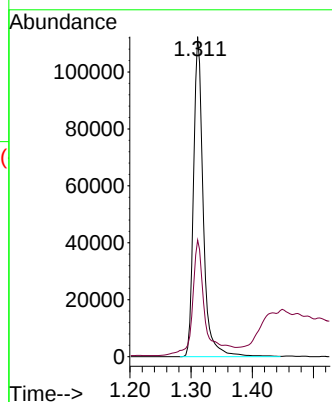
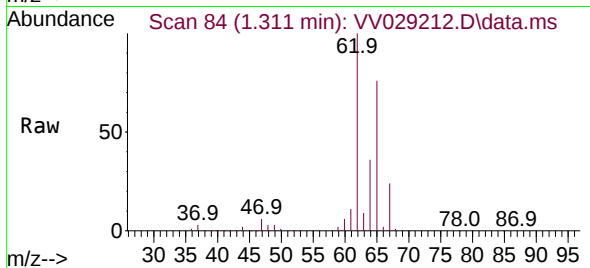




#5
 Vinyl chloride
 Concen: 4.764 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

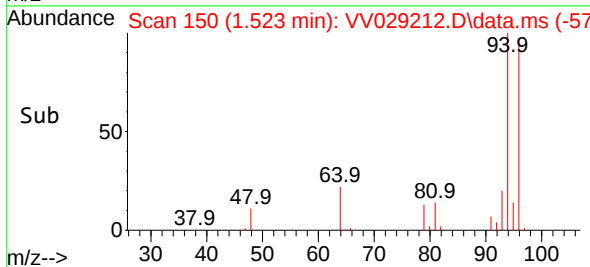
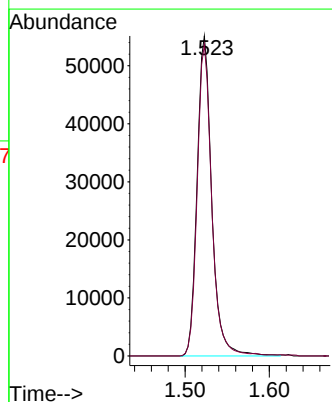
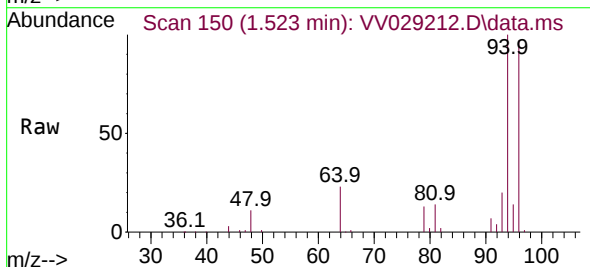
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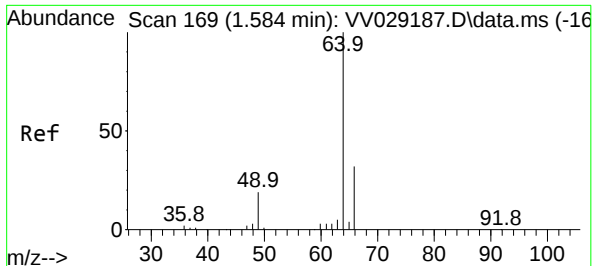
Tgt Ion: 62 Resp: 124419
 Ion Ratio Lower Upper
 62 100
 64 36.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.285 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

Tgt Ion: 94 Resp: 66883
 Ion Ratio Lower Upper
 94 100
 96 97.3 68.5 127.3

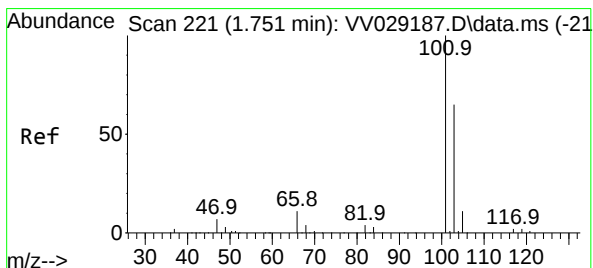
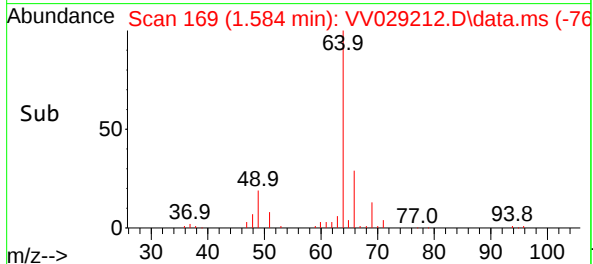
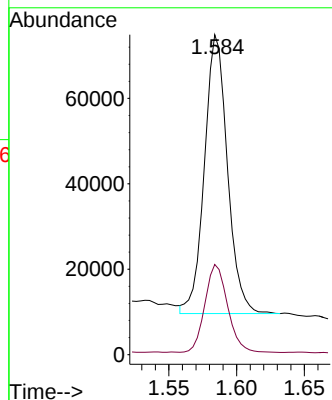
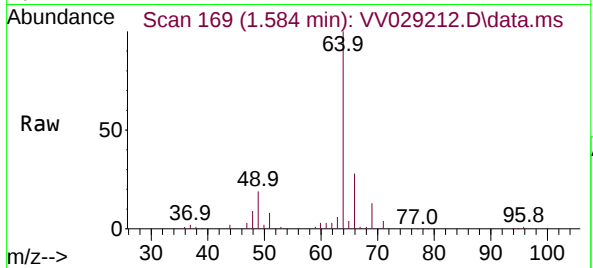




#8
Chloroethane
Concen: 5.022 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

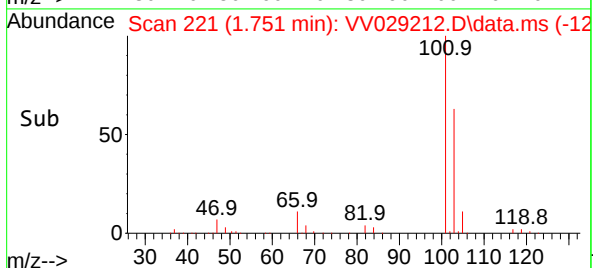
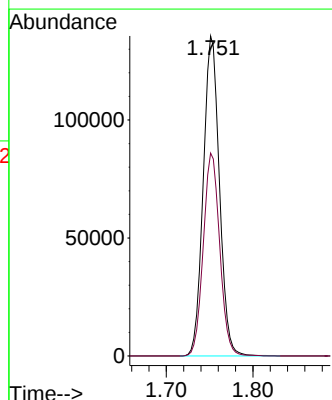
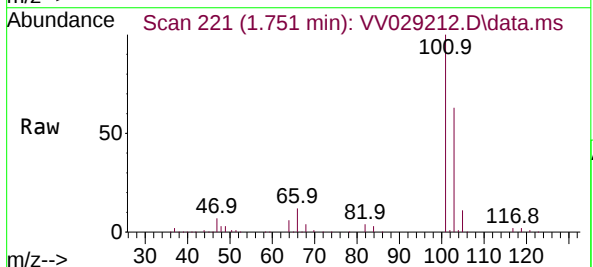
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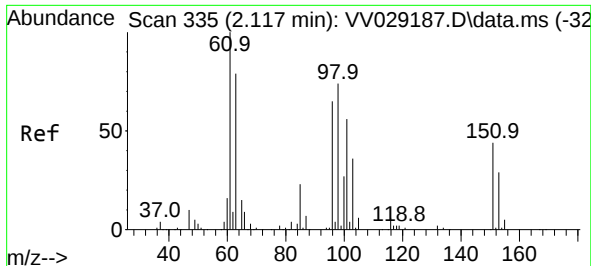
Tgt Ion: 64 Resp: 77062
Ion Ratio Lower Upper
64 100
66 28.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.993 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion:101 Resp: 175811
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9

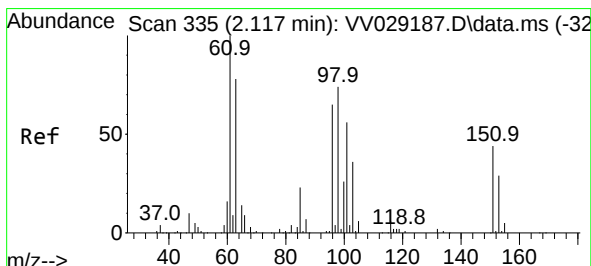
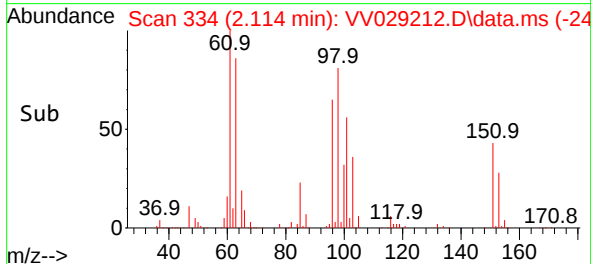
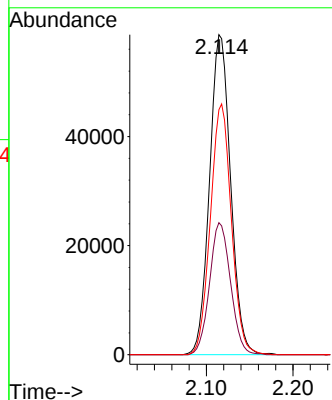
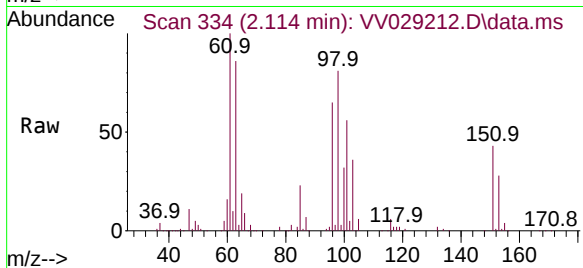




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.982 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

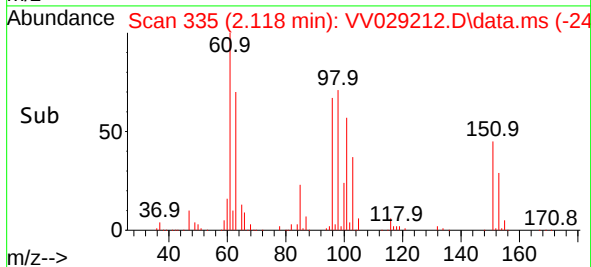
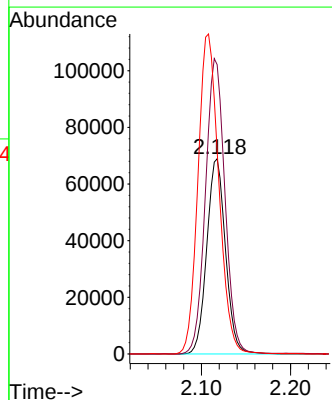
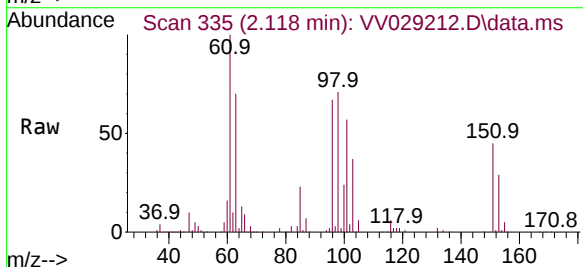
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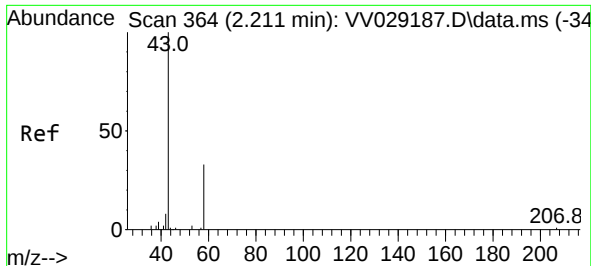
Tgt Ion:101 Resp: 99327
 Ion Ratio Lower Upper
 101 100
 85 41.0 32.9 49.3
 151 77.9 62.5 93.7



#12
 1,1-Dichloroethene
 Concen: 5.012 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

Tgt Ion: 96 Resp: 100406
 Ion Ratio Lower Upper
 96 100
 61 148.2 104.2 193.4
 63 103.9 75.9 140.9





#13

Acetone

Concen: 56.743 ug/L

RT: 2.195 min Scan# 3

Delta R.T. -0.016 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

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MSVOA_V

ClientSampleId :

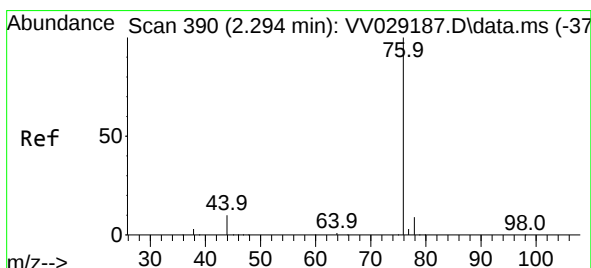
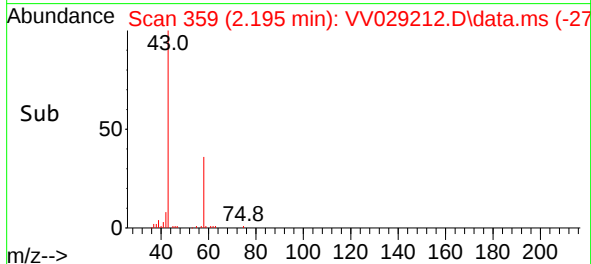
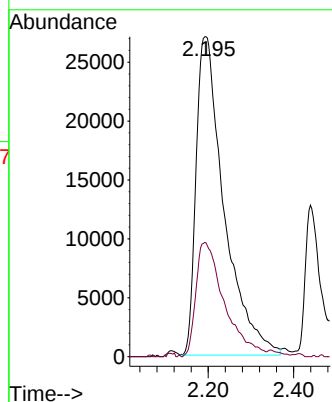
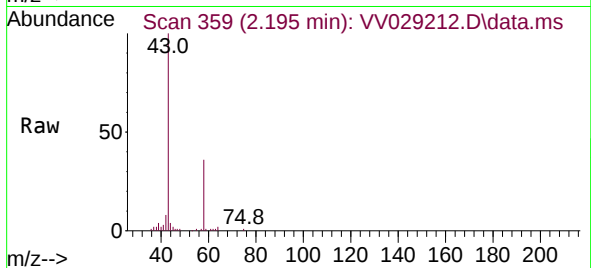
VSTD005360

Tgt Ion: 43 Resp: 123272

Ion Ratio Lower Upper

43 100

58 36.4 0.0 56.6



#14

Carbon disulfide

Concen: 3.982 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV029212.D

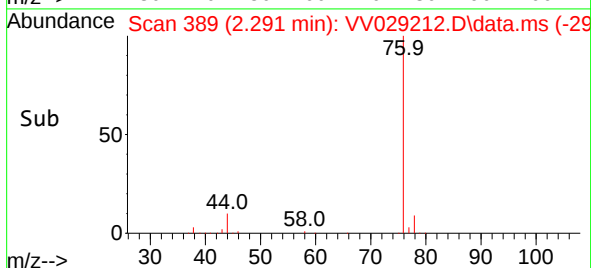
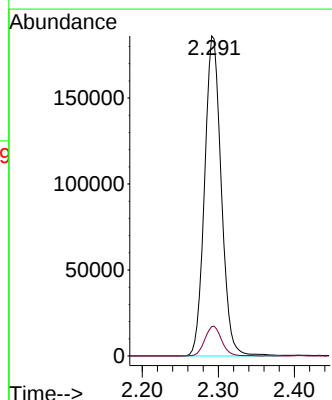
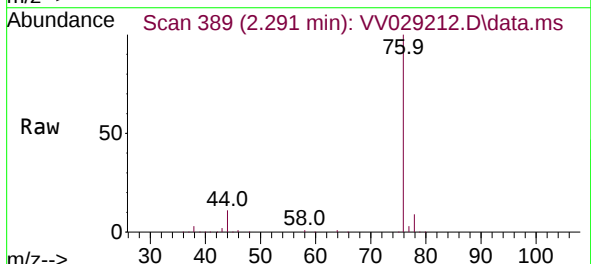
Acq: 20 Nov 2022 08:15

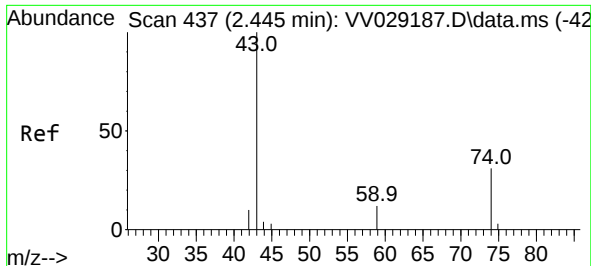
Tgt Ion: 76 Resp: 283276

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

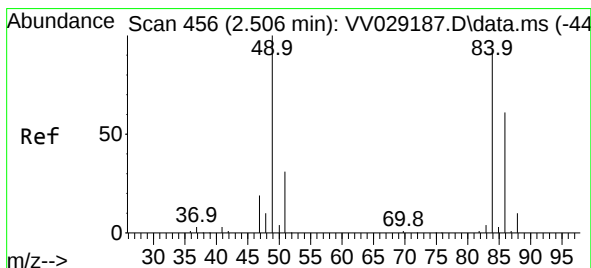
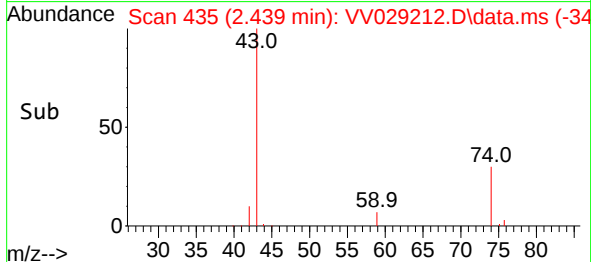
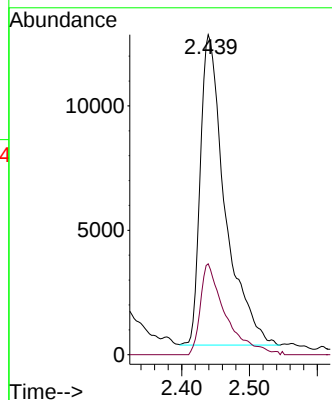
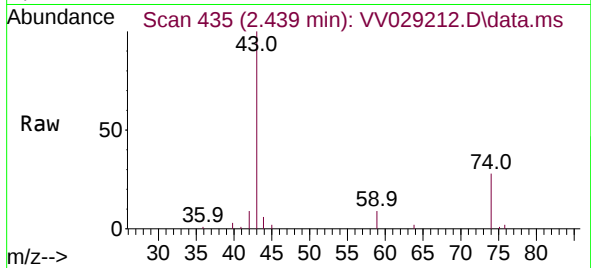




#15
Methyl Acetate
Concen: 5.980 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

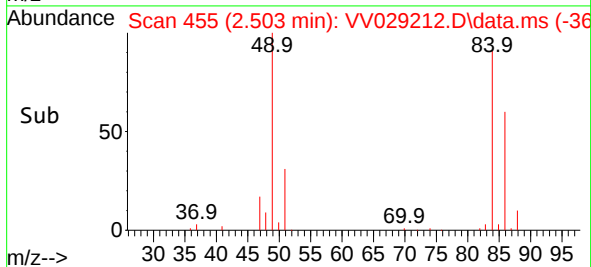
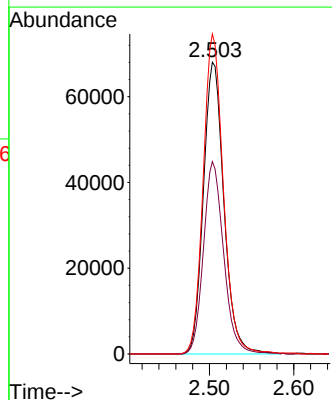
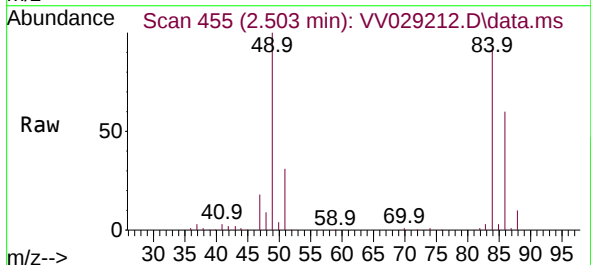
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

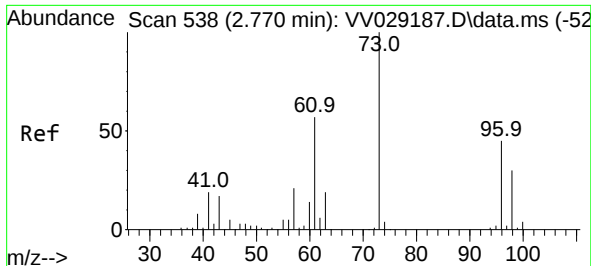
Tgt Ion: 43 Resp: 31529
Ion Ratio Lower Upper
43 100
74 29.8 24.6 37.0



#16
Methylene chloride
Concen: 4.446 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 84 Resp: 115164
Ion Ratio Lower Upper
84 100
86 65.9 45.8 85.0
49 109.7 75.5 140.1

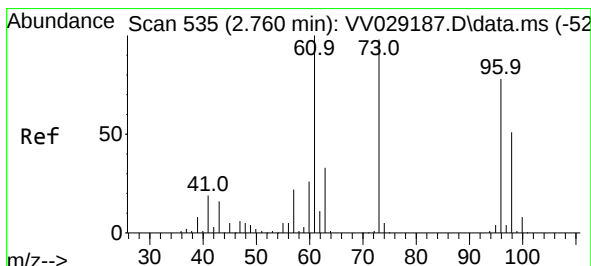
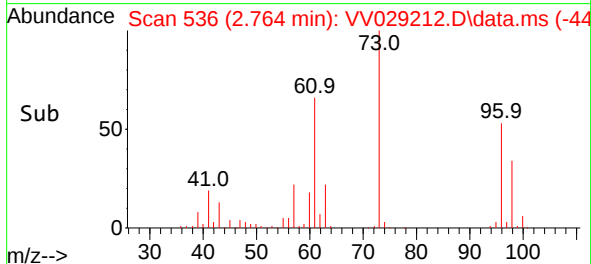
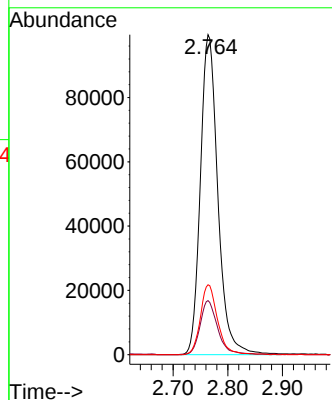
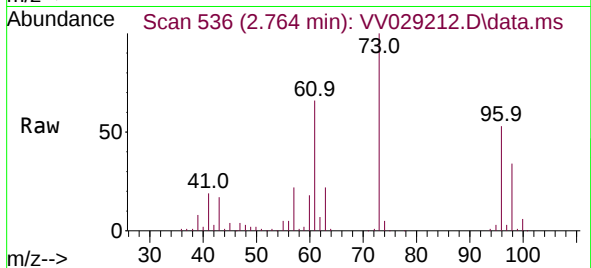




#17
Methyl tert-butyl Ether
Concen: 5.146 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.006 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

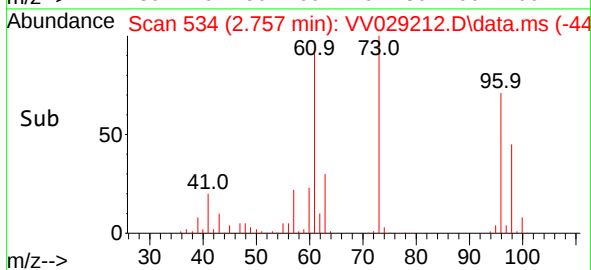
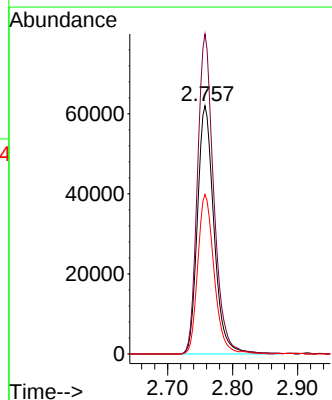
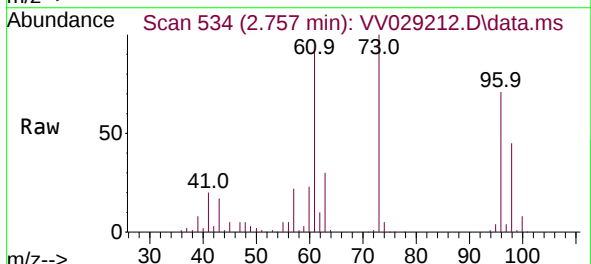
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

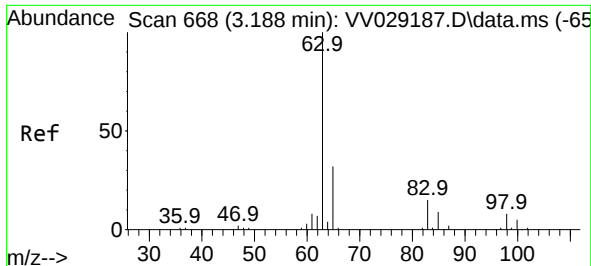
Tgt Ion: 73 Resp: 221034
Ion Ratio Lower Upper
73 100
43 17.0 13.0 19.4
57 21.2 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 4.728 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 96 Resp: 109859
Ion Ratio Lower Upper
96 100
61 129.0 91.8 170.6
98 64.3 46.4 86.2

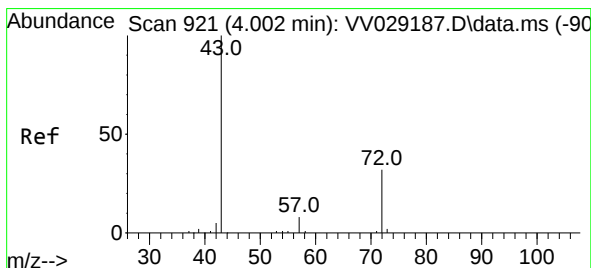
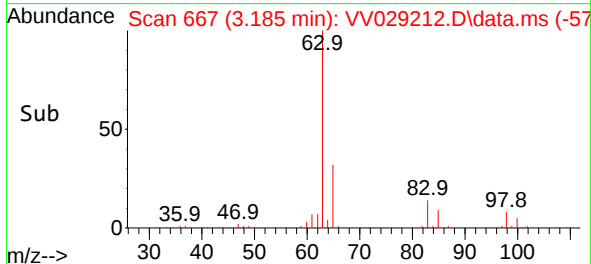
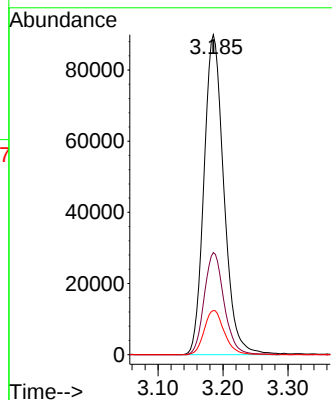
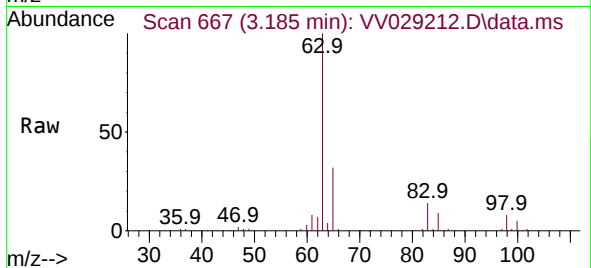




#19
1,1-Dichloroethane
Concen: 5.050 ug/L
RT: 3.185 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

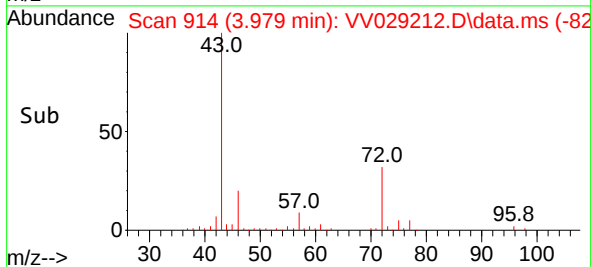
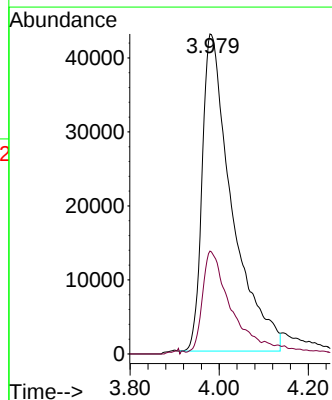
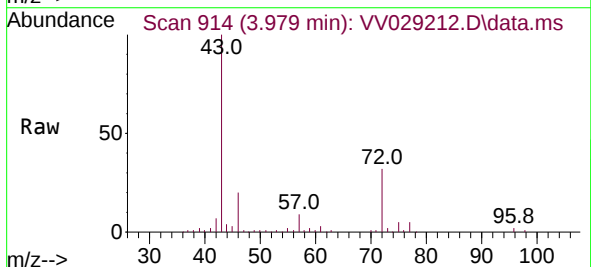
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

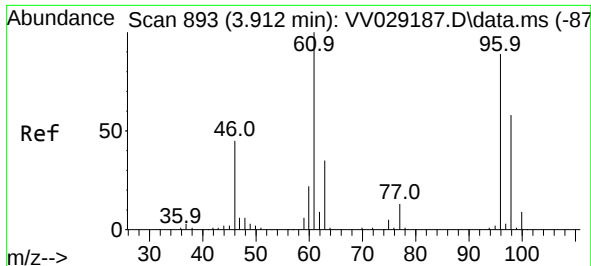
Tgt Ion: 63 Resp: 191828
Ion Ratio Lower Upper
63 100
65 31.9 23.0 42.6
83 13.8 9.4 17.6



#21
2-Butanone
Concen: 58.970 ug/L
RT: 3.979 min Scan# 914
Delta R.T. -0.022 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 43 Resp: 198344
Ion Ratio Lower Upper
43 100
72 28.9 11.9 35.9

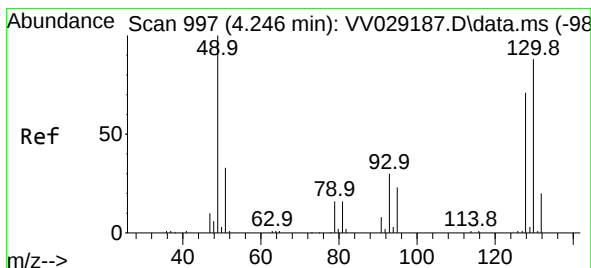
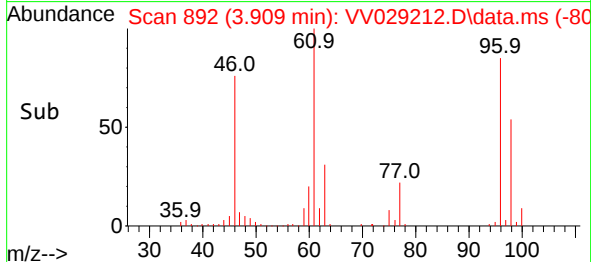
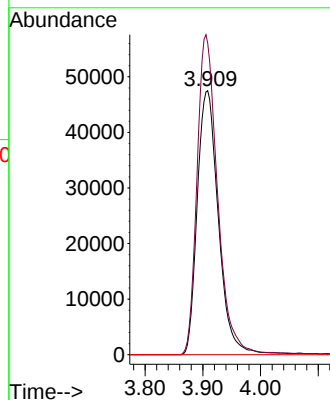
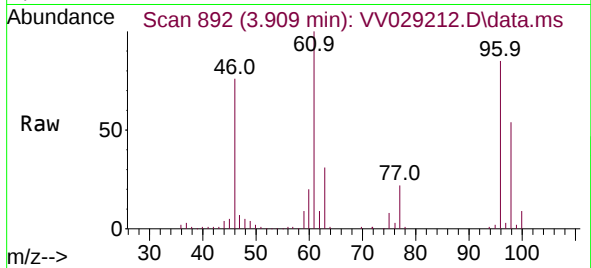




#22
 cis-1,2-Dichloroethene
 Concen: 5.104 ug/L
 RT: 3.909 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

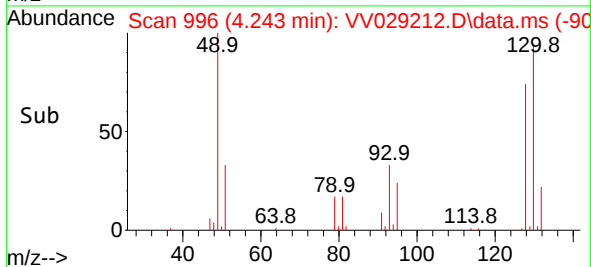
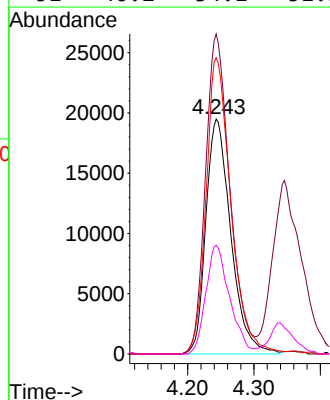
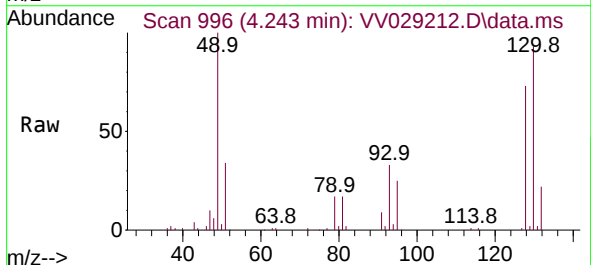
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005360

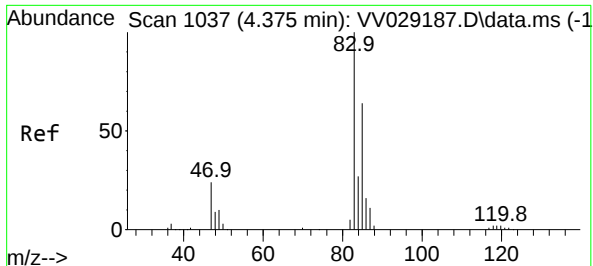
Tgt Ion: 96 Resp: 120556
 Ion Ratio Lower Upper
 96 100
 61 118.0 82.3 152.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.097 ug/L
 RT: 4.243 min Scan# 996
 Delta R.T. -0.003 min
 Lab File: VV029212.D
 Acq: 20 Nov 2022 08:15

Tgt Ion: 128 Resp: 50921
 Ion Ratio Lower Upper
 128 100
 49 136.2 89.5 166.1
 130 126.1 84.4 156.8
 51 46.2 34.1 51.1





#25

Chloroform

Concen: 5.060 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

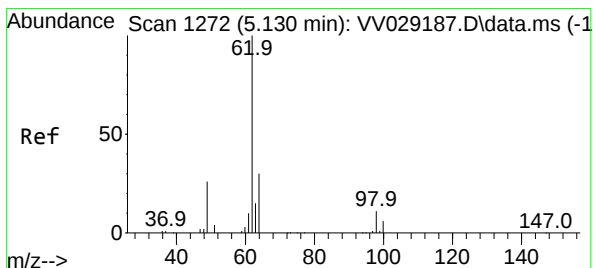
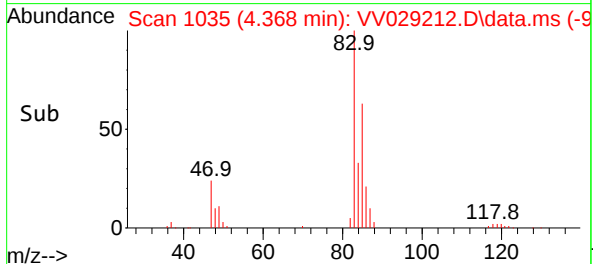
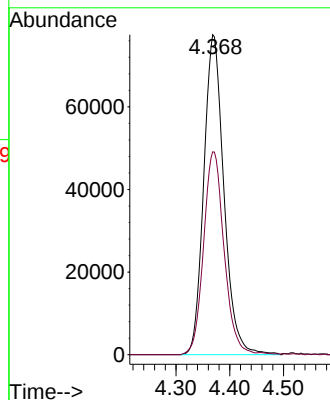
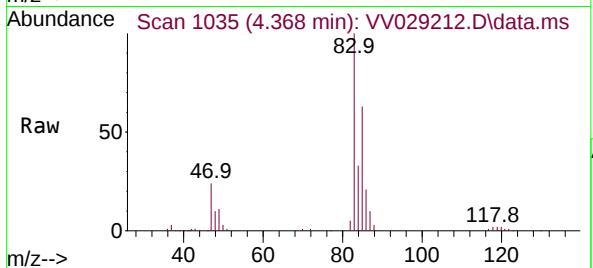
VSTD005360

Tgt Ion: 83 Resp: 201476

Ion Ratio Lower Upper

83 100

85 63.4 43.7 81.1



#27

1,2-Dichloroethane

Concen: 5.233 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV029212.D

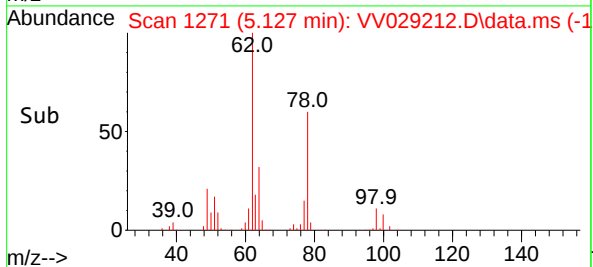
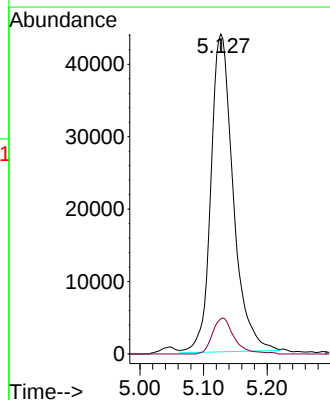
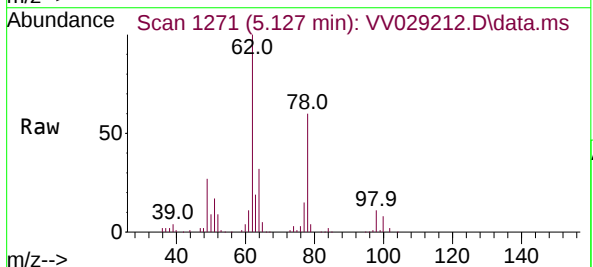
Acq: 20 Nov 2022 08:15

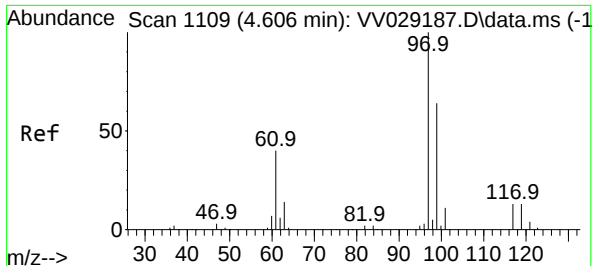
Tgt Ion: 62 Resp: 107316

Ion Ratio Lower Upper

62 100

98 11.0 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.712 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

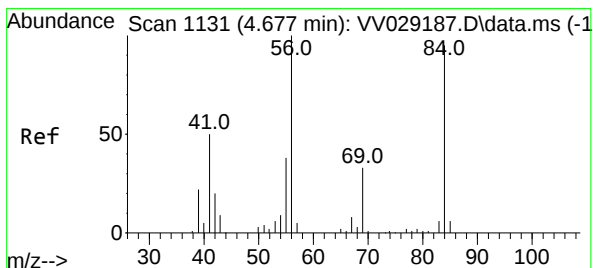
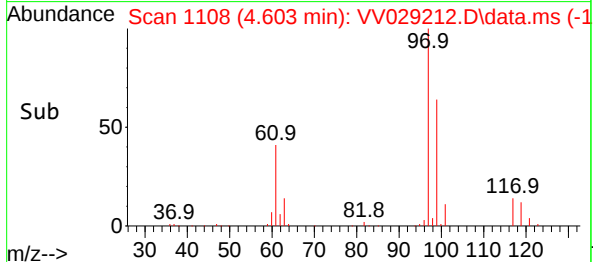
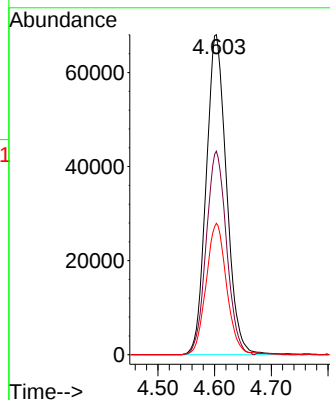
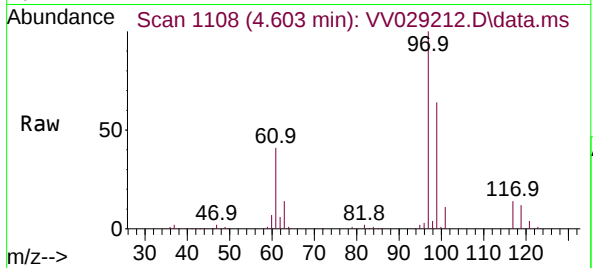
Tgt Ion: 97 Resp: 169738

Ion Ratio Lower Upper

97 100

99 63.7 52.7 79.1

61 41.7 33.8 50.6



#30

Cyclohexane

Concen: 4.546 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

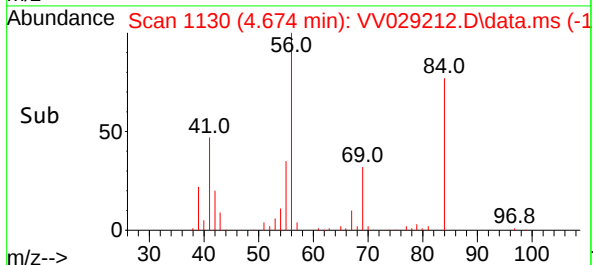
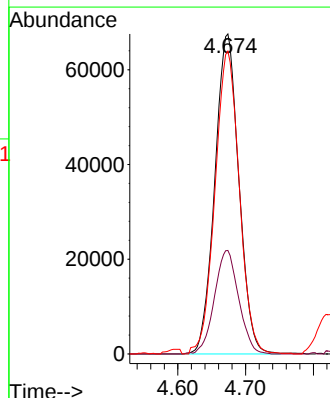
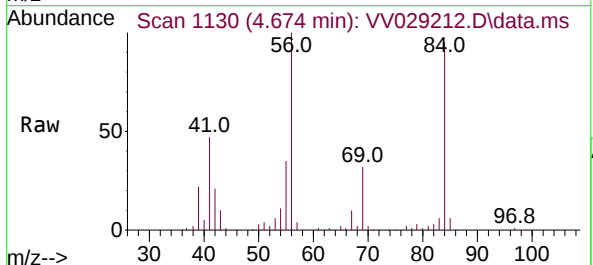
Tgt Ion: 56 Resp: 166416

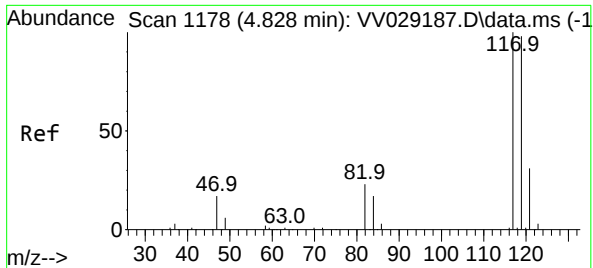
Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

84 95.8 77.9 116.9

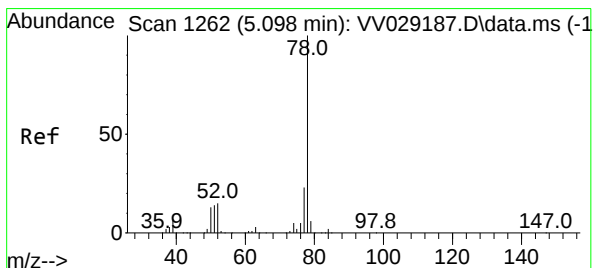
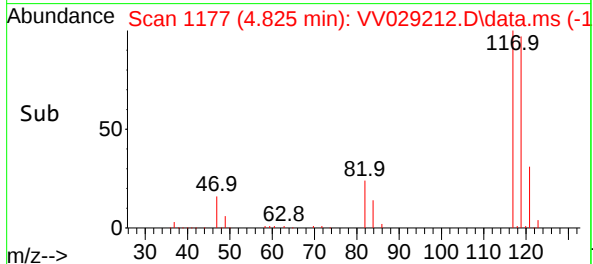
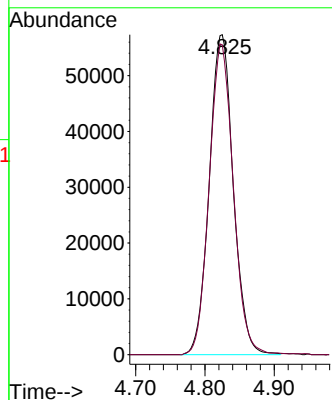
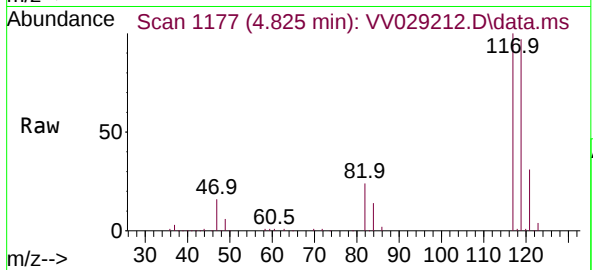




#31
Carbon tetrachloride
Concen: 4.456 ug/L
RT: 4.825 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

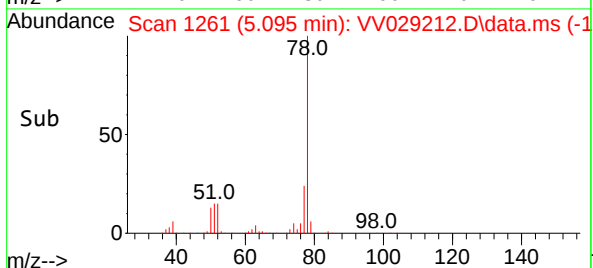
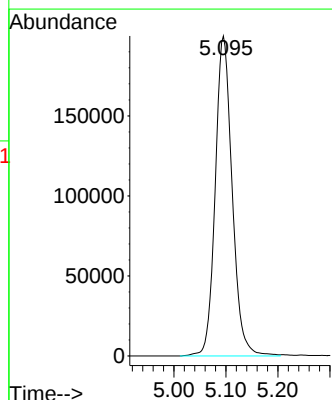
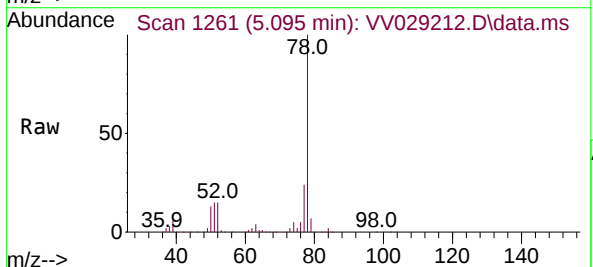
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

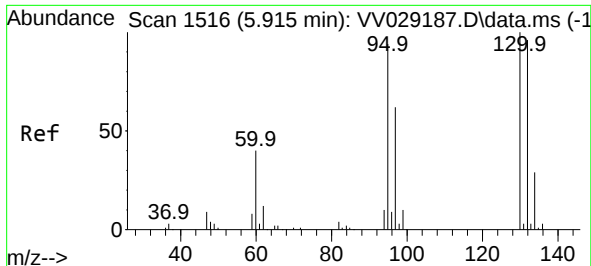
Tgt Ion:117 Resp: 138223
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.6



#33
Benzene
Concen: 4.825 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 78 Resp: 452562

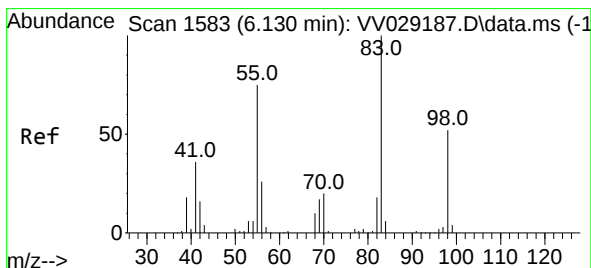
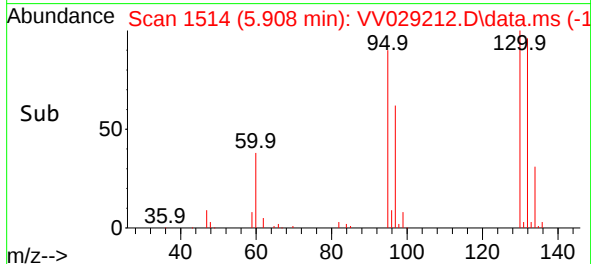
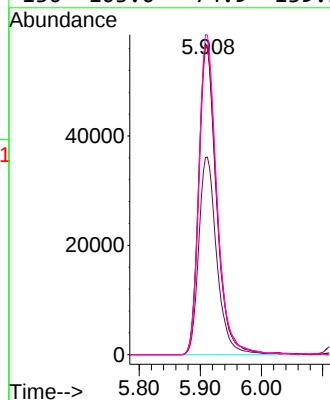
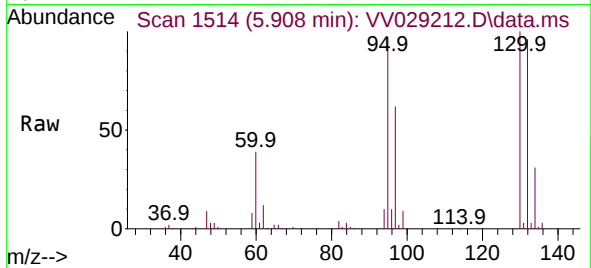




#34
Trichloroethene
Concen: 4.803 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

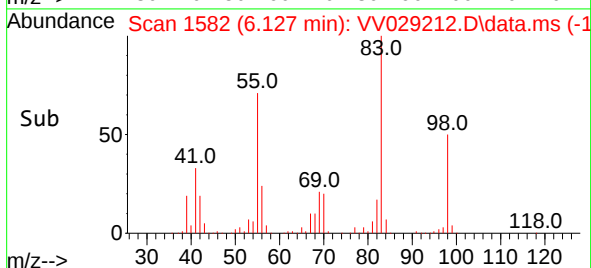
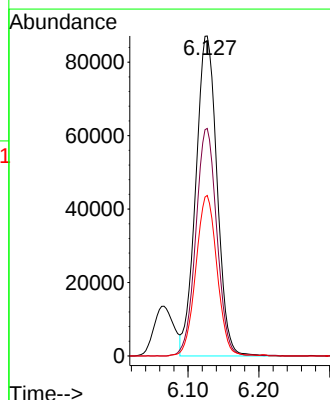
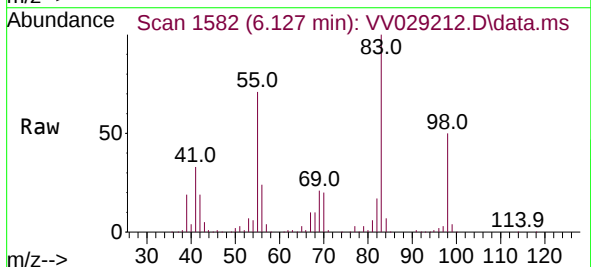
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

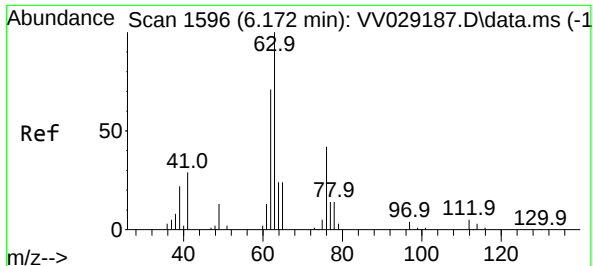
Tgt Ion: 95 Resp: 115343
Ion Ratio Lower Upper
95 100
97 63.5 45.6 84.8
132 98.9 69.1 128.3
130 103.0 74.9 139.1



#35
Methylcyclohexane
Concen: 4.306 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 83 Resp: 181734
Ion Ratio Lower Upper
83 100
55 70.1 55.8 83.6
98 50.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 4.766 ug/L

RT: 6.169 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

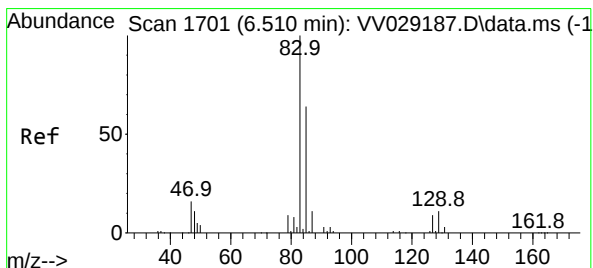
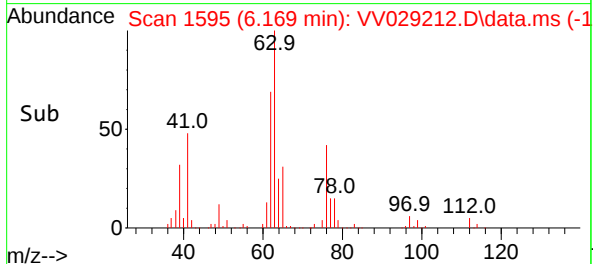
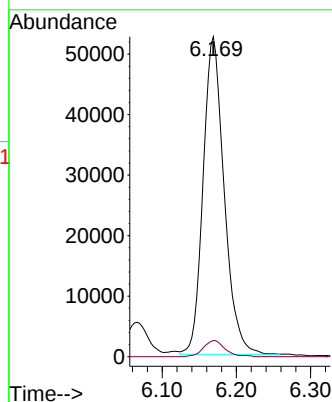
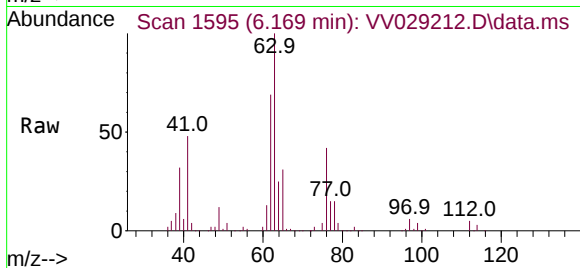
VSTD005360

Tgt Ion: 63 Resp: 103094

Ion Ratio Lower Upper

63 100

112 5.2 4.0 6.0



#38

Bromodichloromethane

Concen: 4.511 ug/L

RT: 6.507 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

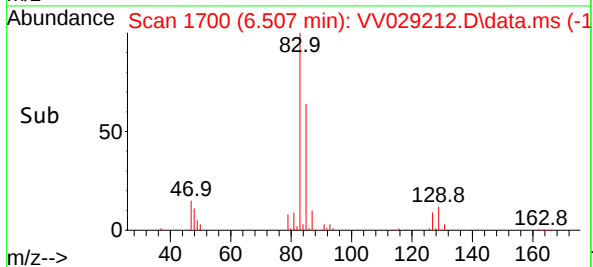
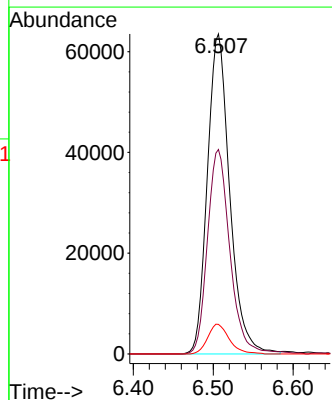
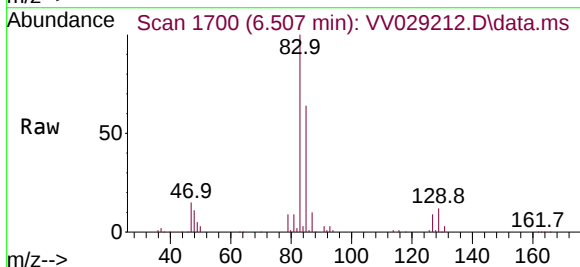
Tgt Ion: 83 Resp: 123587

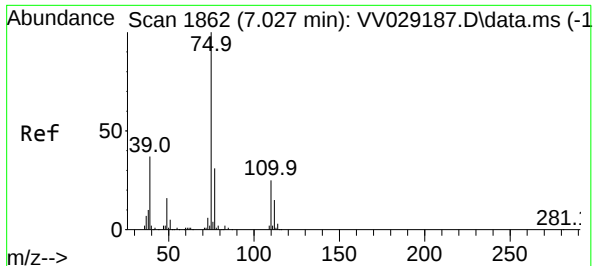
Ion Ratio Lower Upper

83 100

85 63.9 46.1 85.5

127 9.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.351 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

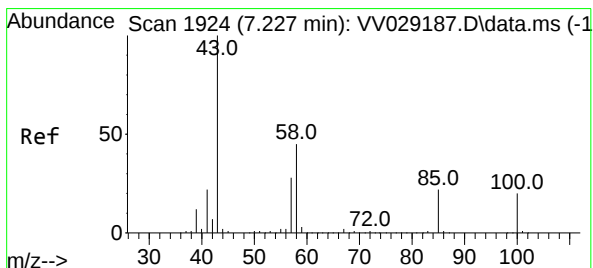
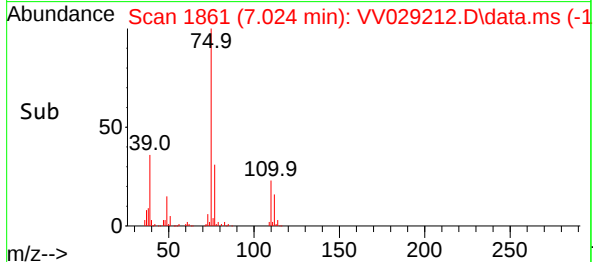
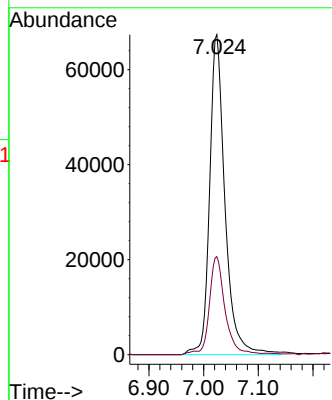
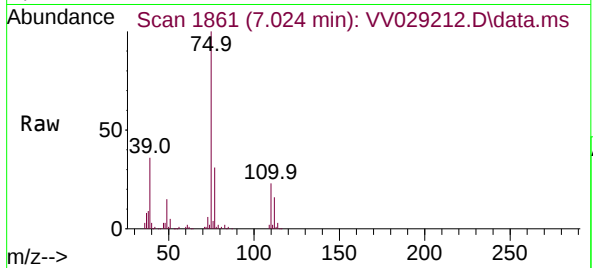
VSTD005360

Tgt Ion: 75 Resp: 131391

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 55.190 ug/L

RT: 7.224 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

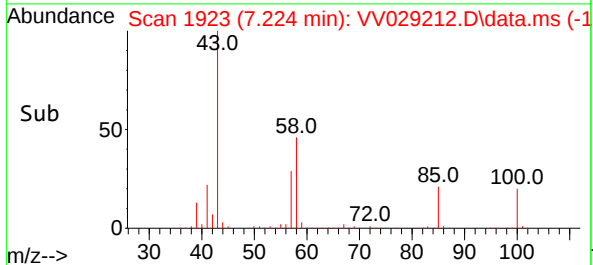
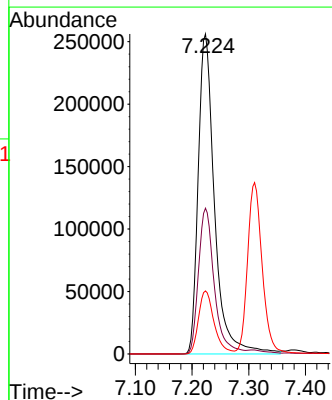
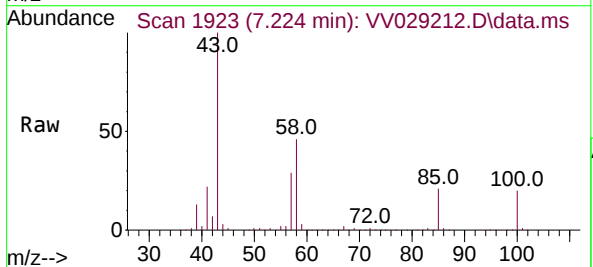
Tgt Ion: 43 Resp: 513645

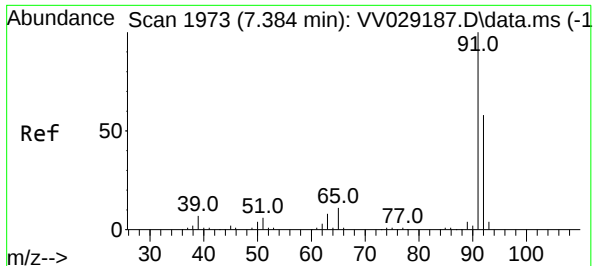
Ion Ratio Lower Upper

43 100

58 44.1 36.6 55.0

100 18.8 14.5 21.7





#42

Toluene

Concen: 4.872 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

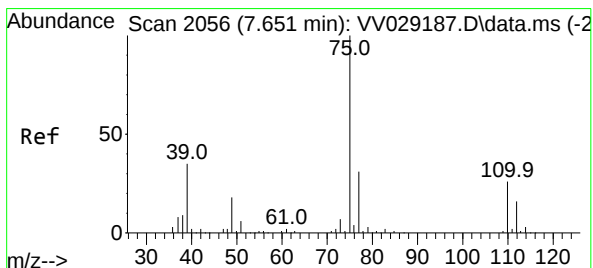
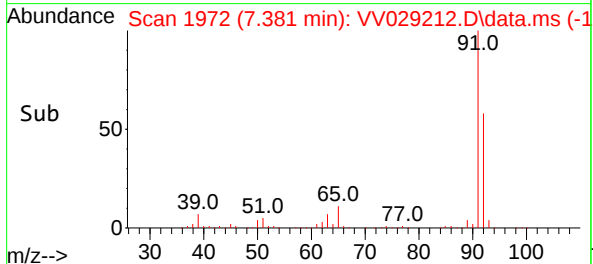
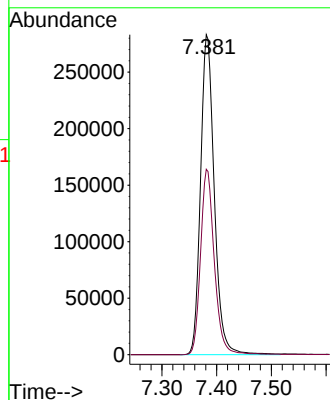
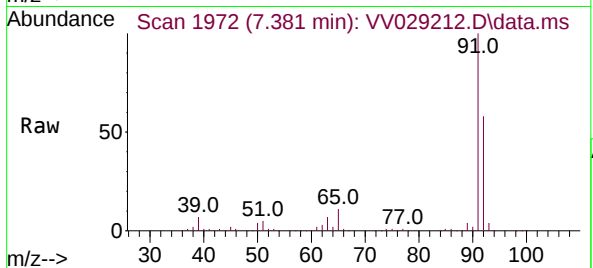
VSTD005360

Tgt Ion: 91 Resp: 493721

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.378 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV029212.D

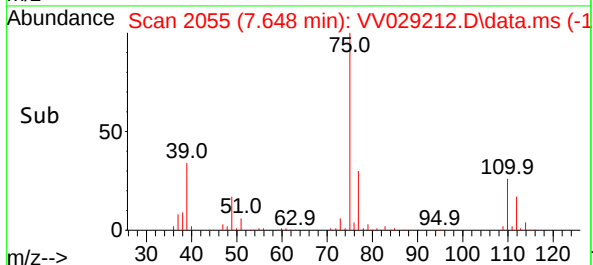
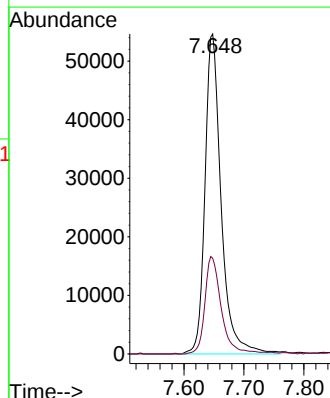
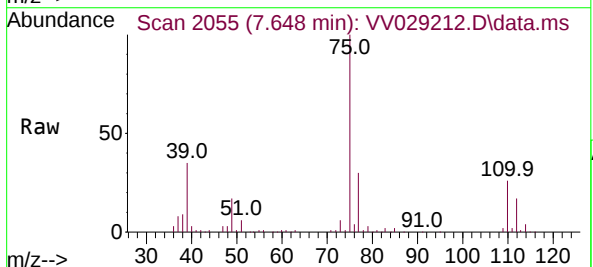
Acq: 20 Nov 2022 08:15

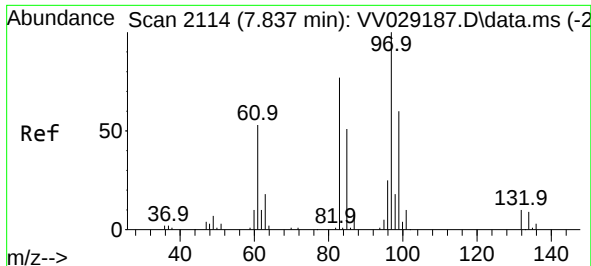
Tgt Ion: 75 Resp: 102628

Ion Ratio Lower Upper

75 100

77 29.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.285 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion: 97 Resp: 74837

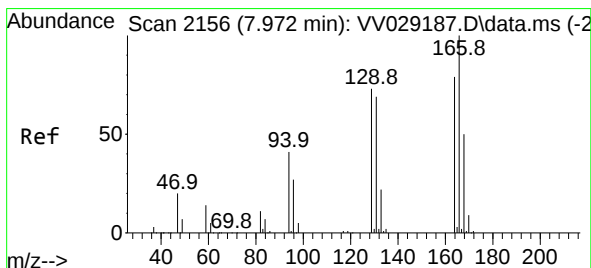
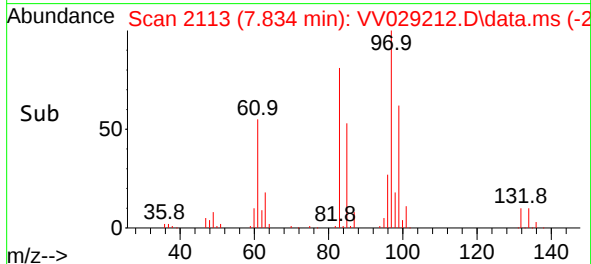
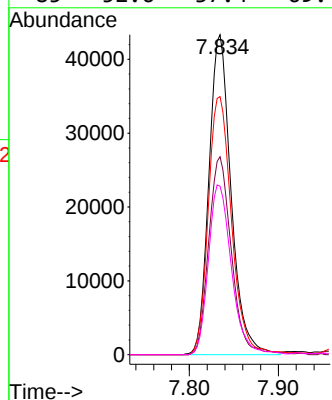
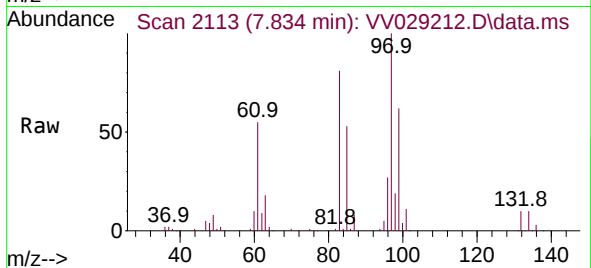
Ion Ratio Lower Upper

97 100

99 61.8 41.5 77.1

83 80.7 60.0 111.4

85 52.6 37.4 69.4



#47

Tetrachloroethene

Concen: 4.838 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Tgt Ion:164 Resp: 93034

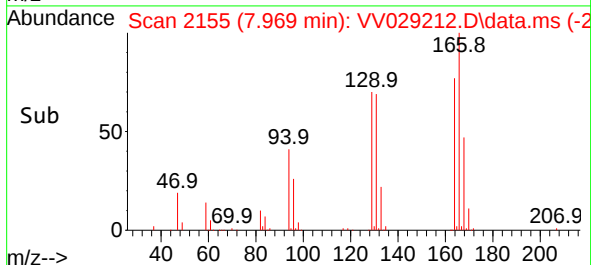
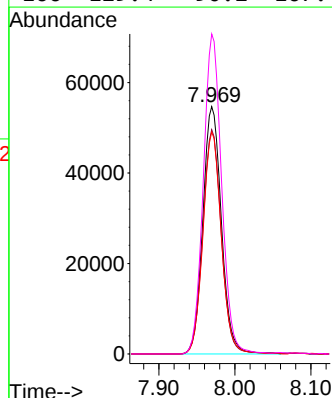
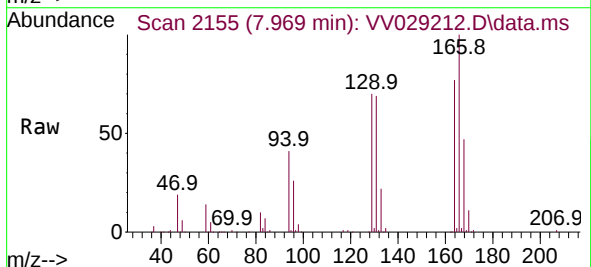
Ion Ratio Lower Upper

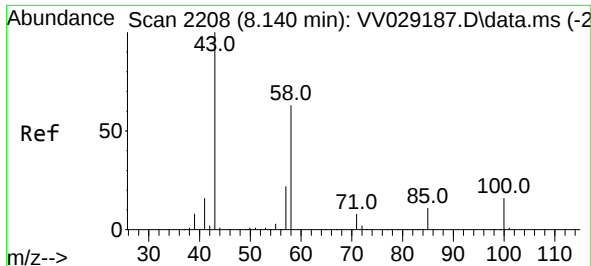
164 100

129 90.7 63.9 118.7

131 89.8 61.8 114.8

166 129.4 90.2 167.4



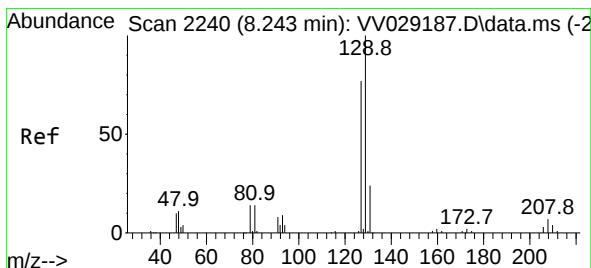
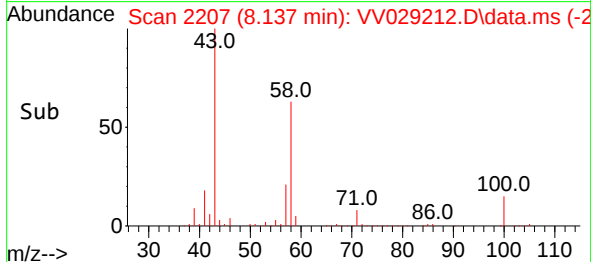
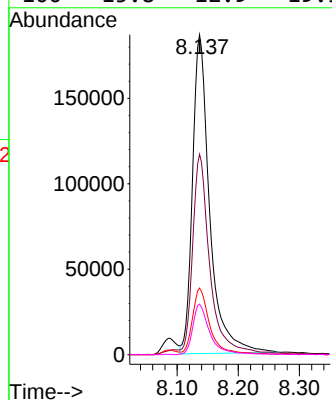
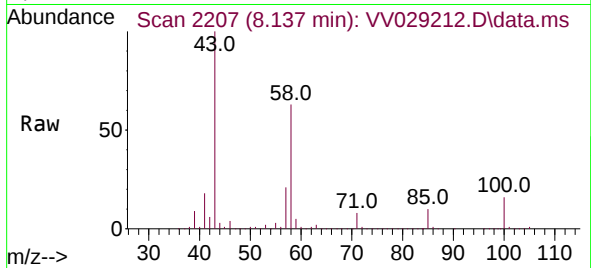


#48
2-Hexanone
Concen: 55.895 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

Tgt Ion: 43 Resp: 364399

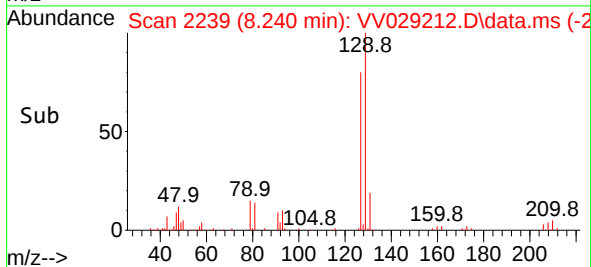
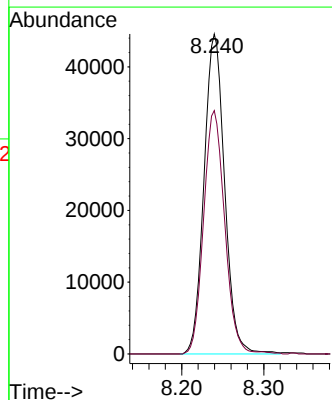
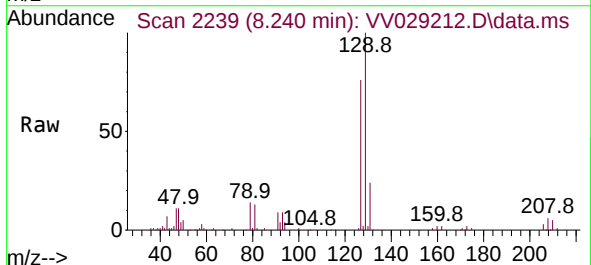
Ion	Ratio	Lower	Upper
43	100		
58	61.9	50.2	75.4
57	20.9	17.8	26.8
100	15.8	12.9	19.3

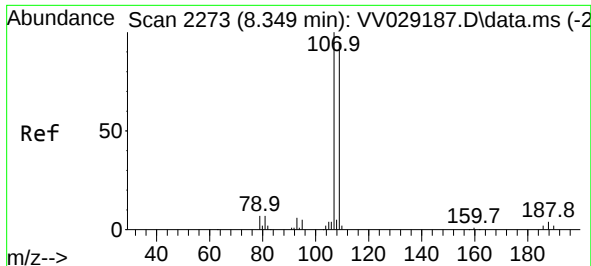


#49
Dibromochloromethane
Concen: 4.541 ug/L
RT: 8.240 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 129 Resp: 77743

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.202 ug/L

RT: 8.346 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

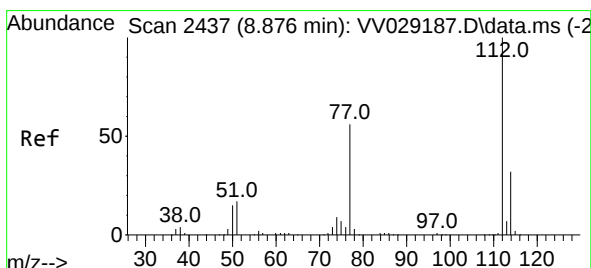
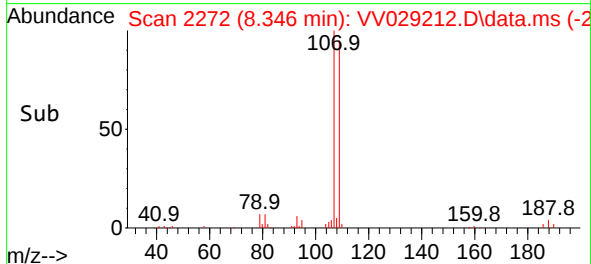
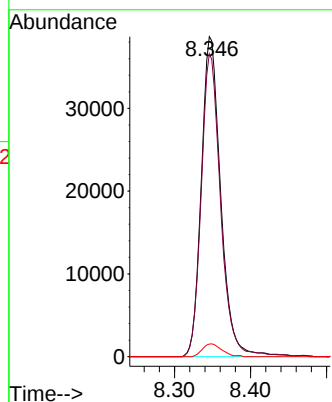
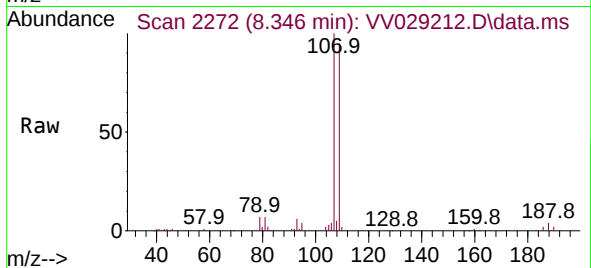
Tgt Ion:107 Resp: 68428

Ion Ratio Lower Upper

107 100

109 94.7 64.4 119.6

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 4.951 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

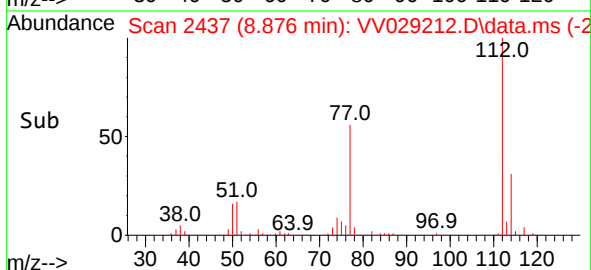
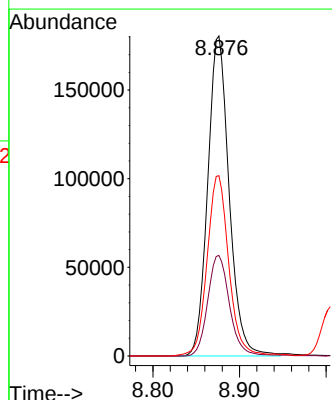
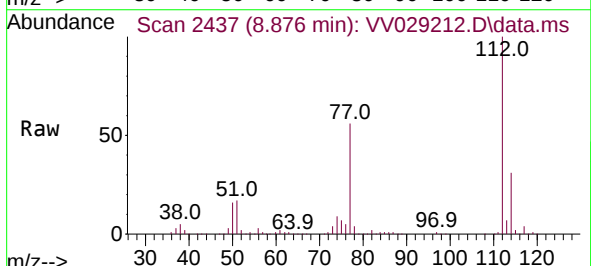
Tgt Ion:112 Resp: 310200

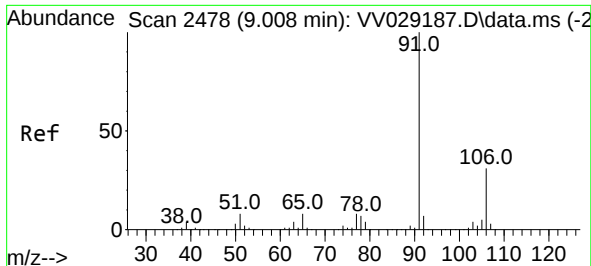
Ion Ratio Lower Upper

112 100

114 31.4 22.4 41.6

77 56.4 44.4 66.6

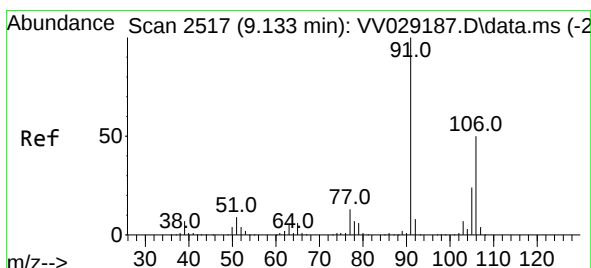
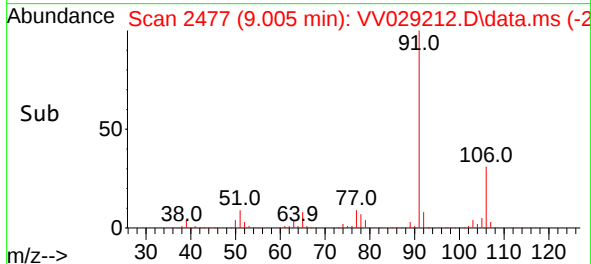
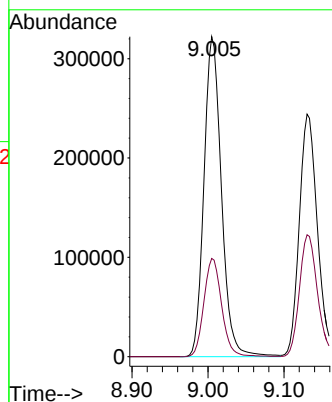
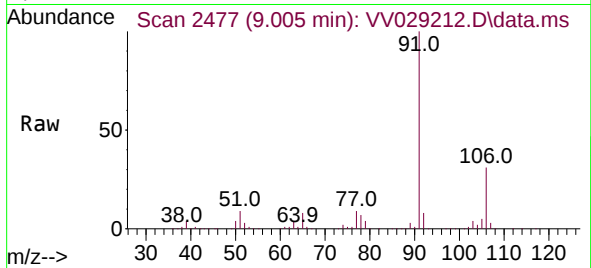




#52
Ethylbenzene
Concen: 4.879 ug/L
RT: 9.005 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

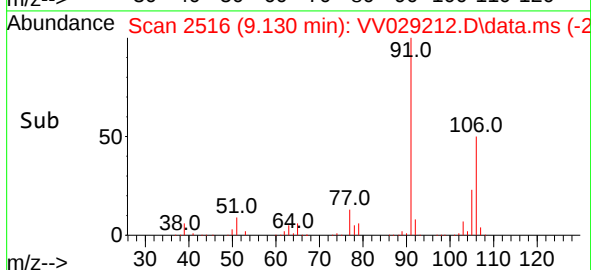
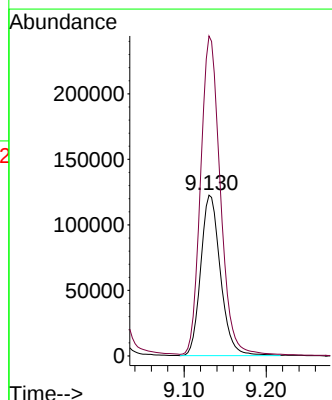
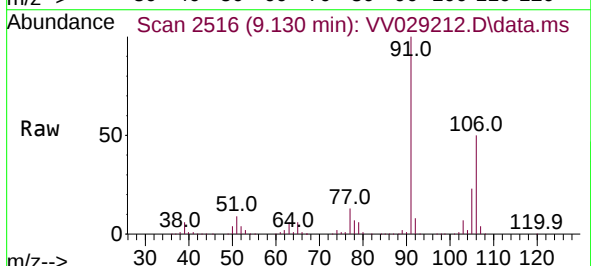
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

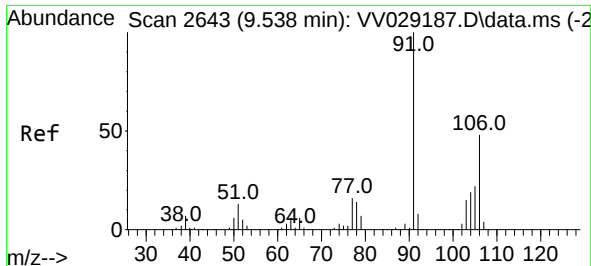
Tgt Ion: 91 Resp: 514758
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.2



#53
m,p-Xylene
Concen: 4.864 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 106 Resp: 204107
Ion Ratio Lower Upper
106 100
91 199.0 139.1 258.3

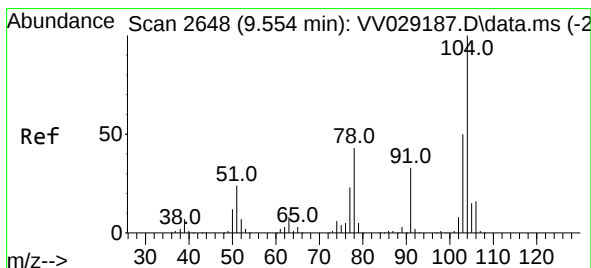
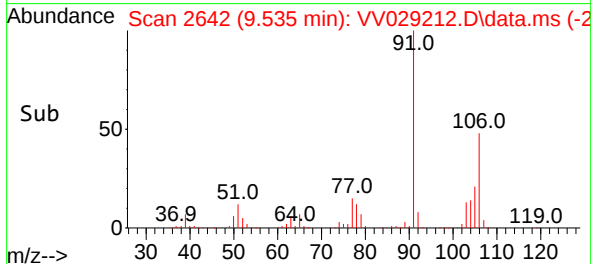
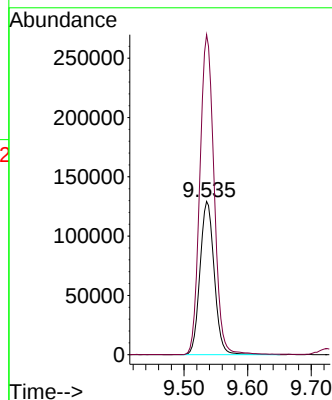
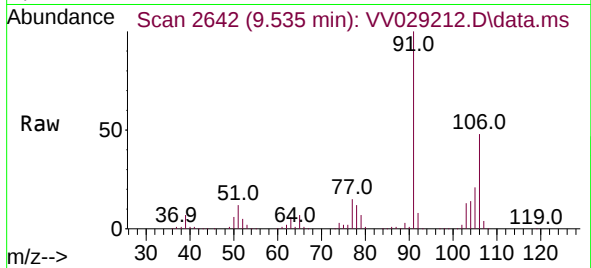




#54
o-Xylene
Concen: 5.036 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

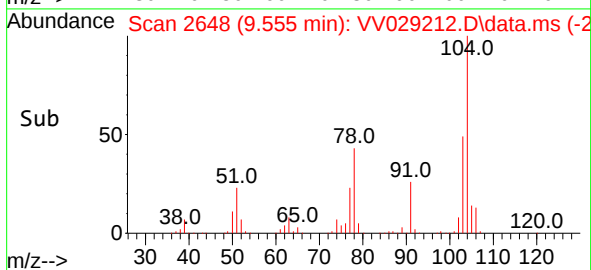
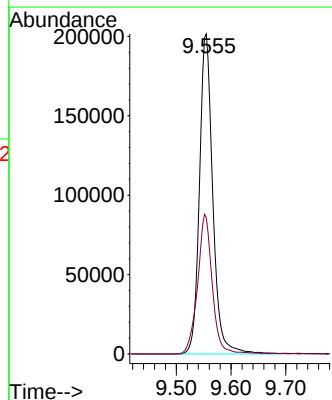
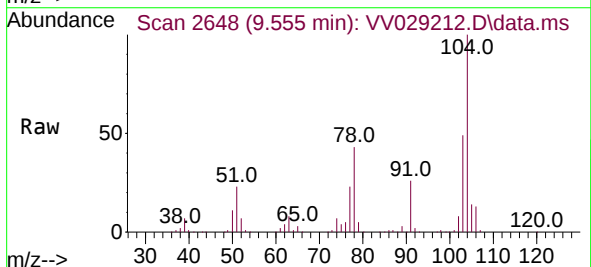
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

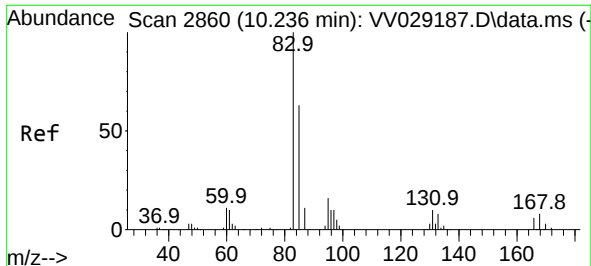
Tgt Ion:106 Resp: 200883
Ion Ratio Lower Upper
106 100
91 208.8 145.7 270.7



#55
Styrene
Concen: 5.095 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion:104 Resp: 340890
Ion Ratio Lower Upper
104 100
78 42.6 30.1 55.9

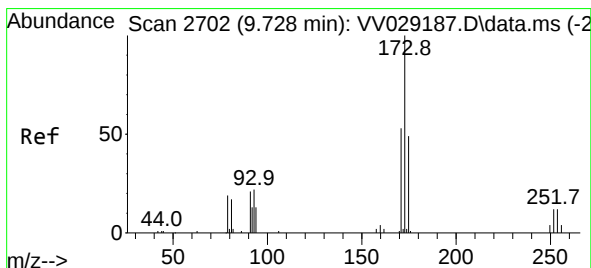
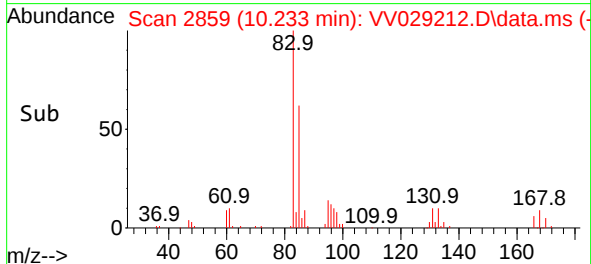
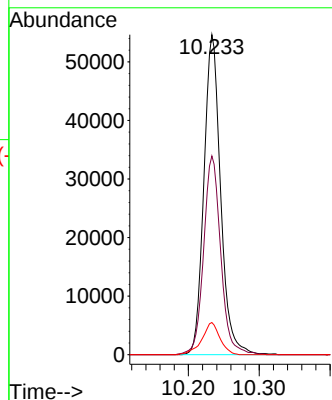
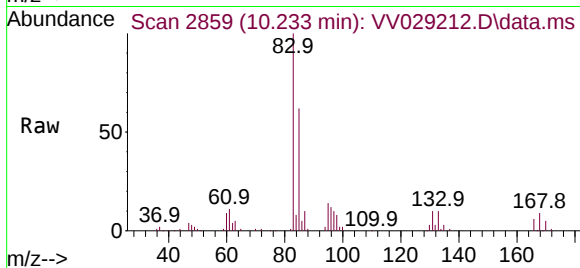




#57
1,1,2,2-Tetrachloroethane
Concen: 5.426 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

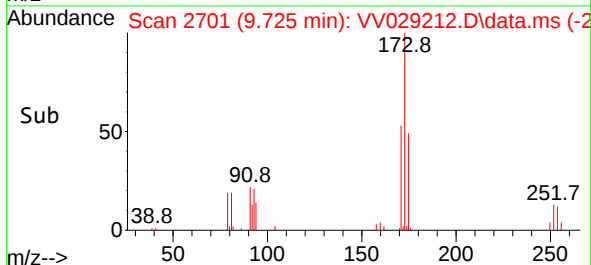
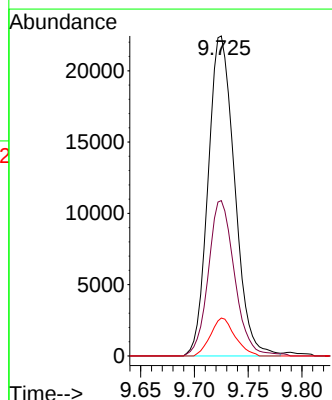
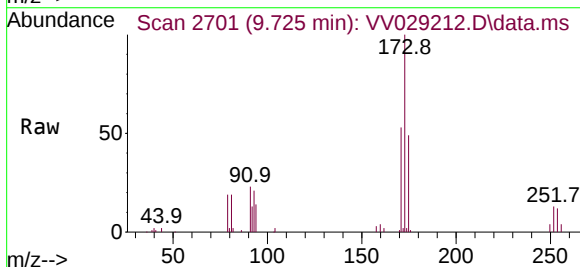
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

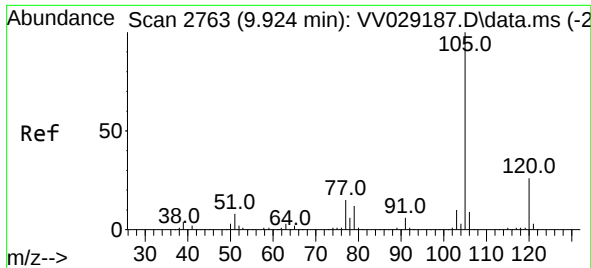
Tgt Ion: 83 Resp: 89547
Ion Ratio Lower Upper
83 100
85 62.1 45.2 84.0
131 10.0 7.5 11.3



#59
Bromoform
Concen: 4.356 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 173 Resp: 38458
Ion Ratio Lower Upper
173 100
175 48.1 38.2 57.4
254 10.9 8.5 12.7

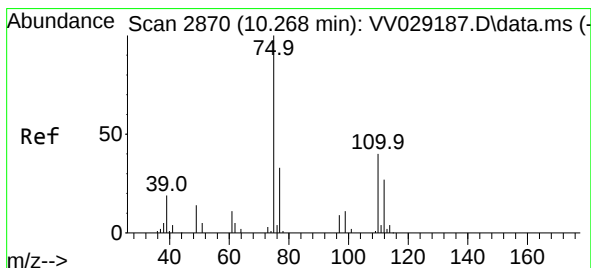
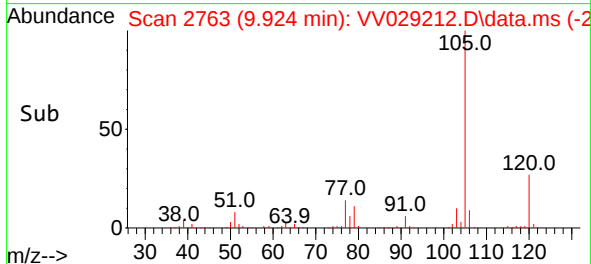
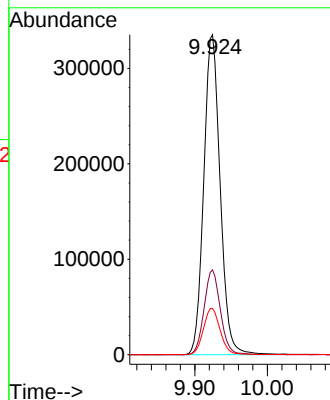
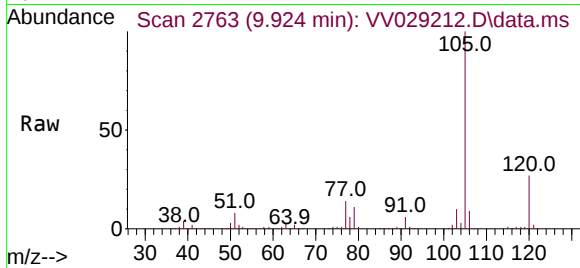




#60
Isopropylbenzene
Concen: 5.011 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

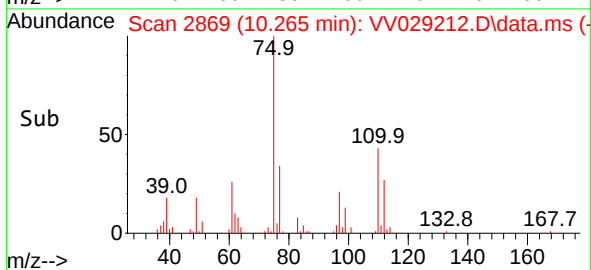
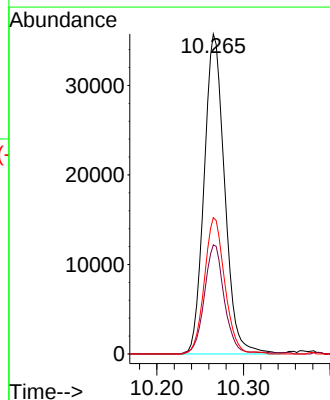
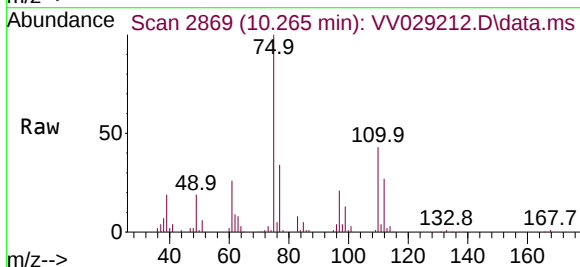
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

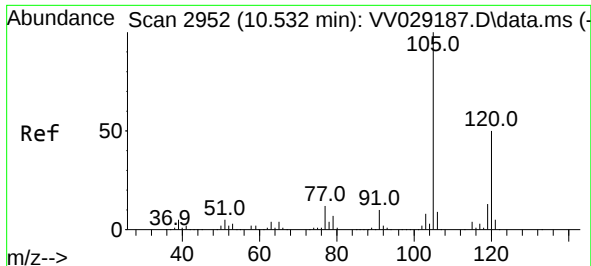
Tgt Ion:105 Resp: 526793
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 14.8 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.323 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.003 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion: 75 Resp: 58918
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
110 41.9 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 4.951 ug/L

RT: 10.529 min Scan# 2952

Delta R.T. -0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

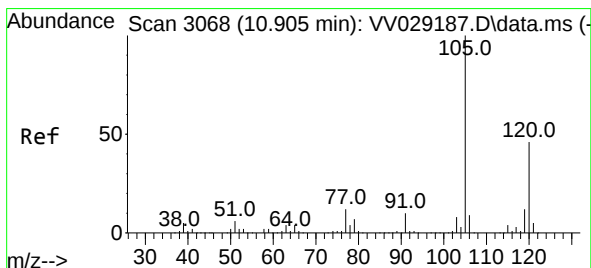
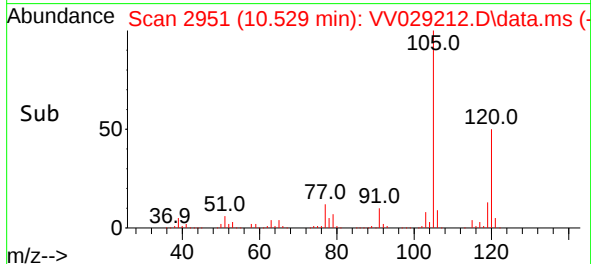
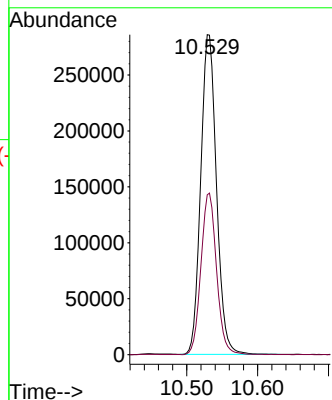
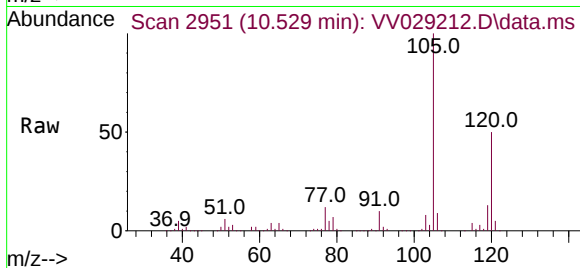
VSTD005360

Tgt Ion:105 Resp: 440921

Ion Ratio Lower Upper

105 100

120 50.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.980 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029212.D

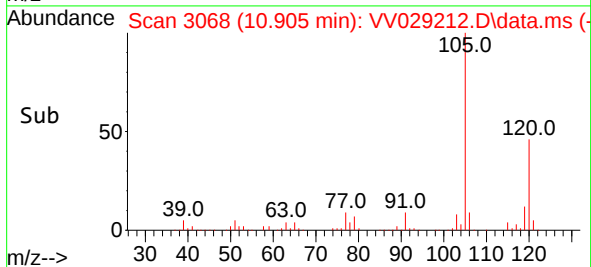
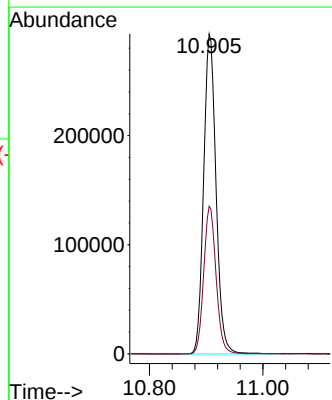
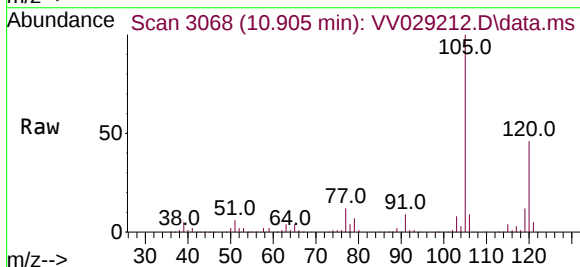
Acq: 20 Nov 2022 08:15

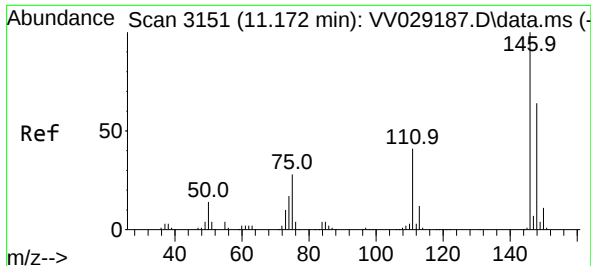
Tgt Ion:105 Resp: 444223

Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.8

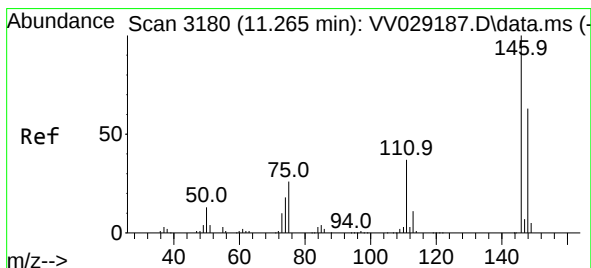
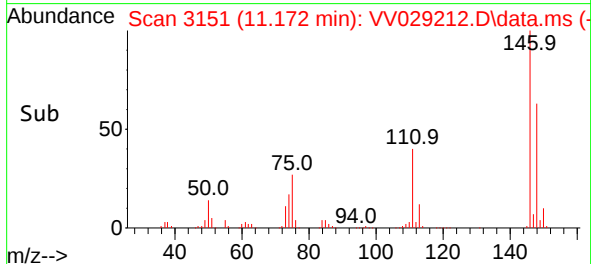
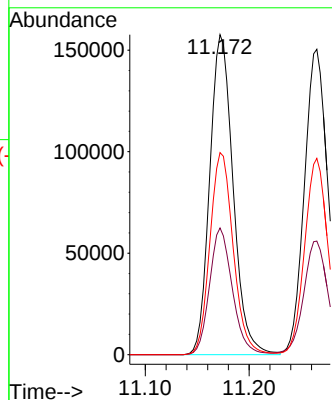
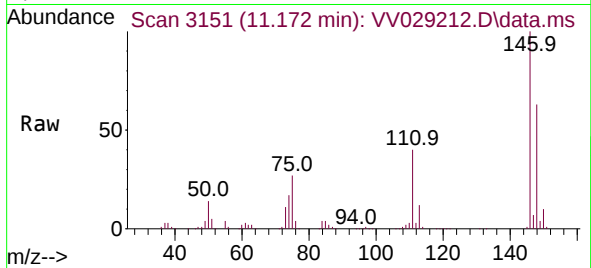




#64
1,3-Dichlorobenzene
Concen: 4.991 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

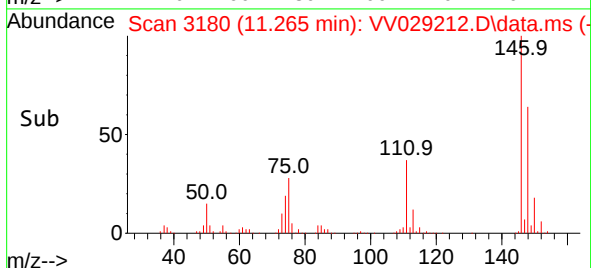
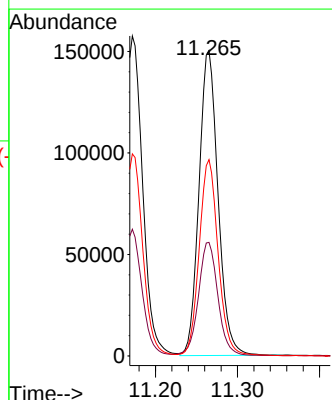
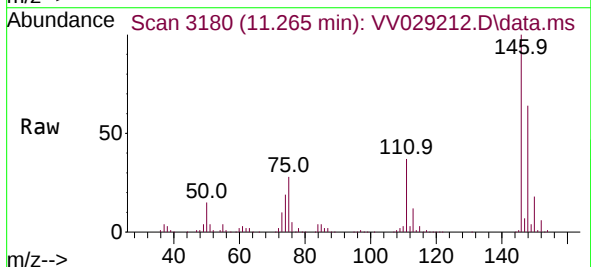
Instrument :
MSVOA_V
ClientSampleId :
VSTD005360

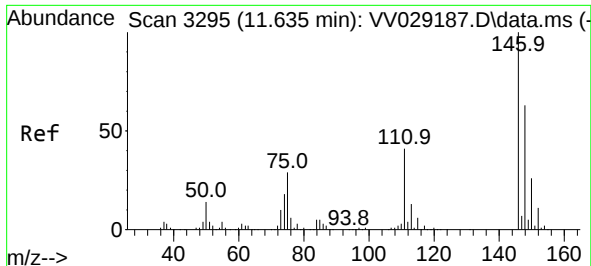
Tgt Ion:146 Resp: 246502
Ion Ratio Lower Upper
146 100
111 39.6 26.9 50.1
148 63.2 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 4.883 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV029212.D
Acq: 20 Nov 2022 08:15

Tgt Ion:146 Resp: 242489
Ion Ratio Lower Upper
146 100
111 37.2 26.5 49.3
148 64.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.030 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

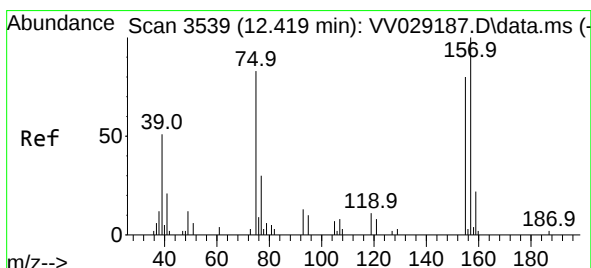
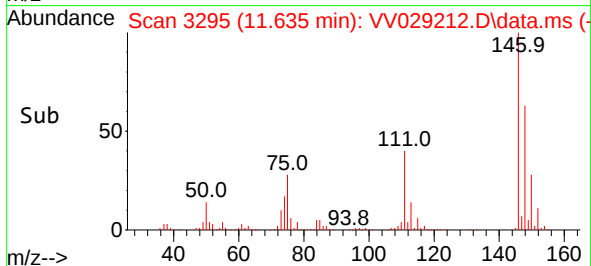
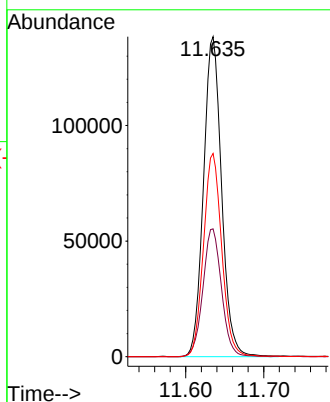
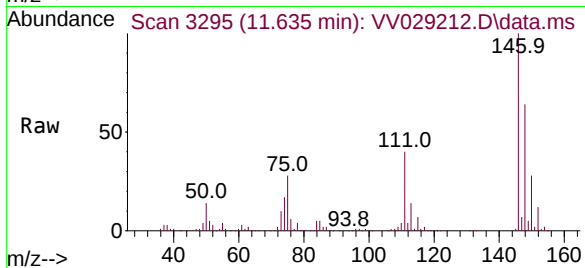
Tgt Ion:146 Resp: 223227

Ion Ratio Lower Upper

146 100

111 40.0 32.4 48.6

148 63.5 49.4 74.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.410 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

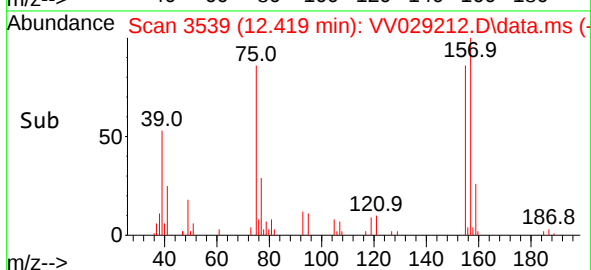
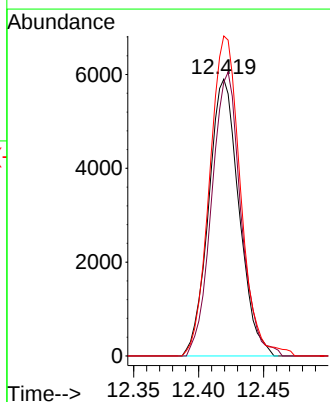
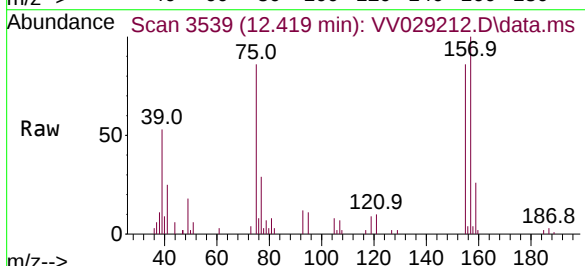
Tgt Ion: 75 Resp: 9603

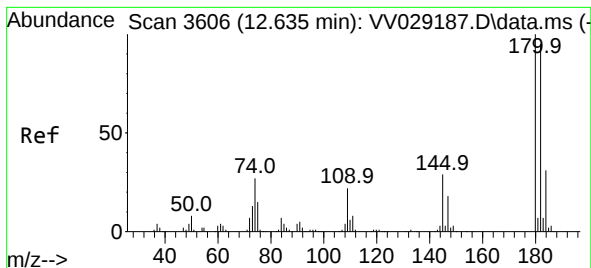
Ion Ratio Lower Upper

75 100

155 99.0 64.8 97.2#

157 115.6 86.3 129.5





#69

1,3,5-Trichlorobenzene

Concen: 4.503 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

Tgt Ion:180 Resp: 171596

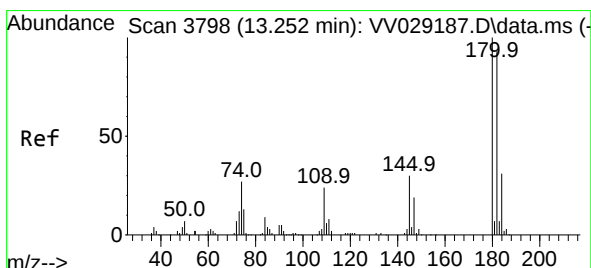
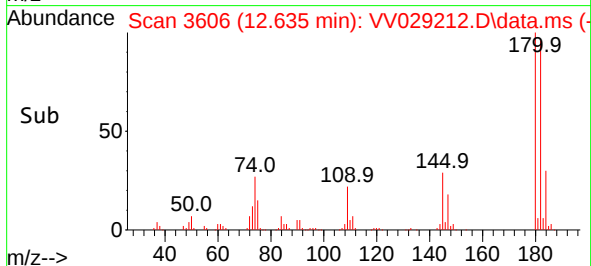
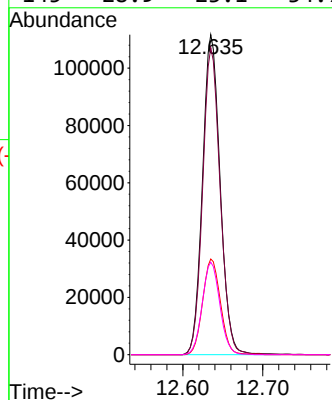
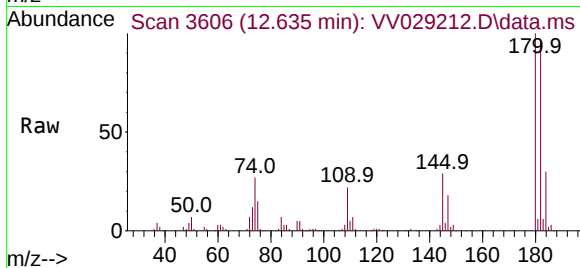
Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

184 30.2 24.0 36.0

145 28.9 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.311 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

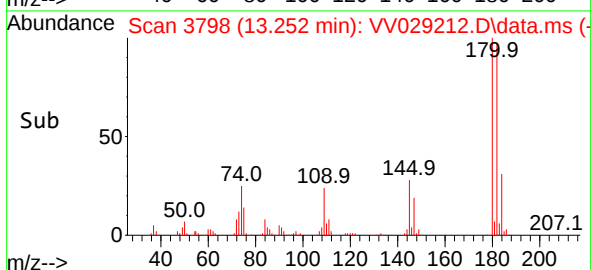
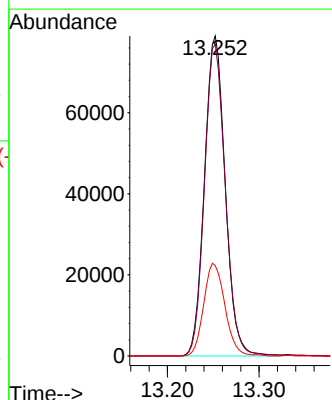
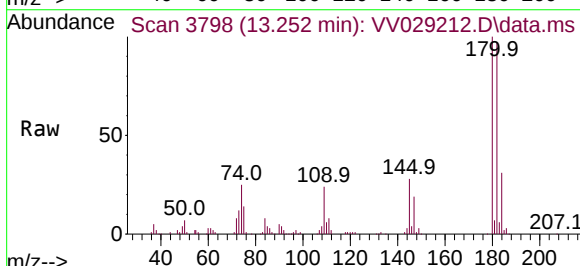
Tgt Ion:180 Resp: 124250

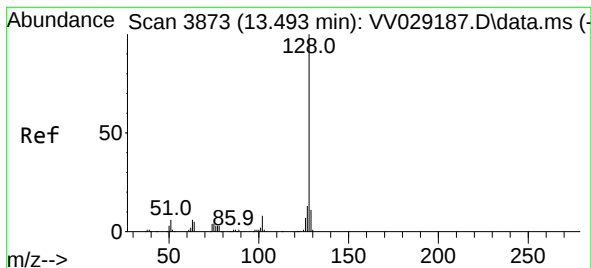
Ion Ratio Lower Upper

180 100

182 97.6 74.3 111.5

145 29.6 23.7 35.5





#71

Naphthalene

Concen: 4.050 ug/L

RT: 13.493 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005360

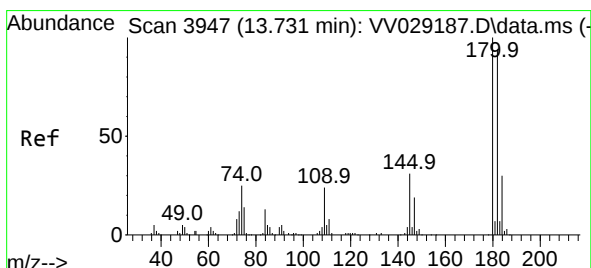
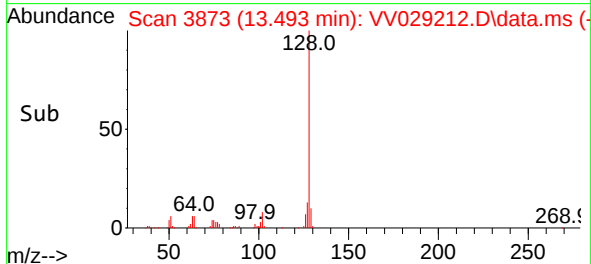
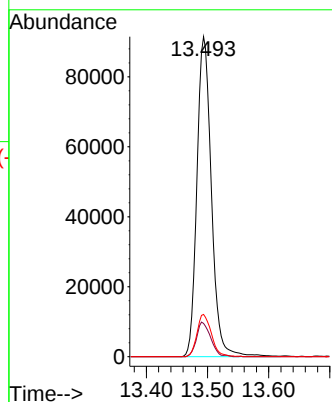
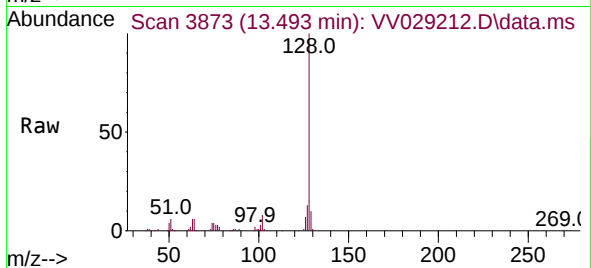
Tgt Ion:128 Resp: 150610

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 13.2 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 4.442 ug/L

RT: 13.735 min Scan# 3948

Delta R.T. 0.003 min

Lab File: VV029212.D

Acq: 20 Nov 2022 08:15

Tgt Ion:180 Resp: 108452

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

145 31.6 24.9 37.3

