

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051322\
 Data File : VW025891.D
 Acq On : 13 May 2022 15:14
 Operator : SY/MD
 Sample : VSTD0.543
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5243

Quant Time: May 14 06:58:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 14 06:57:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	194602	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	198954	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	95779	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	7418	0.371	ug/L	0.00
7) Chloroethane-d5	1.571	69	6233	0.356	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.114	63	17018	0.434	ug/L	0.00
20) 2-Butanone-d5	3.953	46	1416	0.536	ug/L	0.05
24) Chloroform-d	4.359	84	12033	0.399	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.047	65	5234	0.394	ug/L	0.00
32) Benzene-d6	5.059	84	21861	0.363	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.079	67	6788	0.383	ug/L	0.00
41) Toluene-d8	7.320	98	19161	0.349	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.635	79	1950	0.346	ug/L	0.00
46) 2-Hexanone-d5	8.108	63	5265	2.456	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.220	84	3954	0.351	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	6808	0.430	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	10667	0.466	ug/L	98
3) Chloromethane	1.243	50	12683	0.478	ug/L	96
5) Vinyl chloride	1.314	62	12926	0.482	ug/L	100
6) Bromomethane	1.526	94	7797	0.526	ug/L	97
8) Chloroethane	1.587	64	8727	0.503	ug/L	91
9) Trichlorofluoromethane	1.754	101	17006	0.462	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	9538	0.478	ug/L	97
12) 1,1-Dichloroethene	2.121	96	9323	0.486	ug/L	90
13) Acetone	2.188	43	2498	1.302	ug/L #	1
14) Carbon disulfide	2.298	76	23635	0.483	ug/L	99
15) Methyl Acetate	2.452	43	1804	0.405	ug/L #	79
16) Methylene chloride	2.513	84	10337	0.557	ug/L	97
17) Methyl tert-butyl Ether	2.773	73	13096	0.451	ug/L #	92
18) trans-1,2-Dichloroethene	2.767	96	7761	0.463	ug/L	91
19) 1,1-Dichloroethane	3.195	63	15424	0.513	ug/L	96
21) 2-Butanone	4.027	43	3241	1.249	ug/L	98
22) cis-1,2-Dichloroethene	3.921	96	7691	0.450	ug/L	78
23) Bromochloromethane	4.259	128	3588	0.515	ug/L	82
25) Chloroform	4.378	83	15431	0.491	ug/L	100
27) 1,2-Dichloroethane	5.146	62	7885	0.467	ug/L	98
29) 1,1,1-Trichloroethane	4.613	97	13159	0.479	ug/L	98
30) Cyclohexane	4.680	56	10618	0.427	ug/L	95
31) Carbon tetrachloride	4.834	117	11187	0.476	ug/L	99
33) Benzene	5.108	78	31835	0.470	ug/L	100
34) Trichloroethene	5.924	95	8108	0.455	ug/L	90
35) Methylcyclohexane	6.133	83	11787	0.432	ug/L	98
37) 1,2-Dichloropropane	6.185	63	7158	0.439	ug/L	99
38) Bromodichloromethane	6.516	83	9427	0.462	ug/L	99
39) cis-1,3-Dichloropropene	7.040	75	7968	0.389	ug/L	100
40) 4-Methyl-2-pentanone	7.233	43	28406	4.097	ug/L	98
42) Toluene	7.394	91	29482	0.407	ug/L	98
44) trans-1,3-Dichloropropene	7.664	75	7038	0.433	ug/L	95

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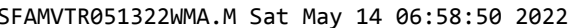
Quant Time: May 14 06:58:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 14 06:57:50 2022
 Response via : Initial Calibration

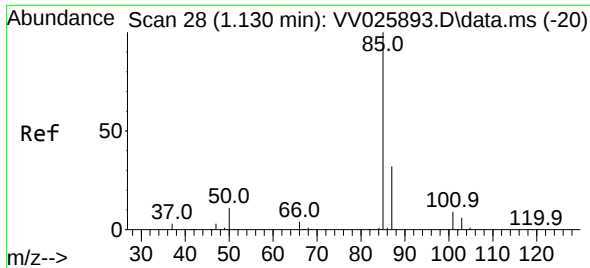
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.844	97	5342	0.508	ug/L	98
47) Tetrachloroethene	7.979	164	6766	0.447	ug/L	92
48) 2-Hexanone	8.149	43	15667	3.215	ug/L	97
49) Dibromochloromethane	8.249	129	5206	0.446	ug/L	96
50) 1,2-Dibromoethane	8.358	107	4468	0.477	ug/L #	85
51) Chlorobenzene	8.882	112	21515	0.468	ug/L	99
52) Ethylbenzene	9.014	91	31584	0.421	ug/L	95
53) m,p-Xylene	9.140	106	11944	0.405	ug/L	95
54) o-Xylene	9.545	106	10958	0.393	ug/L	98
55) Styrene	9.564	104	16637	0.361	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	5371	0.475	ug/L	91
59) Bromoform	9.735	173	2434	0.527	ug/L #	77
60) Isopropylbenzene	9.931	105	28274	0.428	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	4402	0.560	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	11928	0.422	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	20634	0.399	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	14727	0.484	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	16227	0.525	ug/L	96
67) 1,2-Dichlorobenzene	11.644	146	13952	0.515	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	606	0.415	ug/L	88
69) 1,3,5-Trichlorobenzene	12.644	180	11645	0.508	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	8666	0.509	ug/L	98
71) Naphthalene	13.503	128	12358	0.509	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	7447	0.532	ug/L	98

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

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QLast Update : Sat May 14 06:57:50 2022
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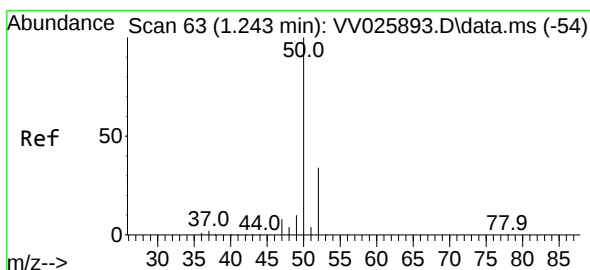
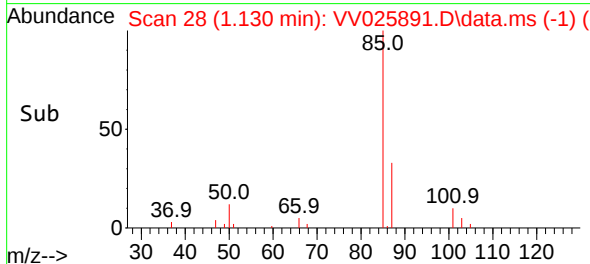
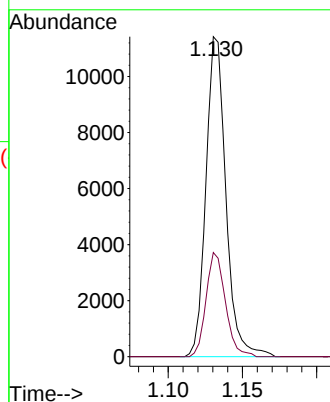
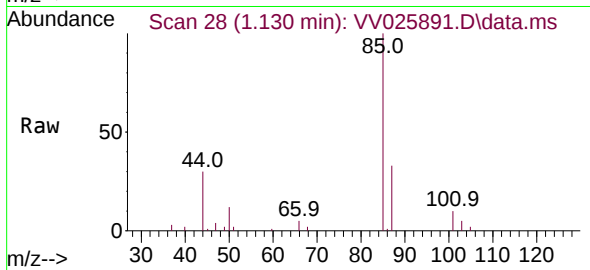




#2
 Dichlorodifluoromethane
 Concen: 0.466 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

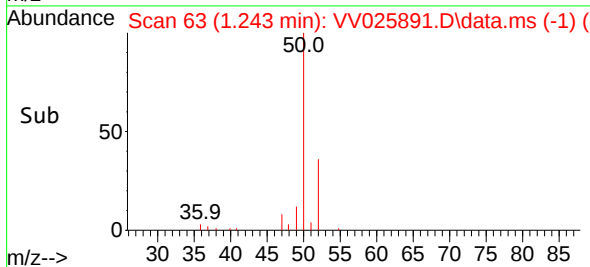
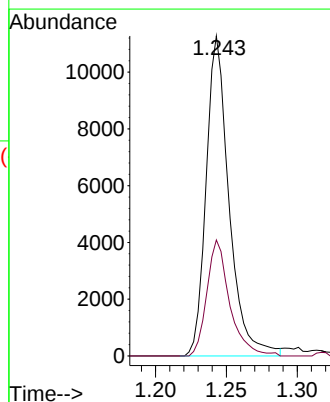
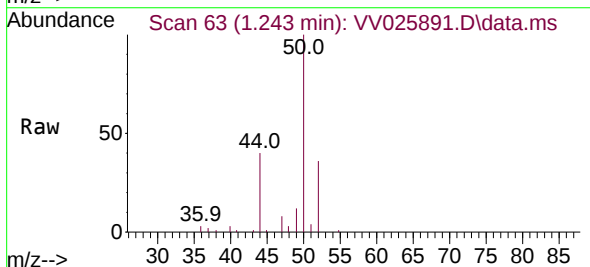
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5243

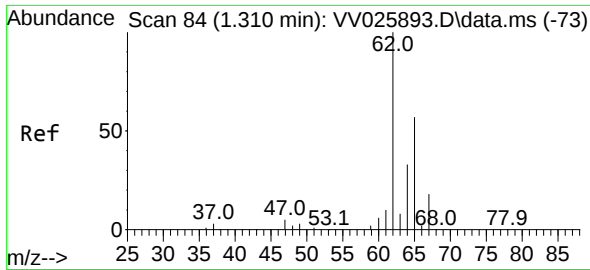
Tgt Ion: 85 Resp: 10667
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.0 39.0



#3
 Chloromethane
 Concen: 0.478 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

Tgt Ion: 50 Resp: 12683
 Ion Ratio Lower Upper
 50 100
 52 36.2 23.9 44.3

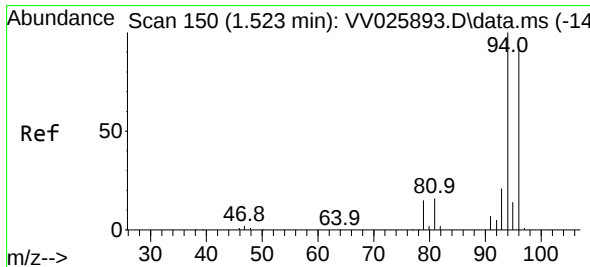
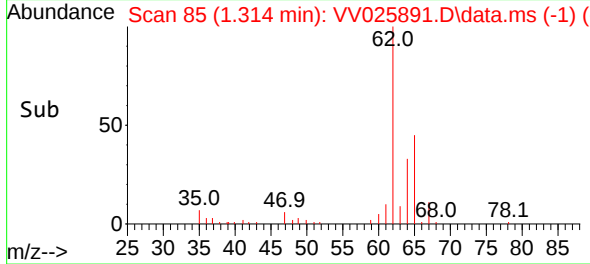
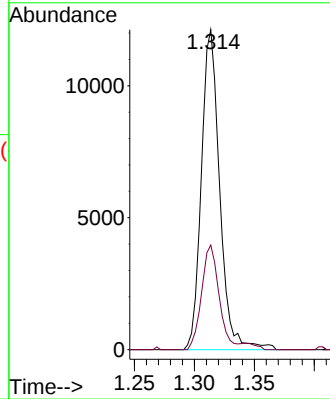
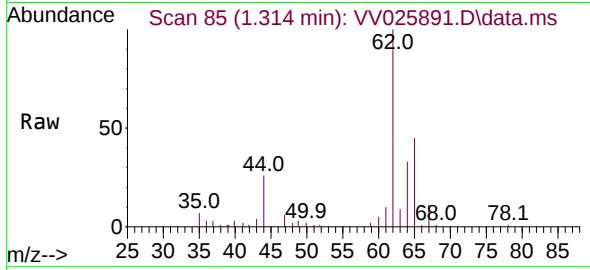




#5
 Vinyl chloride
 Concen: 0.482 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

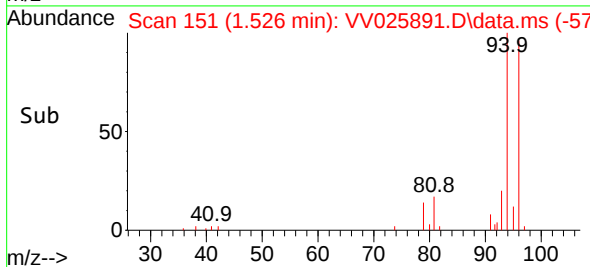
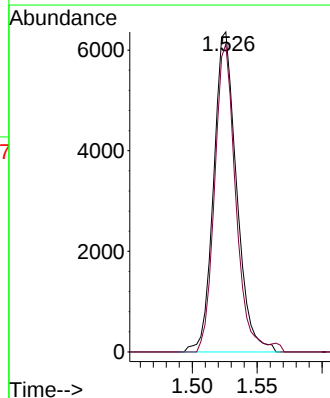
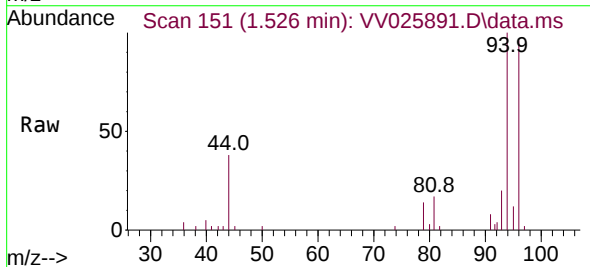
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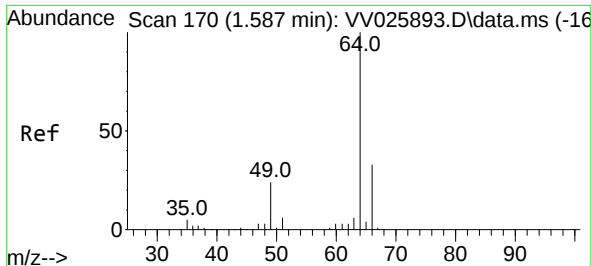
Tgt Ion: 62 Resp: 12926
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 0.526 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

Tgt Ion: 94 Resp: 7797
 Ion Ratio Lower Upper
 94 100
 96 96.1 65.4 121.4

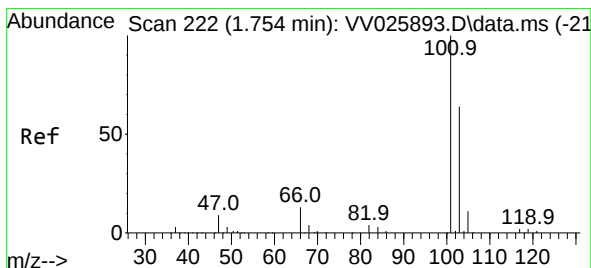
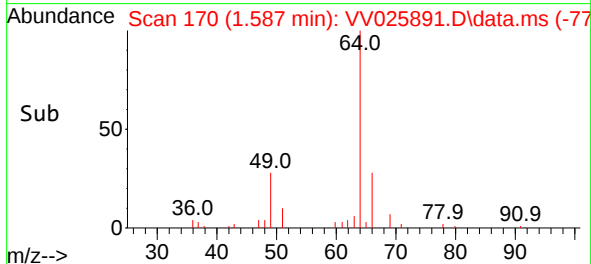
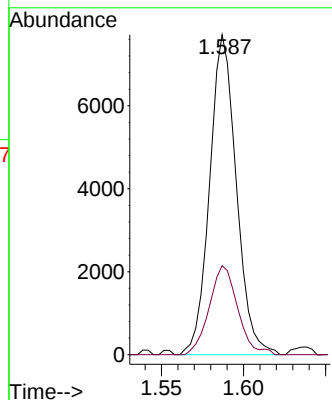
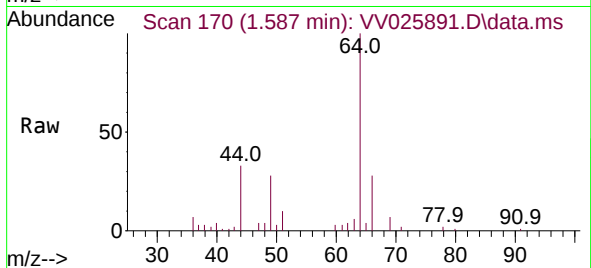




#8
Chloroethane
Concen: 0.503 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

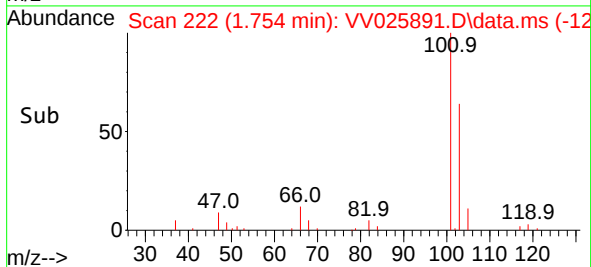
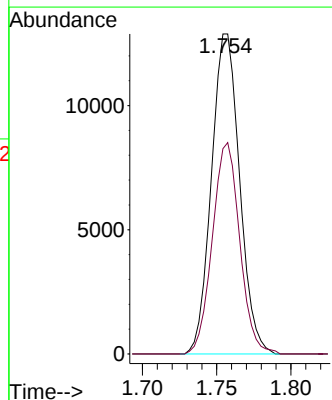
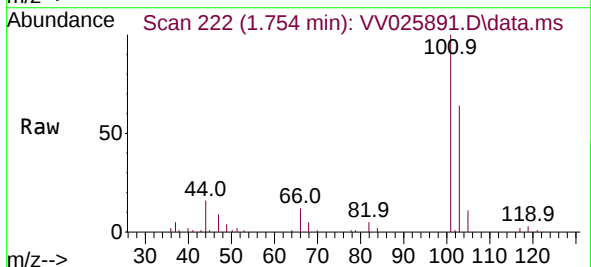
Instrument :
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ClientSampleId :
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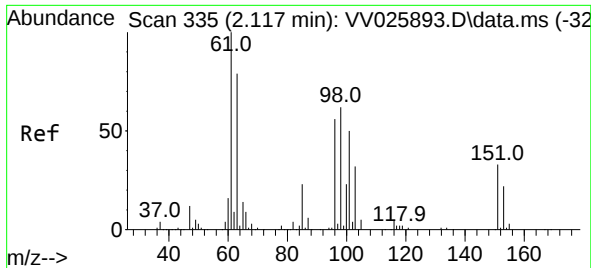
Tgt Ion: 64 Resp: 8727
Ion Ratio Lower Upper
64 100
66 27.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.462 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:101 Resp: 17006
Ion Ratio Lower Upper
101 100
103 64.1 50.6 76.0

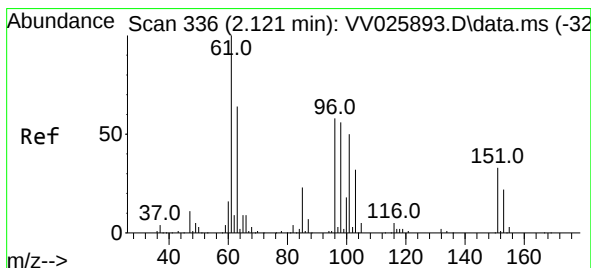
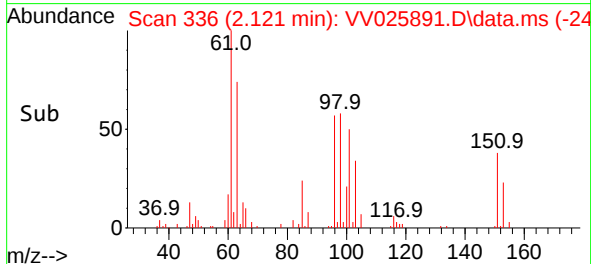
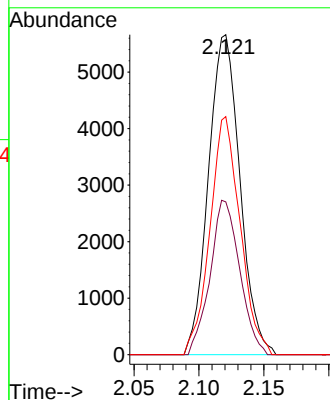
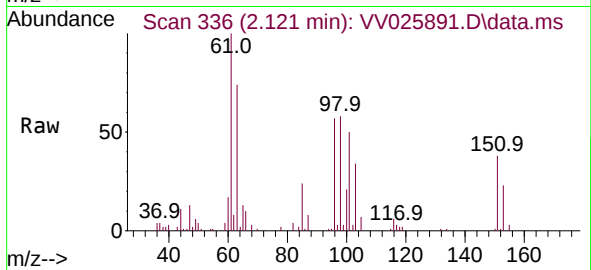




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.478 ug/L
 RT: 2.121 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

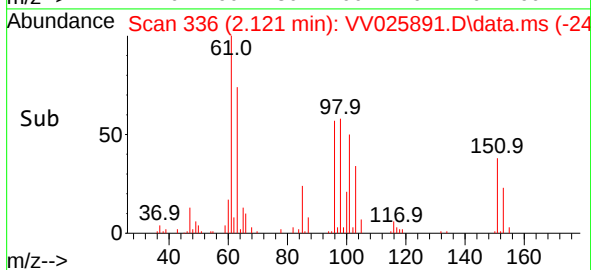
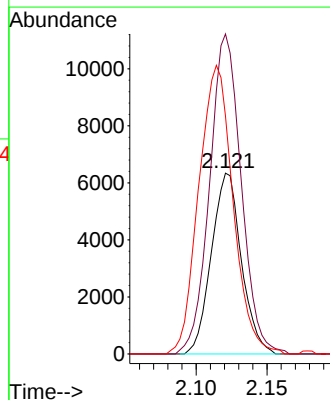
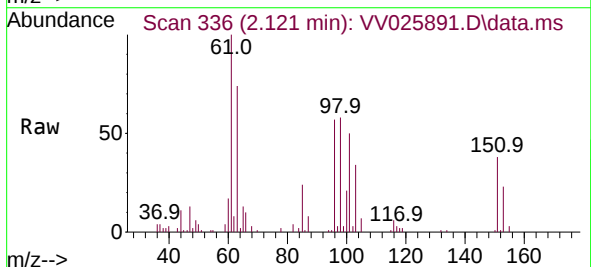
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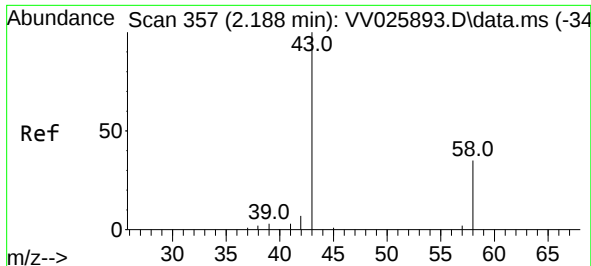
Tgt Ion:101 Resp: 9538
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.7 53.5
 151 71.3 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 0.486 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

Tgt Ion: 96 Resp: 9323
 Ion Ratio Lower Upper
 96 100
 61 176.9 119.8 222.6
 63 131.6 78.3 145.3





#13

Acetone

Concen: 1.302 ug/L

RT: 2.188 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

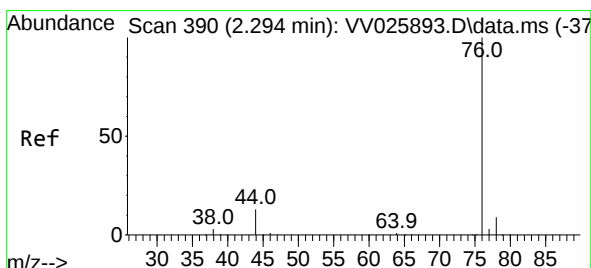
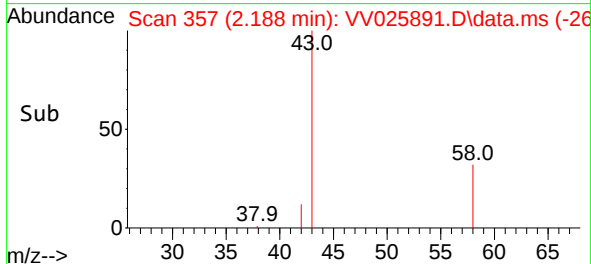
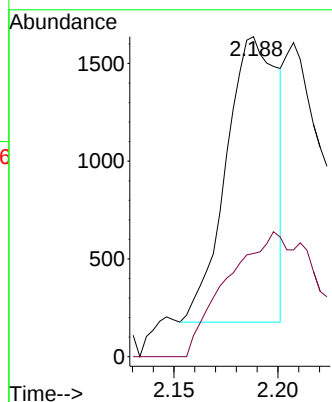
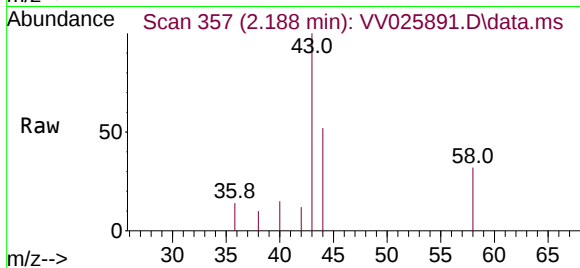
VSTD0.5243

Tgt Ion: 43 Resp: 2498

Ion Ratio Lower Upper

43 100

58 92.3 0.0 44.6#



#14

Carbon disulfide

Concen: 0.483 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV025891.D

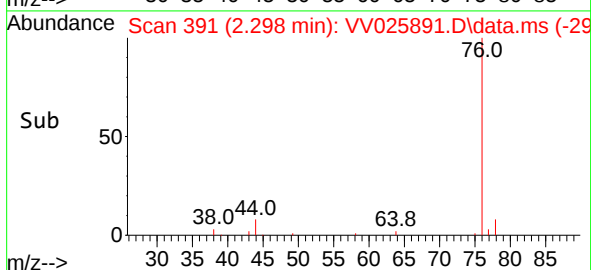
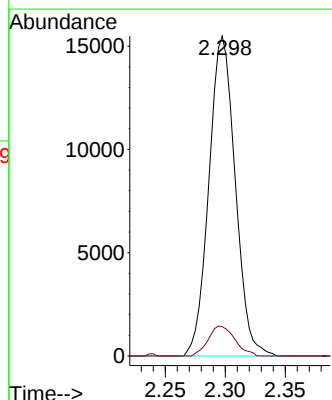
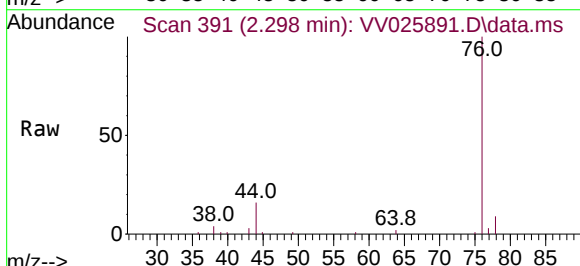
Acq: 13 May 2022 15:14

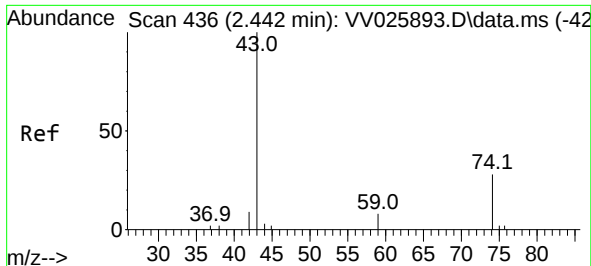
Tgt Ion: 76 Resp: 23635

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

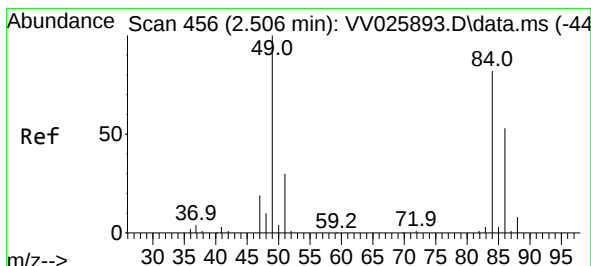
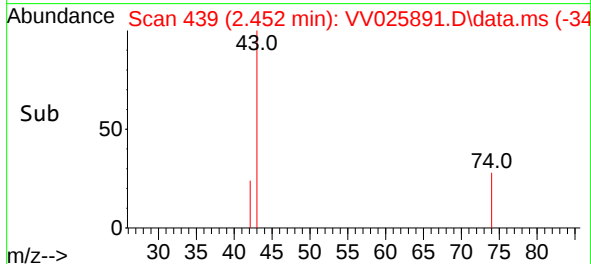
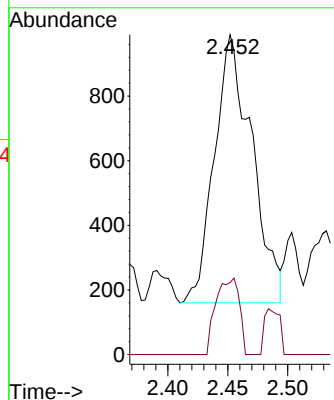
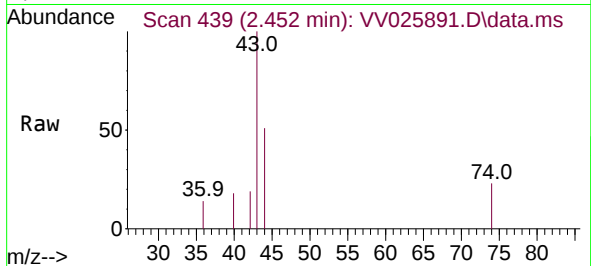




#15
Methyl Acetate
Concen: 0.405 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

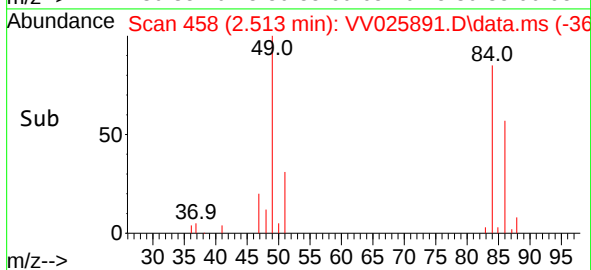
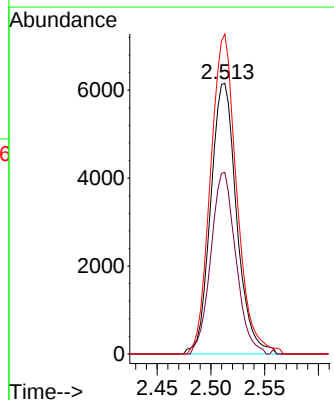
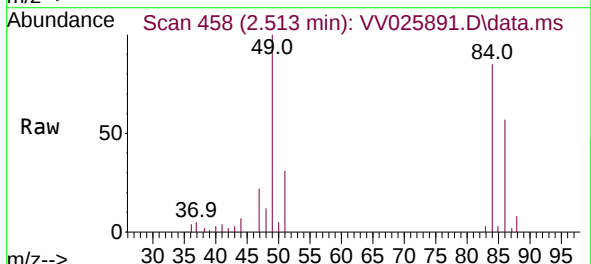
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

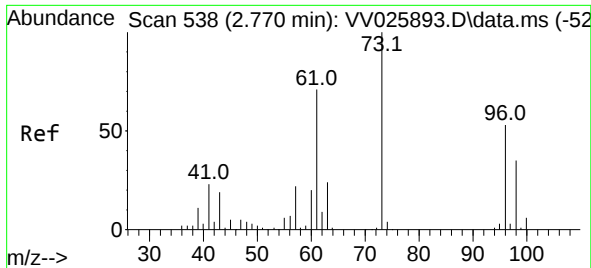
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
74 17.7 23.3 34.9#



#16
Methylene chloride
Concen: 0.557 ug/L
RT: 2.513 min Scan# 458
Delta R.T. 0.007 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 84 Resp: 10337
Ion Ratio Lower Upper
84 100
86 67.1 45.4 84.2
49 118.3 85.6 159.0

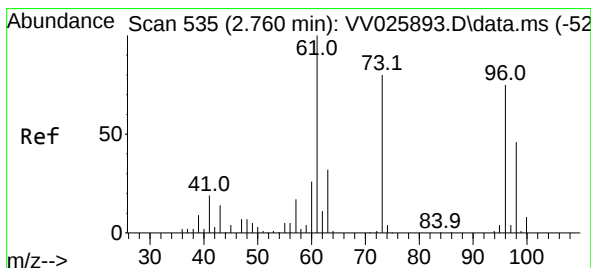
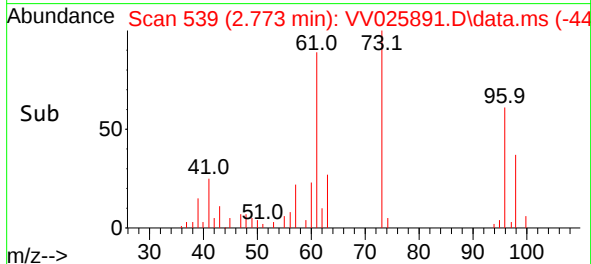
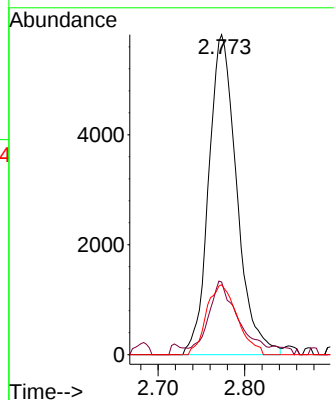
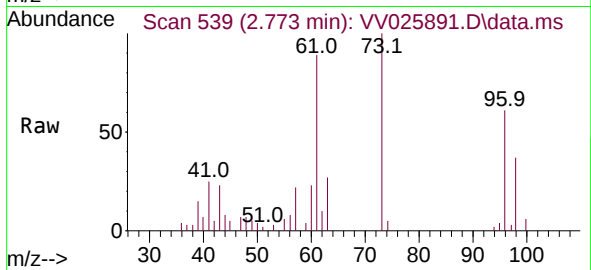




#17
Methyl tert-butyl Ether
Concen: 0.451 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

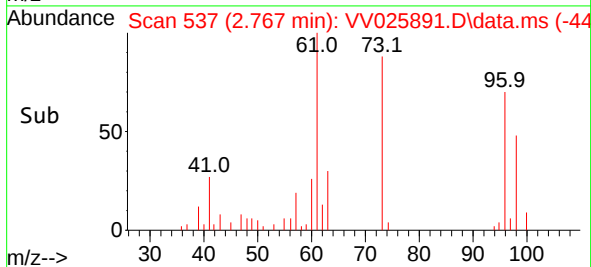
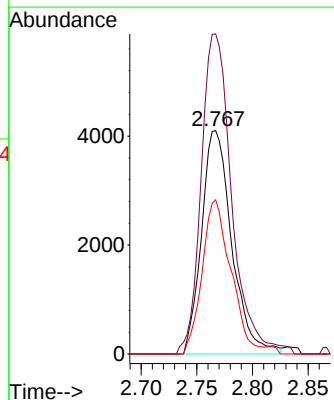
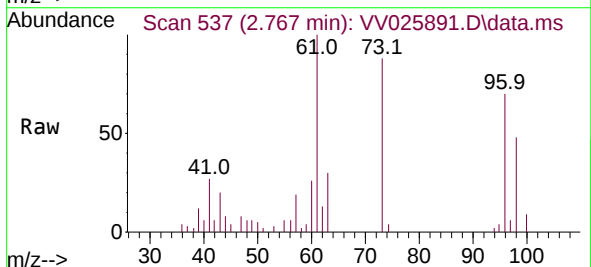
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

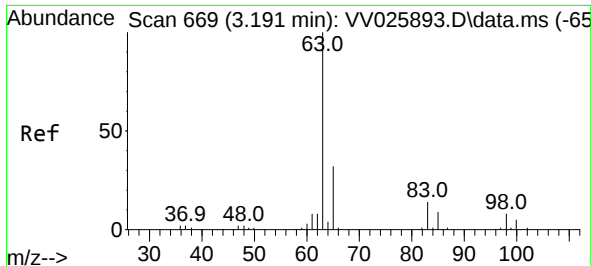
Tgt Ion: 73 Resp: 13096
Ion Ratio Lower Upper
73 100
43 24.4 14.6 22.0#
57 24.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.463 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.007 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 96 Resp: 7761
Ion Ratio Lower Upper
96 100
61 143.2 93.6 173.8
98 69.0 42.8 79.4





#19

1,1-Dichloroethane

Concen: 0.513 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

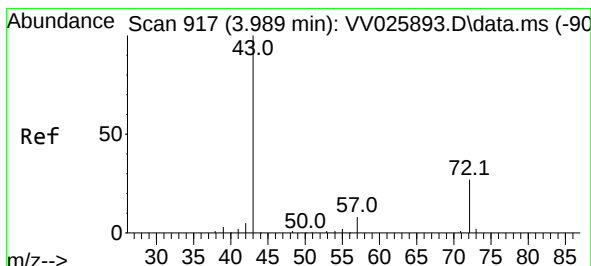
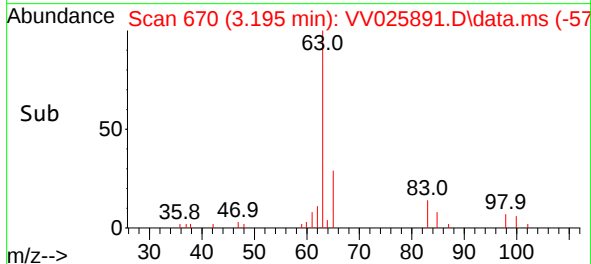
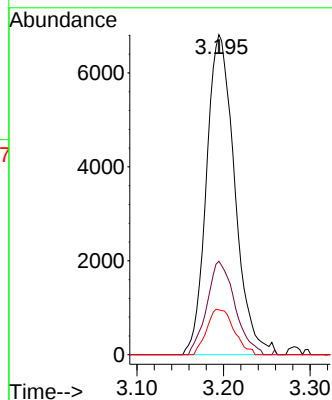
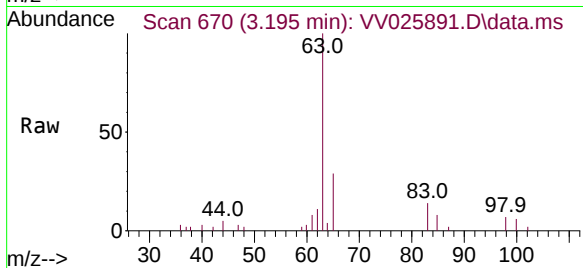
Tgt Ion: 63 Resp: 15424

Ion Ratio Lower Upper

63 100

65 29.2 22.3 41.5

83 14.0 10.0 18.6



#21

2-Butanone

Concen: 1.249 ug/L

RT: 4.027 min Scan# 929

Delta R.T. 0.039 min

Lab File: VV025891.D

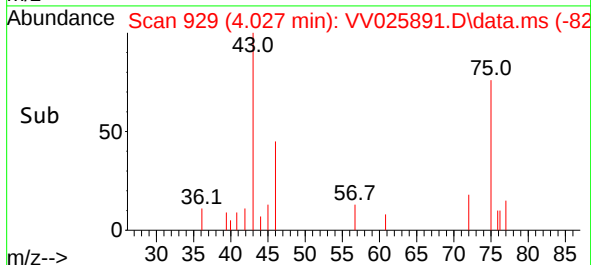
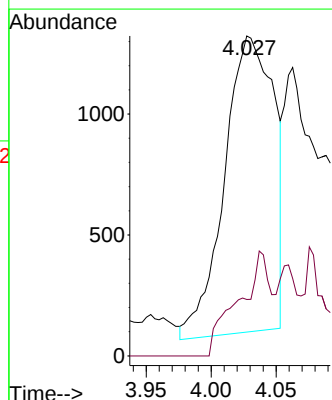
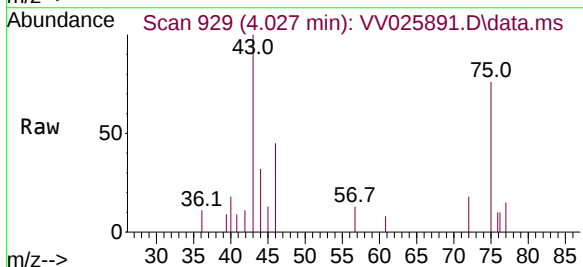
Acq: 13 May 2022 15:14

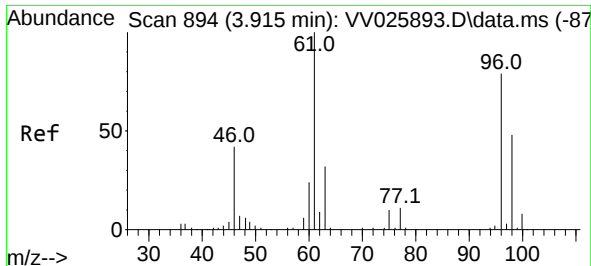
Tgt Ion: 43 Resp: 3241

Ion Ratio Lower Upper

43 100

72 22.0 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 0.450 ug/L

RT: 3.921 min Scan# 894

Delta R.T. 0.007 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

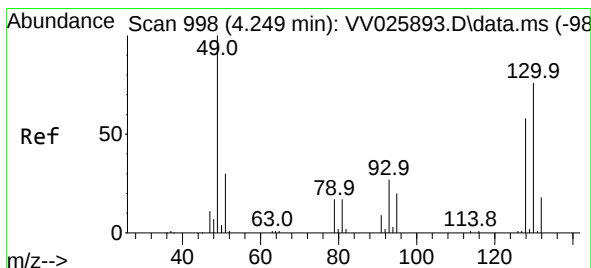
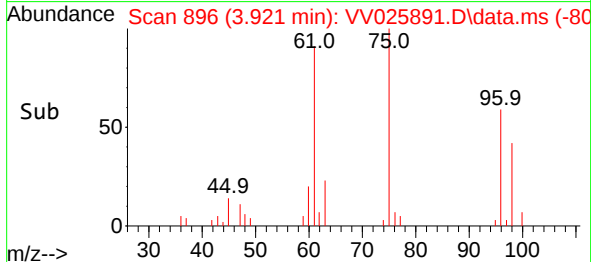
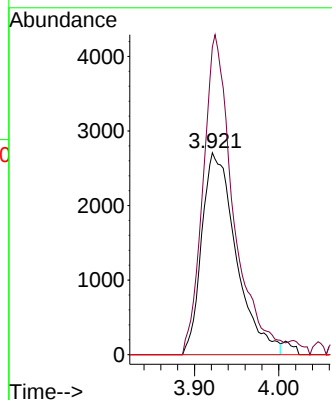
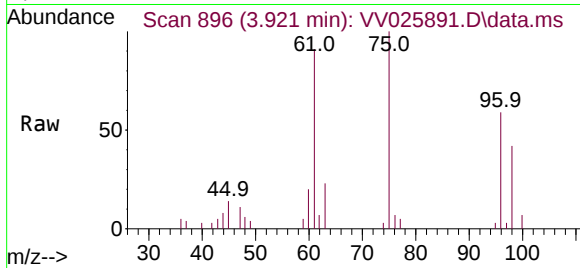
Tgt Ion: 96 Resp: 7691

Ion Ratio Lower Upper

96 100

61 152.5 88.9 165.1

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.515 ug/L

RT: 4.259 min Scan# 1001

Delta R.T. 0.010 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Tgt Ion: 128 Resp: 3588

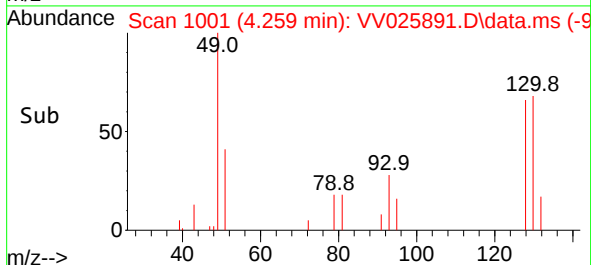
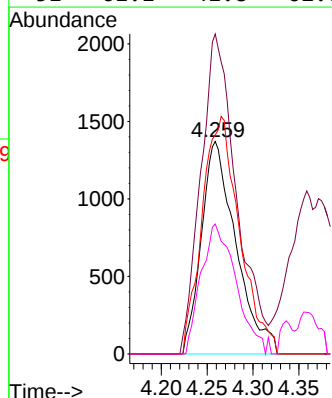
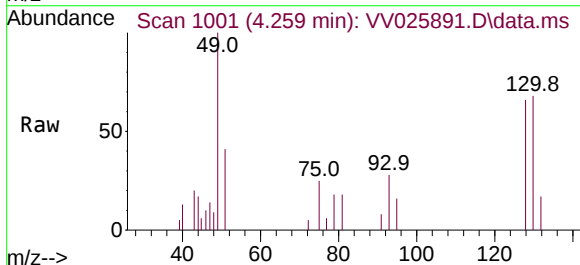
Ion Ratio Lower Upper

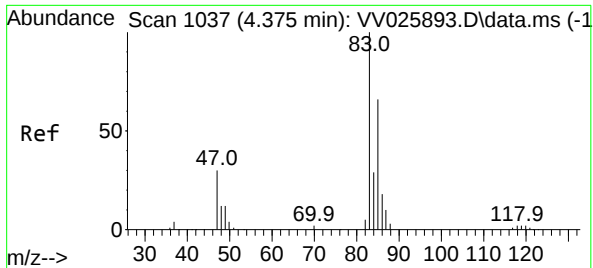
128 100

49 150.5 121.0 224.8

130 103.1 90.8 168.6

51 61.1 41.8 62.6

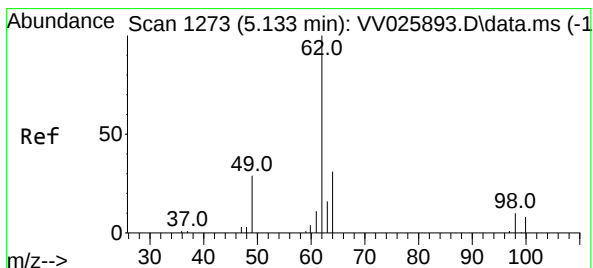
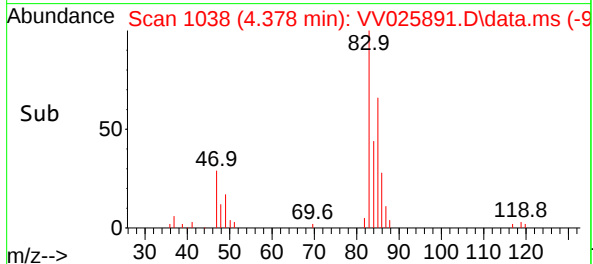
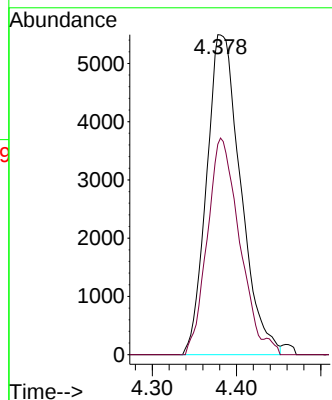
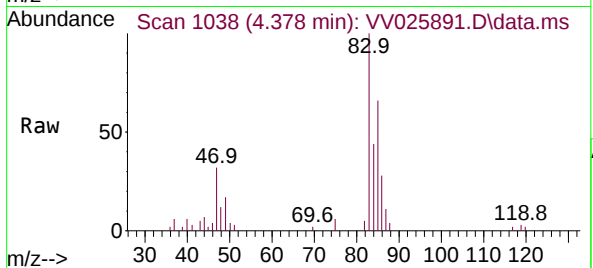




#25
Chloroform
Concen: 0.491 ug/L
RT: 4.378 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

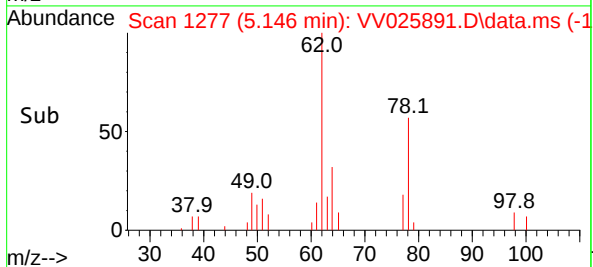
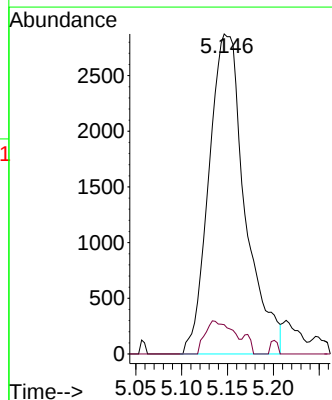
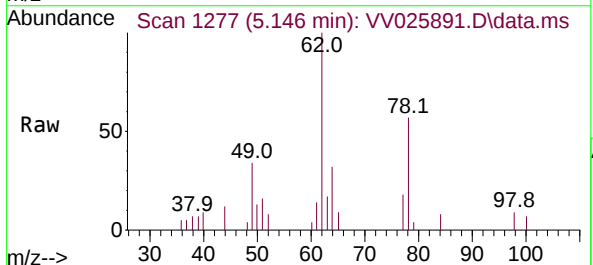
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

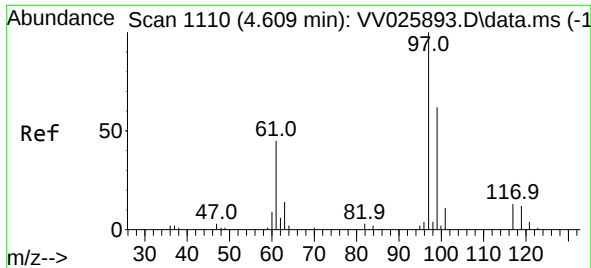
Tgt Ion: 83 Resp: 15431
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.467 ug/L
RT: 5.146 min Scan# 1277
Delta R.T. 0.013 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 62 Resp: 7885
Ion Ratio Lower Upper
62 100
98 9.2 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 0.479 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

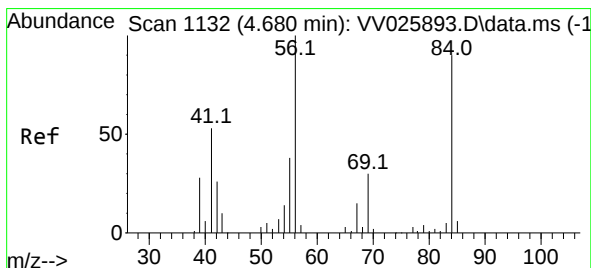
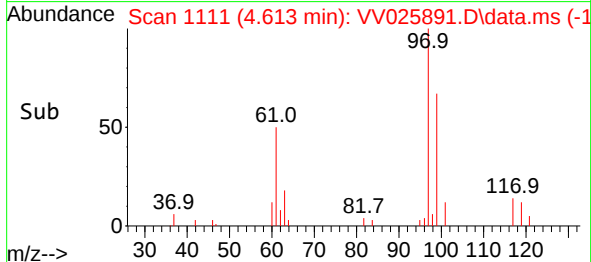
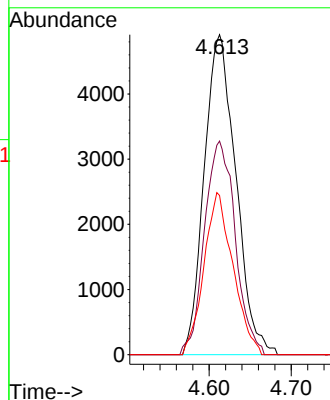
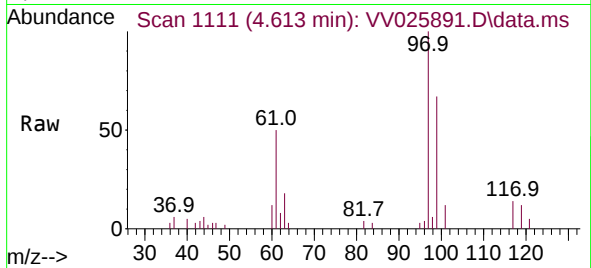
Tgt Ion: 97 Resp: 13159

Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 46.5 36.3 54.5



#30

Cyclohexane

Concen: 0.427 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

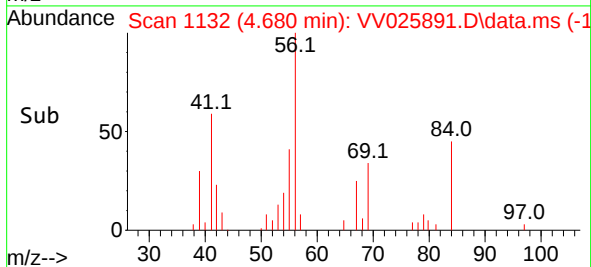
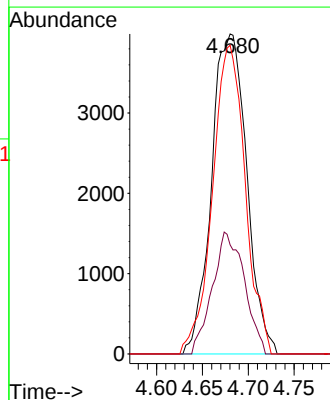
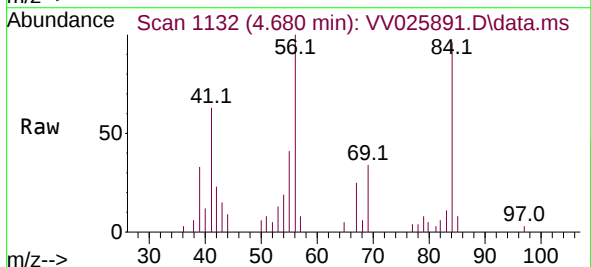
Tgt Ion: 56 Resp: 10618

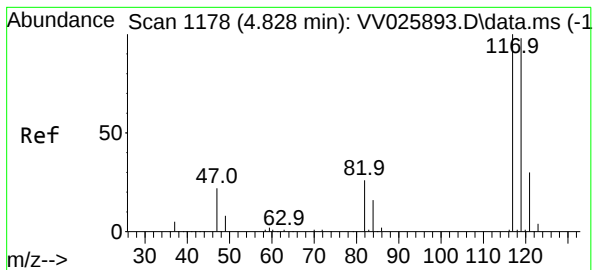
Ion Ratio Lower Upper

56 100

69 34.6 24.6 37.0

84 89.8 75.0 112.4

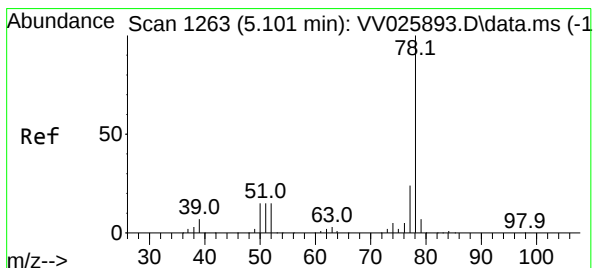
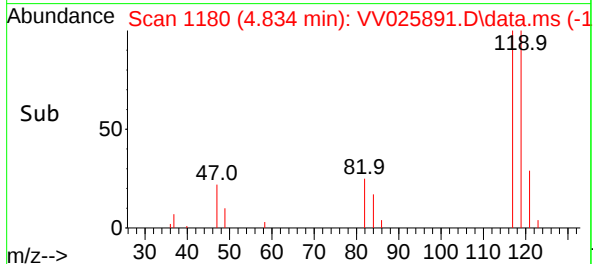
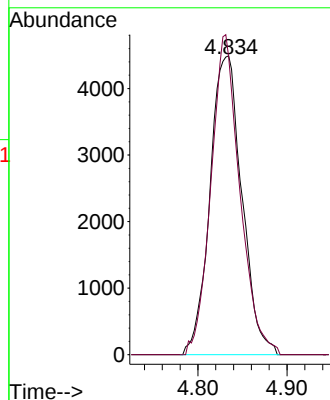
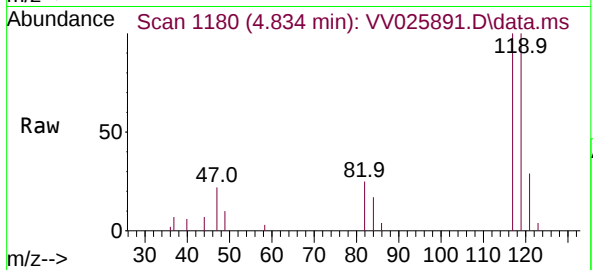




#31
Carbon tetrachloride
Concen: 0.476 ug/L
RT: 4.834 min Scan# 1178
Delta R.T. 0.007 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

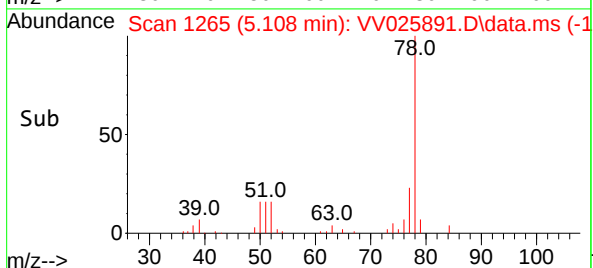
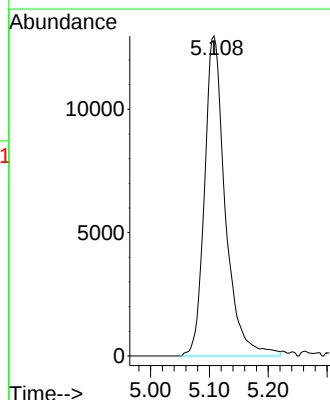
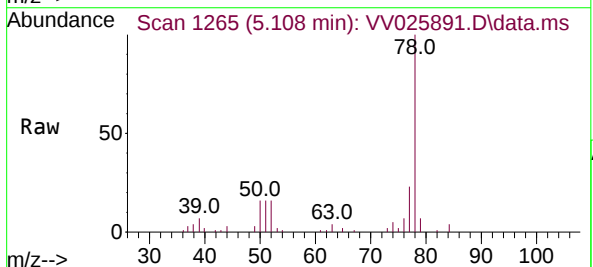
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

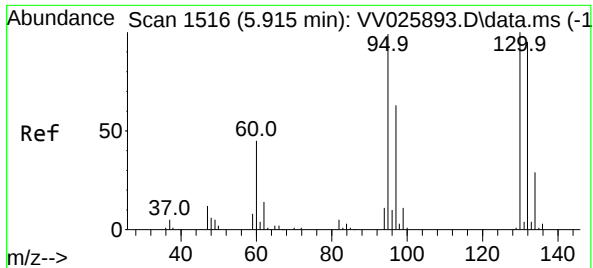
Tgt Ion:117 Resp: 11187
Ion Ratio Lower Upper
117 100
119 96.8 77.0 115.6



#33
Benzene
Concen: 0.470 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.007 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 78 Resp: 31835



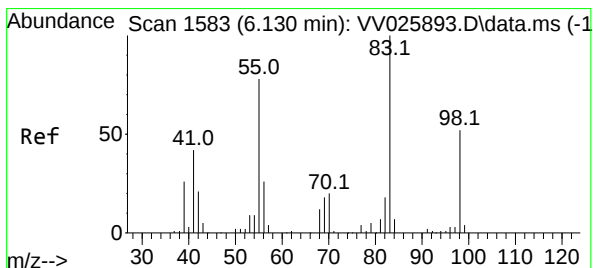
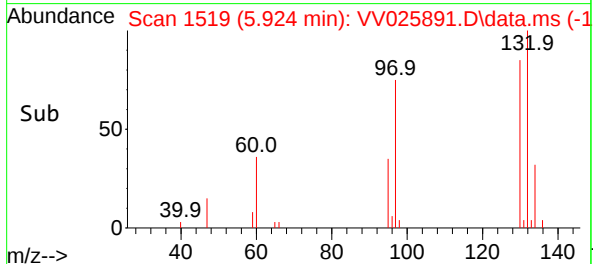
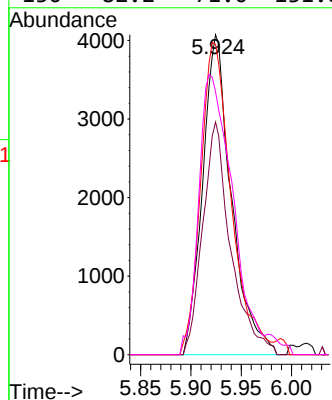
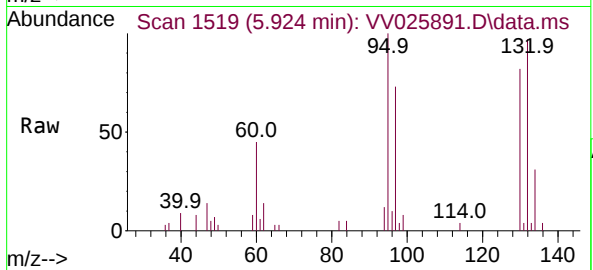


#34
Trichloroethene
Concen: 0.455 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.010 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

Tgt Ion: 95 Resp: 8108

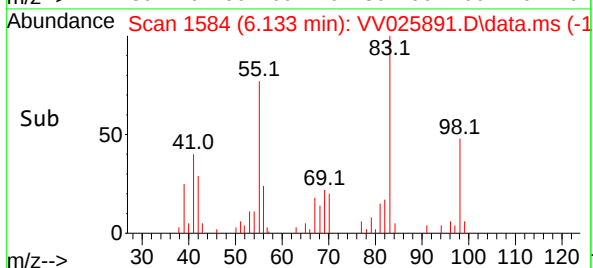
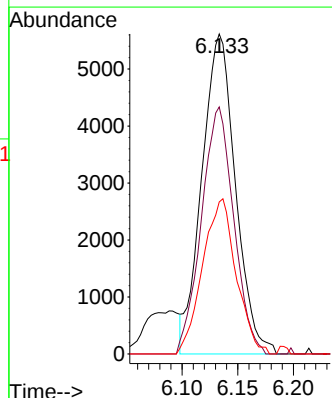
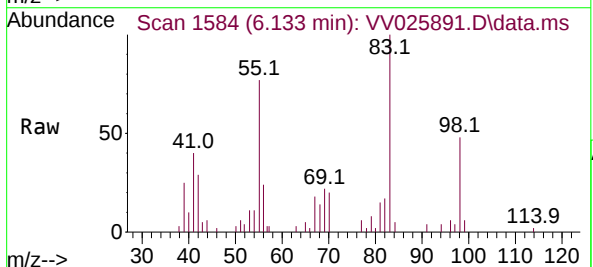
Ion	Ratio	Lower	Upper
95	100		
97	72.7	44.9	83.3
132	97.0	67.6	125.6
130	82.2	71.0	131.8

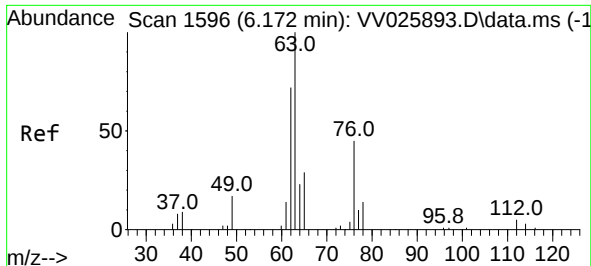


#35
Methylcyclohexane
Concen: 0.432 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 83 Resp: 11787

Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.1	90.1
98	48.4	40.6	61.0

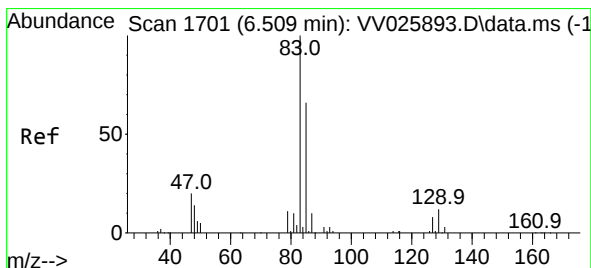
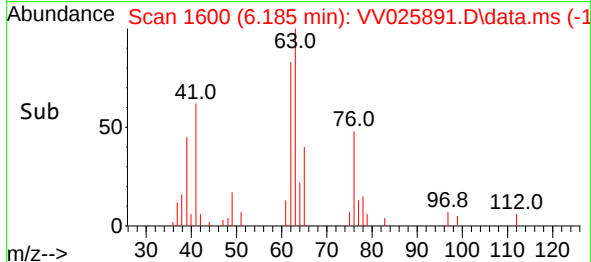
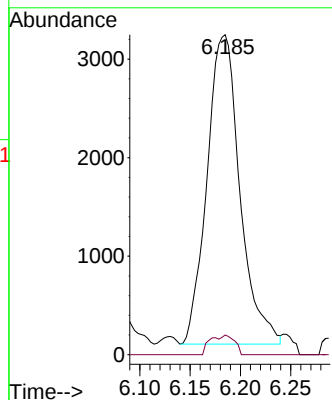
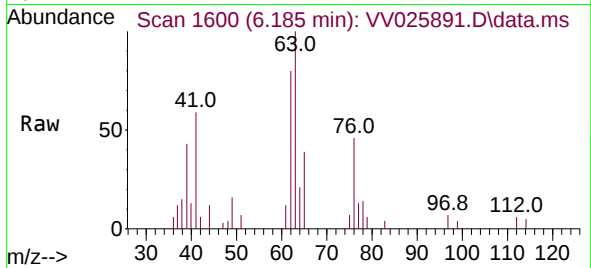




#37
1,2-Dichloropropane
Concen: 0.439 ug/L
RT: 6.185 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

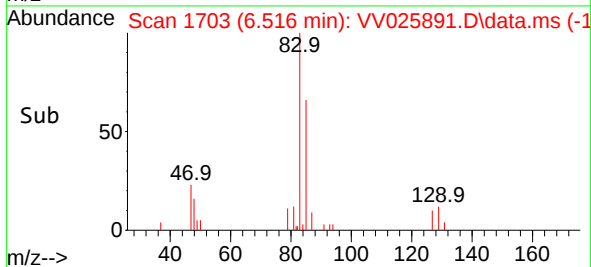
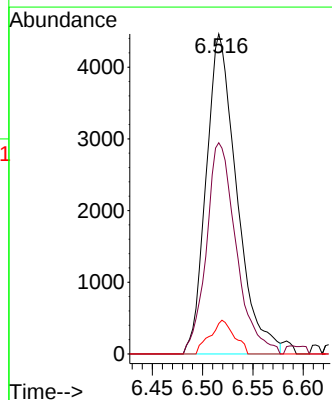
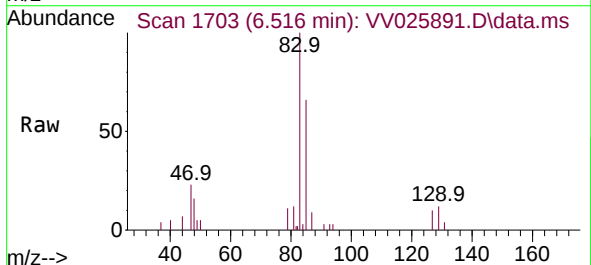
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

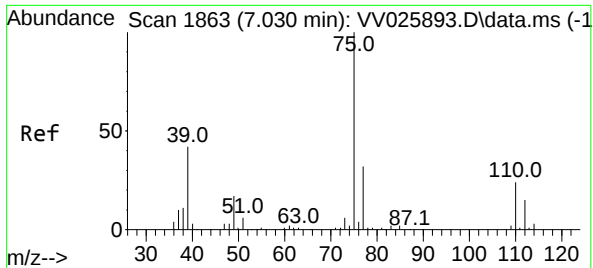
Tgt Ion: 63 Resp: 7158
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9



#38
Bromodichloromethane
Concen: 0.462 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.007 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 83 Resp: 9427
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.5
127 9.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 0.389 ug/L

RT: 7.040 min Scan# 1866

Delta R.T. 0.010 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

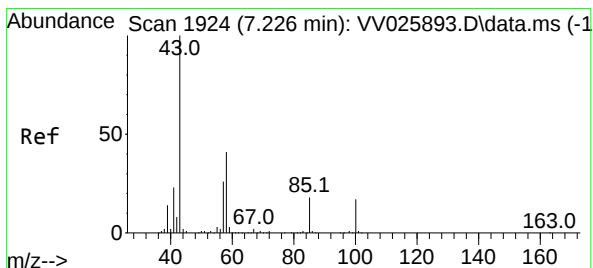
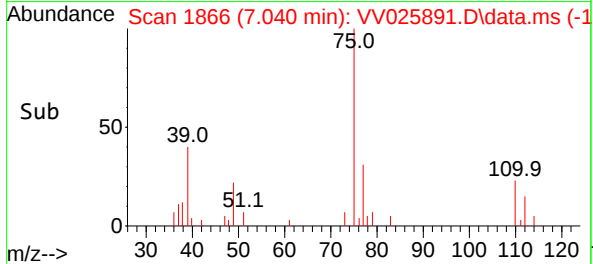
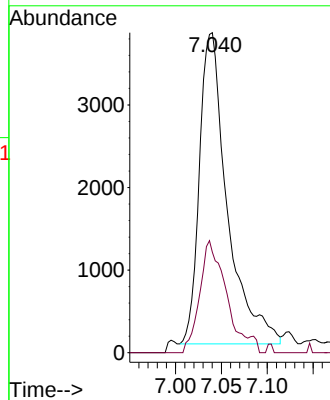
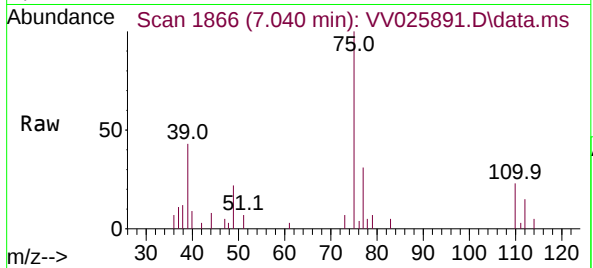
VSTD0.5243

Tgt Ion: 75 Resp: 7968

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 4.097 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.007 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

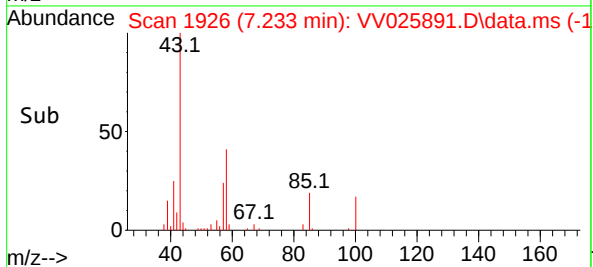
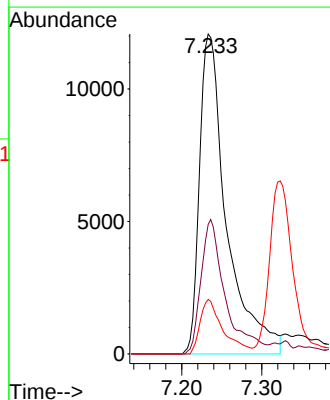
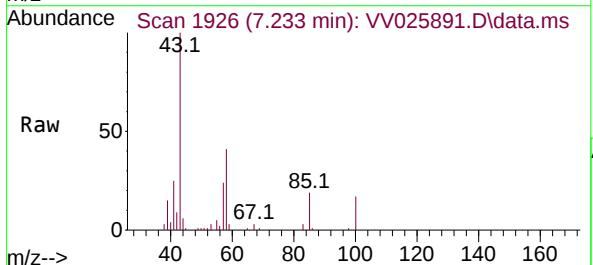
Tgt Ion: 43 Resp: 28406

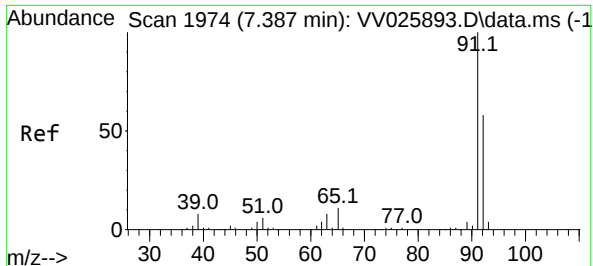
Ion Ratio Lower Upper

43 100

58 38.1 31.6 47.4

100 14.6 12.2 18.4





#42

Toluene

Concen: 0.407 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.007 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

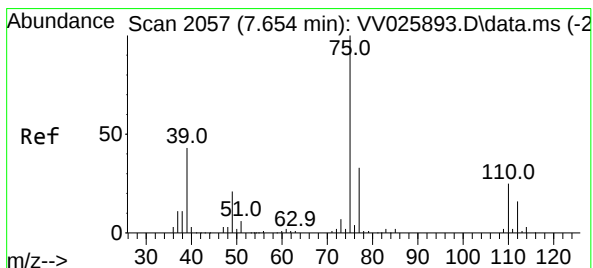
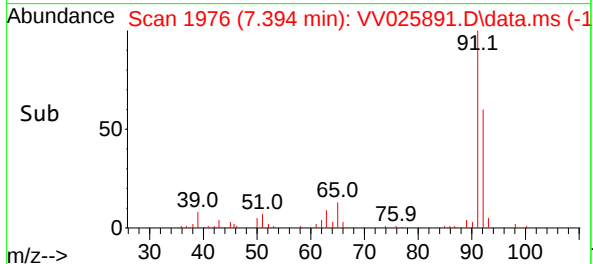
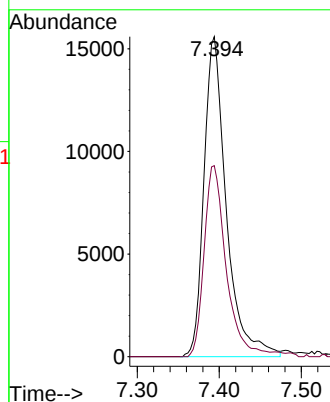
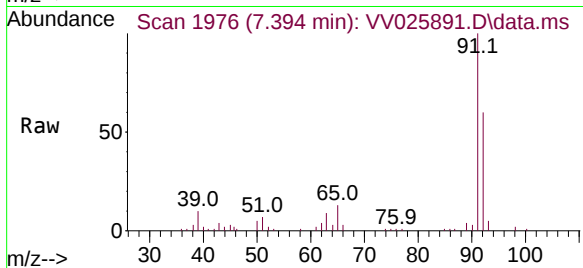
VSTD0.5243

Tgt Ion: 91 Resp: 29482

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.433 ug/L

RT: 7.664 min Scan# 2060

Delta R.T. 0.010 min

Lab File: VV025891.D

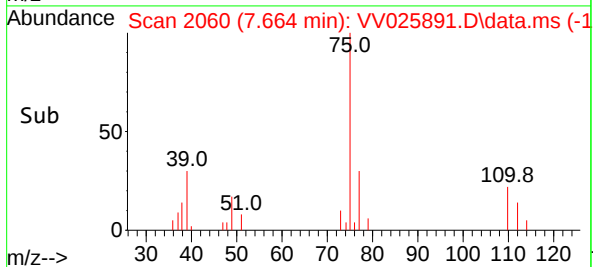
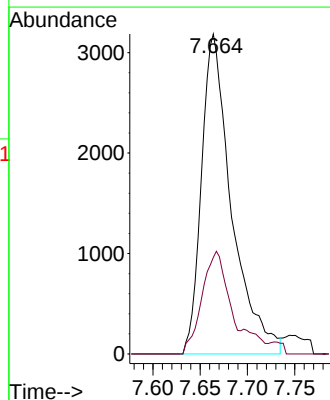
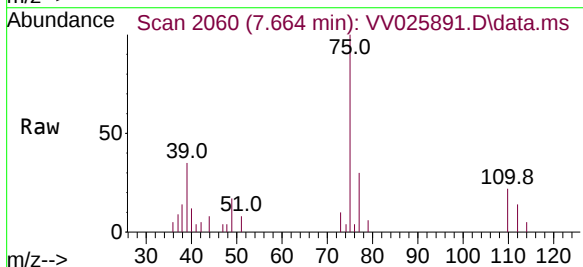
Acq: 13 May 2022 15:14

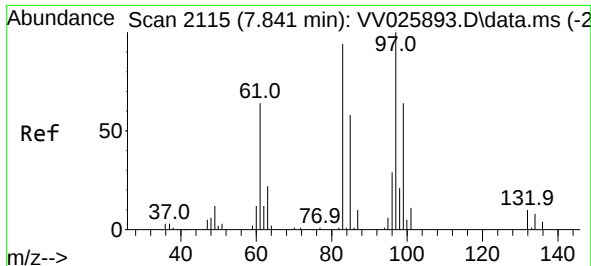
Tgt Ion: 75 Resp: 7038

Ion Ratio Lower Upper

75 100

77 30.1 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 0.508 ug/L

RT: 7.844 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

Tgt Ion: 97 Resp: 5342

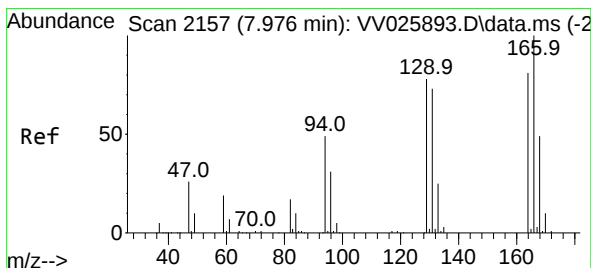
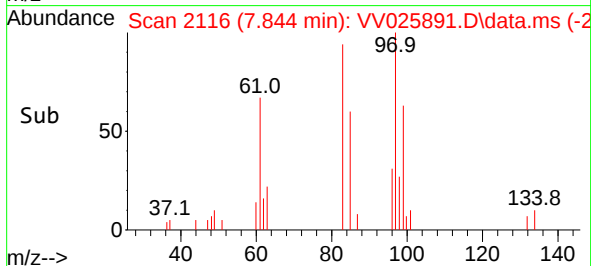
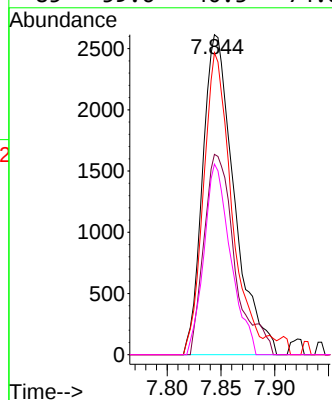
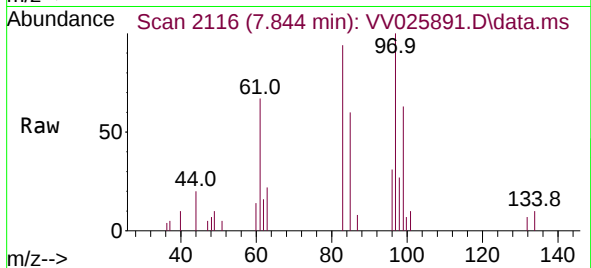
Ion Ratio Lower Upper

97 100

99 62.6 44.8 83.2

83 94.4 65.7 121.9

85 59.6 40.3 74.8



#47

Tetrachloroethene

Concen: 0.447 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Tgt Ion: 164 Resp: 6766

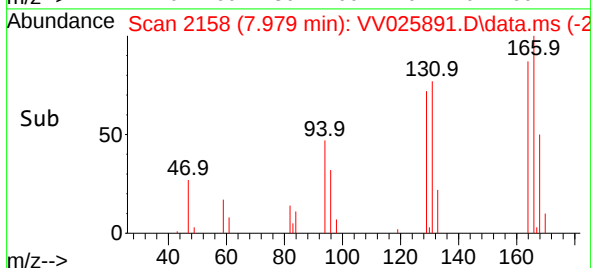
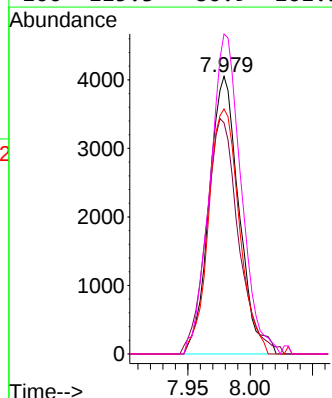
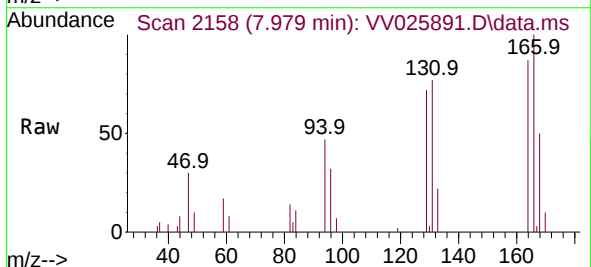
Ion Ratio Lower Upper

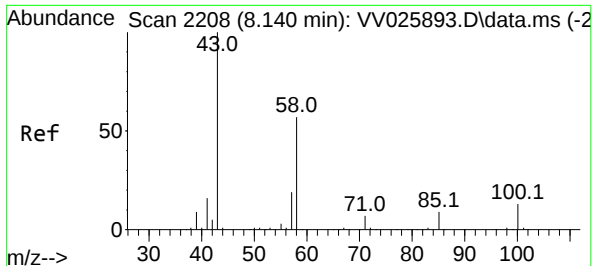
164 100

129 83.2 67.5 125.4

131 88.3 63.8 118.4

166 115.3 86.9 161.3

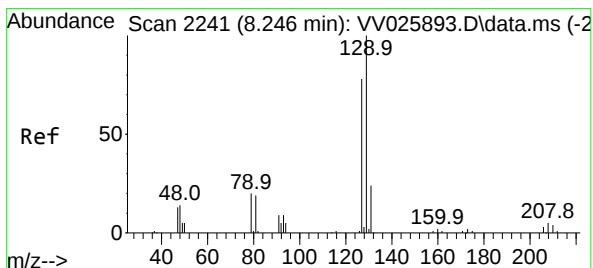
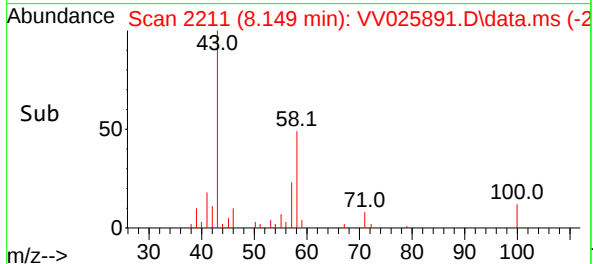
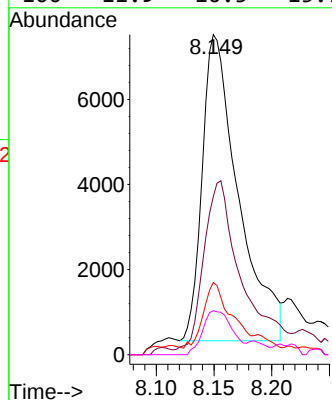
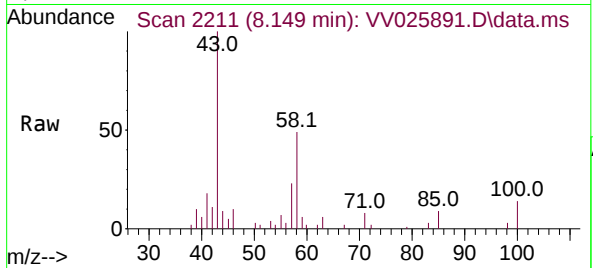




#48
2-Hexanone
Concen: 3.215 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

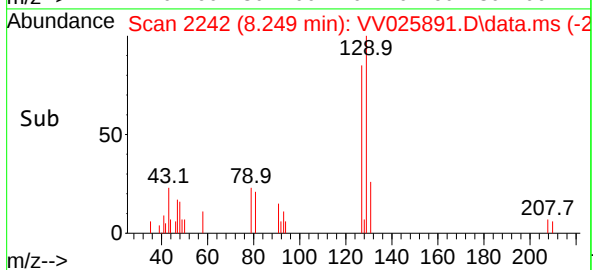
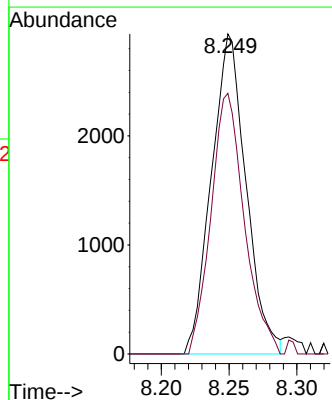
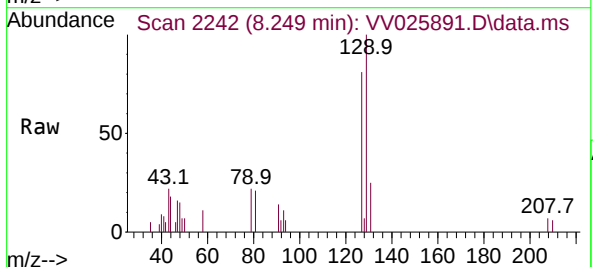
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

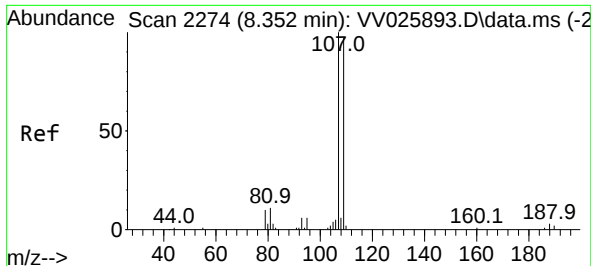
Tgt Ion: 43	Resp: 15667
Ion Ratio	Lower Upper
43 100	
58 58.1	44.7 67.1
57 18.1	14.9 22.3
100 11.9	10.5 15.7



#49
Dibromochloromethane
Concen: 0.446 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:129	Resp:	5206	
Ion	Ratio	Lower	Upper
129	100		
127	81.5	54.5	101.1





#50

1,2-Dibromoethane

Concen: 0.477 ug/L

RT: 8.358 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

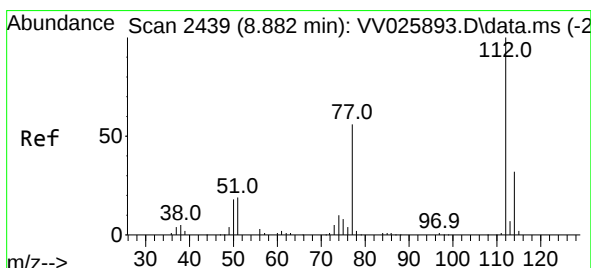
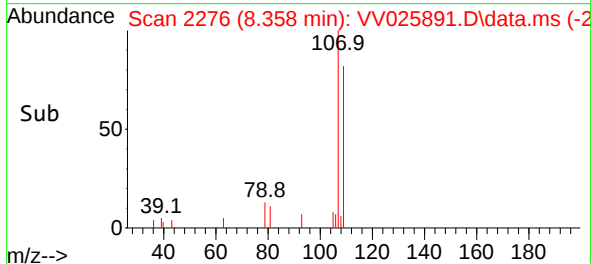
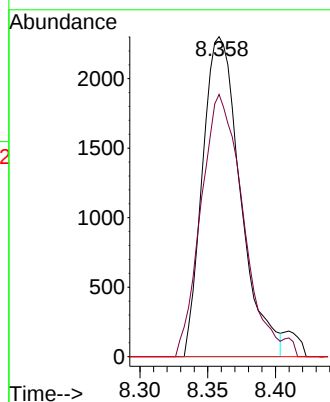
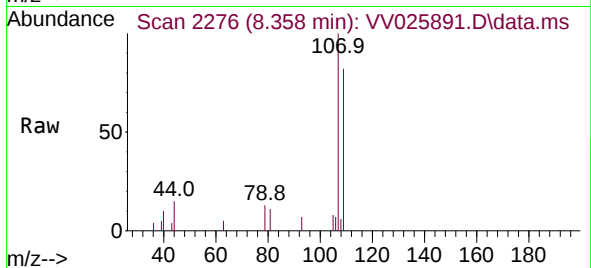
Tgt Ion:107 Resp: 4468

Ion Ratio Lower Upper

107 100

109 82.0 68.1 126.5

188 0.0 2.7 4.1#



#51

Chlorobenzene

Concen: 0.468 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

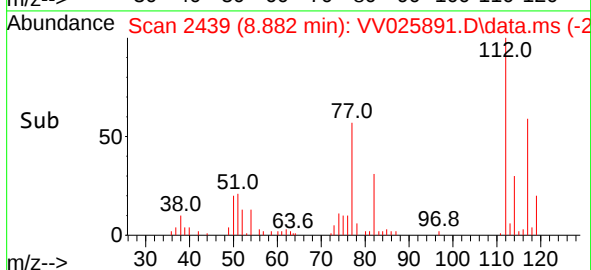
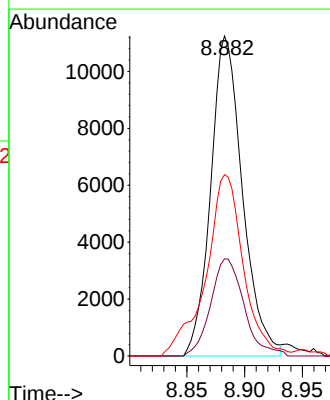
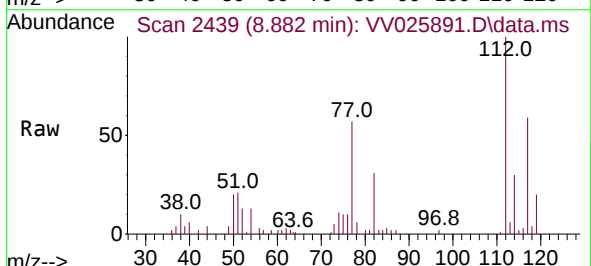
Tgt Ion:112 Resp: 21515

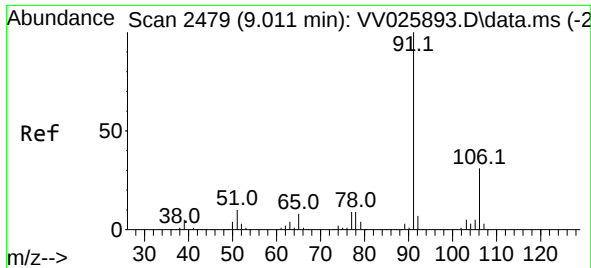
Ion Ratio Lower Upper

112 100

114 30.3 22.3 41.3

77 56.7 45.3 67.9





#52

Ethylbenzene

Concen: 0.421 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

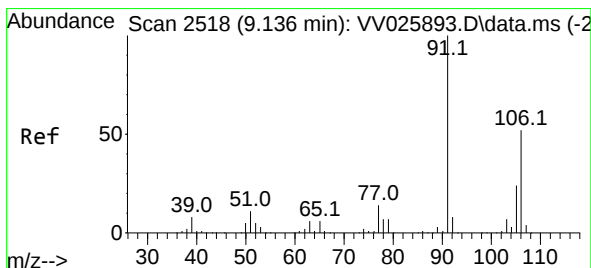
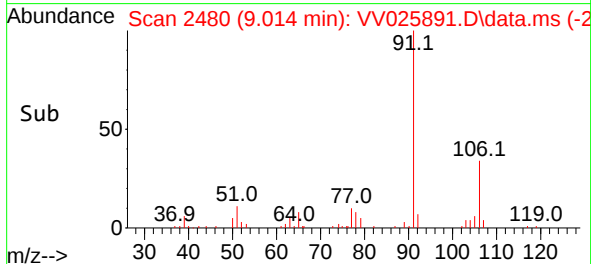
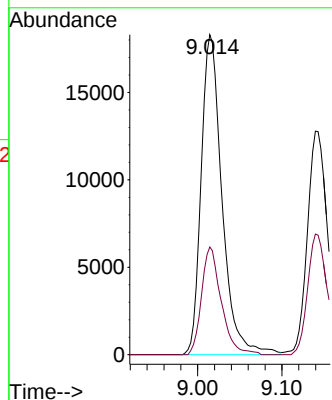
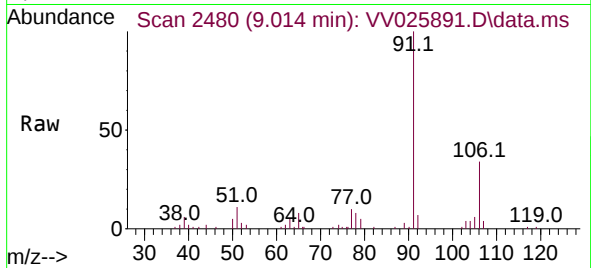
VSTD0.5243

Tgt Ion: 91 Resp: 31584

Ion Ratio Lower Upper

91 100

106 33.6 21.6 40.0



#53

m,p-Xylene

Concen: 0.405 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV025891.D

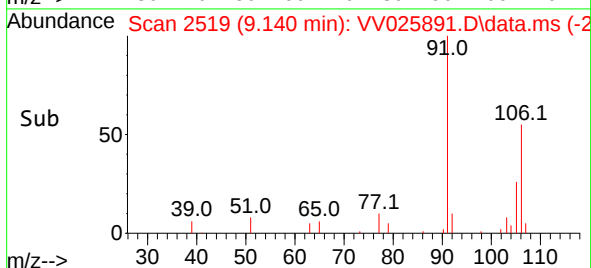
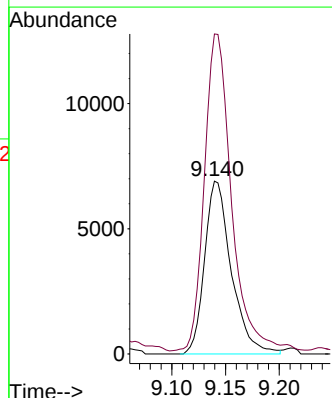
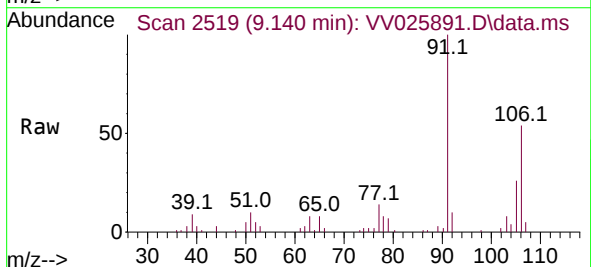
Acq: 13 May 2022 15:14

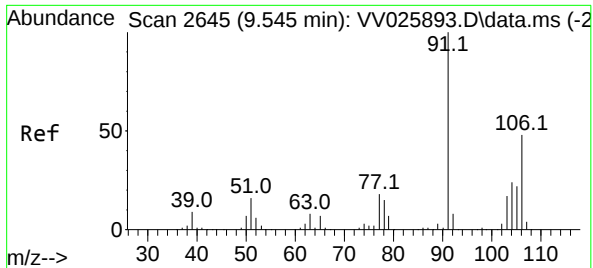
Tgt Ion: 106 Resp: 11944

Ion Ratio Lower Upper

106 100

91 185.2 135.3 251.3

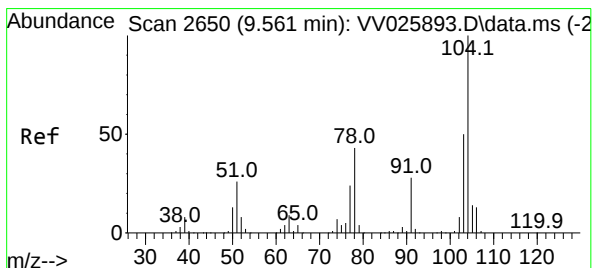
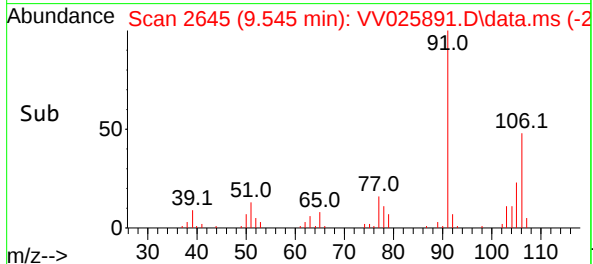
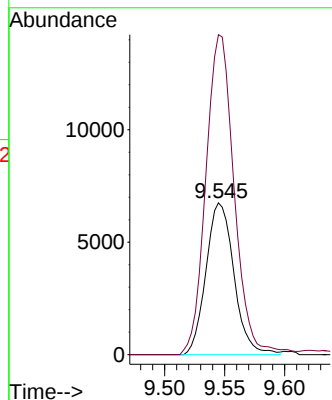
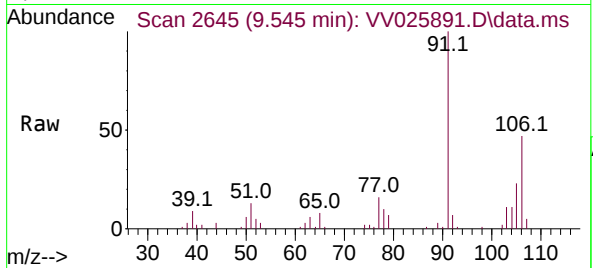




#54
o-Xylene
Concen: 0.393 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

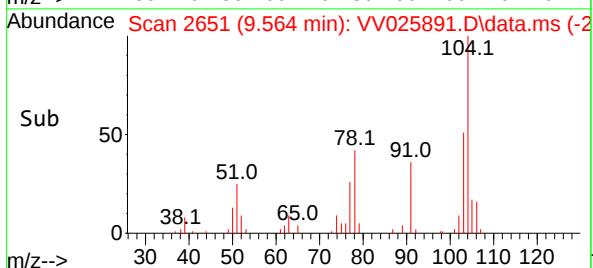
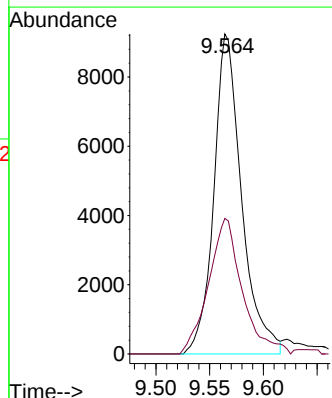
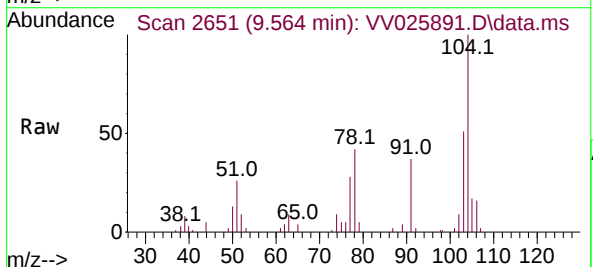
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

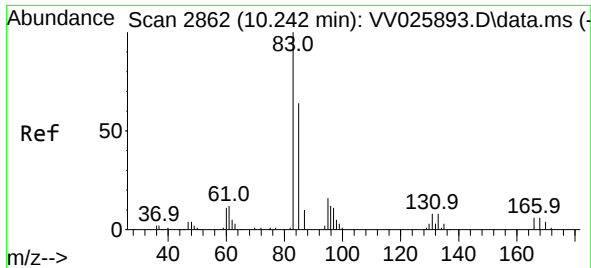
Tgt Ion:106 Resp: 10958
Ion Ratio Lower Upper
106 100
91 210.8 145.1 269.5



#55
Styrene
Concen: 0.361 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:104 Resp: 16637
Ion Ratio Lower Upper
104 100
78 42.3 30.0 55.8

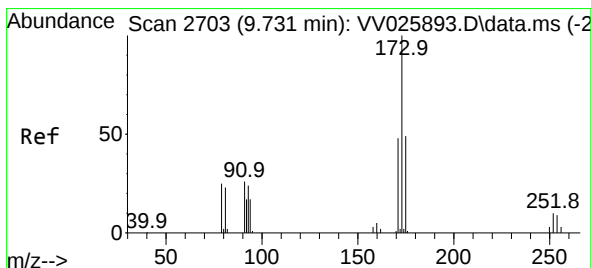
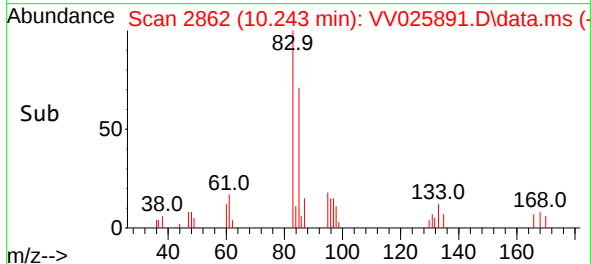
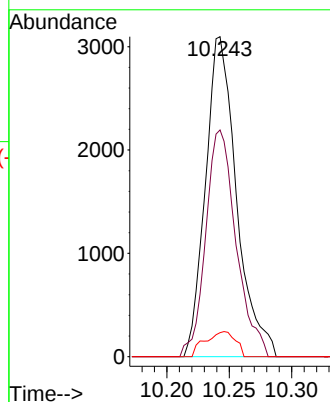
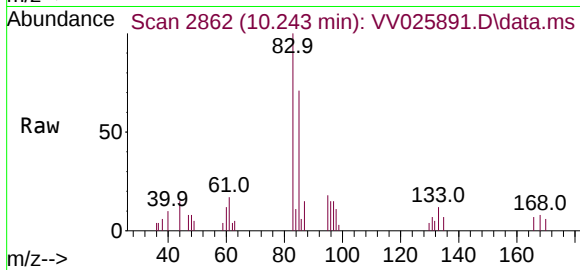




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.475 ug/L
 RT: 10.243 min Scan# 2862
 Delta R.T. 0.000 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

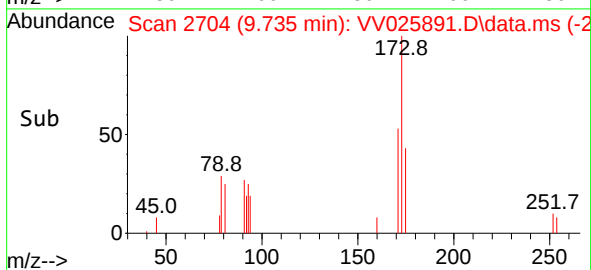
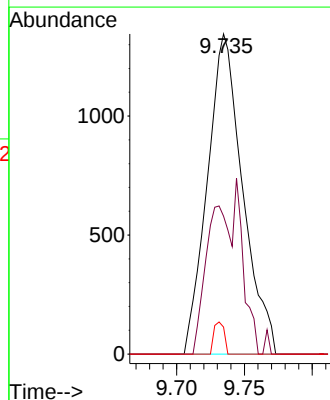
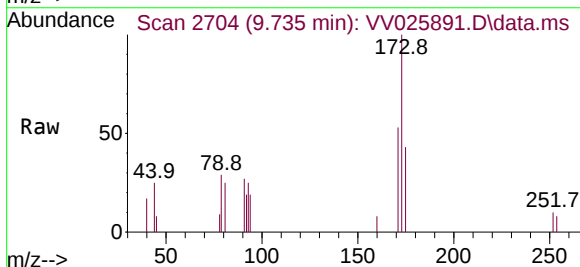
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5243

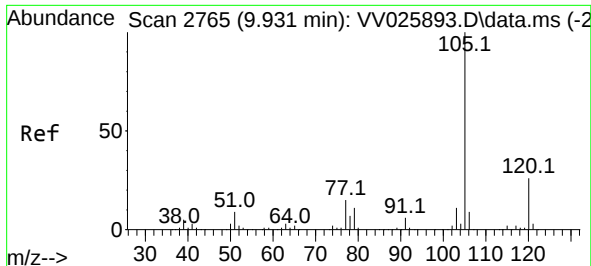
Tgt Ion: 83	Resp:	5371
Ion Ratio	Lower	Upper
83	100	
85	70.9	44.5 82.7
131	7.5	6.7 10.1



#59
 Bromoform
 Concen: 0.527 ug/L
 RT: 9.735 min Scan# 2704
 Delta R.T. 0.003 min
 Lab File: VV025891.D
 Acq: 13 May 2022 15:14

Tgt Ion: 173	Resp:	2434
Ion Ratio	Lower	Upper
173	100	
175	32.6	39.4 59.2#
254	2.9	7.0 10.6#

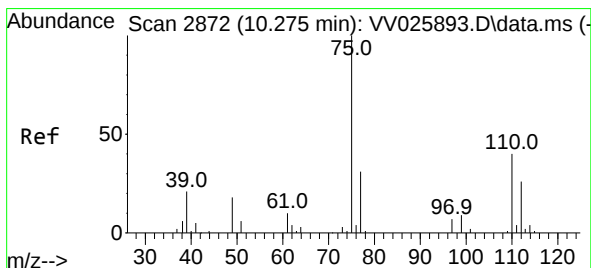
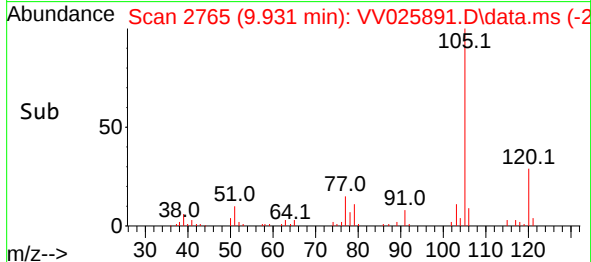
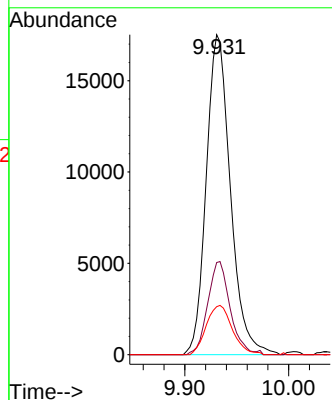
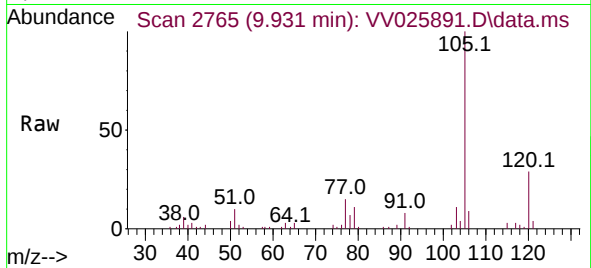




#60
Isopropylbenzene
Concen: 0.428 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

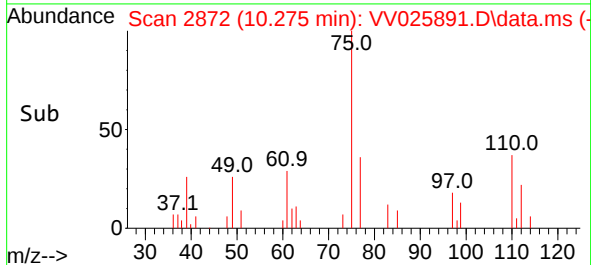
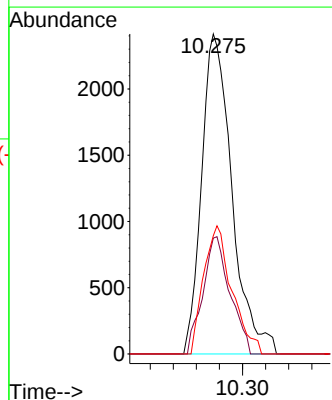
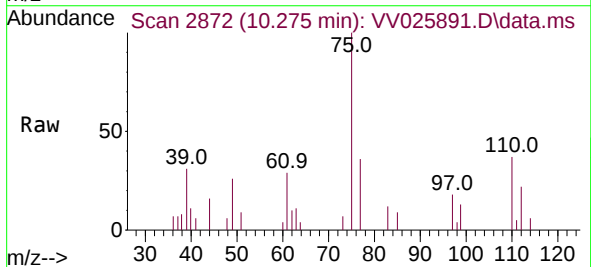
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

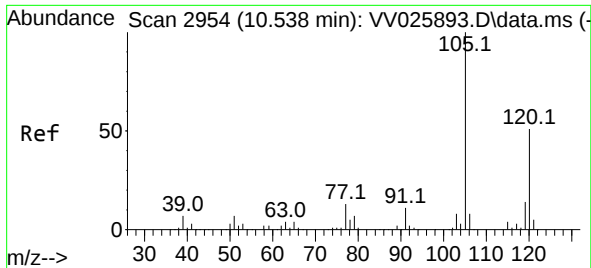
Tgt Ion:105 Resp: 28274
Ion Ratio Lower Upper
105 100
120 27.0 20.7 31.1
77 16.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 0.560 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 75 Resp: 4402
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
110 37.3 32.4 48.6

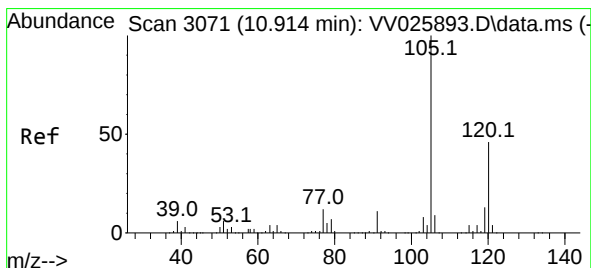
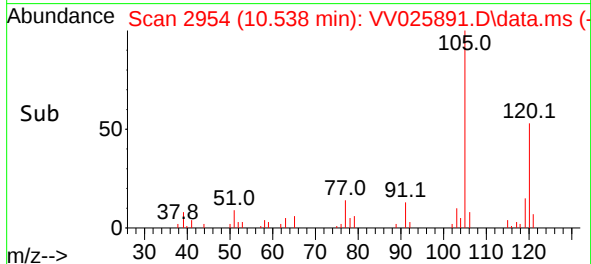
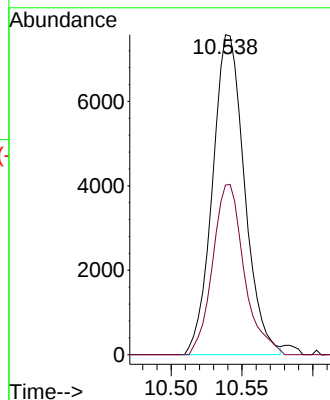
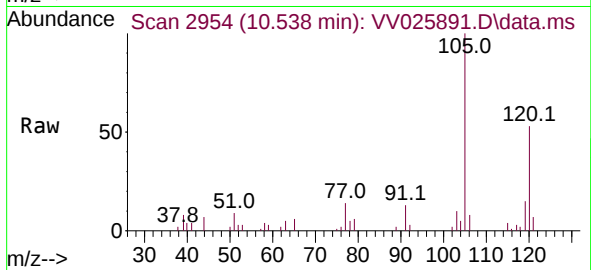




#62
1,3,5-Trimethylbenzene
Concen: 0.422 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

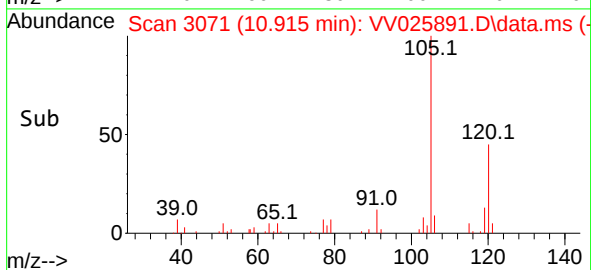
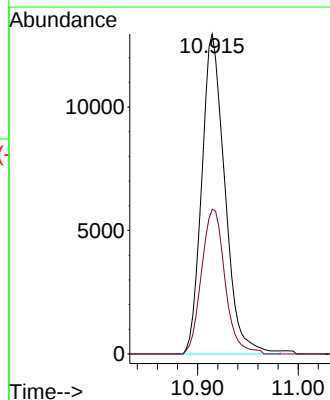
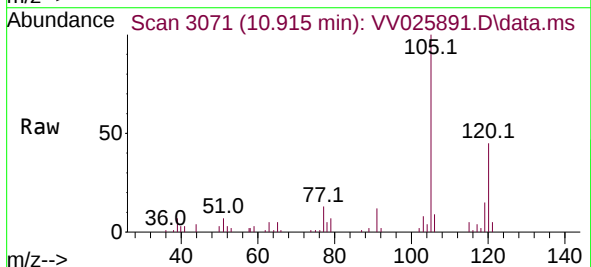
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

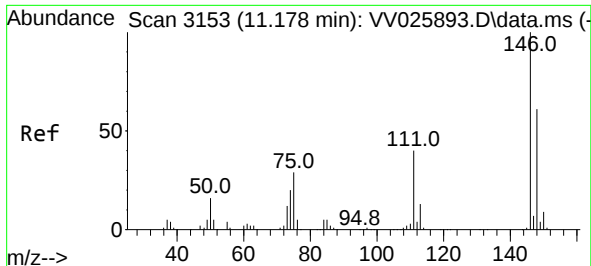
Tgt Ion:105 Resp: 11928
Ion Ratio Lower Upper
105 100
120 52.3 40.4 60.6



#63
1,2,4-Trimethylbenzene
Concen: 0.399 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:105 Resp: 20634
Ion Ratio Lower Upper
105 100
120 46.1 36.8 55.2

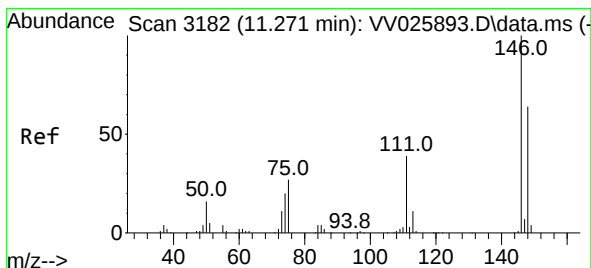
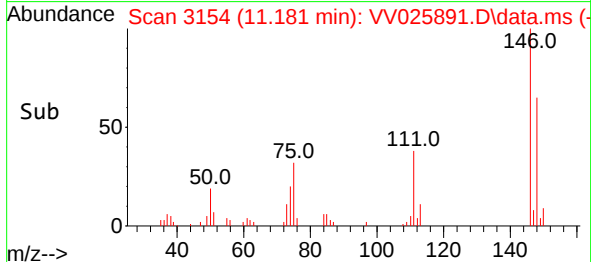
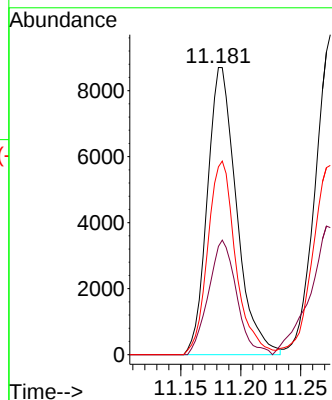
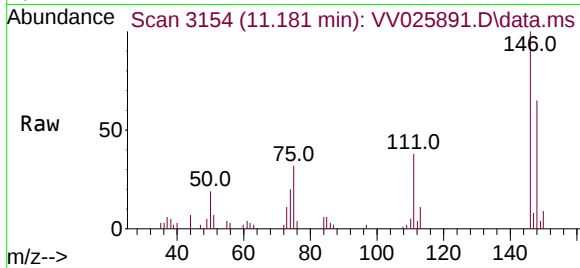




#64
1,3-Dichlorobenzene
Concen: 0.484 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

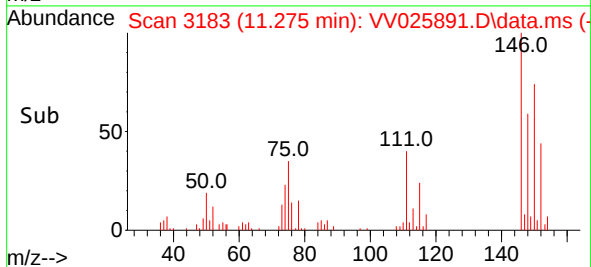
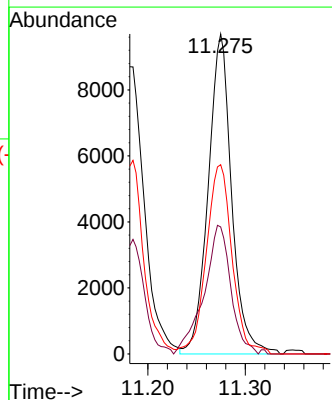
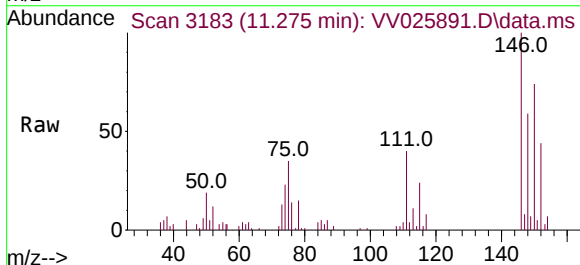
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

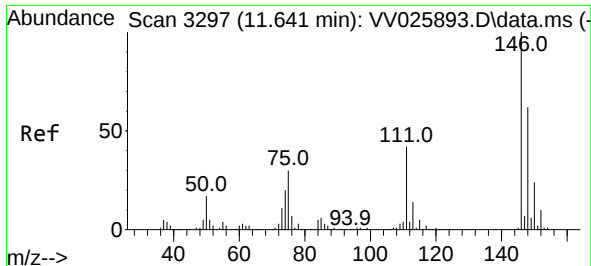
Tgt Ion:146 Resp: 14727
Ion Ratio Lower Upper
146 100
111 37.7 28.2 52.4
148 65.4 42.6 79.0



#65
1,4-Dichlorobenzene
Concen: 0.525 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:146 Resp: 16227
Ion Ratio Lower Upper
146 100
111 39.7 27.5 51.1
148 59.1 44.7 82.9

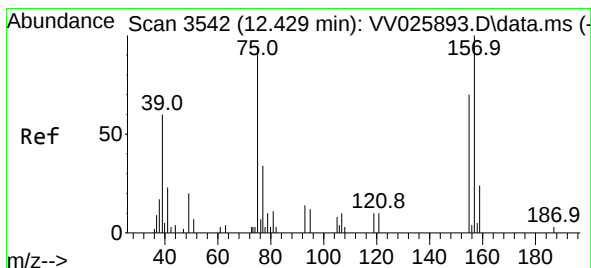
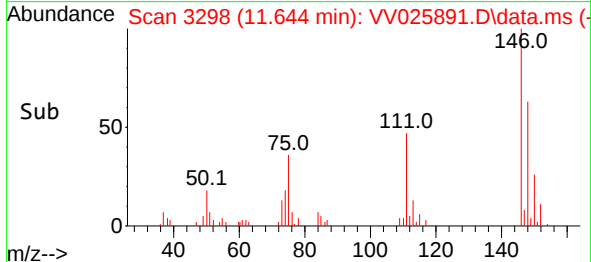
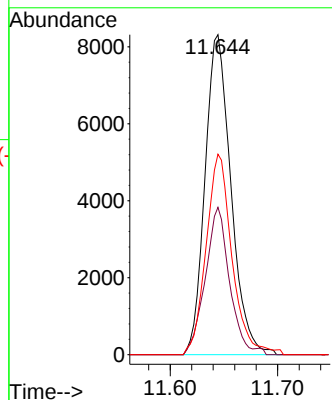
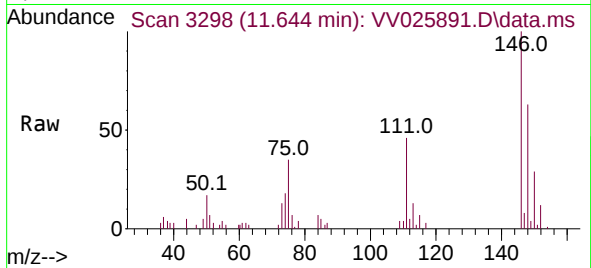




#67
1,2-Dichlorobenzene
Concen: 0.515 ug/L
RT: 11.644 min Scan# 3297
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

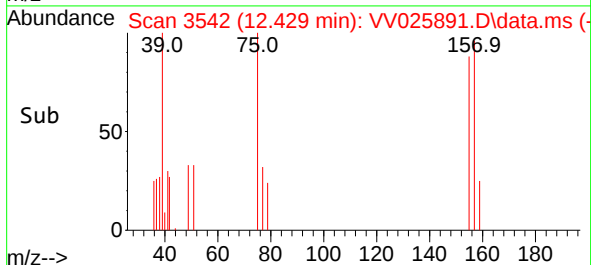
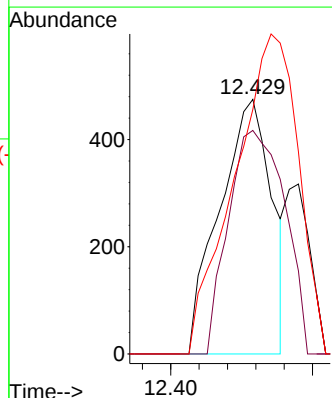
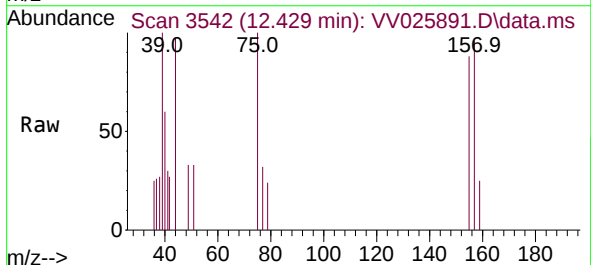
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

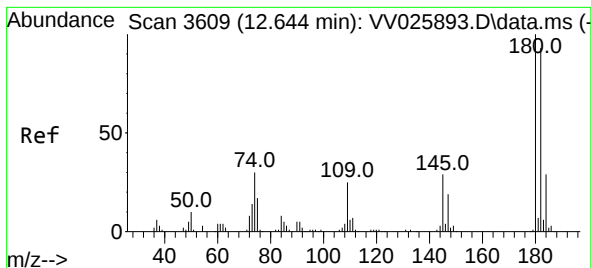
Tgt Ion:146 Resp: 13952
Ion Ratio Lower Upper
146 100
111 46.0 33.6 50.4
148 62.6 49.4 74.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.415 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion: 75 Resp: 606
Ion Ratio Lower Upper
75 100
155 87.8 59.6 89.4
157 96.0 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 0.508 ug/L

RT: 12.644 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5243

Tgt Ion:180 Resp: 11645

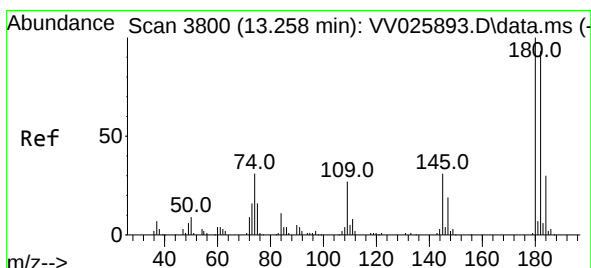
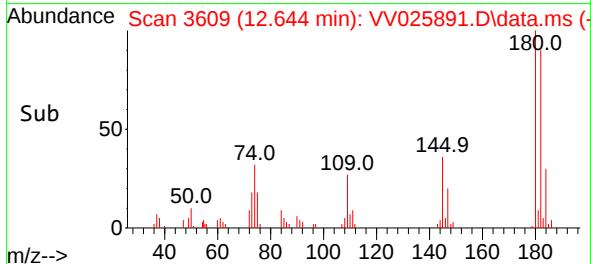
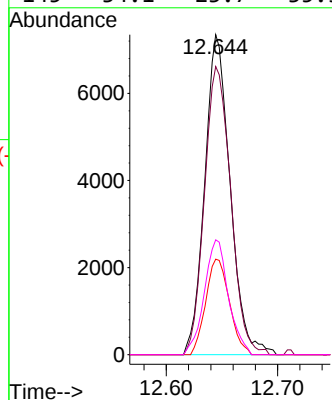
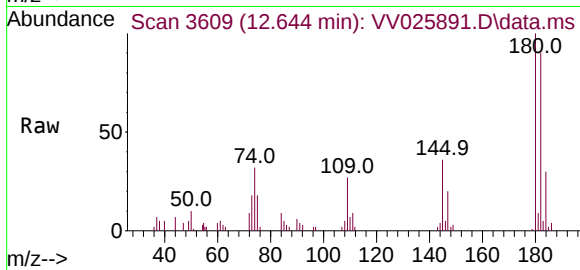
Ion Ratio Lower Upper

180 100

182 93.2 74.3 111.5

184 27.8 23.5 35.3

145 34.1 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 0.509 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV025891.D

Acq: 13 May 2022 15:14

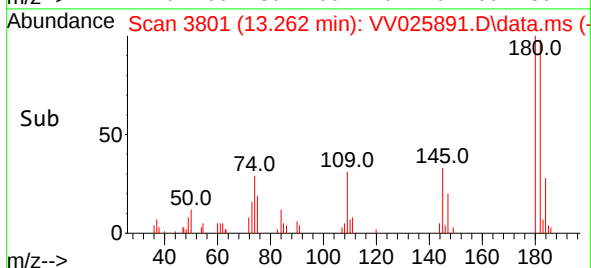
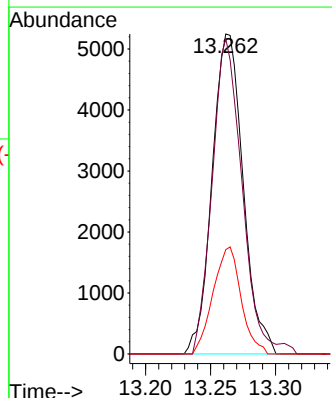
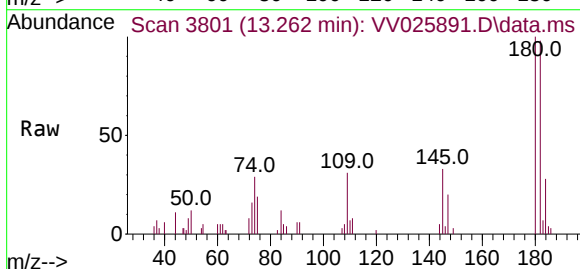
Tgt Ion:180 Resp: 8666

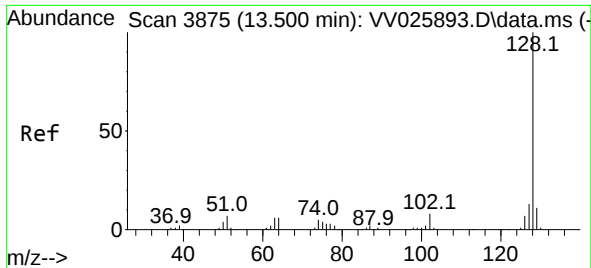
Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.4

145 30.3 25.1 37.7

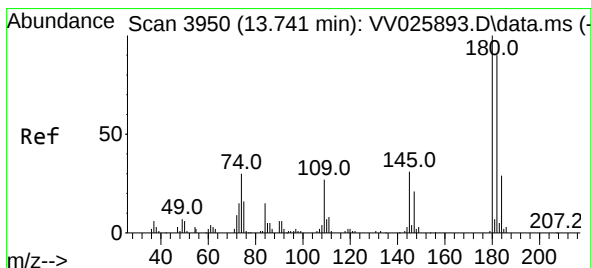
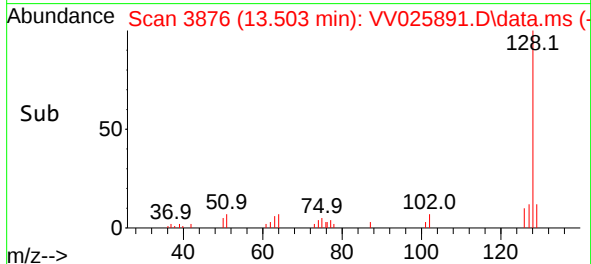
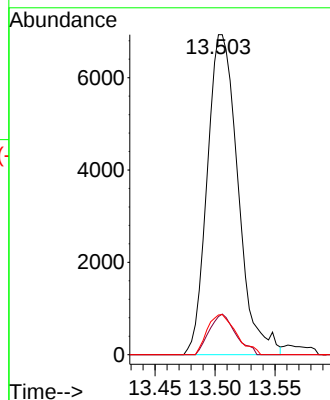
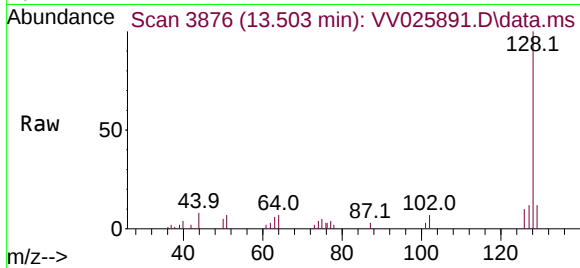




#71
Naphthalene
Concen: 0.509 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5243

Tgt Ion:128	Resp:	12358
Ion Ratio	Lower	Upper
128	100	
129	10.8	8.8 13.2
127	11.8	10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 0.532 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV025891.D
Acq: 13 May 2022 15:14

Tgt Ion:180	Resp:	7447
Ion Ratio	Lower	Upper
180	100	
182	94.2	73.5 110.3
145	32.6	25.9 38.9

