

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051622\
 Data File : VW025899.D
 Acq On : 16 May 2022 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

Quant Time: May 17 07:56:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 14 07:17:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	166626	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	169859	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	91535	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	71874	5.223	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 104.400%		
7) Chloroethane-d5	1.568	69	61034	5.180	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 103.600%		
11) 1,1-Dichloroethene-d2	2.108	63	157511	5.171	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 103.400%		
20) 2-Butanone-d5	3.908	46	93479	58.655	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 117.300%		
24) Chloroform-d	4.346	84	115614	5.143	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 102.800%		
26) 1,2-Dichloroethane-d4	5.030	65	49098	5.150	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 103.000%		
32) Benzene-d6	5.047	84	231074	5.239	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.800%		
36) 1,2-Dichloropropane-d6	6.066	67	65397	5.100	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 102.000%		
41) Toluene-d8	7.310	98	219245	5.347	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 107.000%		
43) trans-1,3-Dichloroprop...	7.622	79	21571	5.144	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 102.800%		
46) 2-Hexanone-d5	8.088	63	75928	48.762	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 97.520%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	40085	4.853	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 97.000%		
66) 1,2-Dichlorobenzene-d4	11.622	152	65601	5.034	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 100.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	92841	5.167	ug/L	100
3) Chloromethane	1.240	50	109939	5.237	ug/L	97
5) Vinyl chloride	1.310	62	115032	5.210	ug/L	100
6) Bromomethane	1.523	94	66482	5.173	ug/L	97
8) Chloroethane	1.584	64	74189	5.180	ug/L	97
9) Trichlorofluoromethane	1.754	101	154734	5.252	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	88759	5.375	ug/L	98
12) 1,1-Dichloroethene	2.117	96	85141	5.317	ug/L	97
13) Acetone	2.201	43	86366	56.210	ug/L	96
14) Carbon disulfide	2.291	76	211914	5.136	ug/L	98
15) Methyl Acetate	2.445	43	17983	5.138	ug/L	91
16) Methylene chloride	2.506	84	74562	4.587	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	130294	5.099	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	71038	5.087	ug/L	96
19) 1,1-Dichloroethane	3.188	63	133756	5.059	ug/L	98
21) 2-Butanone	3.989	43	109874	49.796	ug/L	87
22) cis-1,2-Dichloroethene	3.908	96	71760	5.030	ug/L	98
23) Bromochloromethane	4.246	128	31461	5.213	ug/L	93
25) Chloroform	4.371	83	138725	5.177	ug/L	99

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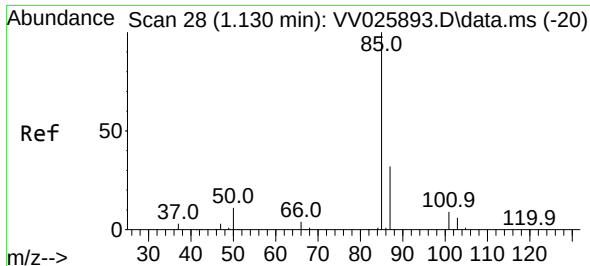
Quant Time: May 17 07:56:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	71144	5.037	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	121955	5.265	ug/L	99
30) Cyclohexane	4.670	56	108440	5.257	ug/L	100
31) Carbon tetrachloride	4.825	117	106099	5.412	ug/L	99
33) Benzene	5.095	78	299910	5.213	ug/L	100
34) Trichloroethene	5.911	95	75967	5.171	ug/L	99
35) Methylcyclohexane	6.127	83	122075	5.412	ug/L	97
37) 1,2-Dichloropropane	6.172	63	72842	5.368	ug/L	98
38) Bromodichloromethane	6.506	83	88887	5.212	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	90510	5.167	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	320547	51.068	ug/L	98
42) Toluene	7.384	91	323179	5.397	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	75724	5.300	ug/L	100
45) 1,1,2-Trichloroethane	7.837	97	45086	4.840	ug/L	95
47) Tetrachloroethene	7.972	164	59766	5.250	ug/L	98
48) 2-Hexanone	8.136	43	228436	51.481	ug/L	99
49) Dibromochloromethane	8.243	129	54158	5.321	ug/L	100
50) 1,2-Dibromoethane	8.349	107	40938	4.943	ug/L	100
51) Chlorobenzene	8.879	112	198517	5.111	ug/L	99
52) Ethylbenzene	9.008	91	329703	5.235	ug/L	99
53) m,p-Xylene	9.136	106	129323	5.316	ug/L	100
54) o-Xylene	9.542	106	122284	5.279	ug/L	95
55) Styrene	9.558	104	209994	5.395	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	48040	4.773	ug/L	98
59) Bromoform	9.728	173	25044	5.275	ug/L	97
60) Isopropylbenzene	9.927	105	334672	5.471	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	38389	5.037	ug/L	96
62) 1,3,5-Trimethylbenzene	10.535	105	137932	5.279	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	258288	5.392	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	152651	5.274	ug/L	97
65) 1,4-Dichlorobenzene	11.268	146	152696	5.182	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	134386	5.167	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	7030	4.763	ug/L	90
69) 1,3,5-Trichlorobenzene	12.641	180	112695	5.227	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	83667	5.115	ug/L	99
71) Naphthalene	13.500	128	110378	4.507	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	68732	4.864	ug/L	97

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

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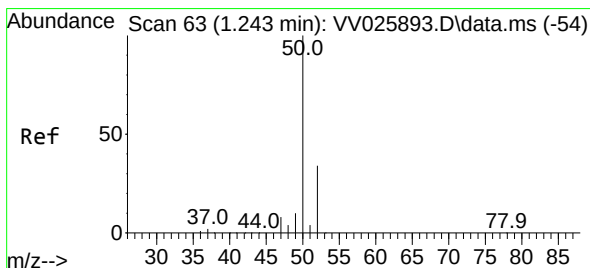
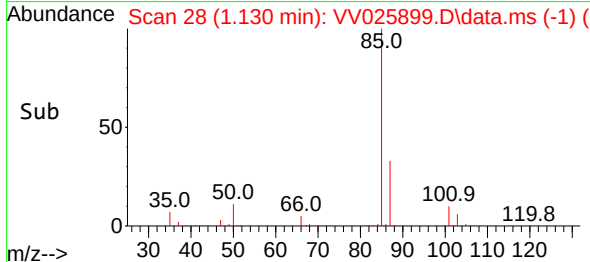
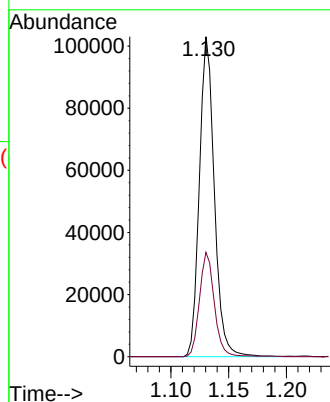
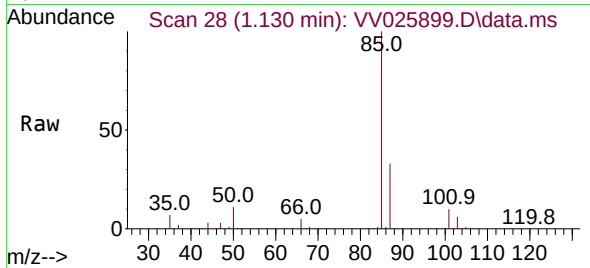




#2
 Dichlorodifluoromethane
 Concen: 5.167 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

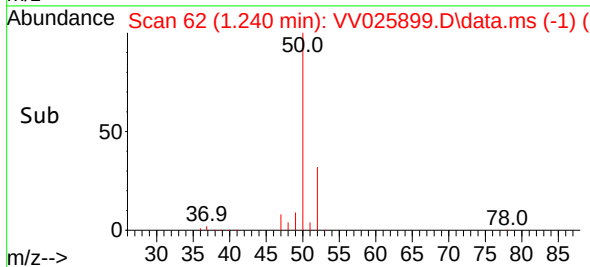
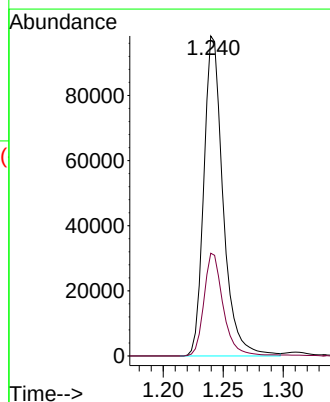
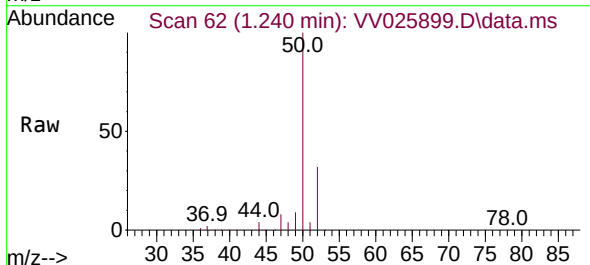
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

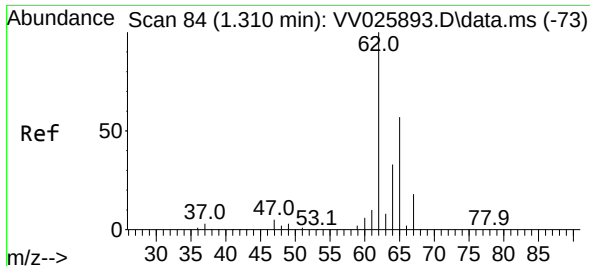
Tgt Ion: 85 Resp: 92841
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 5.237 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

Tgt Ion: 50 Resp: 109939
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.9 44.3

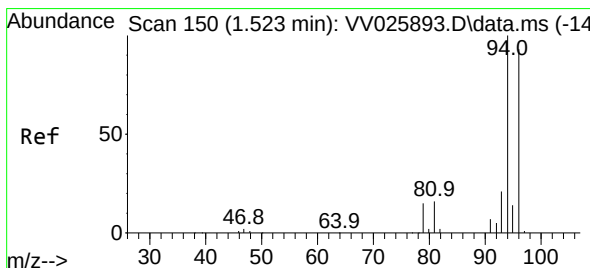
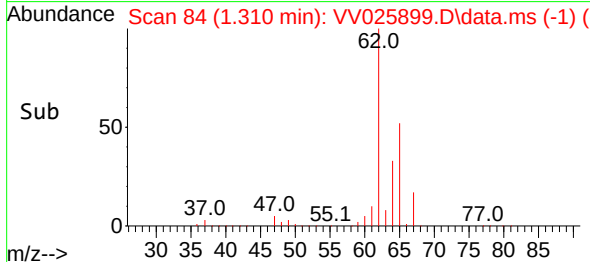
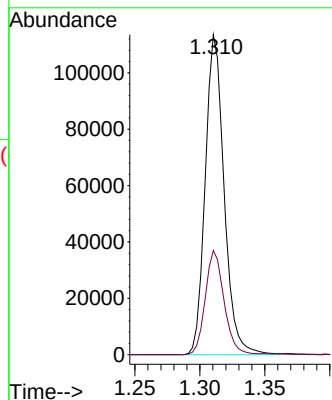
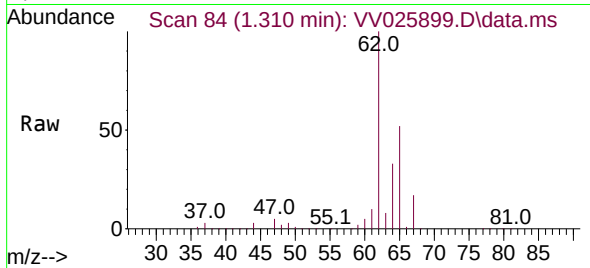




#5
 Vinyl chloride
 Concen: 5.210 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

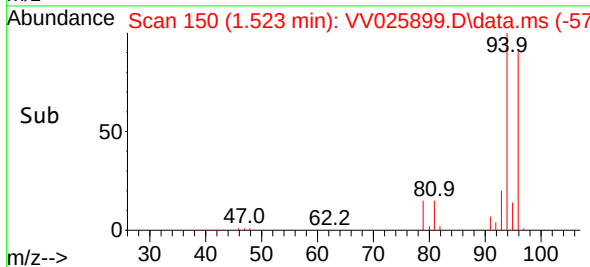
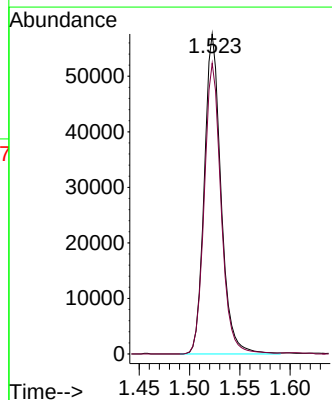
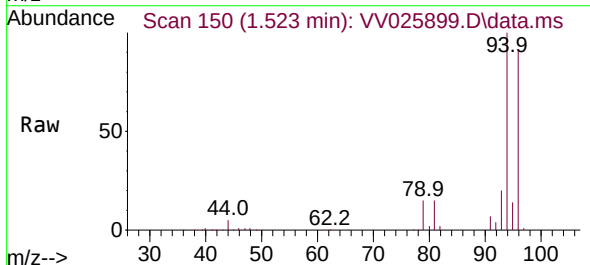
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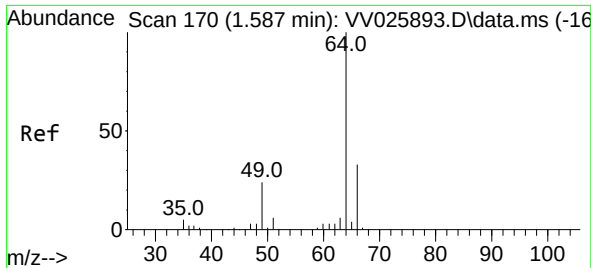
Tgt Ion: 62 Resp: 115032
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 5.173 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

Tgt Ion: 94 Resp: 66482
 Ion Ratio Lower Upper
 94 100
 96 90.8 65.4 121.4

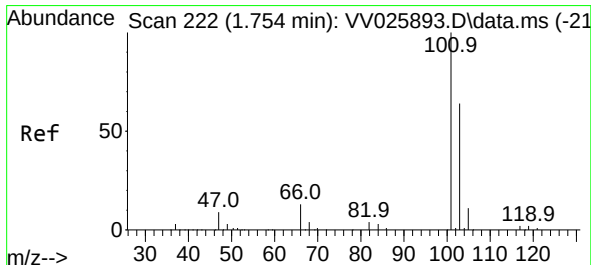
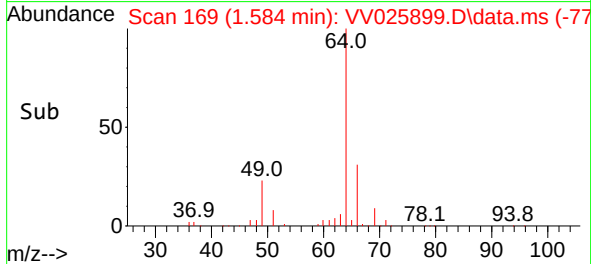
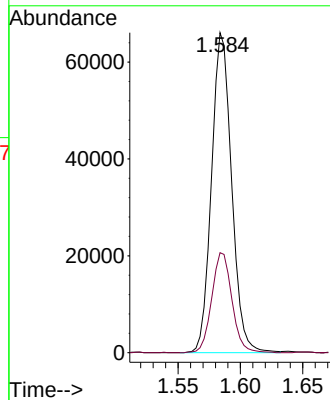
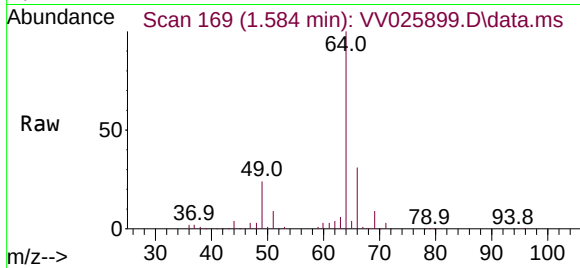




#8
Chloroethane
Concen: 5.180 ug/L
RT: 1.584 min Scan# 170
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

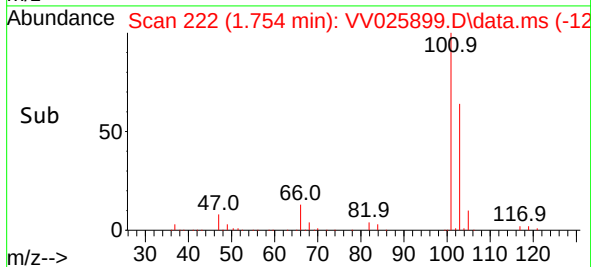
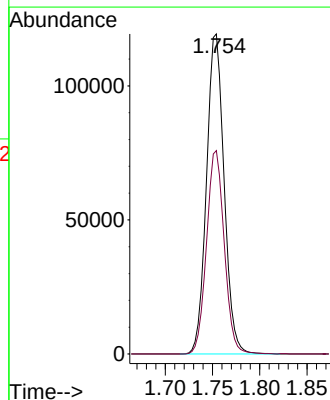
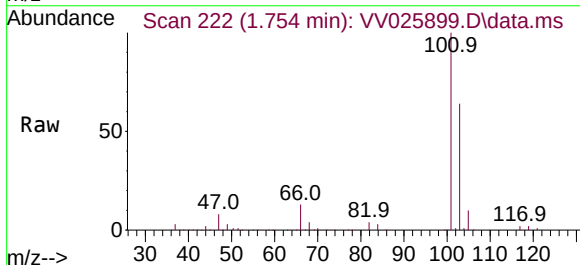
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ClientSampleId :
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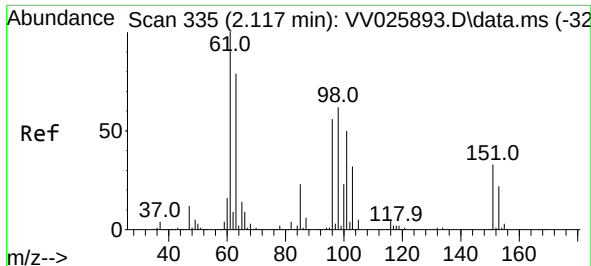
Tgt Ion: 64 Resp: 74189
Ion Ratio Lower Upper
64 100
66 31.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.252 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 101 Resp: 154734
Ion Ratio Lower Upper
101 100
103 63.9 50.6 76.0

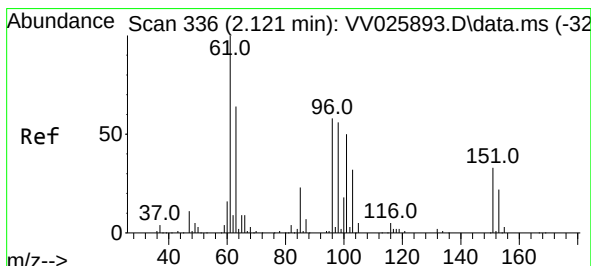
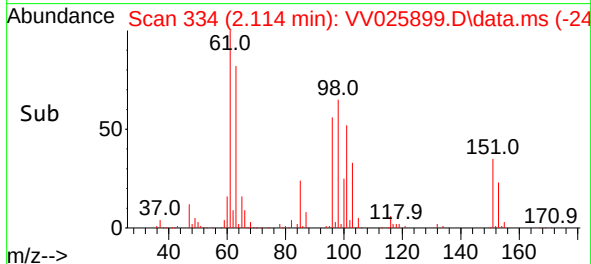
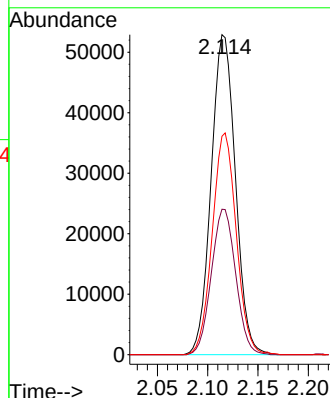
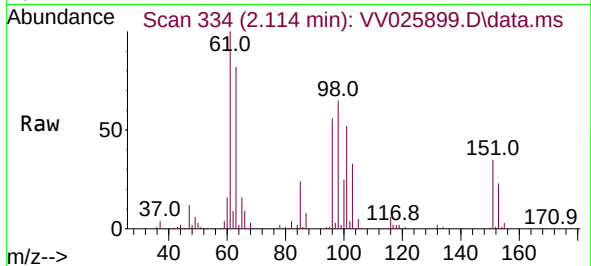




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.375 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

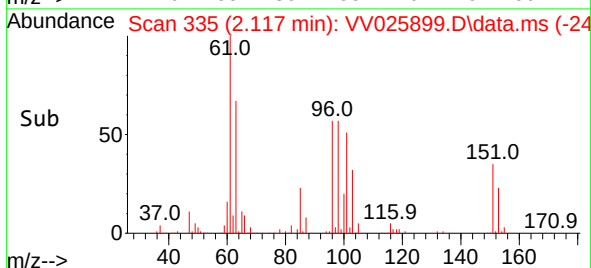
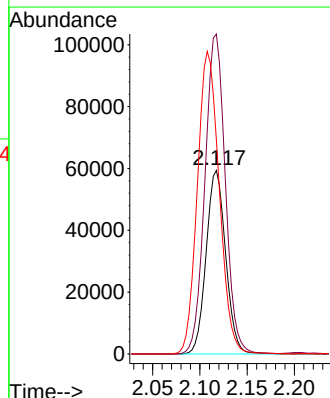
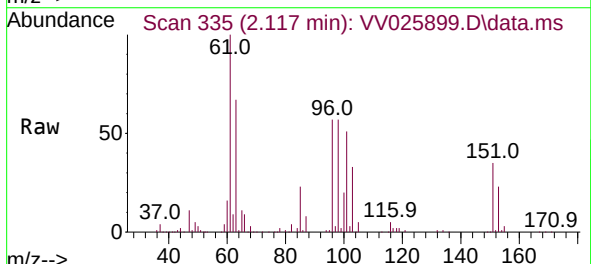
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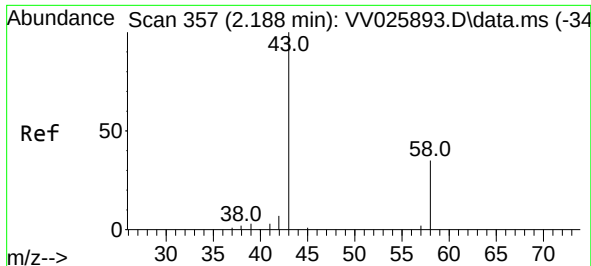
Tgt Ion:101 Resp: 88759
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.7 53.5
 151 68.8 54.1 81.1



#12
 1,1-Dichloroethene
 Concen: 5.317 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

Tgt Ion: 96 Resp: 85141
 Ion Ratio Lower Upper
 96 100
 61 174.3 119.8 222.6
 63 116.7 78.3 145.3





#13

Acetone

Concen: 56.210 ug/L

RT: 2.201 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

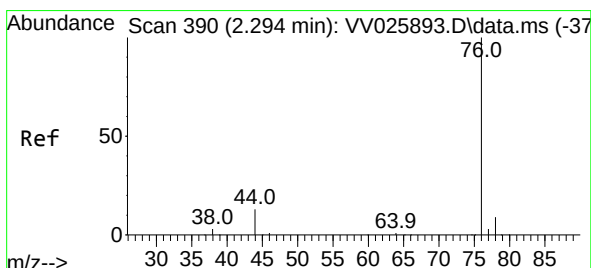
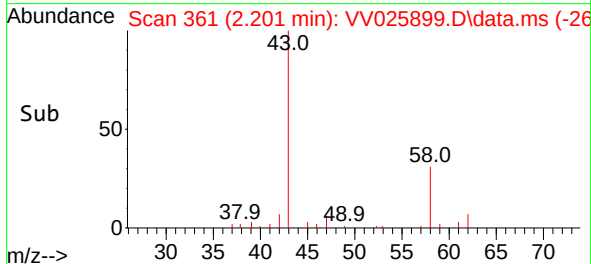
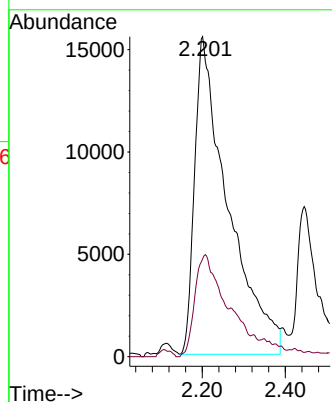
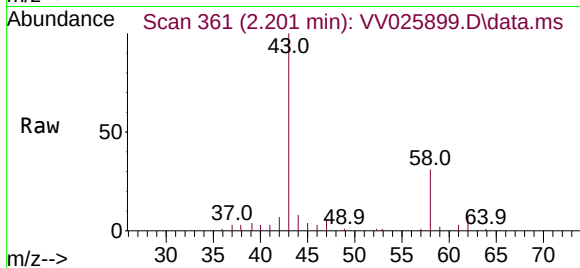
VSTD005289

Tgt Ion: 43 Resp: 86366

Ion Ratio Lower Upper

43 100

58 24.2 0.0 44.6



#14

Carbon disulfide

Concen: 5.136 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.003 min

Lab File: VV025899.D

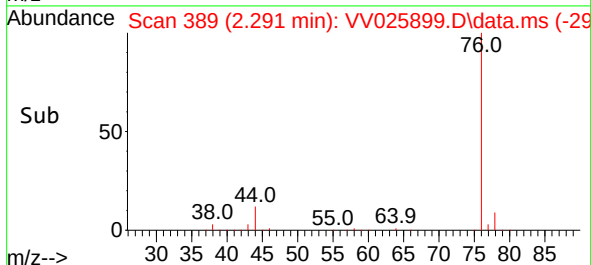
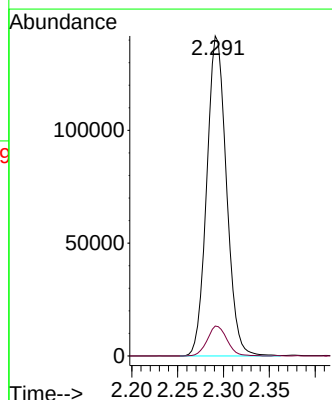
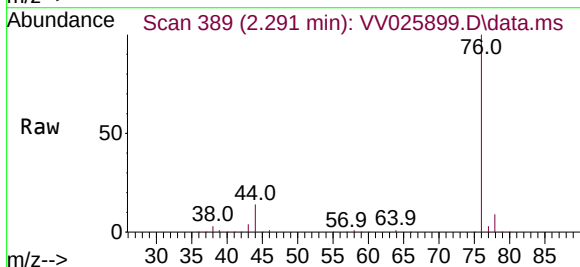
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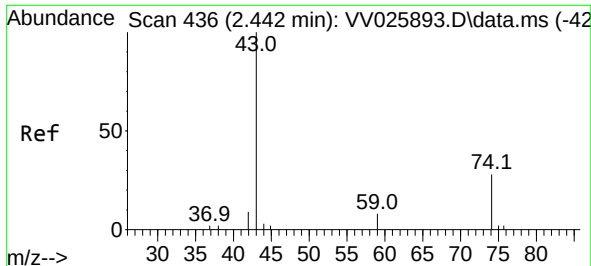
Tgt Ion: 76 Resp: 211914

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

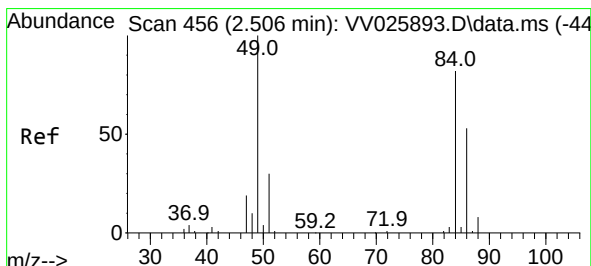
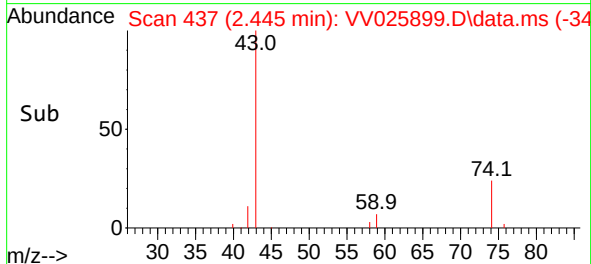
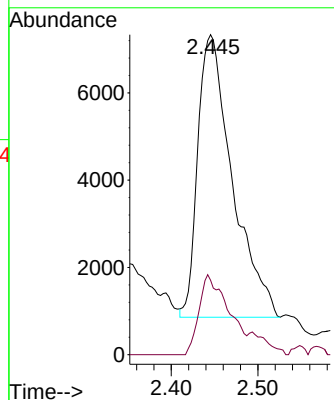
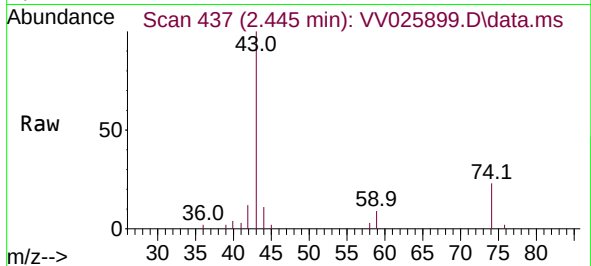




#15
Methyl Acetate
Concen: 5.138 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

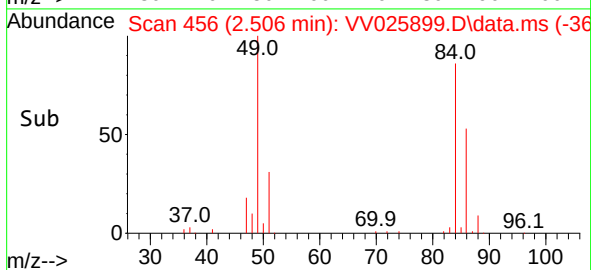
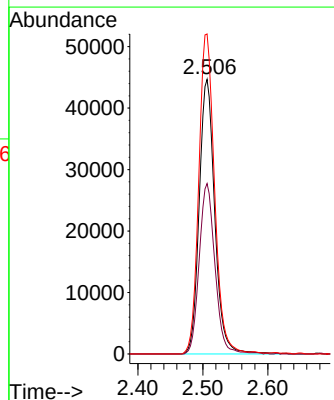
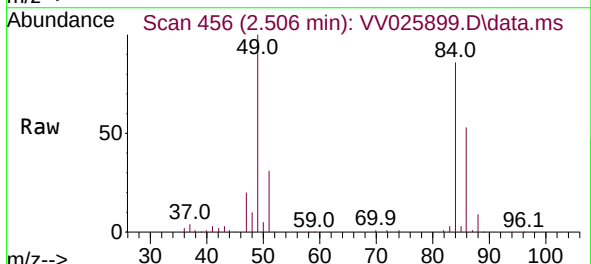
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

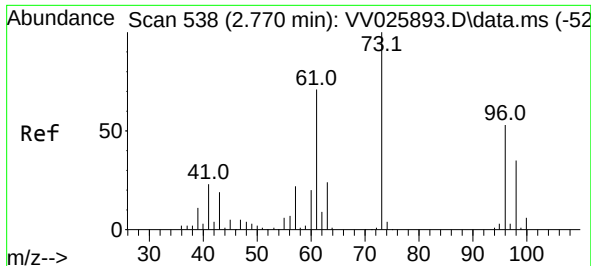
Tgt Ion: 43 Resp: 17983
Ion Ratio Lower Upper
43 100
74 24.1 23.3 34.9



#16
Methylene chloride
Concen: 4.587 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 84 Resp: 74562
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.2
49 116.5 85.6 159.0





#17

Methyl tert-butyl Ether

Concen: 5.099 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

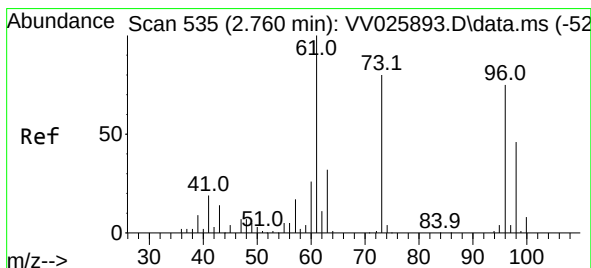
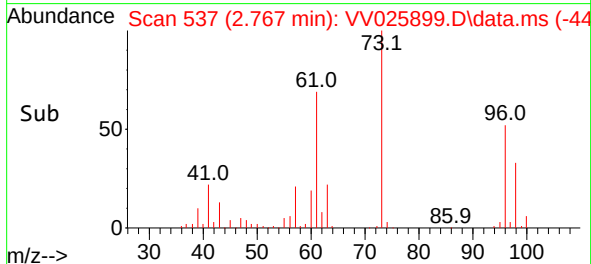
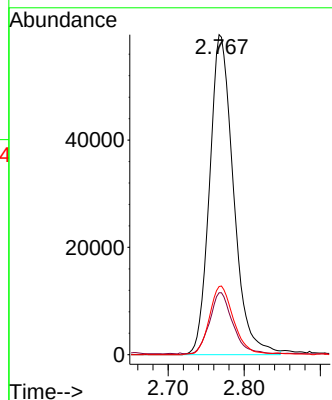
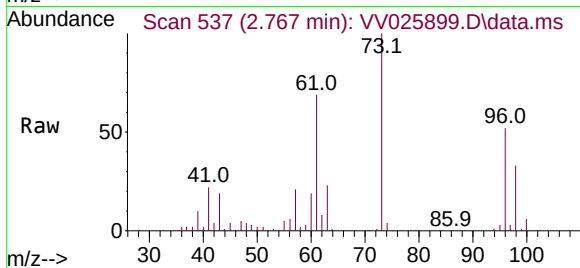
Tgt Ion: 73 Resp: 130294

Ion Ratio Lower Upper

73 100

43 18.3 14.6 22.0

57 21.7 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.087 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.000 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

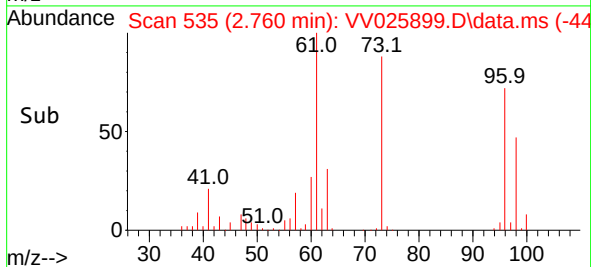
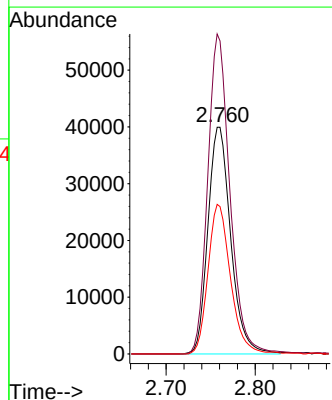
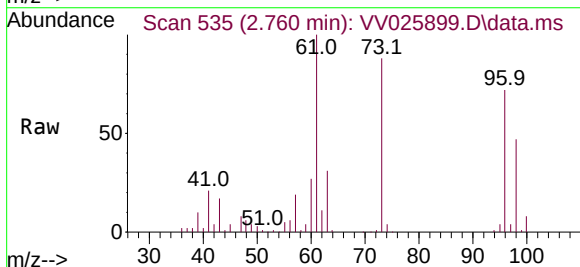
Tgt Ion: 96 Resp: 71038

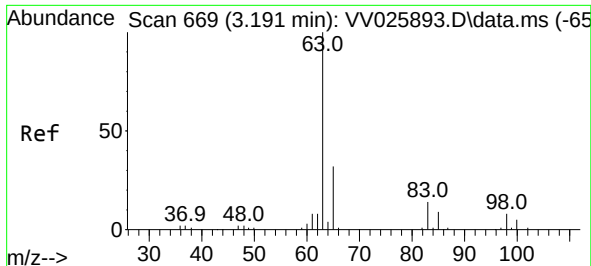
Ion Ratio Lower Upper

96 100

61 138.0 93.6 173.8

98 65.0 42.8 79.4





#19

1,1-Dichloroethane

Concen: 5.059 ug/L

RT: 3.188 min Scan# 668

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

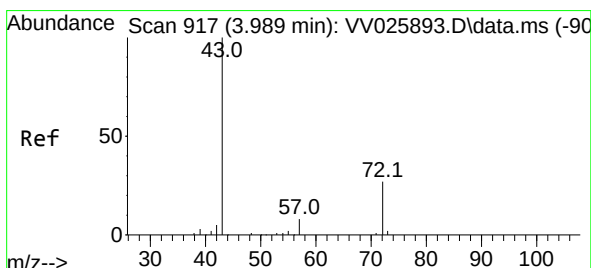
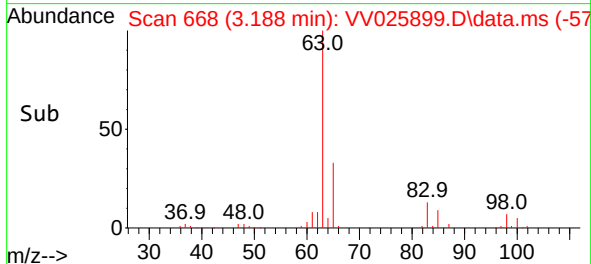
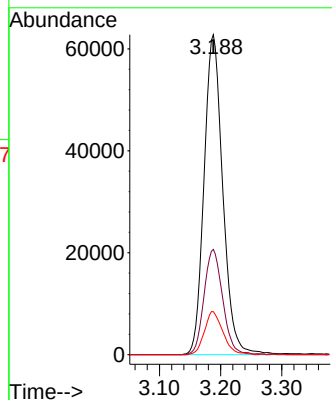
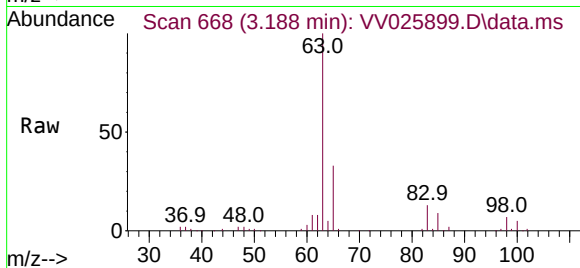
Tgt Ion: 63 Resp: 133756

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 13.5 10.0 18.6



#21

2-Butanone

Concen: 49.796 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.000 min

Lab File: VV025899.D

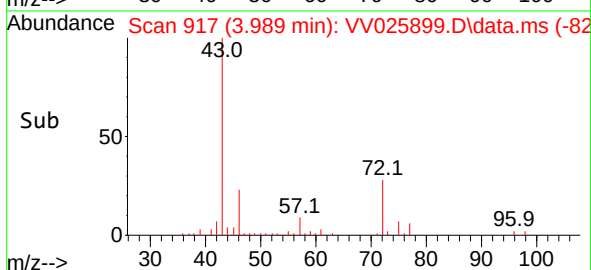
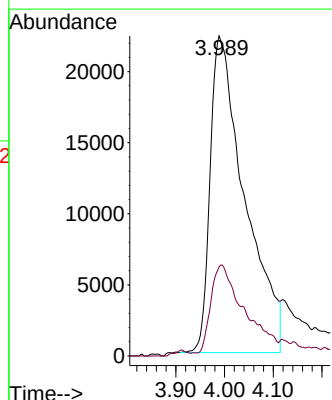
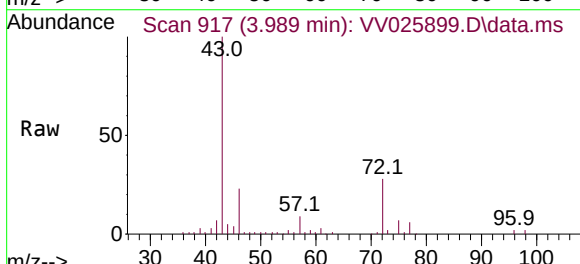
Acq: 16 May 2022 09:53

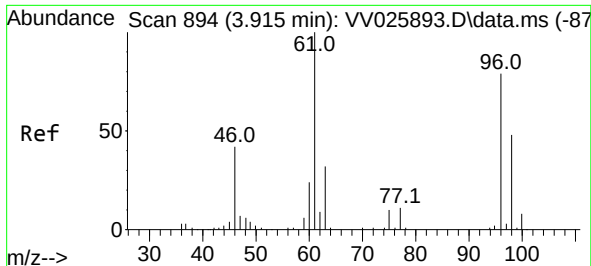
Tgt Ion: 43 Resp: 109874

Ion Ratio Lower Upper

43 100

72 27.1 10.5 31.6

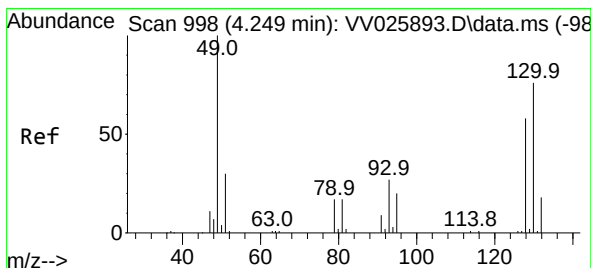
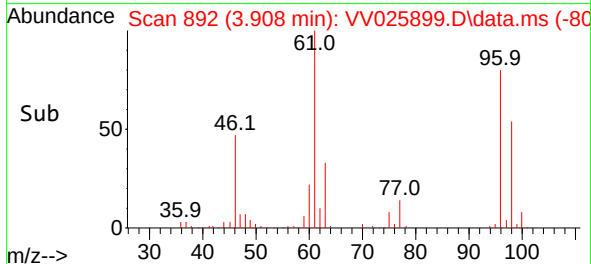
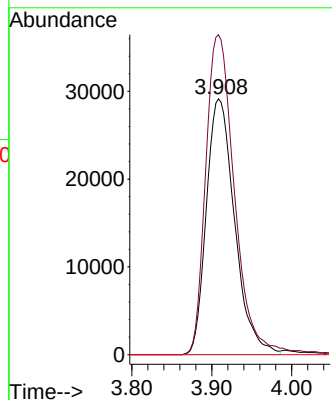
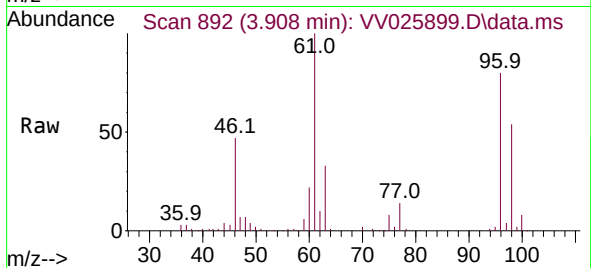




#22
 cis-1,2-Dichloroethene
 Concen: 5.030 ug/L
 RT: 3.908 min Scan# 894
 Delta R.T. -0.006 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

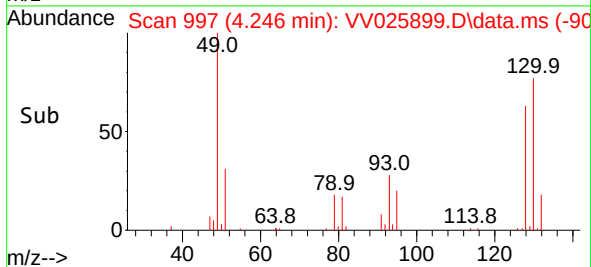
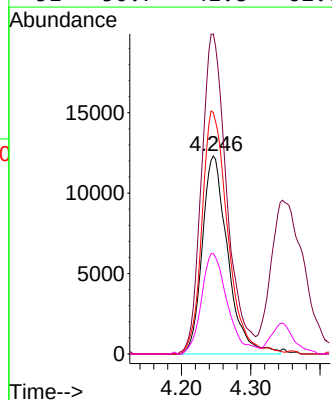
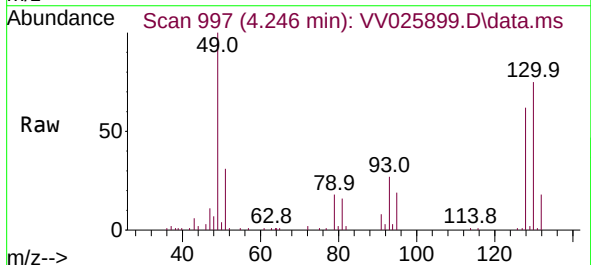
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

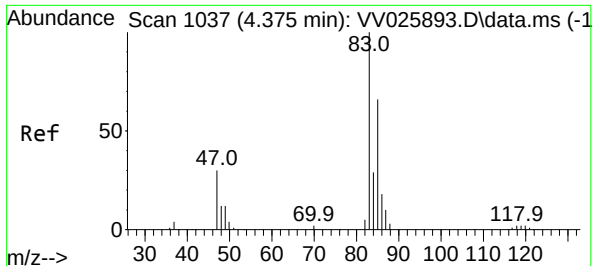
Tgt Ion: 96 Resp: 71760
 Ion Ratio Lower Upper
 96 100
 61 125.1 88.9 165.1
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.213 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

Tgt Ion: 128 Resp: 31461
 Ion Ratio Lower Upper
 128 100
 49 161.7 121.0 224.8
 130 122.0 90.8 168.6
 51 50.7 41.8 62.6





#25

Chloroform

Concen: 5.177 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

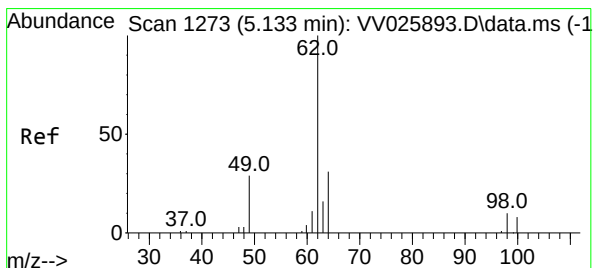
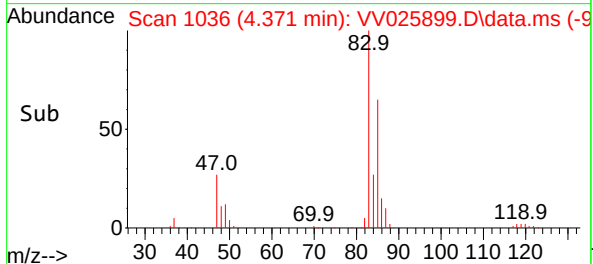
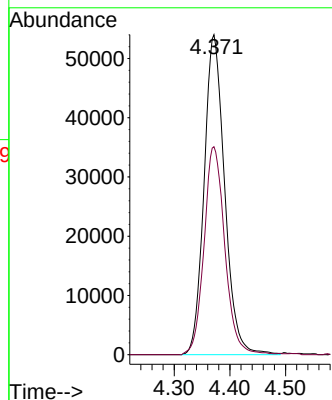
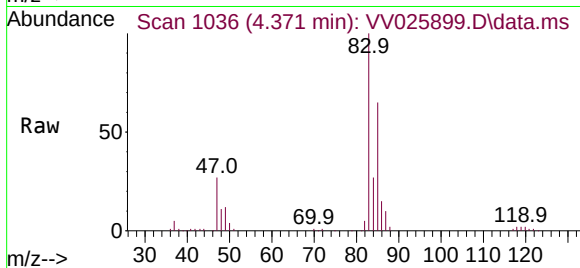
VSTD005289

Tgt Ion: 83 Resp: 138725

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 5.037 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV025899.D

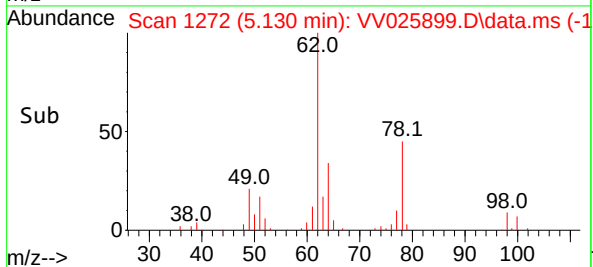
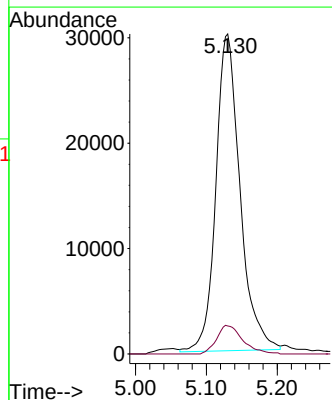
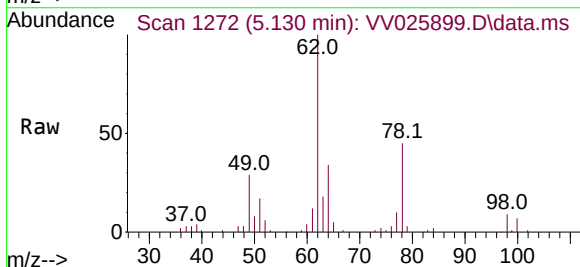
Acq: 16 May 2022 09:53

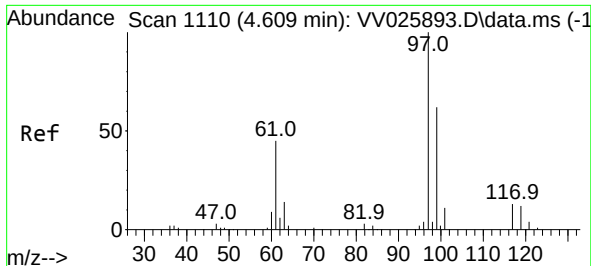
Tgt Ion: 62 Resp: 71144

Ion Ratio Lower Upper

62 100

98 8.8 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.265 ug/L

RT: 4.603 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

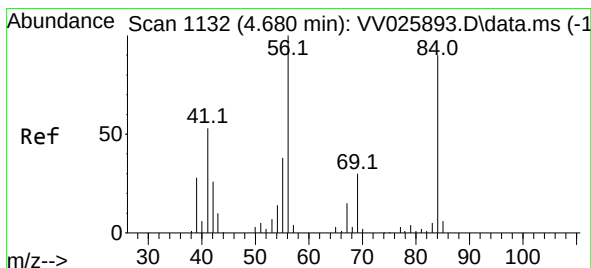
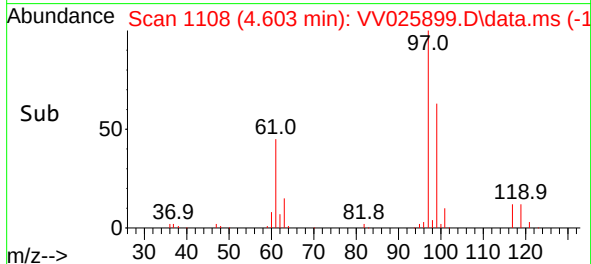
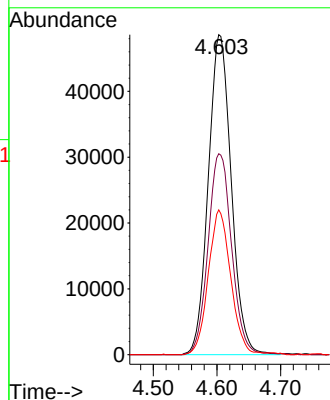
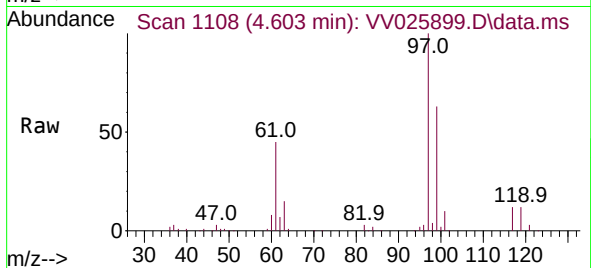
Tgt Ion: 97 Resp: 121955

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 44.2 36.3 54.5



#30

Cyclohexane

Concen: 5.257 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.010 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

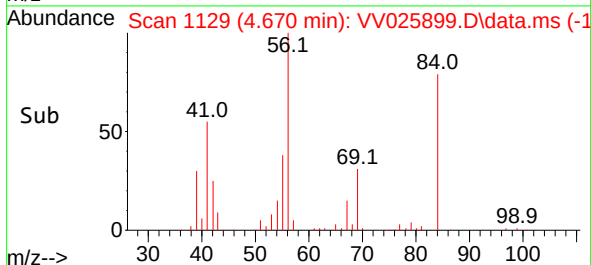
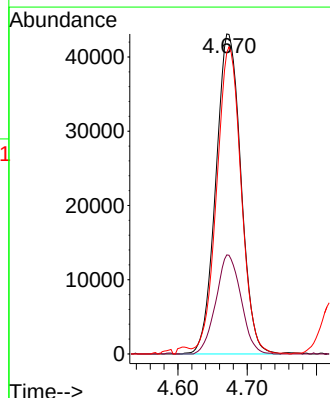
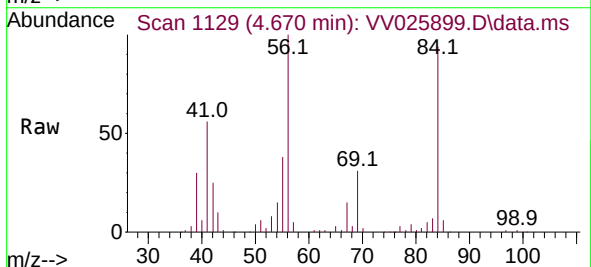
Tgt Ion: 56 Resp: 108440

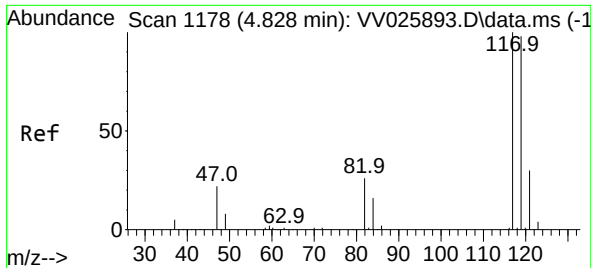
Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 93.7 75.0 112.4

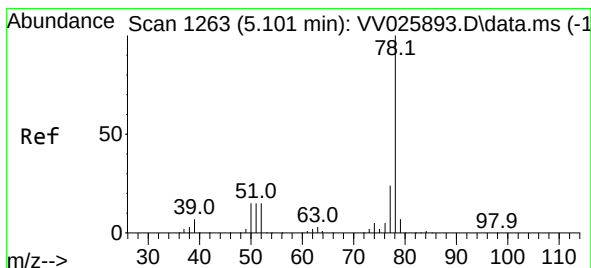
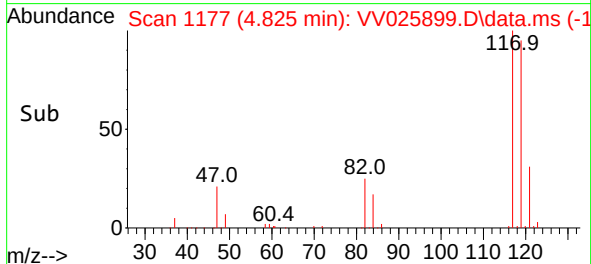
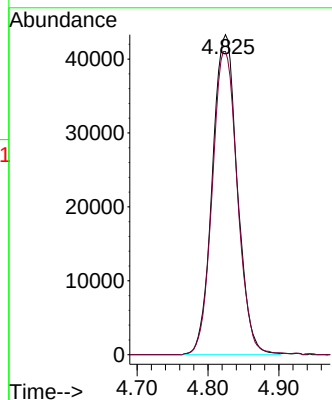
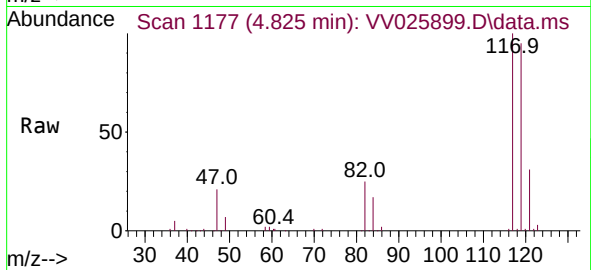




#31
Carbon tetrachloride
Concen: 5.412 ug/L
RT: 4.825 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

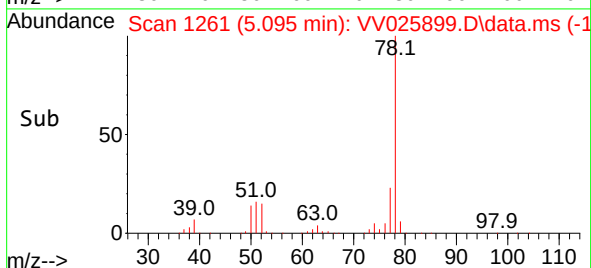
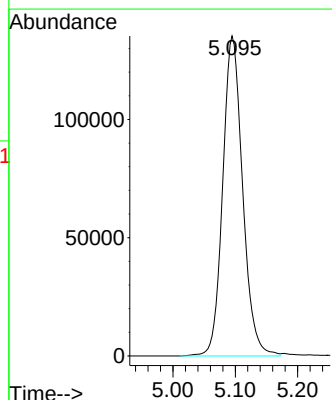
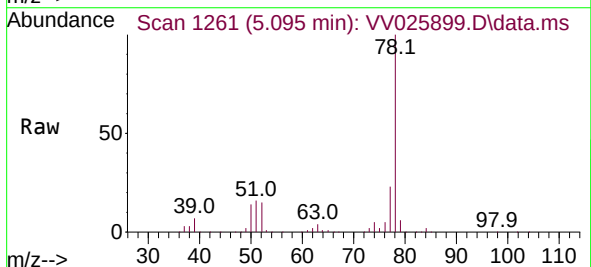
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

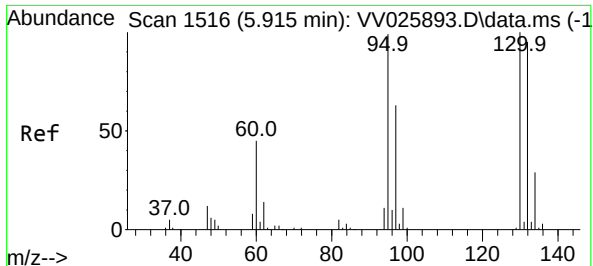
Tgt Ion:117 Resp: 106099
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6



#33
Benzene
Concen: 5.213 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 78 Resp: 299910

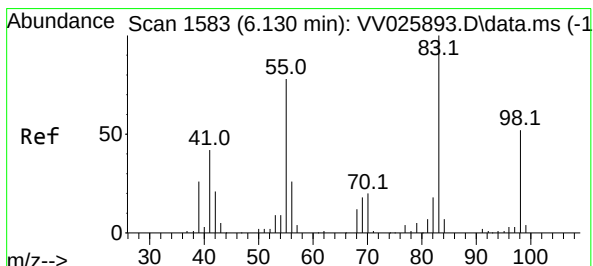
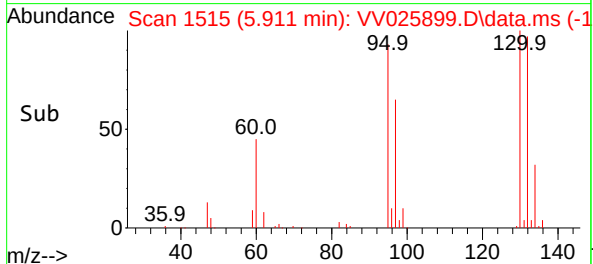
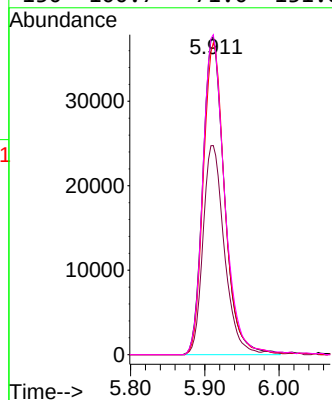
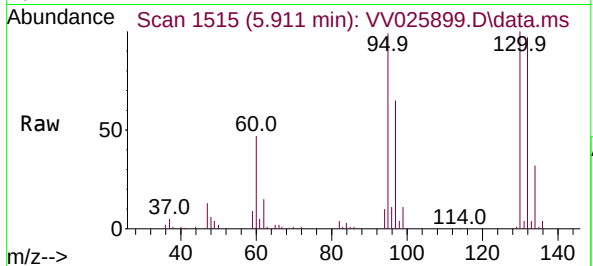




#34
Trichloroethene
Concen: 5.171 ug/L
RT: 5.911 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

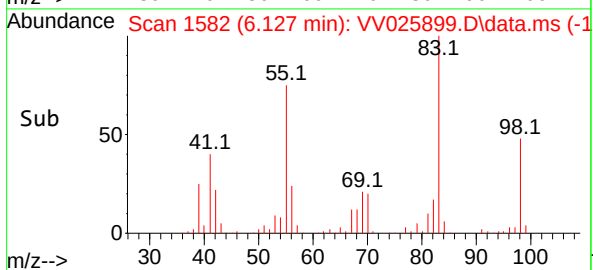
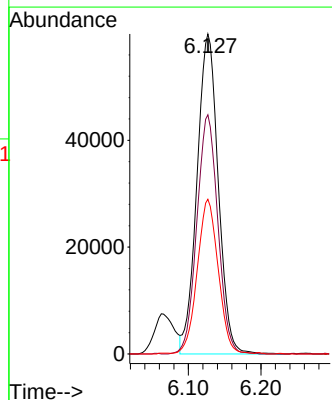
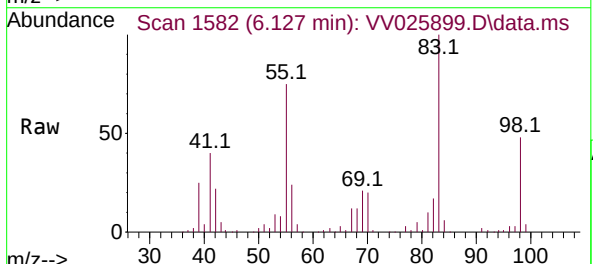
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

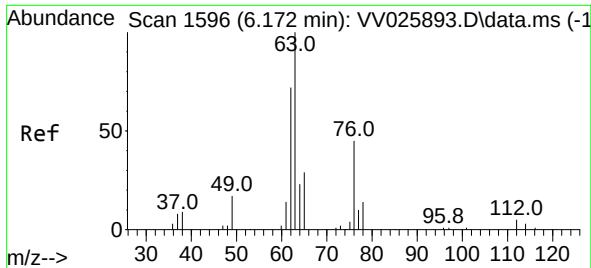
Tgt Ion: 95 Resp: 75967
Ion Ratio Lower Upper
95 100
97 65.8 44.9 83.3
132 98.1 67.6 125.6
130 100.7 71.0 131.8



#35
Methylcyclohexane
Concen: 5.412 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 83 Resp: 122075
Ion Ratio Lower Upper
83 100
55 73.9 60.1 90.1
98 47.2 40.6 61.0





#37

1,2-Dichloropropane

Concen: 5.368 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

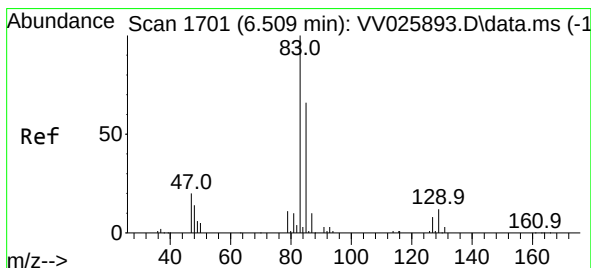
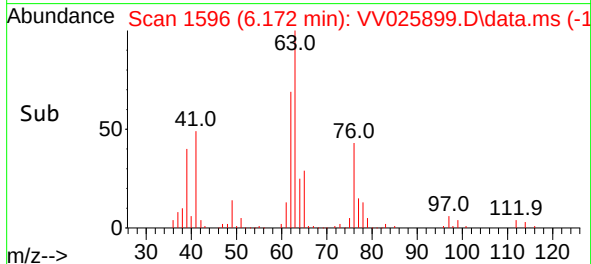
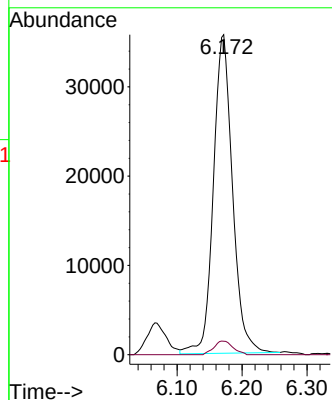
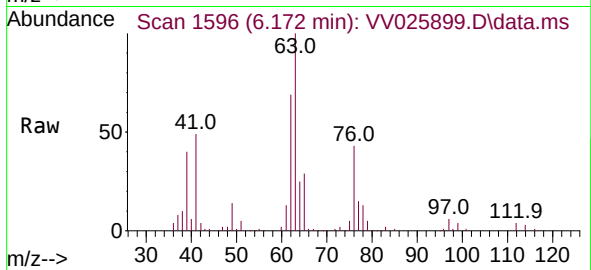
VSTD005289

Tgt Ion: 63 Resp: 72842

Ion Ratio Lower Upper

63 100

112 4.3 3.9 5.9



#38

Bromodichloromethane

Concen: 5.212 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

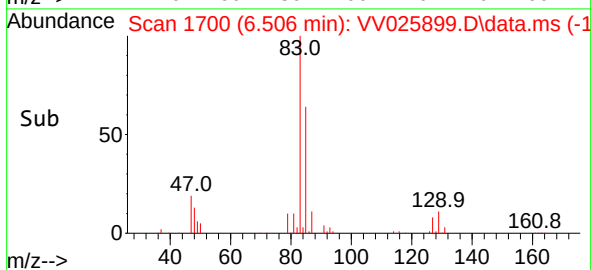
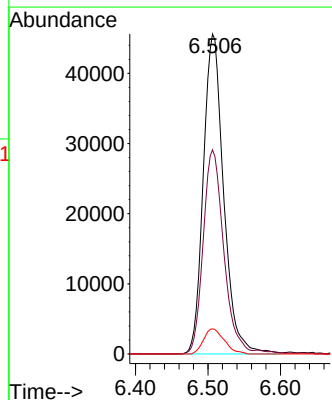
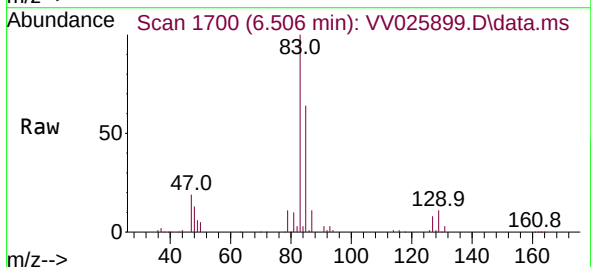
Tgt Ion: 83 Resp: 88887

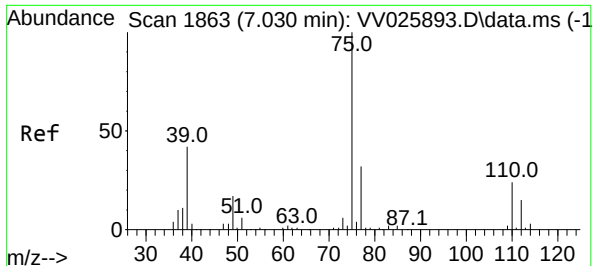
Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.5

127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 5.167 ug/L

RT: 7.024 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

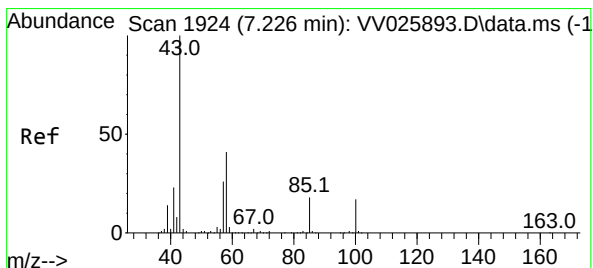
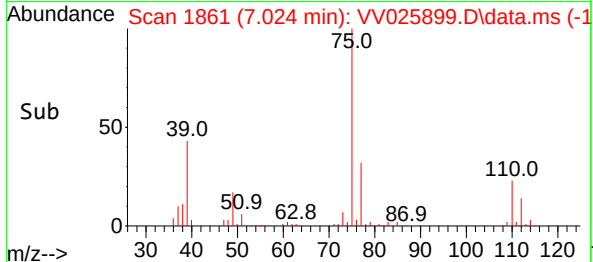
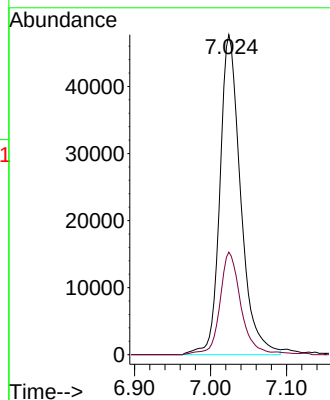
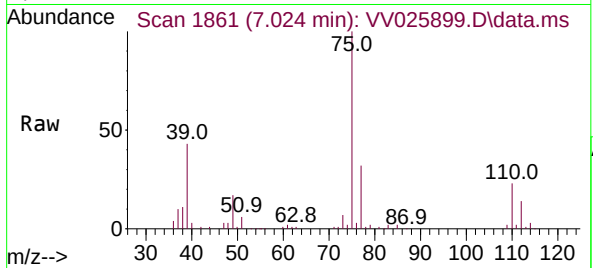
VSTD005289

Tgt Ion: 75 Resp: 90510

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 51.068 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

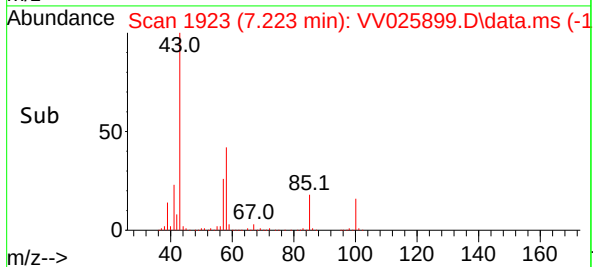
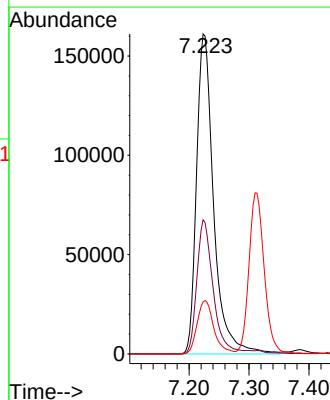
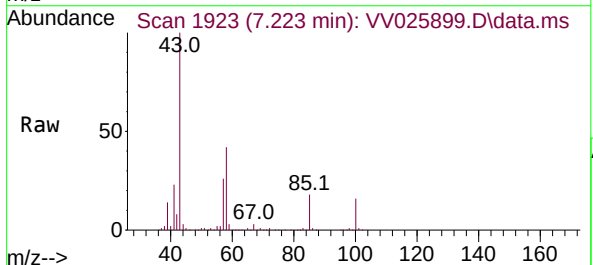
Tgt Ion: 43 Resp: 320547

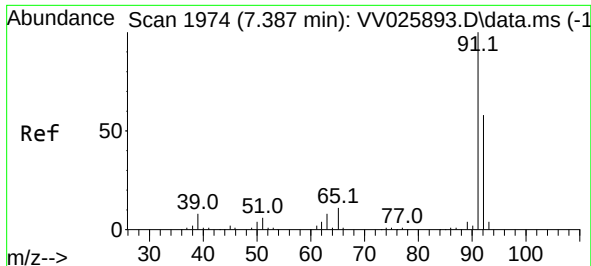
Ion Ratio Lower Upper

43 100

58 40.3 31.6 47.4

100 16.3 12.2 18.4





#42

Toluene

Concen: 5.397 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

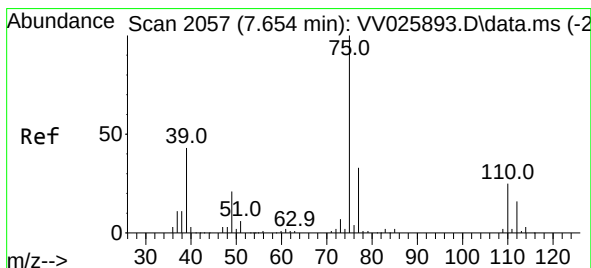
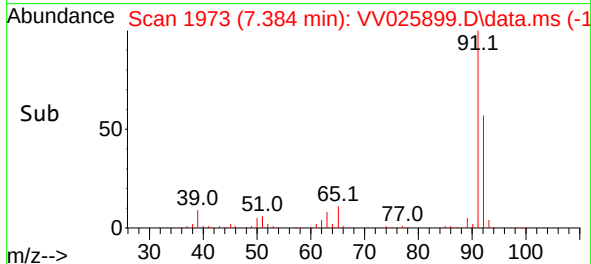
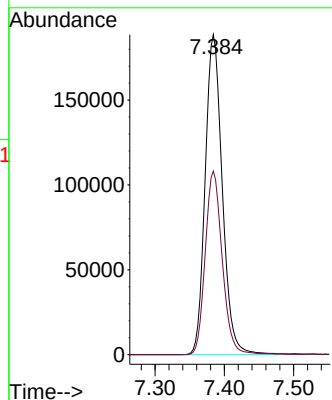
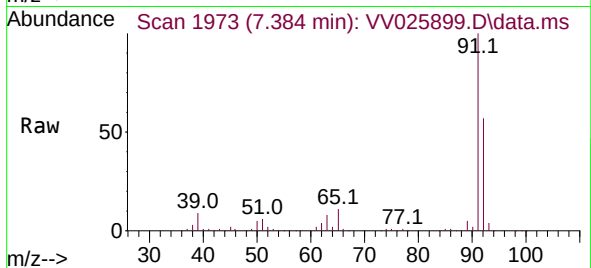
VSTD005289

Tgt Ion: 91 Resp: 323179

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.300 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VV025899.D

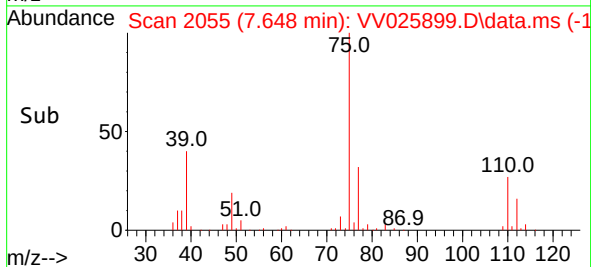
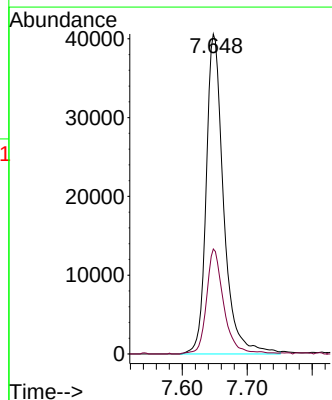
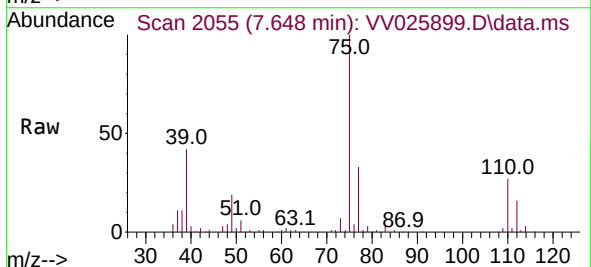
Acq: 16 May 2022 09:53

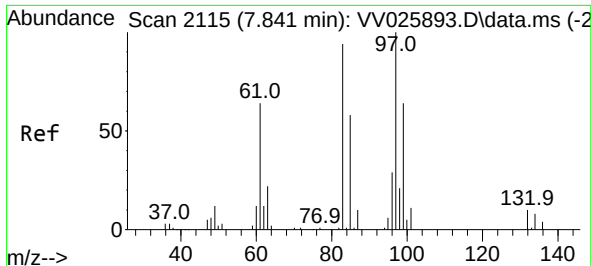
Tgt Ion: 75 Resp: 75724

Ion Ratio Lower Upper

75 100

77 32.8 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 4.840 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion: 97 Resp: 45086

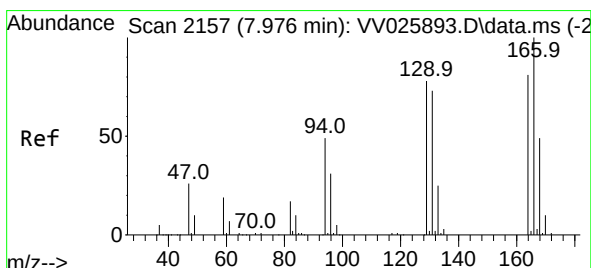
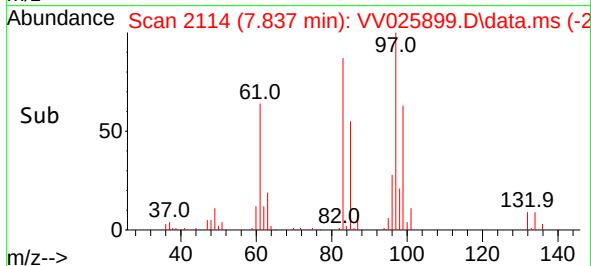
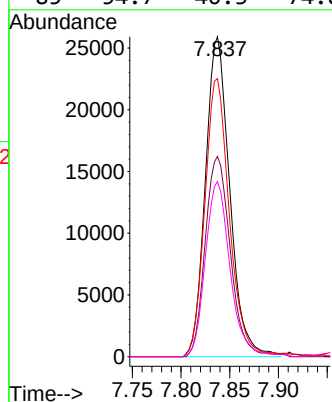
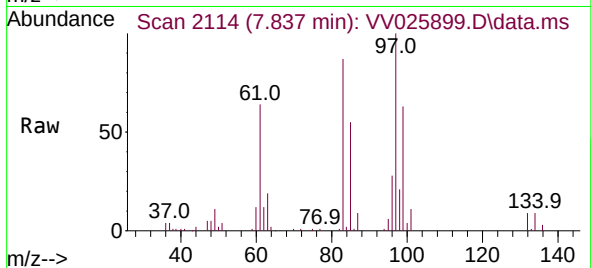
Ion Ratio Lower Upper

97 100

99 62.6 44.8 83.2

83 86.9 65.7 121.9

85 54.7 40.3 74.8



#47

Tetrachloroethene

Concen: 5.250 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Tgt Ion: 164 Resp: 59766

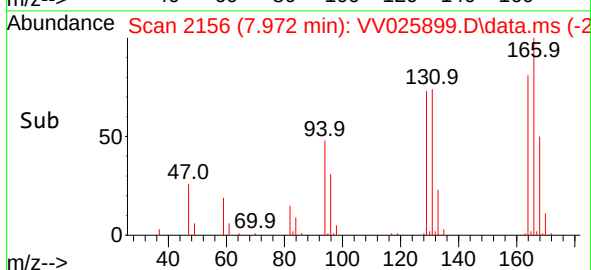
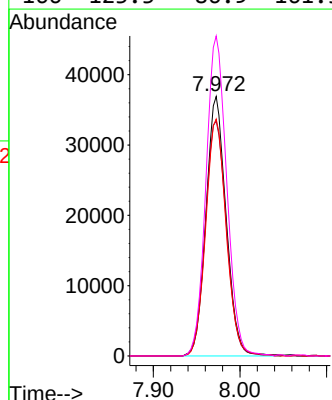
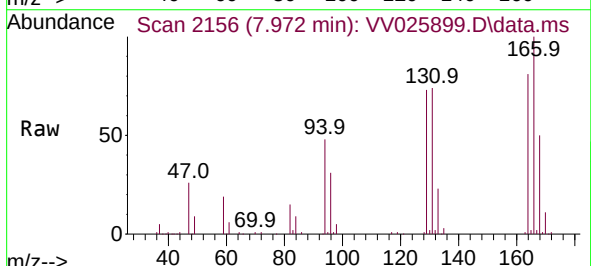
Ion Ratio Lower Upper

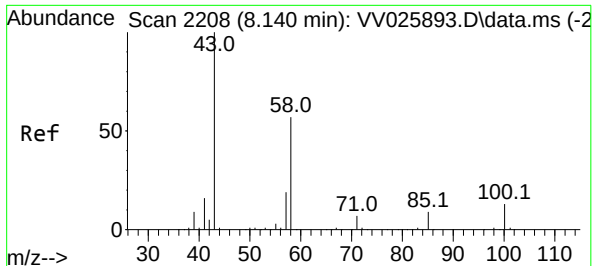
164 100

129 90.5 67.5 125.4

131 91.3 63.8 118.4

166 123.3 86.9 161.3

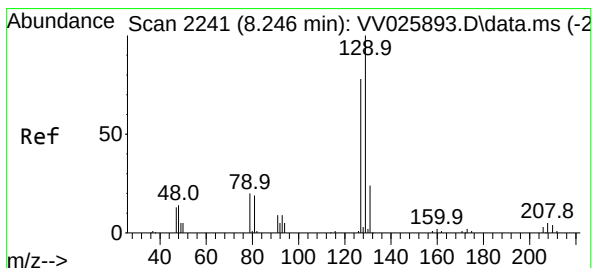
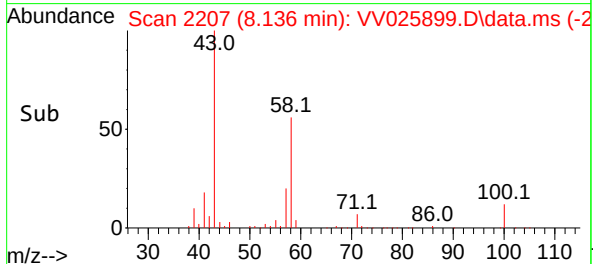
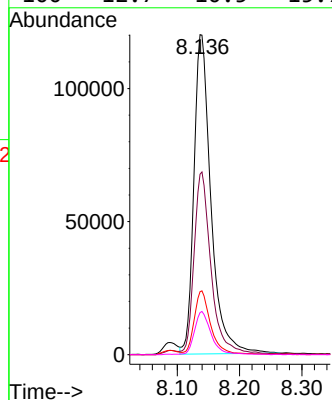
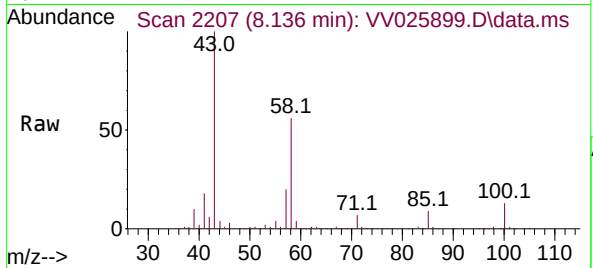




#48
2-Hexanone
Concen: 51.481 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

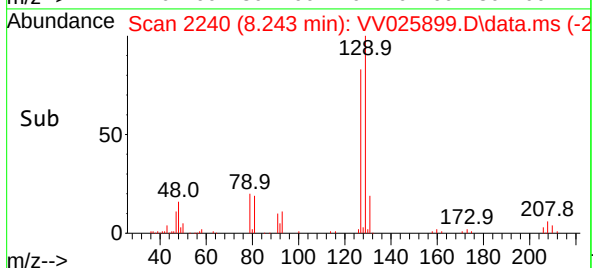
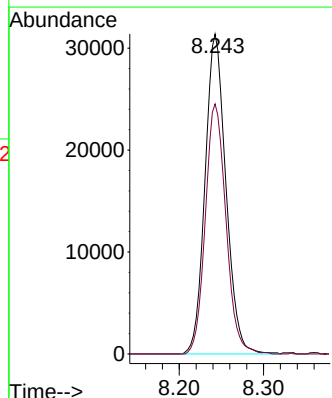
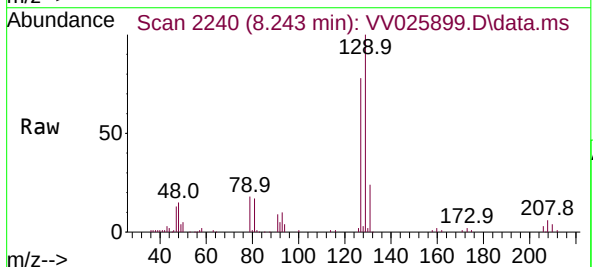
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

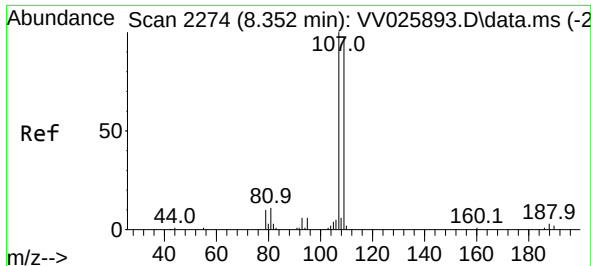
Tgt Ion: 43 Resp: 228436
Ion Ratio Lower Upper
43 100
58 55.0 44.7 67.1
57 18.6 14.9 22.3
100 12.7 10.5 15.7



#49
Dibromochloromethane
Concen: 5.321 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 129 Resp: 54158
Ion Ratio Lower Upper
129 100
127 78.2 54.5 101.1





#50

1,2-Dibromoethane

Concen: 4.943 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

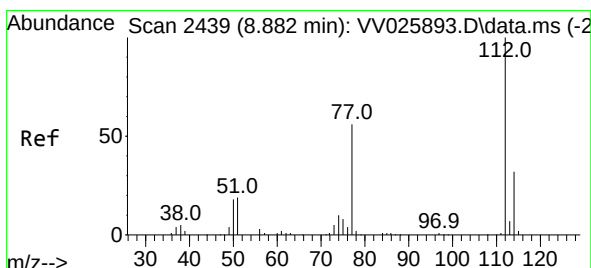
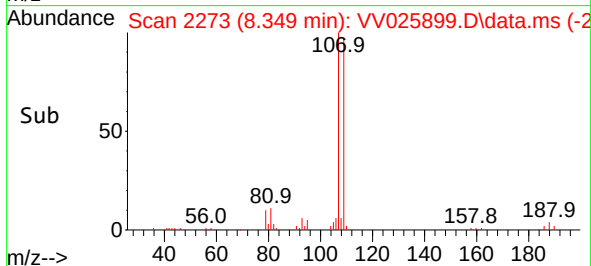
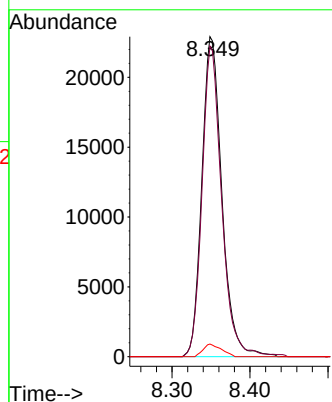
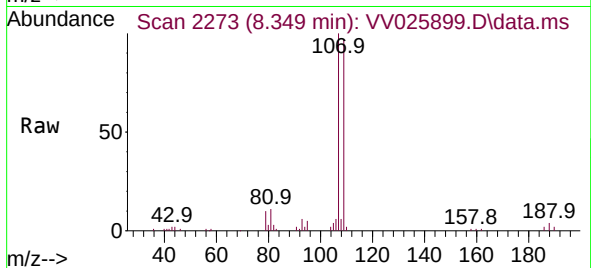
Tgt Ion:107 Resp: 40938

Ion Ratio Lower Upper

107 100

109 97.0 68.1 126.5

188 4.0 2.7 4.1



#51

Chlorobenzene

Concen: 5.111 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

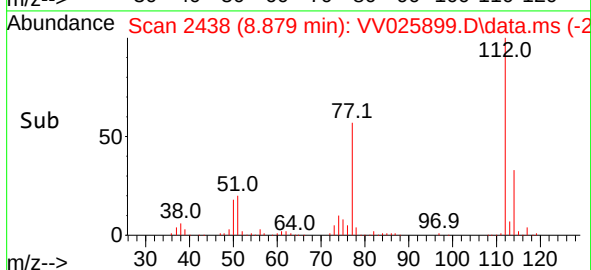
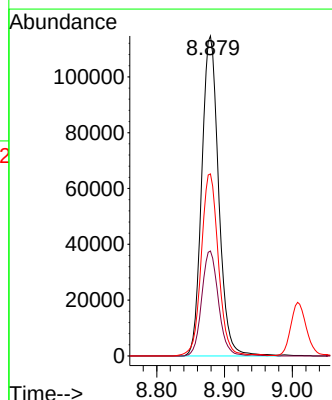
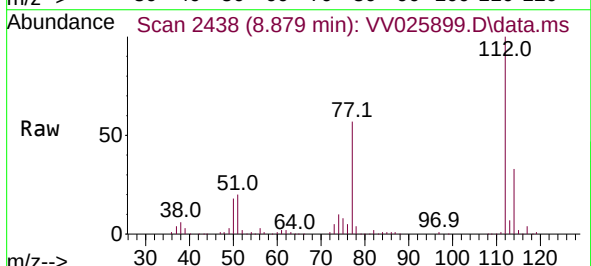
Tgt Ion:112 Resp: 198517

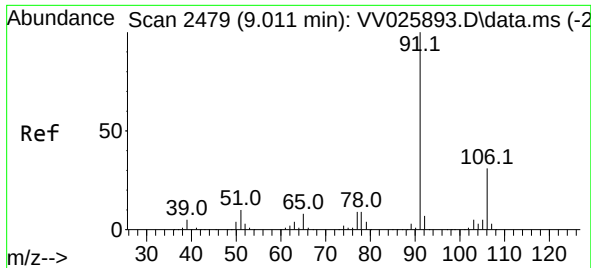
Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

77 56.9 45.3 67.9

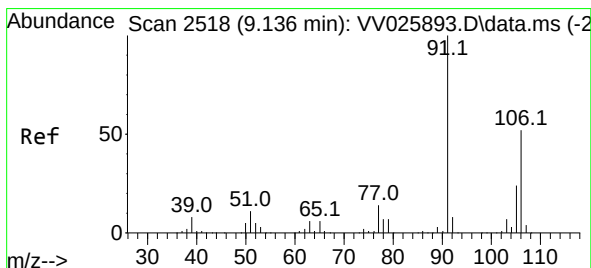
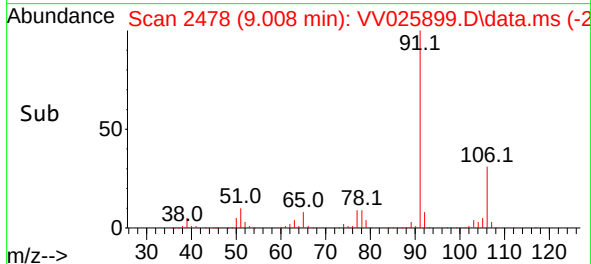
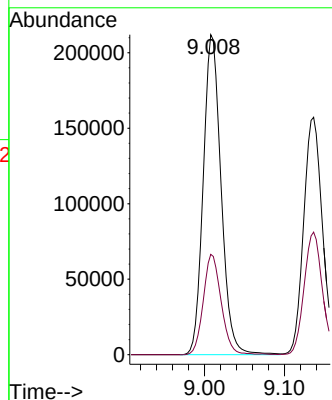
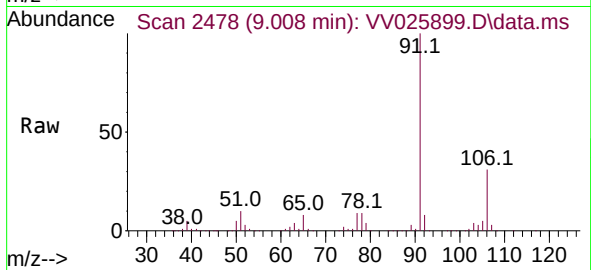




#52
Ethylbenzene
Concen: 5.235 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

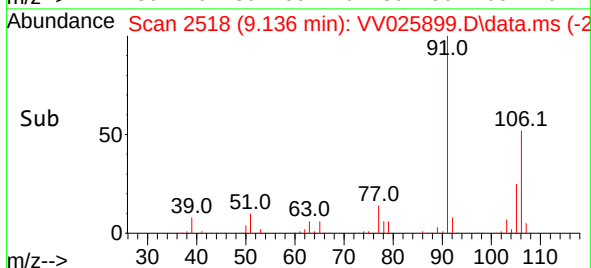
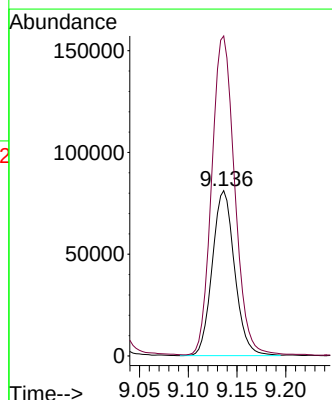
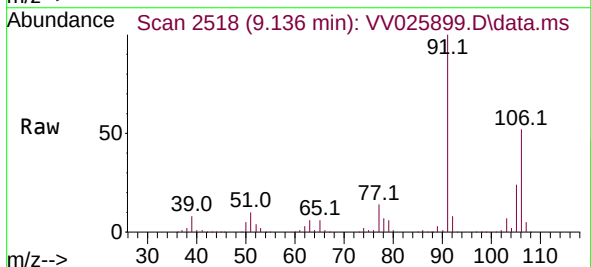
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

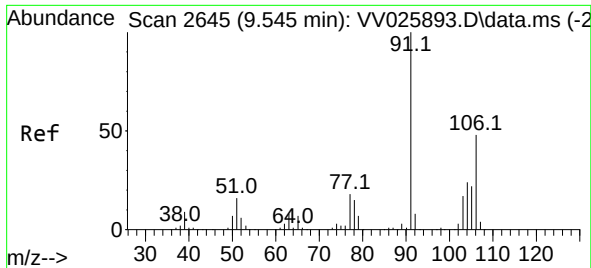
Tgt Ion: 91 Resp: 329703
Ion Ratio Lower Upper
91 100
106 31.4 21.6 40.0



#53
m,p-Xylene
Concen: 5.316 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 106 Resp: 129323
Ion Ratio Lower Upper
106 100
91 193.7 135.3 251.3

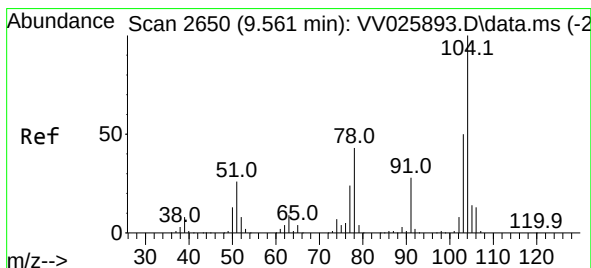
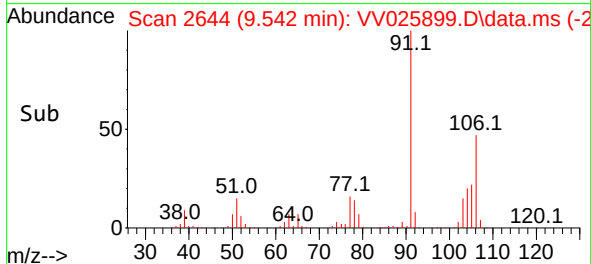
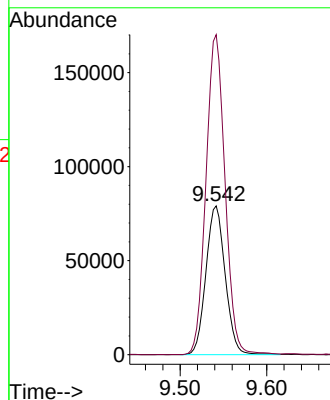
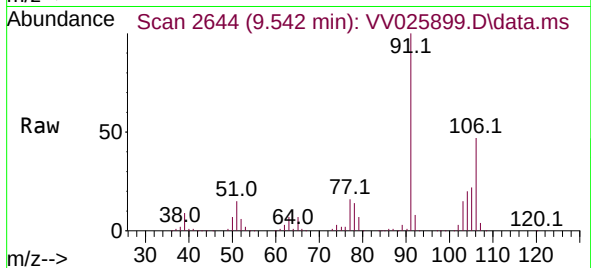




#54
o-Xylene
Concen: 5.279 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

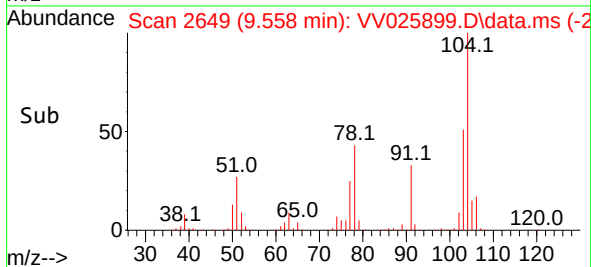
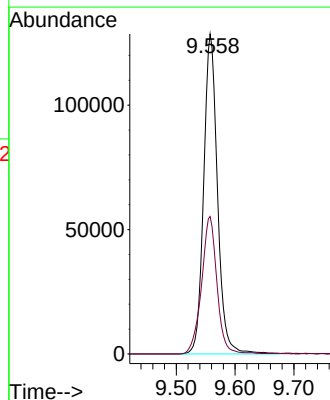
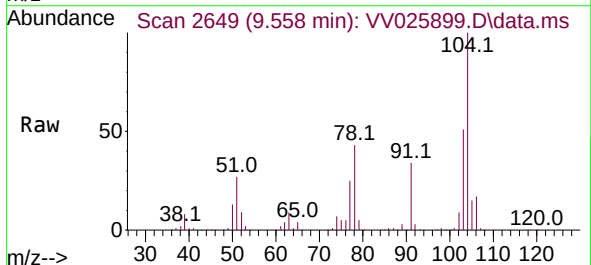
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

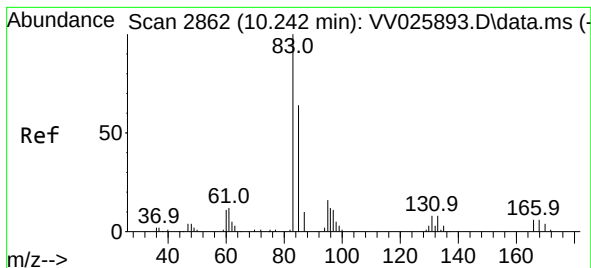
Tgt Ion:106 Resp: 122284
Ion Ratio Lower Upper
106 100
91 215.0 145.1 269.5



#55
Styrene
Concen: 5.395 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion:104 Resp: 209994
Ion Ratio Lower Upper
104 100
78 42.9 30.0 55.8

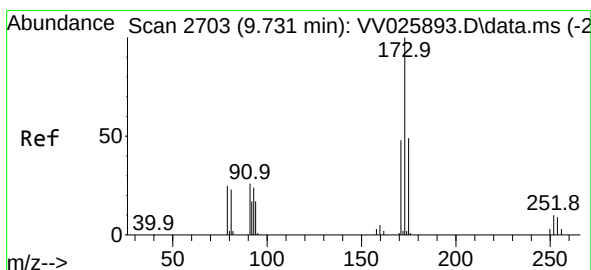
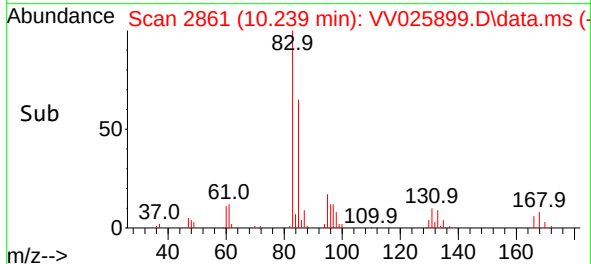
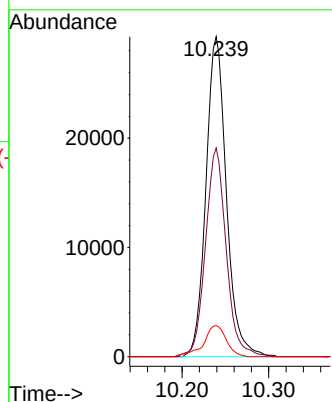
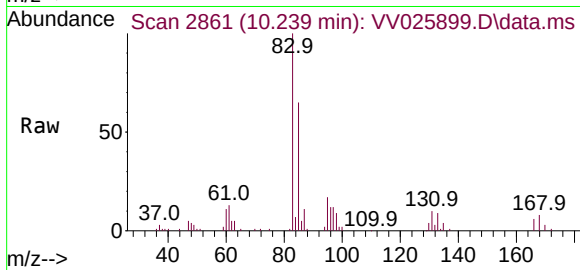




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.773 ug/L
 RT: 10.239 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

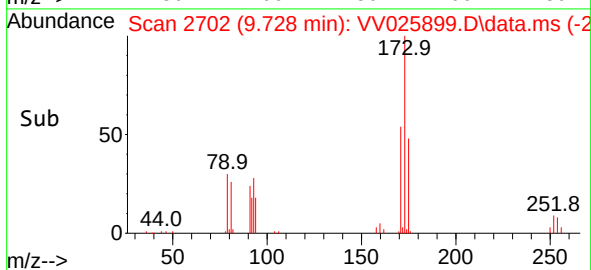
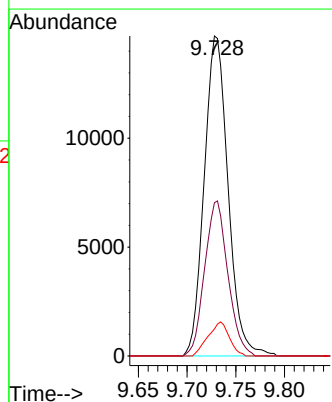
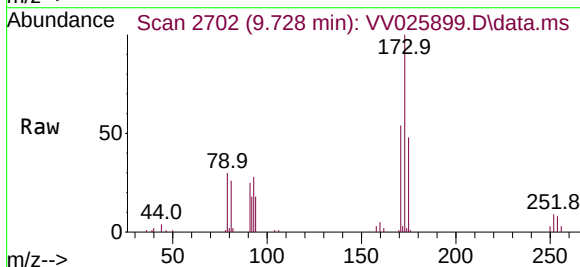
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

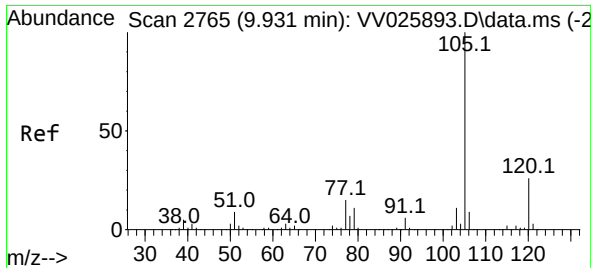
Tgt Ion: 83 Resp: 48040
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.5 82.7
 131 9.7 6.7 10.1



#59
 Bromoform
 Concen: 5.275 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. -0.003 min
 Lab File: VV025899.D
 Acq: 16 May 2022 09:53

Tgt Ion: 173 Resp: 25044
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.4 59.2
 254 9.4 7.0 10.6

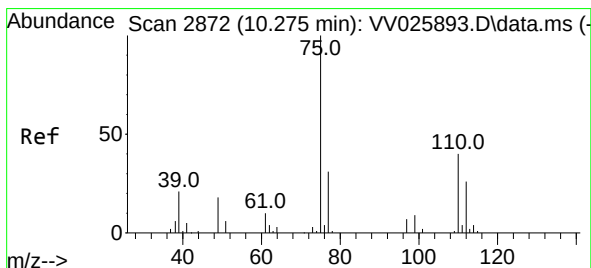
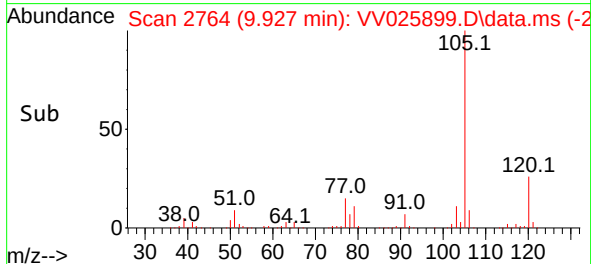
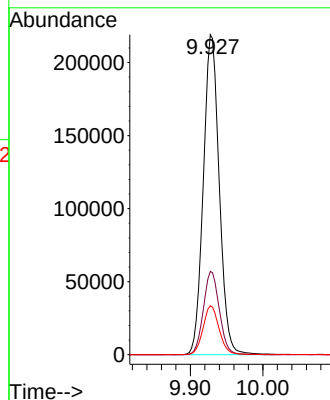
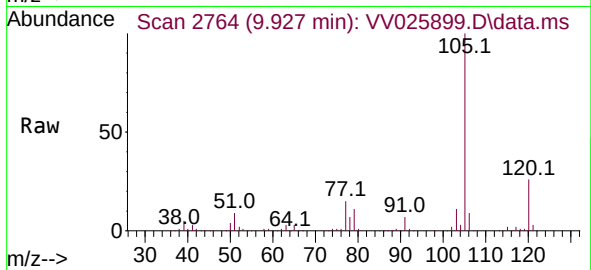




#60
Isopropylbenzene
Concen: 5.471 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

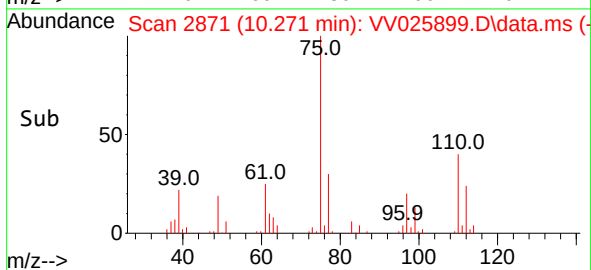
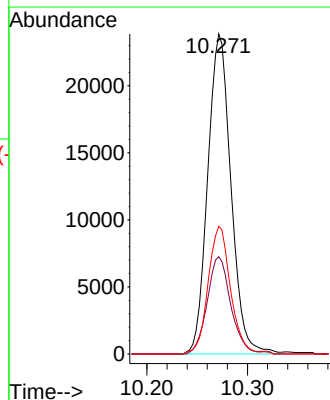
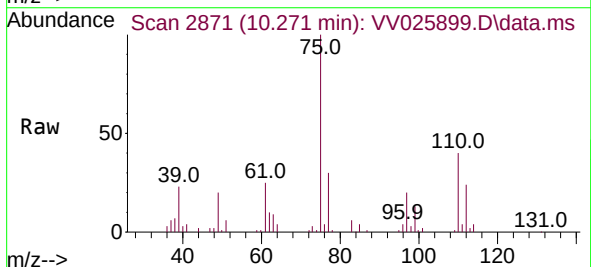
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

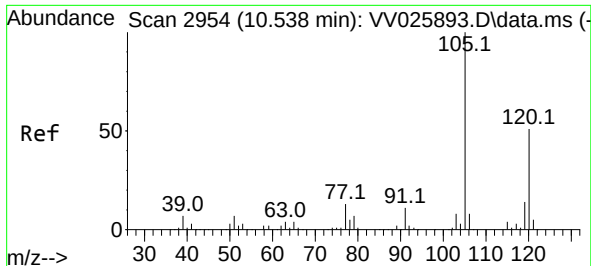
Tgt Ion:105 Resp: 334672
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.037 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 75 Resp: 38389
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
110 38.4 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 5.279 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

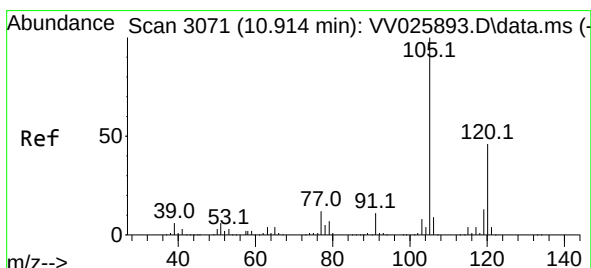
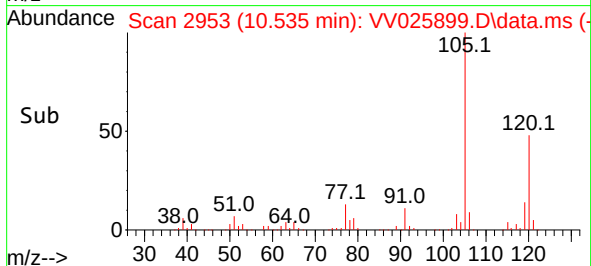
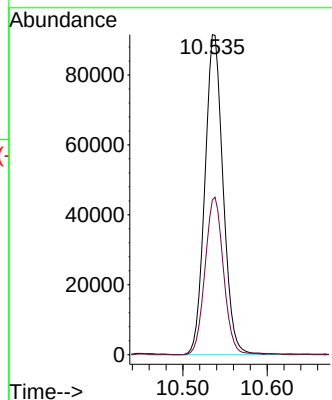
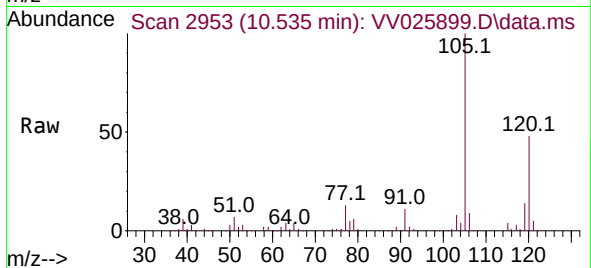
VSTD005289

Tgt Ion:105 Resp: 137932

Ion Ratio Lower Upper

105 100

120 49.8 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 5.392 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV025899.D

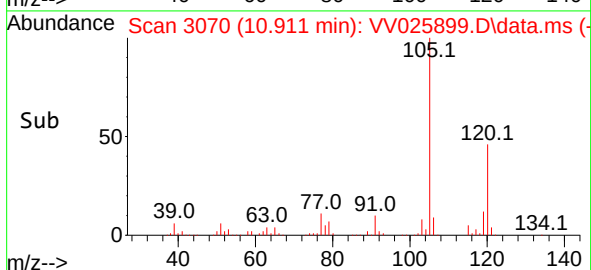
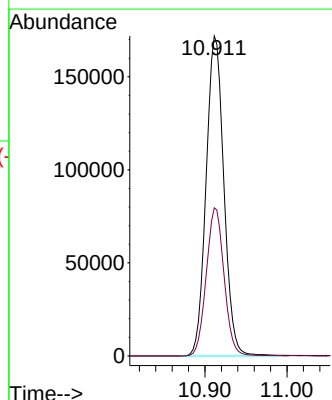
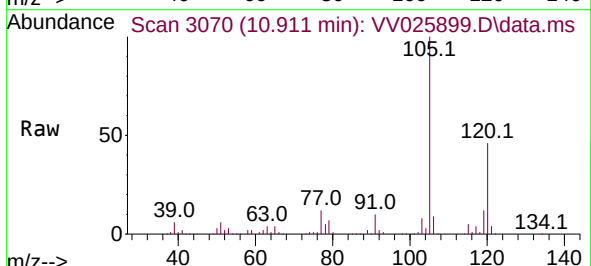
Acq: 16 May 2022 09:53

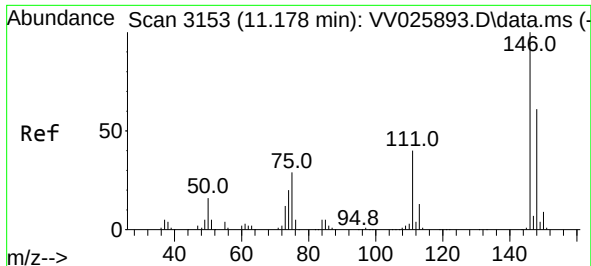
Tgt Ion:105 Resp: 258288

Ion Ratio Lower Upper

105 100

120 46.5 36.8 55.2

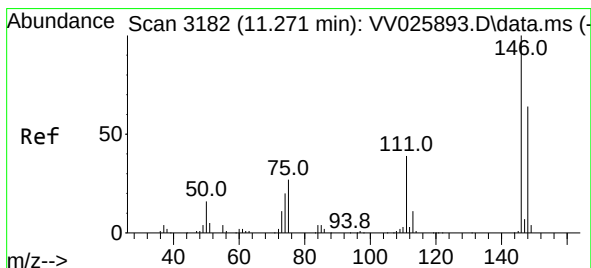
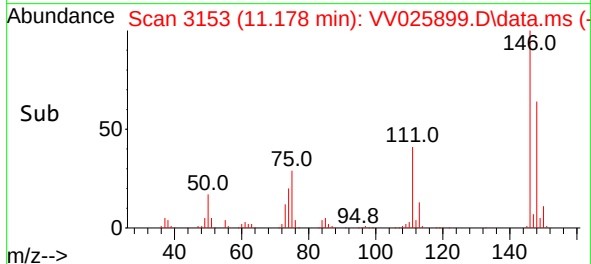
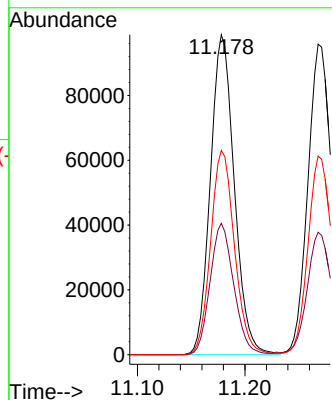
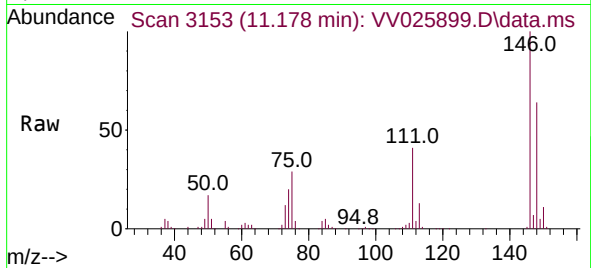




#64
1,3-Dichlorobenzene
Concen: 5.274 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

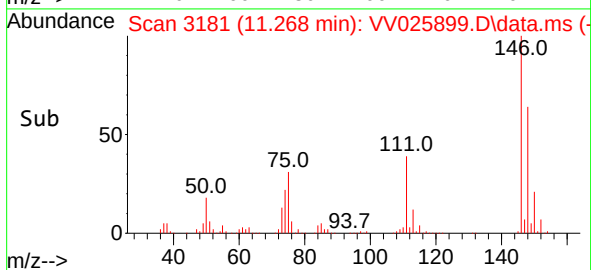
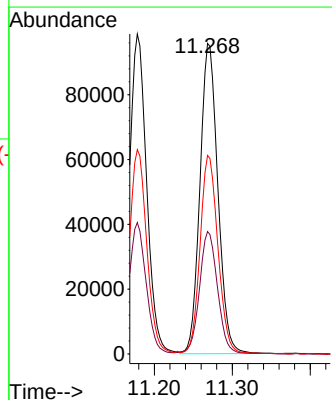
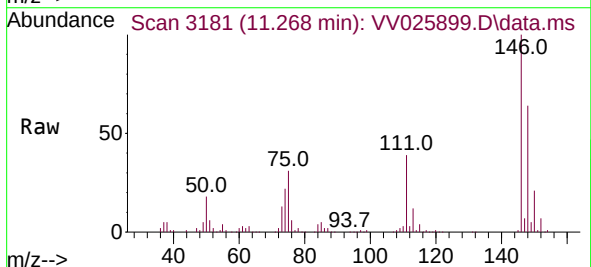
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

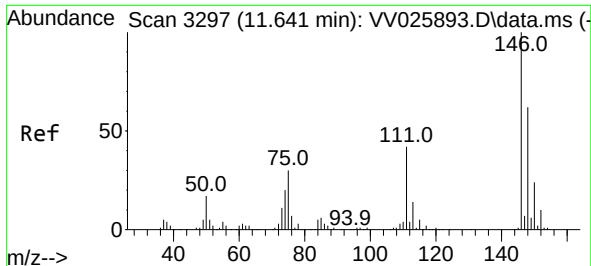
Tgt Ion:146 Resp: 152651
Ion Ratio Lower Upper
146 100
111 41.0 28.2 52.4
148 63.9 42.6 79.0



#65
1,4-Dichlorobenzene
Concen: 5.182 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion:146 Resp: 152696
Ion Ratio Lower Upper
146 100
111 39.4 27.5 51.1
148 64.0 44.7 82.9

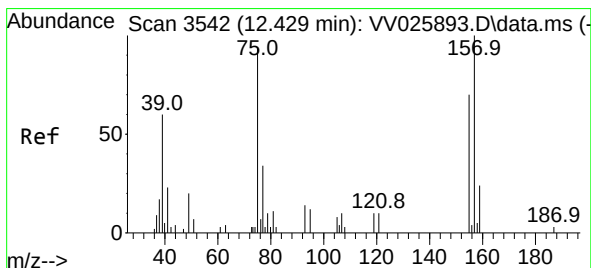
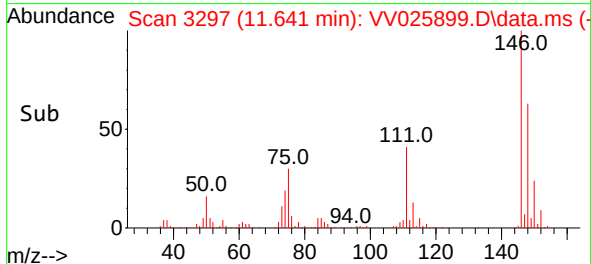
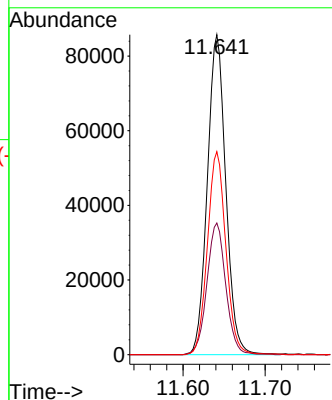
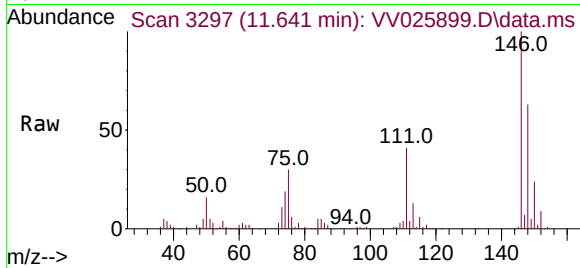




#67
1,2-Dichlorobenzene
Concen: 5.167 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

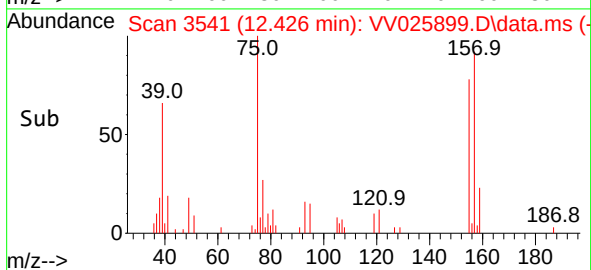
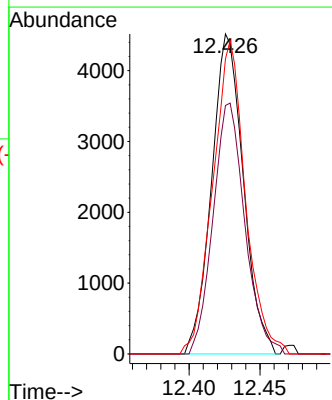
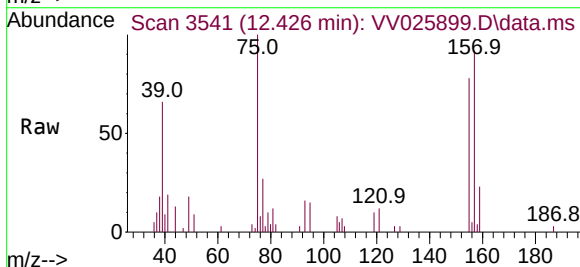
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

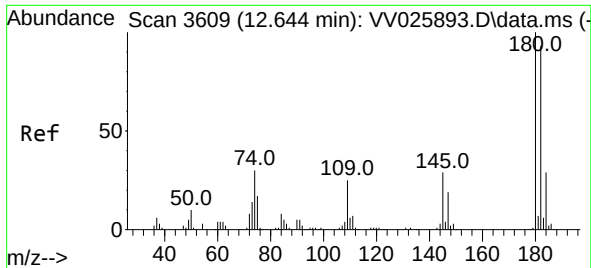
Tgt Ion:146 Resp: 134386
Ion Ratio Lower Upper
146 100
111 41.1 33.6 50.4
148 63.4 49.4 74.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.763 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VV025899.D
Acq: 16 May 2022 09:53

Tgt Ion: 75 Resp: 7030
Ion Ratio Lower Upper
75 100
155 77.6 59.6 89.4
157 92.3 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 5.227 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion:180 Resp: 112695

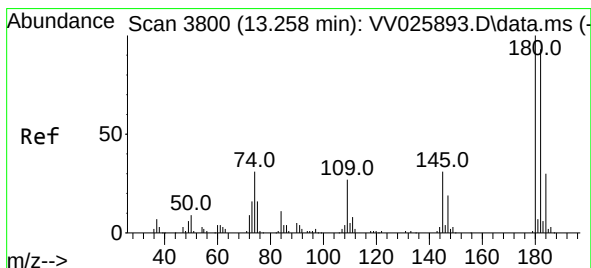
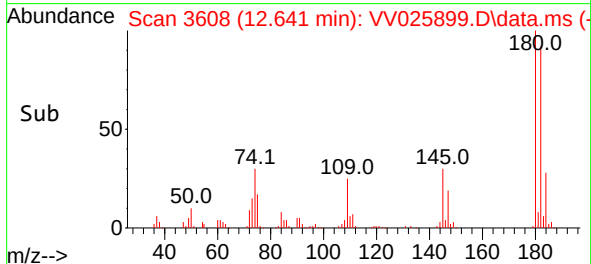
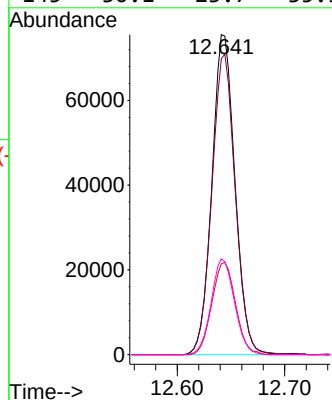
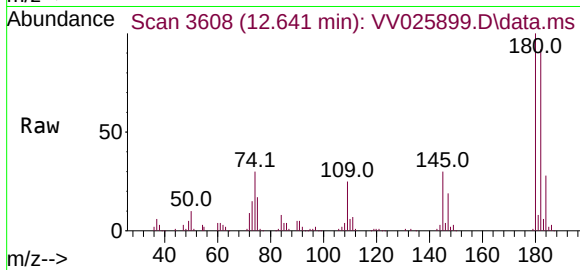
Ion Ratio Lower Upper

180 100

182 95.0 74.3 111.5

184 29.5 23.5 35.3

145 30.1 23.7 35.5



#70

1,2,4-trichlorobenzene

Concen: 5.115 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

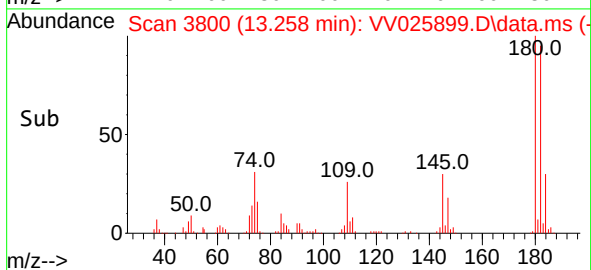
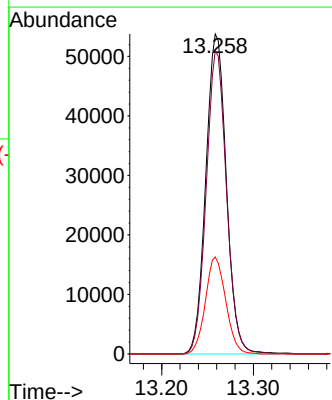
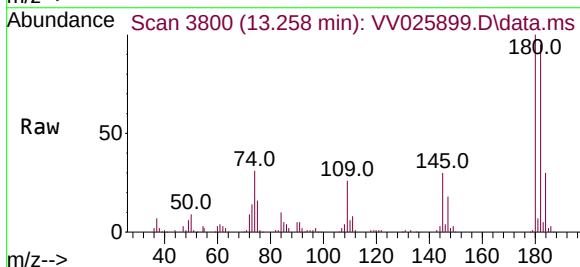
Tgt Ion:180 Resp: 83667

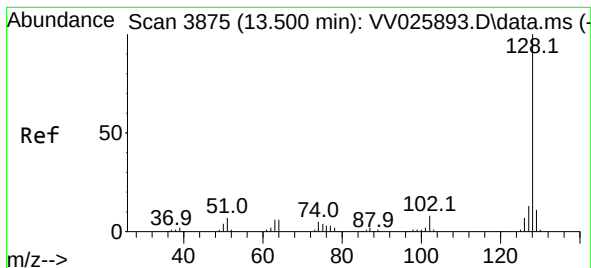
Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.4

145 30.1 25.1 37.7





#71

Naphthalene

Concen: 4.507 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

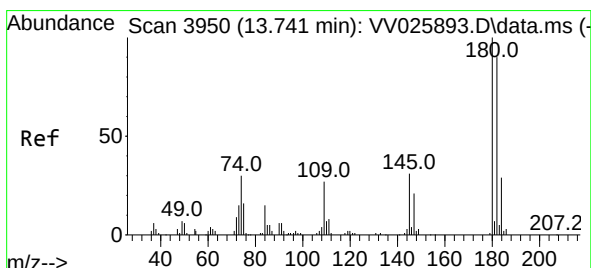
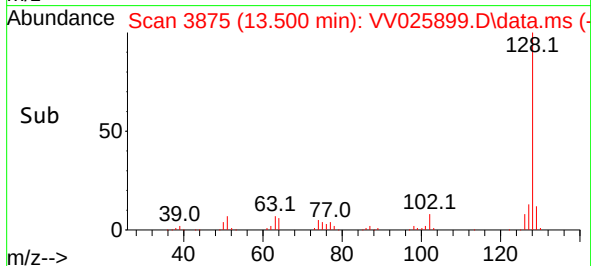
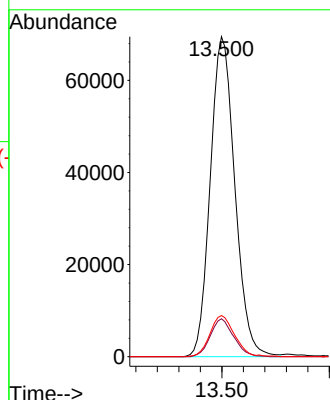
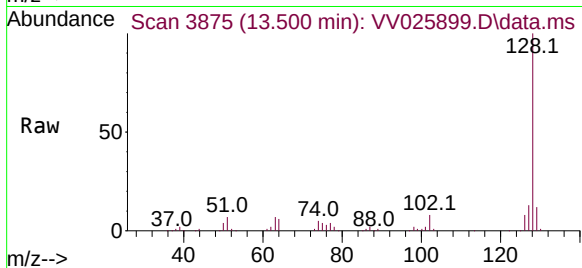
Tgt Ion:128 Resp: 110378

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.864 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025899.D

Acq: 16 May 2022 09:53

Tgt Ion:180 Resp: 68732

Ion Ratio Lower Upper

180 100

182 95.7 73.5 110.3

145 32.8 25.9 38.9

