

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031522\
 Data File : VW024990.D
 Acq On : 15 Mar 2022 11:29
 Operator : SY/MD
 Sample : VSTD0.519
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5219

Quant Time: Mar 16 02:55:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 02:55:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	168231	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	154505	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	68235	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	7018	0.528	ug/L	0.00
7) Chloroethane-d5	1.568	69	5039	0.518	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	10826	0.504	ug/L	0.00
20) 2-Butanone-d5	3.934	46	724	0.515	ug/L	0.04
24) Chloroform-d	4.349	84	10773	0.489	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.040	65	4519	0.491	ug/L	0.00
32) Benzene-d6	5.053	84	21471	0.479	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.072	67	6631	0.514	ug/L	0.00
41) Toluene-d8	7.317	98	19717	0.483	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.629	79	1955	0.435	ug/L	0.00
46) 2-Hexanone-d5	8.101	63	4774	3.115	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.217	84	3563	0.470	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	5747	0.498	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	7532	0.507	ug/L	99
3) Chloromethane	1.243	50	7598	0.542	ug/L	96
5) Vinyl chloride	1.310	62	7729	0.523	ug/L	96
6) Bromomethane	1.523	94	4969	0.520	ug/L	92
8) Chloroethane	1.587	64	4622	0.515	ug/L	98
9) Trichlorofluoromethane	1.754	101	10320	0.513	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	5653	0.518	ug/L	99
12) 1,1-Dichloroethene	2.118	96	5639	0.526	ug/L	88
13) Acetone	2.185	43	3632	3.892	ug/L	69
14) Carbon disulfide	2.294	76	18777	0.490	ug/L	98
15) Methyl Acetate	2.445	43	1328	0.426	ug/L #	73
16) Methylene chloride	2.507	84	7073	0.545	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	10784	0.462	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	6103	0.473	ug/L	97
19) 1,1-Dichloroethane	3.191	63	10502	0.478	ug/L	97
21) 2-Butanone	4.018	43	1792	1.178	ug/L #	25
22) cis-1,2-Dichloroethene	3.918	96	5899	0.453	ug/L	95
23) Bromochloromethane	4.252	128	2294	0.447	ug/L	95
25) Chloroform	4.375	83	11315	0.495	ug/L	99
27) 1,2-Dichloroethane	5.140	62	5319	0.468	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	9581	0.486	ug/L	98
30) Cyclohexane	4.674	56	9308	0.486	ug/L	97
31) Carbon tetrachloride	4.825	117	8034	0.475	ug/L	99
33) Benzene	5.101	78	24489	0.487	ug/L	100
34) Trichloroethene	5.921	95	6340	0.474	ug/L	95
35) Methylcyclohexane	6.127	83	10088	0.476	ug/L	97
37) 1,2-Dichloropropane	6.175	63	5620	0.487	ug/L	100
38) Bromodichloromethane	6.513	83	6894	0.472	ug/L	97
39) cis-1,3-Dichloropropene	7.034	75	6642	0.414	ug/L	94
40) 4-Methyl-2-pentanone	7.230	43	17859	3.758	ug/L	98
42) Toluene	7.391	91	23934	0.455	ug/L	95
44) trans-1,3-Dichloropropene	7.657	75	5253	0.416	ug/L	96

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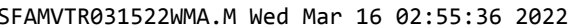
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 MSVOA_V
 ClientSampleId :
 VSTD0.5219

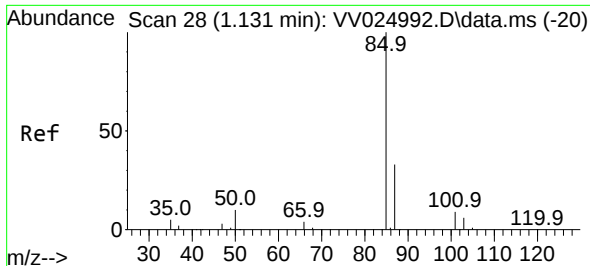
Quant Time: Mar 16 02:55:28 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 02:55:00 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.844	97	3732	0.484	ug/L	92
47) Tetrachloroethene	7.976	164	4721	0.502	ug/L	95
49) Dibromochloromethane	8.246	129	3589	0.416	ug/L	97
50) 1,2-Dibromoethane	8.355	107	3324	0.471	ug/L #	98
51) Chlorobenzene	8.883	112	16143	0.490	ug/L	98
52) Ethylbenzene	9.011	91	25449	0.457	ug/L	100
53) m,p-xylene	9.136	106	9552	0.446	ug/L	99
54) o-xylene	9.542	106	9388	0.458	ug/L	97
55) Styrene	9.564	104	14083	0.422	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.243	83	3316	0.439	ug/L	100
59) Bromoform	9.731	173	1736	0.472	ug/L #	88
60) Isopropylbenzene	9.931	105	24388	0.474	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	3047	0.531	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	10654	0.456	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	17681	0.428	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	10980	0.492	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	11489	0.511	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	9650	0.488	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.432	75	426	0.433	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.644	180	7733	0.490	ug/L	95
70) 1,2,4-trichlorobenzene	13.262	180	5617	0.457	ug/L	93
71) Naphthalene	13.506	128	9522	0.467	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	4875	0.468	ug/L	99

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

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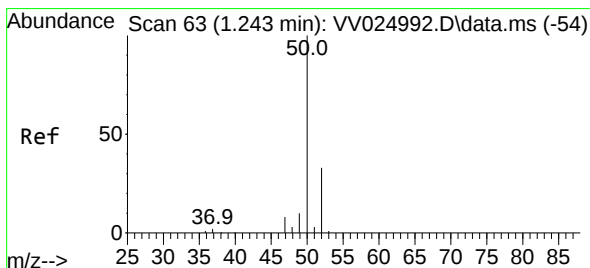
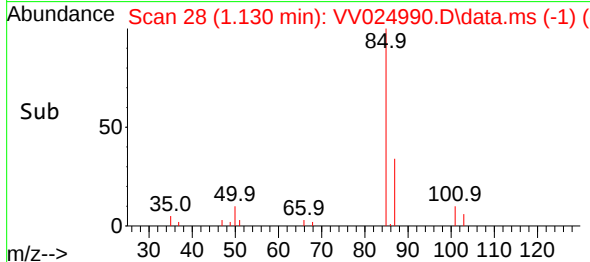
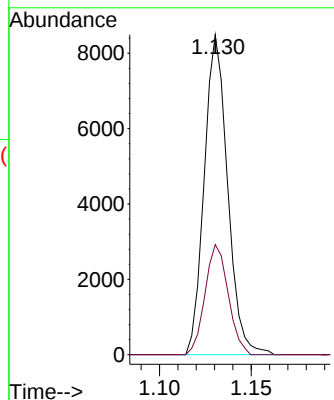
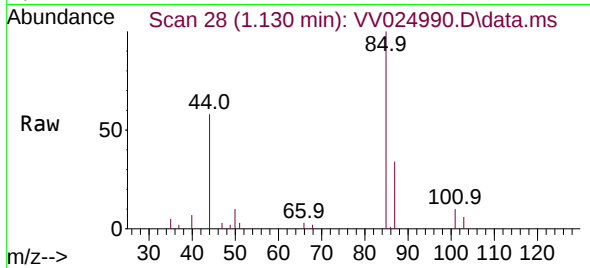




#2
 Dichlorodifluoromethane
 Concen: 0.507 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

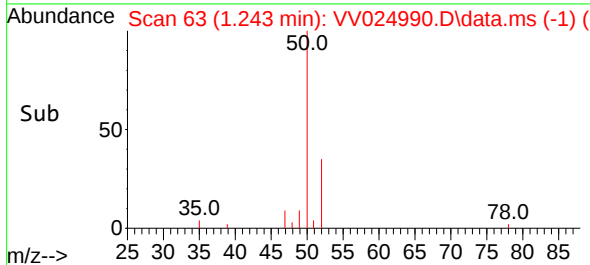
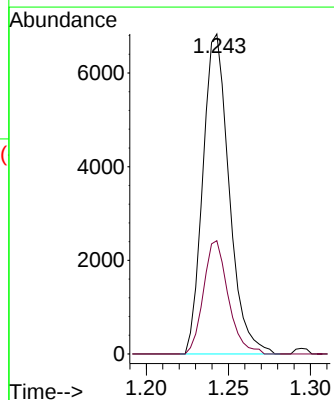
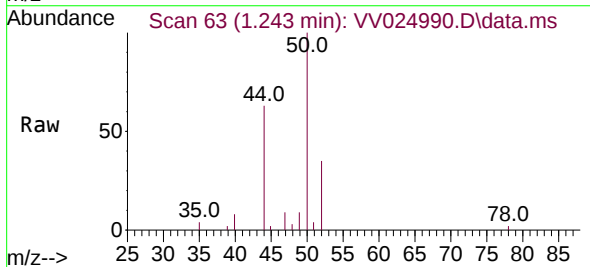
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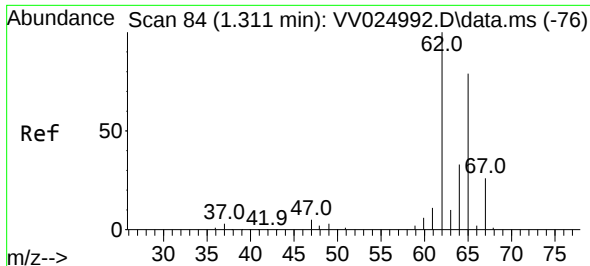
Tgt Ion: 85 Resp: 7532
 Ion Ratio Lower Upper
 85 100
 87 34.1 26.7 40.1



#3
 Chloromethane
 Concen: 0.542 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

Tgt Ion: 50 Resp: 7598
 Ion Ratio Lower Upper
 50 100
 52 35.4 23.2 43.2

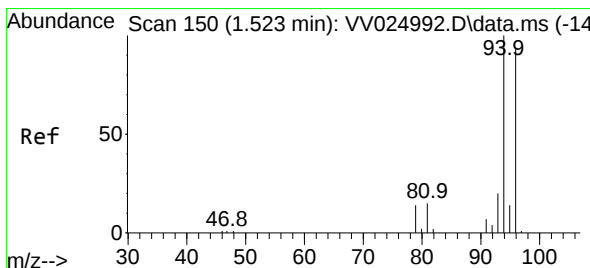
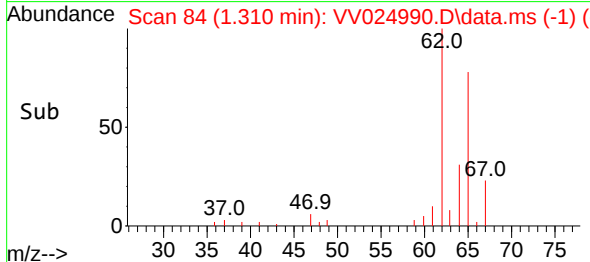
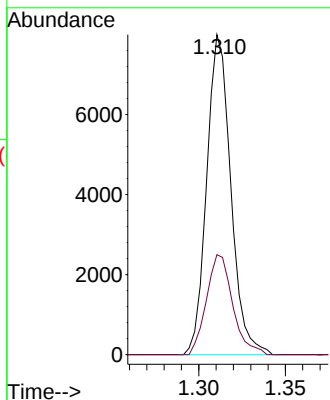
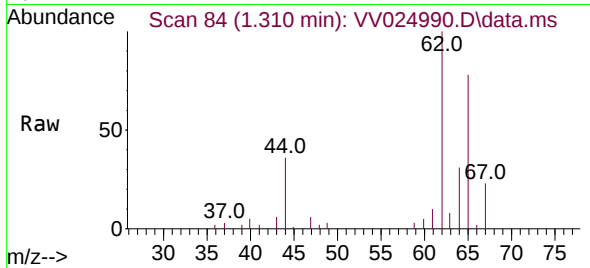




#5
 Vinyl chloride
 Concen: 0.523 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

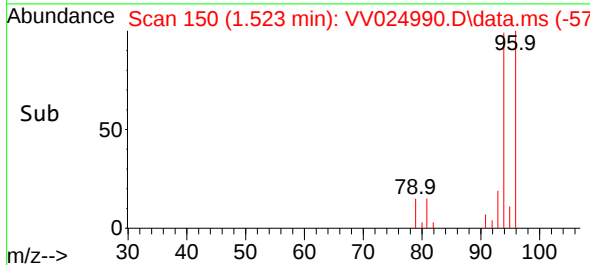
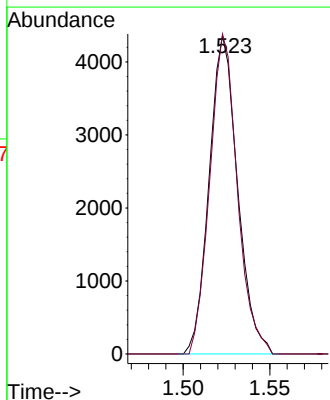
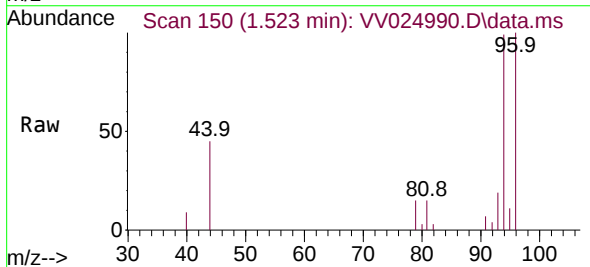
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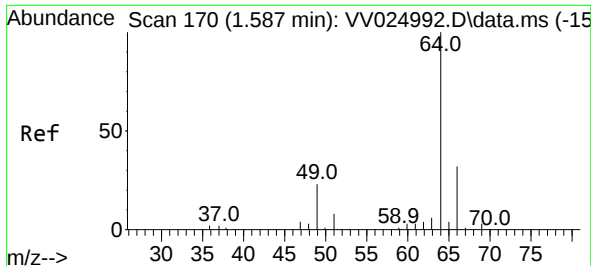
Tgt Ion: 62 Resp: 7729
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.4 43.4



#6
 Bromomethane
 Concen: 0.520 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

Tgt Ion: 94 Resp: 4969
 Ion Ratio Lower Upper
 94 100
 96 100.6 64.9 120.5

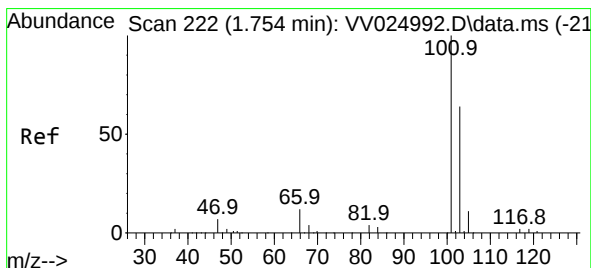
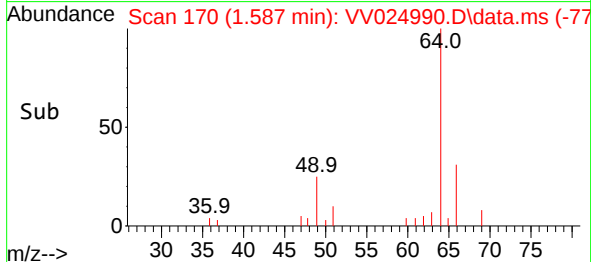
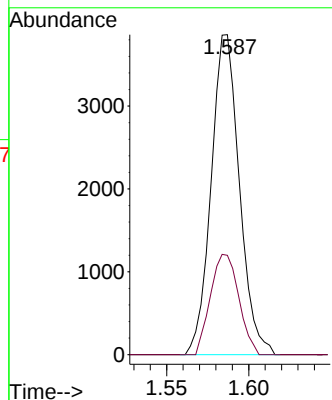
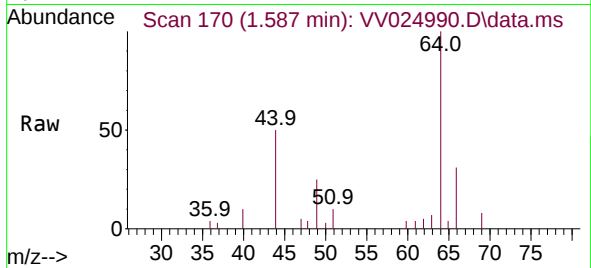




#8
Chloroethane
Concen: 0.515 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

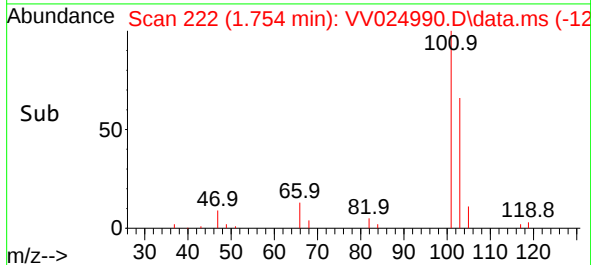
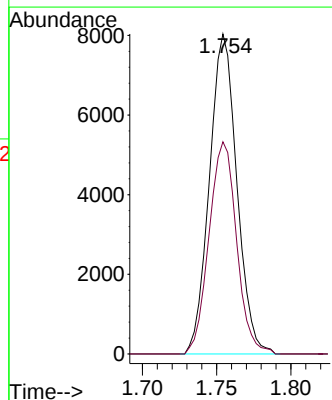
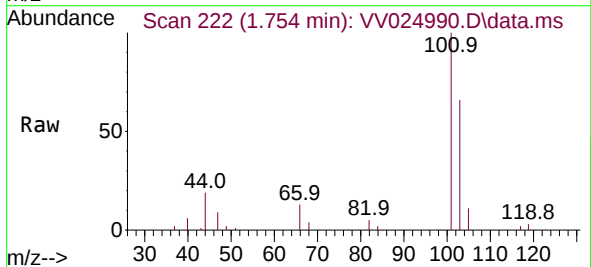
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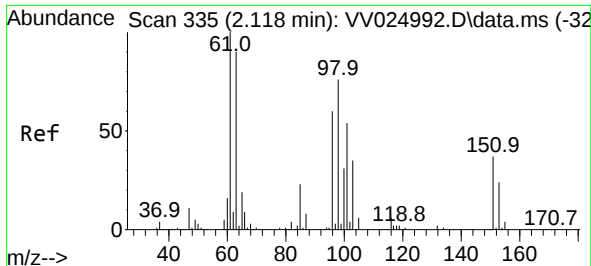
Tgt Ion: 64 Resp: 4622
Ion Ratio Lower Upper
64 100
66 31.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 0.513 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion:101 Resp: 10320
Ion Ratio Lower Upper
101 100
103 66.6 51.5 77.3

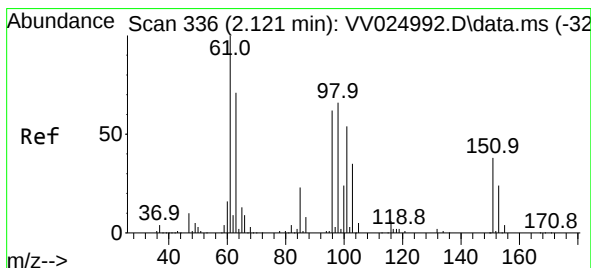
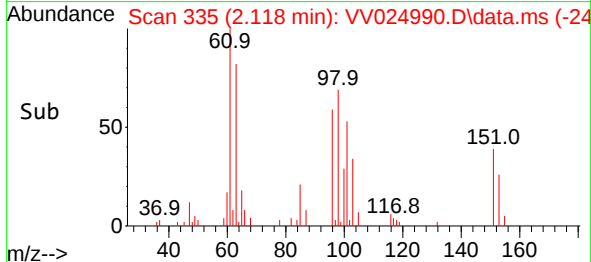
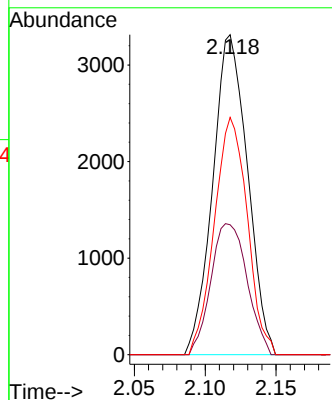
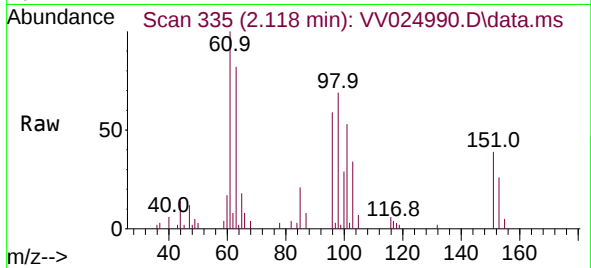




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.518 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

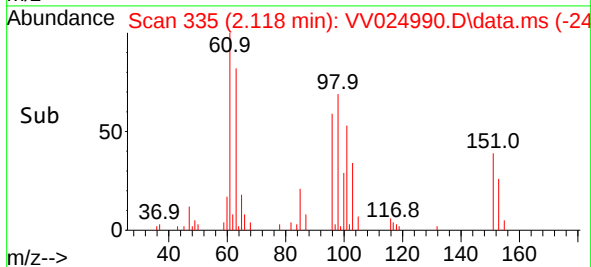
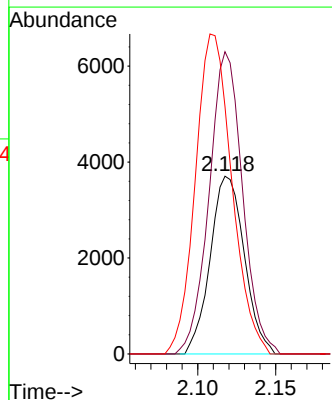
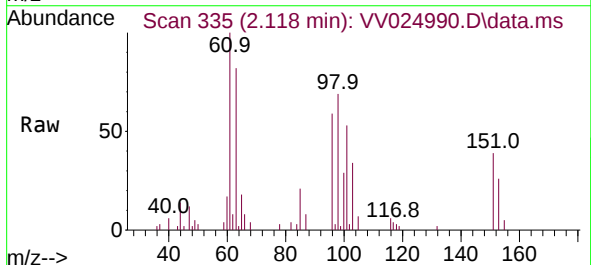
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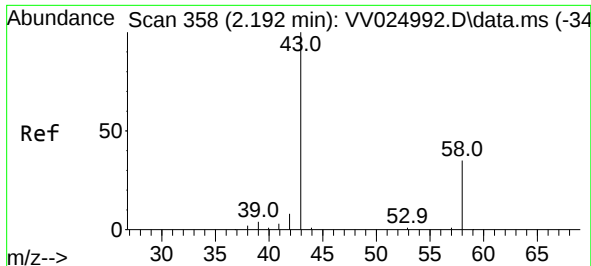
Tgt Ion:101 Resp: 5653
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.8 52.2
 151 70.4 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 0.526 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

Tgt Ion: 96 Resp: 5639
 Ion Ratio Lower Upper
 96 100
 61 170.0 113.0 209.9
 63 139.1 82.1 152.5

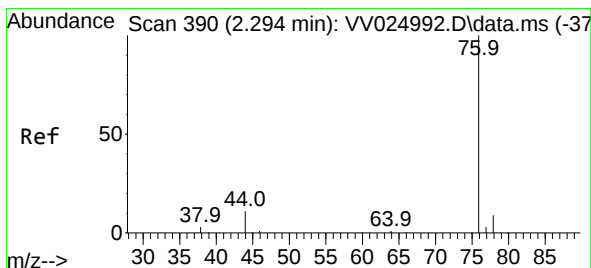
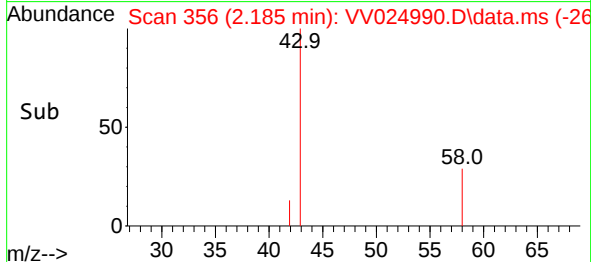
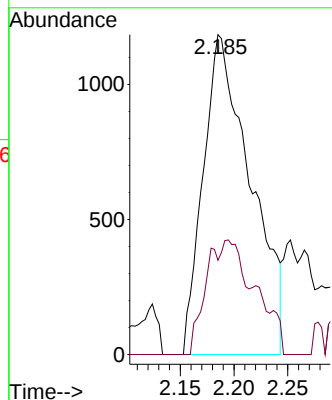
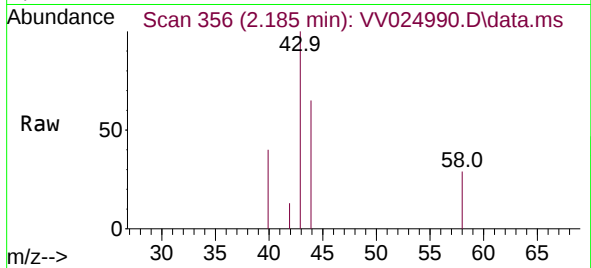




#13
Acetone
Concen: 3.892 ug/L
RT: 2.185 min Scan# 31
Delta R.T. -0.007 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

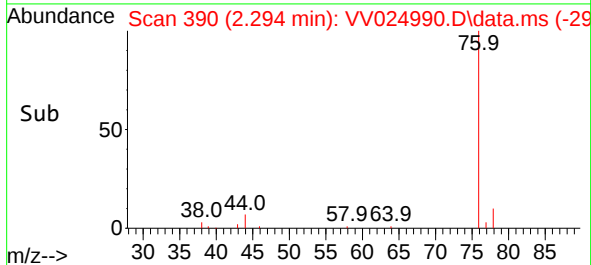
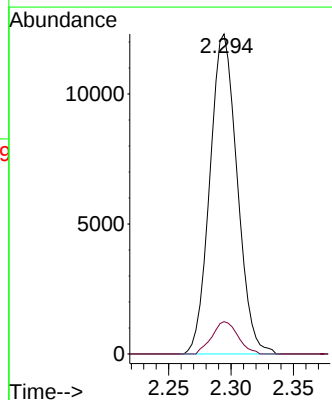
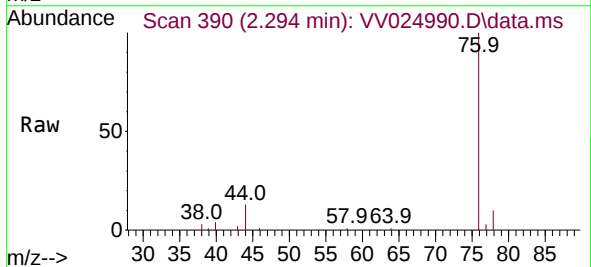
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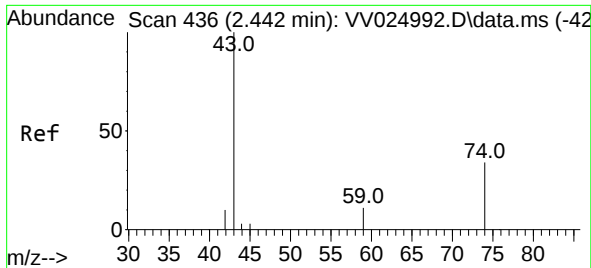
Tgt Ion: 43 Resp: 3632
Ion Ratio Lower Upper
43 100
58 10.9 0.0 54.2



#14
Carbon disulfide
Concen: 0.490 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion: 76 Resp: 18777
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0





#15

Methyl Acetate

Concen: 0.426 ug/L

RT: 2.445 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

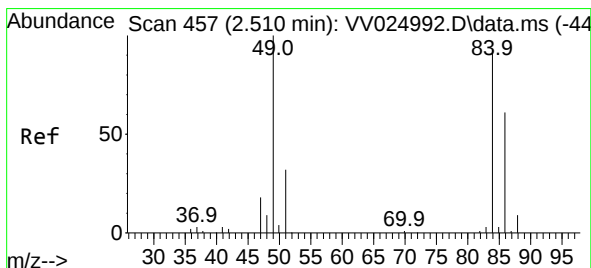
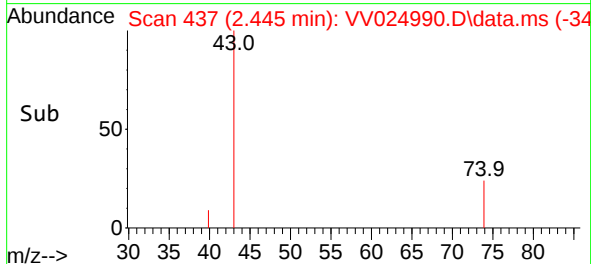
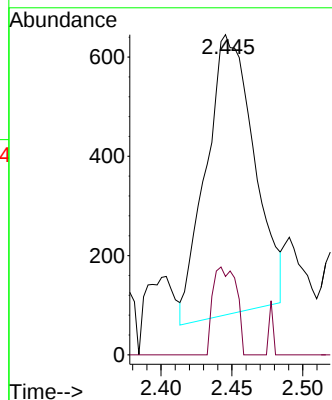
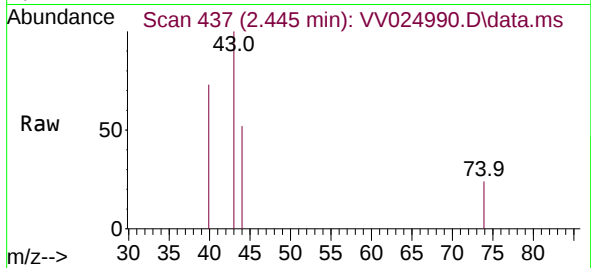
VSTD0.5219

Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

43 100

74 15.4 24.2 36.4#



#16

Methylene chloride

Concen: 0.545 ug/L

RT: 2.507 min Scan# 456

Delta R.T. -0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

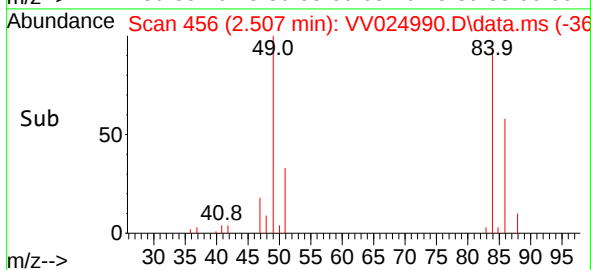
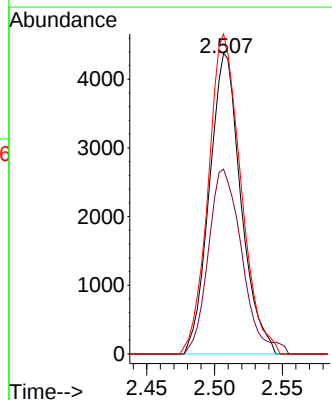
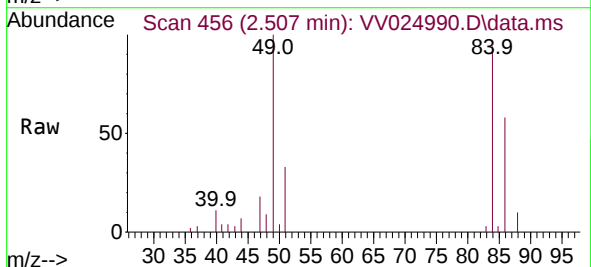
Tgt Ion: 84 Resp: 7073

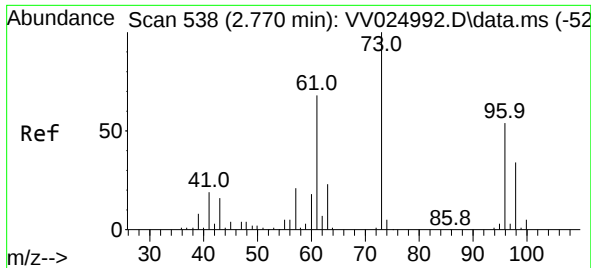
Ion Ratio Lower Upper

84 100

86 61.4 45.5 84.5

49 106.4 75.0 139.2

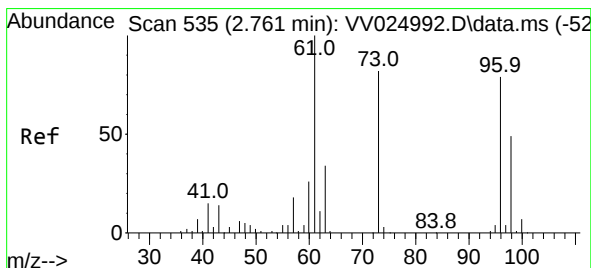
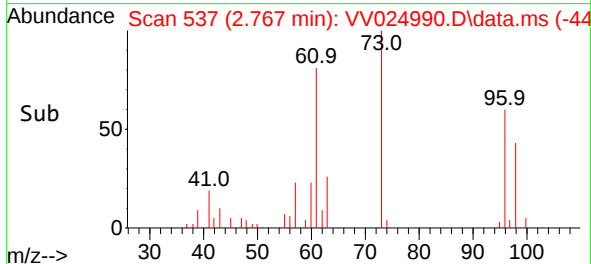
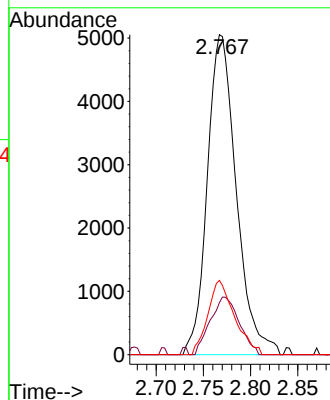
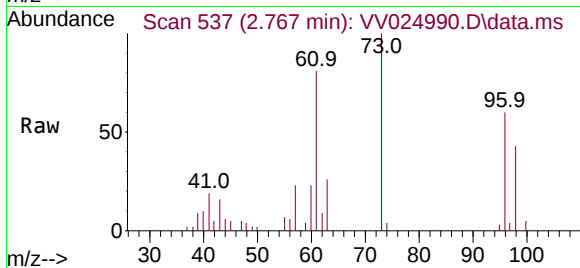




#17
Methyl tert-butyl Ether
Concen: 0.462 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

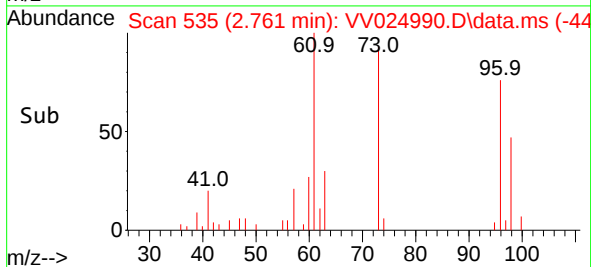
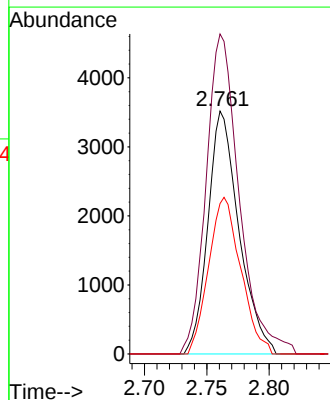
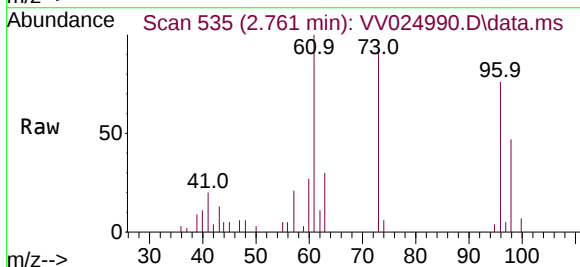
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

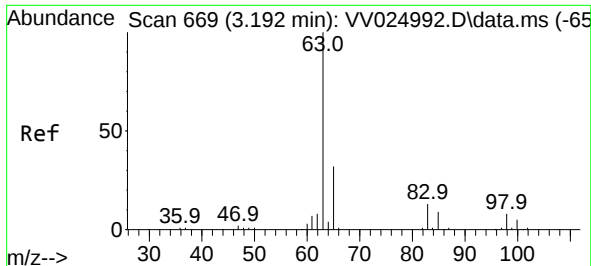
Tgt Ion: 73	Resp: 10784
Ion Ratio	Lower Upper
73 100	
43 18.0	13.2 19.8
57 21.4	16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 0.473 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion: 96	Resp: 6103		
Ion Ratio	Lower	Upper	
96	100		
61	131.7	89.2	165.6
98	61.9	43.9	81.5





#19

1,1-Dichloroethane

Concen: 0.478 ug/L

RT: 3.191 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

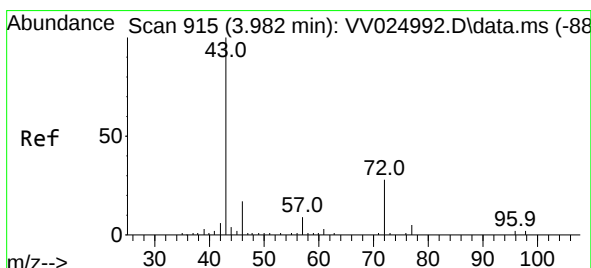
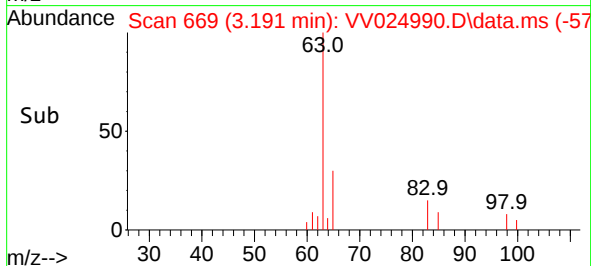
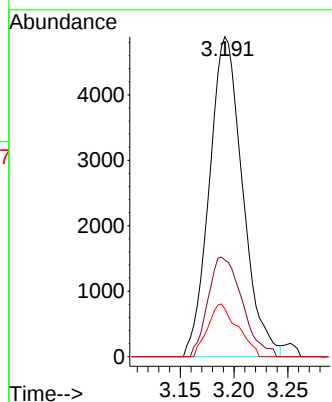
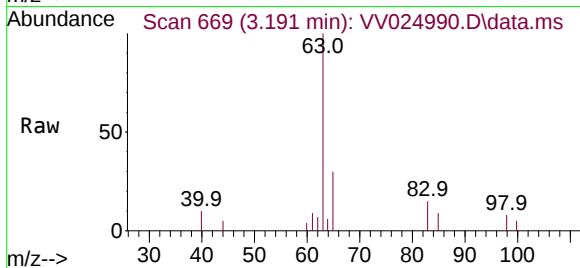
Tgt Ion: 63 Resp: 10502

Ion Ratio Lower Upper

63 100

65 30.2 22.2 41.2

83 15.0 9.4 17.4



#21

2-Butanone

Concen: 1.178 ug/L

RT: 4.018 min Scan# 926

Delta R.T. 0.035 min

Lab File: VV024990.D

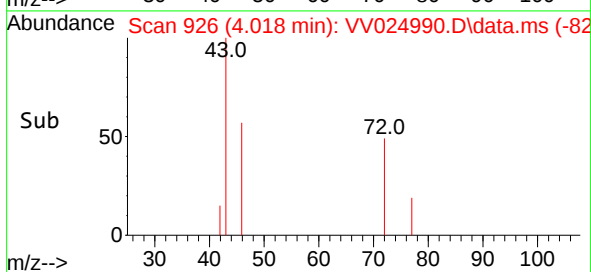
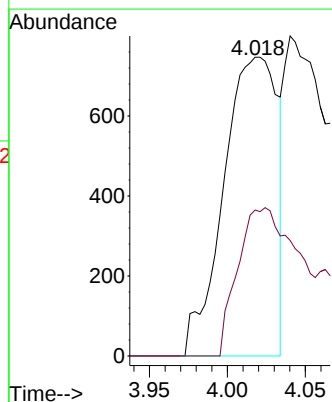
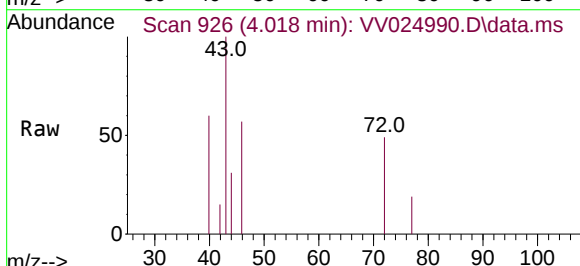
Acq: 15 Mar 2022 11:29

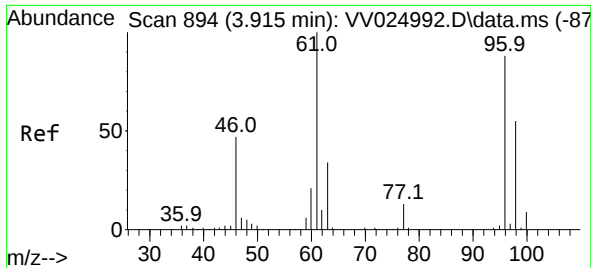
Tgt Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

72 55.9 10.4 31.2#

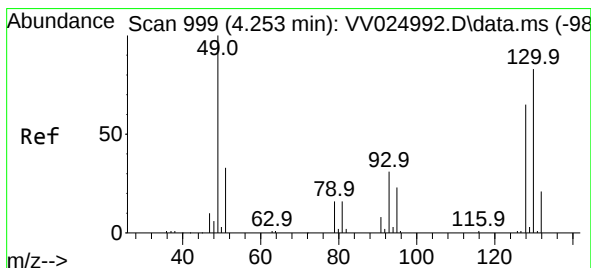
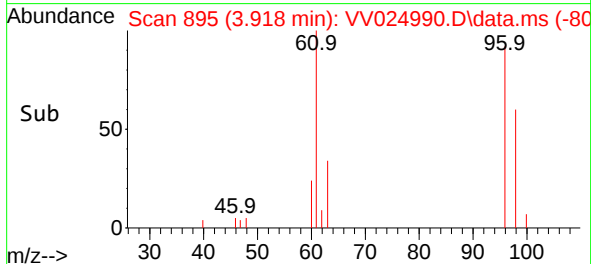
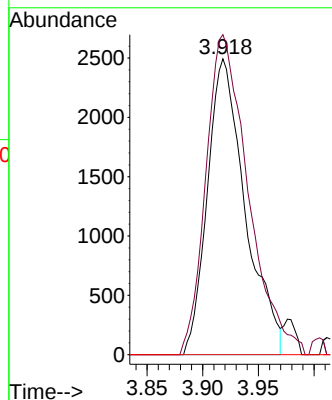
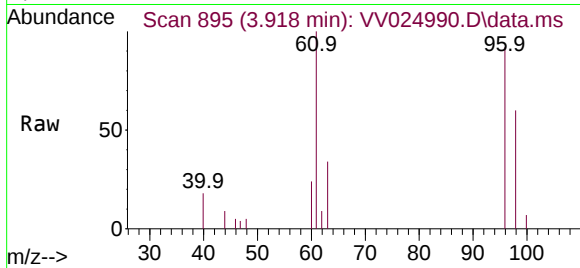




#22
 cis-1,2-Dichloroethene
 Concen: 0.453 ug/L
 RT: 3.918 min Scan# 894
 Delta R.T. 0.003 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

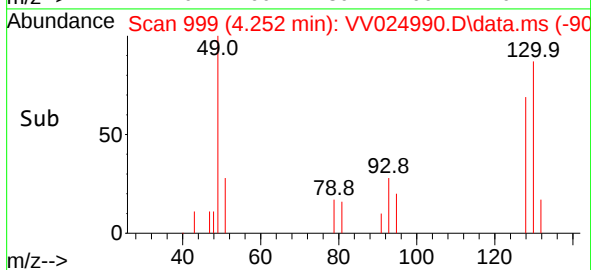
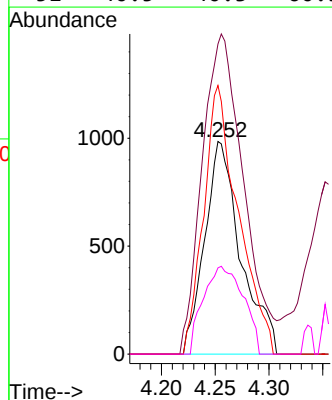
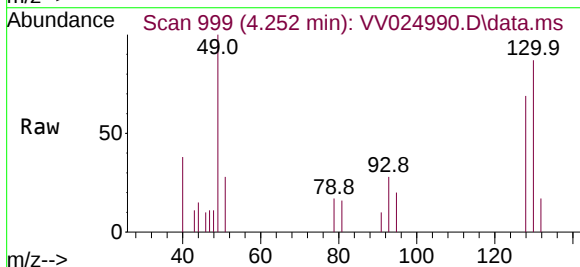
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5219

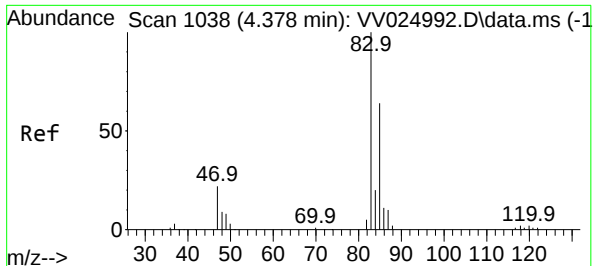
Tgt Ion: 96 Resp: 5899
 Ion Ratio Lower Upper
 96 100
 61 108.1 79.7 147.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.447 ug/L
 RT: 4.252 min Scan# 999
 Delta R.T. -0.000 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

Tgt Ion: 128 Resp: 2294
 Ion Ratio Lower Upper
 128 100
 49 145.8 107.5 199.7
 130 126.3 89.4 166.0
 51 40.5 40.3 60.5





#25

Chloroform

Concen: 0.495 ug/L

RT: 4.375 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

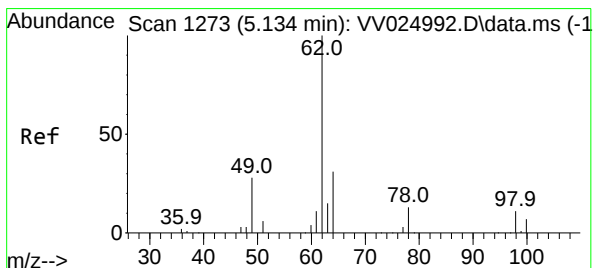
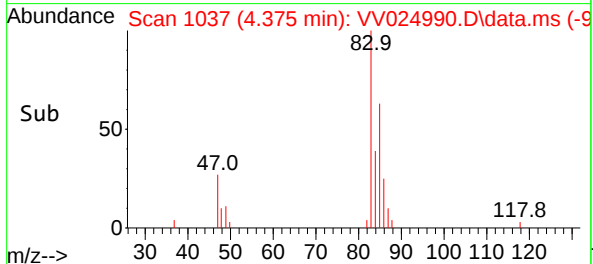
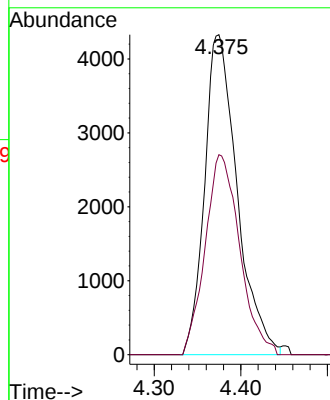
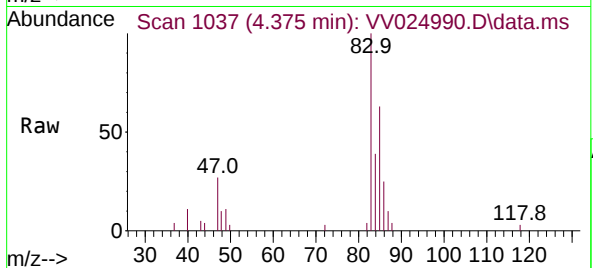
VSTD0.5219

Tgt Ion: 83 Resp: 11315

Ion Ratio Lower Upper

83 100

85 62.5 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.468 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.006 min

Lab File: VV024990.D

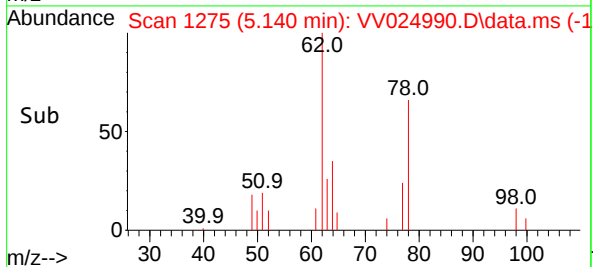
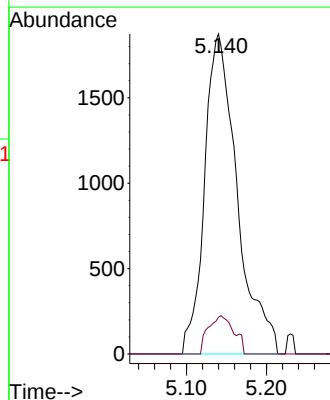
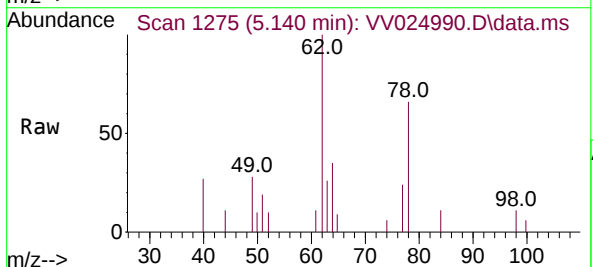
Acq: 15 Mar 2022 11:29

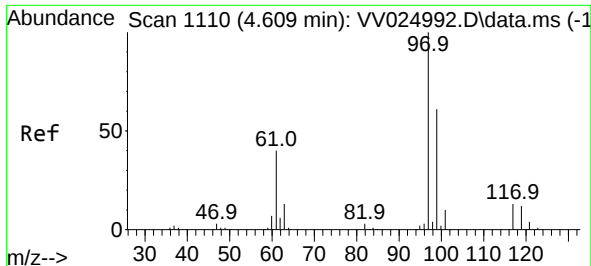
Tgt Ion: 62 Resp: 5319

Ion Ratio Lower Upper

62 100

98 11.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 0.486 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

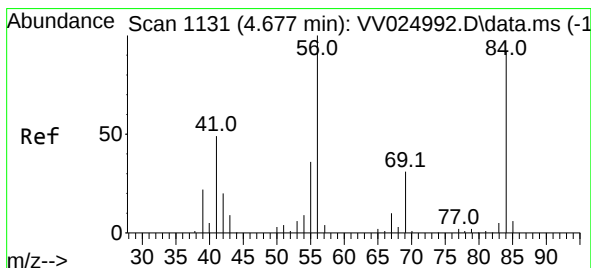
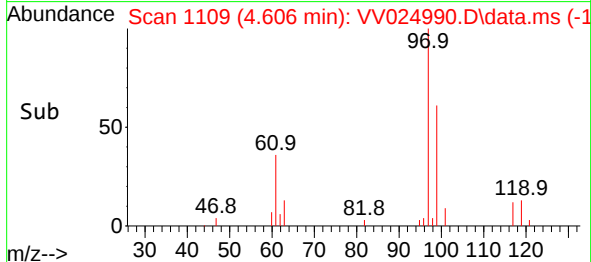
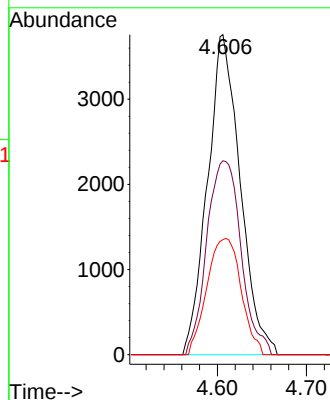
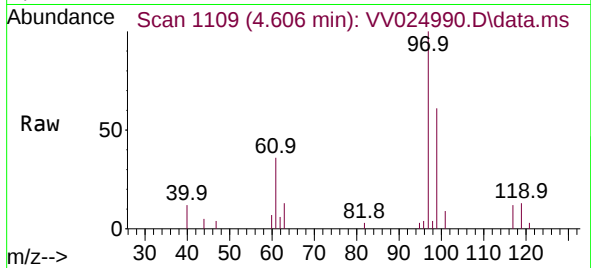
Tgt Ion: 97 Resp: 9581

Ion Ratio Lower Upper

97 100

99 63.5 50.7 76.1

61 37.9 32.4 48.6



#30

Cyclohexane

Concen: 0.486 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

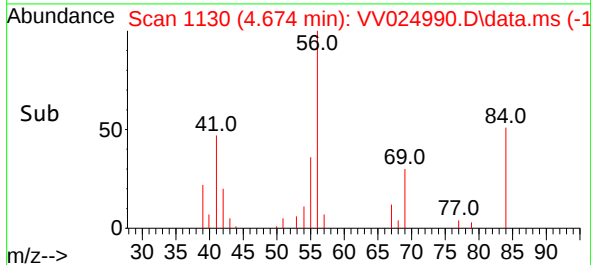
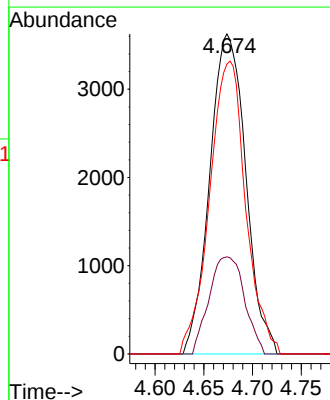
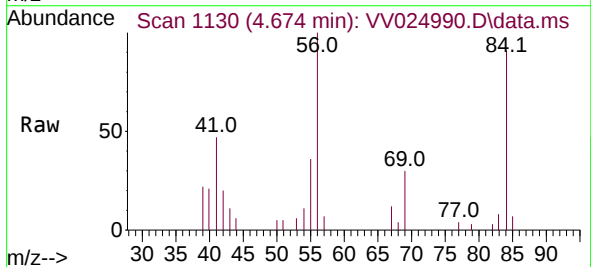
Tgt Ion: 56 Resp: 9308

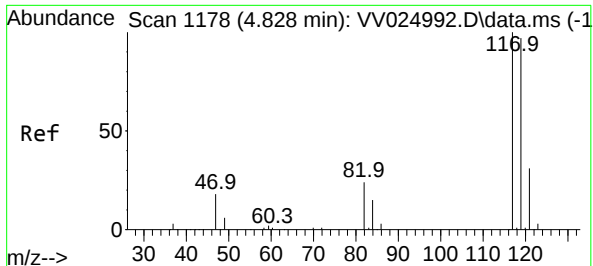
Ion Ratio Lower Upper

56 100

69 29.8 24.9 37.3

84 91.6 75.9 113.9

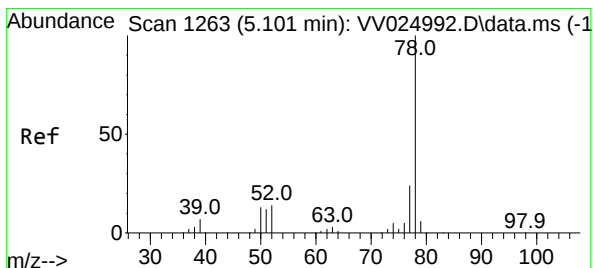
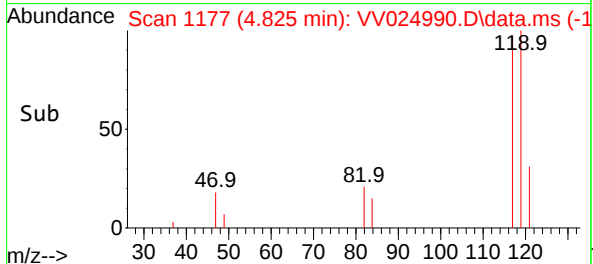
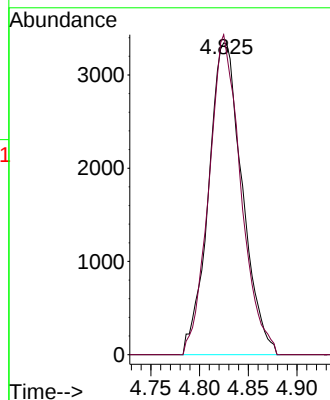
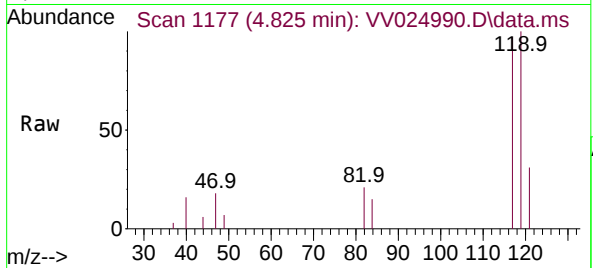




#31
Carbon tetrachloride
Concen: 0.475 ug/L
RT: 4.825 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

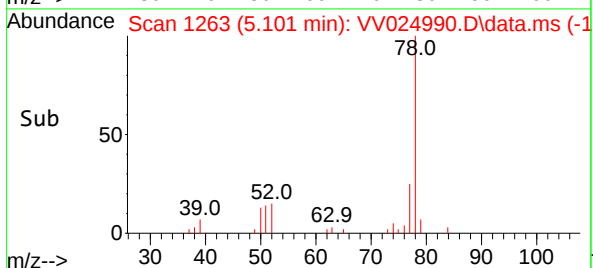
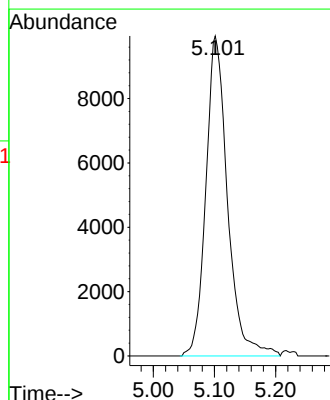
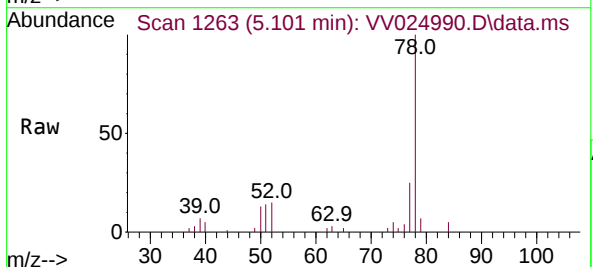
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

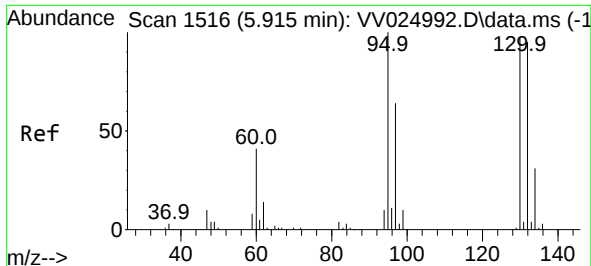
Tgt Ion:117 Resp: 8034
Ion Ratio Lower Upper
117 100
119 97.2 76.8 115.2



#33
Benzene
Concen: 0.487 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion: 78 Resp: 24489





#34

Trichloroethene

Concen: 0.474 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

Tgt Ion: 95 Resp: 6340

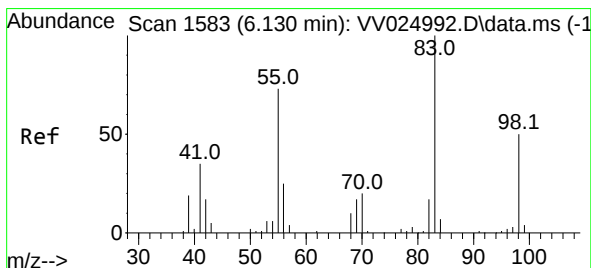
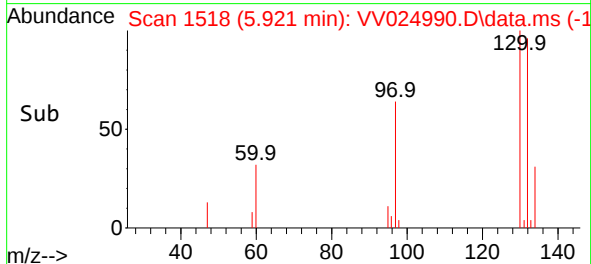
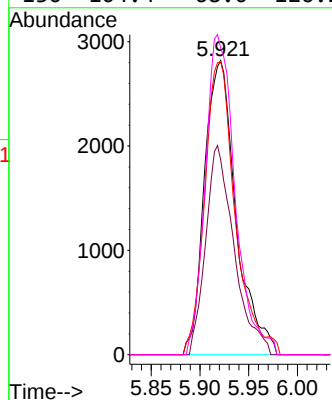
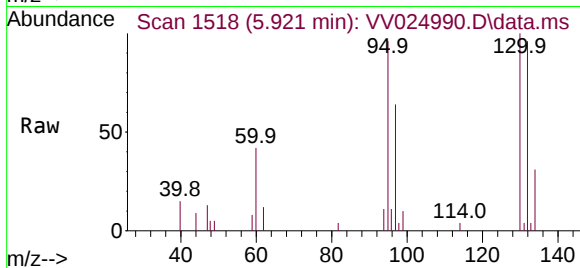
Ion Ratio Lower Upper

95 100

97 66.3 44.5 82.7

132 99.7 66.5 123.5

130 104.4 68.0 126.2



#35

Methylcyclohexane

Concen: 0.476 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

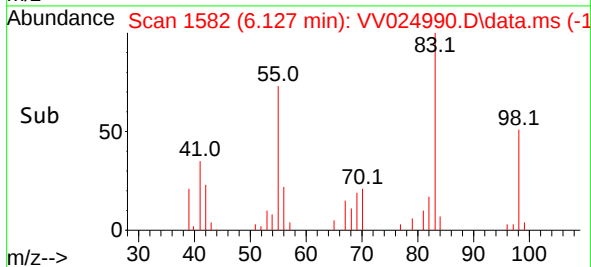
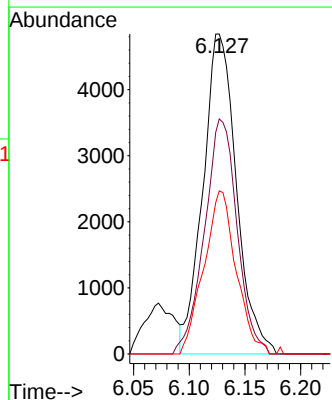
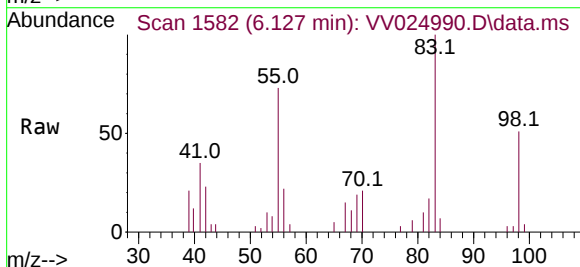
Tgt Ion: 83 Resp: 10088

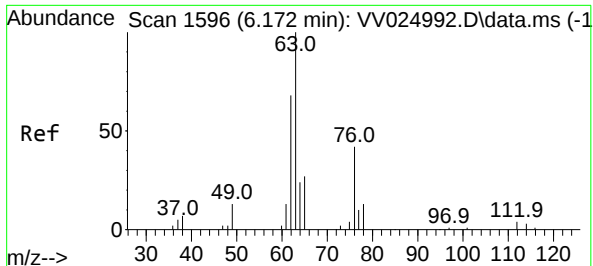
Ion Ratio Lower Upper

83 100

55 71.8 55.4 83.0

98 49.4 38.4 57.6





#37

1,2-Dichloropropane

Concen: 0.487 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

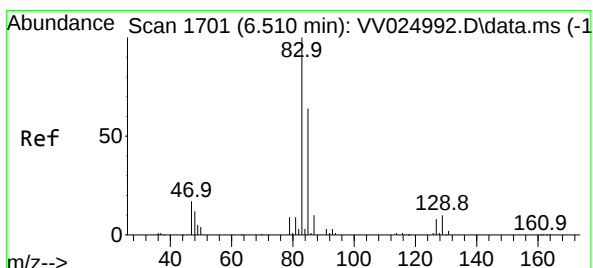
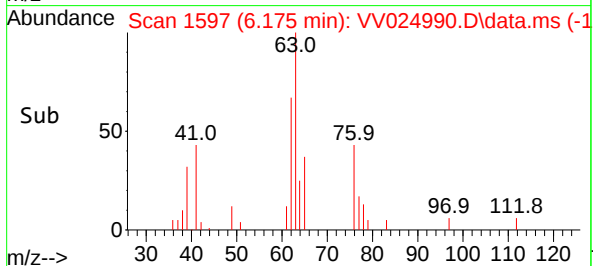
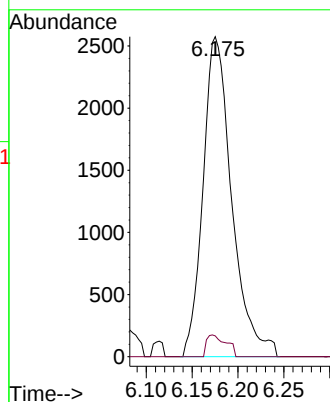
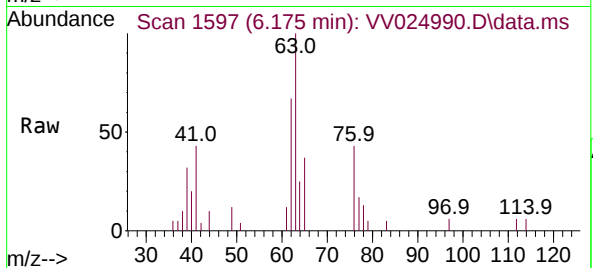
VSTD0.5219

Tgt Ion: 63 Resp: 5620

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 0.472 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

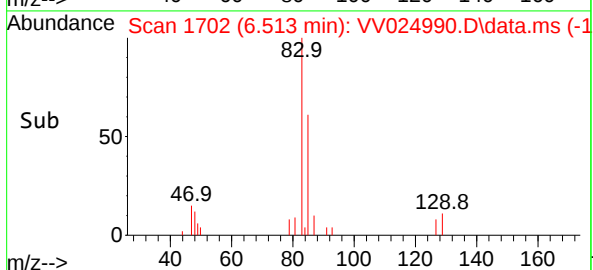
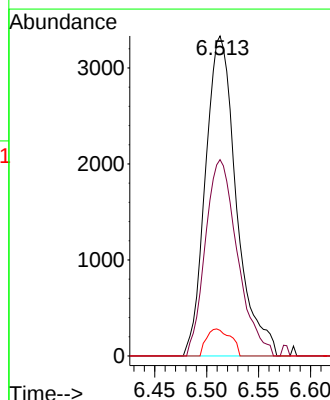
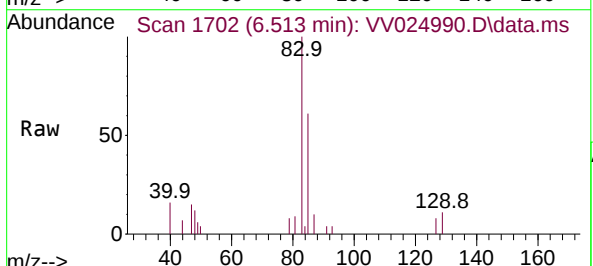
Tgt Ion: 83 Resp: 6894

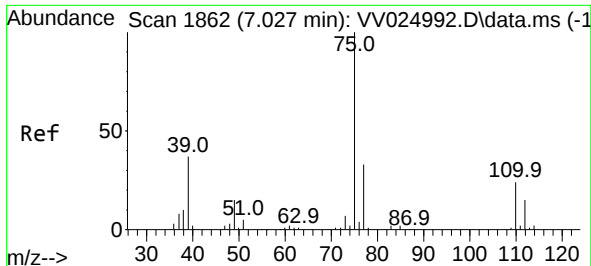
Ion Ratio Lower Upper

83 100

85 61.4 44.8 83.2

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 0.414 ug/L

RT: 7.034 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

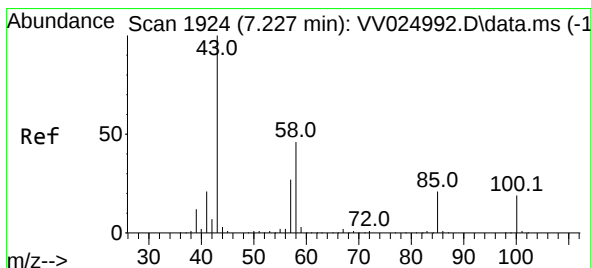
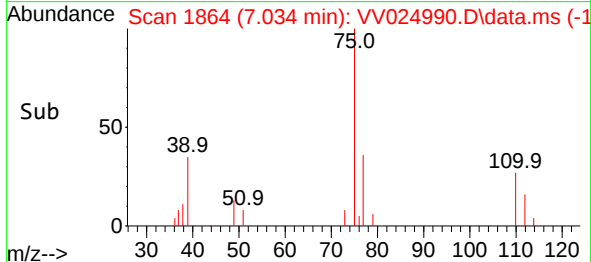
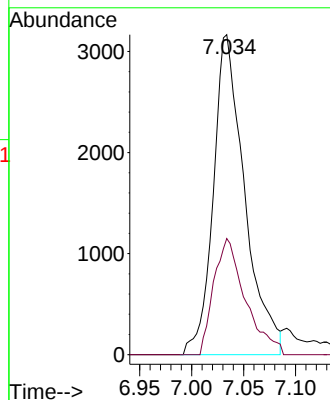
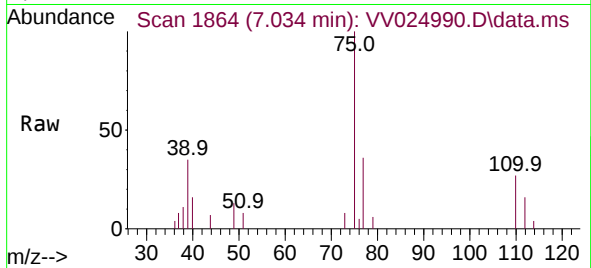
VSTD0.5219

Tgt Ion: 75 Resp: 6642

Ion Ratio Lower Upper

75 100

77 36.3 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 3.758 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

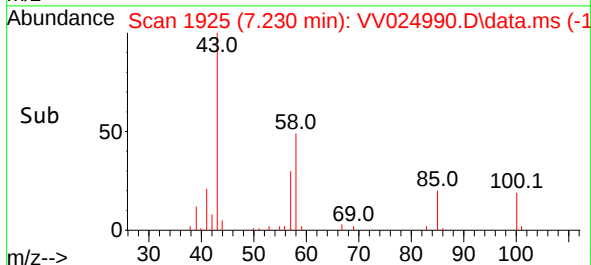
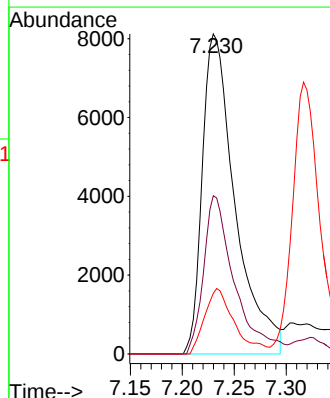
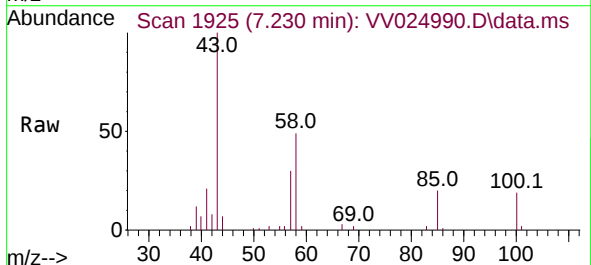
Tgt Ion: 43 Resp: 17859

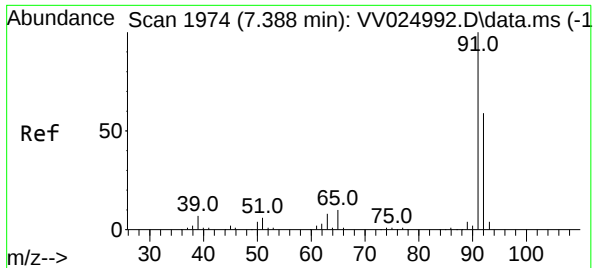
Ion Ratio Lower Upper

43 100

58 46.5 36.6 55.0

100 18.6 13.8 20.8





#42

Toluene

Concen: 0.455 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

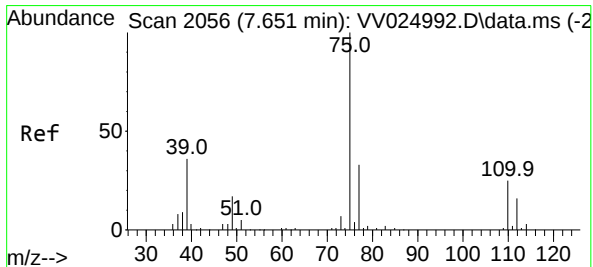
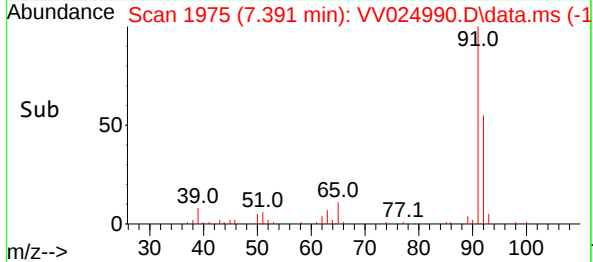
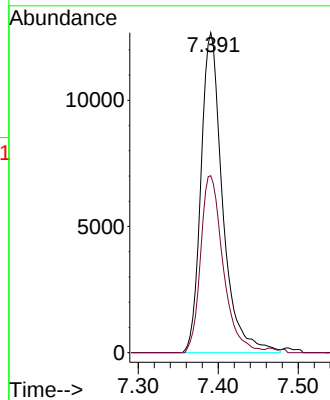
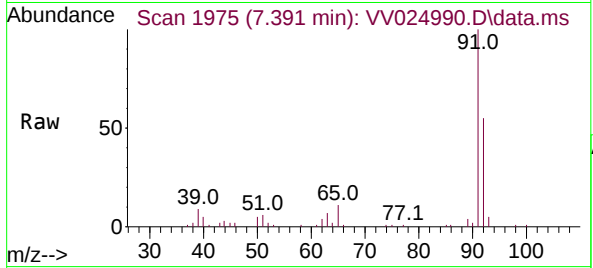
VSTD0.5219

Tgt Ion: 91 Resp: 23934

Ion Ratio Lower Upper

91 100

92 55.3 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 0.416 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VV024990.D

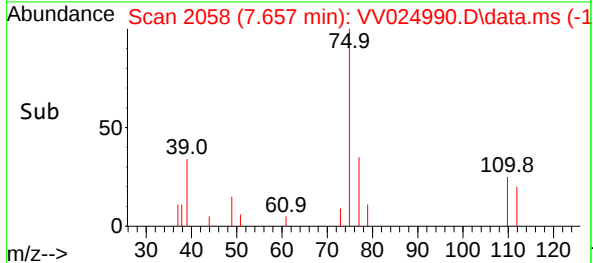
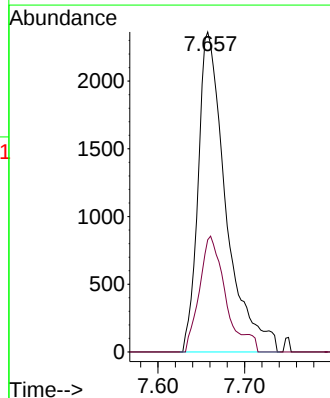
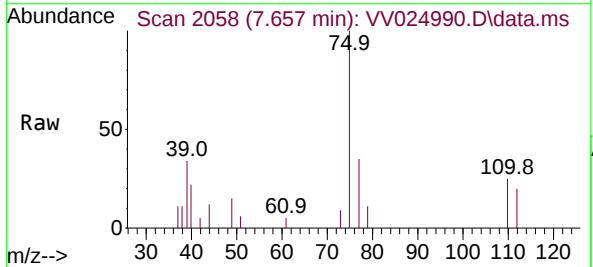
Acq: 15 Mar 2022 11:29

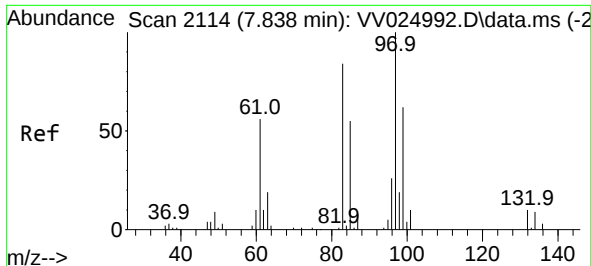
Tgt Ion: 75 Resp: 5253

Ion Ratio Lower Upper

75 100

77 35.0 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 0.484 ug/L

RT: 7.844 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

Tgt Ion: 97 Resp: 3732

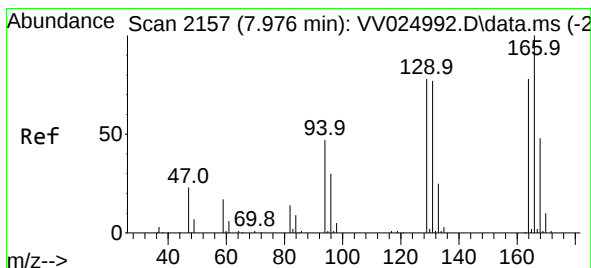
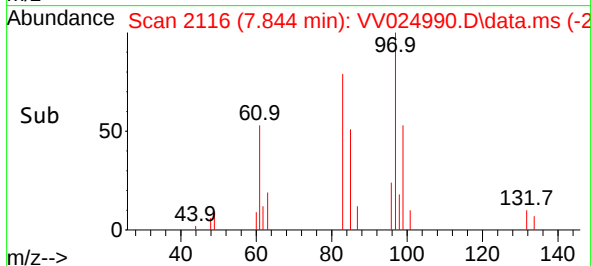
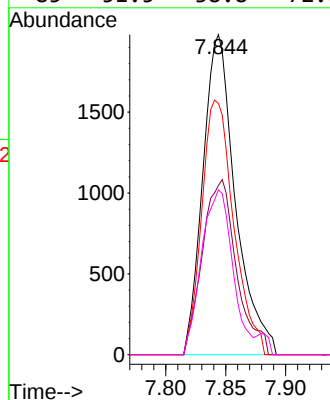
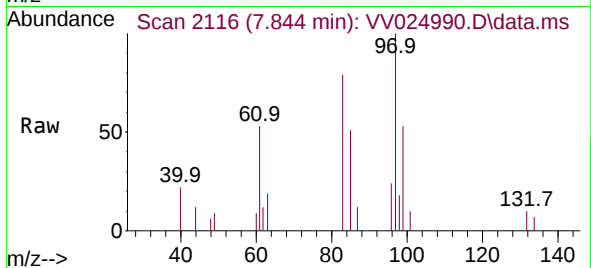
Ion Ratio Lower Upper

97 100

99 52.9 43.7 81.1

83 78.5 58.9 109.3

85 51.5 38.8 72.0



#47

Tetrachloroethene

Concen: 0.502 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Tgt Ion: 164 Resp: 4721

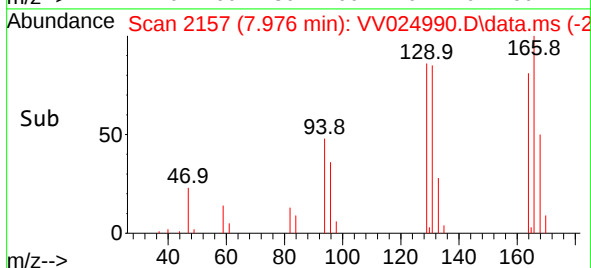
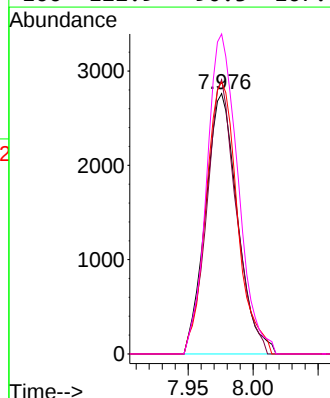
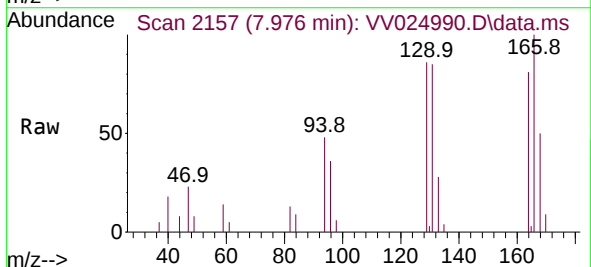
Ion Ratio Lower Upper

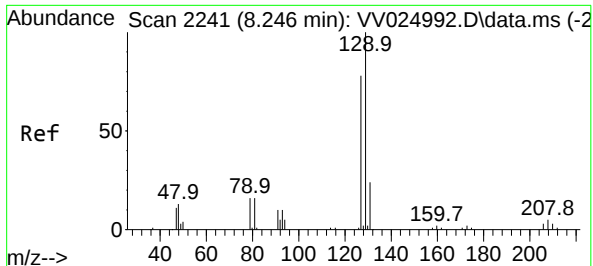
164 100

129 105.3 70.3 130.7

131 104.6 69.4 129.0

166 122.9 90.3 167.7





#49

Dibromochloromethane

Concen: 0.416 ug/L

RT: 8.246 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

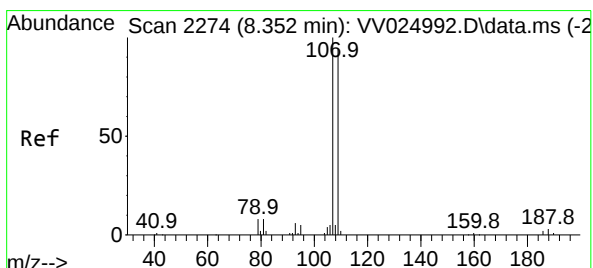
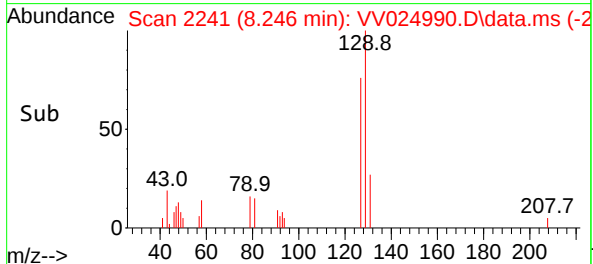
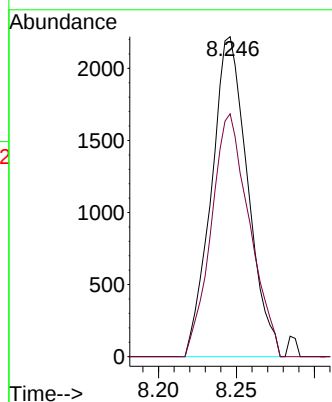
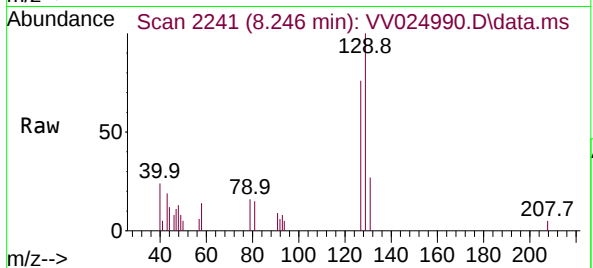
VSTD0.5219

Tgt Ion:129 Resp: 3589

Ion Ratio Lower Upper

129 100

127 75.9 54.9 102.1



#50

1,2-Dibromoethane

Concen: 0.471 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

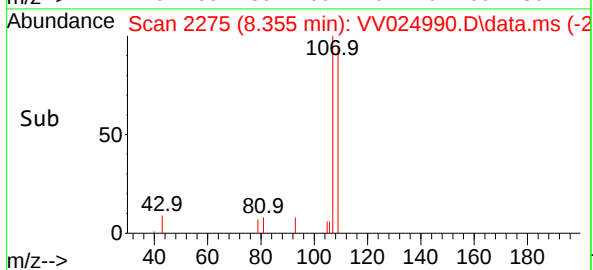
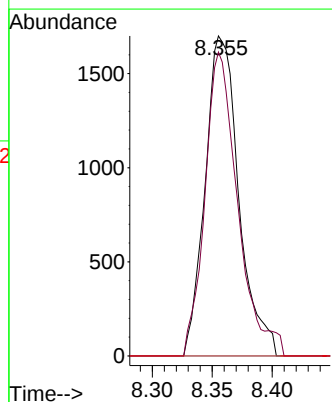
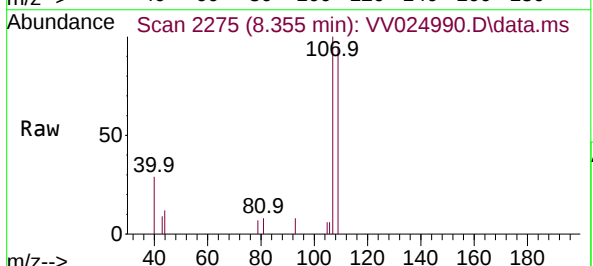
Tgt Ion:107 Resp: 3324

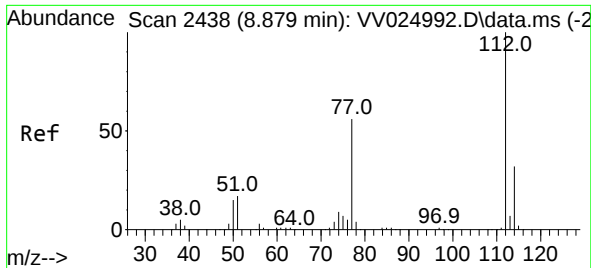
Ion Ratio Lower Upper

107 100

109 94.9 65.5 121.6

188 0.0 2.4 3.6#

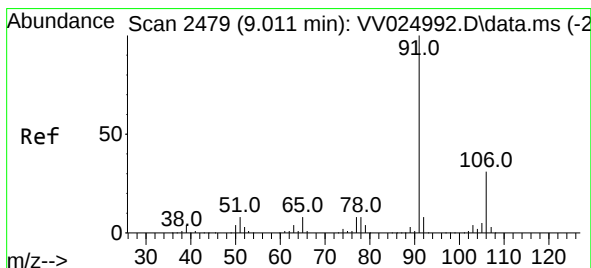
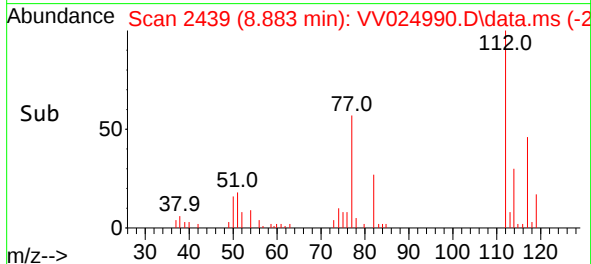
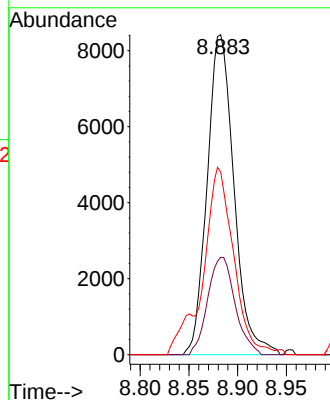
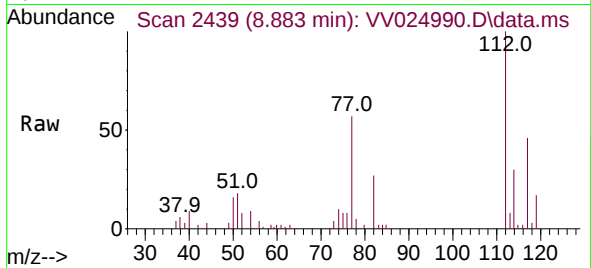




#51
Chlorobenzene
Concen: 0.490 ug/L
RT: 8.883 min Scan# 2438
Delta R.T. 0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

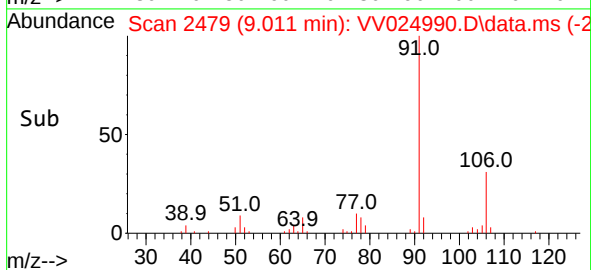
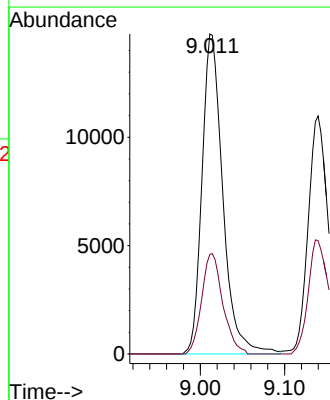
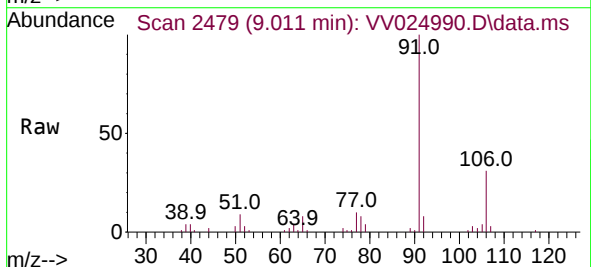
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

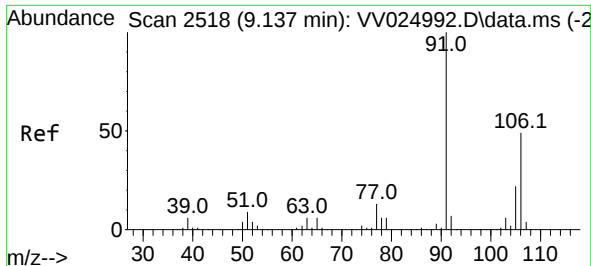
Tgt Ion:112 Resp: 16143
Ion Ratio Lower Upper
112 100
114 30.4 22.5 41.7
77 57.1 45.3 67.9



#52
Ethylbenzene
Concen: 0.457 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion: 91 Resp: 25449
Ion Ratio Lower Upper
91 100
106 31.1 21.9 40.7

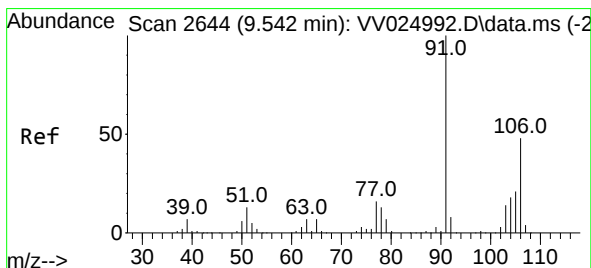
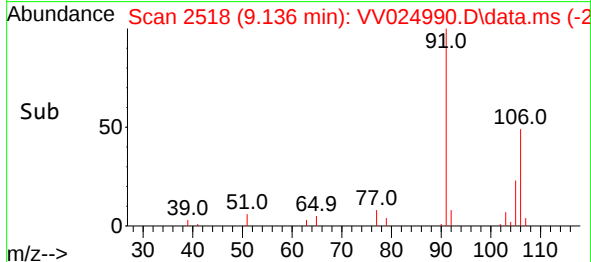
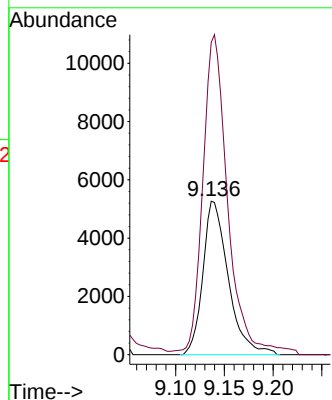
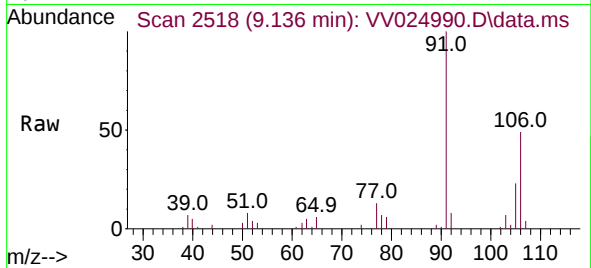




#53
m,p-xylene
Concen: 0.446 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

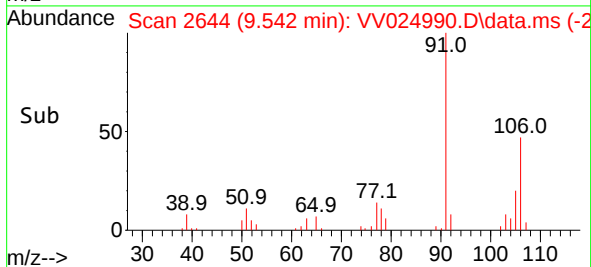
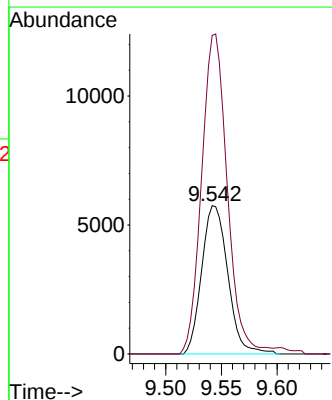
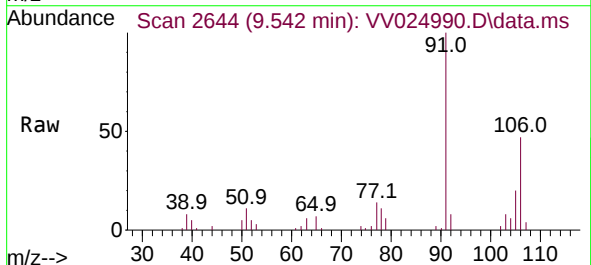
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

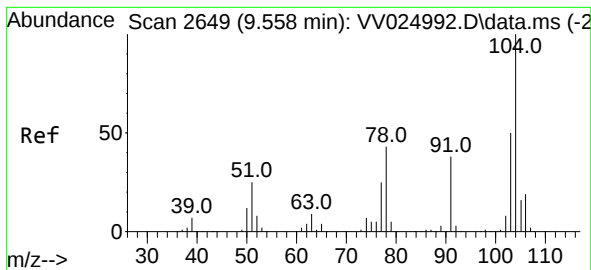
Tgt Ion:106 Resp: 9552
Ion Ratio Lower Upper
106 100
91 203.6 143.4 266.4



#54
o-xylene
Concen: 0.458 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion:106 Resp: 9388
Ion Ratio Lower Upper
106 100
91 214.9 146.7 272.5





#55

Styrene

Concen: 0.422 ug/L

RT: 9.564 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

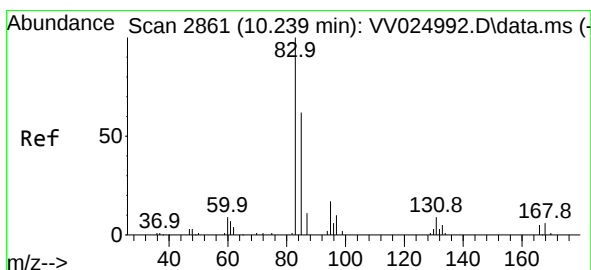
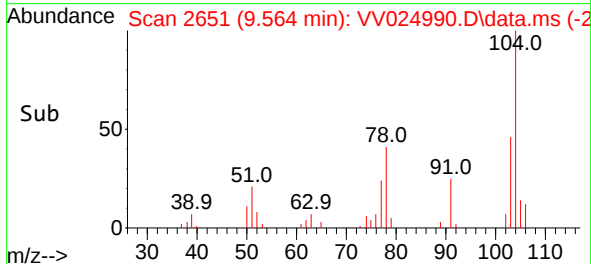
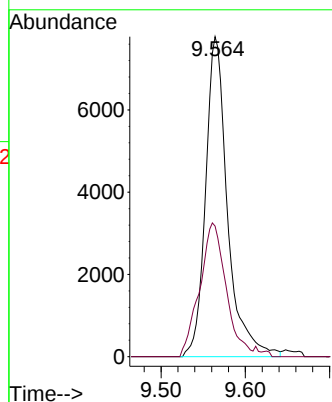
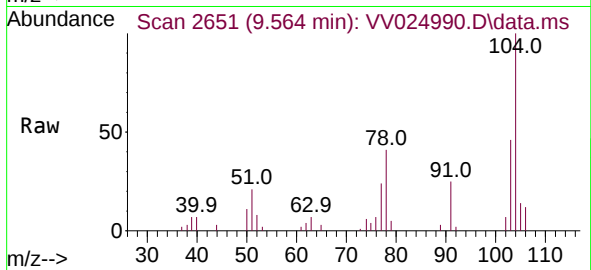
VSTD0.5219

Tgt Ion:104 Resp: 14083

Ion Ratio Lower Upper

104 100

78 40.8 30.2 56.2



#57

1,1,2,2-Tetrachloroethane

Concen: 0.439 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

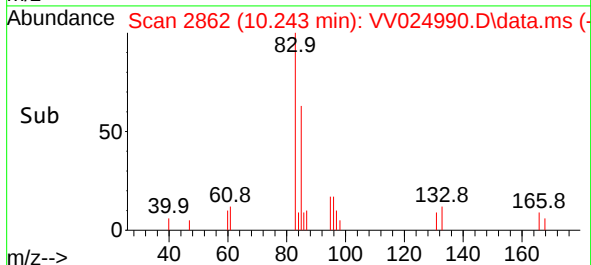
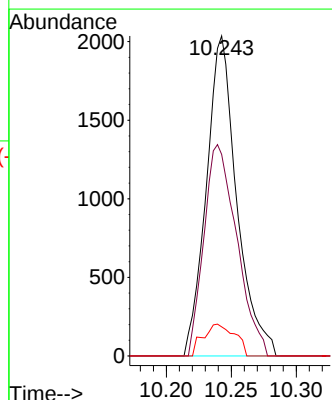
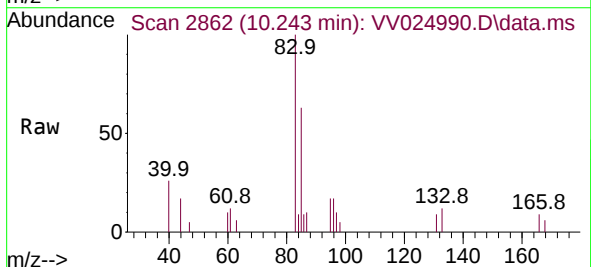
Tgt Ion: 83 Resp: 3316

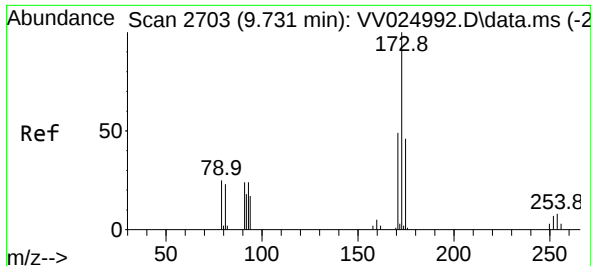
Ion Ratio Lower Upper

83 100

85 63.0 43.9 81.5

131 9.1 7.5 11.3

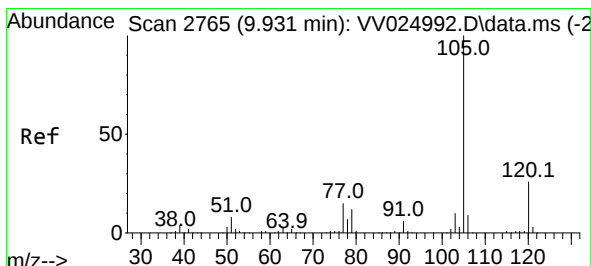
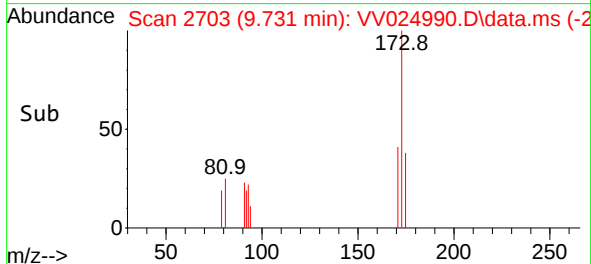
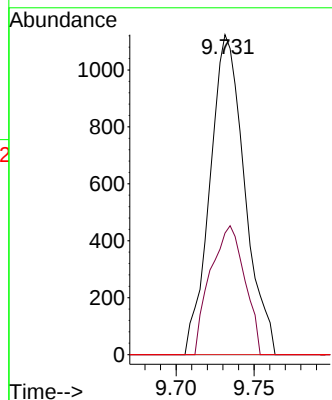
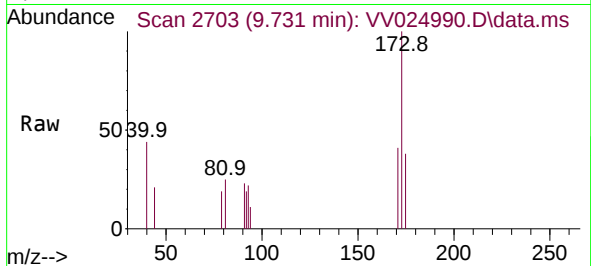




#59
Bromoform
Concen: 0.472 ug/L
RT: 9.731 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

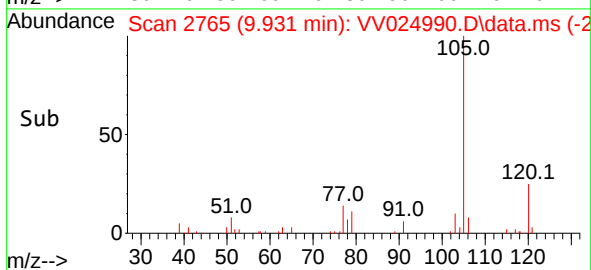
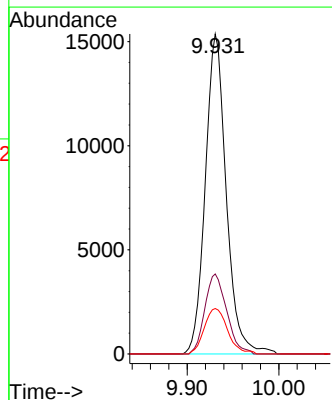
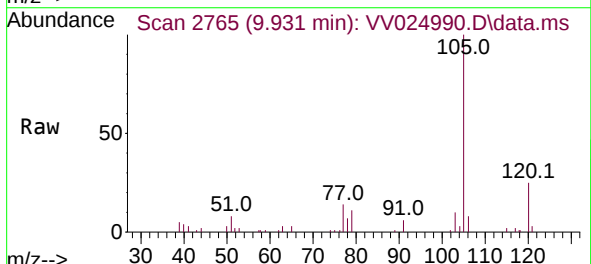
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

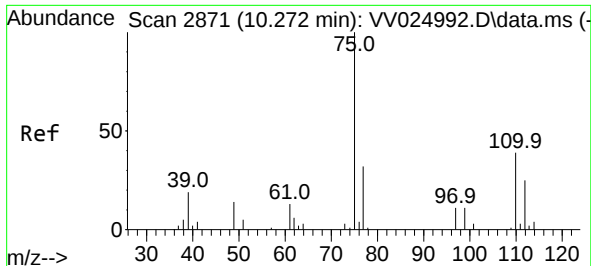
Tgt Ion:173 Resp: 1736
Ion Ratio Lower Upper
173 100
175 39.9 37.8 56.8
254 0.0 5.8 8.6#



#60
Isopropylbenzene
Concen: 0.474 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion:105 Resp: 24388
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 15.8 12.2 18.2





#61

1,2,3-Trichloropropane

Concen: 0.531 ug/L

RT: 10.278 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

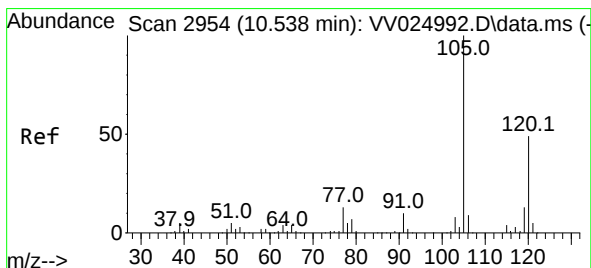
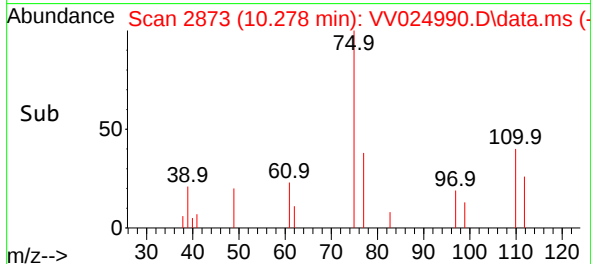
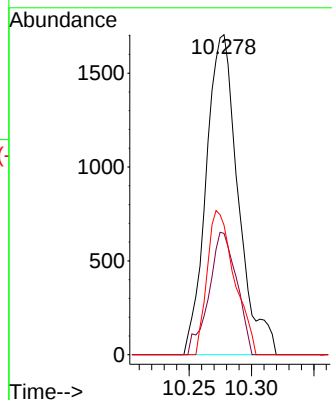
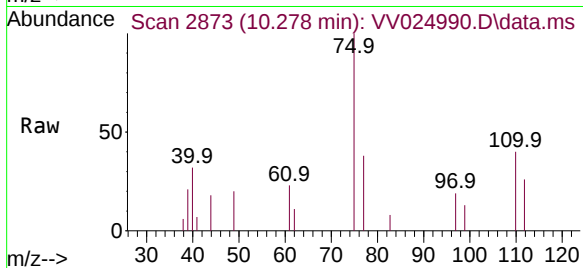
Tgt Ion: 75 Resp: 3047

Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5

110 38.3 31.2 46.8



#62

1,3,5-Trimethylbenzene

Concen: 0.456 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV024990.D

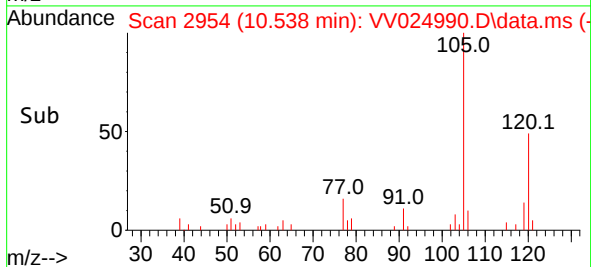
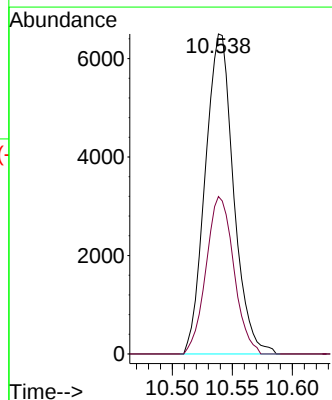
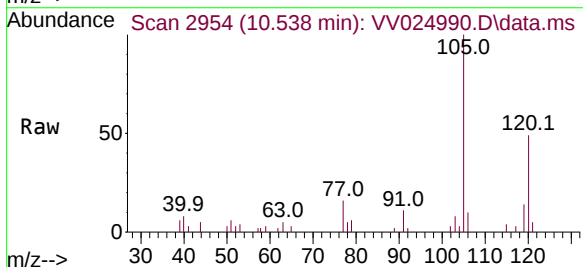
Acq: 15 Mar 2022 11:29

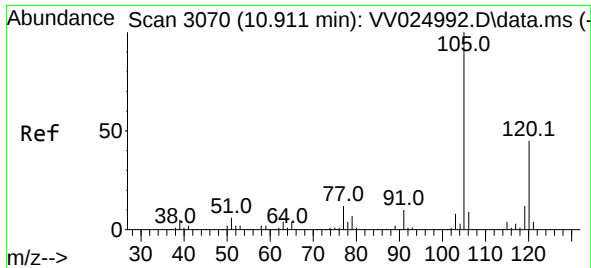
Tgt Ion: 105 Resp: 10654

Ion Ratio Lower Upper

105 100

120 48.2 38.5 57.7

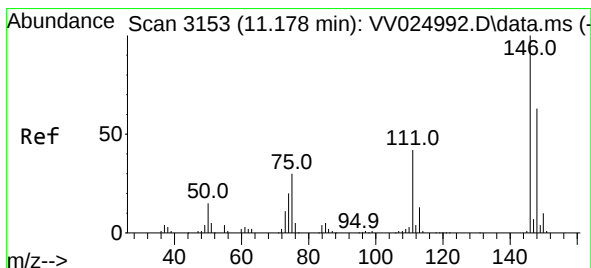
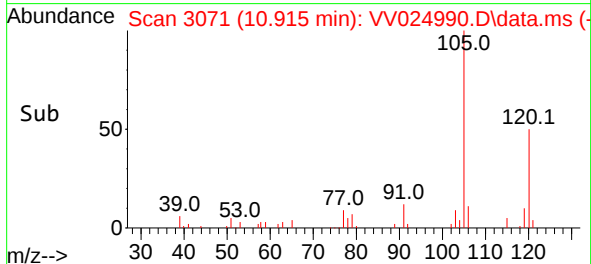
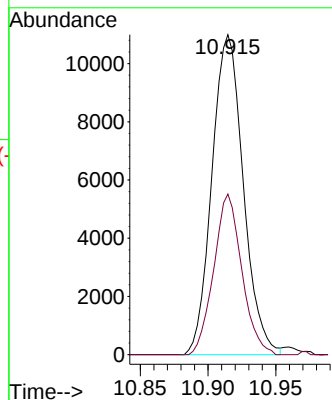
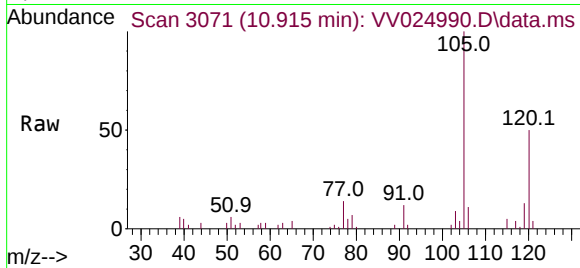




#63
1,2,4-Trimethylbenzene
Concen: 0.428 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

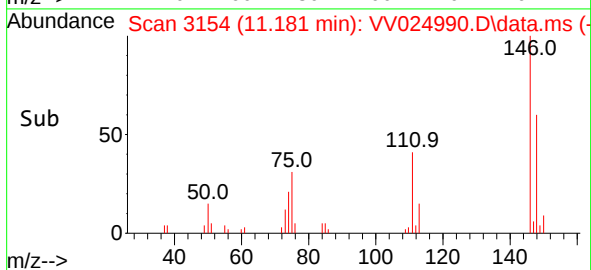
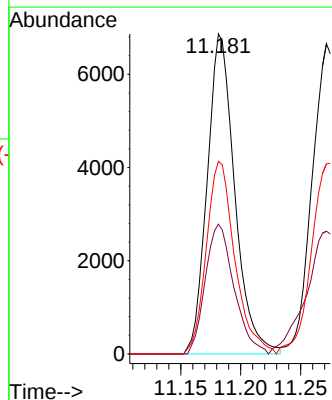
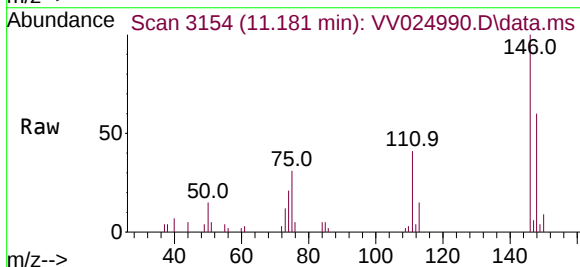
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

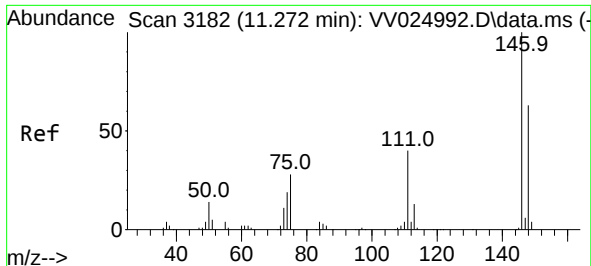
Tgt Ion:105 Resp: 17681
Ion Ratio Lower Upper
105 100
120 44.9 35.8 53.8



#64
1,3-Dichlorobenzene
Concen: 0.492 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion:146 Resp: 10980
Ion Ratio Lower Upper
146 100
111 40.6 29.2 54.2
148 60.2 43.8 81.4

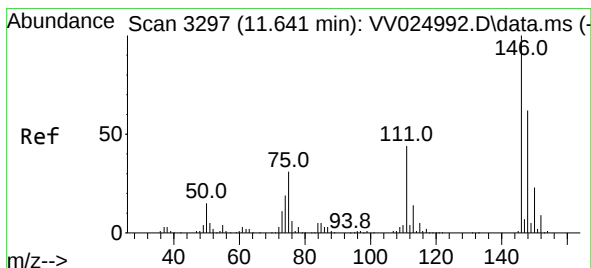
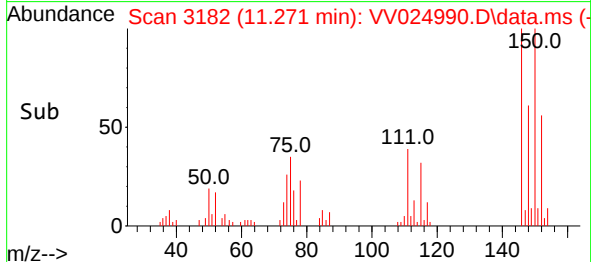
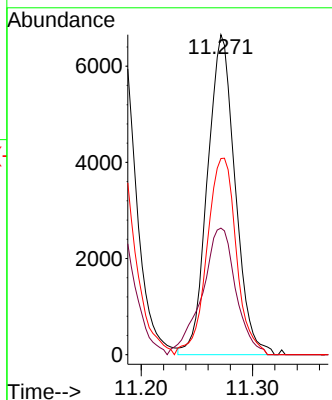
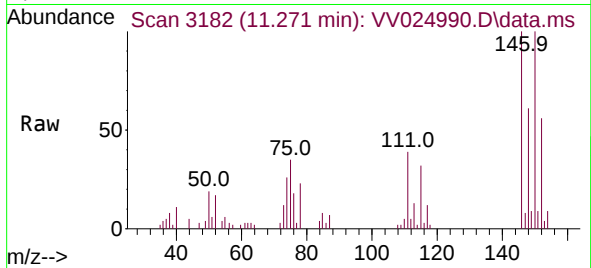




#65
1,4-Dichlorobenzene
Concen: 0.511 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

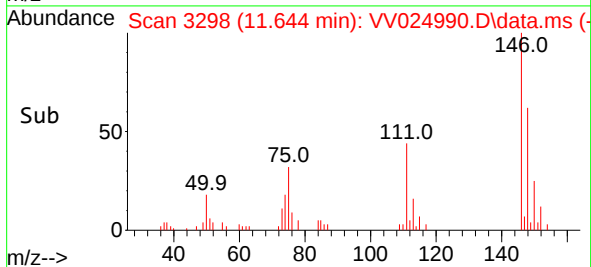
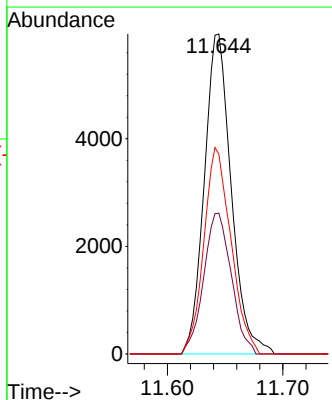
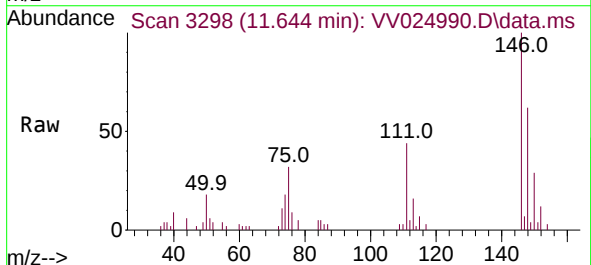
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

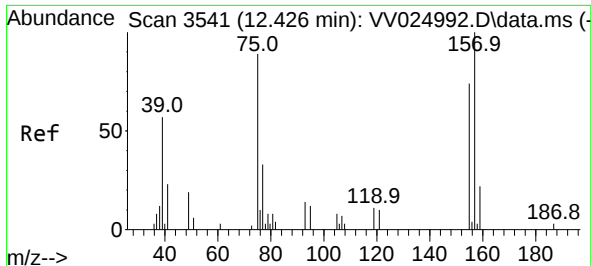
Tgt Ion:	146	Resp:	11489
Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.2	52.4
148	61.3	43.8	81.4



#67
1,2-Dichlorobenzene
Concen: 0.488 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

Tgt Ion:	146	Resp:	9650
Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.5	53.3
148	62.4	49.7	74.5





#68

1,2-Dibromo-3-chloropropane

Concen: 0.433 ug/L

RT: 12.432 min Scan# 3543

Delta R.T. 0.006 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5219

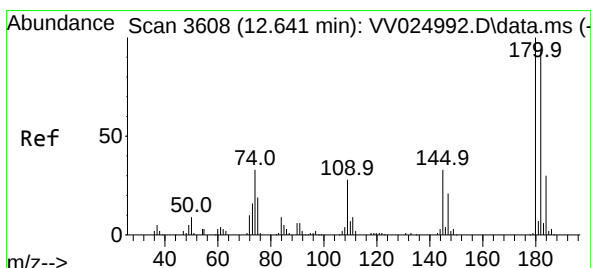
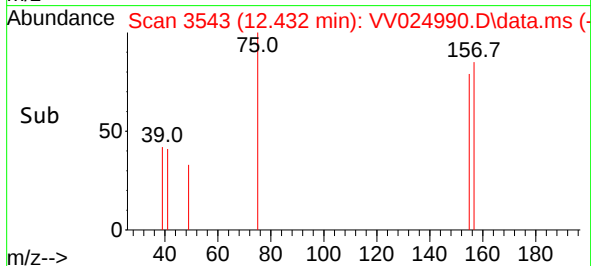
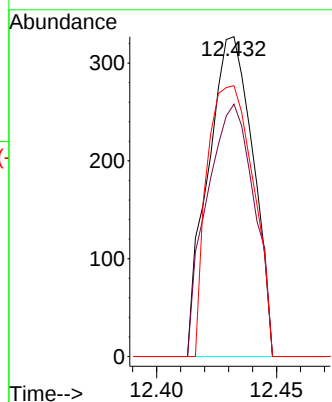
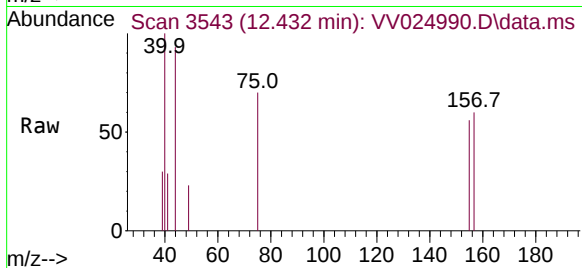
Tgt Ion: 75 Resp: 426

Ion Ratio Lower Upper

75 100

155 78.9 65.9 98.9

157 84.7 89.7 134.5#



#69

1,3,5-Trichlorobenzene

Concen: 0.490 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV024990.D

Acq: 15 Mar 2022 11:29

Tgt Ion: 180 Resp: 7733

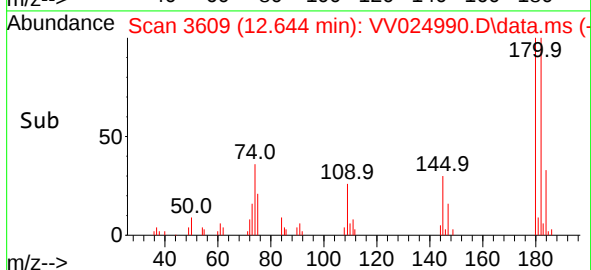
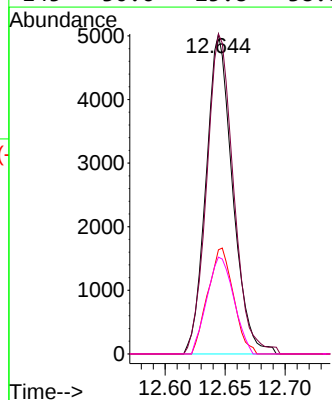
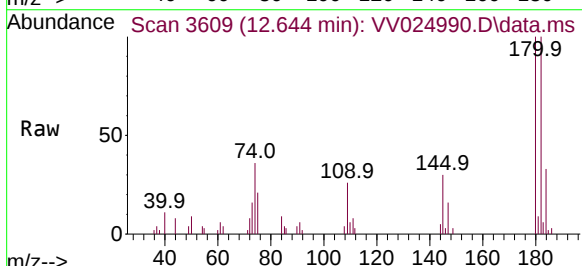
Ion Ratio Lower Upper

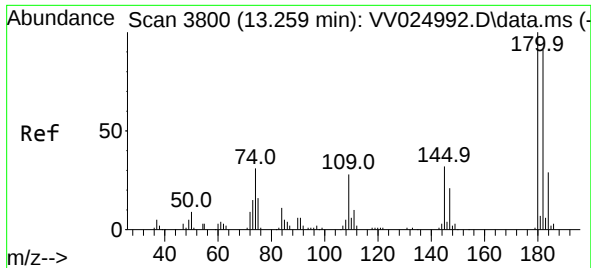
180 100

182 101.1 75.4 113.0

184 31.9 24.2 36.4

145 30.6 25.8 38.8

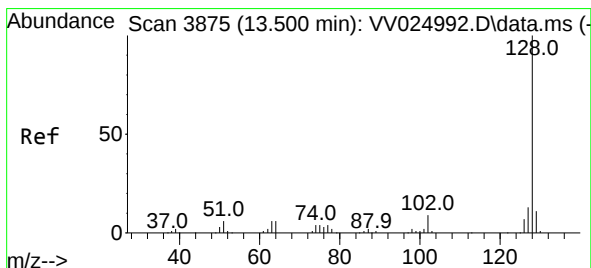
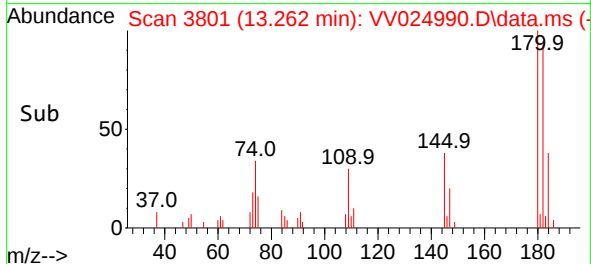
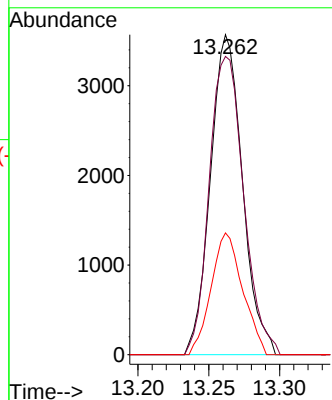
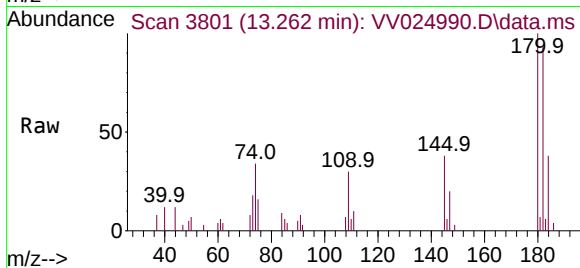




#70
1,2,4-trichlorobenzene
Concen: 0.457 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.003 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

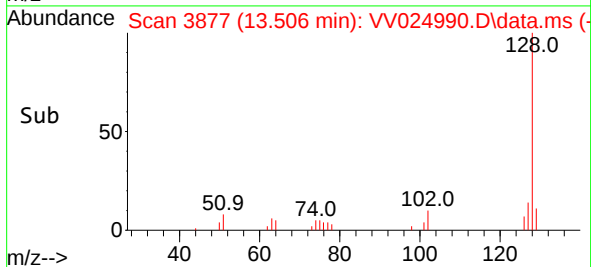
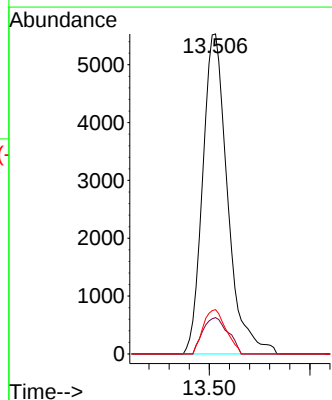
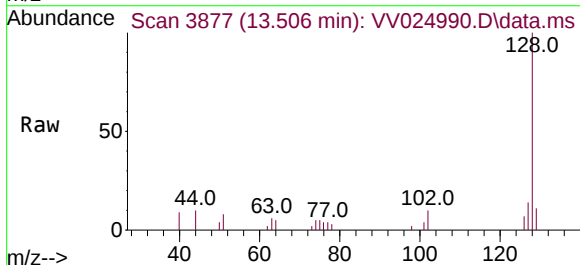
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5219

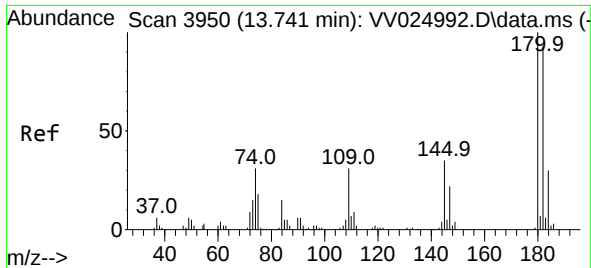
Tgt Ion:180 Resp: 5617
Ion Ratio Lower Upper
180 100
182 100.1 74.6 112.0
145 37.4 26.1 39.1



#71
Naphthalene
Concen: 0.467 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV024990.D
Acq: 15 Mar 2022 11:29

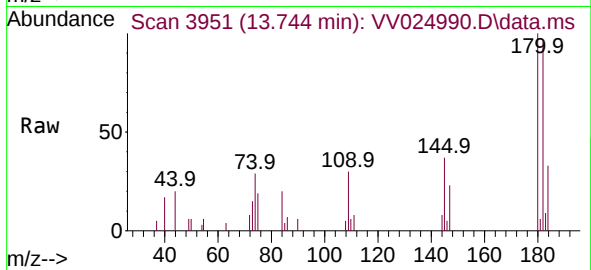
Tgt Ion:128 Resp: 9522
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 12.7 9.8 14.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.468 ug/L
 RT: 13.744 min Scan# 3950
 Delta R.T. 0.003 min
 Lab File: VV024990.D
 Acq: 15 Mar 2022 11:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5219



Tgt Ion:	180	Resp:	4875
Ion	Ratio	Lower	Upper
180	100		
182	93.8	74.8	112.2
145	36.2	27.6	41.4

