

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041922\
 Data File : VW025622.D
 Acq On : 19 Apr 2022 09:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

Quant Time: Apr 20 02:41:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 19 05:06:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	202022	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	208484	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	113205	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	75718	4.031	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.571	69	71208	3.564	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.111	63	164330	4.368	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	3.889	46	102650	44.930	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.860%
24) Chloroform-d	4.346	84	126103	4.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.030	65	56757	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	5.047	84	247168	4.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.066	67	71314	4.239	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.800%
41) Toluene-d8	7.310	98	235559	4.208	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.619	79	23867	4.221	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.085	63	80394	40.510	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.020%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43065	4.052	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	75600	3.983	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	85140	4.665	ug/L	99
3) Chloromethane	1.243	50	101951	5.141	ug/L	99
5) Vinyl chloride	1.314	62	112917	5.039	ug/L	100
6) Bromomethane	1.526	94	66364	4.107	ug/L	99
8) Chloroethane	1.587	64	77035	4.454	ug/L	99
9) Trichlorofluoromethane	1.754	101	166675	5.296	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	91717	5.187	ug/L	98
12) 1,1-Dichloroethene	2.121	96	84451	4.820	ug/L	84
13) Acetone	2.185	43	84549	54.523	ug/L	97
14) Carbon disulfide	2.297	76	185153	4.414	ug/L	100
15) Methyl Acetate	2.439	43	18247	5.294	ug/L	97
16) Methylene chloride	2.506	84	72030	4.240	ug/L	95
17) Methyl tert-butyl Ether	2.770	73	129565	4.779	ug/L	98
18) trans-1,2-Dichloroethene	2.760	96	70046	4.771	ug/L	98
19) 1,1-Dichloroethane	3.188	63	131537	5.289	ug/L	98
21) 2-Butanone	3.973	43	119224	55.641	ug/L	96
22) cis-1,2-Dichloroethene	3.908	96	74789	4.838	ug/L	94
23) Bromochloromethane	4.246	128	31928	4.975	ug/L	93
25) Chloroform	4.371	83	144309	5.497	ug/L	94

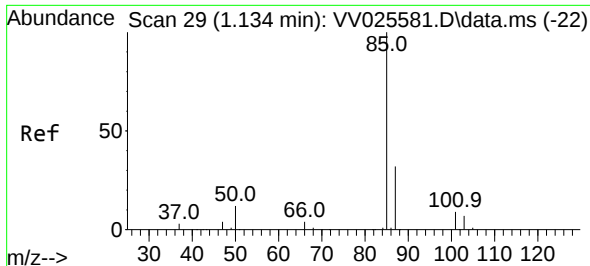
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 Data File : VW025622.D
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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Apr 20 02:41:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 19 05:06:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	74473	5.377	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	125085	5.087	ug/L	98
30) Cyclohexane	4.674	56	98307	4.397	ug/L	97
31) Carbon tetrachloride	4.825	117	104170	5.009	ug/L	98
33) Benzene	5.095	78	301959	4.903	ug/L	100
34) Trichloroethene	5.911	95	78170	4.780	ug/L	97
35) Methylcyclohexane	6.127	83	118505	4.542	ug/L	97
37) 1,2-Dichloropropane	6.169	63	73036	5.126	ug/L	100
38) Bromodichloromethane	6.506	83	92856	5.250	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	93446	5.005	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	311340	54.576	ug/L	97
42) Toluene	7.384	91	330979	4.941	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	76681	5.286	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	47752	5.005	ug/L	98
47) Tetrachloroethene	7.972	164	59375	4.638	ug/L	98
48) 2-Hexanone	8.136	43	224501	56.470	ug/L	96
49) Dibromochloromethane	8.243	129	55430	5.292	ug/L	98
50) 1,2-Dibromoethane	8.349	107	42485	4.741	ug/L	98
51) Chlorobenzene	8.879	112	205368	4.801	ug/L	99
52) Ethylbenzene	9.008	91	337935	4.730	ug/L	98
53) m,p-Xylene	9.136	106	135798	4.999	ug/L	100
54) o-Xylene	9.542	106	125631	4.761	ug/L	100
55) Styrene	9.558	104	224271	5.227	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.236	83	46516	4.879	ug/L	99
59) Bromoform	9.728	173	24277	5.195	ug/L	97
60) Isopropylbenzene	9.927	105	339388	4.843	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	38364	5.145	ug/L	95
62) 1,3,5-Trimethylbenzene	10.535	105	144665	4.630	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	277311	4.926	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	156861	4.796	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	158175	4.764	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	139823	4.827	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	6230	4.833	ug/L	98
69) 1,3,5-Trichlorobenzene	12.641	180	113649	4.567	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	83054	4.329	ug/L	100
71) Naphthalene	13.500	128	116048	4.123	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	71854	4.523	ug/L	97

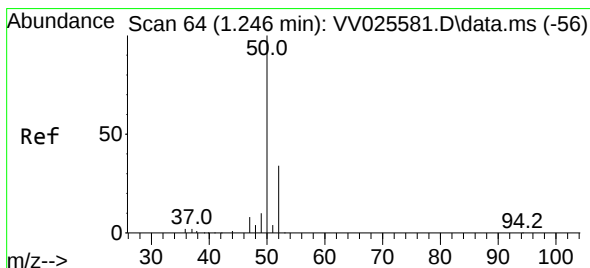
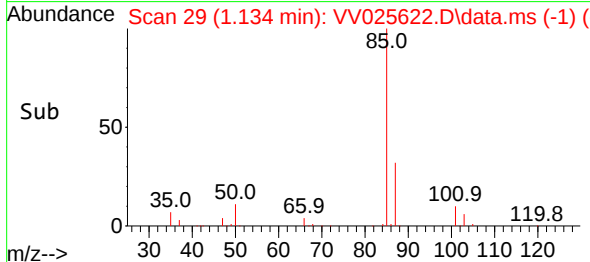
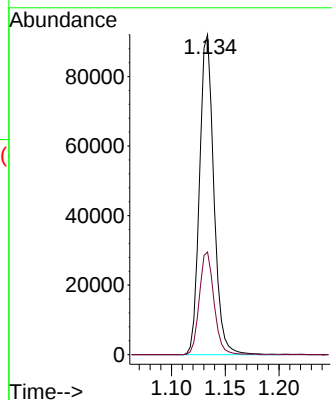
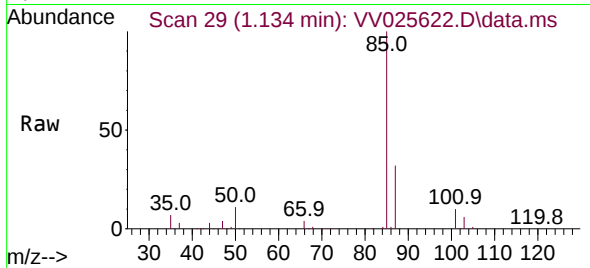
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#2
 Dichlorodifluoromethane
 Concen: 4.665 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

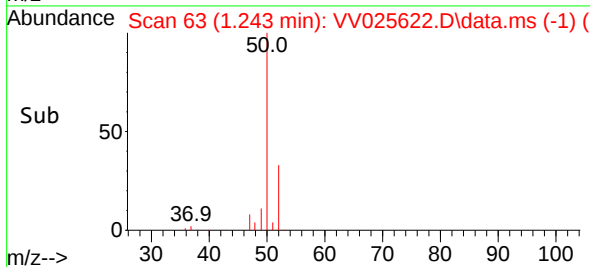
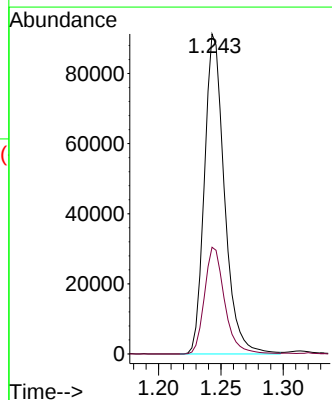
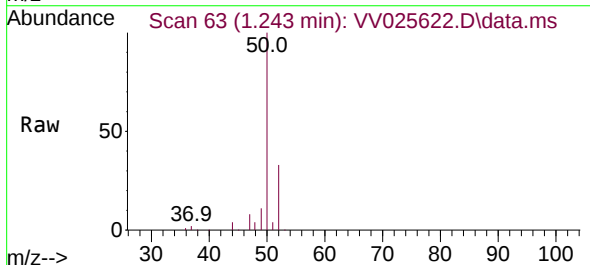
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 ClientSampleId :
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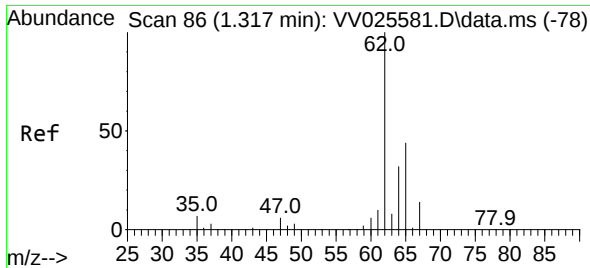
Tgt Ion: 85 Resp: 85140
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.6 38.4



#3
 Chloromethane
 Concen: 5.141 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.003 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

Tgt Ion: 50 Resp: 101951
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.7 43.9

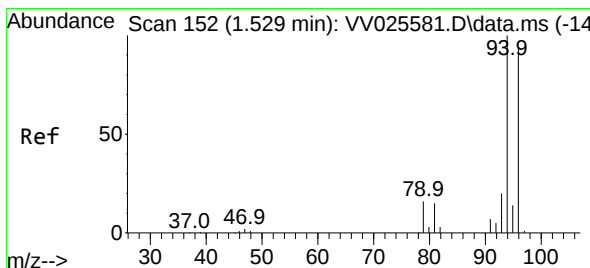
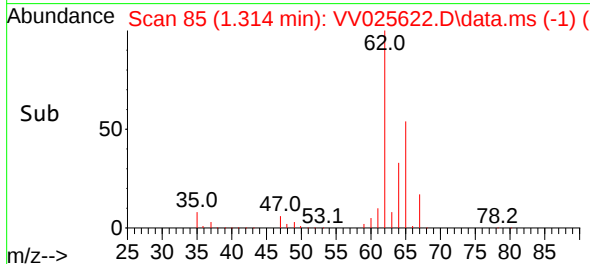
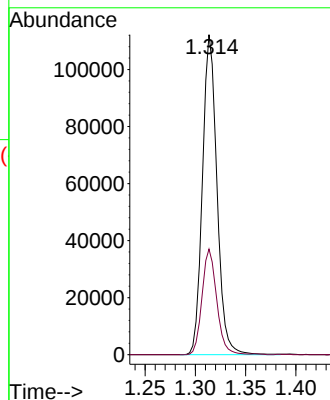
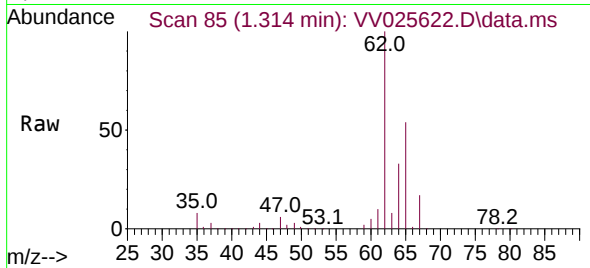




#5
 Vinyl chloride
 Concen: 5.039 ug/L
 RT: 1.314 min Scan# 86
 Delta R.T. -0.000 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

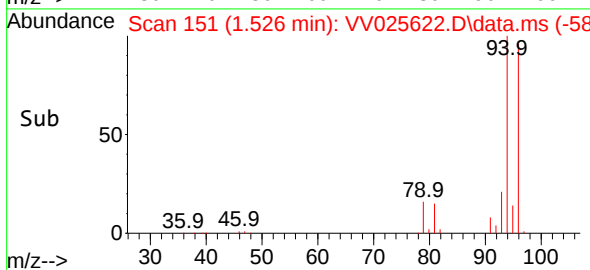
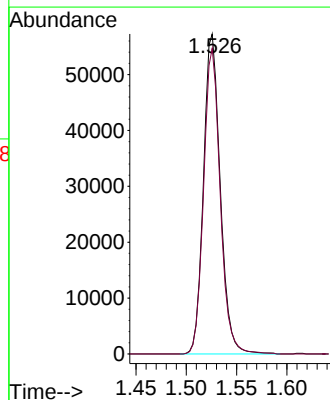
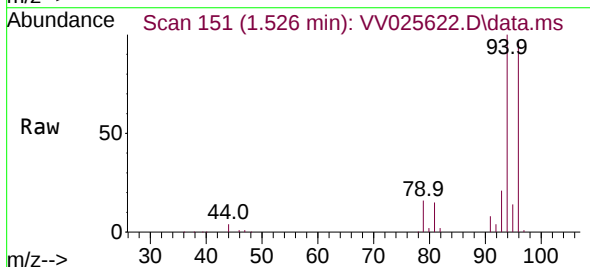
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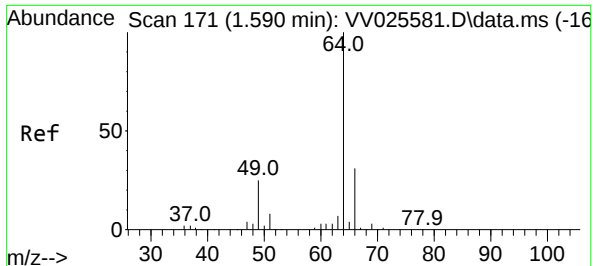
Tgt Ion: 62 Resp: 112917
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.2



#6
 Bromomethane
 Concen: 4.107 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. -0.000 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

Tgt Ion: 94 Resp: 66364
 Ion Ratio Lower Upper
 94 100
 96 95.5 66.1 122.7

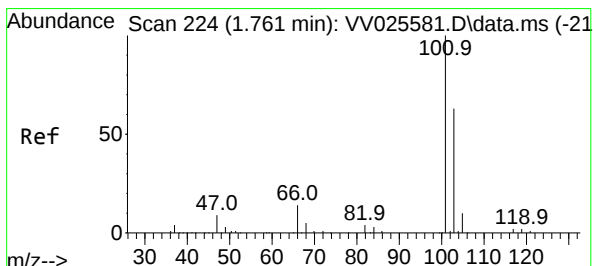
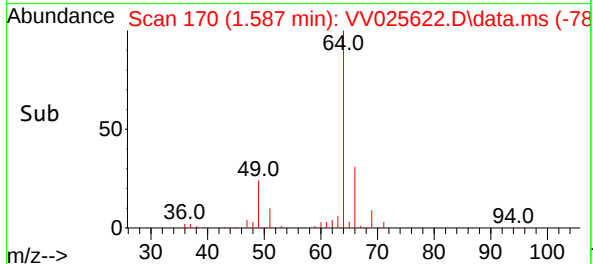
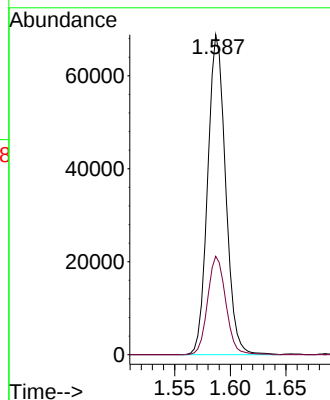
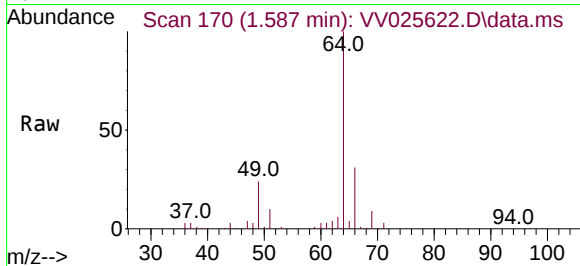




#8
Chloroethane
Concen: 4.454 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

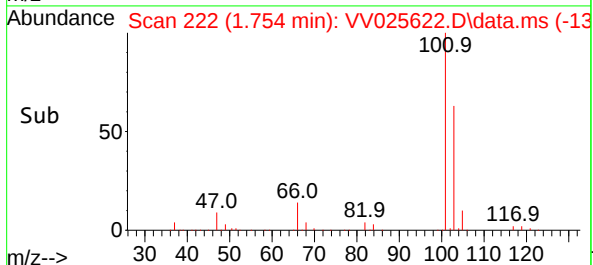
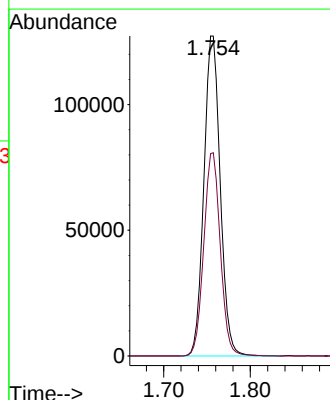
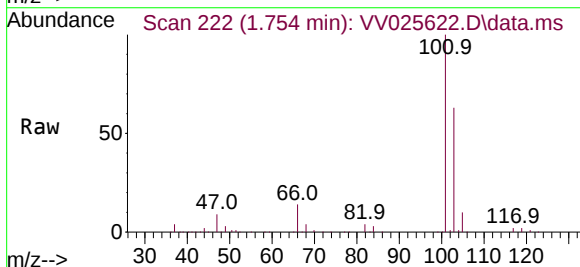
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ClientSampleId :
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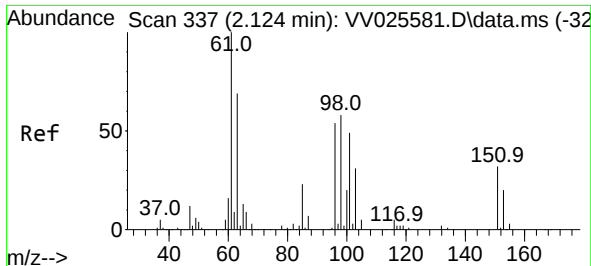
Tgt Ion: 64 Resp: 77035
Ion Ratio Lower Upper
64 100
66 30.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.296 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion:101 Resp: 166675
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9

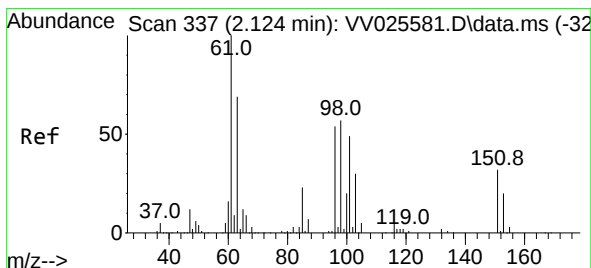
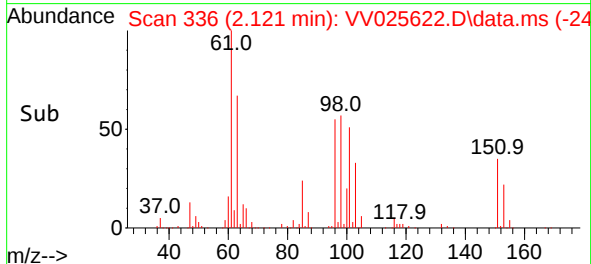
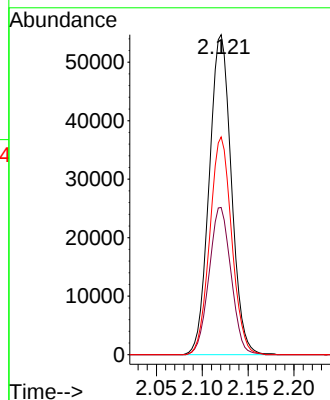
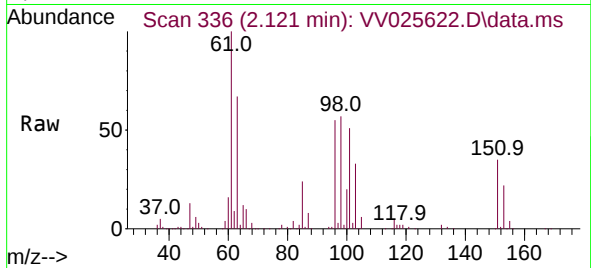




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.187 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

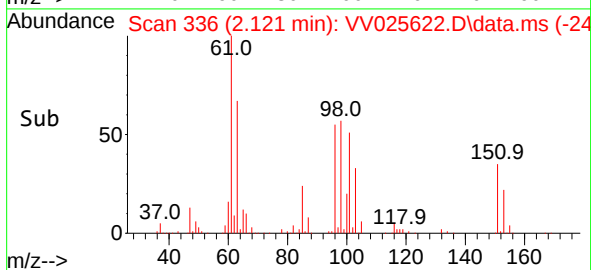
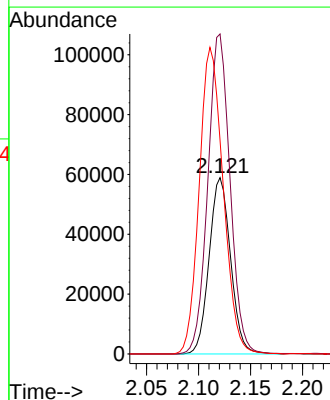
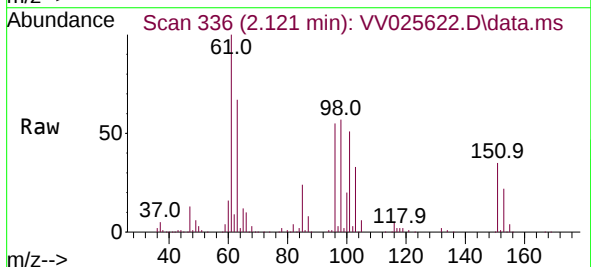
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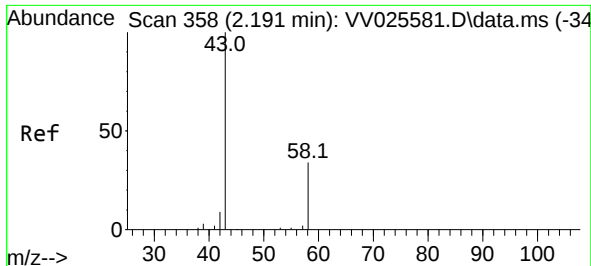
Tgt Ion:101 Resp: 91717
Ion Ratio Lower Upper
101 100
85 45.7 35.9 53.9
151 67.5 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.820 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 96 Resp: 84451
Ion Ratio Lower Upper
96 100
61 181.5 125.2 232.4
63 121.3 114.4 212.4





#13

Acetone

Concen: 54.523 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

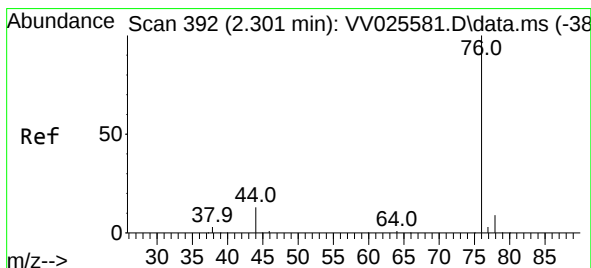
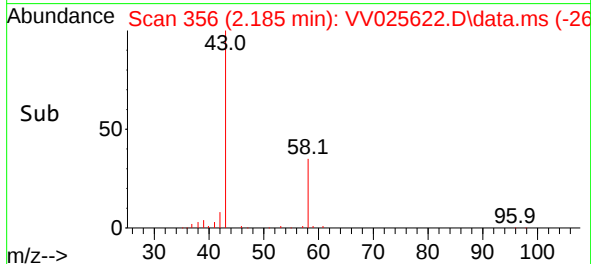
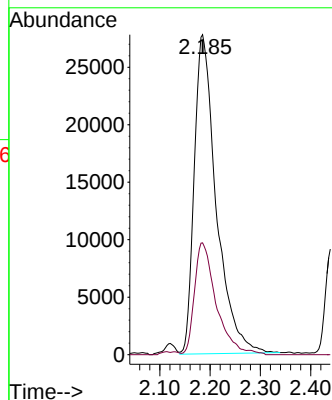
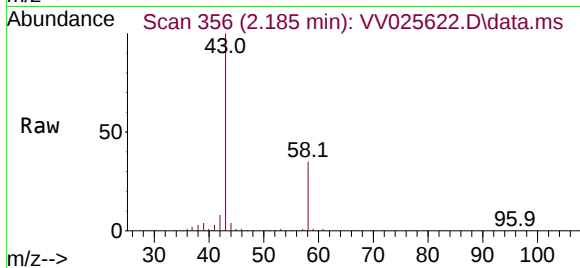
VSTD005384

Tgt Ion: 43 Resp: 84549

Ion Ratio Lower Upper

43 100

58 34.5 0.0 72.2



#14

Carbon disulfide

Concen: 4.414 ug/L

RT: 2.297 min Scan# 391

Delta R.T. -0.000 min

Lab File: VV025622.D

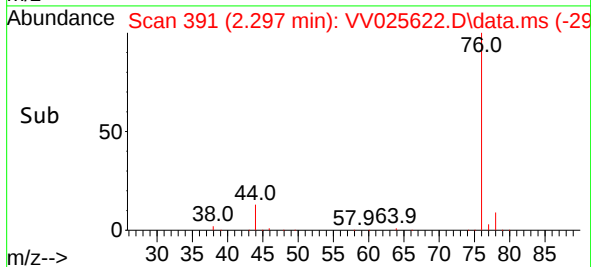
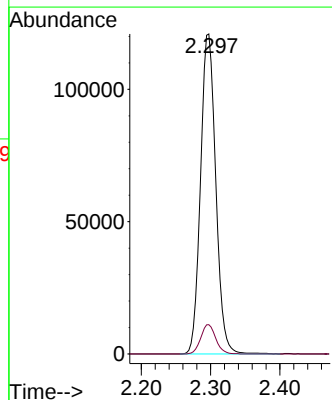
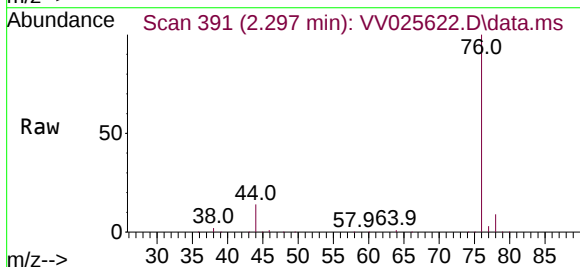
Acq: 19 Apr 2022 09:37

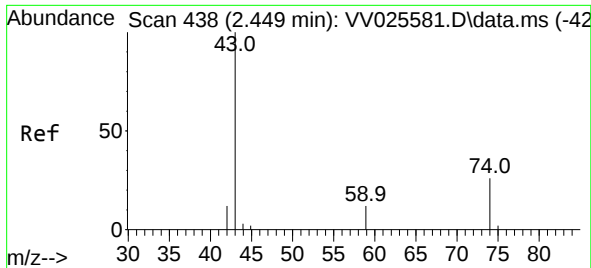
Tgt Ion: 76 Resp: 185153

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 5.294 ug/L

RT: 2.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

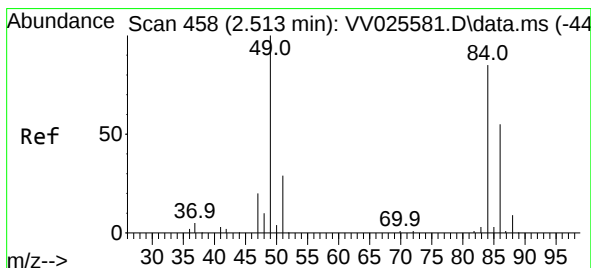
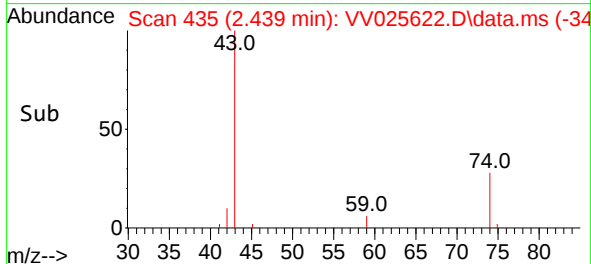
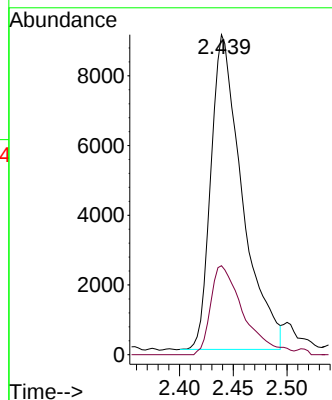
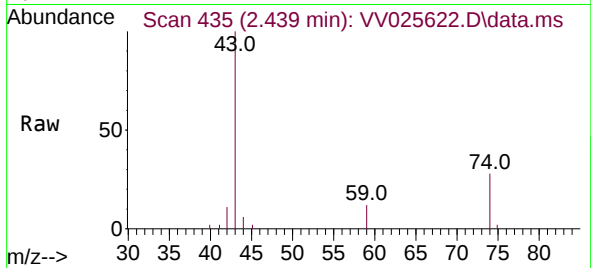
VSTD005384

Tgt Ion: 43 Resp: 18247

Ion Ratio Lower Upper

43 100

74 29.7 25.2 37.8



#16

Methylene chloride

Concen: 4.240 ug/L

RT: 2.506 min Scan# 456

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

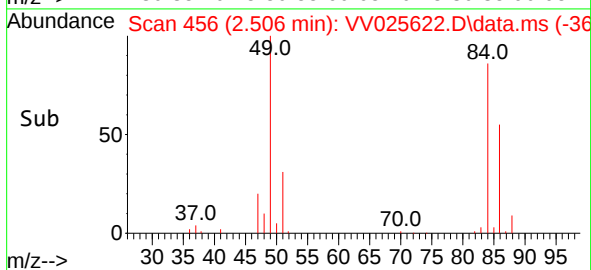
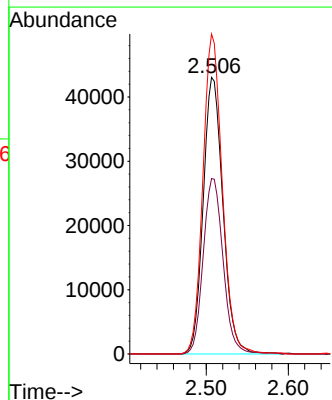
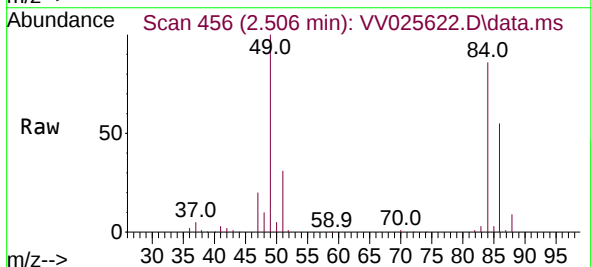
Tgt Ion: 84 Resp: 72030

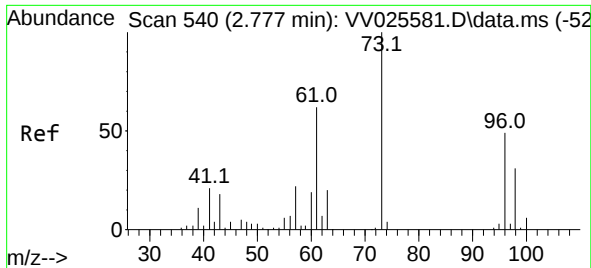
Ion Ratio Lower Upper

84 100

86 63.4 45.9 85.3

49 115.7 76.6 142.3

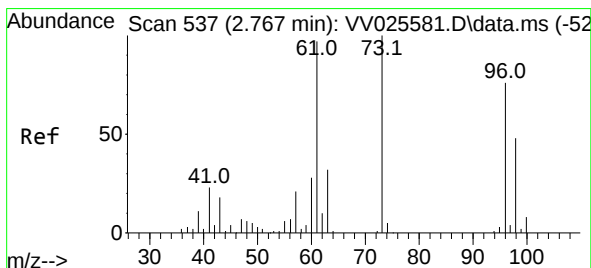
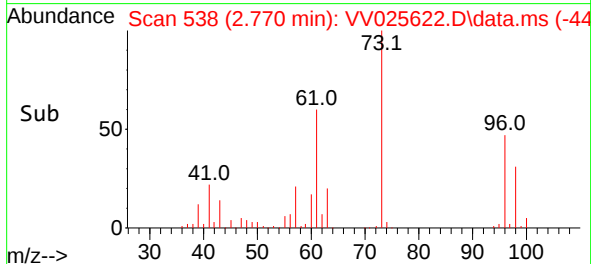
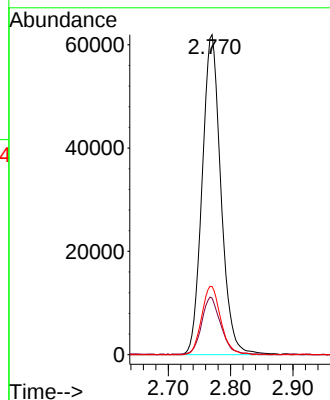
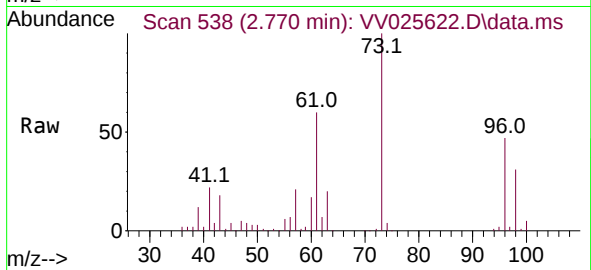




#17
Methyl tert-butyl Ether
Concen: 4.779 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

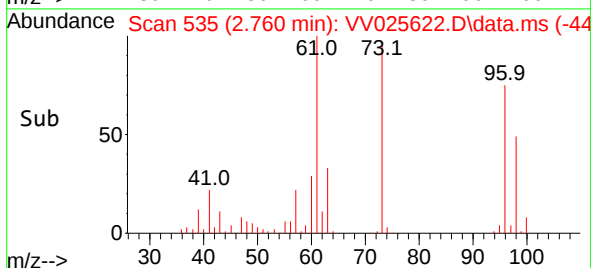
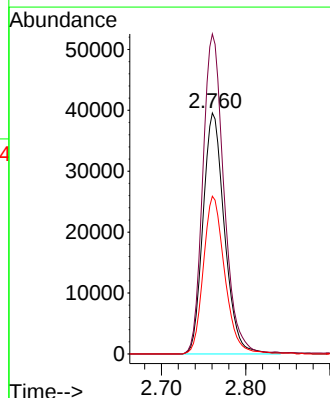
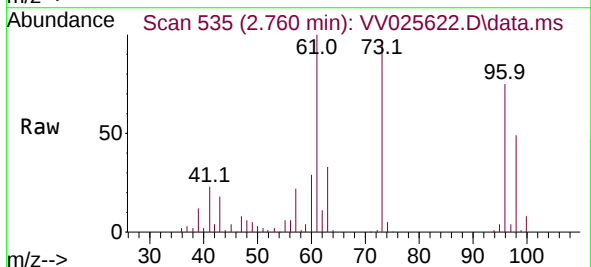
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

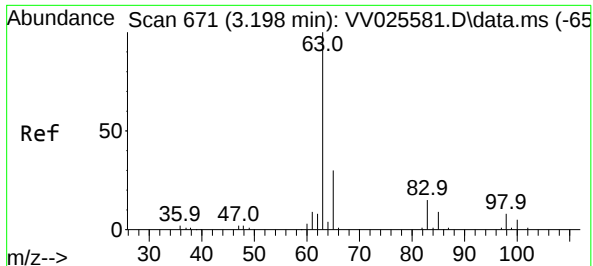
Tgt Ion: 73 Resp: 129565
Ion Ratio Lower Upper
73 100
43 17.8 14.2 21.4
57 21.7 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 4.771 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 96 Resp: 70046
Ion Ratio Lower Upper
96 100
61 132.8 92.1 171.1
98 65.5 47.5 88.1





#19

1,1-Dichloroethane

Concen: 5.289 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

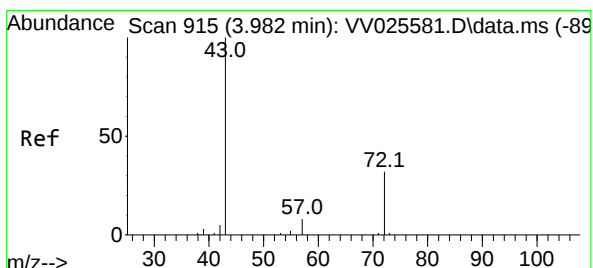
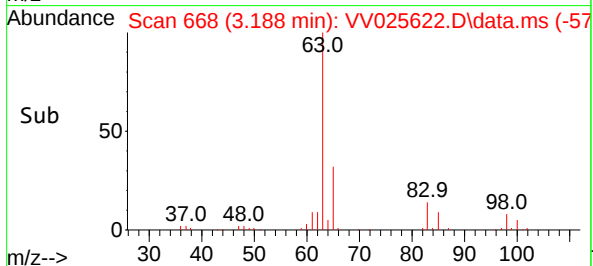
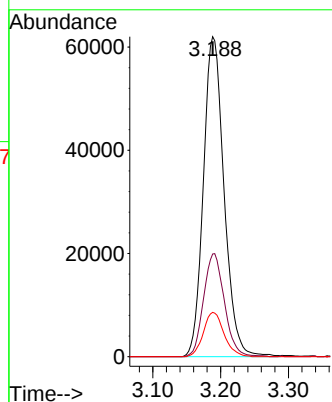
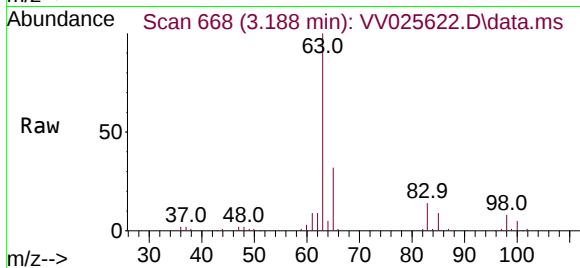
Tgt Ion: 63 Resp: 131537

Ion Ratio Lower Upper

63 100

65 32.1 23.2 43.0

83 13.8 9.0 16.8



#21

2-Butanone

Concen: 55.641 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.003 min

Lab File: VV025622.D

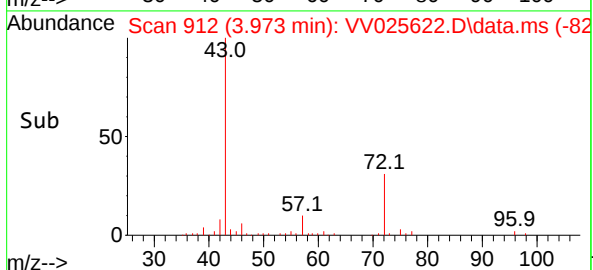
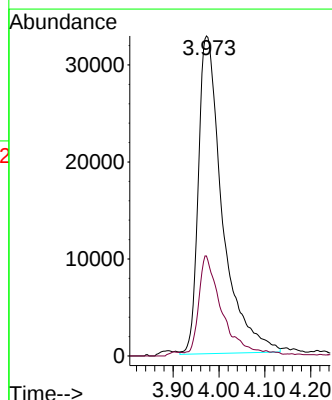
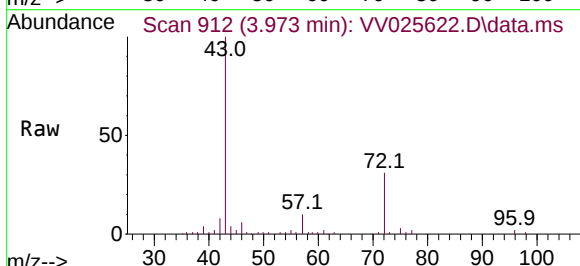
Acq: 19 Apr 2022 09:37

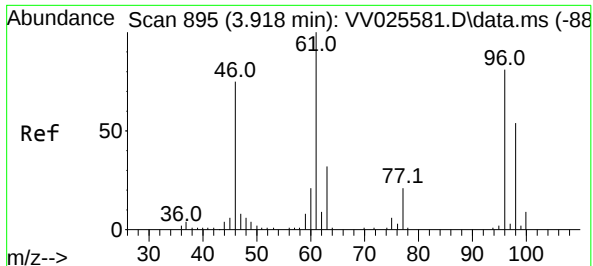
Tgt Ion: 43 Resp: 119224

Ion Ratio Lower Upper

43 100

72 28.3 15.2 45.6





#22

cis-1,2-Dichloroethene

Concen: 4.838 ug/L

RT: 3.908 min Scan# 895

Delta R.T. -0.003 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

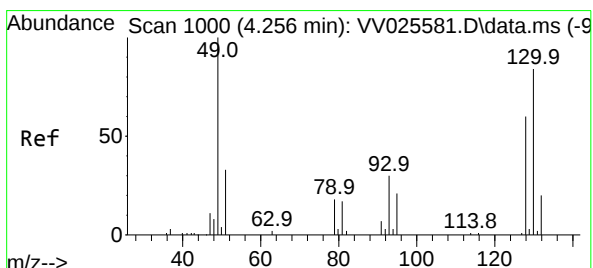
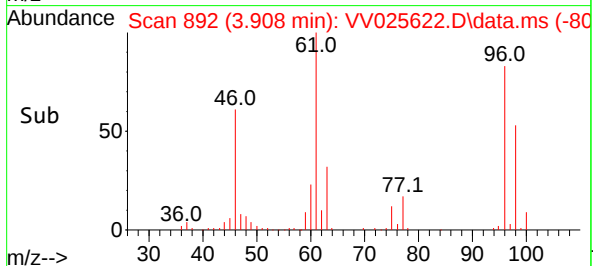
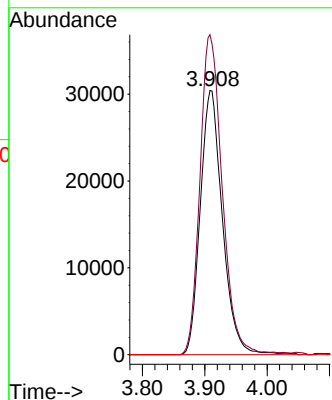
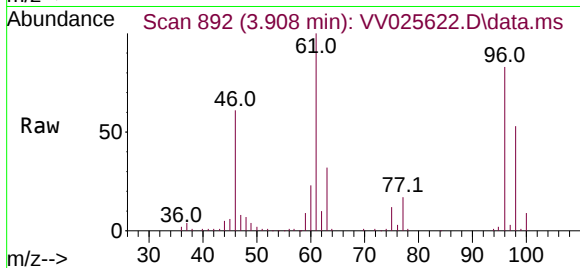
Tgt Ion: 96 Resp: 74789

Ion Ratio Lower Upper

96 100

61 121.1 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.975 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.003 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Tgt Ion: 128 Resp: 31928

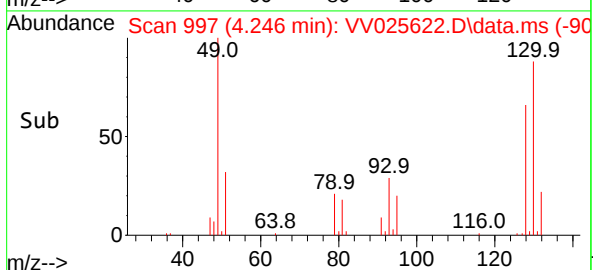
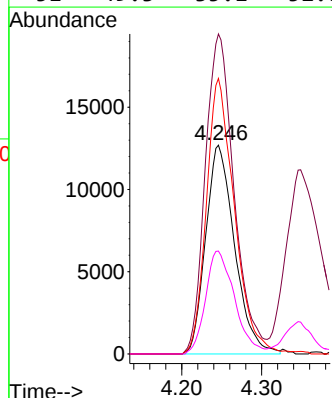
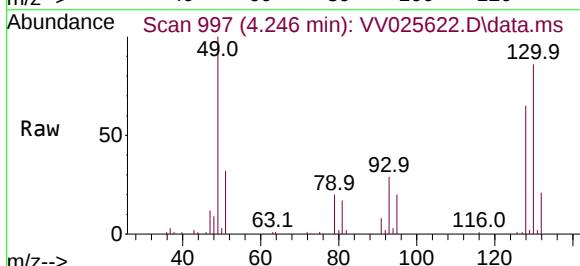
Ion Ratio Lower Upper

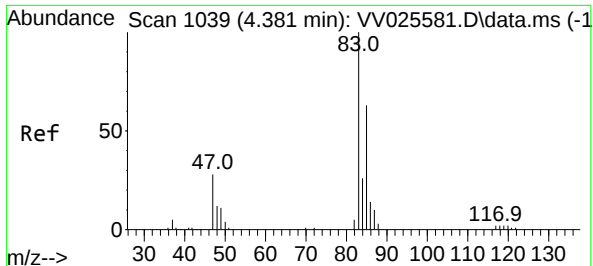
128 100

49 153.3 100.5 186.7

130 132.0 87.8 163.0

51 49.3 35.1 52.7

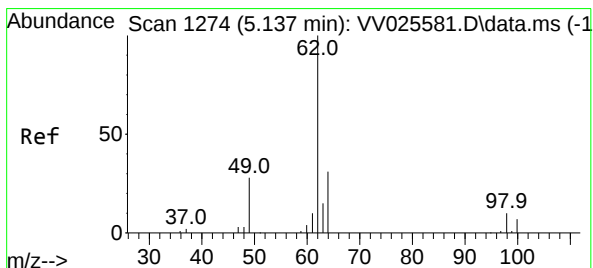
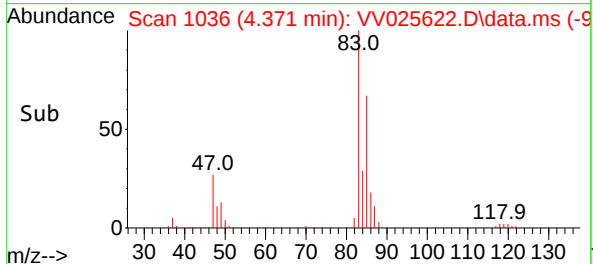
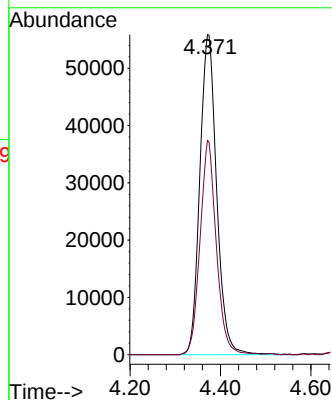
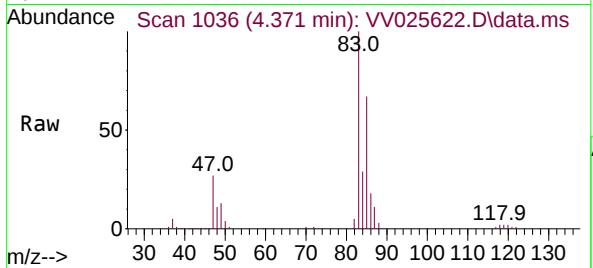




#25
Chloroform
Concen: 5.497 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

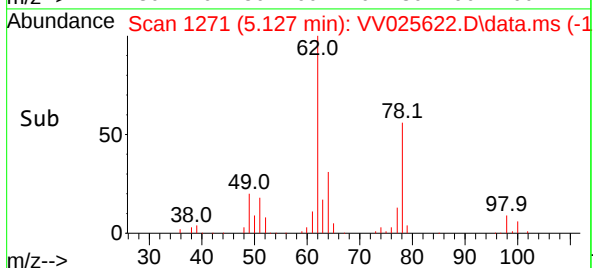
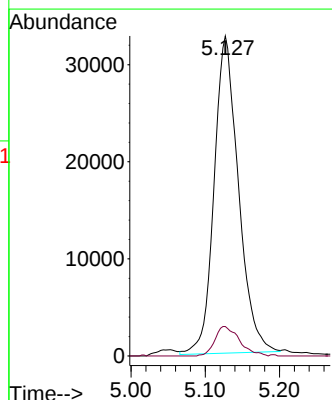
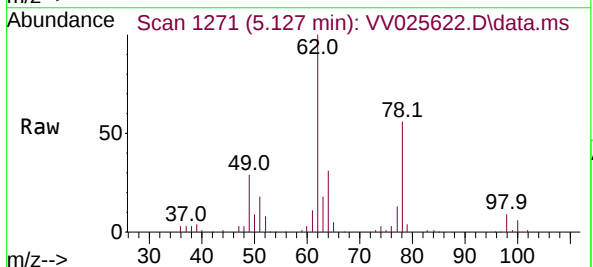
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

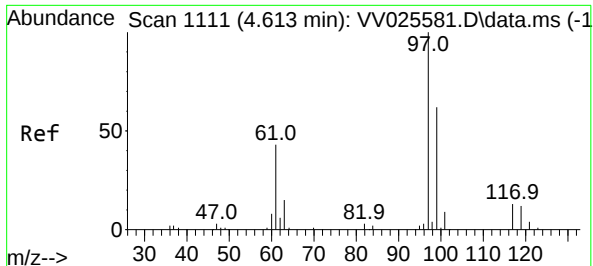
Tgt Ion: 83 Resp: 144309
Ion Ratio Lower Upper
83 100
85 66.9 43.5 80.7



#27
1,2-Dichloroethane
Concen: 5.377 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 62 Resp: 74473
Ion Ratio Lower Upper
62 100
98 9.2 8.8 13.2





#29

1,1,1-Trichloroethane

Concen: 5.087 ug/L

RT: 4.603 min Scan# 1111

Delta R.T. -0.003 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

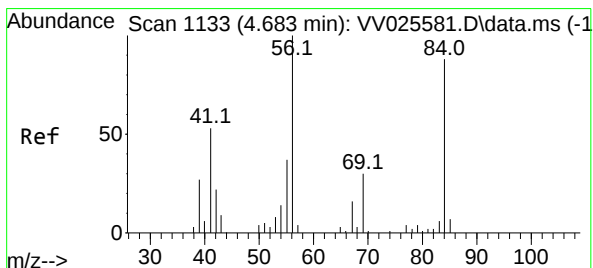
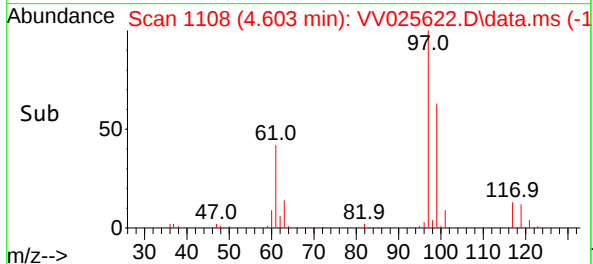
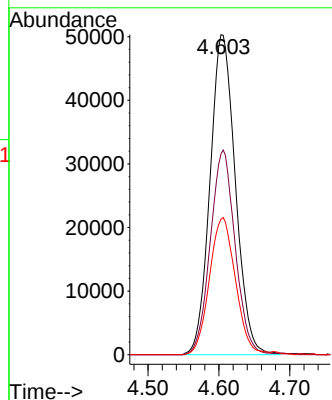
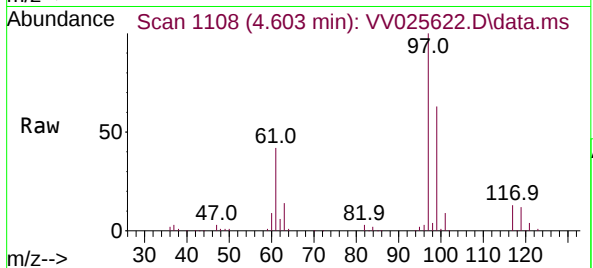
Tgt Ion: 97 Resp: 125085

Ion Ratio Lower Upper

97 100

99 62.8 51.5 77.3

61 44.0 34.3 51.5



#30

Cyclohexane

Concen: 4.397 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

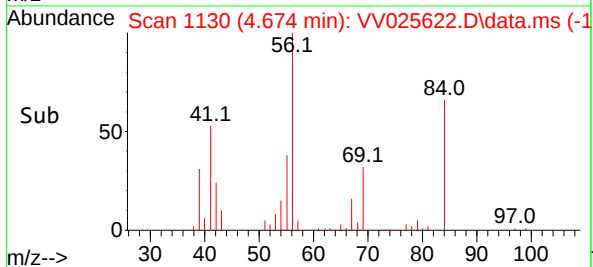
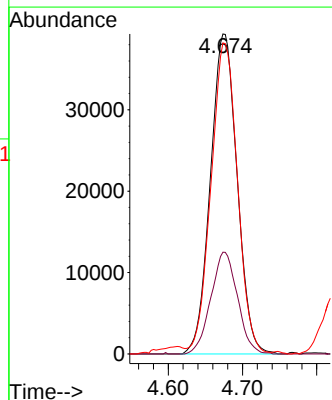
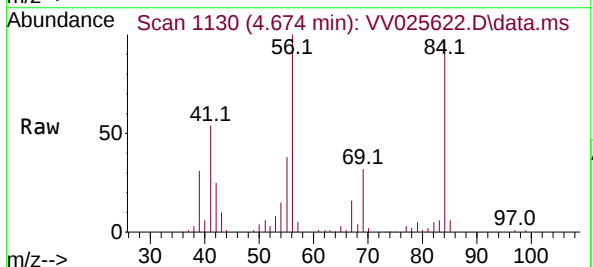
Tgt Ion: 56 Resp: 98307

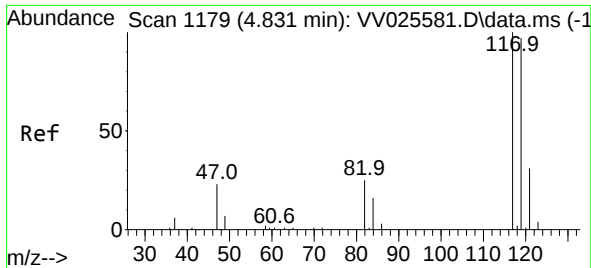
Ion Ratio Lower Upper

56 100

69 31.8 26.1 39.1

84 95.4 78.6 118.0

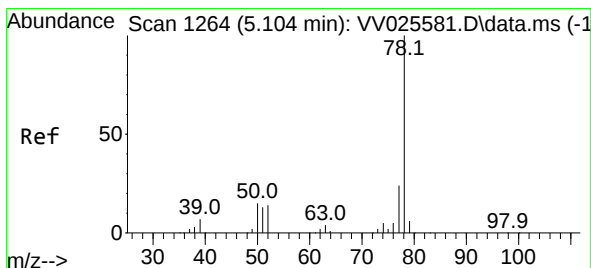
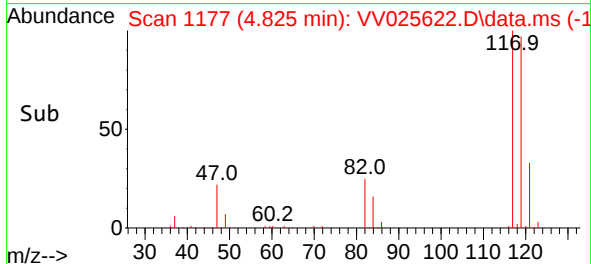
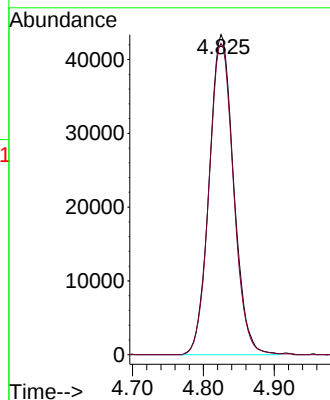
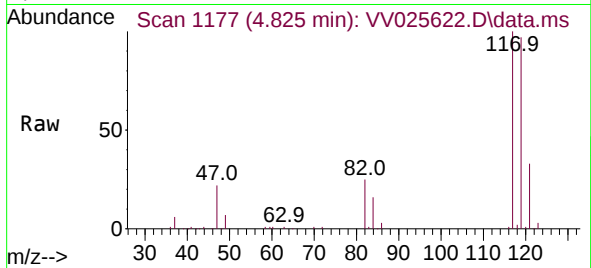




#31
Carbon tetrachloride
Concen: 5.009 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

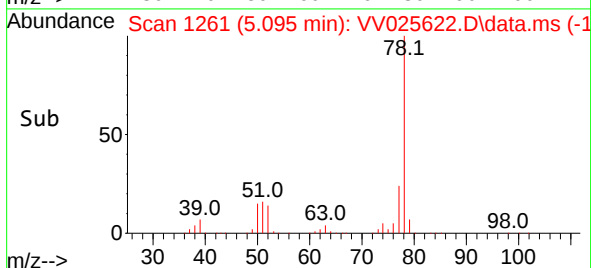
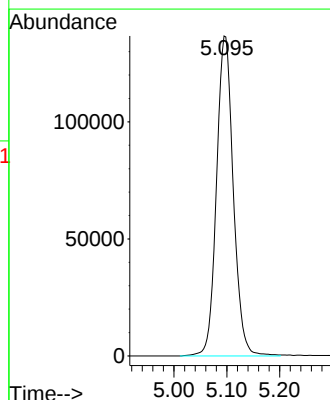
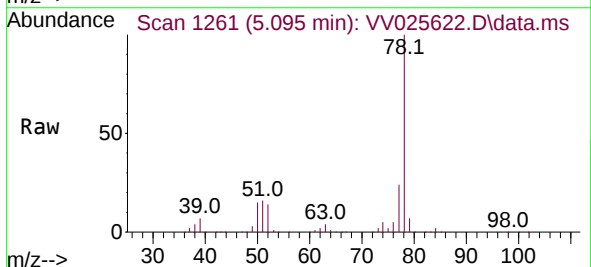
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

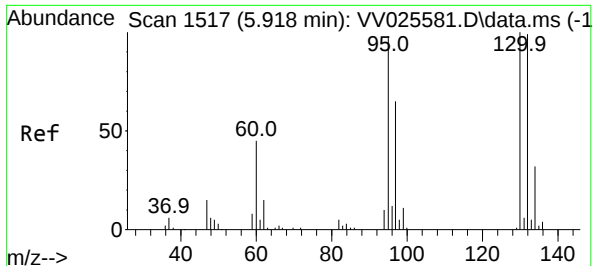
Tgt Ion:117 Resp: 104170
Ion Ratio Lower Upper
117 100
119 97.4 76.6 114.8



#33
Benzene
Concen: 4.903 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 78 Resp: 301959





#34

Trichloroethene

Concen: 4.780 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion: 95 Resp: 78170

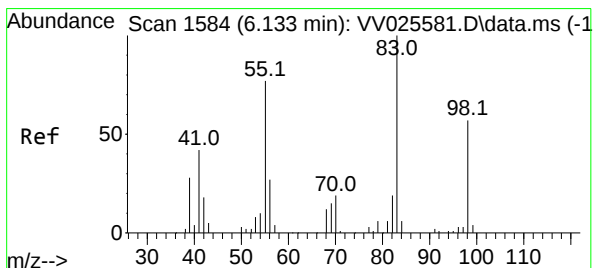
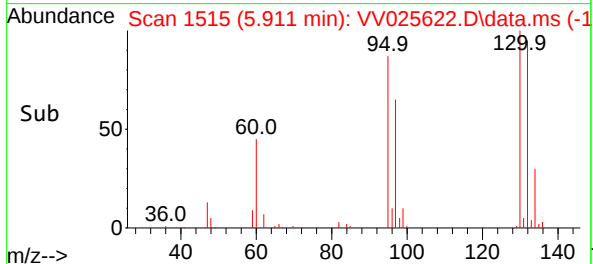
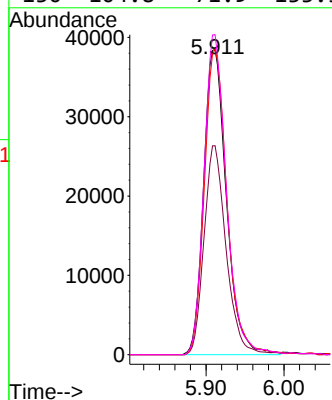
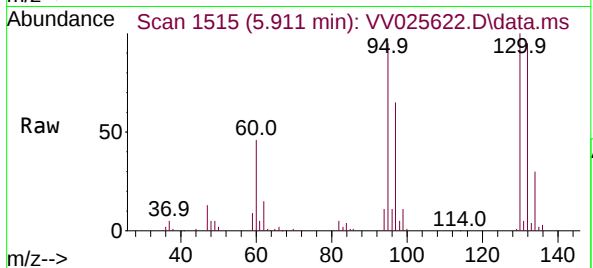
Ion Ratio Lower Upper

95 100

97 68.5 45.8 85.2

132 100.0 68.0 126.4

130 104.8 71.9 133.5



#35

Methylcyclohexane

Concen: 4.542 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

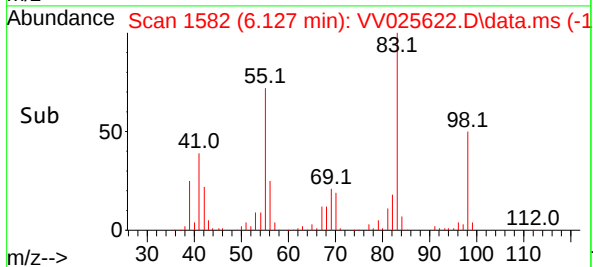
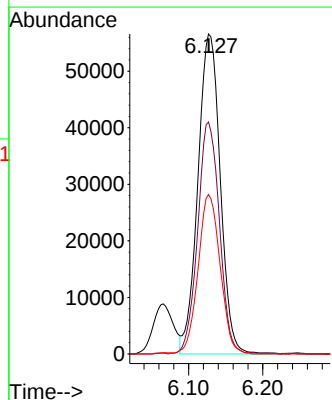
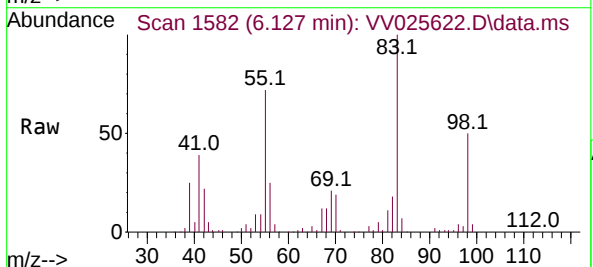
Tgt Ion: 83 Resp: 118505

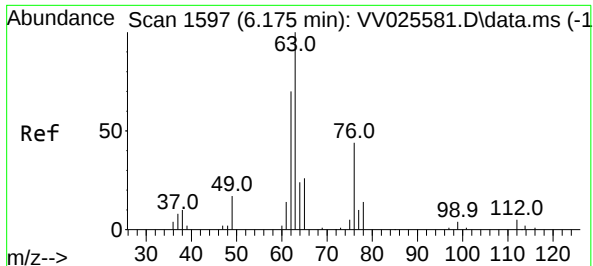
Ion Ratio Lower Upper

83 100

55 70.4 53.7 80.5

98 49.1 39.6 59.4





#37

1,2-Dichloropropane

Concen: 5.126 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

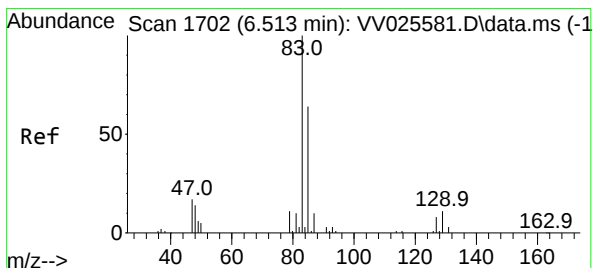
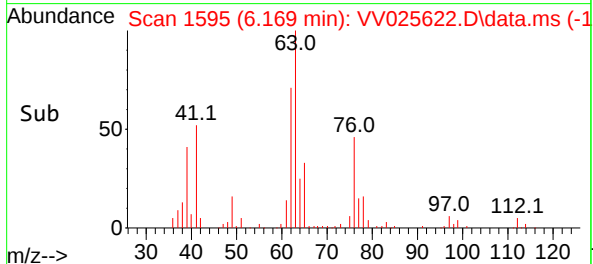
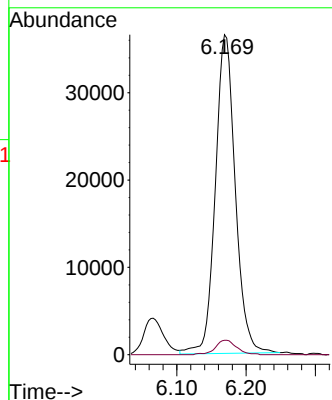
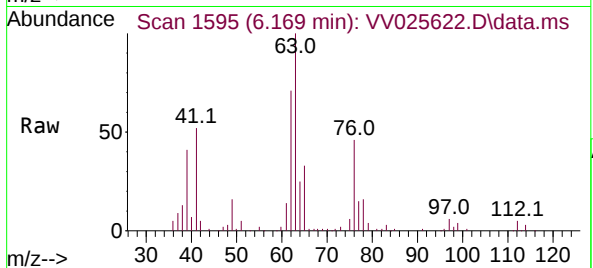
VSTD005384

Tgt Ion: 63 Resp: 73036

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 5.250 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

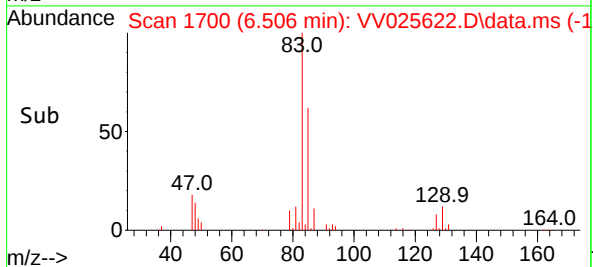
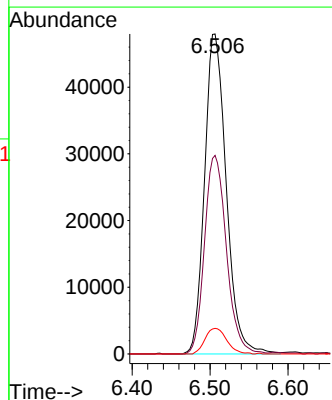
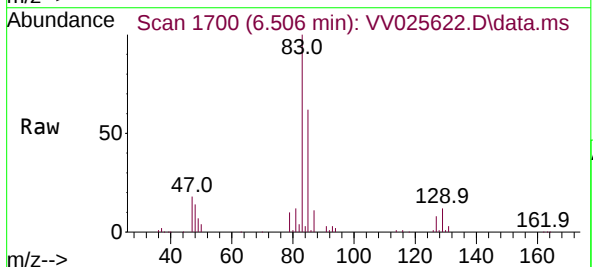
Tgt Ion: 83 Resp: 92856

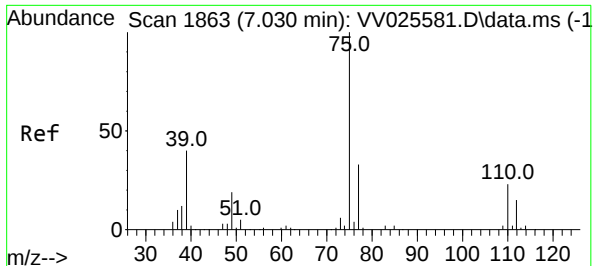
Ion Ratio Lower Upper

83 100

85 62.1 44.4 82.4

127 8.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.005 ug/L

RT: 7.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

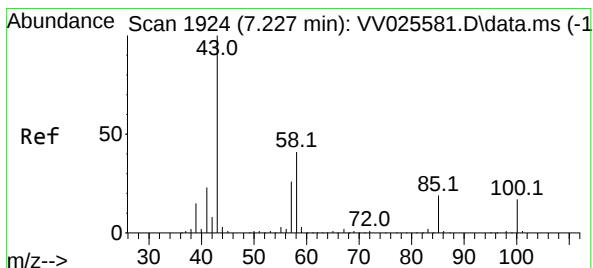
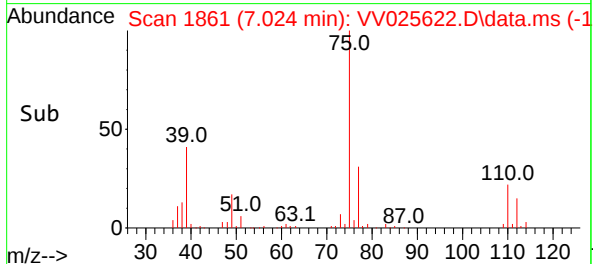
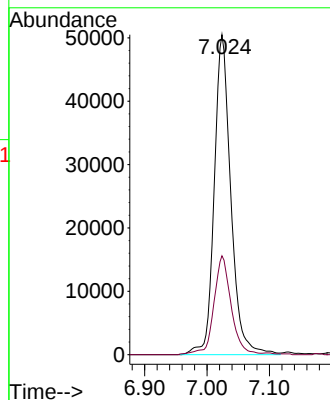
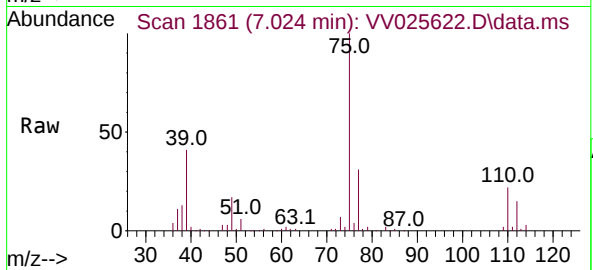
VSTD005384

Tgt Ion: 75 Resp: 93446

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 54.576 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

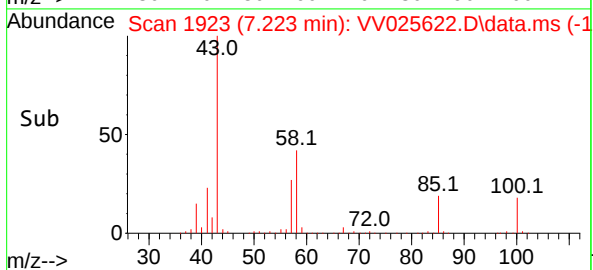
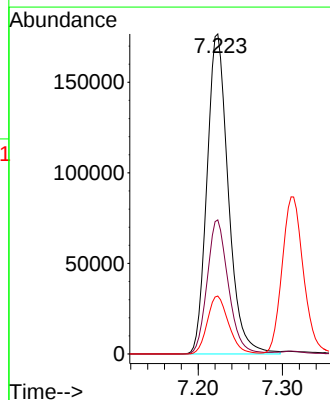
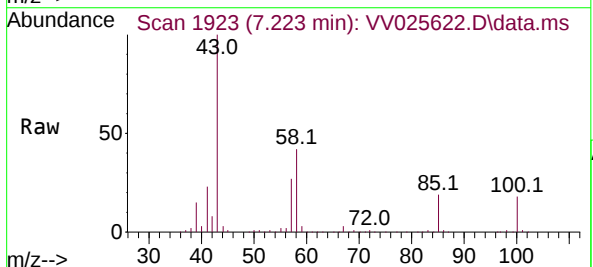
Tgt Ion: 43 Resp: 311340

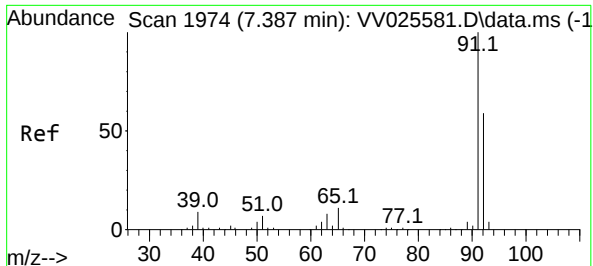
Ion Ratio Lower Upper

43 100

58 41.6 35.1 52.7

100 18.0 15.3 22.9





#42

Toluene

Concen: 4.941 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

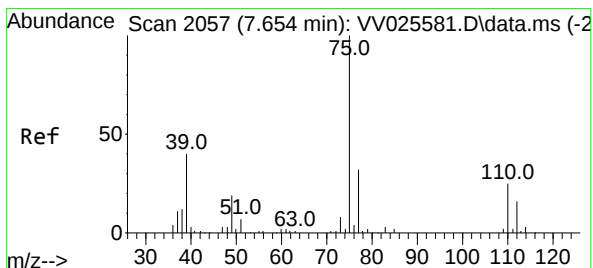
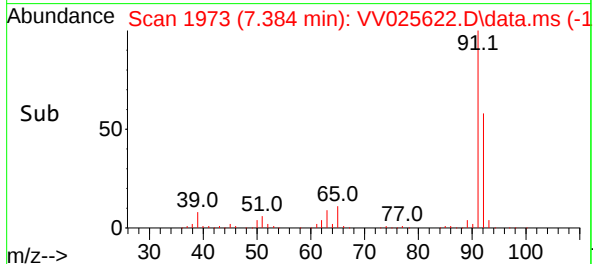
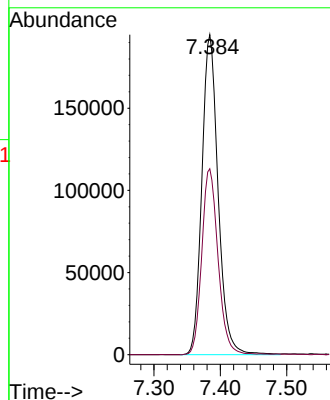
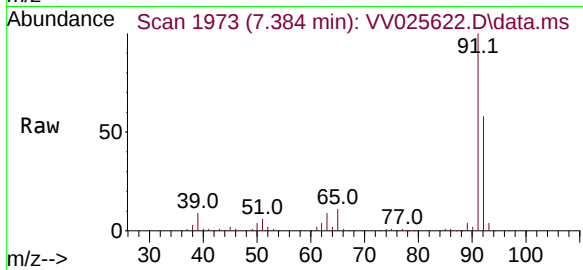
VSTD005384

Tgt Ion: 91 Resp: 330979

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.286 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV025622.D

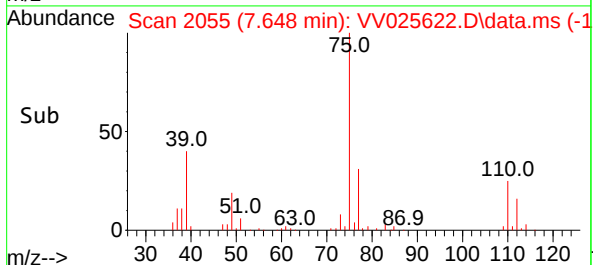
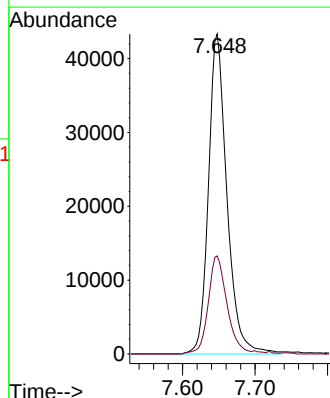
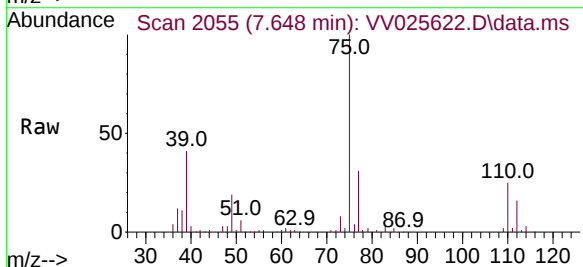
Acq: 19 Apr 2022 09:37

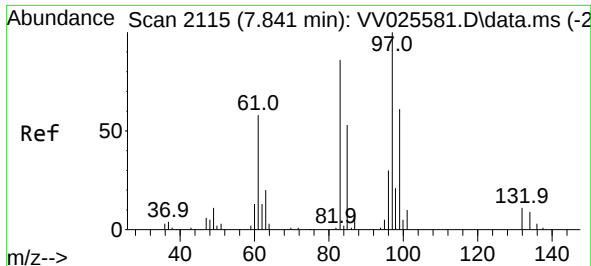
Tgt Ion: 75 Resp: 76681

Ion Ratio Lower Upper

75 100

77 30.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 5.005 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

Tgt Ion: 97 Resp: 47752

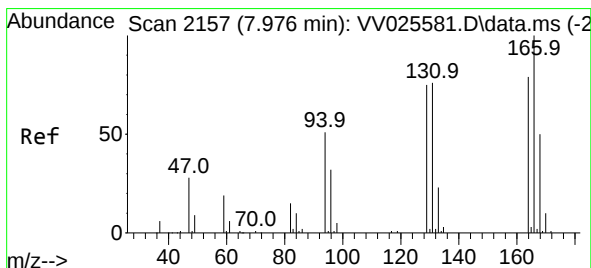
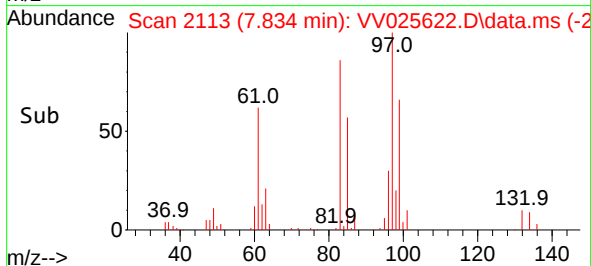
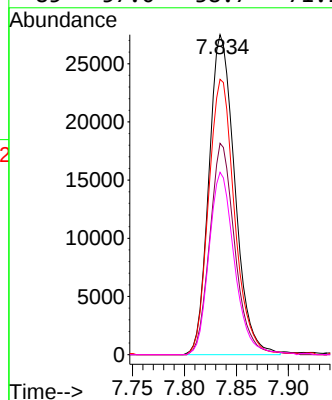
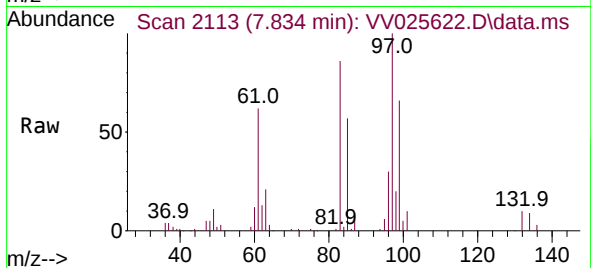
Ion Ratio Lower Upper

97 100

99 66.0 43.8 81.4

83 86.1 60.3 112.1

85 57.0 38.7 71.9



#47

Tetrachloroethene

Concen: 4.638 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Tgt Ion: 164 Resp: 59375

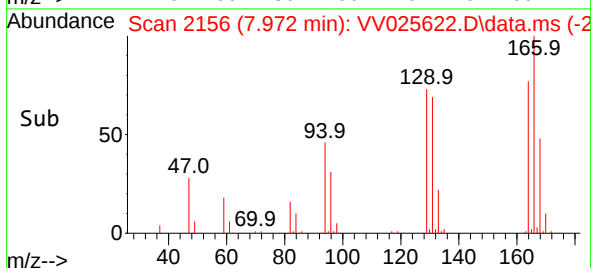
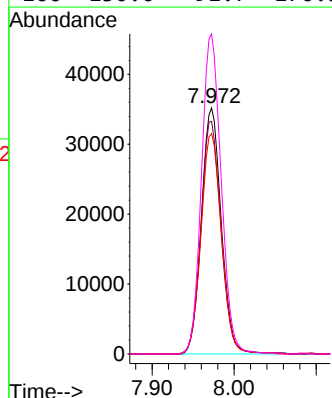
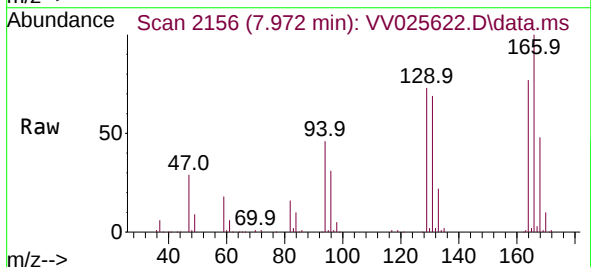
Ion Ratio Lower Upper

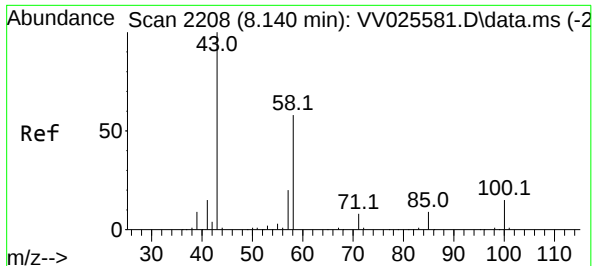
164 100

129 94.5 66.8 124.2

131 89.6 66.4 123.4

166 130.0 91.7 170.3



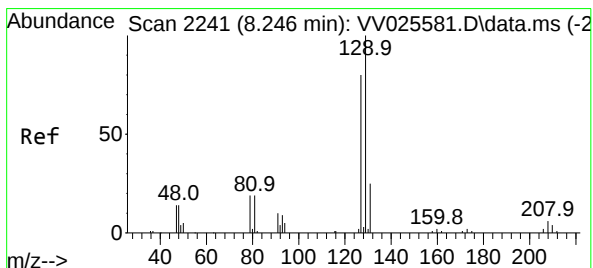
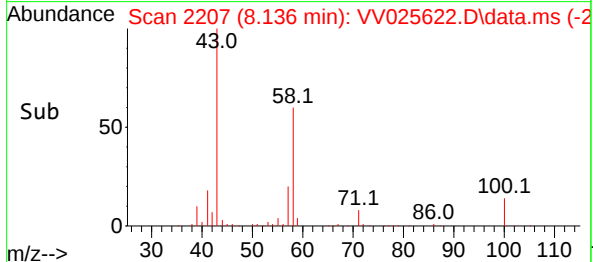
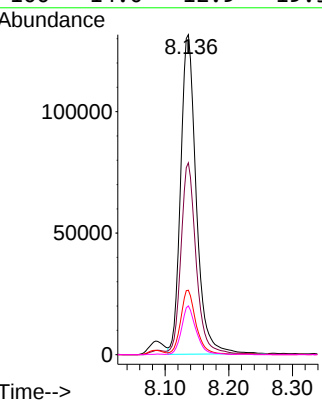
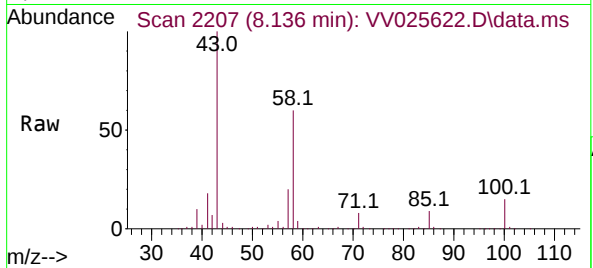


#48
2-Hexanone
Concen: 56.470 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

Tgt Ion: 43 Resp: 224501

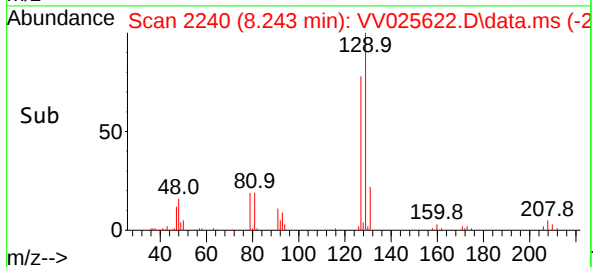
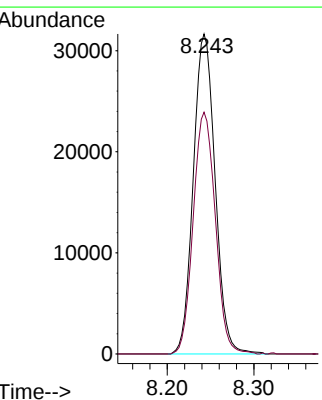
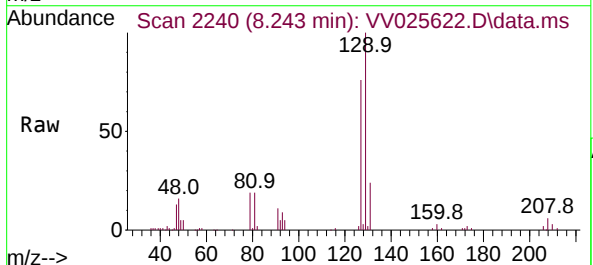
Ion	Ratio	Lower	Upper
43	100		
58	58.5	49.7	74.5
57	19.6	16.4	24.6
100	14.0	12.9	19.3

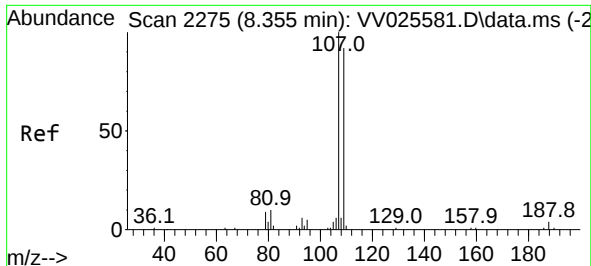


#49
Dibromochloromethane
Concen: 5.292 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 129 Resp: 55430

Ion	Ratio	Lower	Upper
129	100		
127	75.6	53.8	100.0





#50

1,2-Dibromoethane

Concen: 4.741 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

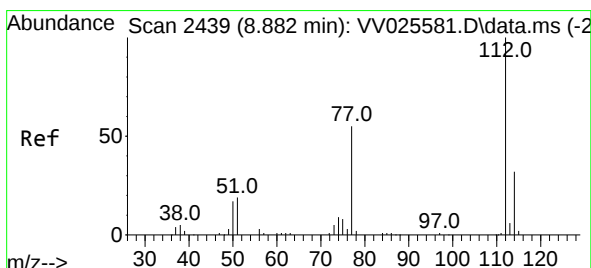
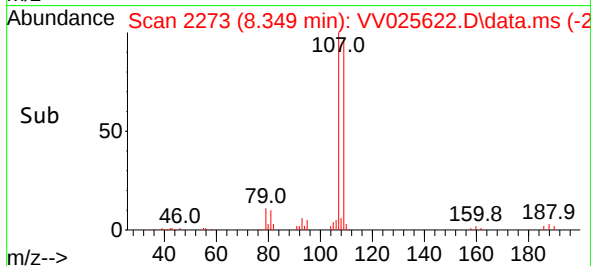
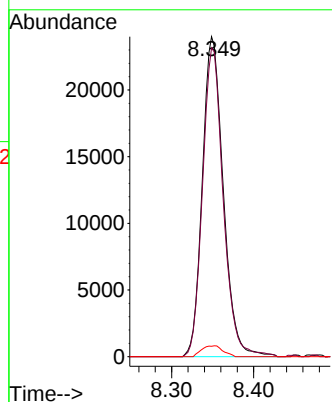
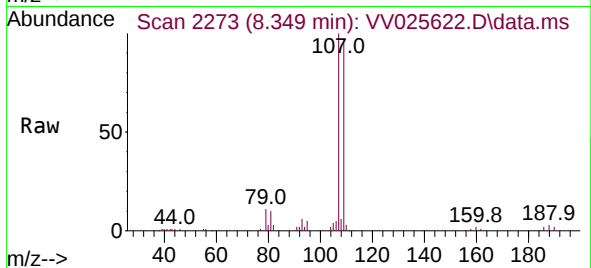
Tgt Ion:107 Resp: 42485

Ion Ratio Lower Upper

107 100

109 96.5 65.9 122.3

188 3.2 2.7 4.1



#51

Chlorobenzene

Concen: 4.801 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

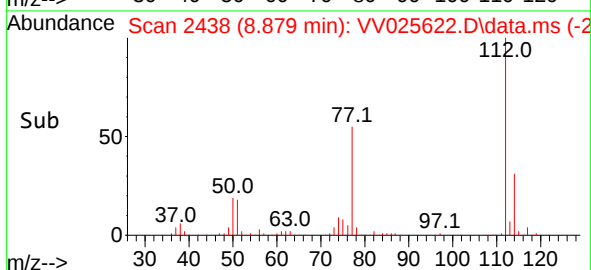
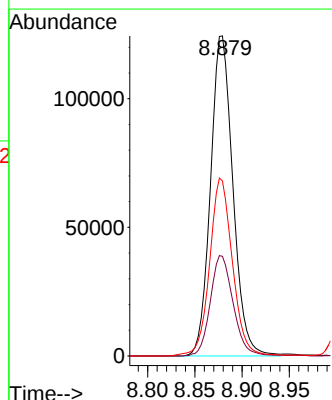
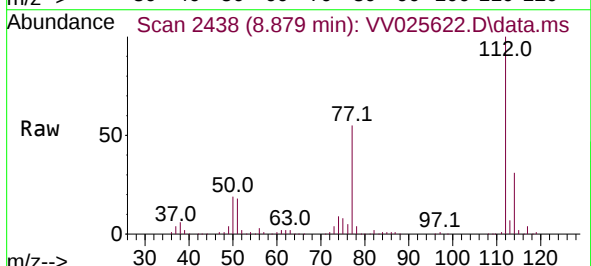
Tgt Ion:112 Resp: 205368

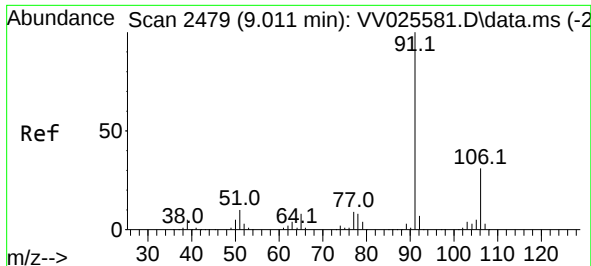
Ion Ratio Lower Upper

112 100

114 31.1 22.4 41.6

77 54.7 43.7 65.5

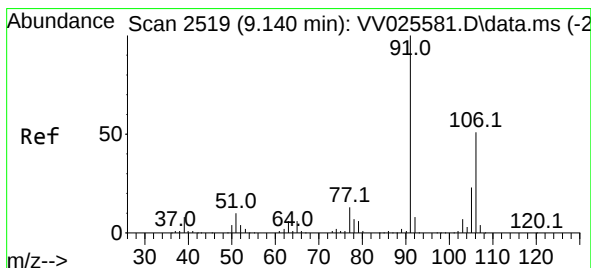
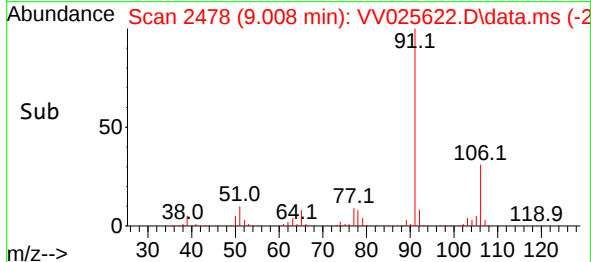
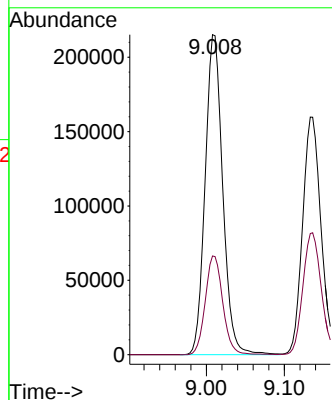
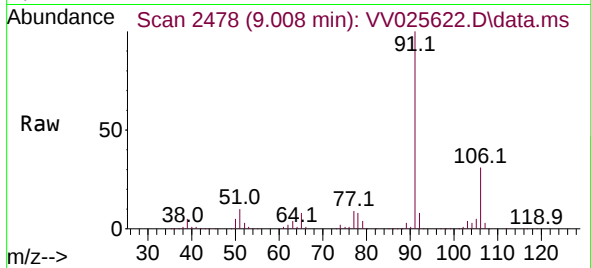




#52
Ethylbenzene
Concen: 4.730 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

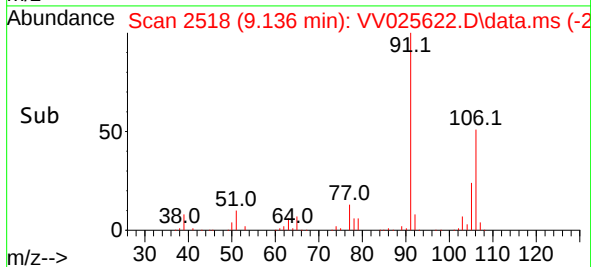
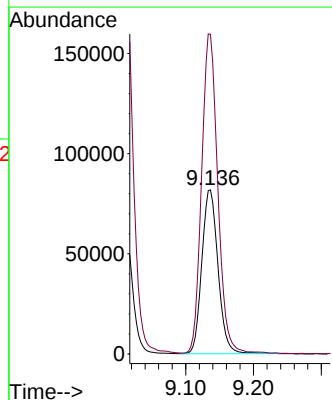
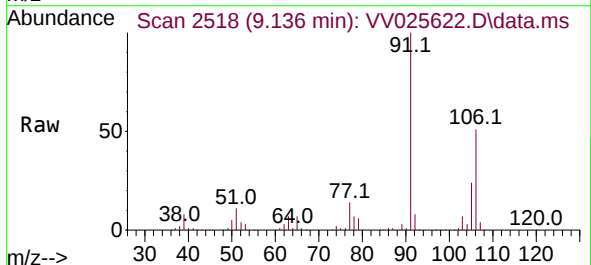
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

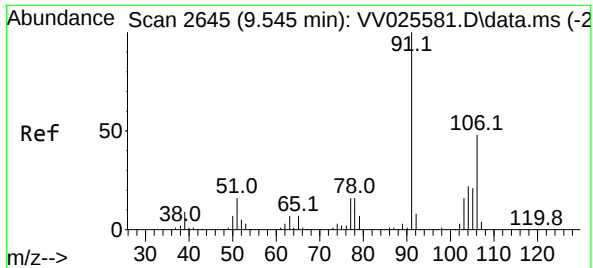
Tgt Ion: 91 Resp: 337935
Ion Ratio Lower Upper
91 100
106 30.9 22.3 41.3



#53
m,p-Xylene
Concen: 4.999 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 106 Resp: 135798
Ion Ratio Lower Upper
106 100
91 194.7 136.4 253.4

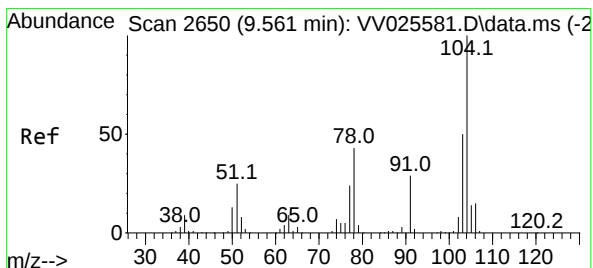
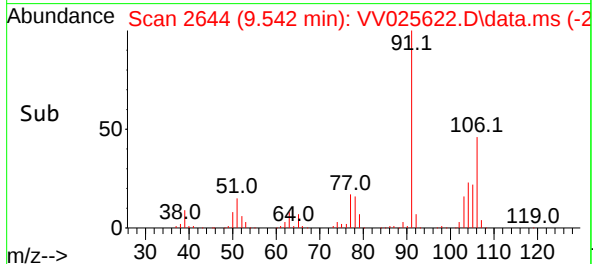
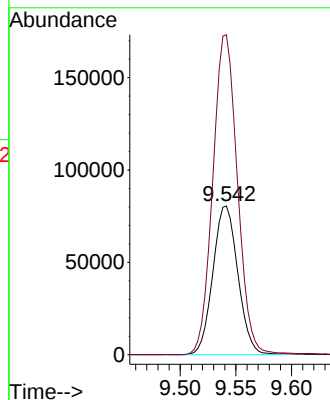
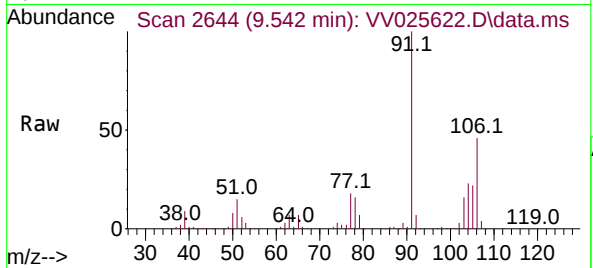




#54
o-Xylene
Concen: 4.761 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

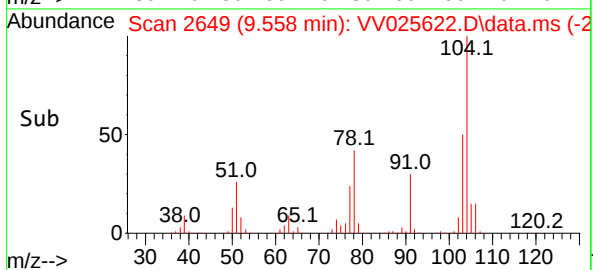
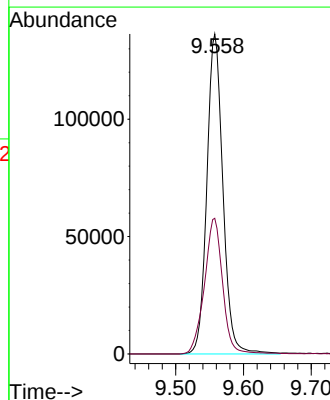
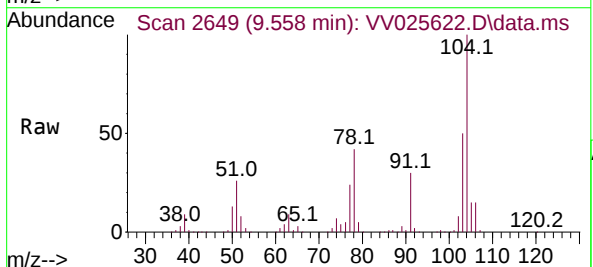
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

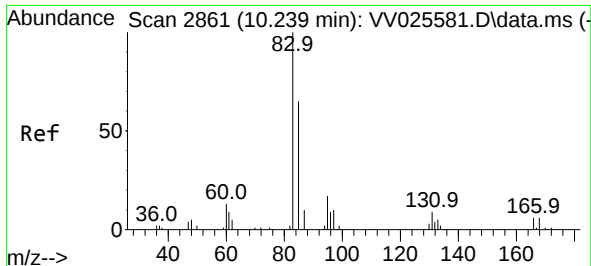
Tgt Ion:106 Resp: 125631
Ion Ratio Lower Upper
106 100
91 215.3 150.4 279.2



#55
Styrene
Concen: 5.227 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion:104 Resp: 224271
Ion Ratio Lower Upper
104 100
78 42.4 28.3 52.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/L

RT: 10.236 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

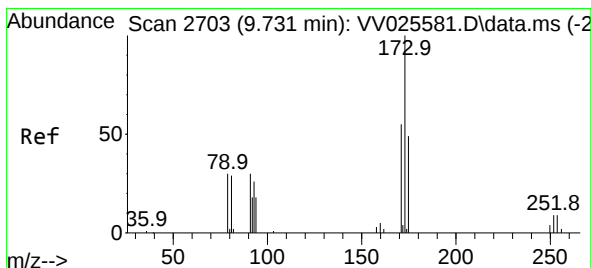
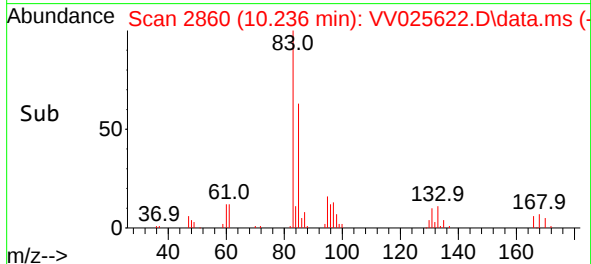
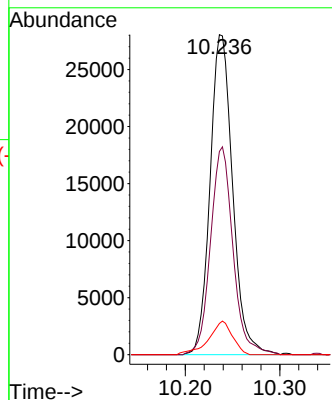
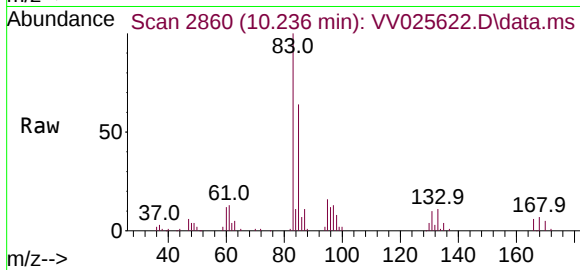
Tgt Ion: 83 Resp: 46516

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9

131 9.8 7.9 11.9



#59

Bromoform

Concen: 5.195 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

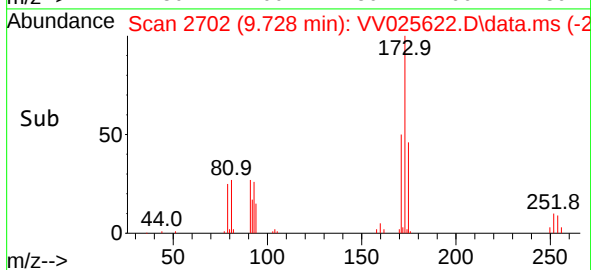
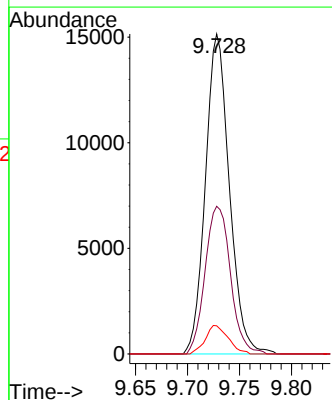
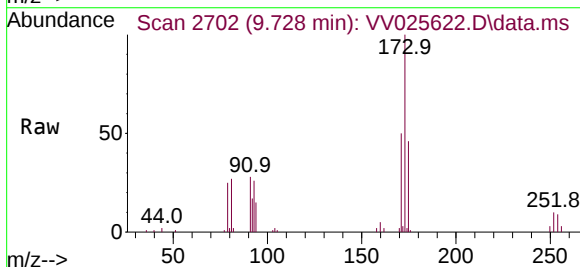
Tgt Ion: 173 Resp: 24277

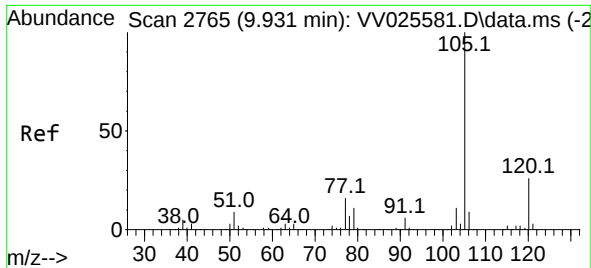
Ion Ratio Lower Upper

173 100

175 48.9 40.8 61.2

254 8.5 7.0 10.6

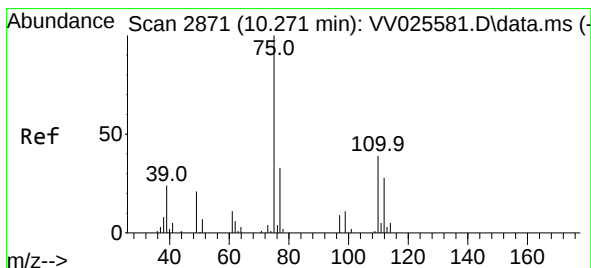
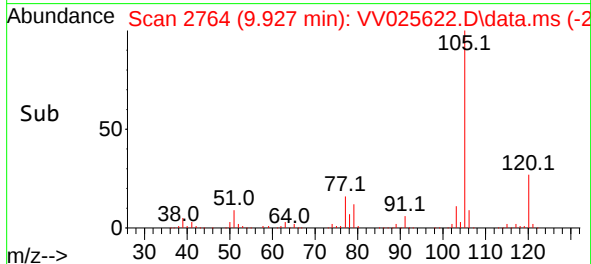
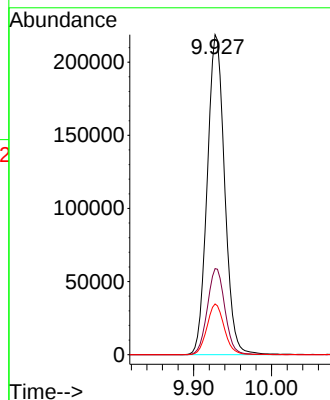
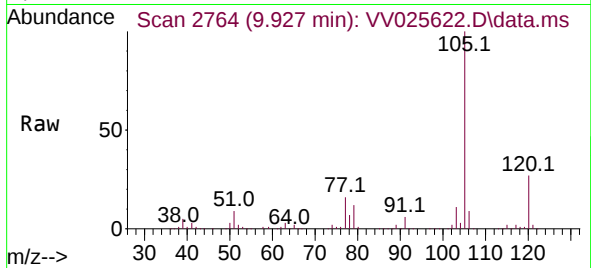




#60
Isopropylbenzene
Concen: 4.843 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

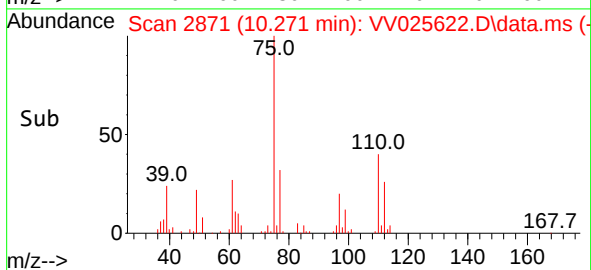
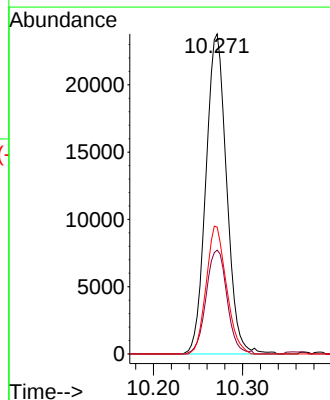
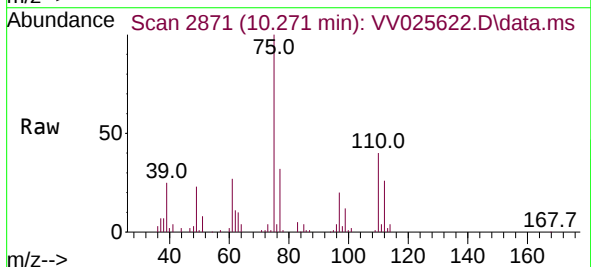
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

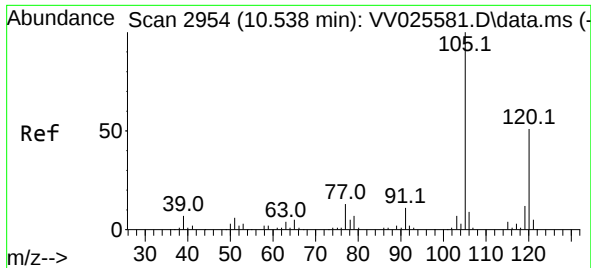
Tgt Ion:105 Resp: 339388
Ion Ratio Lower Upper
105 100
120 27.1 21.2 31.8
77 15.8 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 5.145 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 75 Resp: 38364
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4
110 39.0 34.7 52.1





#62

1,3,5-Trimethylbenzene

Concen: 4.630 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

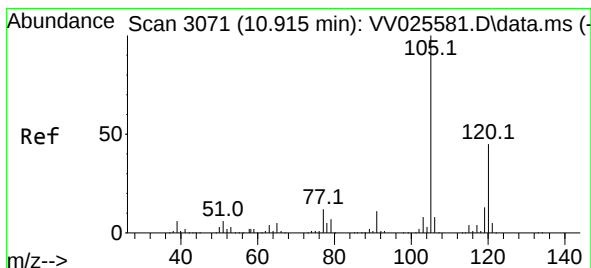
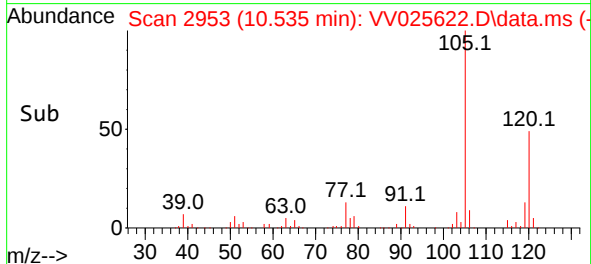
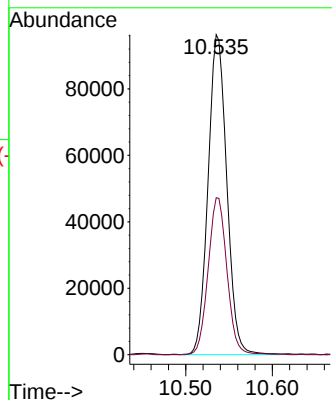
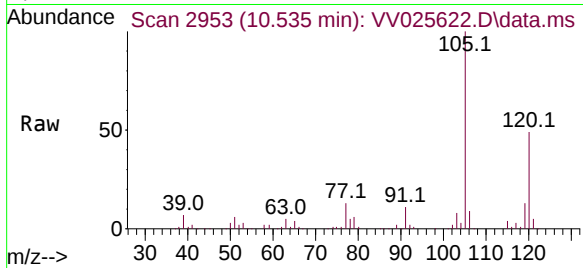
VSTD005384

Tgt Ion:105 Resp: 144665

Ion Ratio Lower Upper

105 100

120 49.2 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.926 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV025622.D

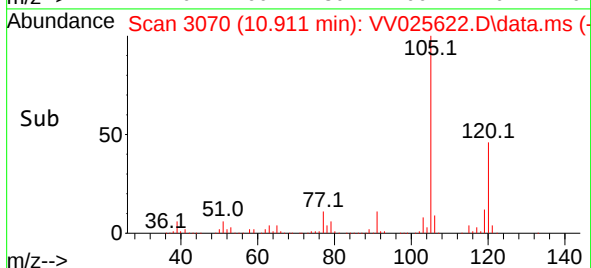
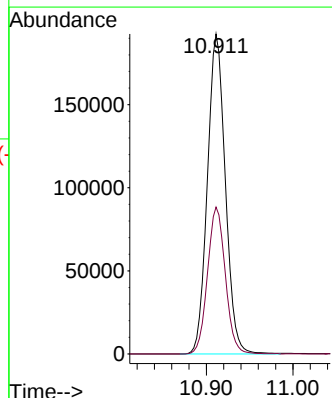
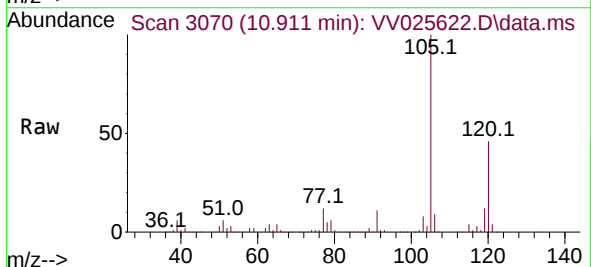
Acq: 19 Apr 2022 09:37

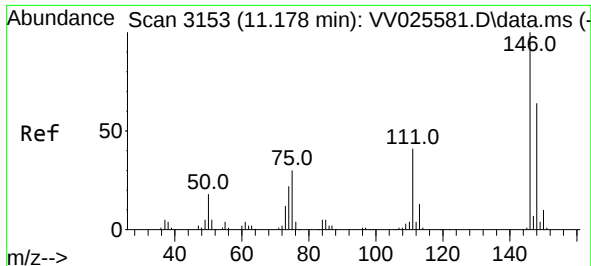
Tgt Ion:105 Resp: 277311

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0

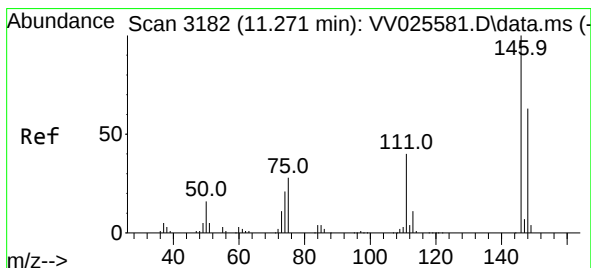
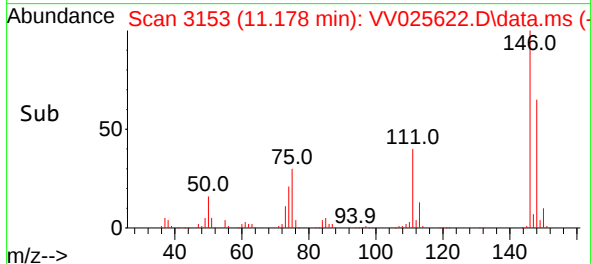
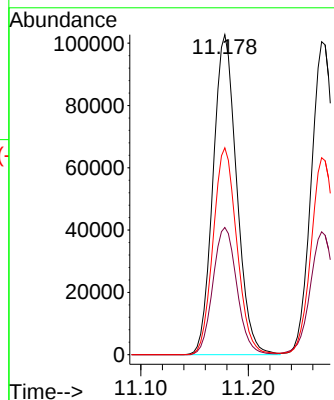
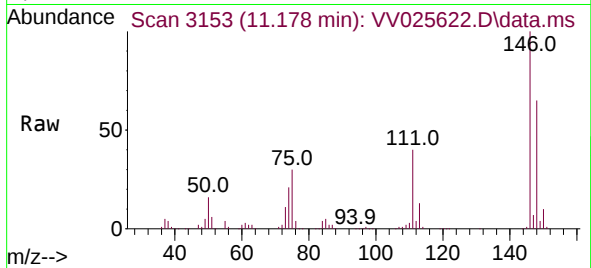




#64
1,3-Dichlorobenzene
Concen: 4.796 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

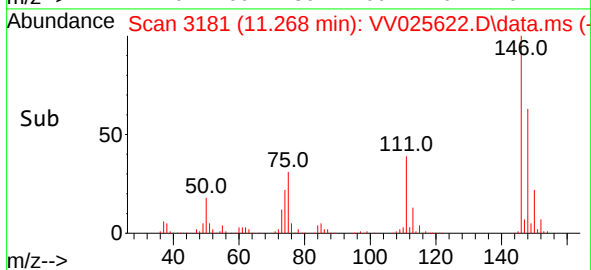
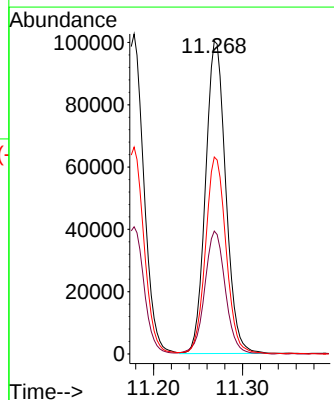
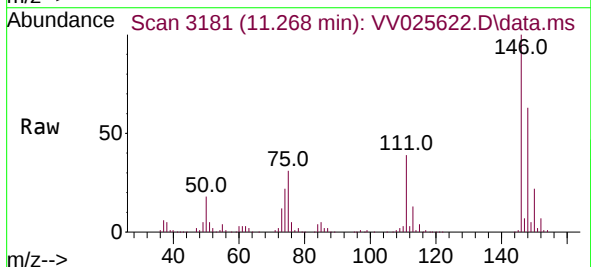
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

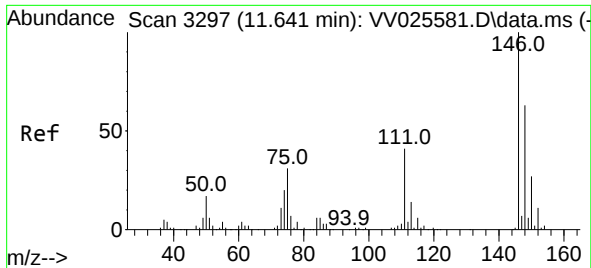
Tgt Ion:146 Resp: 156861
Ion Ratio Lower Upper
146 100
111 39.7 27.4 50.8
148 64.6 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 4.764 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion:146 Resp: 158175
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.7
148 62.9 42.8 79.6

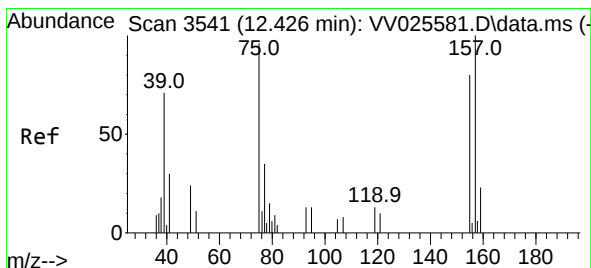
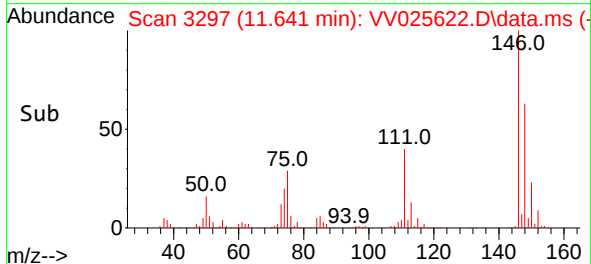
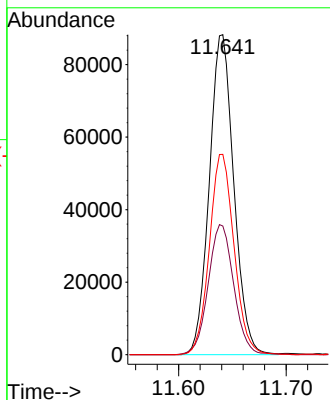
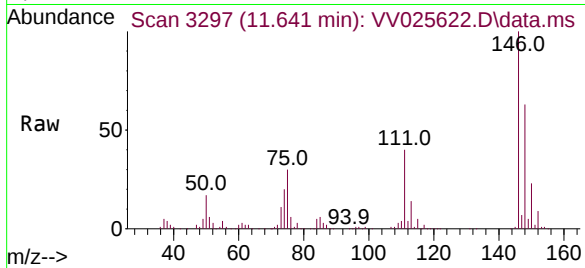




#67
1,2-Dichlorobenzene
Concen: 4.827 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

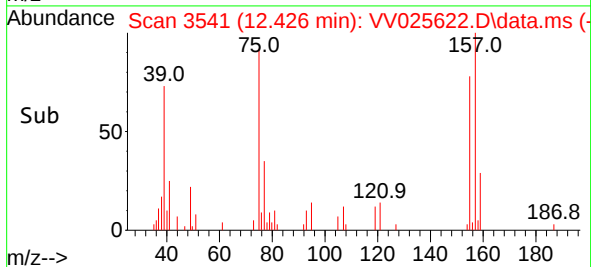
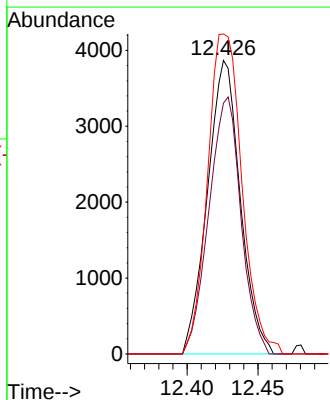
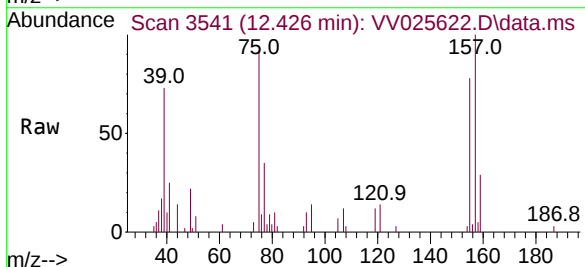
Instrument :
MSVOA_V
ClientSampleId :
VSTD005384

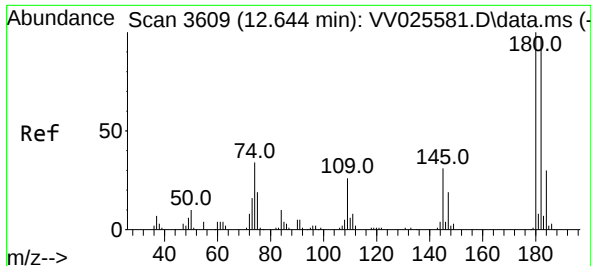
Tgt Ion:146 Resp: 139823
Ion Ratio Lower Upper
146 100
111 40.2 33.6 50.4
148 62.6 50.0 75.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.833 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV025622.D
Acq: 19 Apr 2022 09:37

Tgt Ion: 75 Resp: 6230
Ion Ratio Lower Upper
75 100
155 85.4 65.8 98.8
157 109.0 86.6 130.0

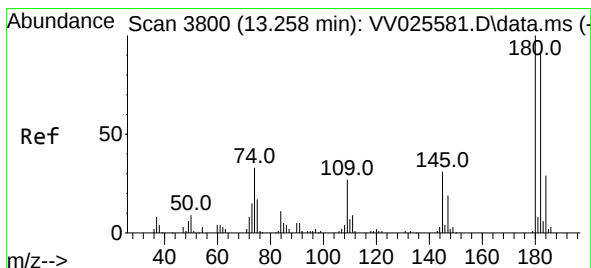
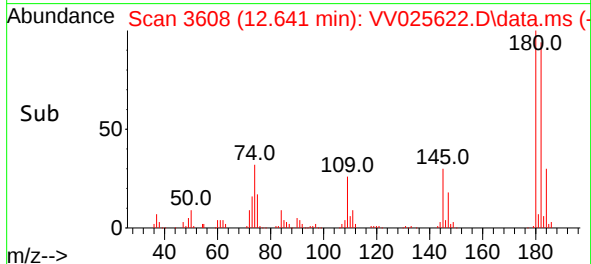
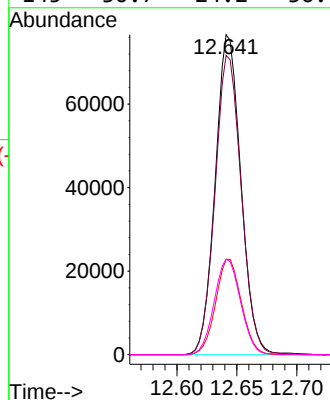
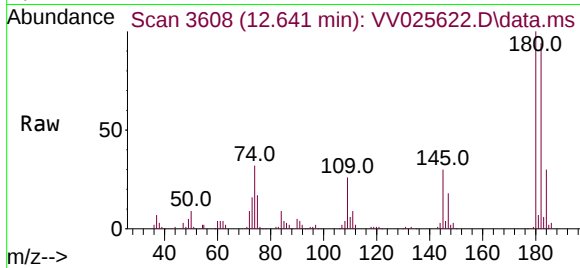




#69
 1,3,5-Trichlorobenzene
 Concen: 4.567 ug/L
 RT: 12.641 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

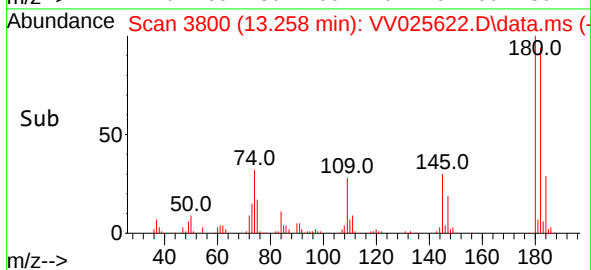
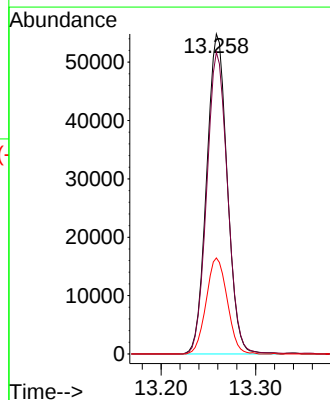
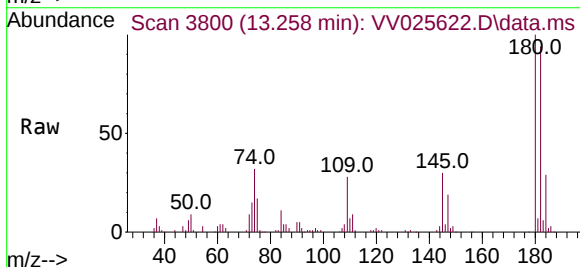
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005384

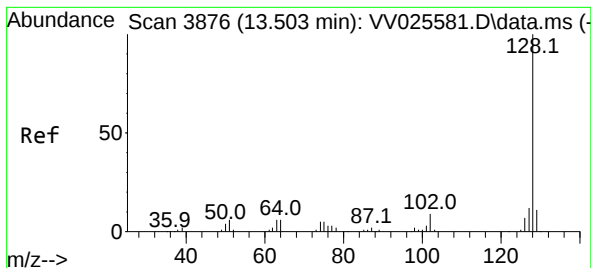
Tgt Ion:180	Resp:	113649
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.3 112.9
184	29.9	23.4 35.2
145	30.7	24.2 36.4



#70
 1,2,4-trichlorobenzene
 Concen: 4.329 ug/L
 RT: 13.258 min Scan# 3800
 Delta R.T. -0.000 min
 Lab File: VV025622.D
 Acq: 19 Apr 2022 09:37

Tgt Ion:180	Resp:	83054
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.6 114.8
145	30.6	24.6 36.8





#71

Naphthalene

Concen: 4.123 ug/L

RT: 13.500 min Scan# 3876

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005384

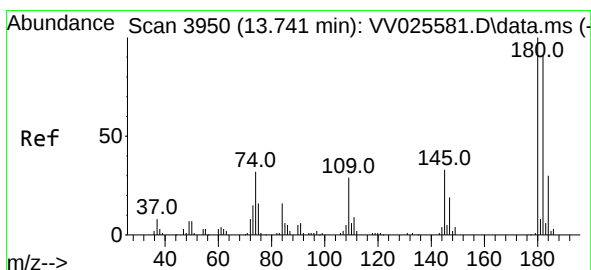
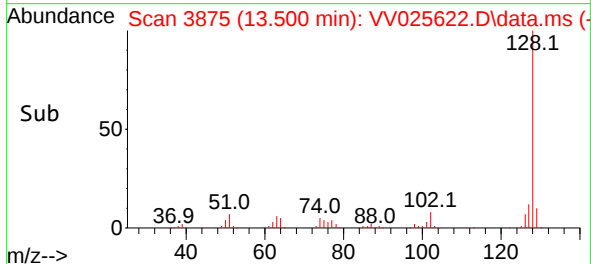
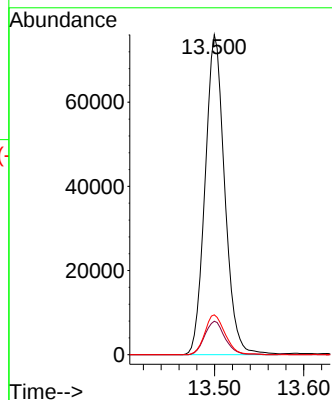
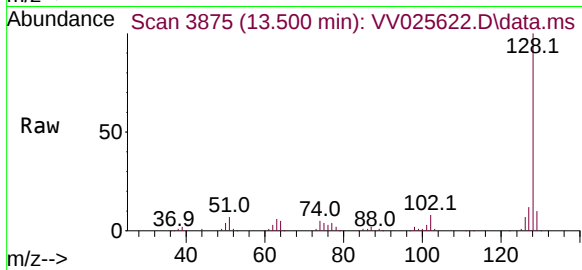
Tgt Ion:128 Resp: 116048

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.523 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV025622.D

Acq: 19 Apr 2022 09:37

Tgt Ion:180 Resp: 71854

Ion Ratio Lower Upper

180 100

182 93.7 77.7 116.5

145 32.7 27.4 41.2

