

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022223\
 Data File : VW025348.D
 Acq On : 22 Feb 2023 09:21
 Operator : SY/MD
 Sample : VSTD00526
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005426

Quant Time: Feb 22 20:58:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022223SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 22 20:57:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	366961	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	317987	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	162955	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	17039	5.485	ug/L	0.00
7) Chloroethane-d5	2.899	69	11847	5.252	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.027	63	41291	5.121	ug/L	0.00
21) 2-Butanone-d5	7.081	46	3103	4.395	ug/L	0.00
24) Chloroform-d	7.648	84	35503	5.044	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.313	65	18151	4.971	ug/L	0.00
32) Benzene-d6	8.276	84	70233	5.212	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	19144	5.062	ug/L	0.00
41) Toluene-d8	10.319	98	63511	5.055	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	8327	4.833	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	4527	8.207	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	13394	4.731	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.849	152	19466	4.703	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.235	85	228	0.052	ug/L	99
3) Chloromethane	2.223	50	19939	4.814	ug/L	97
5) Vinyl chloride	2.375	62	24611	5.113	ug/L	100
6) Bromomethane	2.790	94	15427	5.047	ug/L	97
8) Chloroethane	2.936	64	14007	4.973	ug/L	85
9) Trichlorofluoromethane	3.271	101	27974	4.789	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	22805	4.641	ug/L #	86
12) 1,1-Dichloroethene	4.051	96	23898	5.054	ug/L	91
13) Acetone	4.125	43	9734	8.338	ug/L	94
14) Carbon disulfide	4.393	76	76974	4.991	ug/L	99
15) Methyl Acetate	4.686	43	8718	4.696	ug/L	96
16) Methylene chloride	4.923	84	26735	5.152	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	24415	4.926	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	31891	4.555	ug/L	98
19) 1,1-Dichloroethane	6.222	63	44747	5.024	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	25315	4.860	ug/L	98
22) 2-Butanone	7.173	43	10385	7.744	ug/L	95
23) Bromochloromethane	7.520	128	11494	5.172	ug/L #	88
25) Chloroform	7.679	83	45688	4.984	ug/L	96
27) 1,2-Dichloroethane	8.398	62	30615	4.952	ug/L	98
29) Cyclohexane	7.965	56	38994	4.871	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	42352	5.141	ug/L	99
31) Carbon tetrachloride	8.075	117	39952	5.153	ug/L	97
33) Benzene	8.325	78	99715	5.129	ug/L	100
34) Trichloroethene	9.093	95	28394	5.229	ug/L	99
35) Methylcyclohexane	9.337	83	46933	4.932	ug/L	99
37) 1,2-Dichloropropane	9.368	63	24043	5.112	ug/L	99
38) Bromodichloromethane	9.648	83	32155	5.040	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	36459	4.738	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	20969	8.764	ug/L	98
42) Toluene	10.386	91	105897	5.059	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	29662	4.586	ug/L	98

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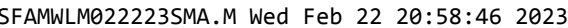
Quant Time: Feb 22 20:58:38 2023
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 Quant Title : SFAM01.0
 QLast Update : Wed Feb 22 20:57:11 2023
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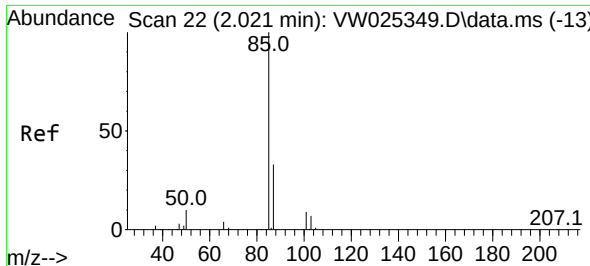
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.788	97	17652	5.032	ug/L	98
46) Tetrachloroethene	10.861	164	21035	5.130	ug/L	92
48) 2-Hexanone	10.971	43	14841	8.311	ug/L	99
49) Dibromochloromethane	11.129	129	19432	4.796	ug/L	95
50) 1,2-Dibromoethane	11.233	107	15912	4.732	ug/L #	95
51) Chlorobenzene	11.660	112	69264	5.153	ug/L	94
52) Ethylbenzene	11.727	91	118912	4.902	ug/L	96
53) m,p-Xylene	11.837	106	45631	4.951	ug/L	94
54) o-Xylene	12.166	106	42219	4.955	ug/L	94
55) Styrene	12.178	104	71140	4.910	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	19035	4.753	ug/L	98
59) Bromoform	12.349	173	10244	4.199	ug/L	97
60) Isopropylbenzene	12.465	105	118964	4.464	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	14411	4.464	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	95622	4.467	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	94692	4.673	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	51954	4.985	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	51945	4.972	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	45556	4.767	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.476	75	3099	4.154	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	33451	4.689	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	28183	4.553	ug/L	96
71) Naphthalene	15.360	128	48491	4.074	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	23617	4.493	ug/L	97

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

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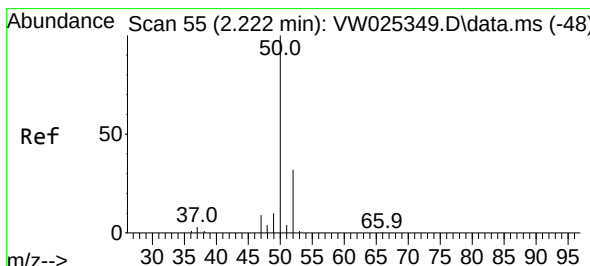
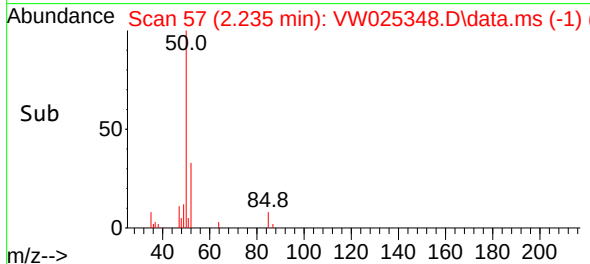
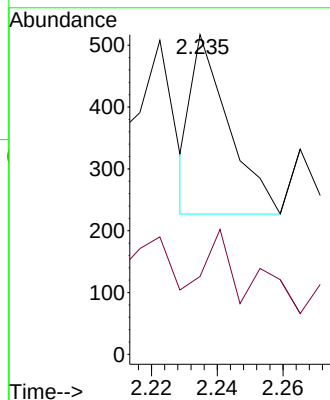
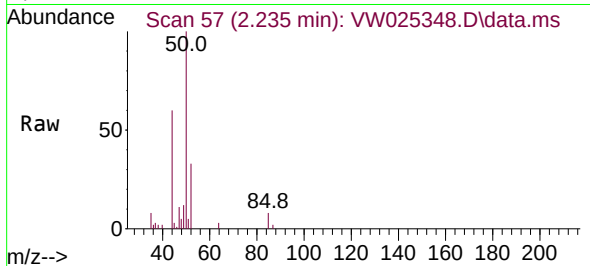




#2
 Dichlorodifluoromethane
 Concen: 0.052 ug/L
 RT: 2.235 min Scan# 51
 Delta R.T. 0.214 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

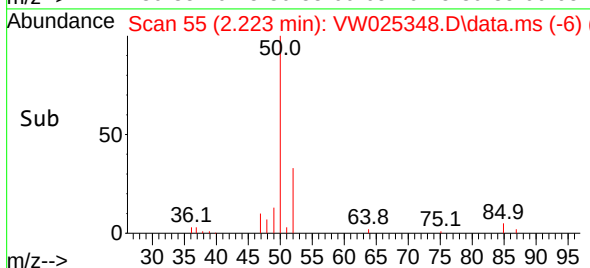
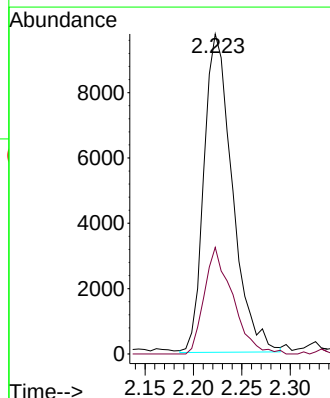
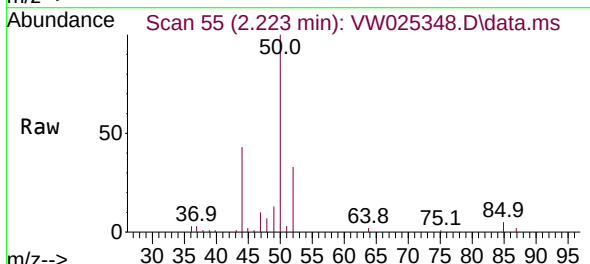
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005426

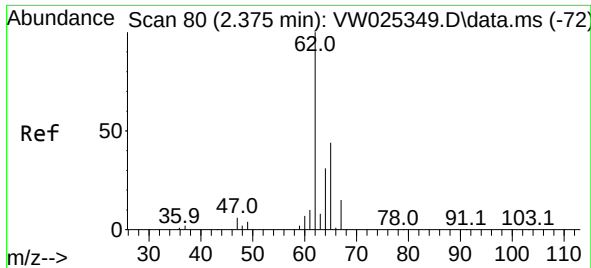
Tgt Ion: 85 Resp: 228
 Ion Ratio Lower Upper
 85 100
 87 26.3 20.6 30.8



#3
 Chloromethane
 Concen: 4.814 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

Tgt Ion: 50 Resp: 19939
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.3 41.3

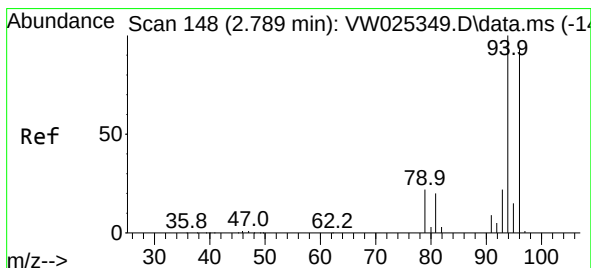
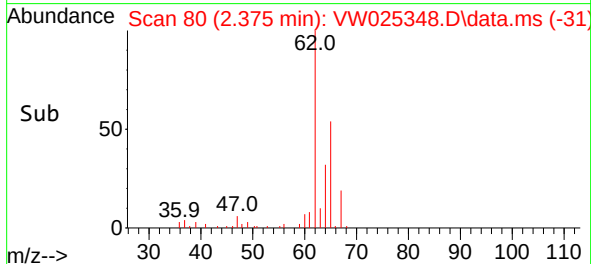
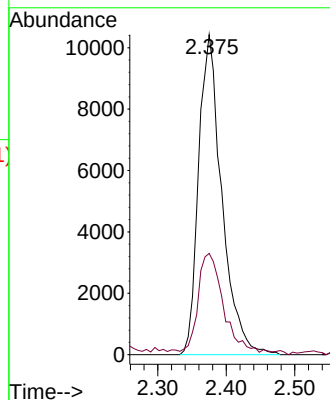
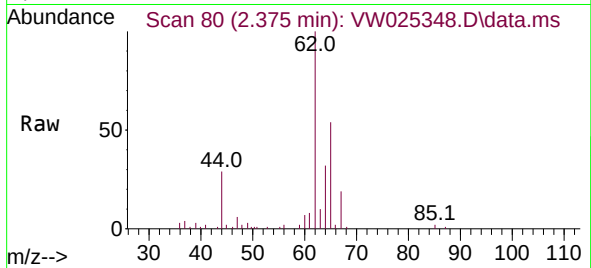




#5
 Vinyl chloride
 Concen: 5.113 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

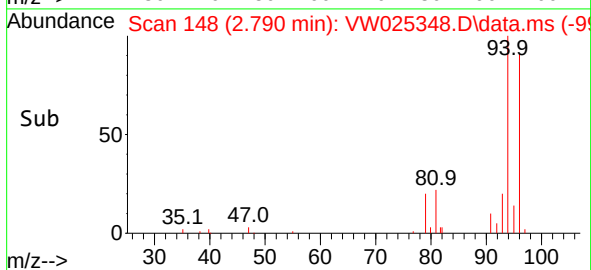
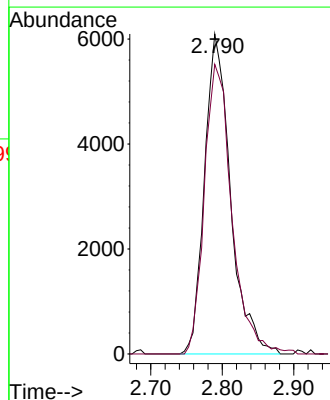
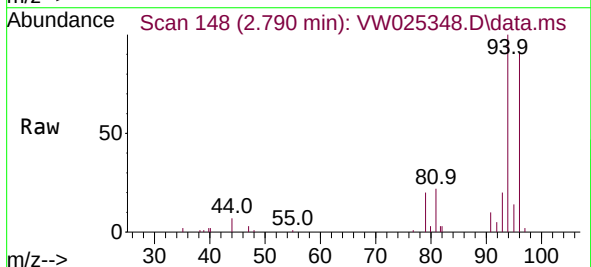
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 ClientSampleId :
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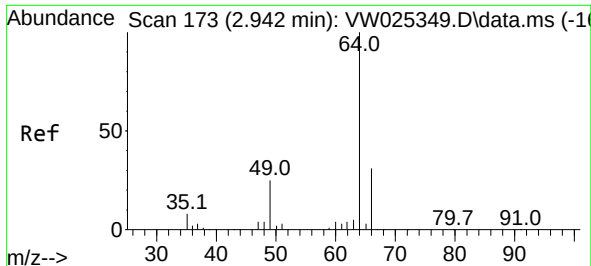
Tgt Ion: 62 Resp: 24611
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.2 41.2



#6
 Bromomethane
 Concen: 5.047 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

Tgt Ion: 94 Resp: 15427
 Ion Ratio Lower Upper
 94 100
 96 90.5 65.2 121.0

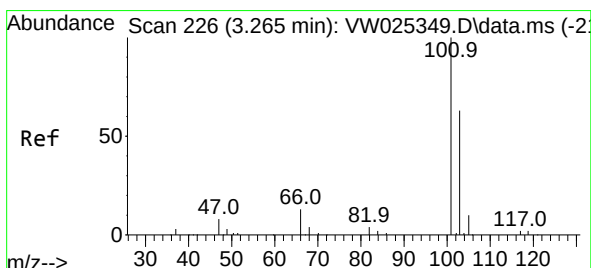
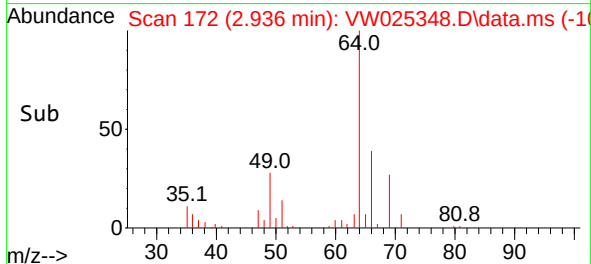
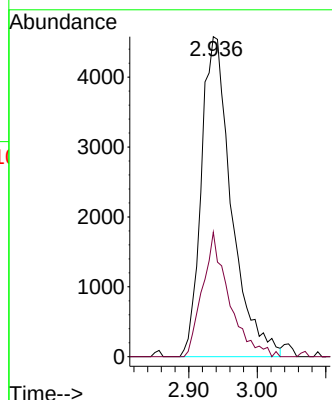
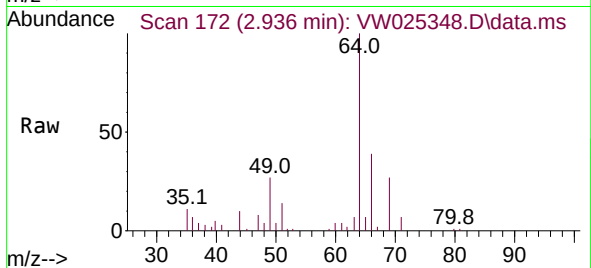




#8
Chloroethane
Concen: 4.973 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

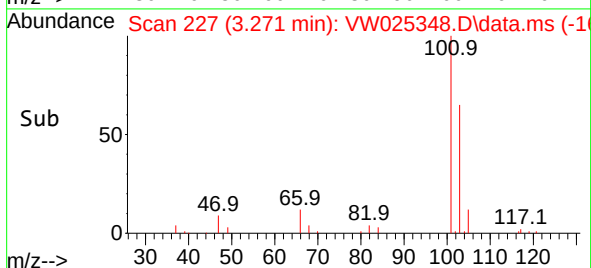
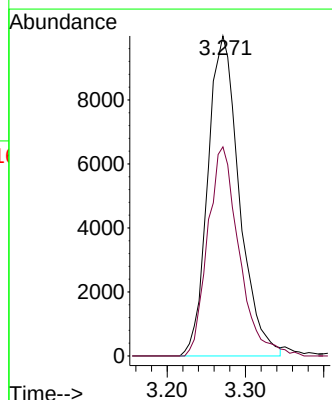
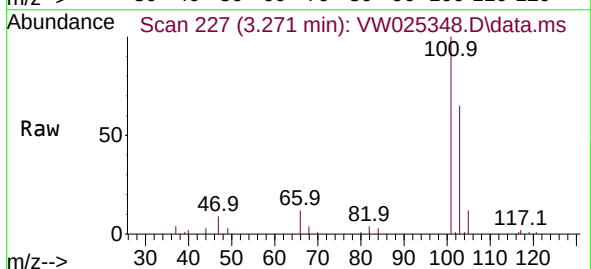
Instrument :
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ClientSampleId :
VSTD005426

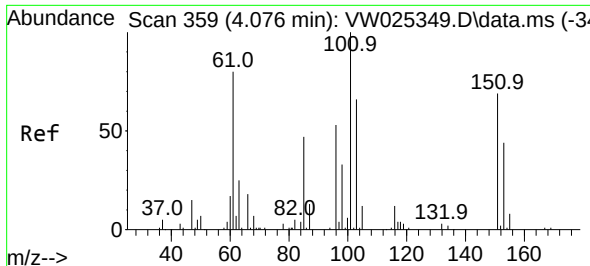
Tgt Ion: 64 Resp: 14007
Ion Ratio Lower Upper
64 100
66 38.9 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.789 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion:101 Resp: 27974
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0

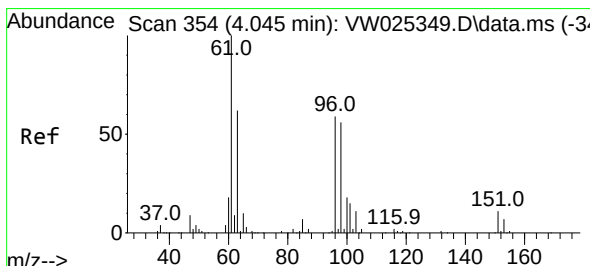
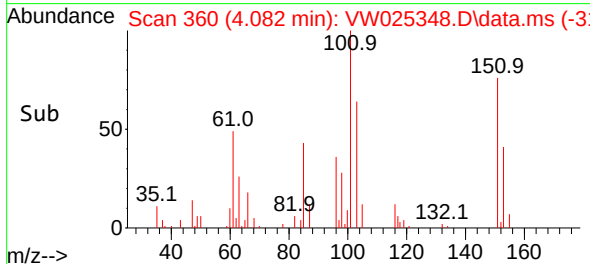
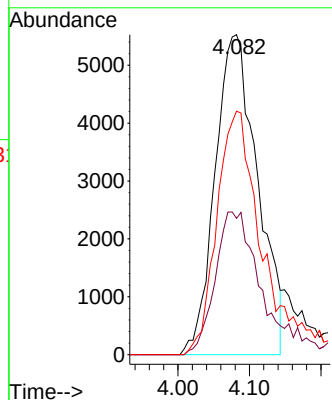
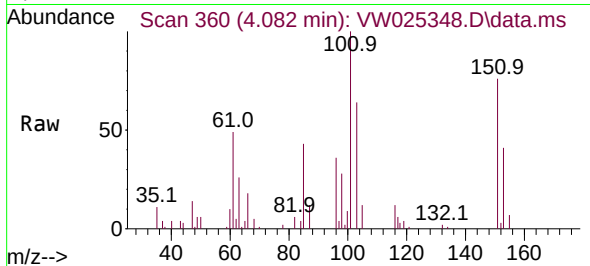




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.641 ug/L
 RT: 4.082 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

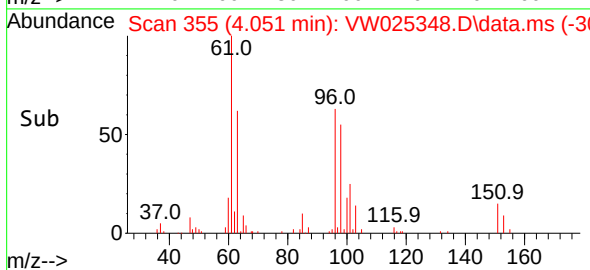
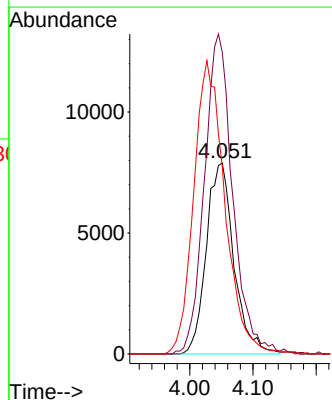
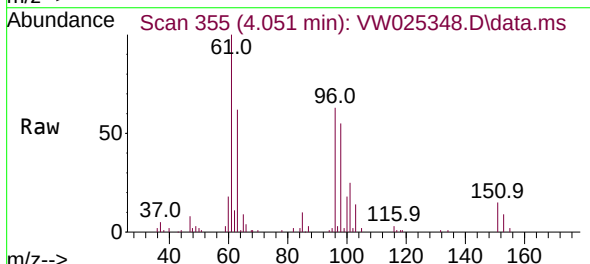
Instrument :
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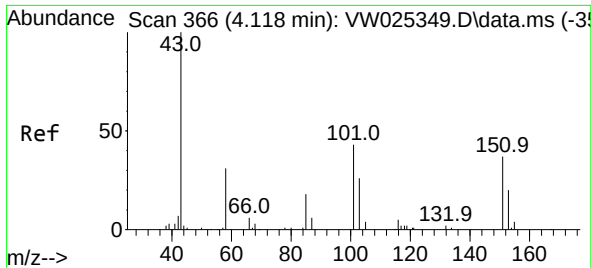
Tgt Ion:101 Resp: 22805
 Ion Ratio Lower Upper
 101 100
 85 23.6 36.3 54.5#
 151 65.1 52.2 78.4



#12
 1,1-Dichloroethene
 Concen: 5.054 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW025348.D
 Acq: 22 Feb 2023 09:21

Tgt Ion: 96 Resp: 23898
 Ion Ratio Lower Upper
 96 100
 61 157.9 119.3 221.5
 63 98.4 74.5 138.5





#13

Acetone

Concen: 8.338 ug/L

RT: 4.125 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

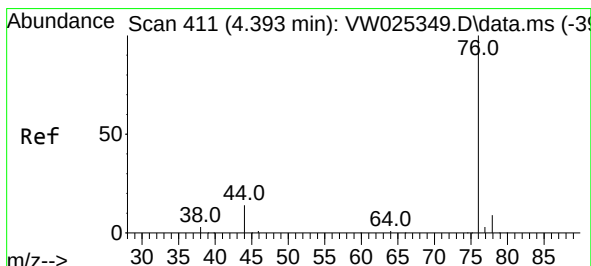
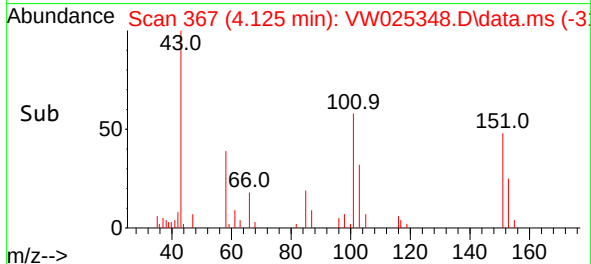
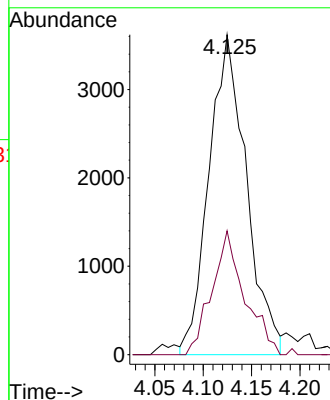
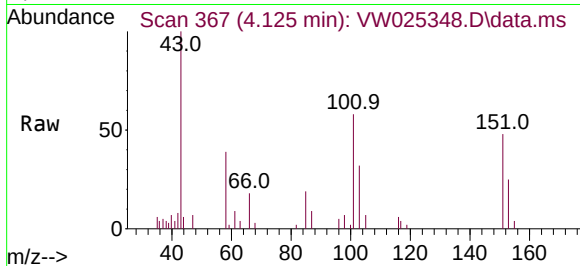
VSTD005426

Tgt Ion: 43 Resp: 9734

Ion Ratio Lower Upper

43 100

58 33.8 0.0 61.6



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW025348.D

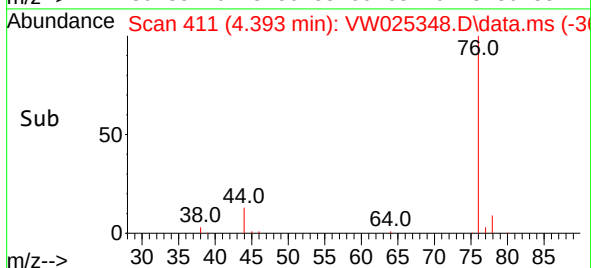
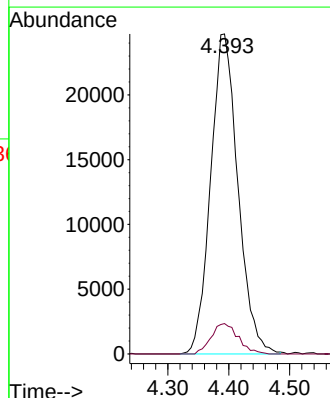
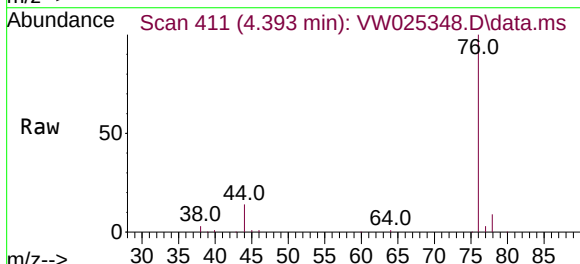
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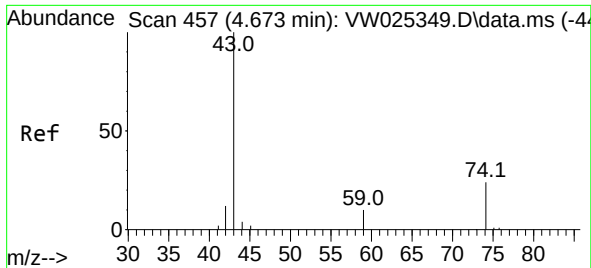
Tgt Ion: 76 Resp: 76974

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

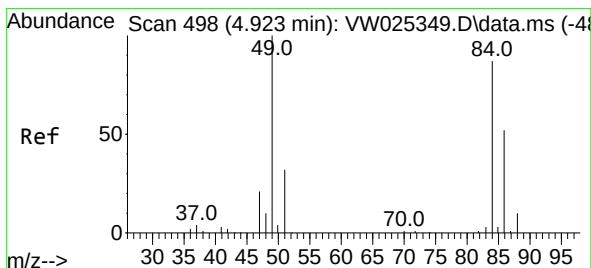
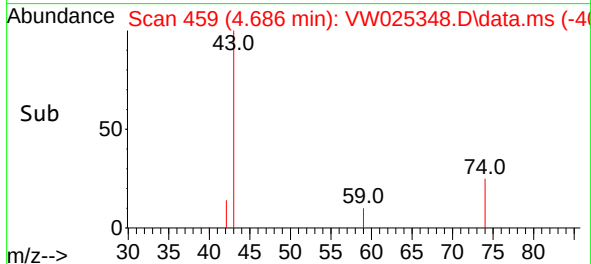
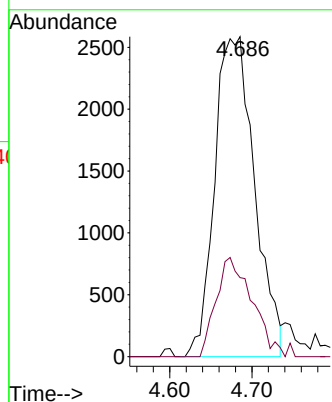
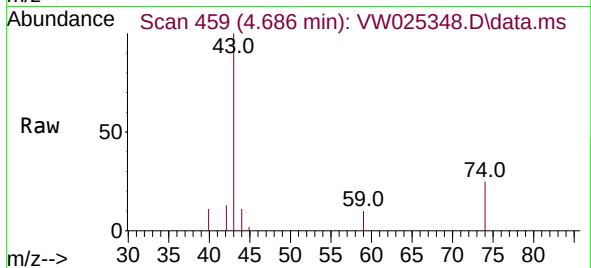




#15
Methyl Acetate
Concen: 4.696 ug/L
RT: 4.686 min Scan# 41
Delta R.T. 0.013 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

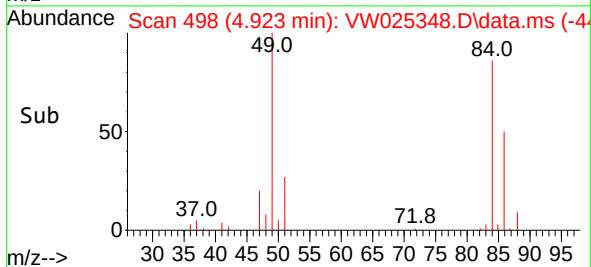
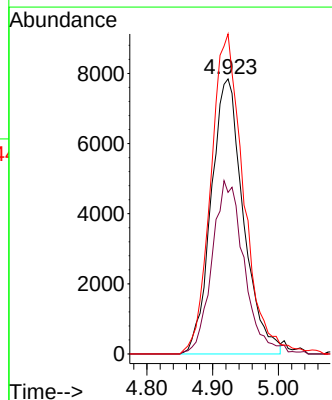
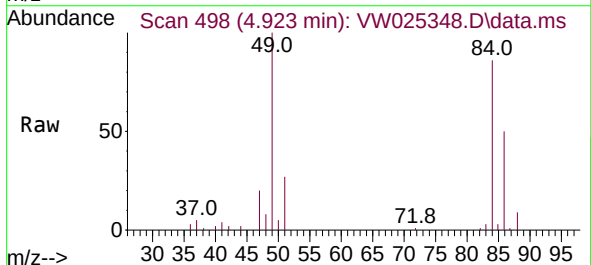
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

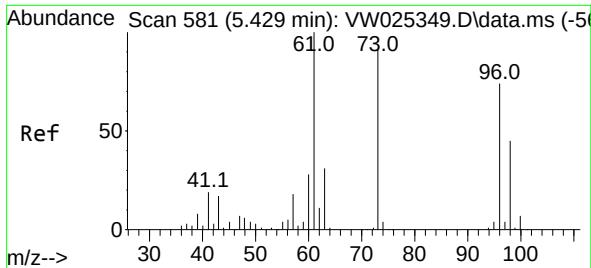
Tgt Ion: 43 Resp: 8718
Ion Ratio Lower Upper
43 100
74 27.2 20.2 30.4



#16
Methylene chloride
Concen: 5.152 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 84 Resp: 26735
Ion Ratio Lower Upper
84 100
86 58.7 41.8 77.6
49 116.3 80.3 149.1

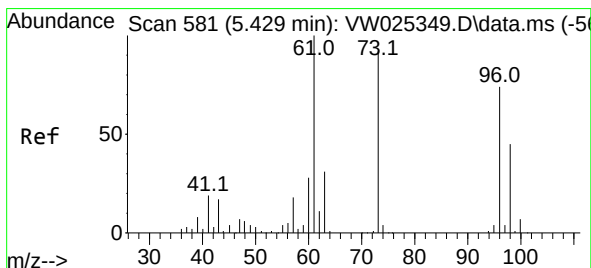
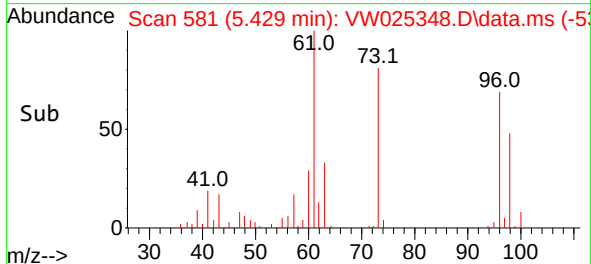
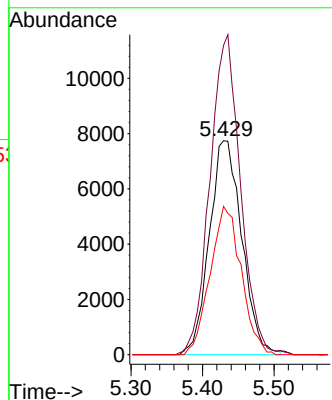
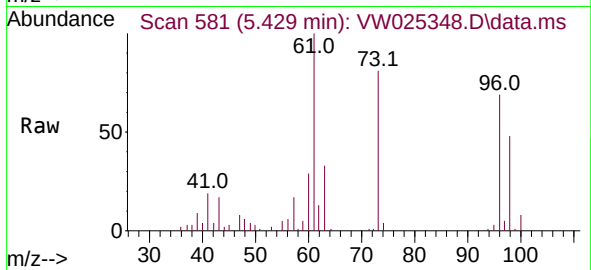




#17
trans-1,2-Dichloroethene
Concen: 4.926 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

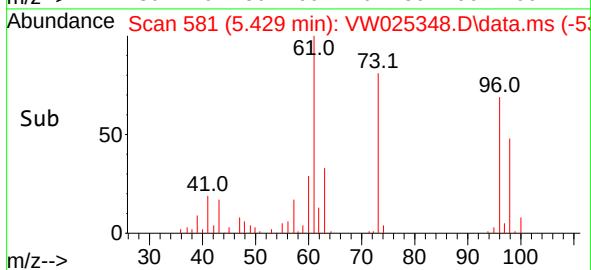
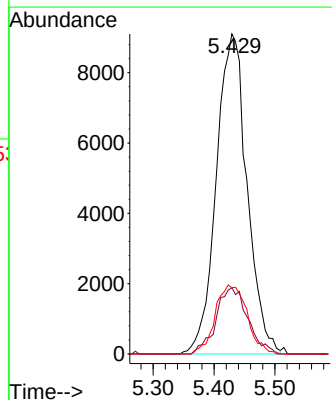
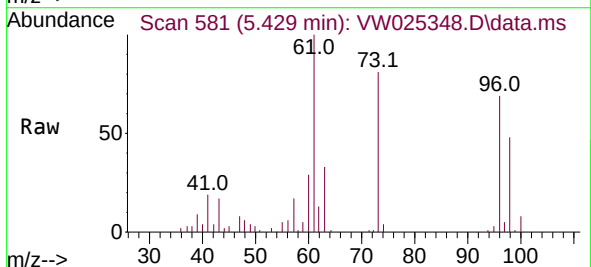
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

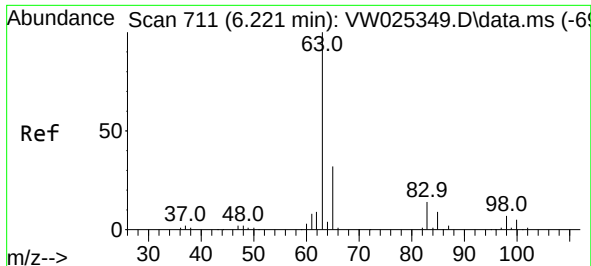
Tgt Ion: 96 Resp: 24415
Ion Ratio Lower Upper
96 100
61 144.6 94.8 176.0
98 69.3 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 4.555 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 73 Resp: 31891
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 22.3 16.6 25.0





#19

1,1-Dichloroethane

Concen: 5.024 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

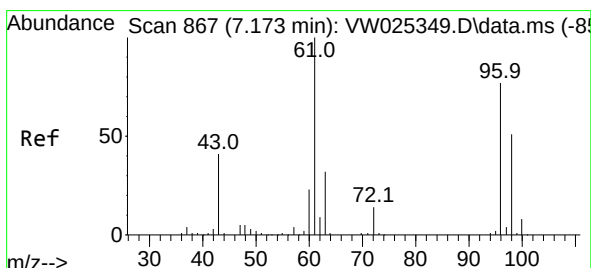
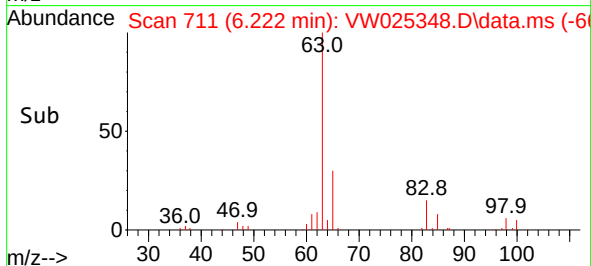
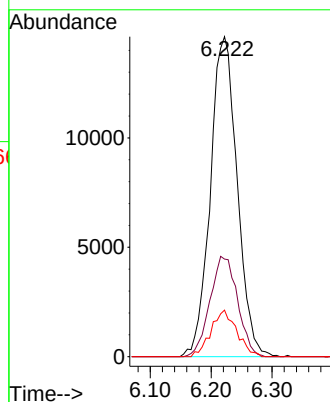
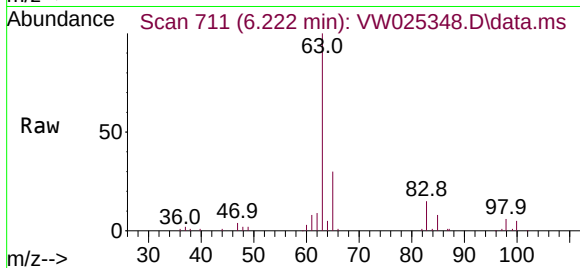
Tgt Ion: 63 Resp: 44747

Ion Ratio Lower Upper

63 100

65 30.5 22.1 41.1

83 14.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 4.860 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

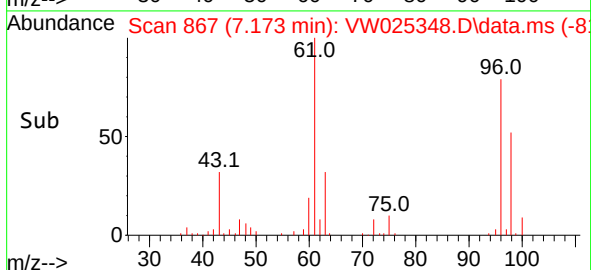
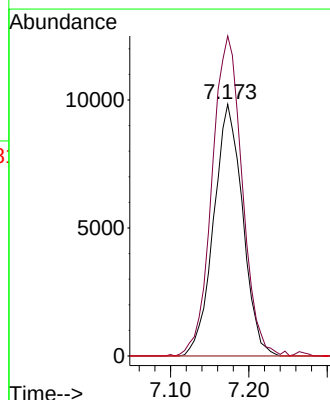
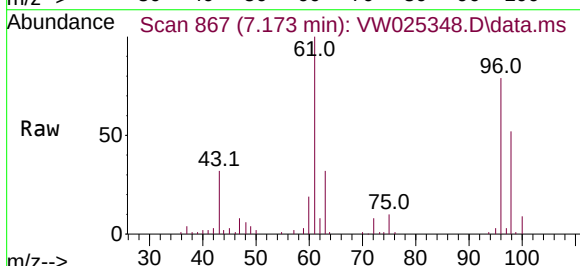
Tgt Ion: 96 Resp: 25315

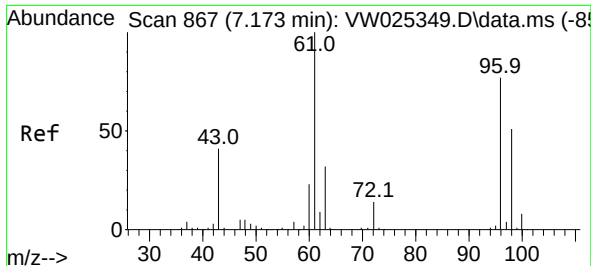
Ion Ratio Lower Upper

96 100

61 127.1 90.9 168.9

68 0.0 0.0 0.0

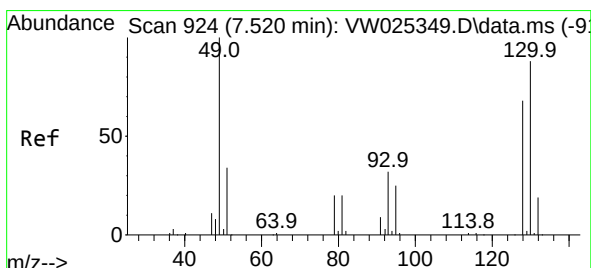
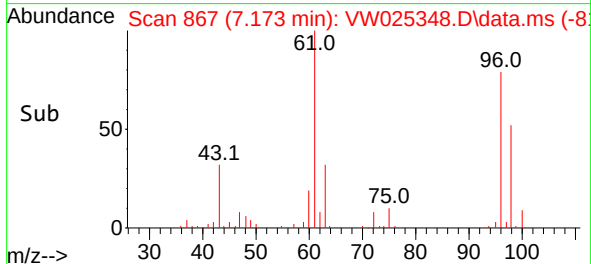
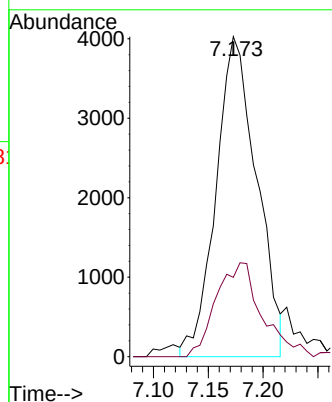
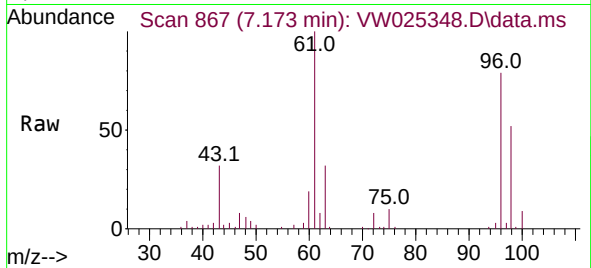




#22
2-Butanone
Concen: 7.744 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

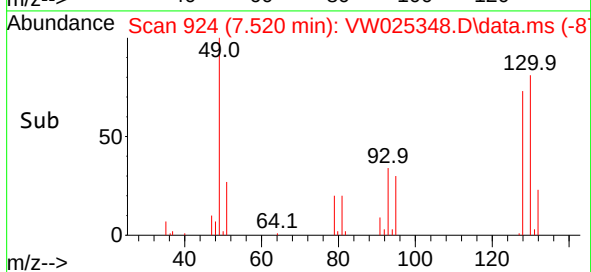
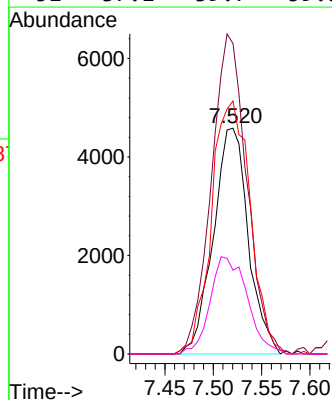
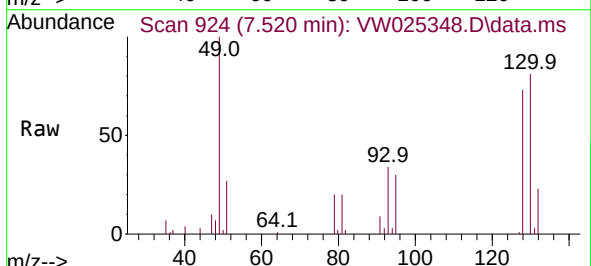
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

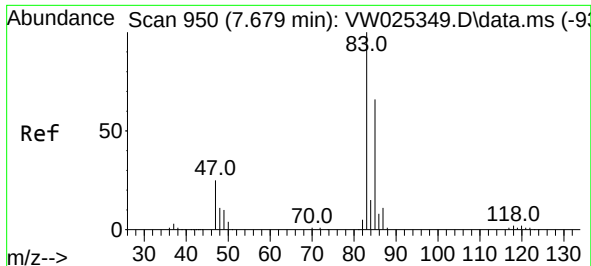
Tgt Ion: 43 Resp: 10385
Ion Ratio Lower Upper
43 100
72 33.0 15.0 45.1



#23
Bromochloromethane
Concen: 5.172 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 128 Resp: 11494
Ion Ratio Lower Upper
128 100
49 137.4 102.4 190.2
130 112.0 90.1 167.3
51 37.1 39.7 59.5#

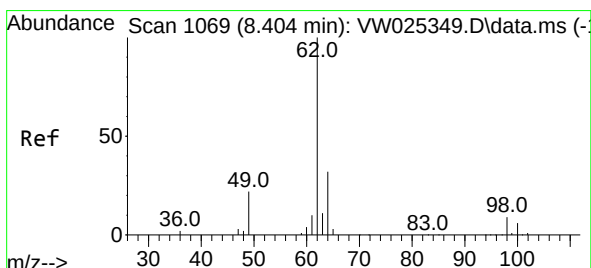
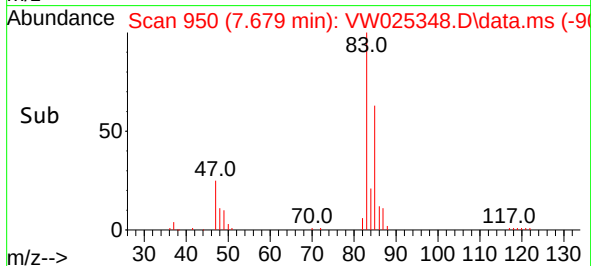
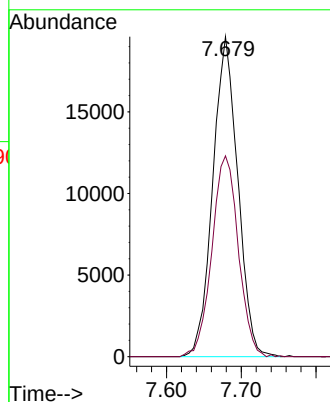
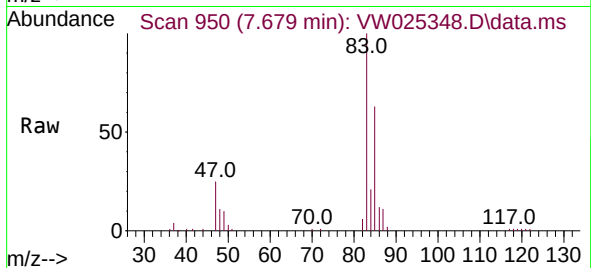




#25
Chloroform
Concen: 4.984 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

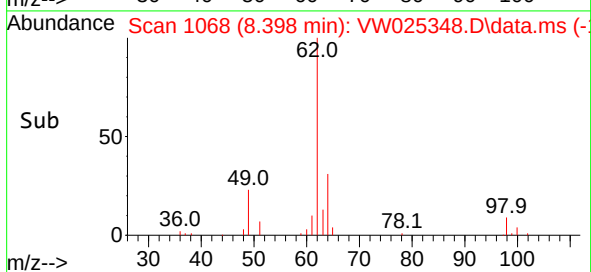
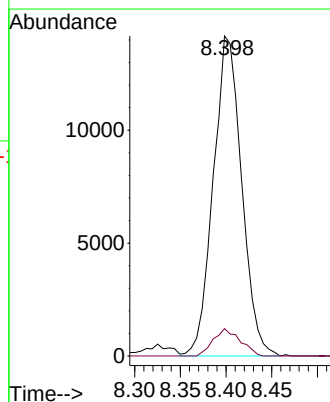
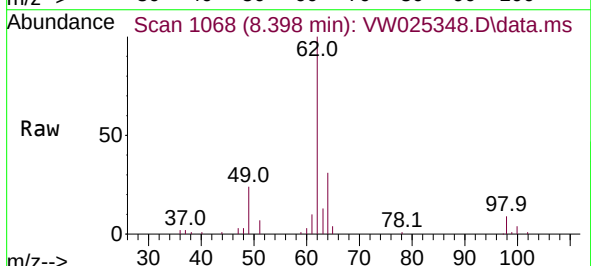
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

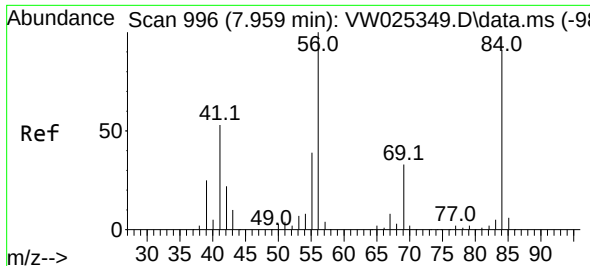
Tgt Ion: 83 Resp: 45688
Ion Ratio Lower Upper
83 100
85 62.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.952 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 62 Resp: 30615
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0

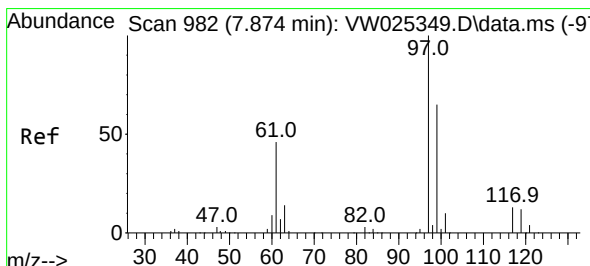
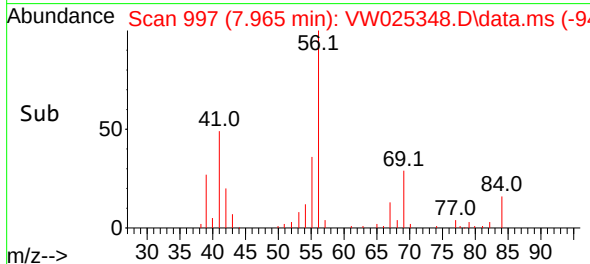
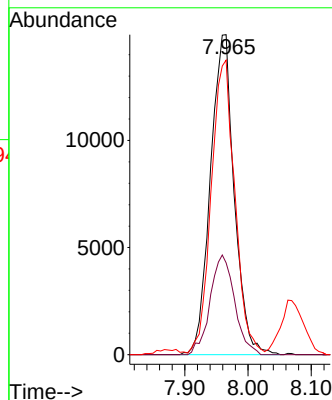
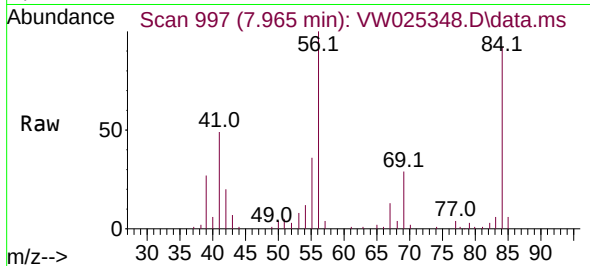




#29
Cyclohexane
Concen: 4.871 ug/L
RT: 7.965 min Scan# 997
Delta R.T. 0.006 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

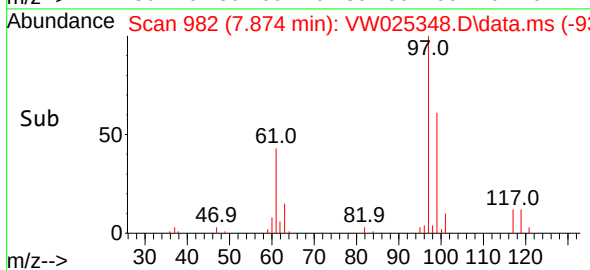
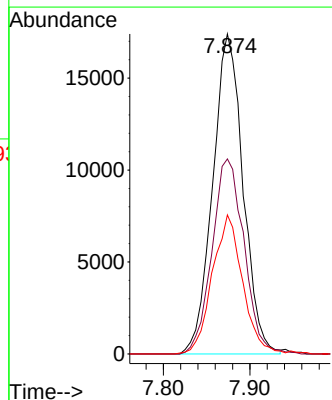
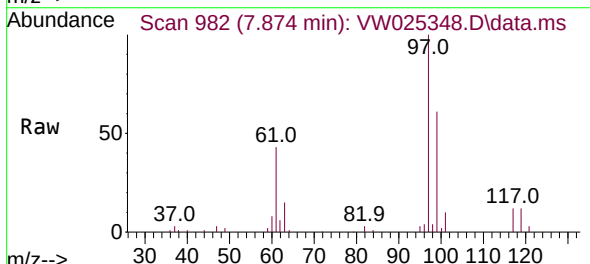
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

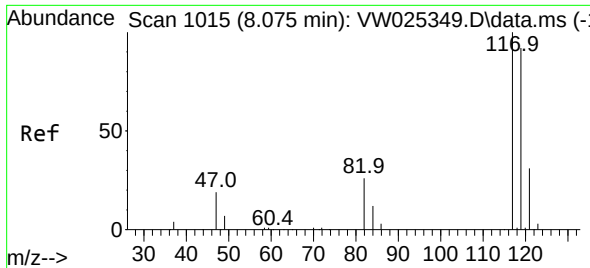
Tgt Ion: 56 Resp: 38994
Ion Ratio Lower Upper
56 100
69 32.0 25.9 38.9
84 91.5 74.6 111.8



#30
1,1,1-Trichloroethane
Concen: 5.141 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 97 Resp: 42352
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 43.3 35.1 52.7

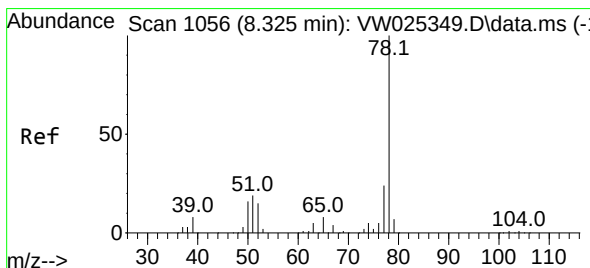
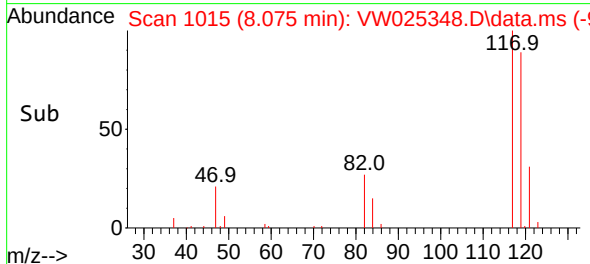
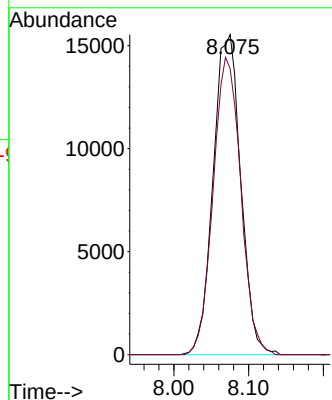
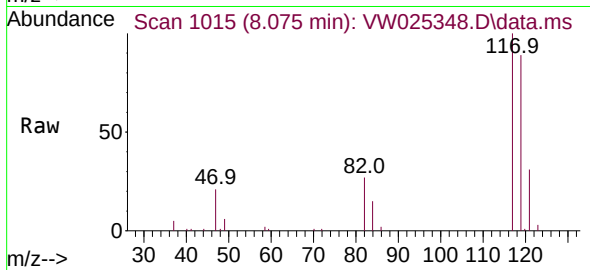




#31
Carbon tetrachloride
Concen: 5.153 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

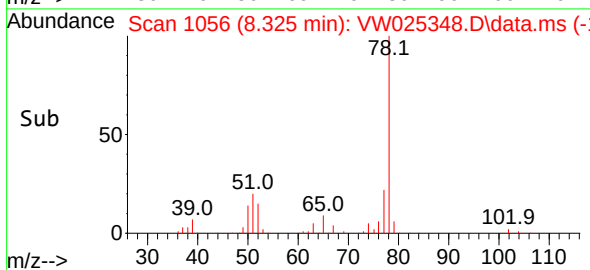
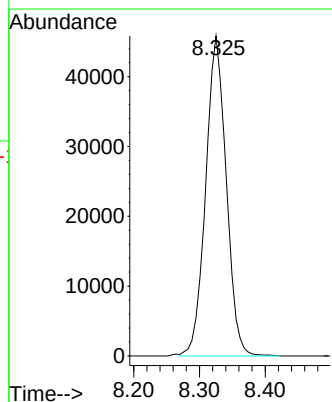
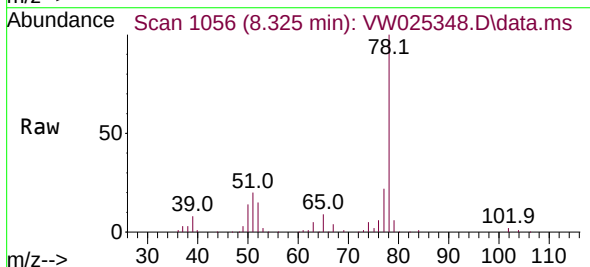
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

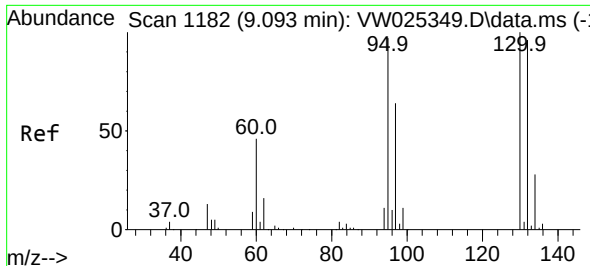
Tgt Ion:117 Resp: 39952
Ion Ratio Lower Upper
117 100
119 93.0 76.3 114.5



#33
Benzene
Concen: 5.129 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion: 78 Resp: 99715





#34

Trichloroethene

Concen: 5.229 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

Tgt Ion: 95 Resp: 28394

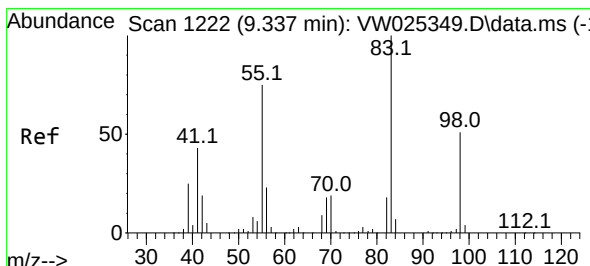
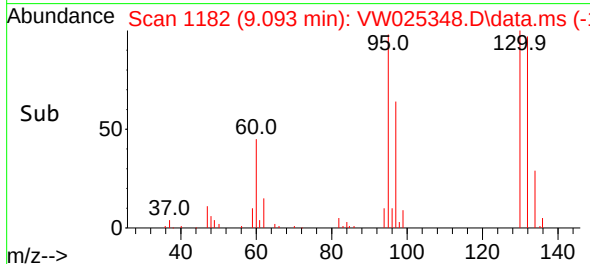
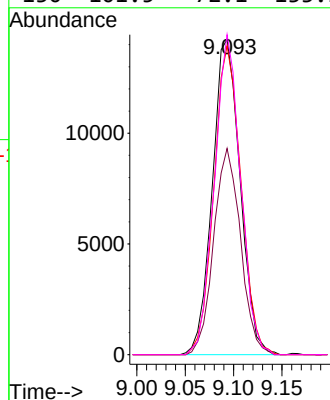
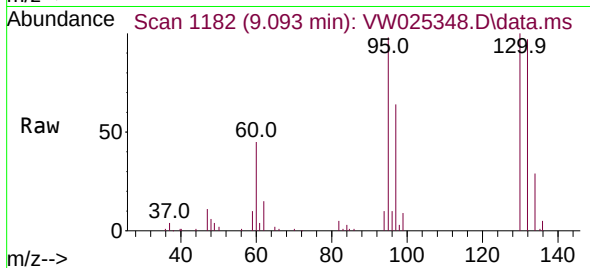
Ion Ratio Lower Upper

95 100

97 65.5 46.3 85.9

132 98.0 69.3 128.7

130 101.5 72.1 133.9



#35

Methylcyclohexane

Concen: 4.932 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

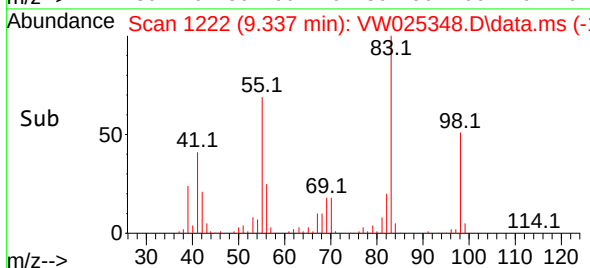
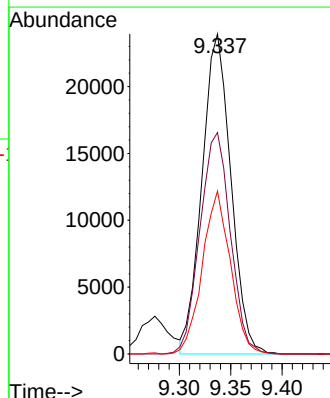
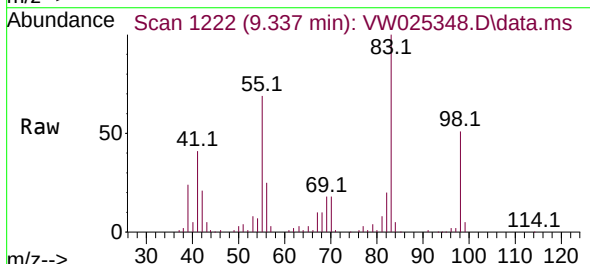
Tgt Ion: 83 Resp: 46933

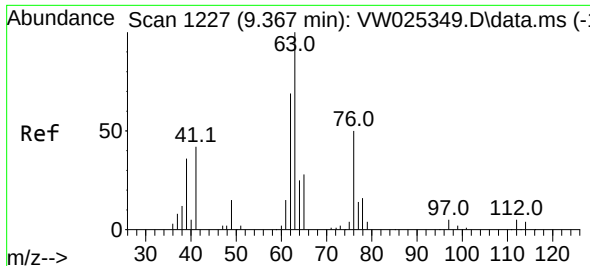
Ion Ratio Lower Upper

83 100

55 72.7 58.4 87.6

98 49.5 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.112 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

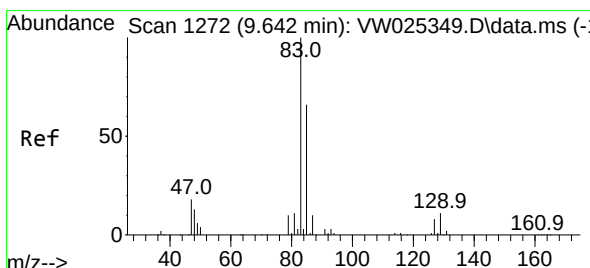
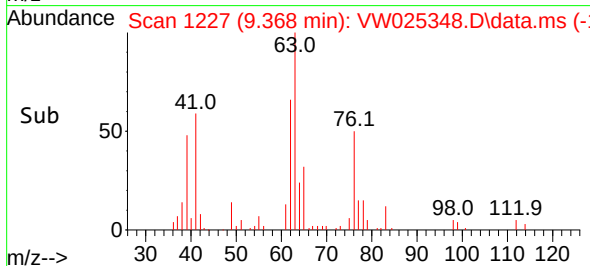
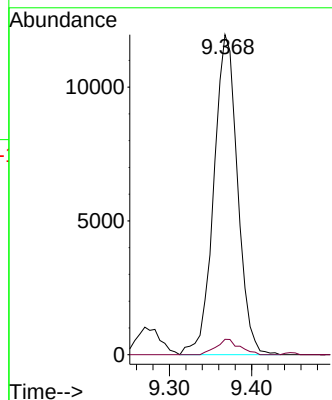
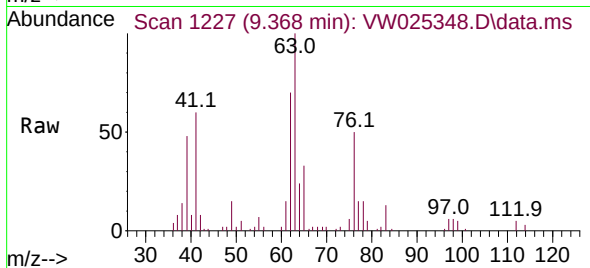
VSTD005426

Tgt Ion: 63 Resp: 24043

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 5.040 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

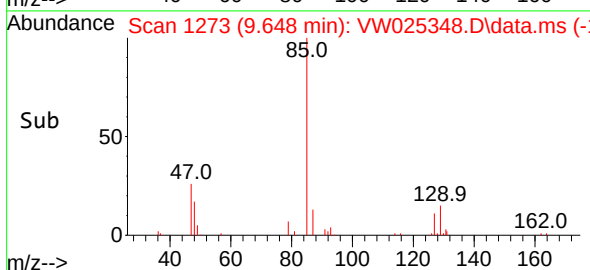
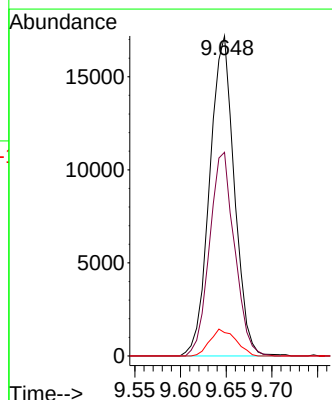
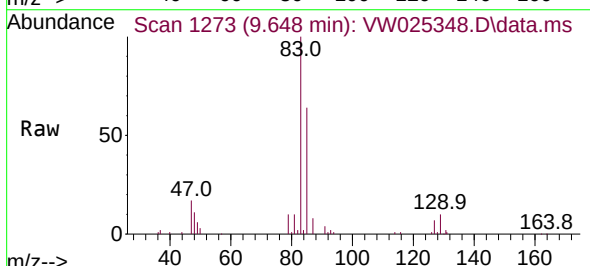
Tgt Ion: 83 Resp: 32155

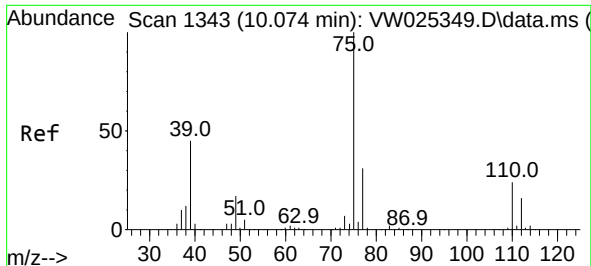
Ion Ratio Lower Upper

83 100

85 63.7 46.0 85.4

127 7.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.738 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

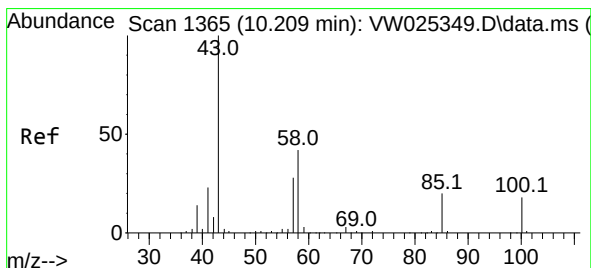
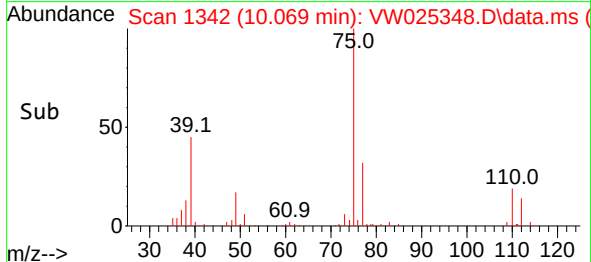
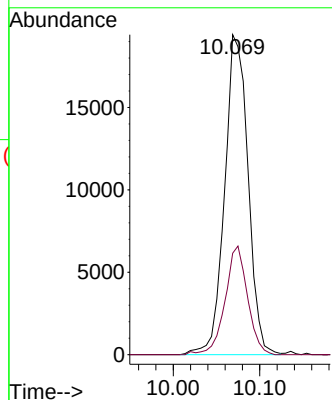
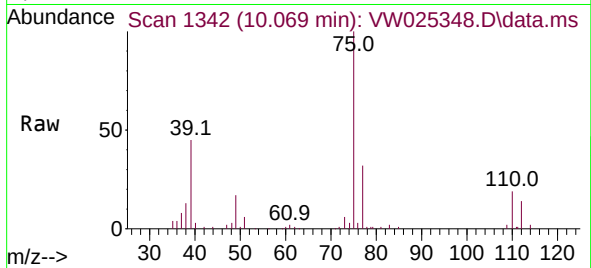
VSTD005426

Tgt Ion: 75 Resp: 36459

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 8.764 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

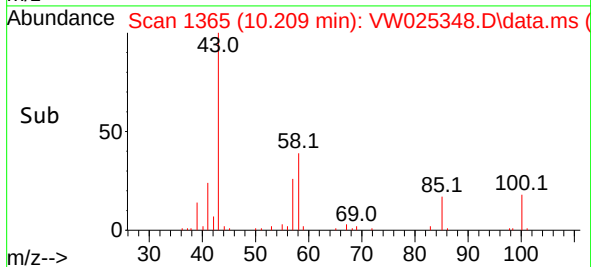
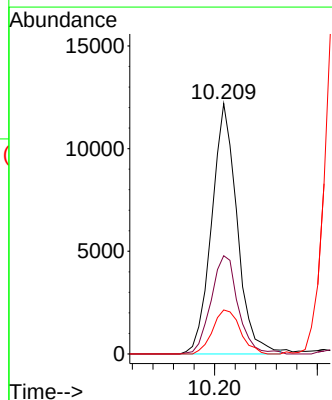
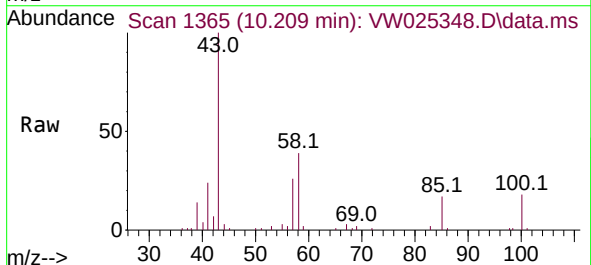
Tgt Ion: 43 Resp: 20969

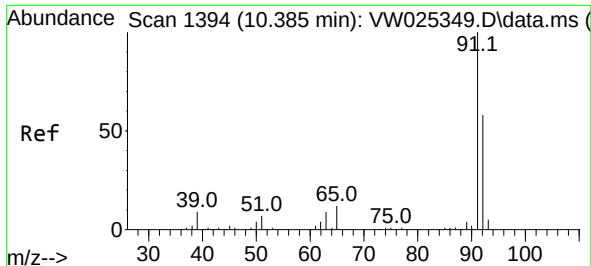
Ion Ratio Lower Upper

43 100

58 41.3 33.9 50.9

100 19.1 14.8 22.2





#42

Toluene

Concen: 5.059 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

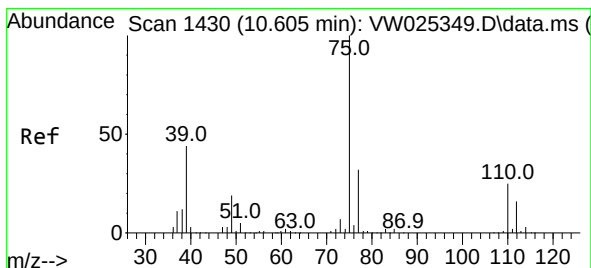
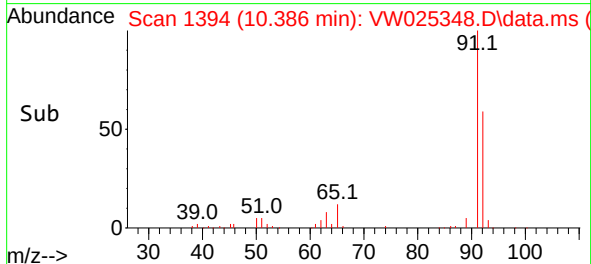
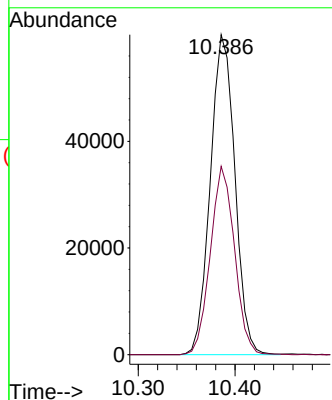
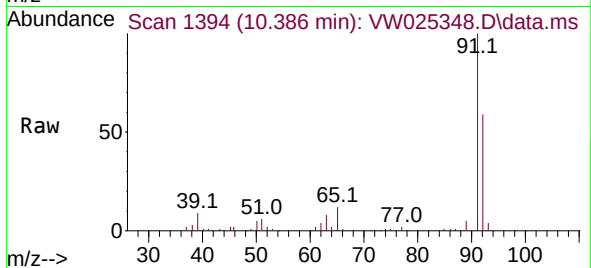
VSTD005426

Tgt Ion: 91 Resp: 105897

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 4.586 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW025348.D

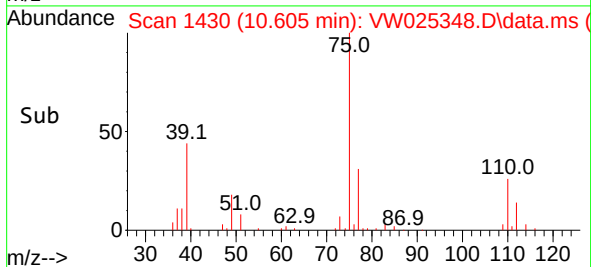
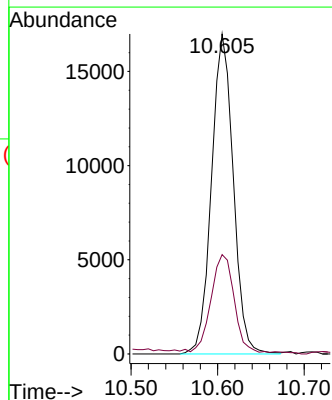
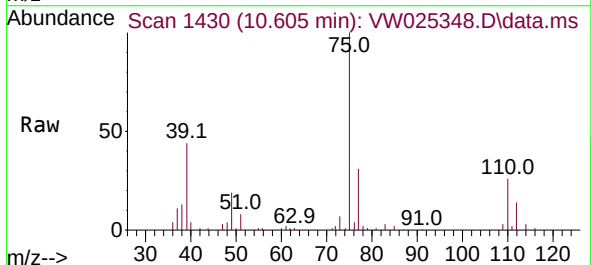
Acq: 22 Feb 2023 09:21

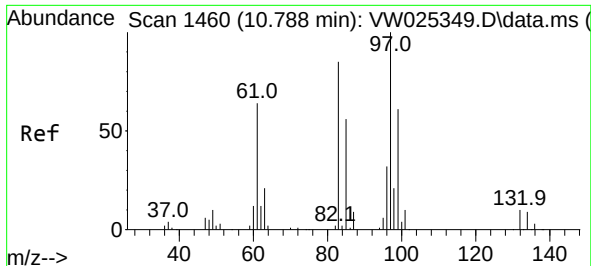
Tgt Ion: 75 Resp: 29662

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 5.032 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

Tgt Ion: 97 Resp: 17652

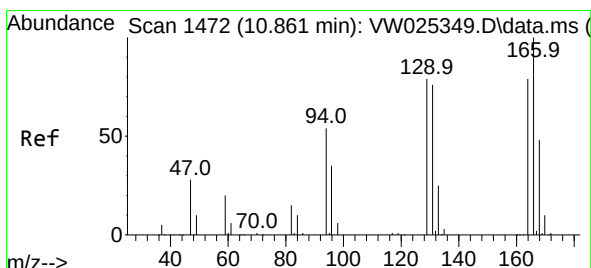
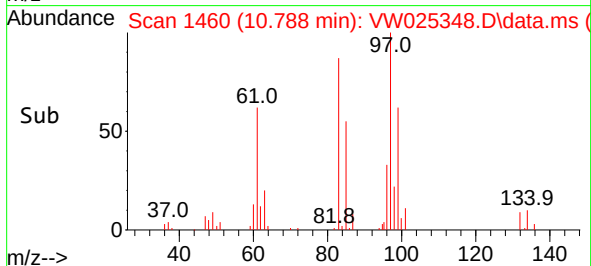
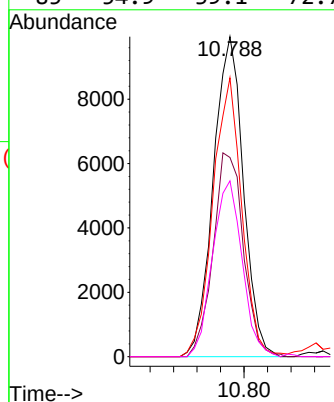
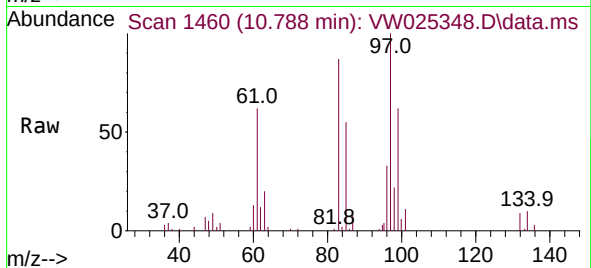
Ion Ratio Lower Upper

97 100

99 62.3 42.6 79.0

83 87.2 59.3 110.1

85 54.9 39.1 72.7



#46

Tetrachloroethene

Concen: 5.130 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Tgt Ion:164 Resp: 21035

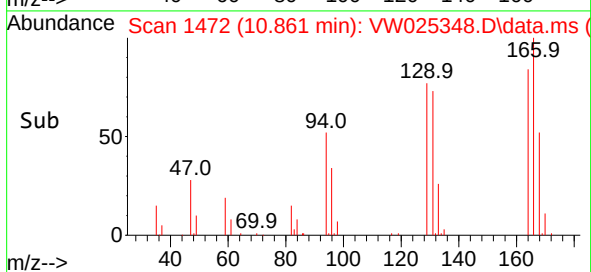
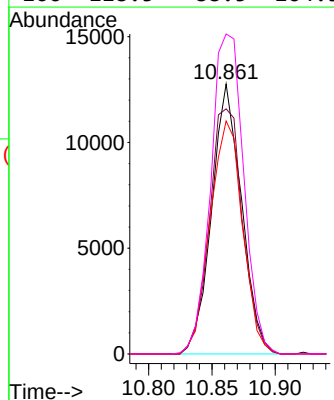
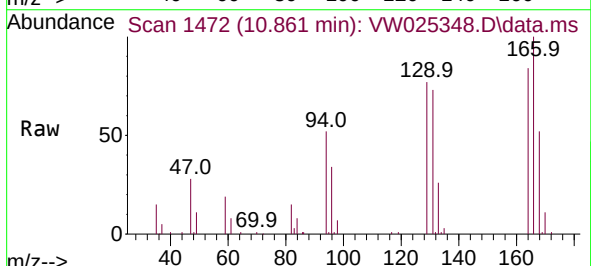
Ion Ratio Lower Upper

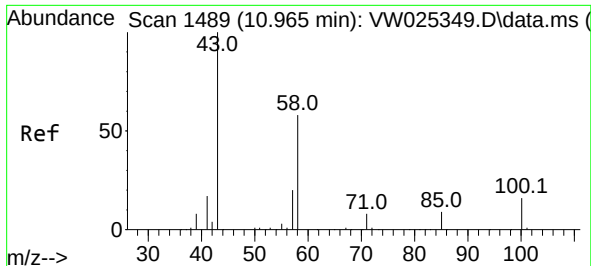
164 100

129 90.8 69.6 129.2

131 86.3 67.4 125.2

166 118.5 88.5 164.3

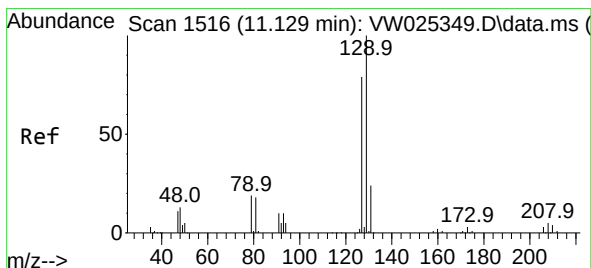
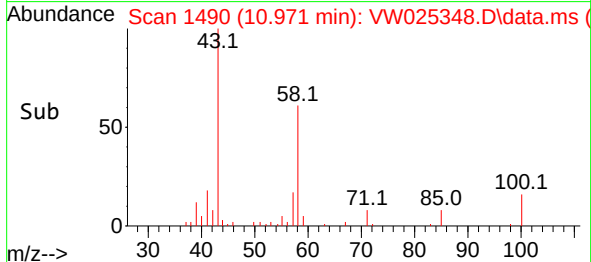
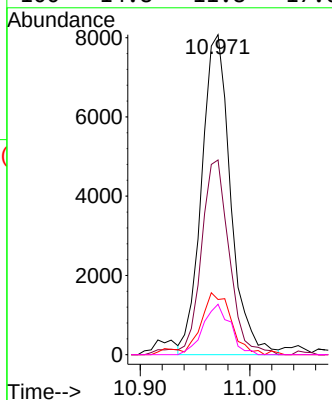
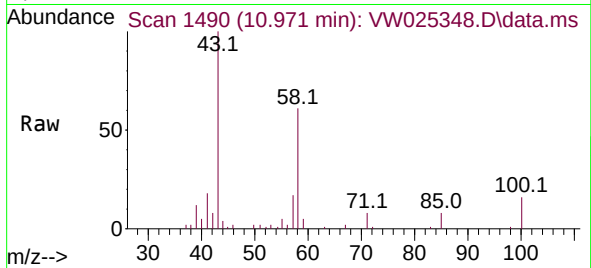




#48
2-Hexanone
Concen: 8.311 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

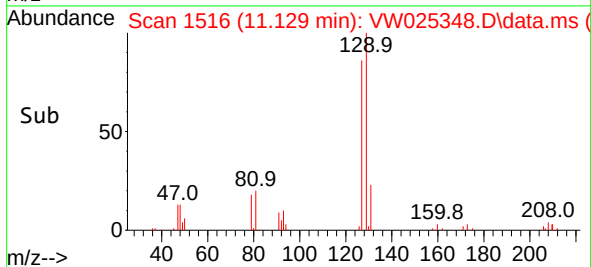
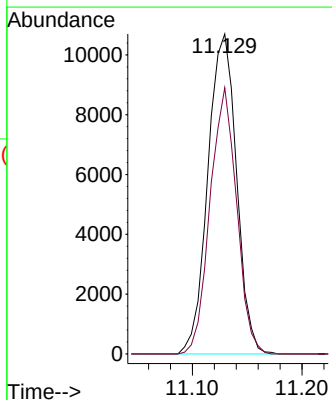
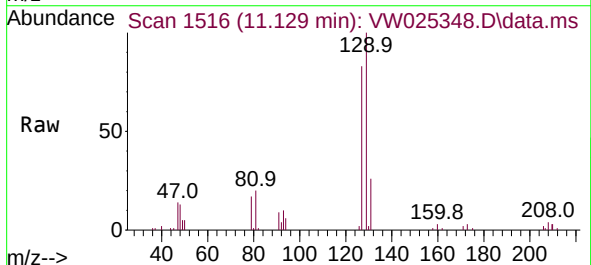
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

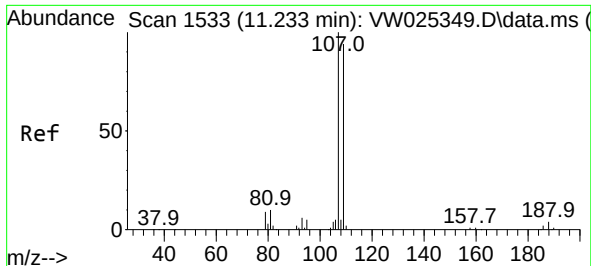
Tgt Ion:	43	Resp:	14841
Ion	Ratio	Lower	Upper
43	100		
58	57.8	47.0	70.4
57	19.7	17.0	25.4
100	14.8	11.8	17.6



#49
Dibromochloromethane
Concen: 4.796 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion:	129	Resp:	19432
Ion	Ratio	Lower	Upper
129	100		
127	83.2	55.3	102.7





#50

1,2-Dibromoethane

Concen: 4.732 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

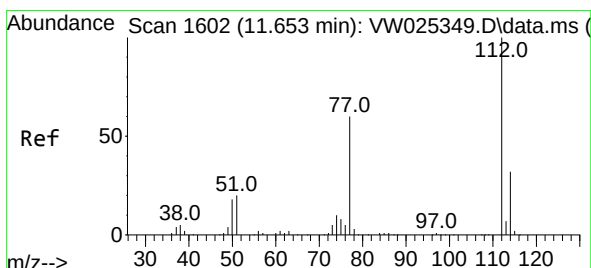
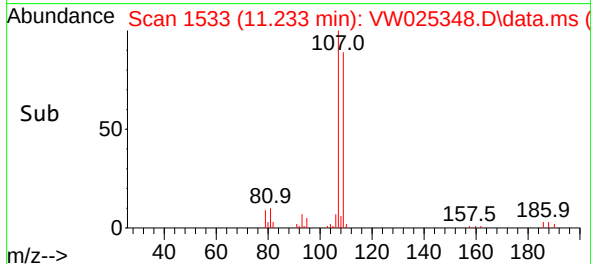
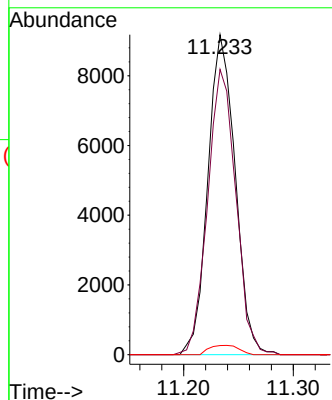
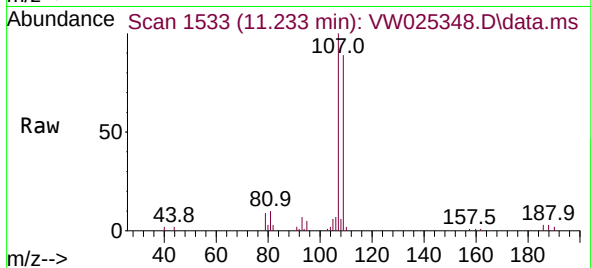
Tgt Ion:107 Resp: 15912

Ion Ratio Lower Upper

107 100

109 89.2 65.9 122.5

188 2.8 2.9 4.3#



#51

Chlorobenzene

Concen: 5.153 ug/L

RT: 11.660 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

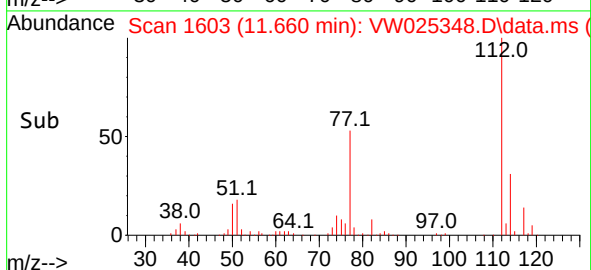
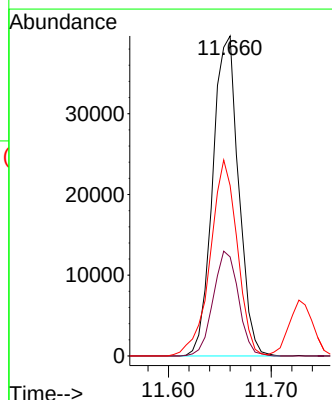
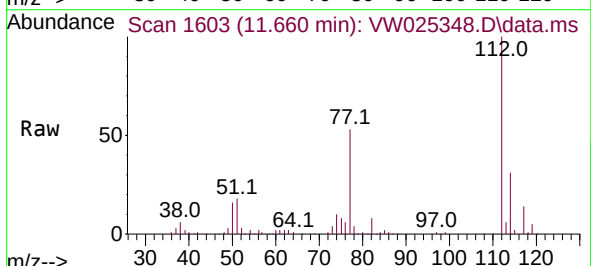
Tgt Ion:112 Resp: 69264

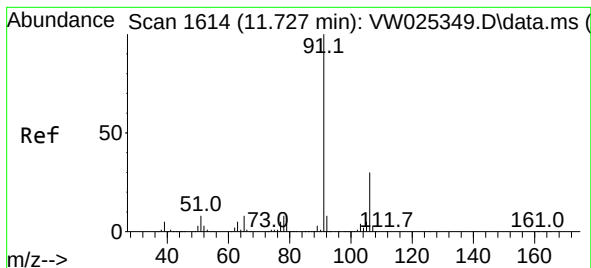
Ion Ratio Lower Upper

112 100

114 31.0 22.2 41.2

77 53.2 48.2 72.2

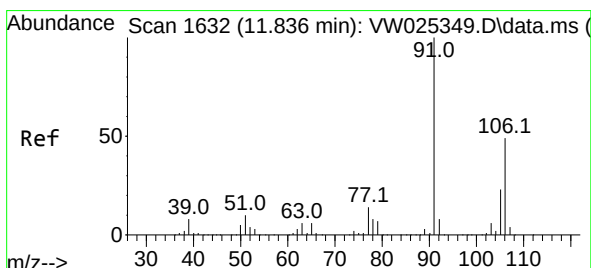
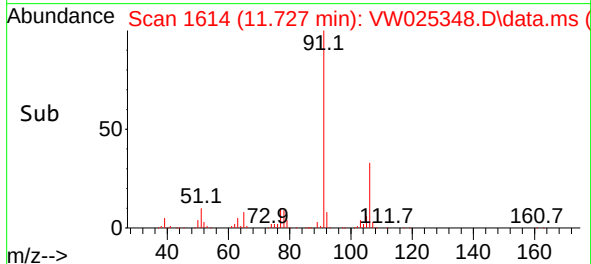
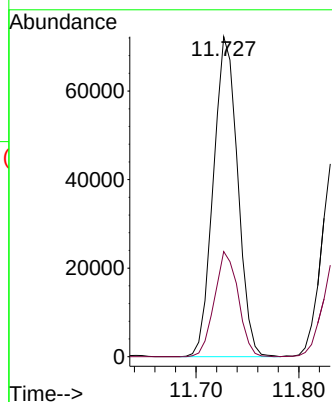
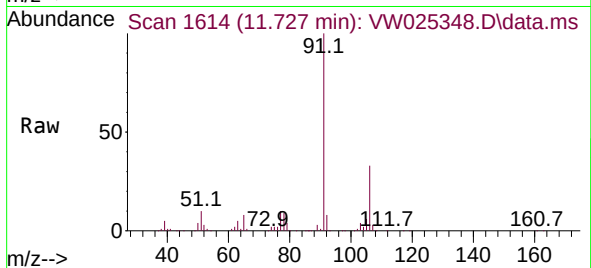




#52
Ethylbenzene
Concen: 4.902 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

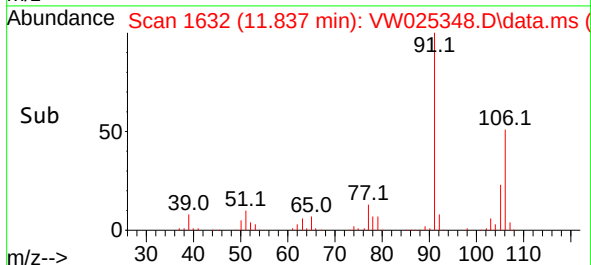
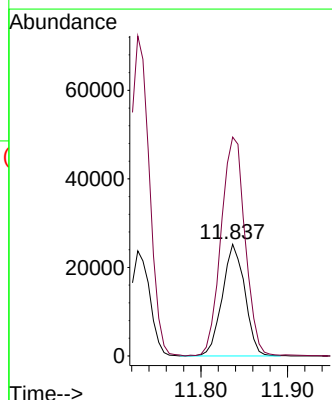
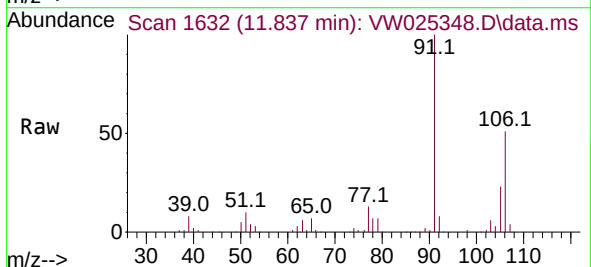
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

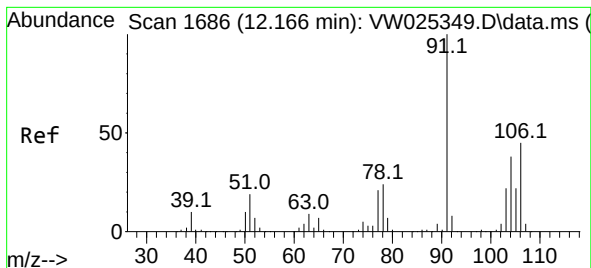
Tgt Ion: 91 Resp: 118912
Ion Ratio Lower Upper
91 100
106 32.8 21.3 39.6



#53
m,p-Xylene
Concen: 4.951 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion:106 Resp: 45631
Ion Ratio Lower Upper
106 100
91 195.9 144.1 267.7





#54

o-Xylene

Concen: 4.955 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

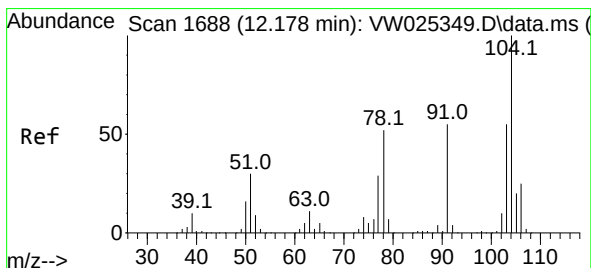
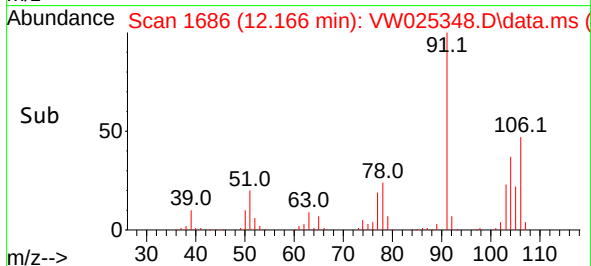
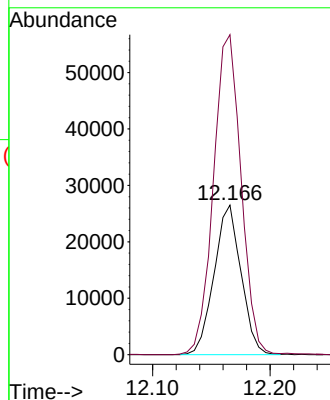
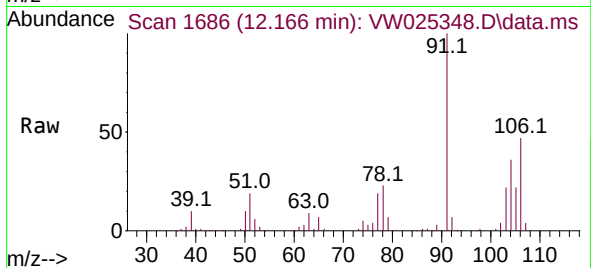
VSTD005426

Tgt Ion:106 Resp: 42219

Ion Ratio Lower Upper

106 100

91 214.0 157.1 291.7



#55

Styrene

Concen: 4.910 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW025348.D

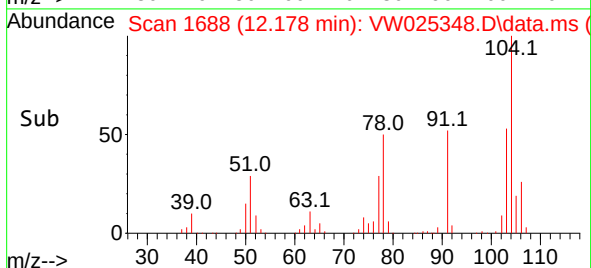
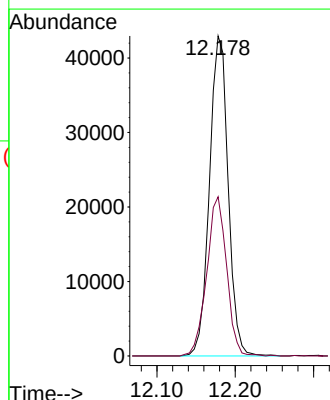
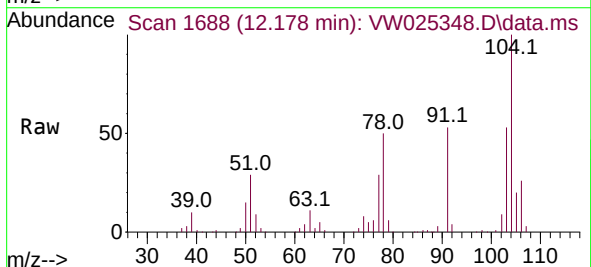
Acq: 22 Feb 2023 09:21

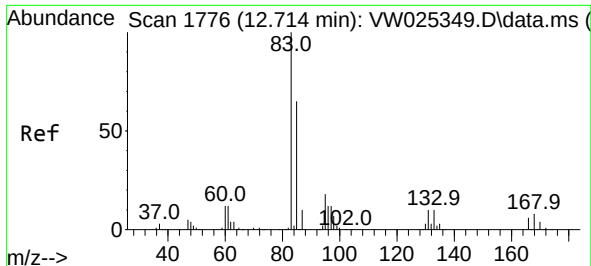
Tgt Ion:104 Resp: 71140

Ion Ratio Lower Upper

104 100

78 49.8 36.6 68.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.753 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

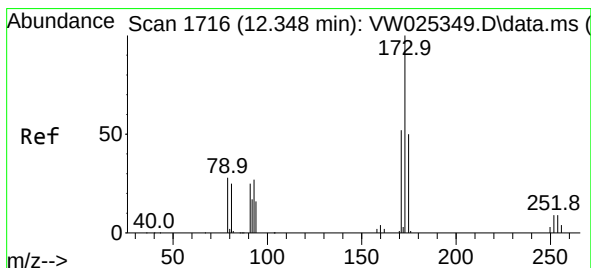
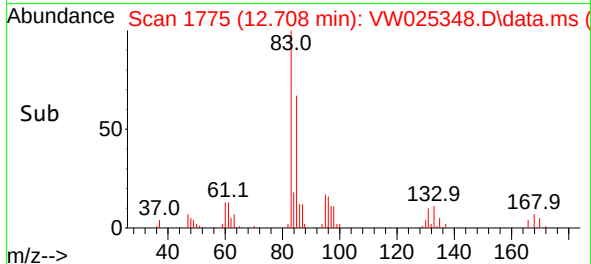
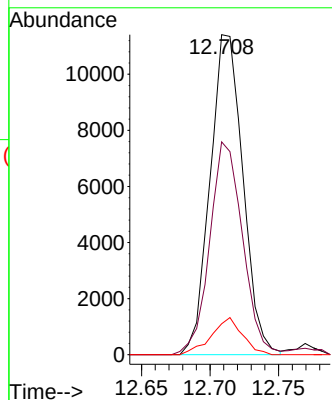
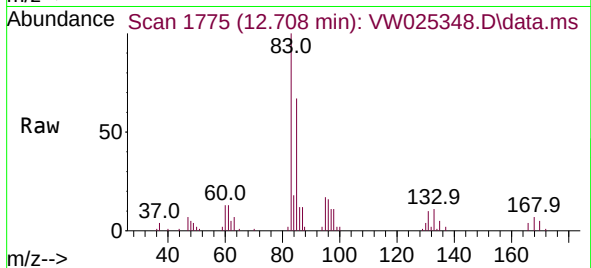
Tgt Ion: 83 Resp: 19035

Ion Ratio Lower Upper

83 100

85 66.5 45.6 84.6

131 9.7 8.2 12.2



#59

Bromoform

Concen: 4.199 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

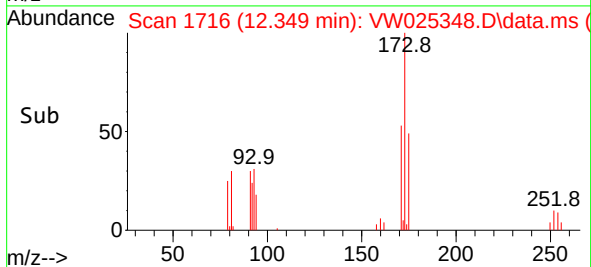
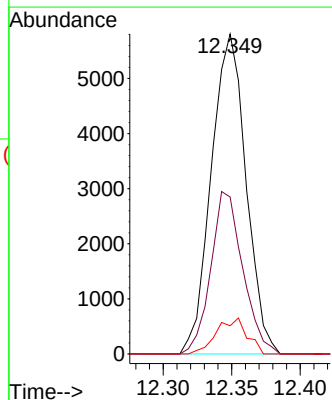
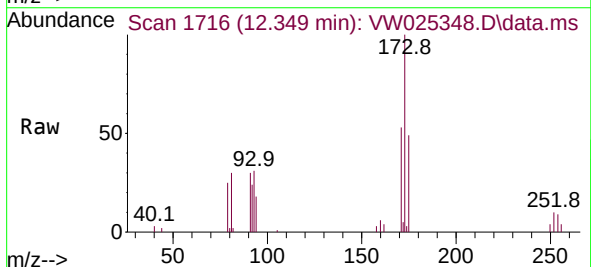
Tgt Ion:173 Resp: 10244

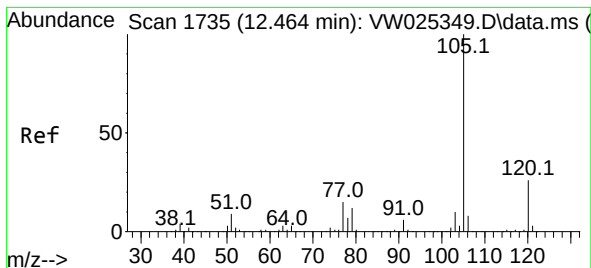
Ion Ratio Lower Upper

173 100

175 46.7 39.0 58.6

254 9.9 7.3 10.9





#60

Isopropylbenzene

Concen: 4.464 ug/L

RT: 12.465 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

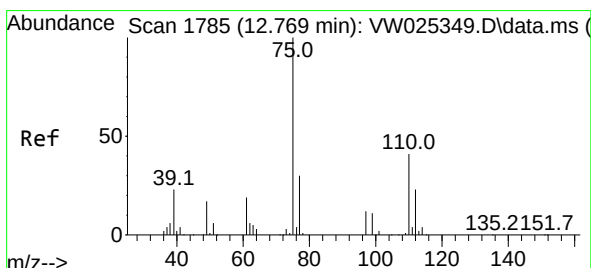
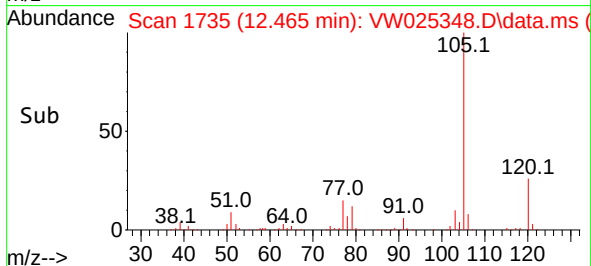
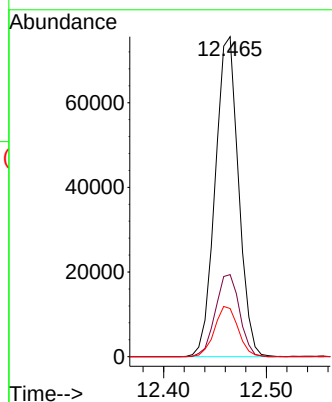
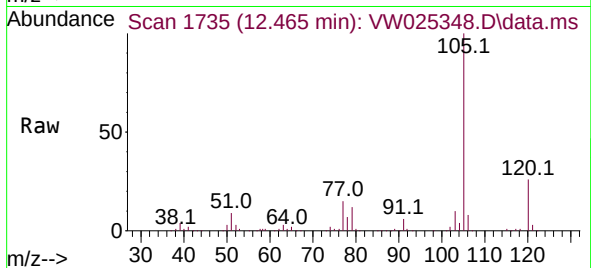
Tgt Ion:105 Resp: 118964

Ion Ratio Lower Upper

105 100

120 26.6 20.6 30.8

77 15.9 12.7 19.1



#61

1,2,3-Trichloropropane

Concen: 4.464 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

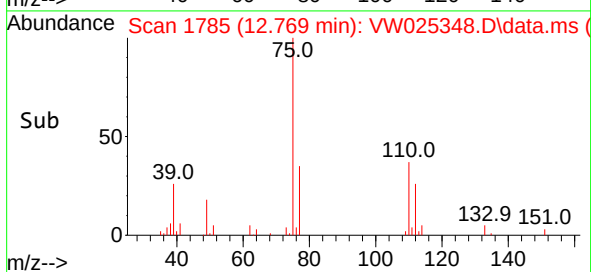
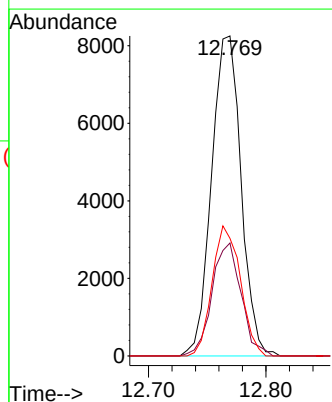
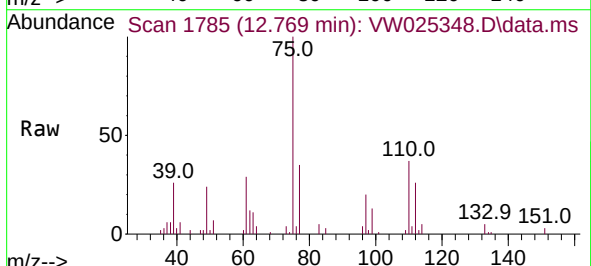
Tgt Ion: 75 Resp: 14411

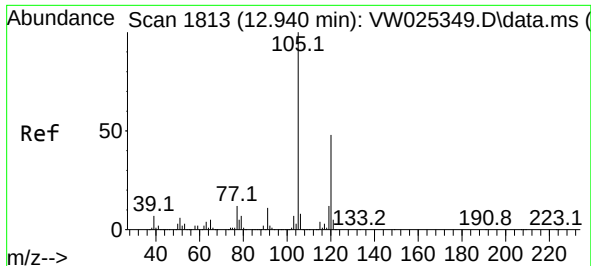
Ion Ratio Lower Upper

75 100

77 34.8 26.3 39.5

110 38.8 32.6 49.0

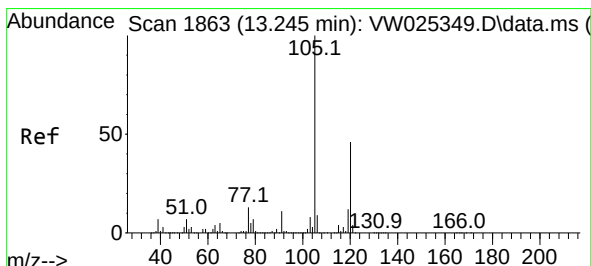
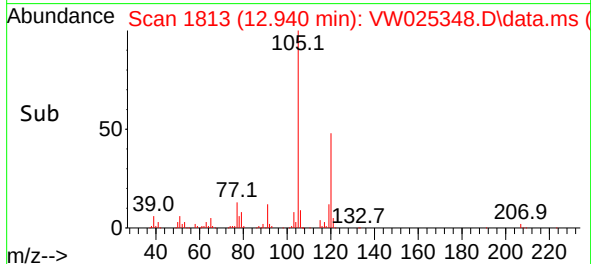
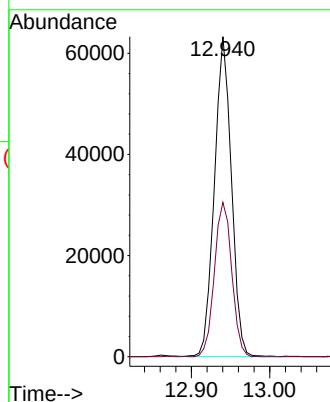
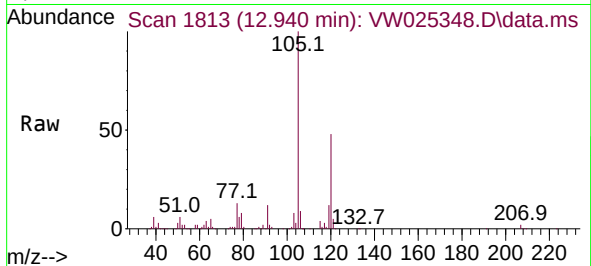




#62
1,3,5-Trimethylbenzene
Concen: 4.467 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

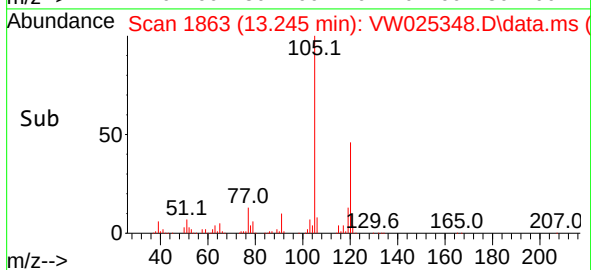
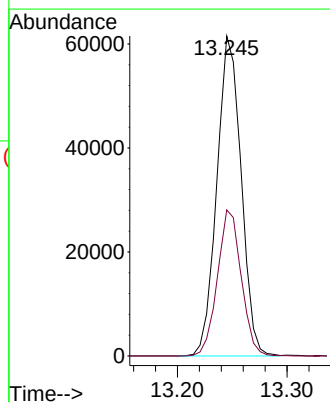
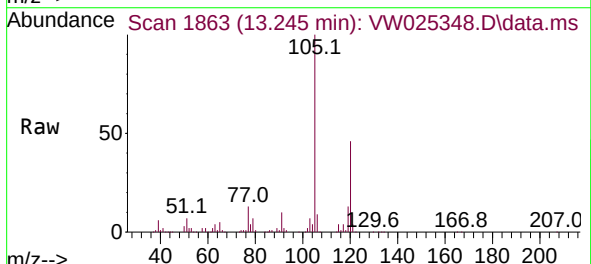
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

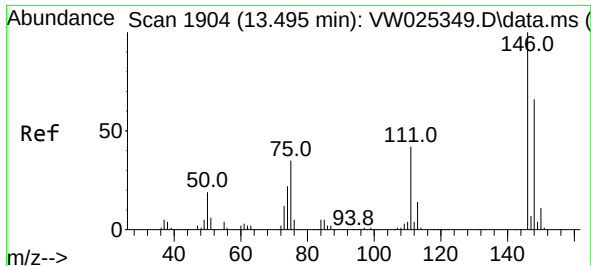
Tgt Ion:105 Resp: 95622
Ion Ratio Lower Upper
105 100
120 49.1 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 4.673 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion:105 Resp: 94692
Ion Ratio Lower Upper
105 100
120 44.7 35.6 53.4

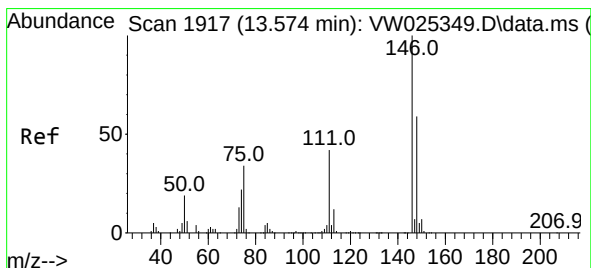
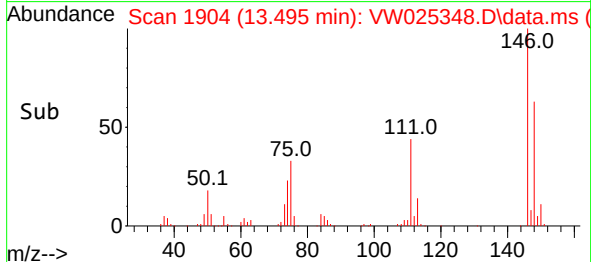
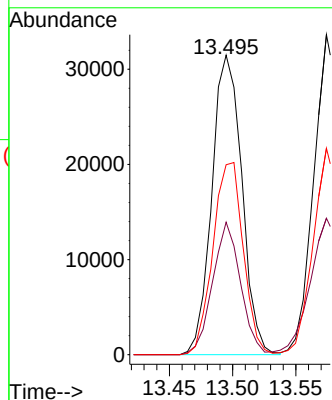
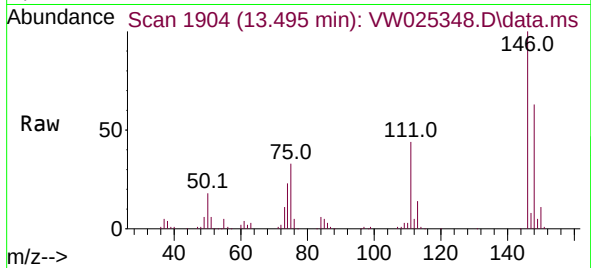




#64
1,3-Dichlorobenzene
Concen: 4.985 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

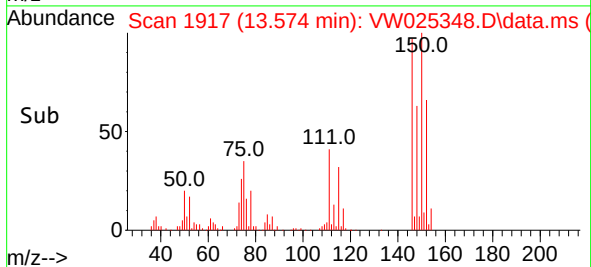
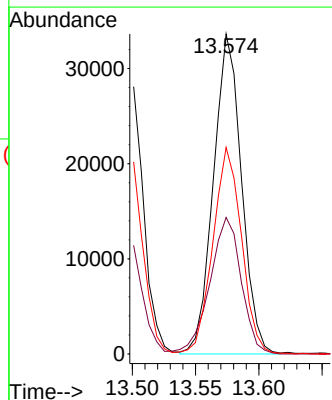
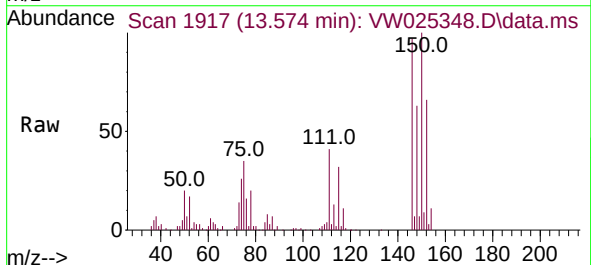
Instrument :
MSVOA_W
ClientSampleId :
VSTD005426

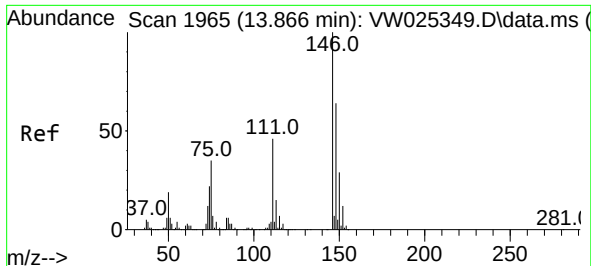
Tgt Ion:146 Resp: 51954
Ion Ratio Lower Upper
146 100
111 44.2 29.5 54.7
148 63.4 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 4.972 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW025348.D
Acq: 22 Feb 2023 09:21

Tgt Ion:146 Resp: 51945
Ion Ratio Lower Upper
146 100
111 42.7 29.8 55.3
148 64.5 41.7 77.5





#67

1,2-Dichlorobenzene

Concen: 4.767 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

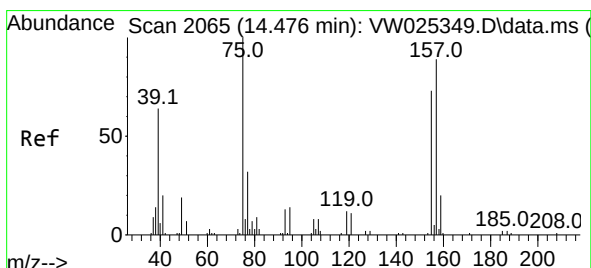
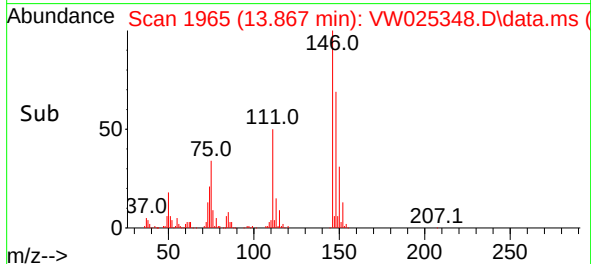
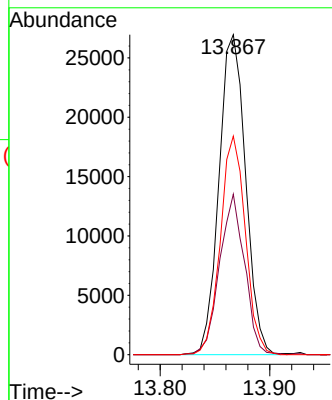
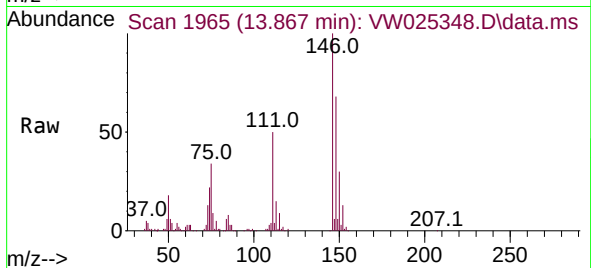
Tgt Ion:146 Resp: 45556

Ion Ratio Lower Upper

146 100

111 50.1 36.5 54.7

148 68.3 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.154 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

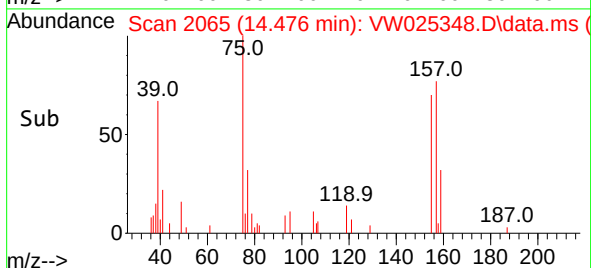
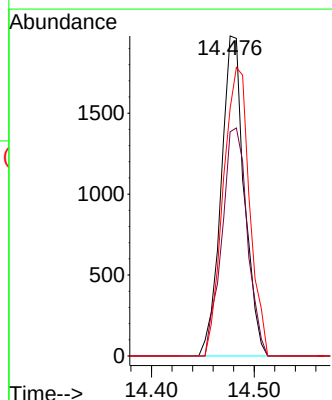
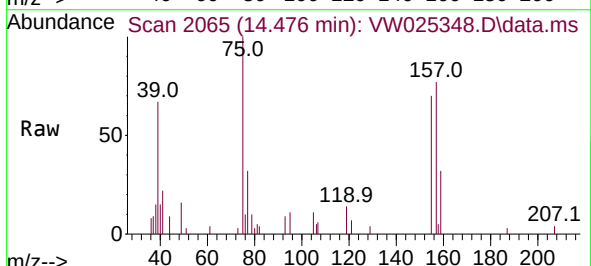
Tgt Ion: 75 Resp: 3099

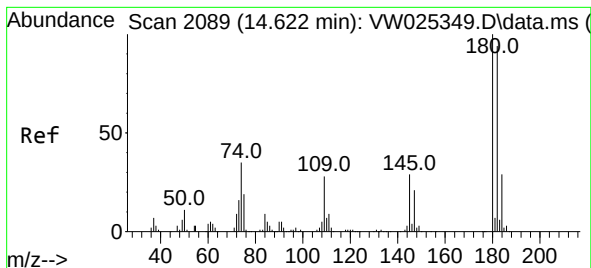
Ion Ratio Lower Upper

75 100

155 70.1 58.6 87.8

157 77.3 71.4 107.0





#69

1,3,5-Trichlorobenzene

Concen: 4.689 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

Tgt Ion:180 Resp: 33451

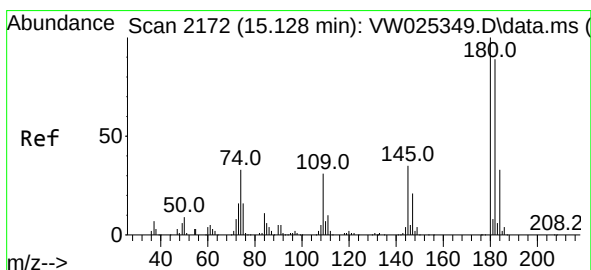
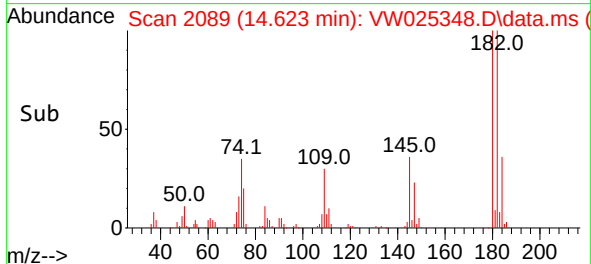
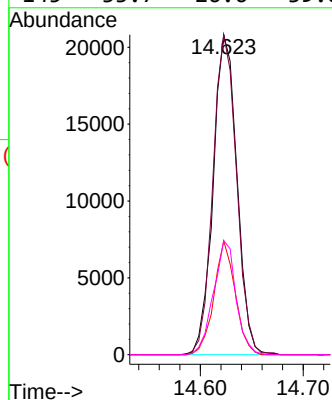
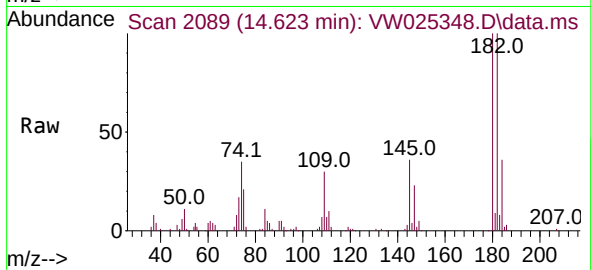
Ion Ratio Lower Upper

180 100

182 98.9 76.5 114.7

184 31.8 25.2 37.8

145 33.7 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 4.553 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

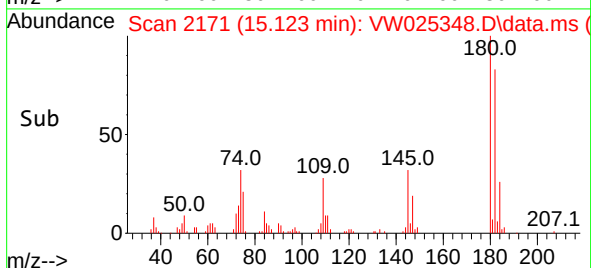
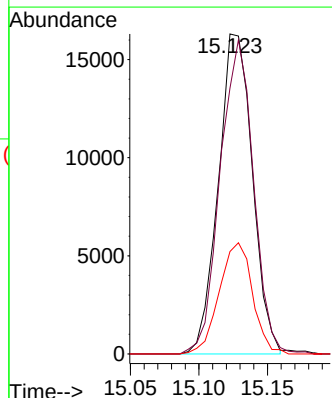
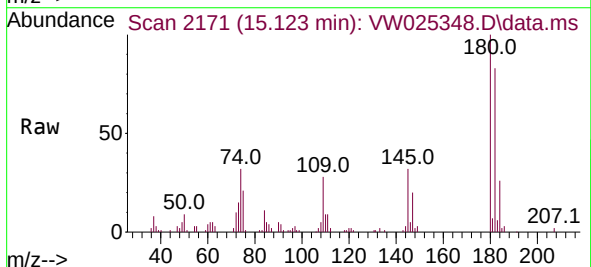
Tgt Ion:180 Resp: 28183

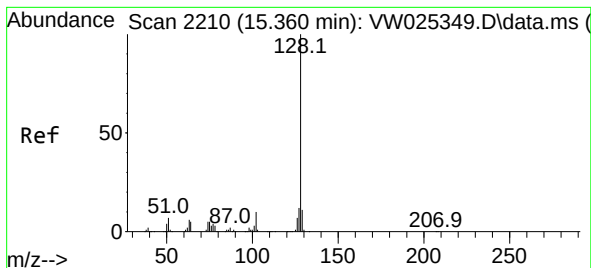
Ion Ratio Lower Upper

180 100

182 95.8 72.6 109.0

145 34.0 26.4 39.6





#71

Naphthalene

Concen: 4.074 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD005426

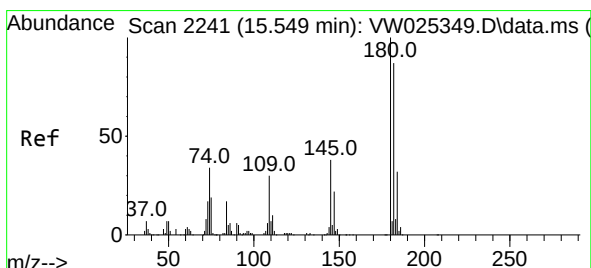
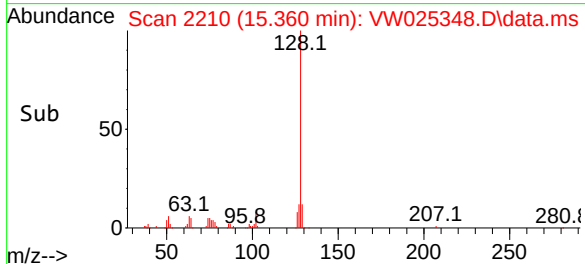
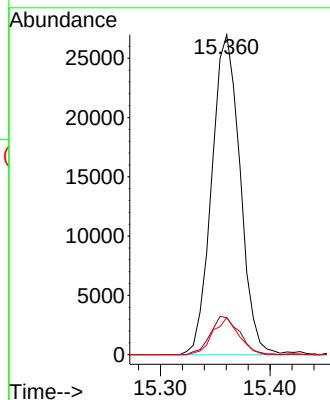
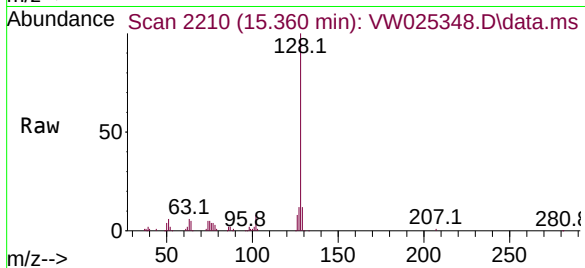
Tgt Ion:128 Resp: 48491

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.493 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW025348.D

Acq: 22 Feb 2023 09:21

Tgt Ion:180 Resp: 23617

Ion Ratio Lower Upper

180 100

182 99.2 76.6 115.0

145 36.5 29.3 43.9

