

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030245.D
 Acq On : 17 Mar 2023 19:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 17 23:01:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	112299	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	109194	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	60869	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	30670	4.221	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.400%
7) Chloroethane-d5	1.536	69	28445	4.170	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.066	63	71282	4.772	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	3.825	46	79697	59.489	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.980%
24) Chloroform-d	4.262	84	70855	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	4.953	65	35429	5.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	4.970	84	123952	4.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	5.998	67	36847	4.169	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.252	98	117464	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	7.561	79	14574	4.819	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.400%
46) 2-Hexanone-d5	8.037	63	61627	49.257	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.520%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	30598	4.866	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	45981	4.465	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	39651	4.340	ug/L	99
3) Chloromethane	1.217	50	78018	5.419	ug/L	97
5) Vinyl chloride	1.285	62	41943	4.383	ug/L	100
6) Bromomethane	1.491	94	12654	7.367	ug/L	100
8) Chloroethane	1.555	64	25570	4.386	ug/L	98
9) Trichlorofluoromethane	1.719	101	70075	5.104	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	39080	4.590	ug/L	96
12) 1,1-Dichloroethene	2.076	96	33662	4.467	ug/L	91
13) Acetone	2.159	43	58966	59.551	ug/L	73
14) Carbon disulfide	2.246	76	71613	3.551	ug/L	100
15) Methyl Acetate	2.394	43	11069	4.786	ug/L	94
16) Methylene chloride	2.455	84	42283	4.593	ug/L	87
17) Methyl tert-butyl Ether	2.716	73	73512	4.988	ug/L	# 90
18) trans-1,2-Dichloroethene	2.703	96	30960	4.318	ug/L	93
19) 1,1-Dichloroethane	3.121	63	65617	4.913	ug/L	99
21) 2-Butanone	3.912	43	79773	59.904	ug/L	87
22) cis-1,2-Dichloroethene	3.828	96	35394	4.467	ug/L	98
23) Bromochloromethane	4.162	128	16327	4.822	ug/L	95
25) Chloroform	4.288	83	70575	5.080	ug/L	98

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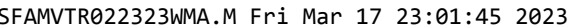
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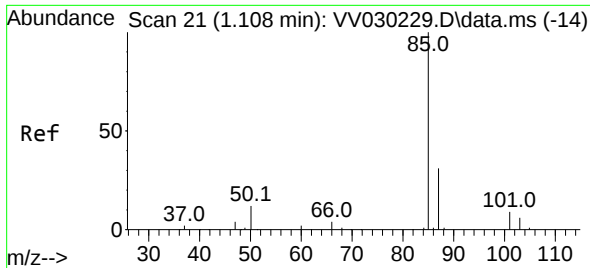
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	42773	5.886	ug/L #	94
29) 1,1,1-Trichloroethane	4.526	97	65145	5.079	ug/L	96
30) Cyclohexane	4.593	56	44957	4.056	ug/L	99
31) Carbon tetrachloride	4.748	117	56335	4.886	ug/L	99
33) Benzene	5.021	78	133344	4.471	ug/L	100
34) Trichloroethene	5.844	95	36950	4.422	ug/L	97
35) Methylcyclohexane	6.060	83	48461	3.832	ug/L	94
37) 1,2-Dichloropropane	6.105	63	35470	4.675	ug/L	100
38) Bromodichloromethane	6.442	83	49902	5.152	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	47207	4.250	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	201070	64.226	ug/L	89
42) Toluene	7.323	91	148838	4.608	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	40807	4.707	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	26078	4.804	ug/L	97
47) Tetrachloroethene	7.915	164	38415	5.356	ug/L	97
48) 2-Hexanone	8.088	43	145387	64.869	ug/L	88
49) Dibromochloromethane	8.185	129	30428	4.790	ug/L	99
50) 1,2-Dibromoethane	8.294	107	23138	4.568	ug/L	96
51) Chlorobenzene	8.825	112	96453	4.428	ug/L	98
52) Ethylbenzene	8.953	91	158600	4.512	ug/L	99
53) m,p-Xylene	9.082	106	60781	4.499	ug/L	98
54) o-Xylene	9.487	106	59287	4.594	ug/L	98
55) Styrene	9.506	104	105792	4.930	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	30586	5.037	ug/L	98
59) Bromoform	9.677	173	18104	4.962	ug/L	99
60) Isopropylbenzene	9.876	105	165355	4.721	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	21374	5.246	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	135178	4.699	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	140502	4.774	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	86139	4.724	ug/L	97
65) 1,4-Dichlorobenzene	11.220	146	84577	4.597	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	78639	4.884	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	5306	5.832	ug/L	82
69) 1,3,5-Trichlorobenzene	12.593	180	64775	4.321	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	50210	4.134	ug/L	98
71) Naphthalene	13.448	128	71804	4.524	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	43714	4.373	ug/L	99

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

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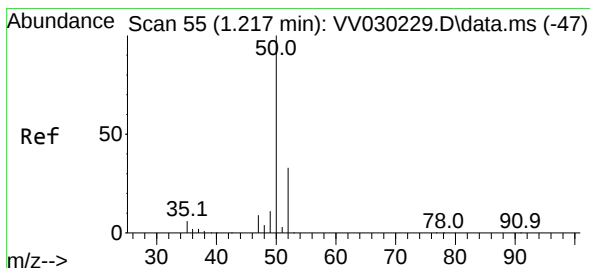
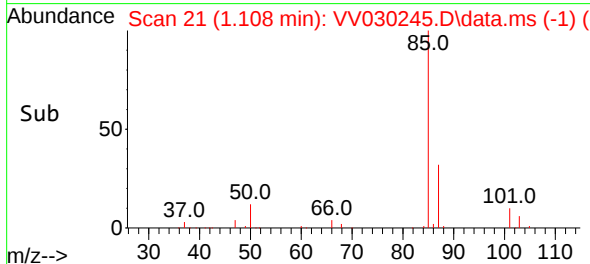
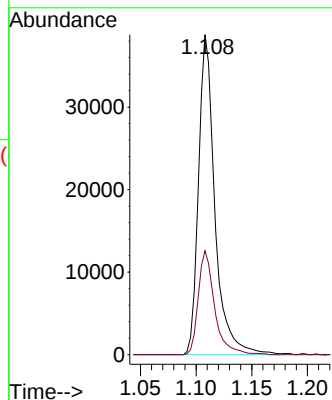
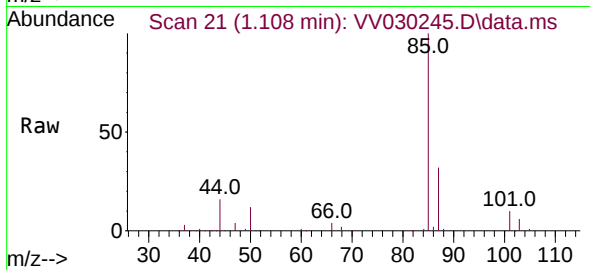




#2
Dichlorodifluoromethane
Concen: 4.340 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

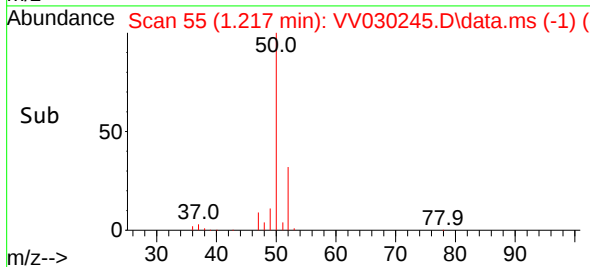
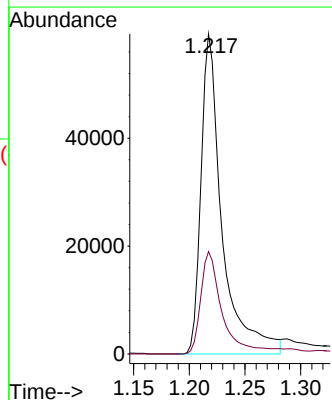
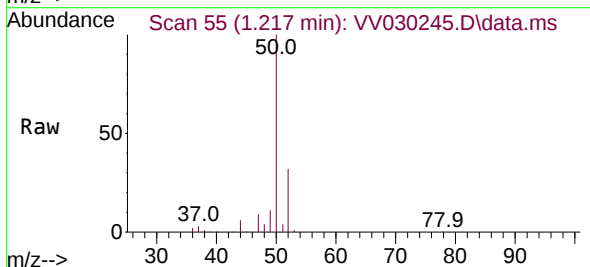
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MSVOA_V
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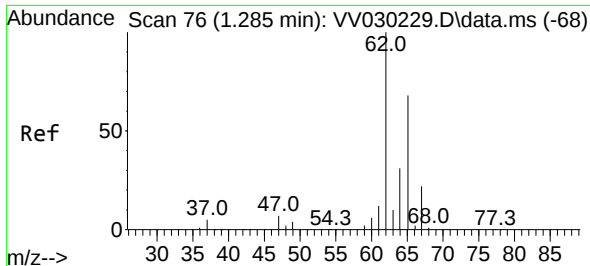
Tgt Ion: 85 Resp: 39651
Ion Ratio Lower Upper
85 100
87 32.5 26.6 39.8



#3
Chloromethane
Concen: 5.419 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

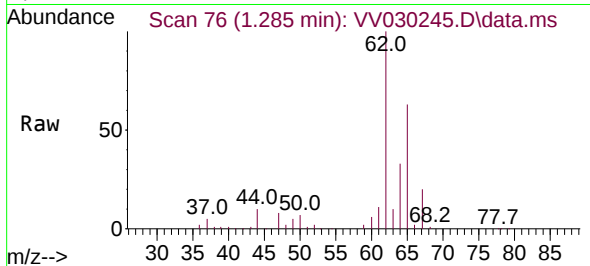
Tgt Ion: 50 Resp: 78018
Ion Ratio Lower Upper
50 100
52 32.0 23.6 43.8



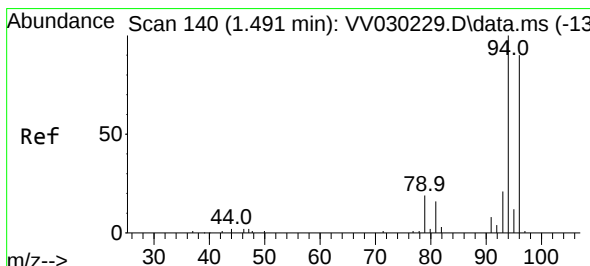
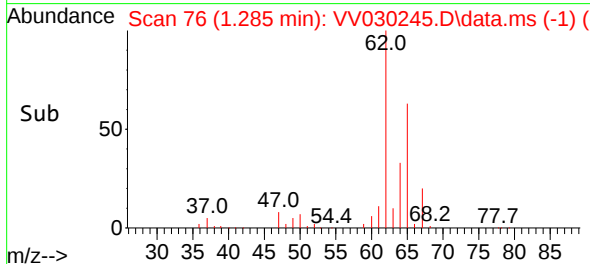
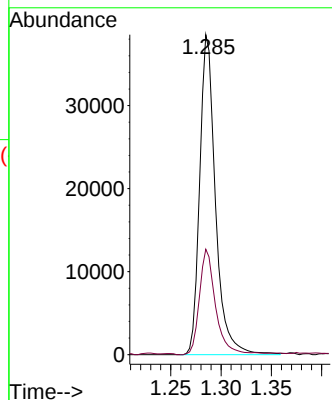


#5
 Vinyl chloride
 Concen: 4.383 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

Instrument :
 MSVOA_V
 ClientSampleId :

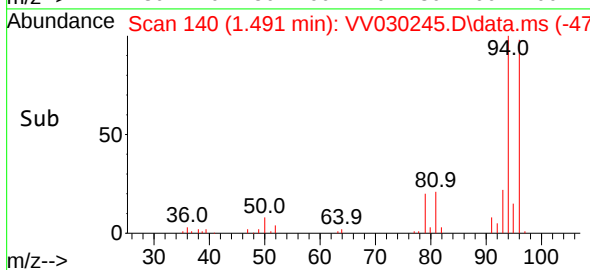
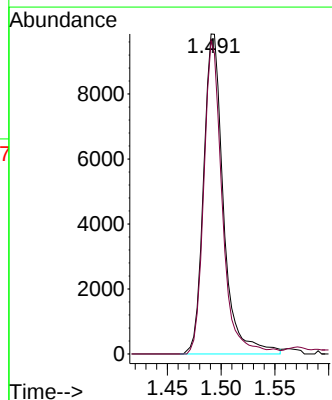
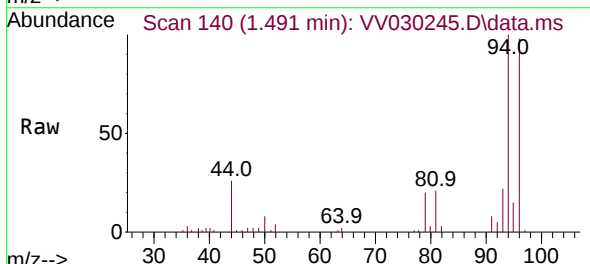


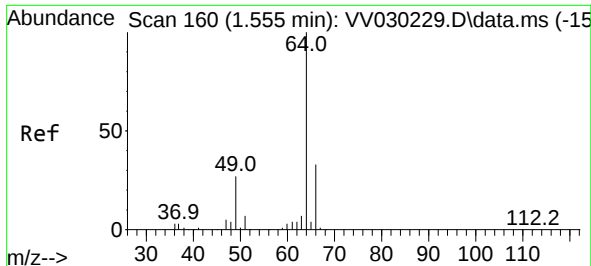
Tgt Ion: 62 Resp: 41943
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 7.367 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

Tgt Ion: 94 Resp: 12654
 Ion Ratio Lower Upper
 94 100
 96 97.8 68.4 127.0

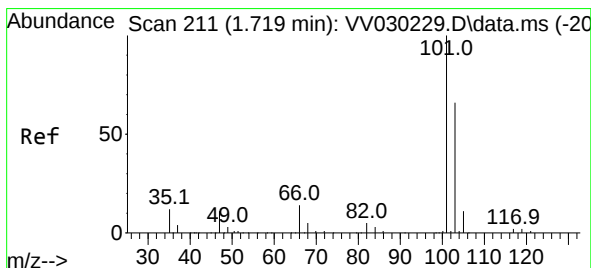
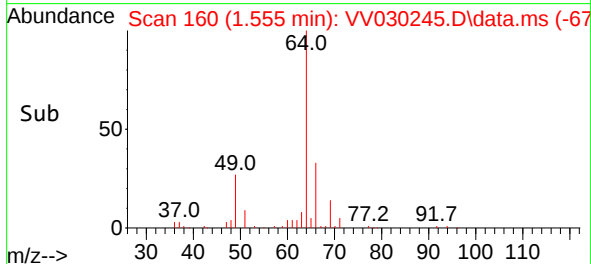
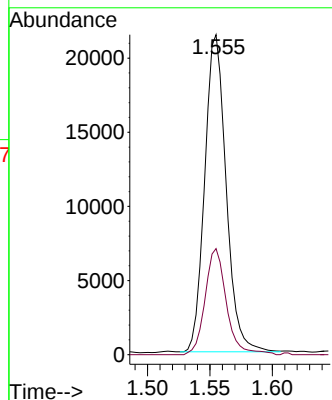
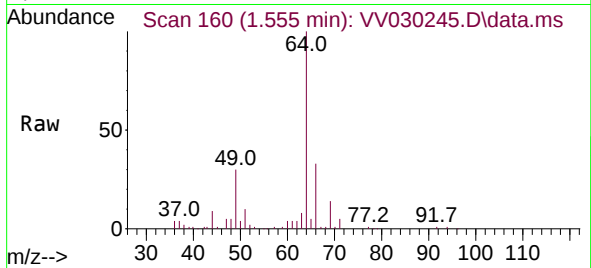




#8
Chloroethane
Concen: 4.386 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

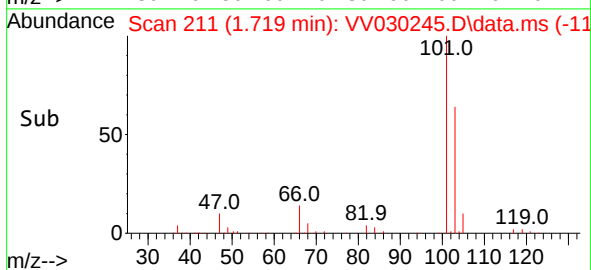
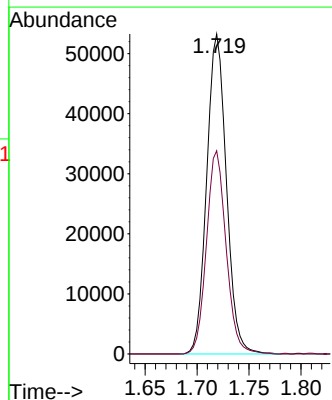
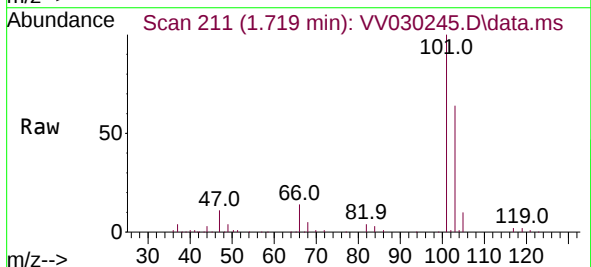
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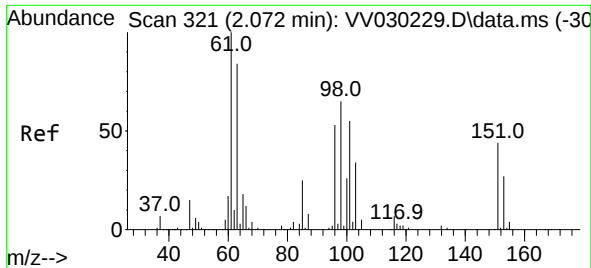
Tgt Ion: 64 Resp: 25570
Ion Ratio Lower Upper
64 100
66 33.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.104 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion:101 Resp: 70075
Ion Ratio Lower Upper
101 100
103 63.3 52.7 79.1

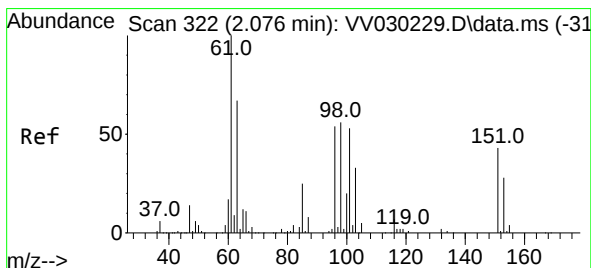
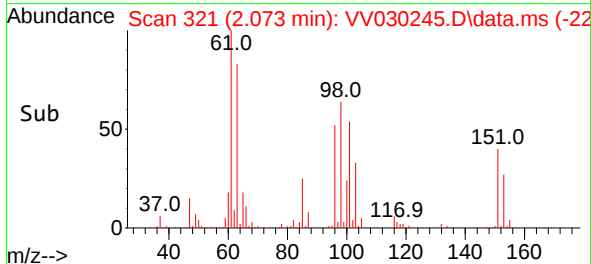
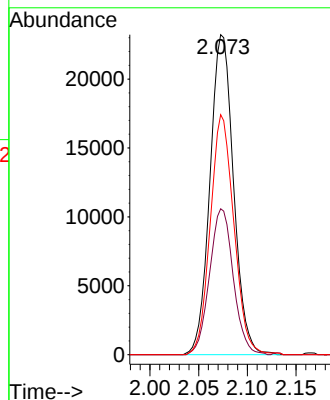
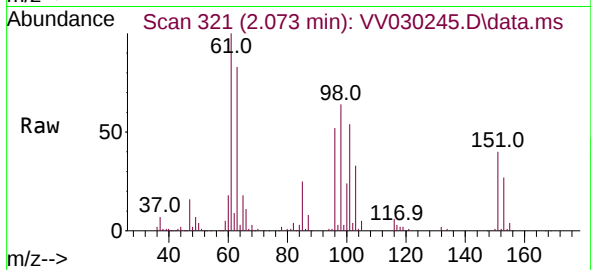




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.590 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

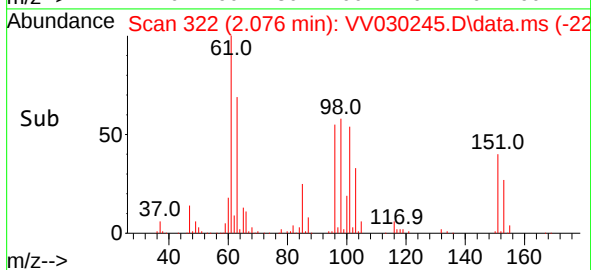
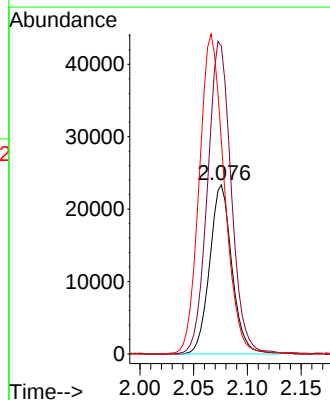
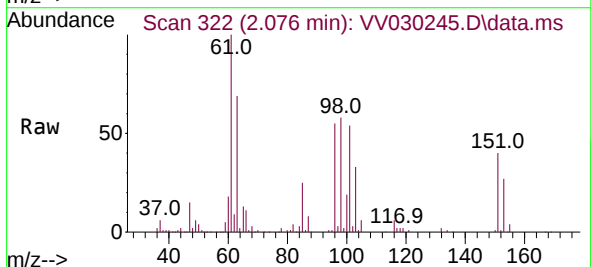
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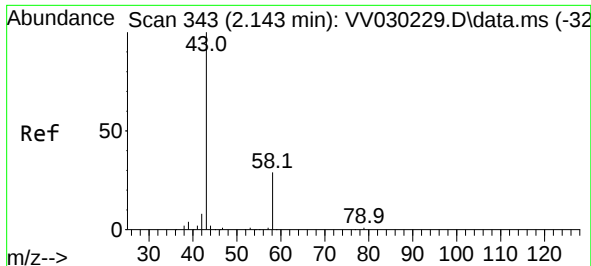
Tgt Ion:101 Resp: 39080
 Ion Ratio Lower Upper
 101 100
 85 45.9 33.5 50.3
 151 75.1 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.467 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

Tgt Ion: 96 Resp: 33662
 Ion Ratio Lower Upper
 96 100
 61 182.0 115.6 214.6
 63 126.1 85.6 159.0





#13

Acetone

Concen: 59.551 ug/L

RT: 2.159 min Scan# 34

Delta R.T. 0.016 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

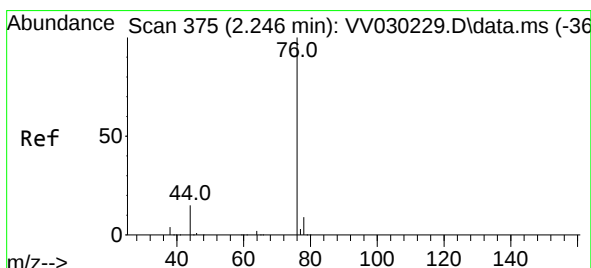
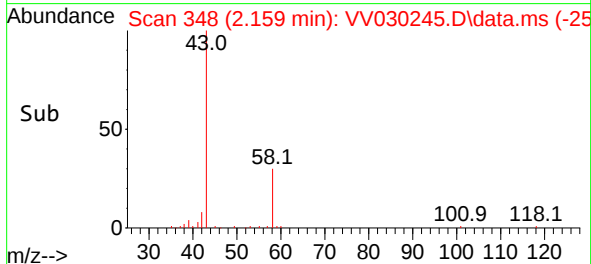
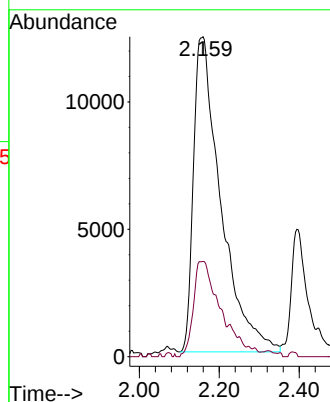
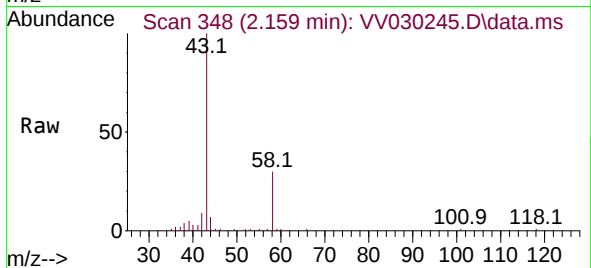
ClientSampleId :

Tgt Ion: 43 Resp: 58966

Ion Ratio Lower Upper

43 100

58 25.7 0.0 29.4



#14

Carbon disulfide

Concen: 3.551 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030245.D

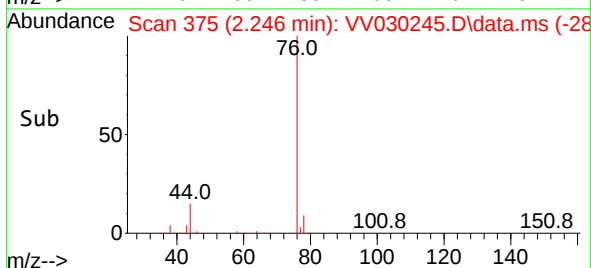
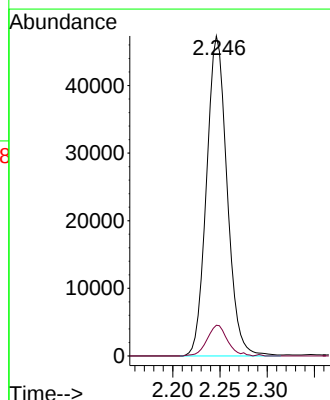
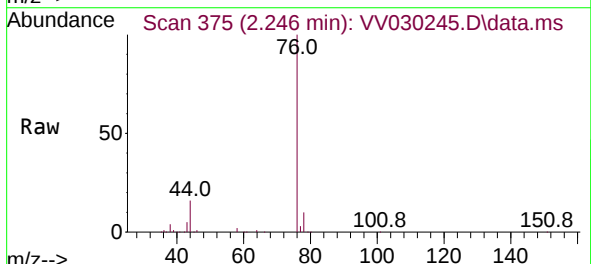
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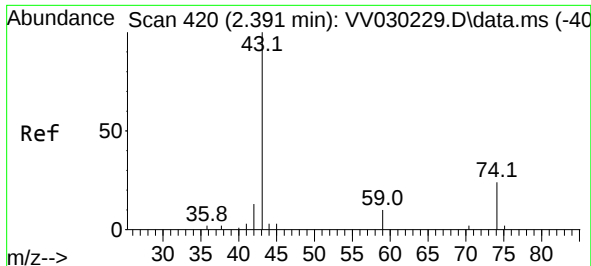
Tgt Ion: 76 Resp: 71613

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

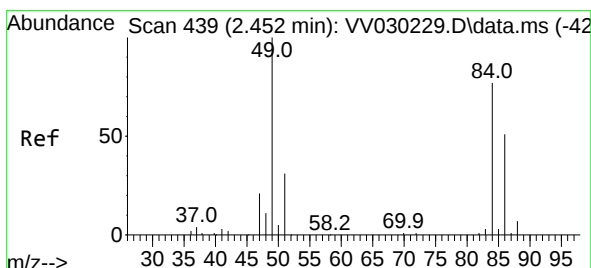
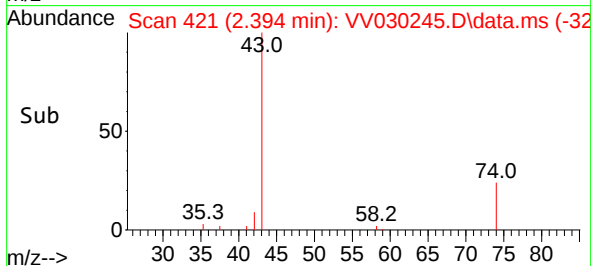
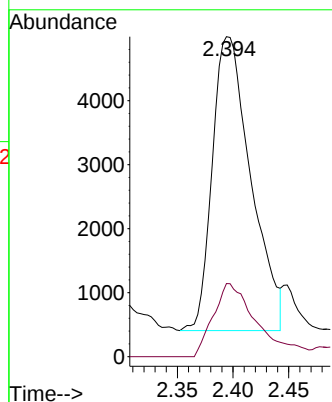
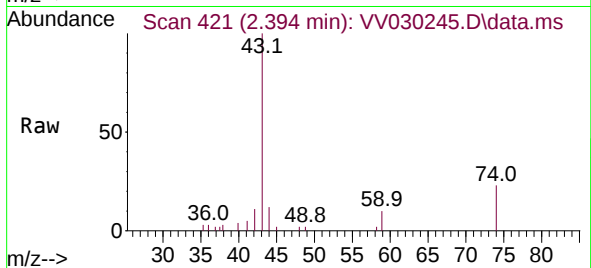




#15
Methyl Acetate
Concen: 4.786 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

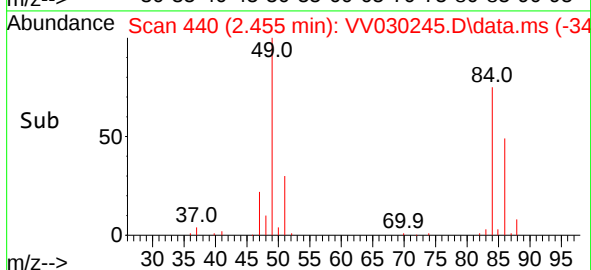
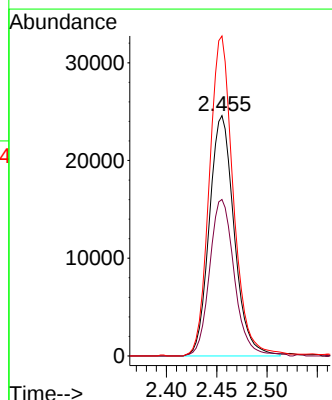
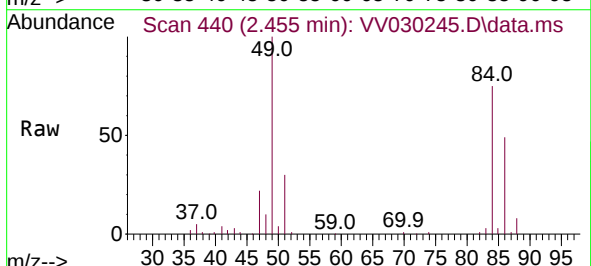
Instrument :
MSVOA_V
ClientSampleId :

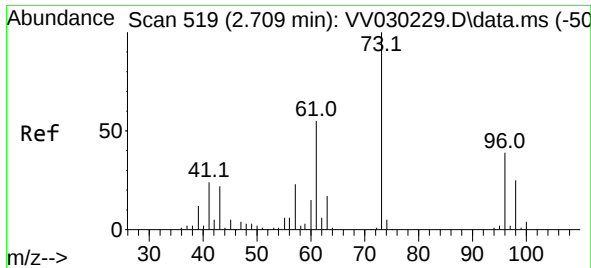
Tgt Ion: 43 Resp: 11069
Ion Ratio Lower Upper
43 100
74 28.2 20.1 30.1



#16
Methylene chloride
Concen: 4.593 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 84 Resp: 42283
Ion Ratio Lower Upper
84 100
86 65.2 44.7 83.1
49 133.2 78.8 146.3

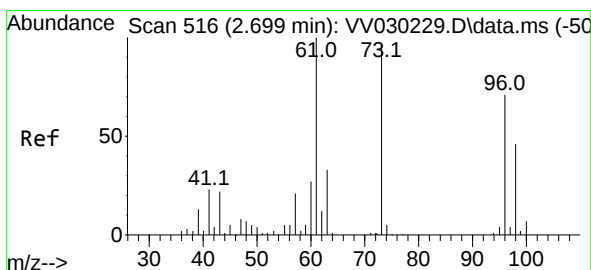
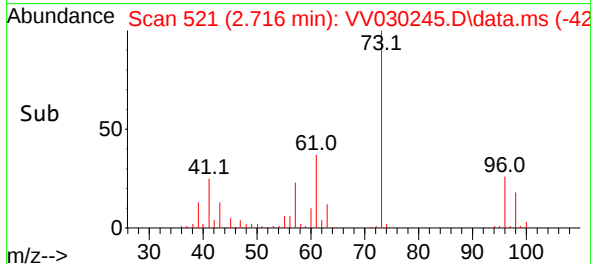
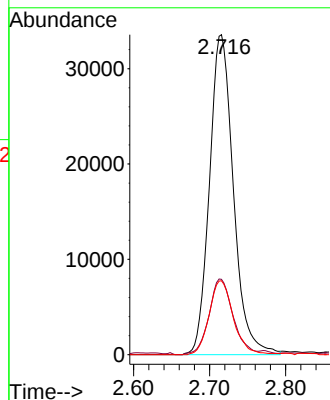
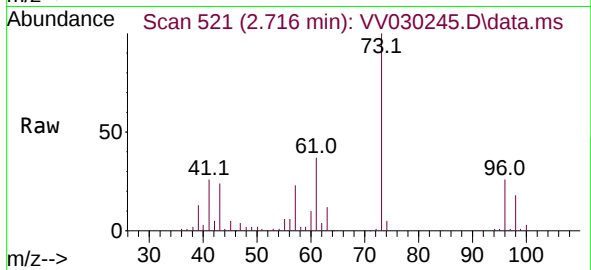




#17
Methyl tert-butyl Ether
Concen: 4.988 ug/L
RT: 2.716 min Scan# 519
Delta R.T. 0.006 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

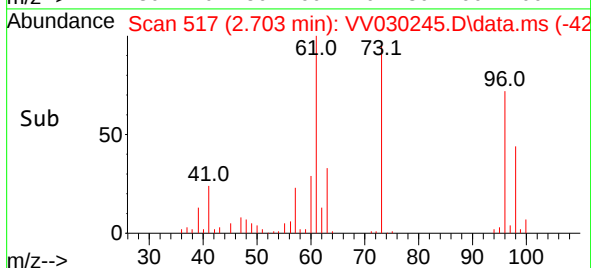
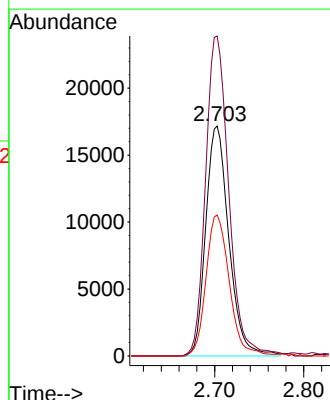
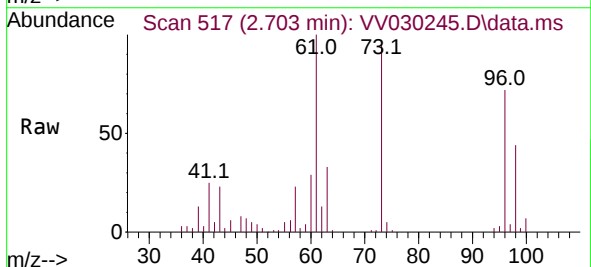
Instrument :
MSVOA_V
ClientSampleId :

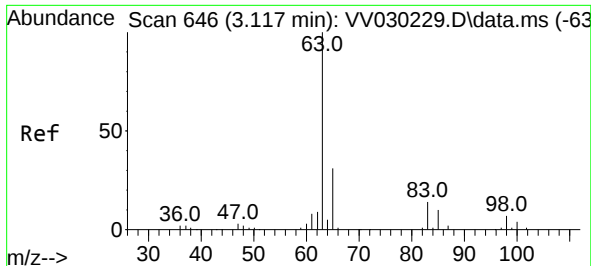
Tgt Ion: 73 Resp: 73512
Ion Ratio Lower Upper
73 100
43 23.7 13.4 20.2#
57 23.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.318 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 96 Resp: 30960
Ion Ratio Lower Upper
96 100
61 139.2 91.0 169.0
98 61.3 45.2 84.0

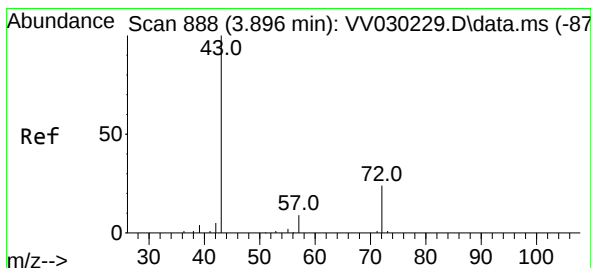
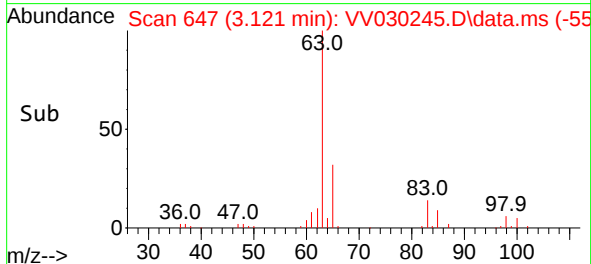
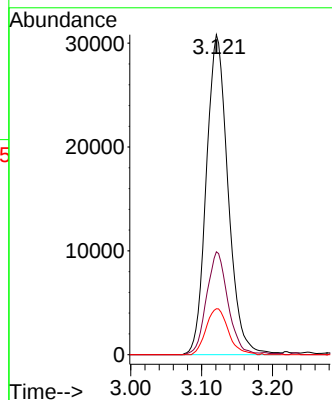
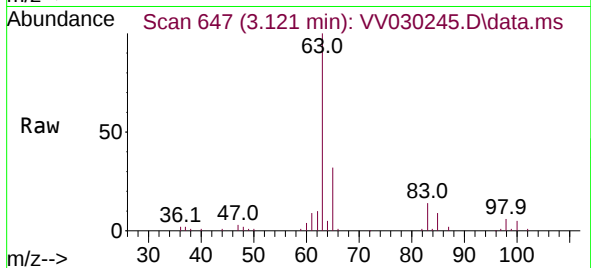




#19
1,1-Dichloroethane
Concen: 4.913 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

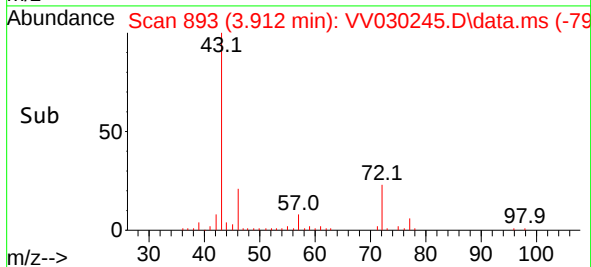
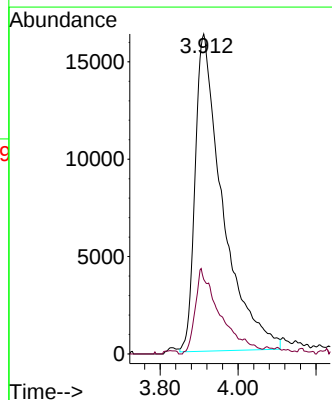
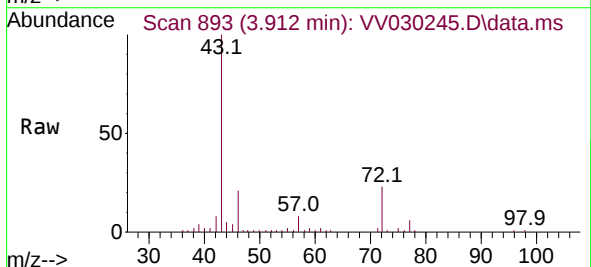
Instrument :
MSVOA_V
ClientSampleId :

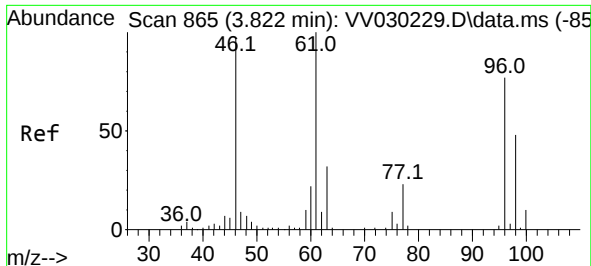
Tgt Ion: 63 Resp: 65617
Ion Ratio Lower Upper
63 100
65 32.1 23.0 42.8
83 14.4 9.6 17.8



#21
2-Butanone
Concen: 59.904 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.016 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

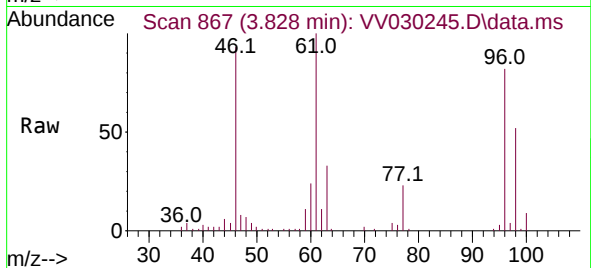
Tgt Ion: 43 Resp: 79773
Ion Ratio Lower Upper
43 100
72 22.9 15.1 45.3



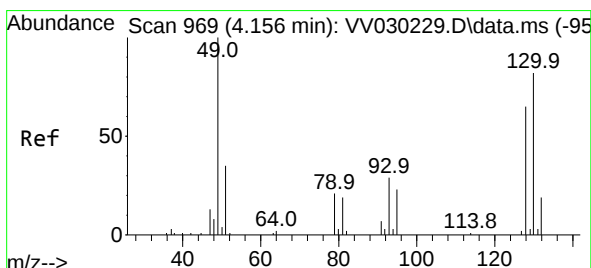
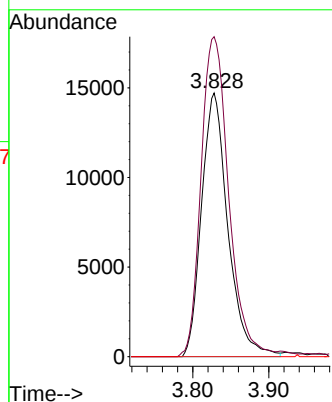
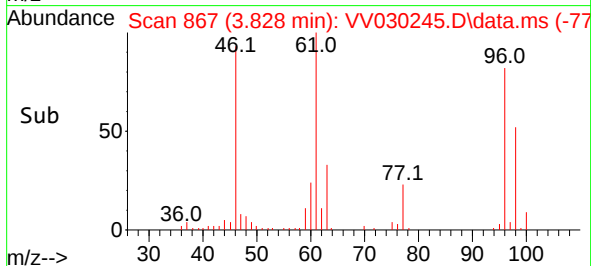


#22
cis-1,2-Dichloroethene
Concen: 4.467 ug/L
RT: 3.828 min Scan# 865
Delta R.T. 0.006 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :

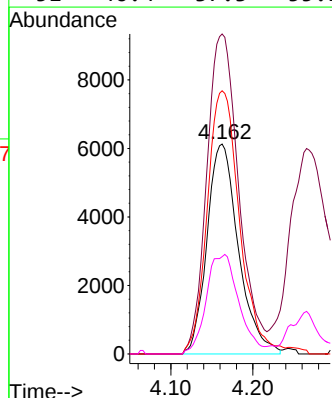
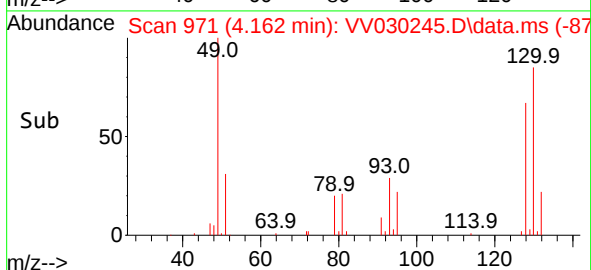
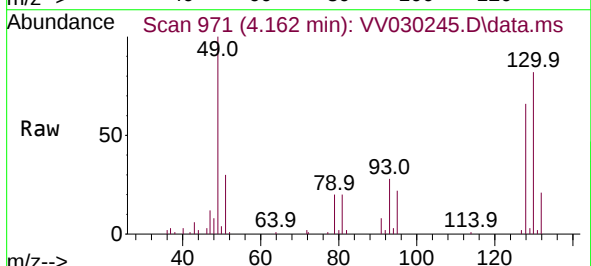


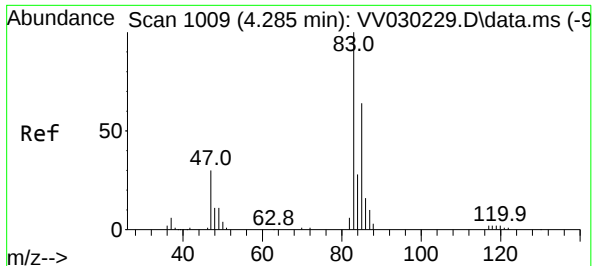
Tgt Ion: 96 Resp: 35394
Ion Ratio Lower Upper
96 100
61 121.3 83.4 154.8
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 4.822 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.006 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 128 Resp: 16327
Ion Ratio Lower Upper
128 100
49 152.4 99.5 184.9
130 125.4 90.5 168.1
51 46.4 37.3 55.9





#25

Chloroform

Concen: 5.080 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

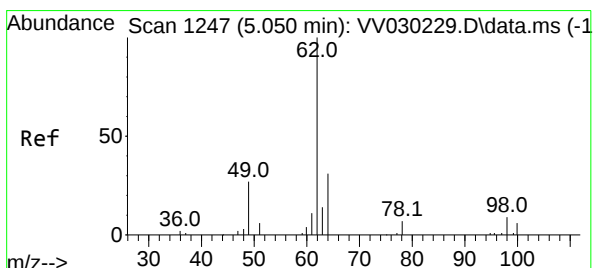
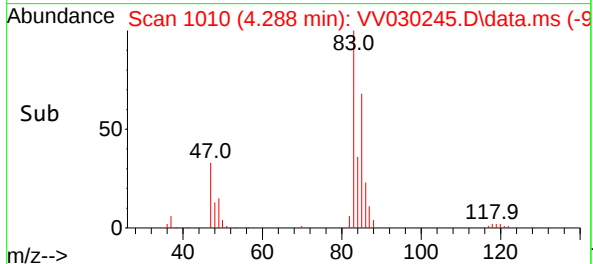
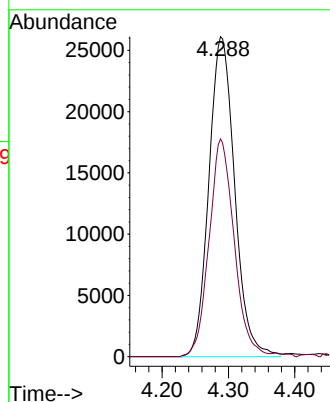
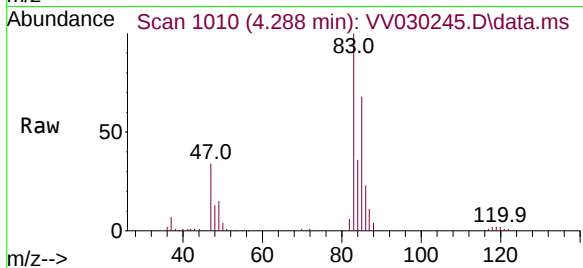
ClientSampleId :

Tgt Ion: 83 Resp: 70575

Ion Ratio Lower Upper

83 100

85 68.1 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.886 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VV030245.D

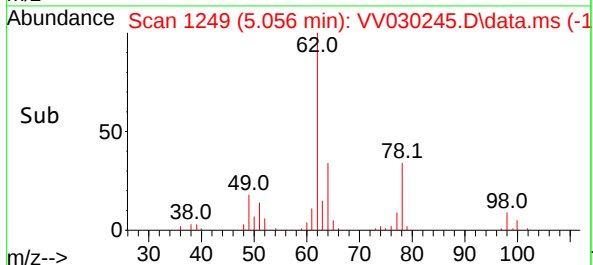
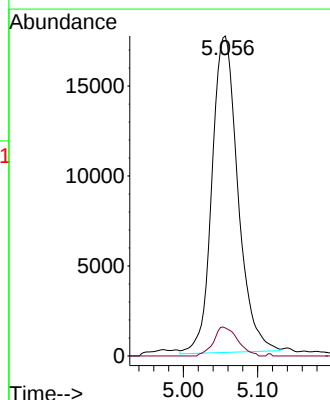
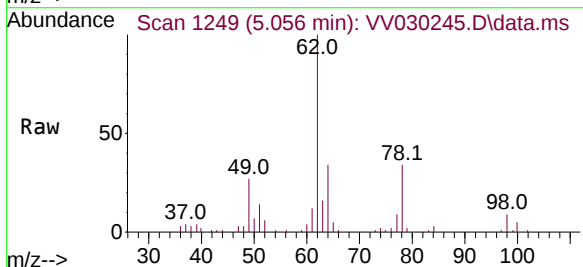
Acq: 17 Mar 2023 19:59

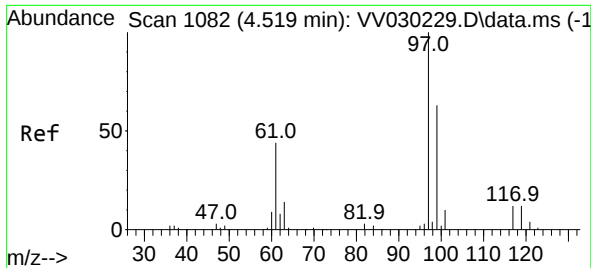
Tgt Ion: 62 Resp: 42773

Ion Ratio Lower Upper

62 100

98 8.8 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 5.079 ug/L

RT: 4.526 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

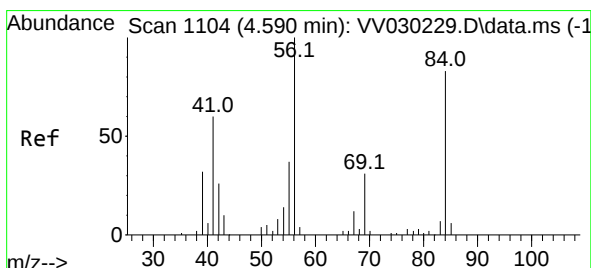
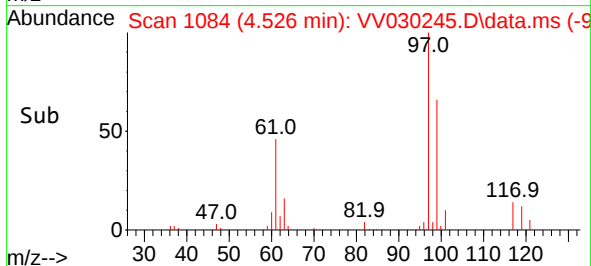
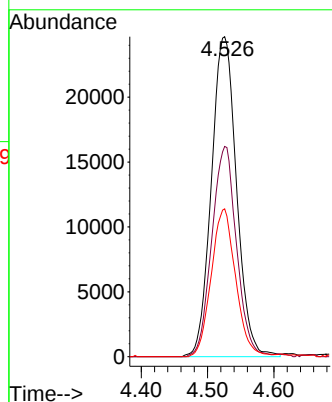
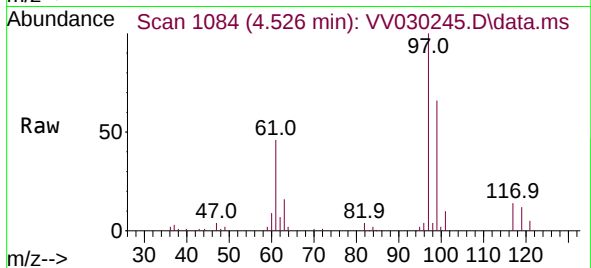
Tgt Ion: 97 Resp: 65145

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 44.9 31.5 47.3



#30

Cyclohexane

Concen: 4.056 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

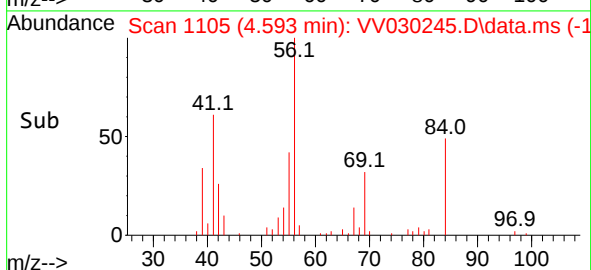
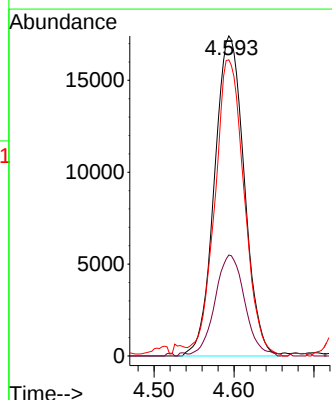
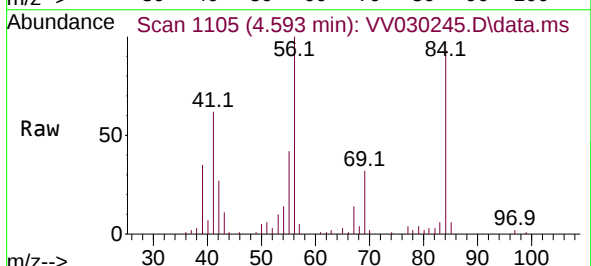
Tgt Ion: 56 Resp: 44957

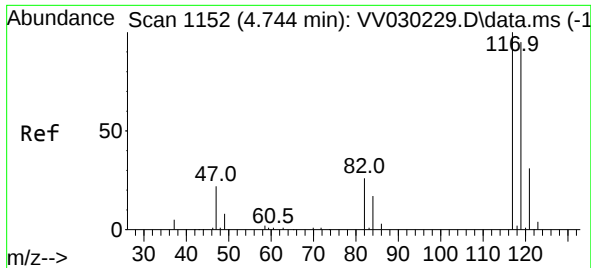
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 91.4 74.6 111.8

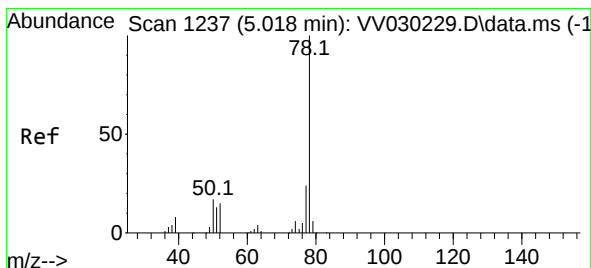
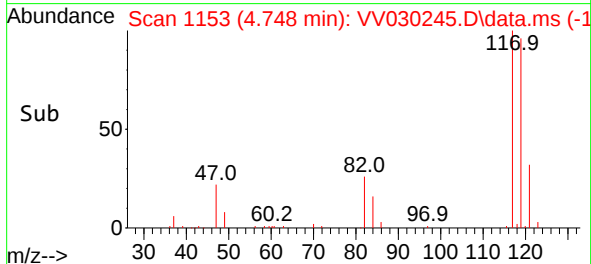
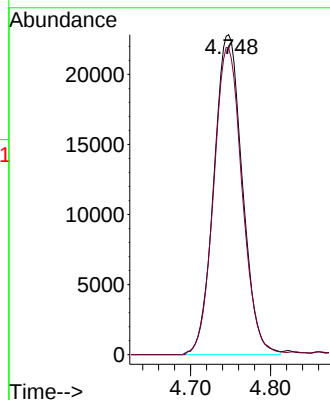
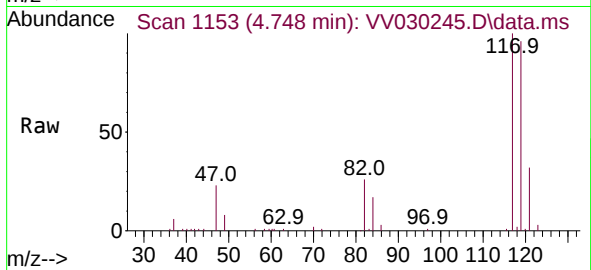




#31
Carbon tetrachloride
Concen: 4.886 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

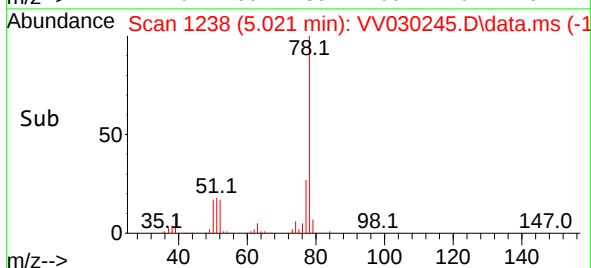
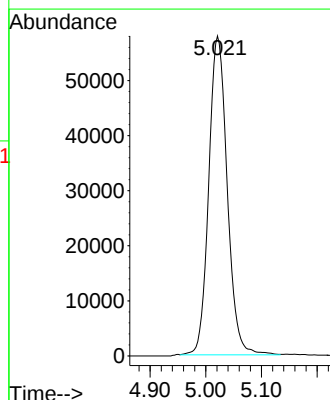
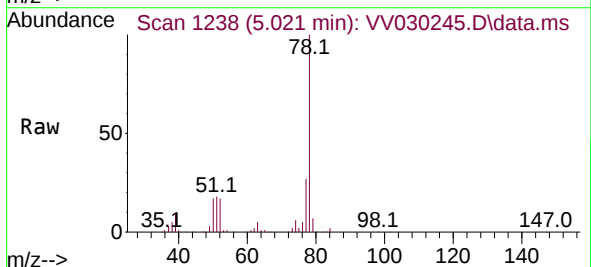
Instrument :
MSVOA_V
ClientSampleId :

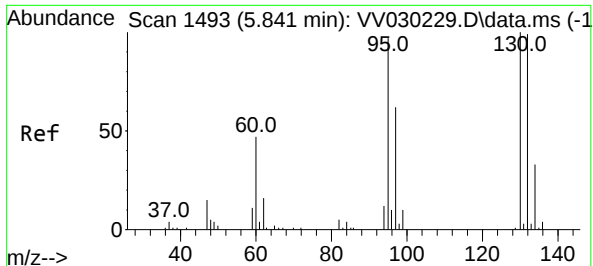
Tgt Ion:117 Resp: 56335
Ion Ratio Lower Upper
117 100
119 96.1 76.1 114.1



#33
Benzene
Concen: 4.471 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 78 Resp: 133344



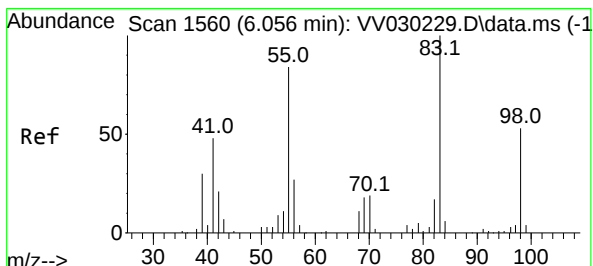
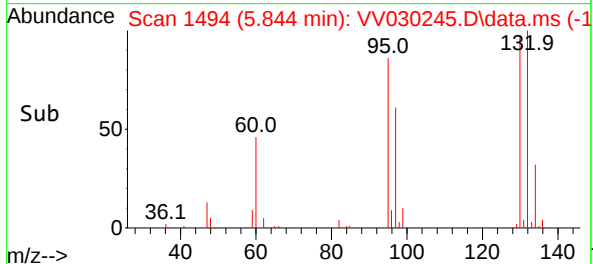
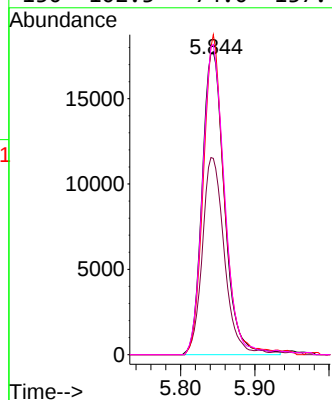
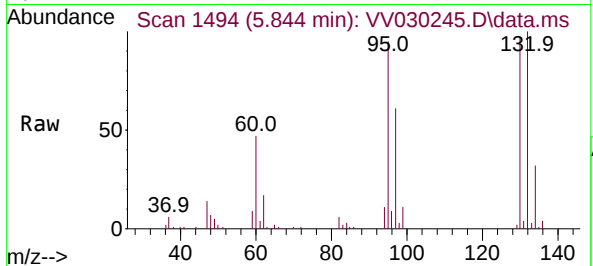


#34
Trichloroethene
Concen: 4.422 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 36950

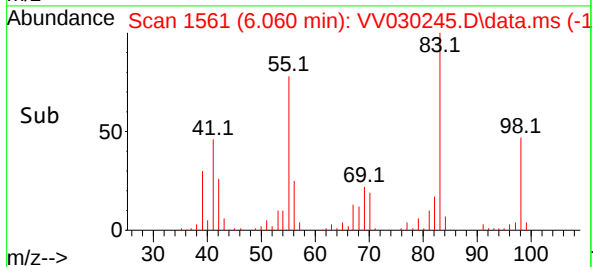
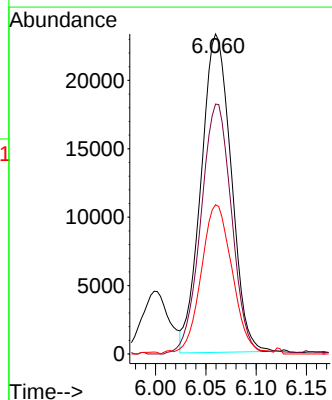
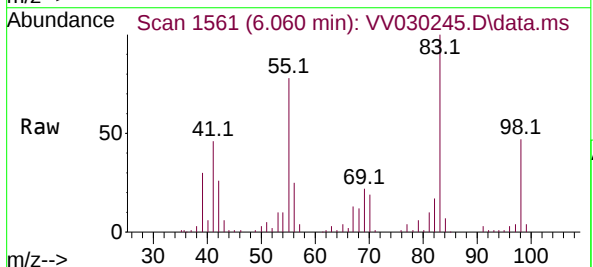
Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.5	86.5
132	105.6	71.7	133.3
130	102.3	74.0	137.4

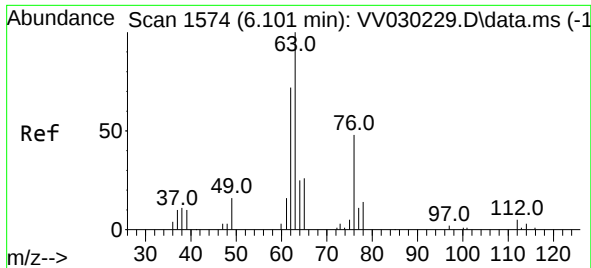


#35
Methylcyclohexane
Concen: 3.832 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 83 Resp: 48461

Ion	Ratio	Lower	Upper
83	100		
55	80.1	57.6	86.4
98	48.7	38.8	58.2

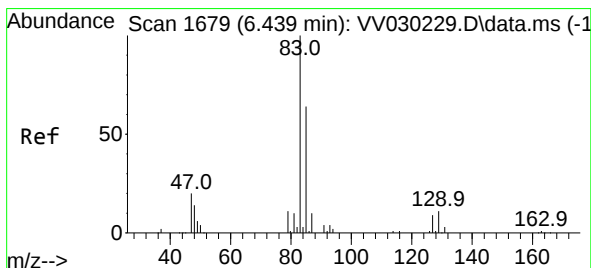
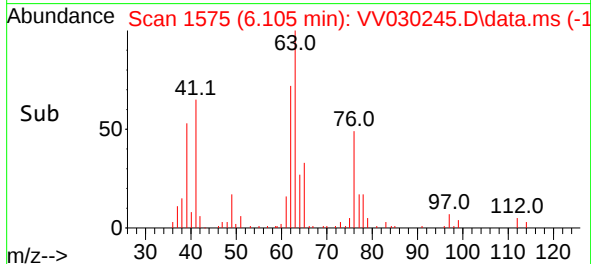
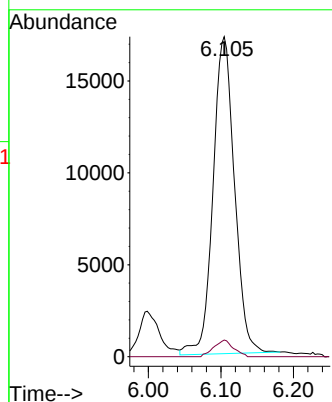
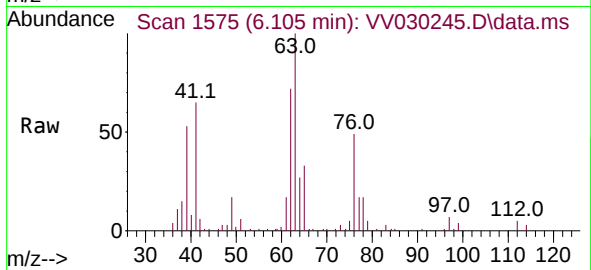




#37
1,2-Dichloropropane
Concen: 4.675 ug/L
RT: 6.105 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

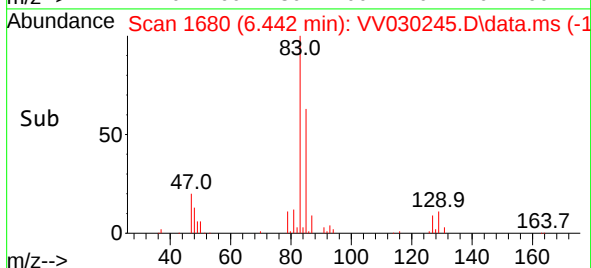
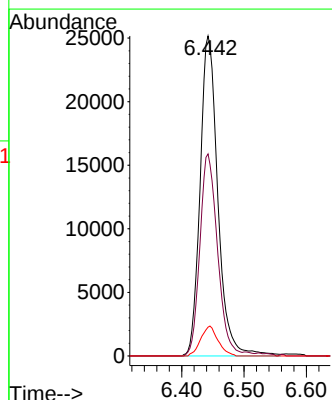
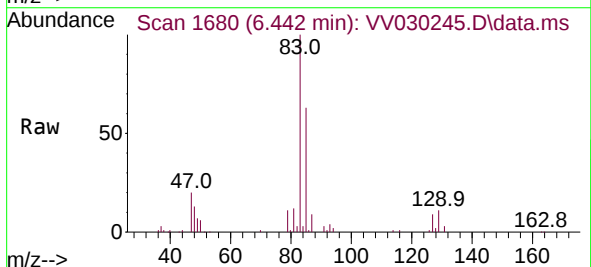
Instrument :
MSVOA_V
ClientSampleId :

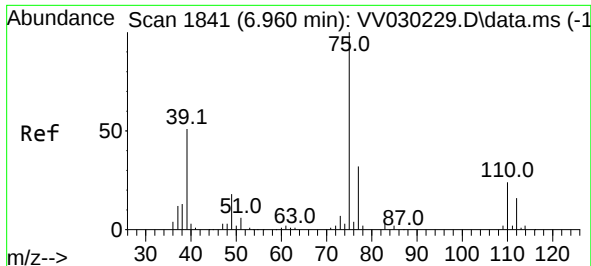
Tgt Ion: 63 Resp: 35470
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.6



#38
Bromodichloromethane
Concen: 5.152 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 83 Resp: 49902
Ion Ratio Lower Upper
83 100
85 63.2 44.3 82.3
127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.250 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

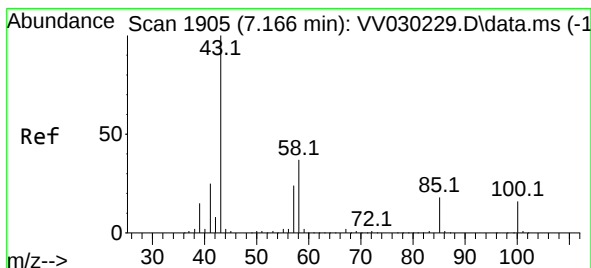
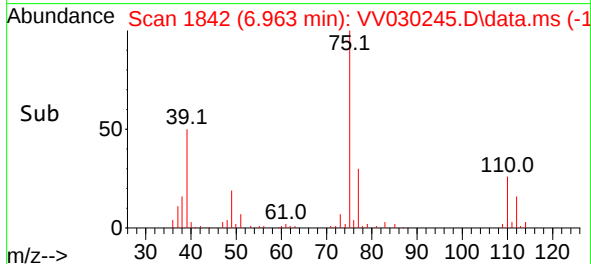
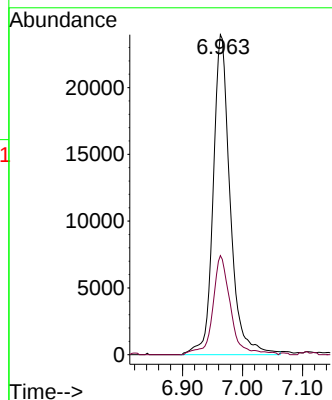
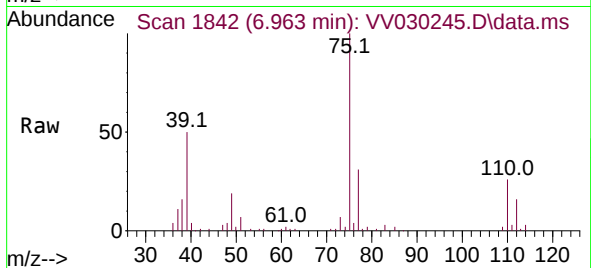
ClientSampleId :

Tgt Ion: 75 Resp: 47207

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 64.226 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

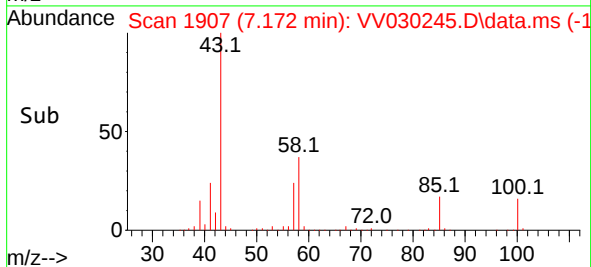
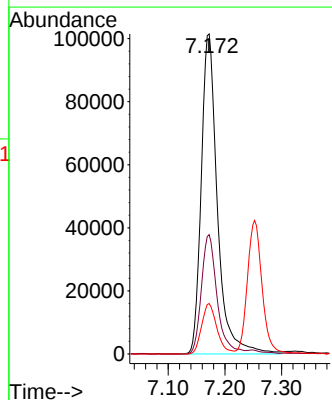
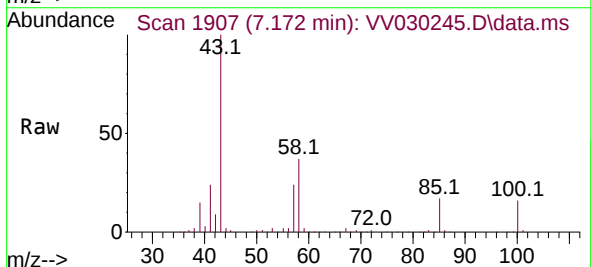
Tgt Ion: 43 Resp: 201070

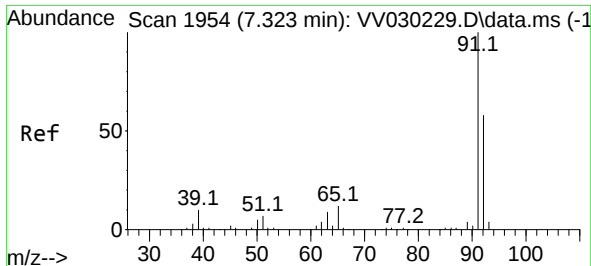
Ion Ratio Lower Upper

43 100

58 36.2 35.3 52.9

100 14.9 14.7 22.1





#42

Toluene

Concen: 4.608 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

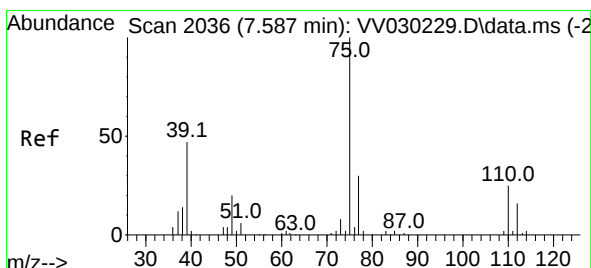
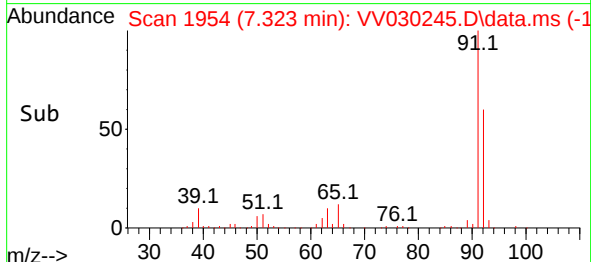
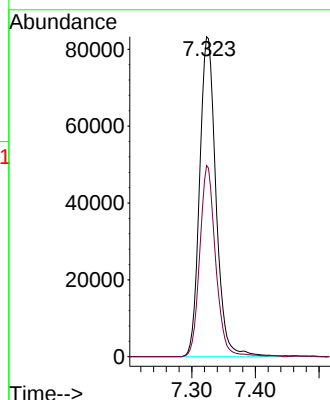
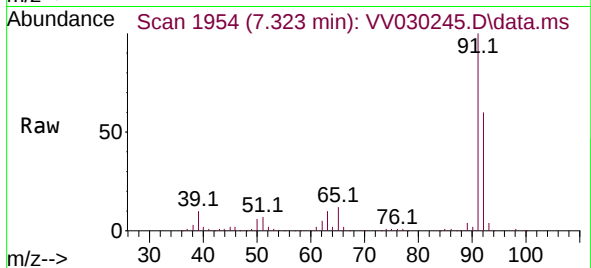
ClientSampleId :

Tgt Ion: 91 Resp: 148838

Ion Ratio Lower Upper

91 100

92 59.8 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.707 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030245.D

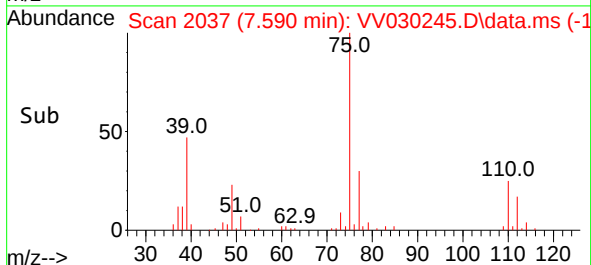
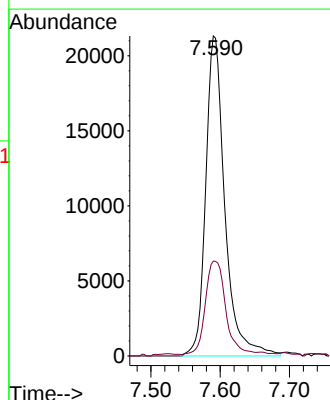
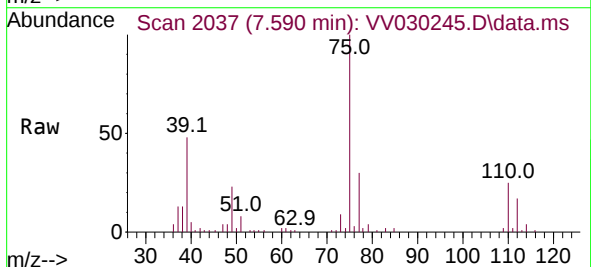
Acq: 17 Mar 2023 19:59

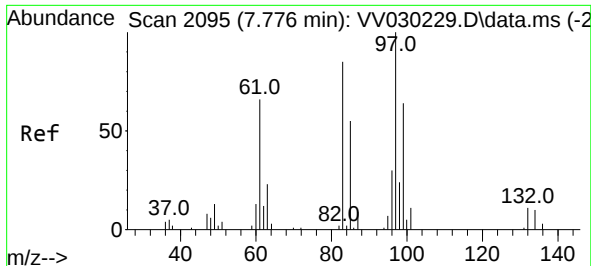
Tgt Ion: 75 Resp: 40807

Ion Ratio Lower Upper

75 100

77 29.7 22.1 41.1

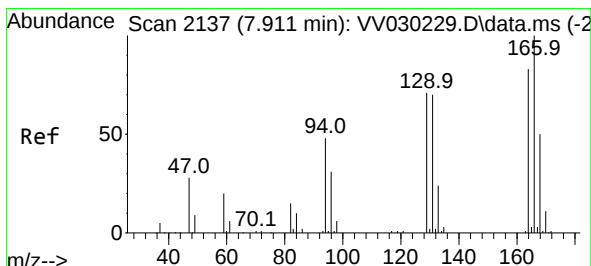
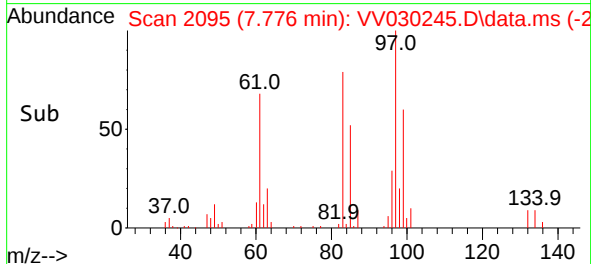
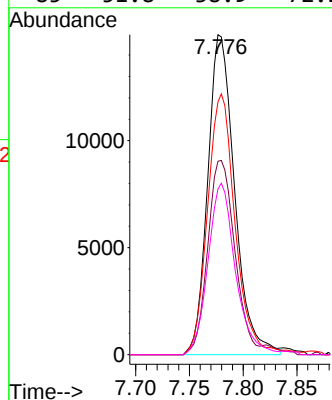
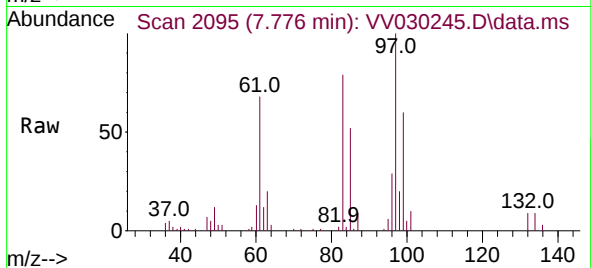




#45
1,1,2-Trichloroethane
Concen: 4.804 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

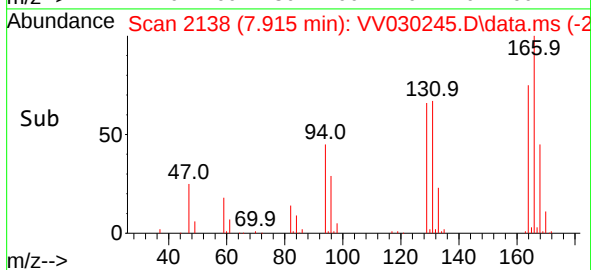
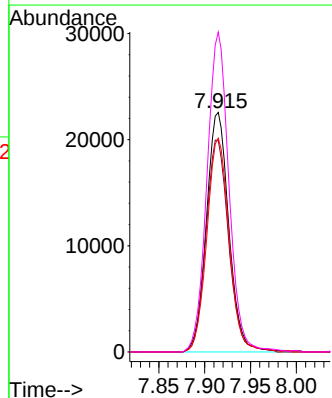
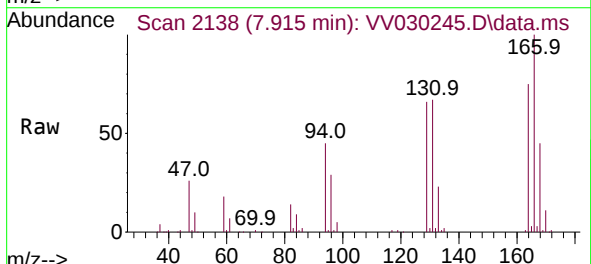
Instrument :
MSVOA_V
ClientSampleId :

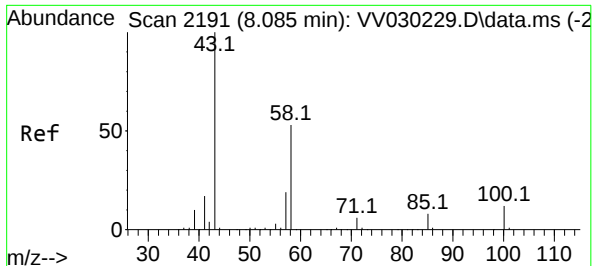
Tgt Ion:	97	Resp:	26078
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.6	79.2
83	79.0	57.7	107.3
85	51.8	38.9	72.2



#47
Tetrachloroethene
Concen: 5.356 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion:	164	Resp:	38415
Ion	Ratio	Lower	Upper
164	100		
129	88.3	63.6	118.2
131	89.3	61.7	114.7
166	133.6	90.8	168.6



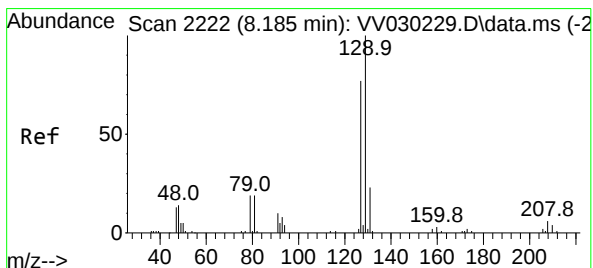
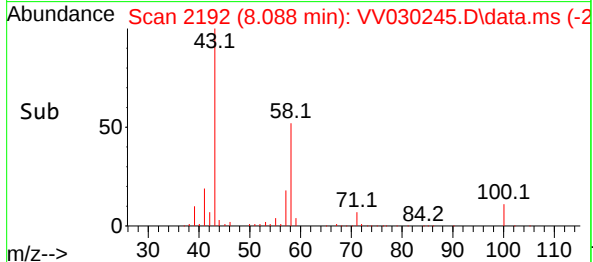
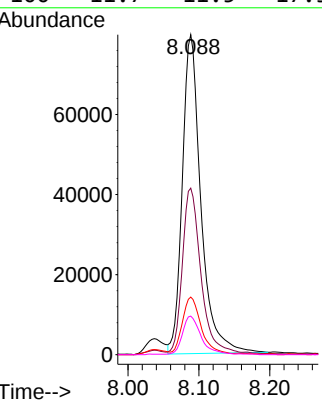
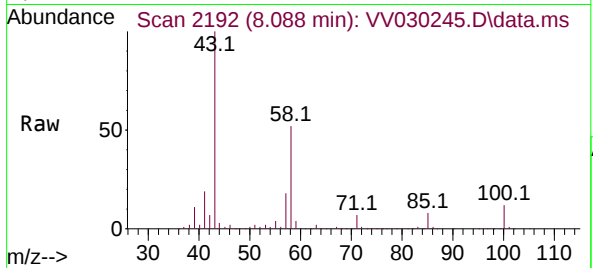


#48
2-Hexanone
Concen: 64.869 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 145387

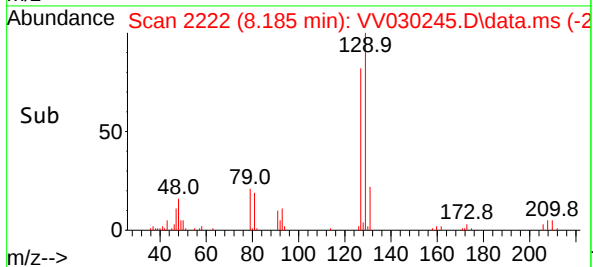
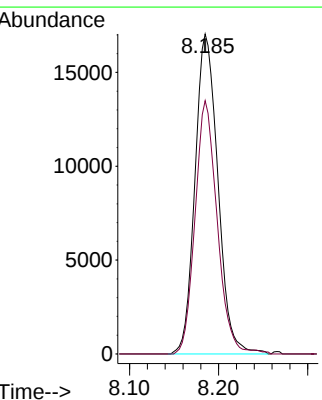
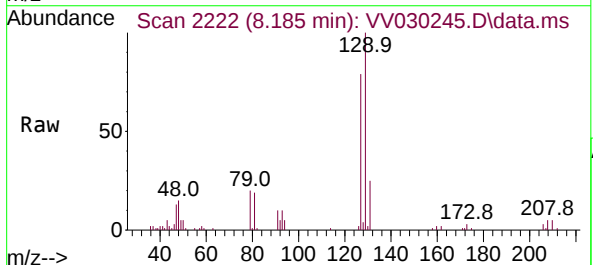
Ion	Ratio	Lower	Upper
43	100		
58	50.9	49.8	74.8
57	17.7	16.6	24.8
100	11.7	11.5	17.3

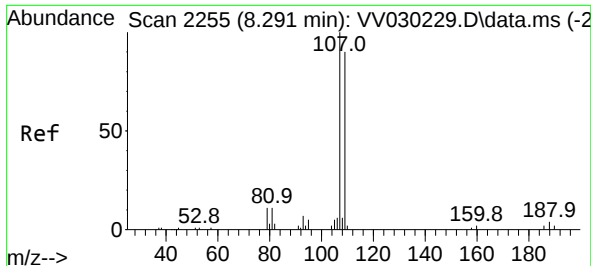


#49
Dibromochloromethane
Concen: 4.790 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 129 Resp: 30428

Ion	Ratio	Lower	Upper
129	100		
127	79.2	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.568 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030245.D

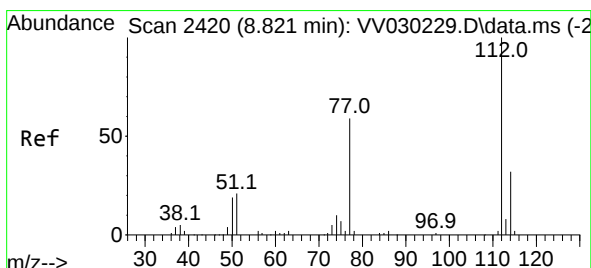
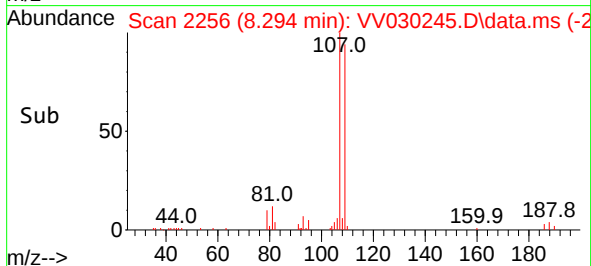
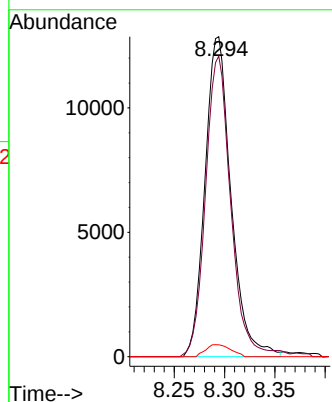
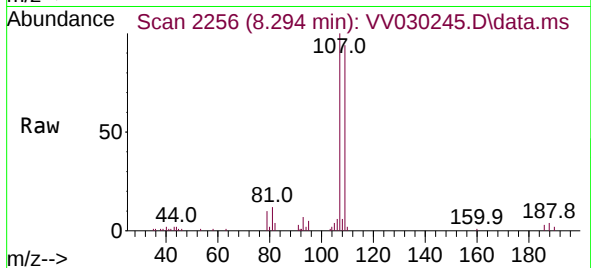
Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	23138
Ion Ratio	Lower	Upper
107	100	
109	94.0	63.3 117.7
188	3.7	3.0 4.6



#51

Chlorobenzene

Concen: 4.428 ug/L

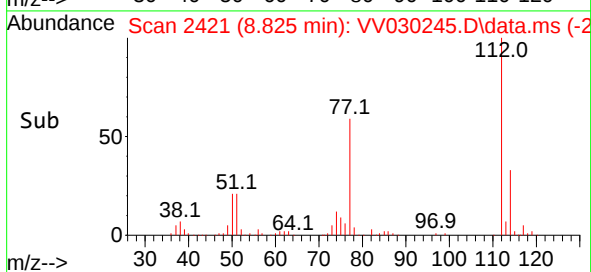
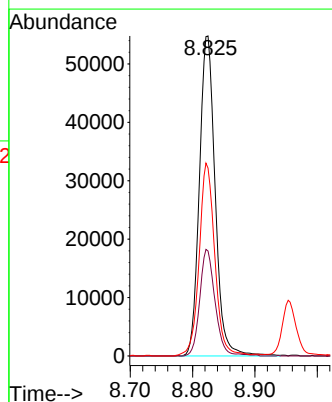
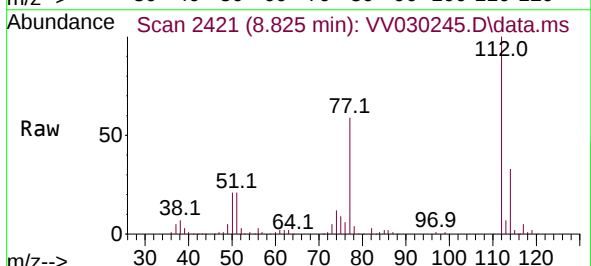
RT: 8.825 min Scan# 2421

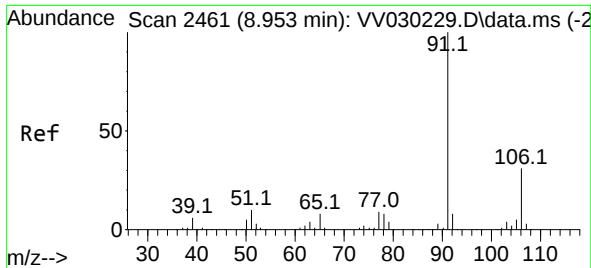
Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Tgt Ion:112	Resp:	96453
Ion Ratio	Lower	Upper
112	100	
114	32.8	22.5 41.7
77	58.7	45.3 67.9

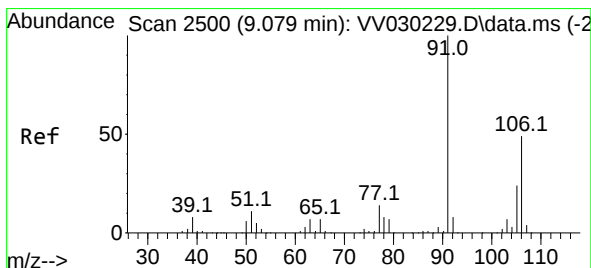
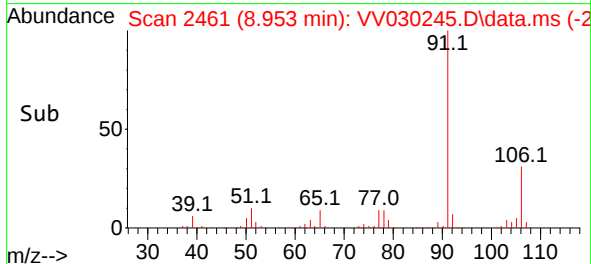
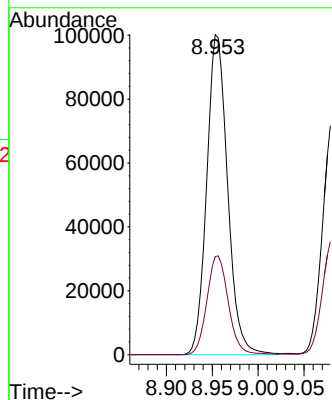
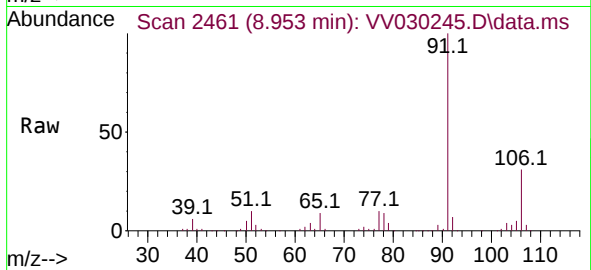




#52
Ethylbenzene
Concen: 4.512 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

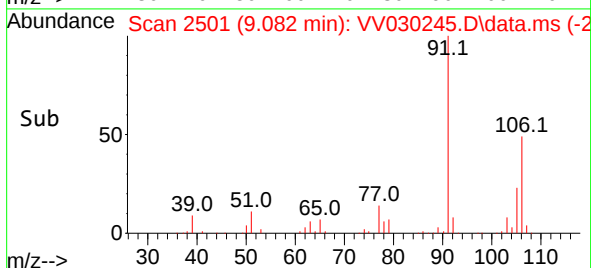
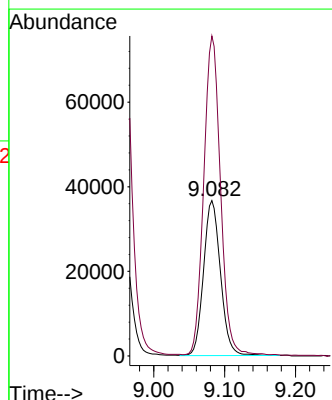
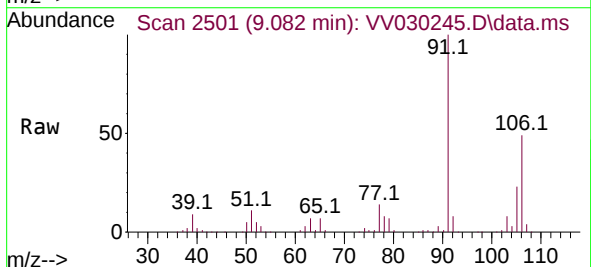
Instrument :
MSVOA_V
ClientSampleId :

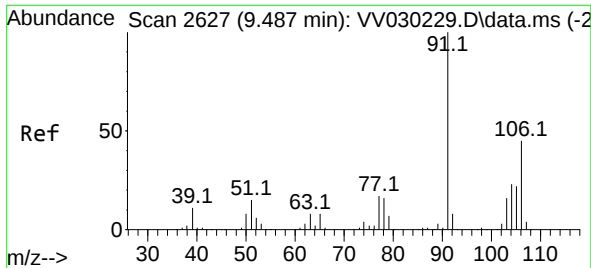
Tgt Ion: 91 Resp: 158600
Ion Ratio Lower Upper
91 100
106 30.7 22.0 40.8



#53
m,p-Xylene
Concen: 4.499 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 106 Resp: 60781
Ion Ratio Lower Upper
106 100
91 206.0 142.5 264.7

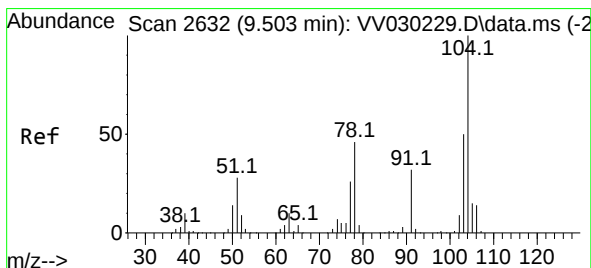
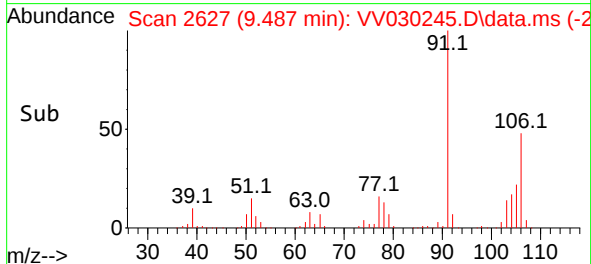
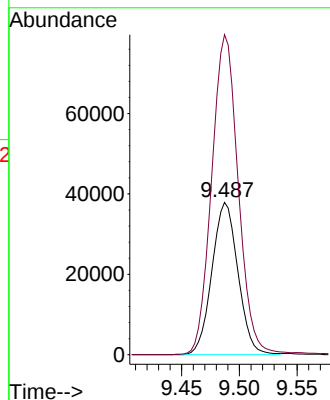
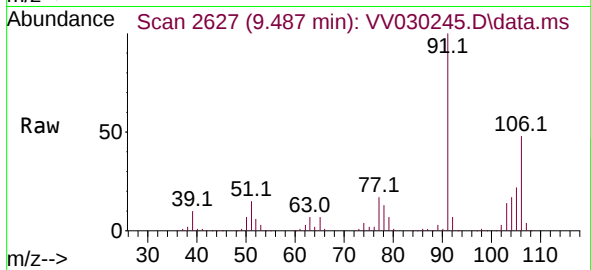




#54
o-Xylene
Concen: 4.594 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

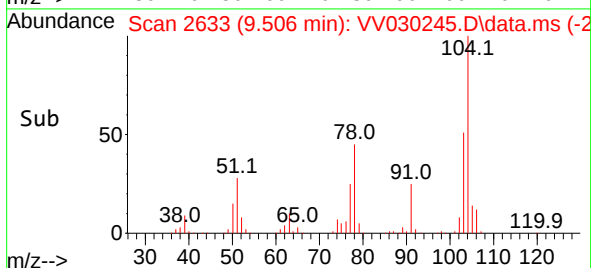
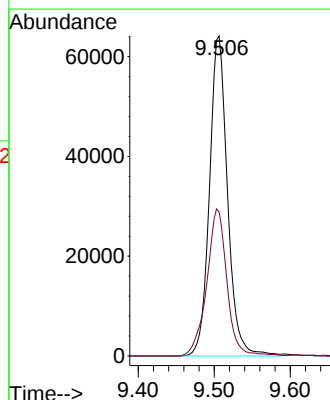
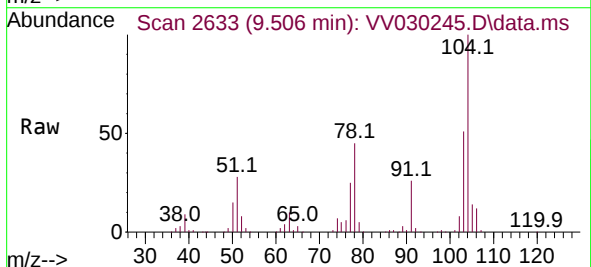
Instrument :
MSVOA_V
ClientSampleId :

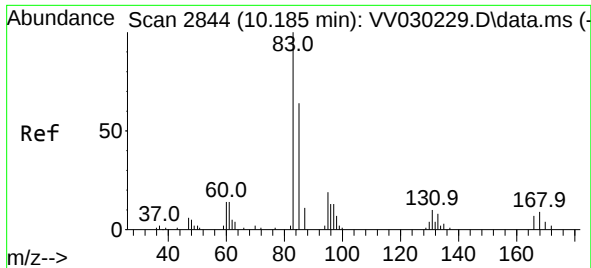
Tgt Ion:106 Resp: 59287
Ion Ratio Lower Upper
106 100
91 210.0 148.8 276.4



#55
Styrene
Concen: 4.930 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion:104 Resp: 105792
Ion Ratio Lower Upper
104 100
78 45.1 31.1 57.9

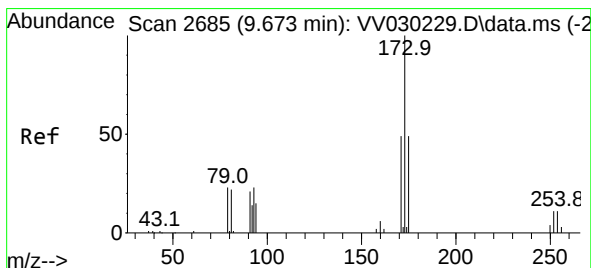
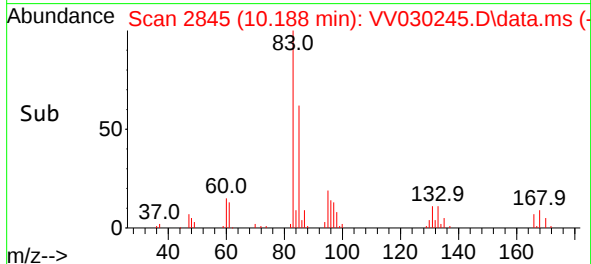
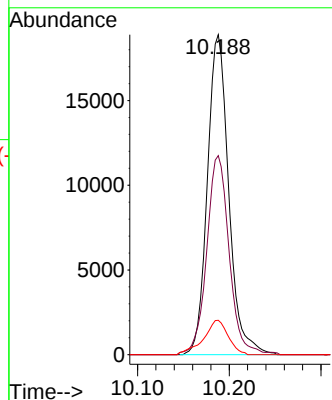
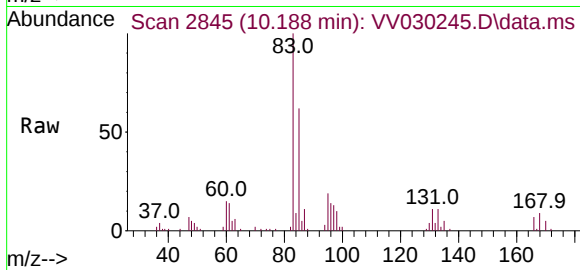




#57
1,1,2,2-Tetrachloroethane
Concen: 5.037 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

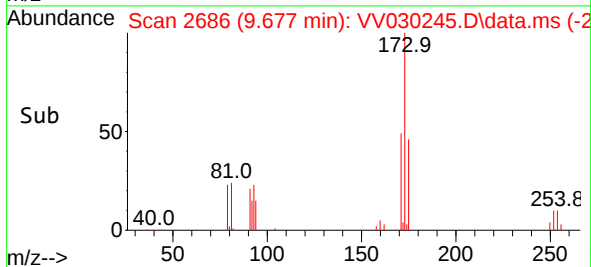
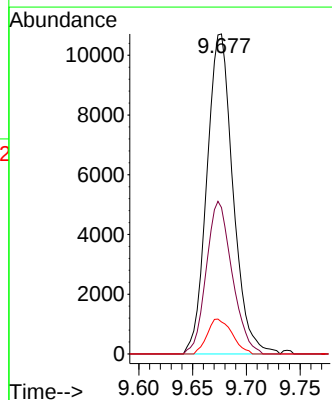
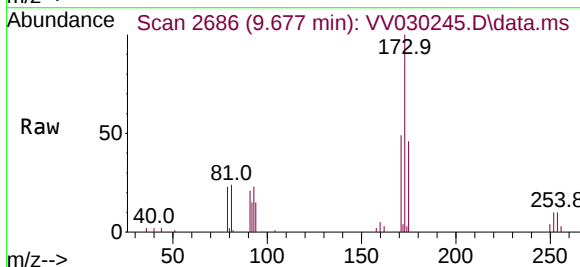
Instrument :
MSVOA_V
ClientSampleId :

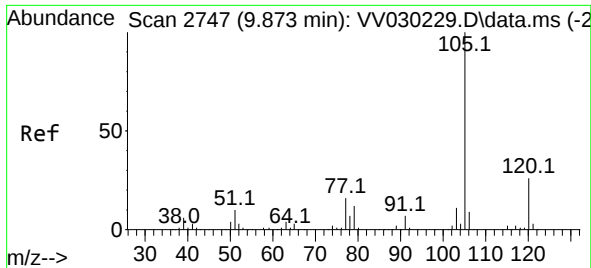
Tgt Ion:	83	Resp:	30586
Ion Ratio	Lower	Upper	
83	100		
85	62.2	45.0	83.6
131	10.8	8.2	12.4



#59
Bromoform
Concen: 4.962 ug/L
RT: 9.677 min Scan# 2686
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion:	173	Resp:	18104
Ion Ratio	Lower	Upper	
173	100		
175	47.1	38.5	57.7
254	10.4	8.6	13.0

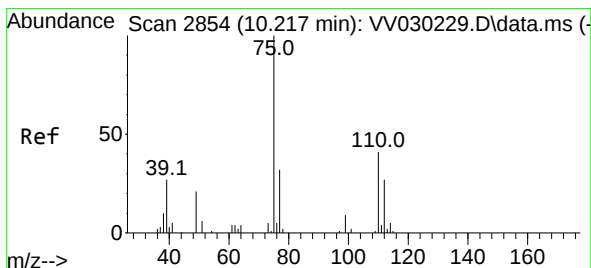
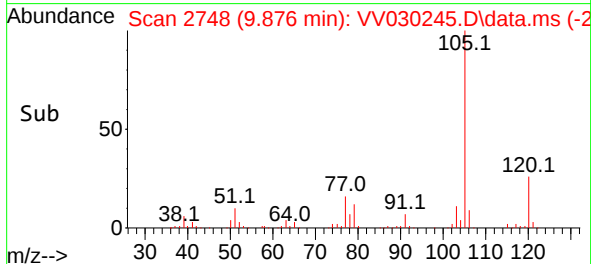
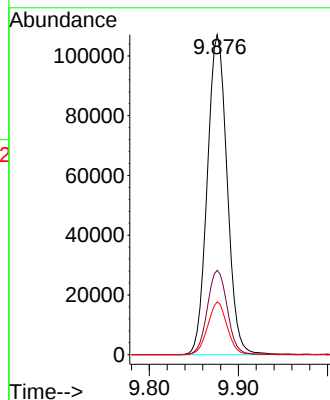
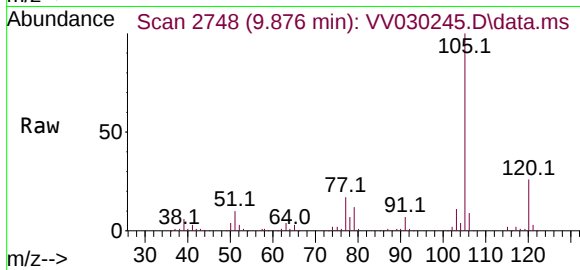




#60
Isopropylbenzene
Concen: 4.721 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

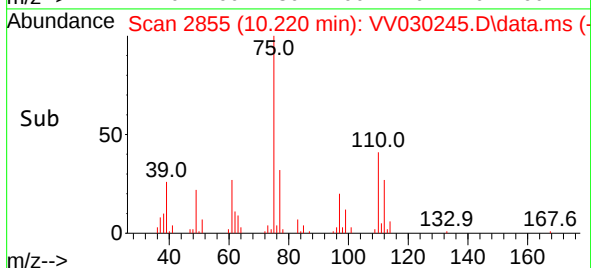
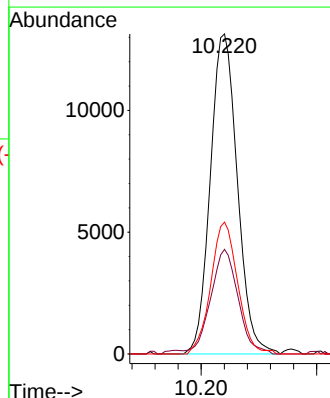
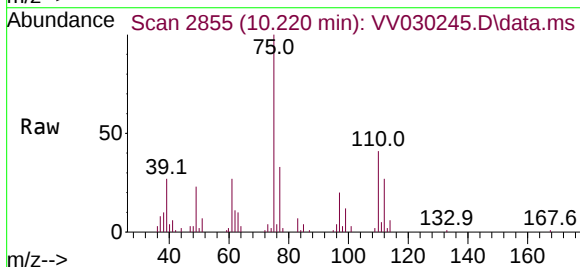
Instrument :
MSVOA_V
ClientSampleId :

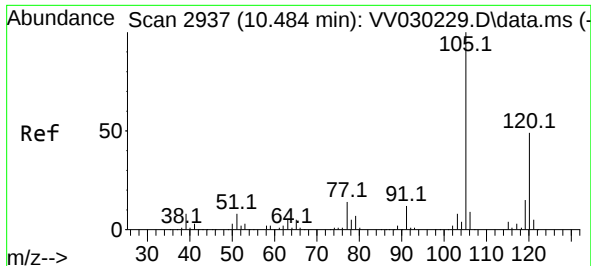
Tgt Ion:105 Resp: 165355
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 16.2 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.246 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 75 Resp: 21374
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7
110 41.0 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.699 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

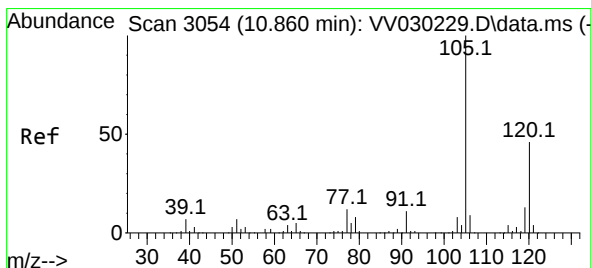
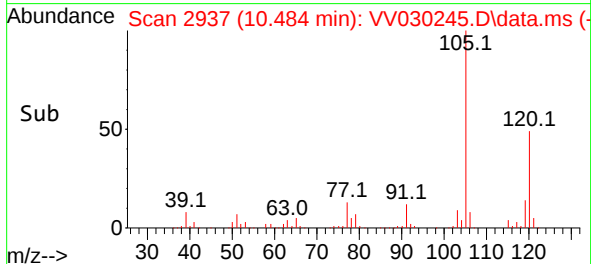
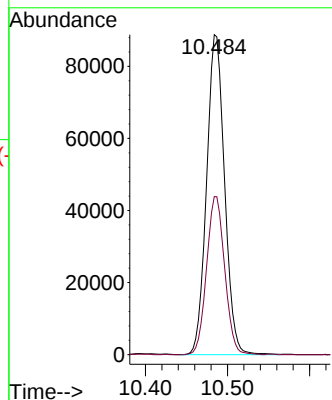
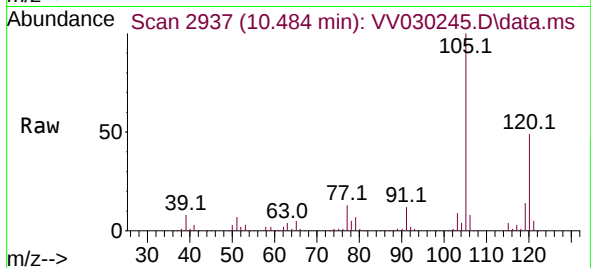
ClientSampleId :

Tgt Ion:105 Resp: 135178

Ion Ratio Lower Upper

105 100

120 49.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.774 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030245.D

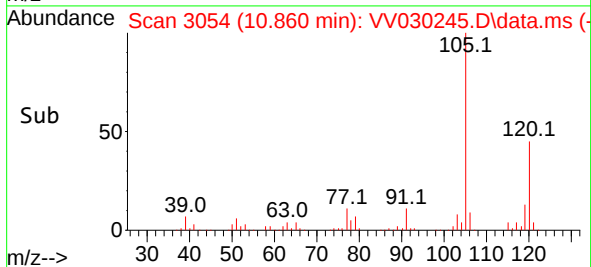
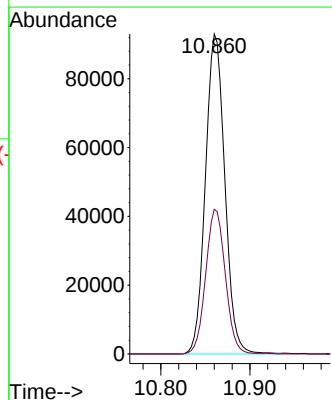
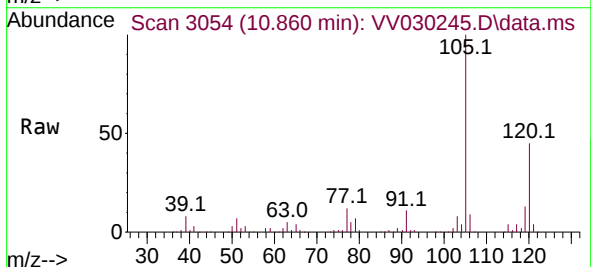
Acq: 17 Mar 2023 19:59

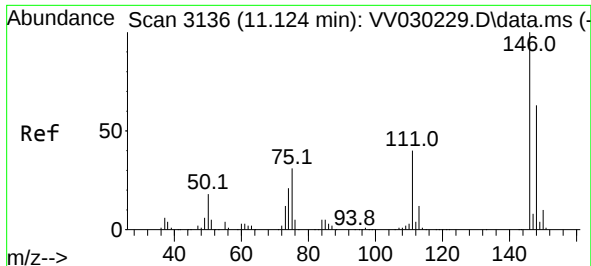
Tgt Ion:105 Resp: 140502

Ion Ratio Lower Upper

105 100

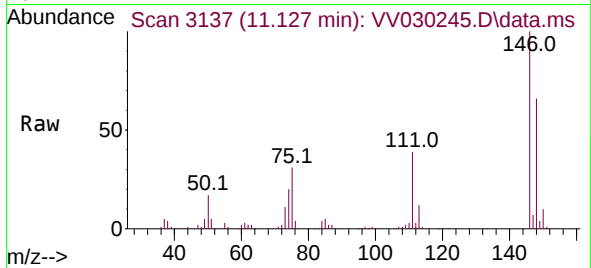
120 45.8 36.2 54.4



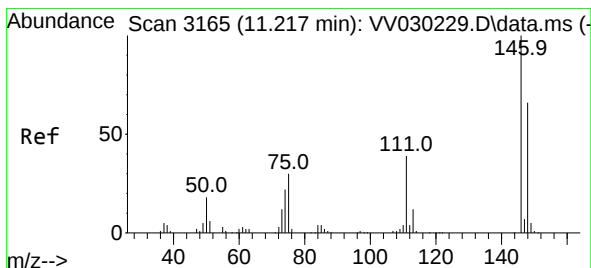
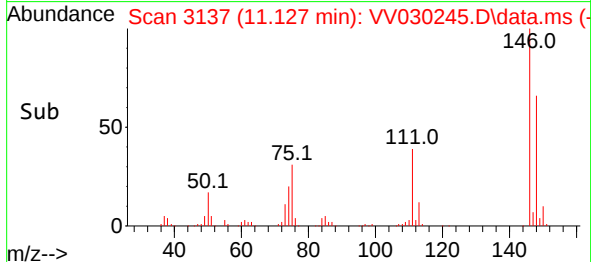
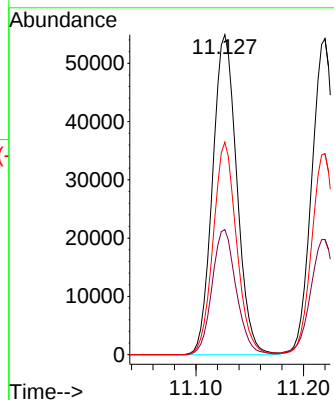


#64
 1,3-Dichlorobenzene
 Concen: 4.724 ug/L
 RT: 11.127 min Scan# 3137
 Delta R.T. 0.003 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

Instrument :
 MSVOA_V
 ClientSampleId :

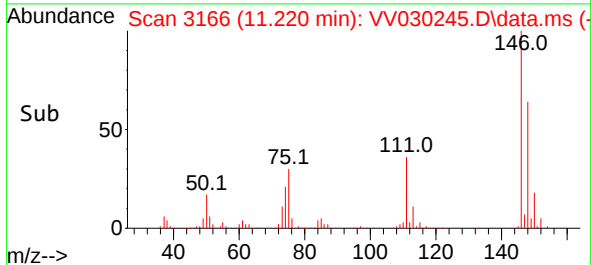
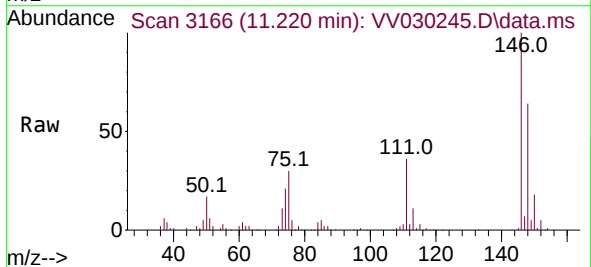
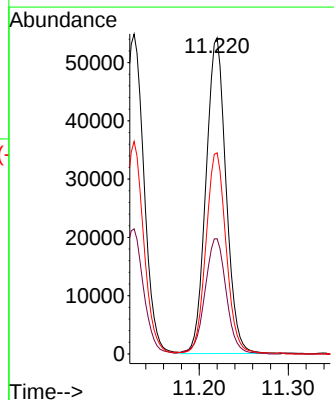


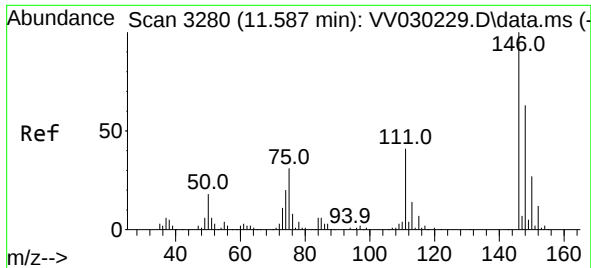
Tgt Ion:146 Resp: 86139
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.7 51.5
 148 66.4 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.597 ug/L
 RT: 11.220 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: VV030245.D
 Acq: 17 Mar 2023 19:59

Tgt Ion:146 Resp: 84577
 Ion Ratio Lower Upper
 146 100
 111 36.5 27.4 51.0
 148 63.6 44.1 81.9

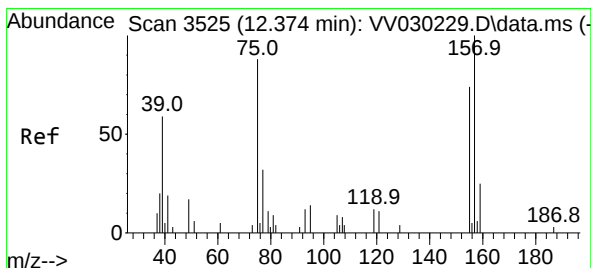
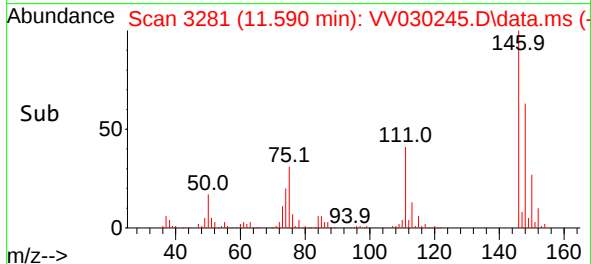
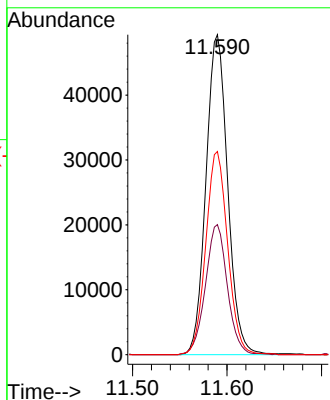
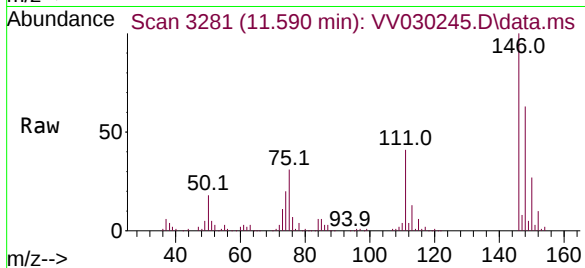




#67
1,2-Dichlorobenzene
Concen: 4.884 ug/L
RT: 11.590 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

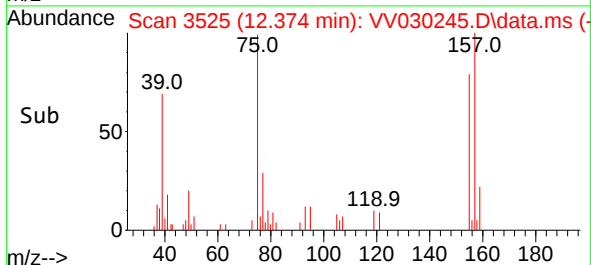
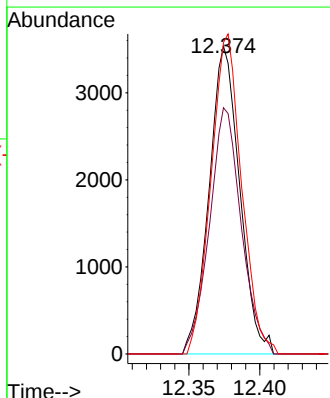
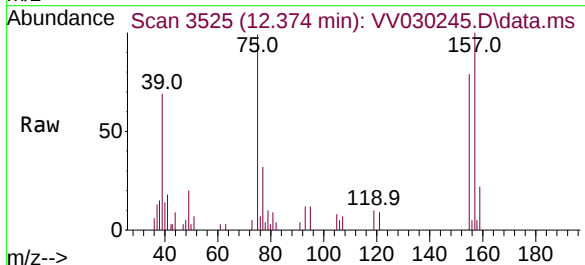
Instrument :
MSVOA_V
ClientSampleId :

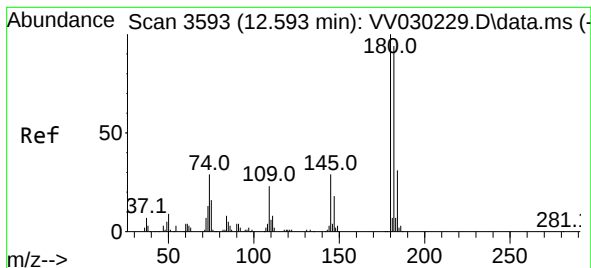
Tgt Ion:146 Resp: 78639
Ion Ratio Lower Upper
146 100
111 40.7 33.5 50.3
148 63.5 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.832 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030245.D
Acq: 17 Mar 2023 19:59

Tgt Ion: 75 Resp: 5306
Ion Ratio Lower Upper
75 100
155 80.0 79.1 118.7
157 101.2 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.321 ug/L

RT: 12.593 min Scan# 31

Delta R.T. 0.000 min

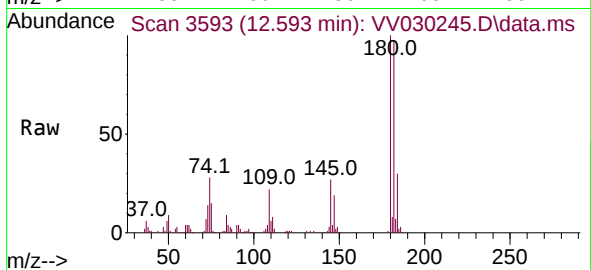
Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 64775

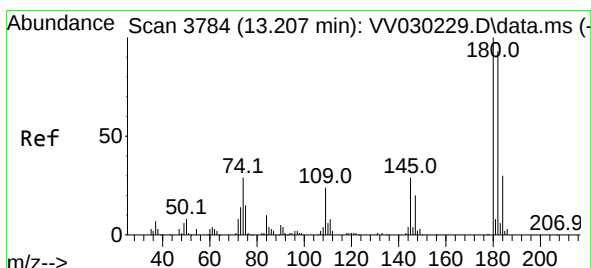
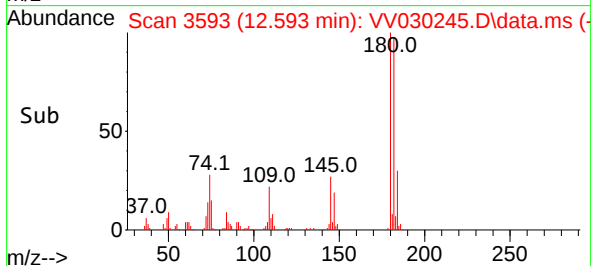
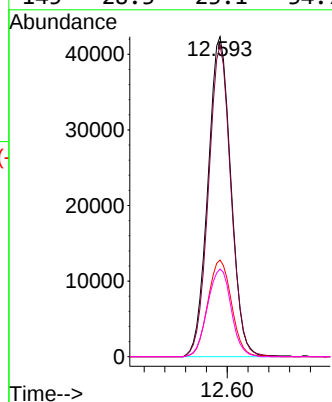
Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

184 31.2 24.3 36.5

145 28.3 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.134 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

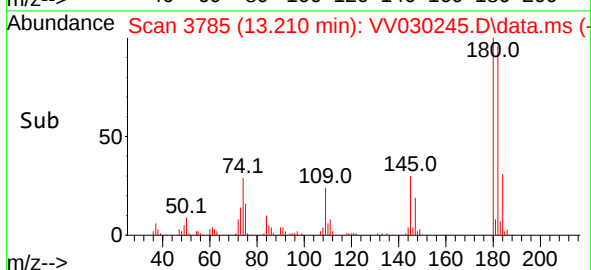
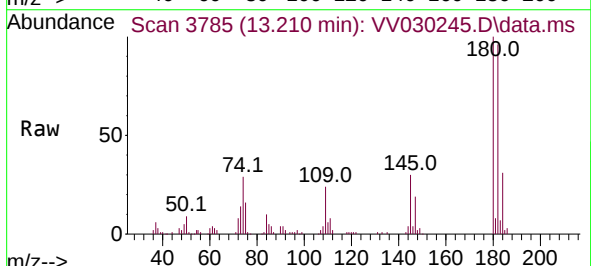
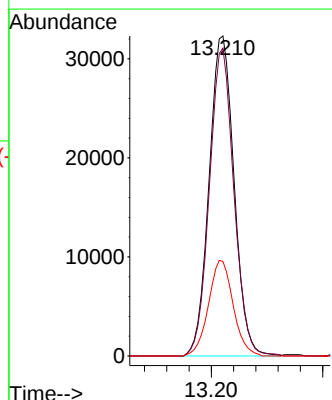
Tgt Ion:180 Resp: 50210

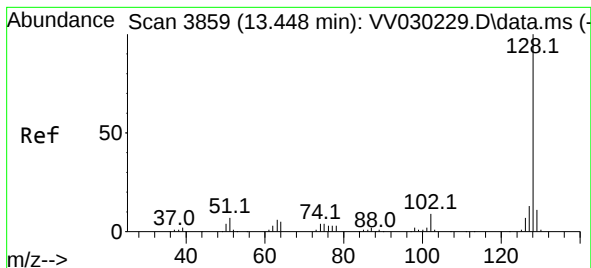
Ion Ratio Lower Upper

180 100

182 94.4 77.3 115.9

145 29.5 23.1 34.7





#71

Naphthalene

Concen: 4.524 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

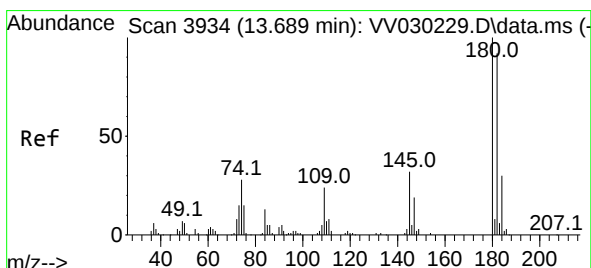
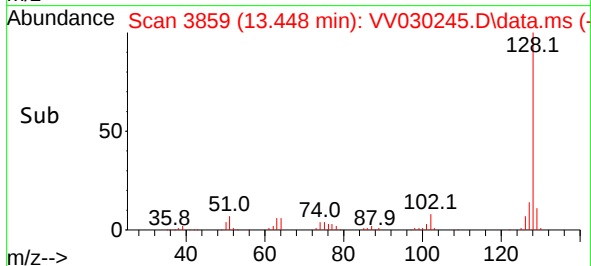
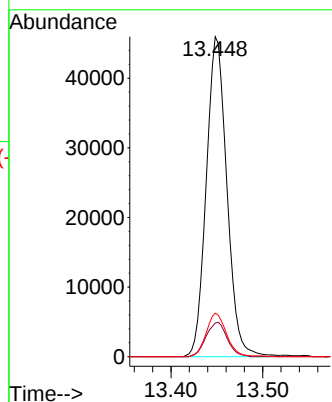
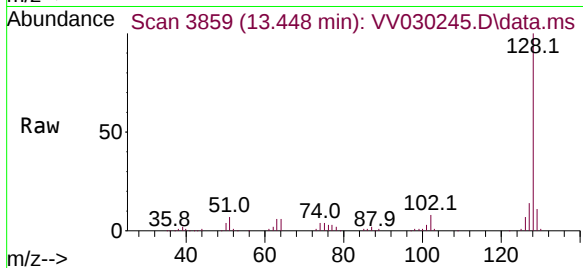
Tgt Ion:128 Resp: 71804

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.5 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.373 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030245.D

Acq: 17 Mar 2023 19:59

Tgt Ion:180 Resp: 43714

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 30.8 25.1 37.7

