

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030070.D
 Acq On : 20 Feb 2023 09:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

Quant Time: Feb 20 22:57:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 01:04:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	449480	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	428290	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	266168	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	111998	35.047	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.100%
7) Chloroethane-d5	1.535	69	98301	40.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.066	63	240799	39.389	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.780%
21) 2-Butanone-d5	3.793	46	182148	91.333	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.330%
24) Chloroform-d	4.256	84	255722	43.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.100%
26) 1,2-Dichloroethane-d4	4.947	65	148232	42.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.440%
32) Benzene-d6	4.966	84	467236	41.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.160%
36) 1,2-Dichloropropane-d6	5.995	67	156251	43.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.400%
41) Toluene-d8	7.249	98	446293	41.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.140%
43) trans-1,3-Dichloroprop...	7.558	79	78825	43.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.700%
47) 2-Hexanone-d5	8.030	63	155498	92.217	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.220%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	251087	46.280	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.560%
66) 1,2-Dichlorobenzene-d4	11.570	152	207472	43.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	244069	51.299	ug/L	100
3) Chloromethane	1.217	50	293540	48.082	ug/L	99
5) Vinyl chloride	1.285	62	214172	50.377	ug/L	99
6) Bromomethane	1.490	94	42031	54.388	ug/L	99
8) Chloroethane	1.552	64	126948	51.178	ug/L	100
9) Trichlorofluoromethane	1.715	101	289350	51.343	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	177227	51.383	ug/L	98
12) 1,1-Dichloroethene	2.072	96	156355	50.392	ug/L	96
13) Acetone	2.124	43	155757	101.757	ug/L	100
14) Carbon disulfide	2.246	76	447235	48.745	ug/L	100
15) Methyl Acetate	2.378	43	152791	48.005	ug/L	100
16) Methylene chloride	2.452	84	168535	49.614	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	159259	50.211	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	516059	51.126	ug/L	99
19) 1,1-Dichloroethane	3.117	63	297333	50.861	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	179836	51.269	ug/L	99
22) 2-Butanone	3.876	43	212974	99.167	ug/L	99
23) Bromochloromethane	4.156	128	95081	50.840	ug/L	97
25) Chloroform	4.285	83	307937	51.669	ug/L	99

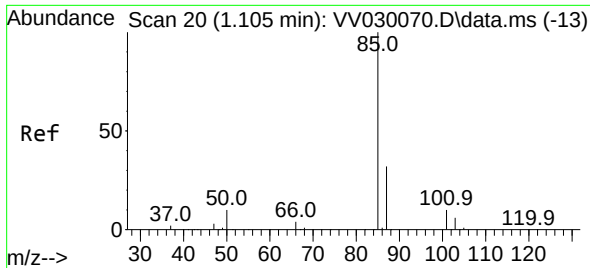
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
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 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 01:04:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	226121	50.800	ug/L	99
29) Cyclohexane	4.590	56	259343	51.966	ug/L	100
30) 1,1,1-Trichloroethane	4.522	97	275466	51.776	ug/L	99
31) Carbon tetrachloride	4.744	117	242503	51.920	ug/L	99
33) Benzene	5.018	78	645423	51.078	ug/L	100
34) Trichloroethene	5.838	95	179910	52.311	ug/L	98
35) Methylcyclohexane	6.059	83	282021	51.656	ug/L	99
37) 1,2-Dichloropropane	6.098	63	172134	51.726	ug/L	100
38) Bromodichloromethane	6.439	83	232152	51.939	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	292137	52.223	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	420703	101.691	ug/L	100
42) Toluene	7.323	91	710544	51.388	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	268824	52.840	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	176592	51.129	ug/L	100
46) Tetrachloroethene	7.911	164	151871	52.527	ug/L	99
48) 2-Hexanone	8.082	43	318930	100.031	ug/L	99
49) Dibromochloromethane	8.185	129	187443	52.346	ug/L	99
50) 1,2-Dibromoethane	8.288	107	193779	51.141	ug/L	99
51) Chlorobenzene	8.821	112	472709	51.298	ug/L	99
52) Ethylbenzene	8.953	91	798935	52.185	ug/L	100
53) m,p-Xylene	9.082	106	307282	52.534	ug/L	99
54) o-Xylene	9.487	106	299236	53.085	ug/L	97
55) Styrene	9.503	104	522181	54.226	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	289228	51.227	ug/L	99
59) Bromoform	9.673	173	143569	54.468	ug/L	100
60) Isopropylbenzene	9.876	105	821406	51.896	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	215495	48.933	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	685904	52.322	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	684019	53.089	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	409331	51.317	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	412744	50.571	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	405740	51.090	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	62105	48.338	ug/L	99
69) 1,3,5-Trichlorobenzene	12.593	180	325201	51.090	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	300252	50.187	ug/L	100
71) Naphthalene	13.448	128	859138	49.508	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	295739	50.369	ug/L	100

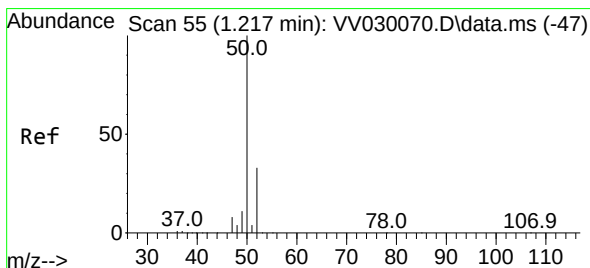
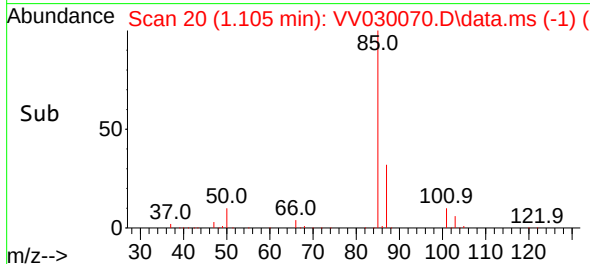
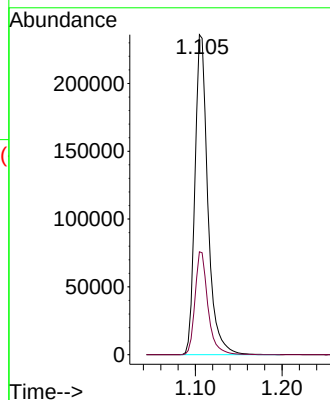
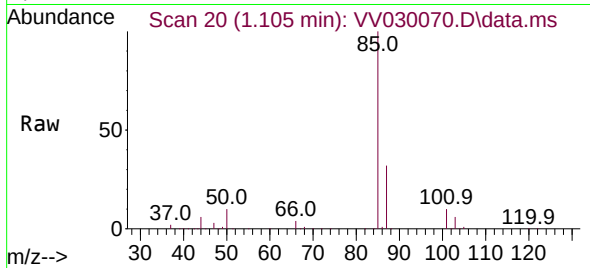
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#2
 Dichlorodifluoromethane
 Concen: 51.299 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

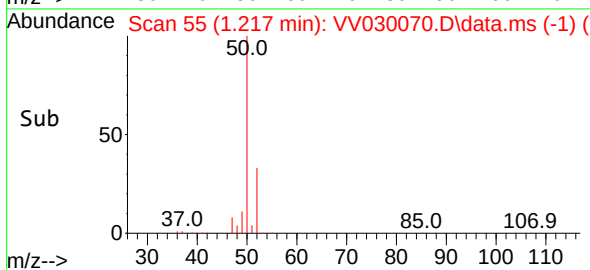
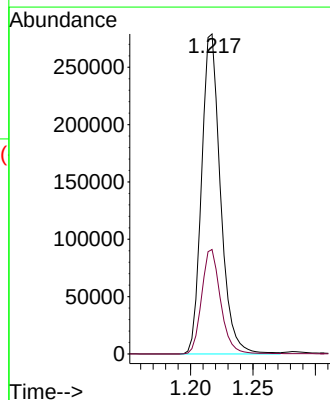
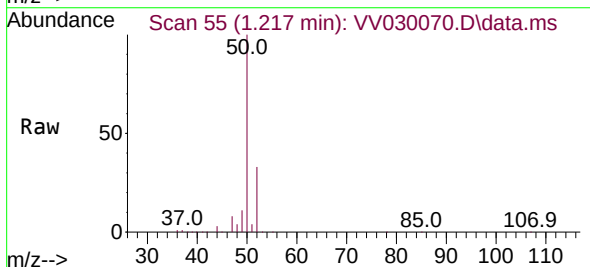
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

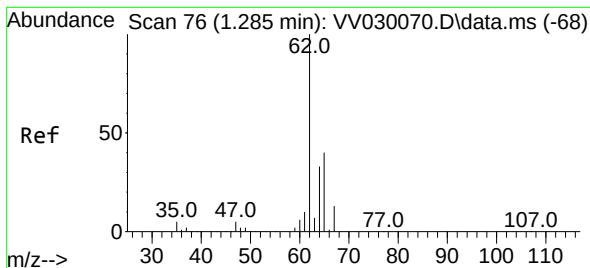
Tgt Ion: 85 Resp: 244069
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 48.082 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

Tgt Ion: 50 Resp: 293540
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.4 43.4





#5

Vinyl chloride

Concen: 50.377 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

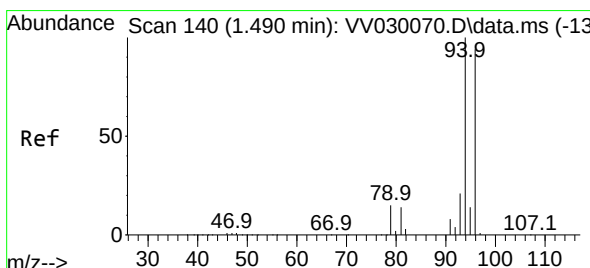
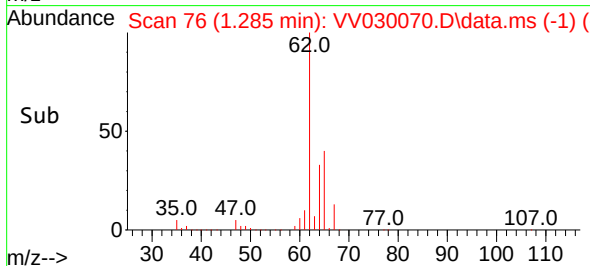
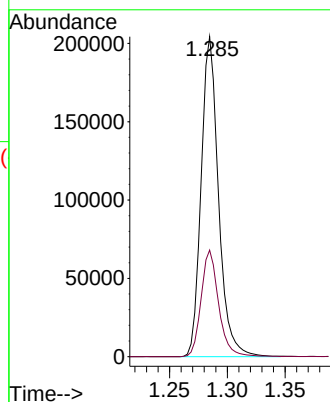
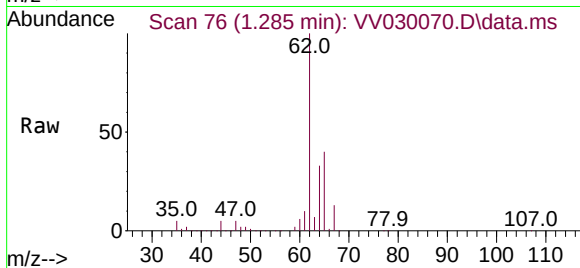
VSTD050283

Tgt Ion: 62 Resp: 214172

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 54.388 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV030070.D

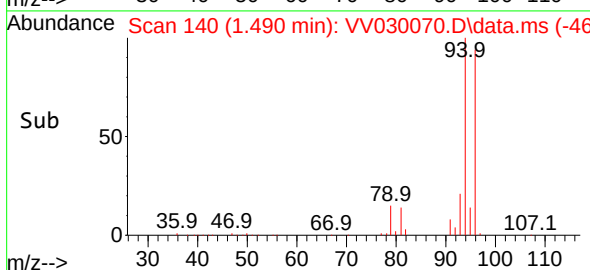
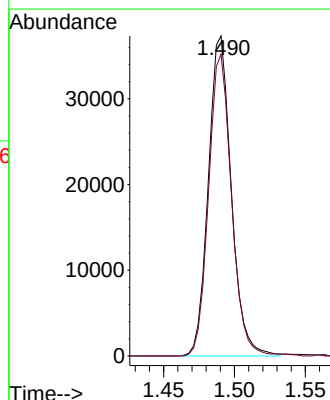
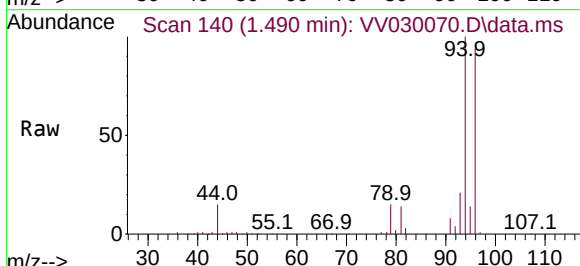
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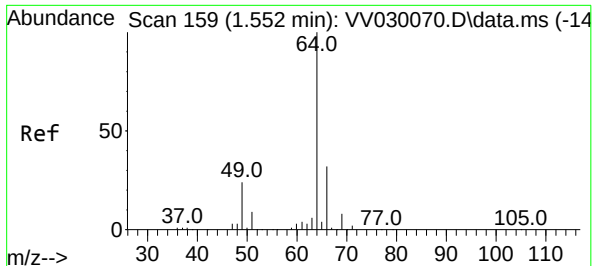
Tgt Ion: 94 Resp: 42031

Ion Ratio Lower Upper

94 100

96 94.3 66.7 123.9

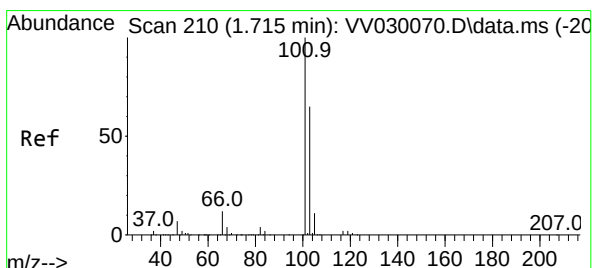
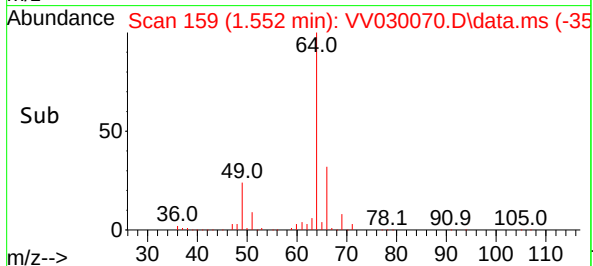
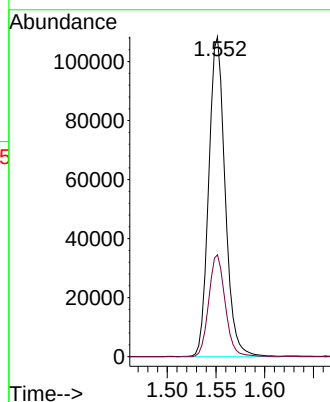
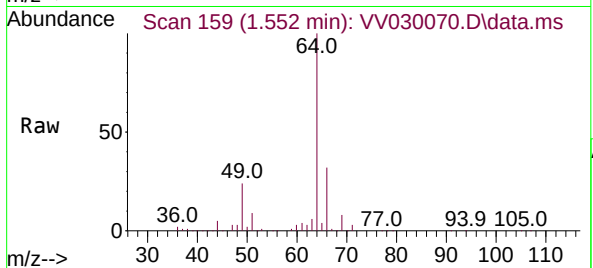




#8
Chloroethane
Concen: 51.178 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

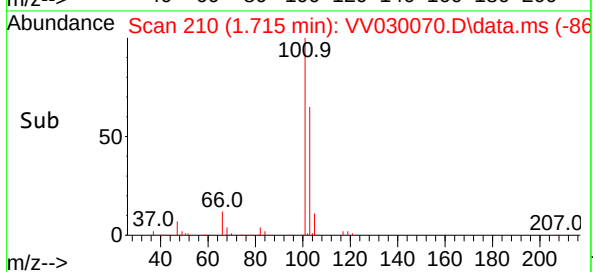
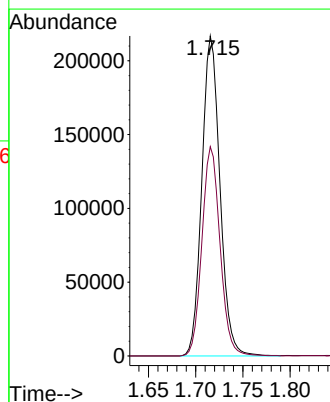
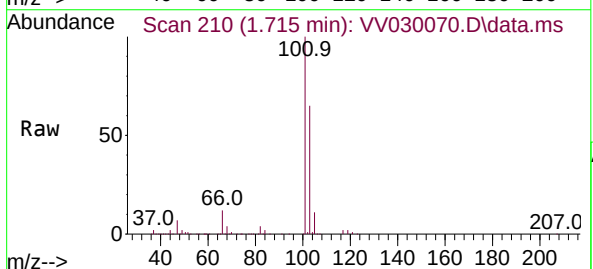
Instrument :
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ClientSampleId :
VSTD050283

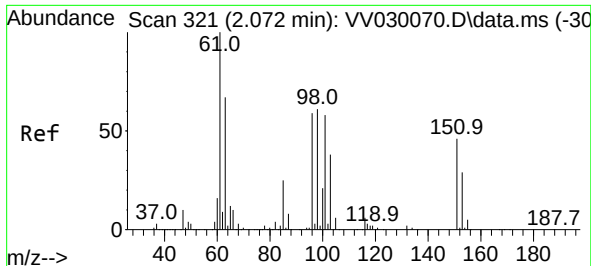
Tgt Ion: 64 Resp: 126948
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 51.343 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion:101 Resp: 289350
Ion Ratio Lower Upper
101 100
103 65.4 52.6 78.8

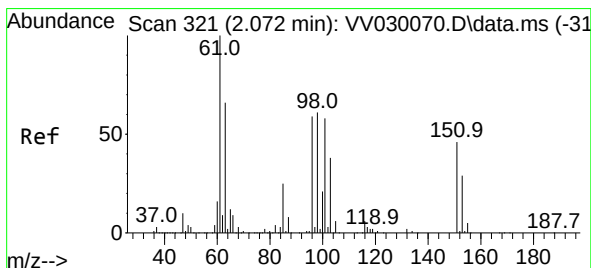
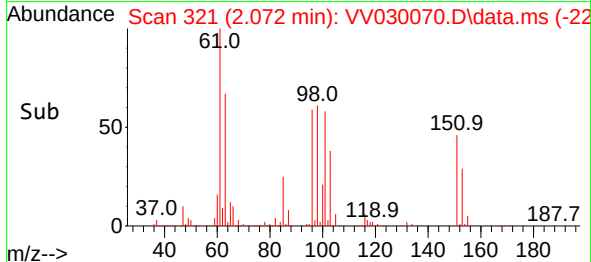
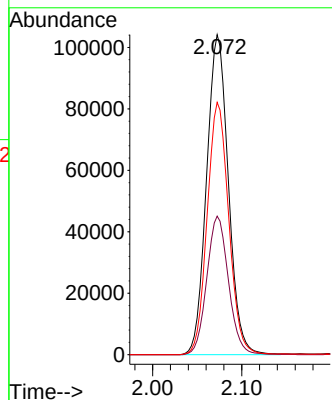
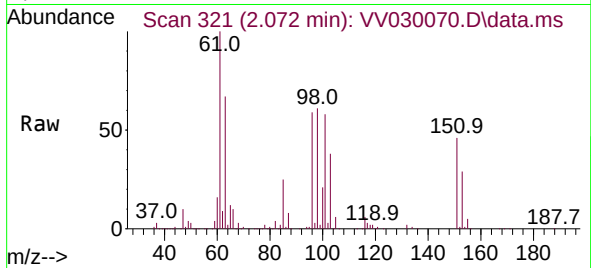




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.383 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

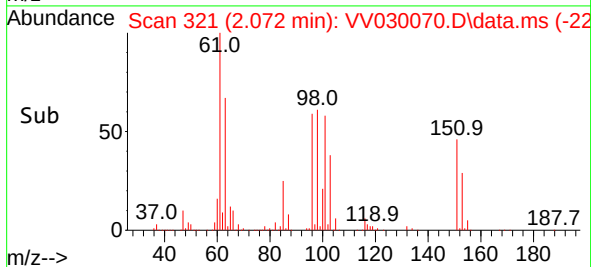
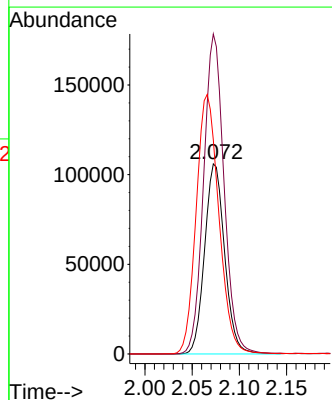
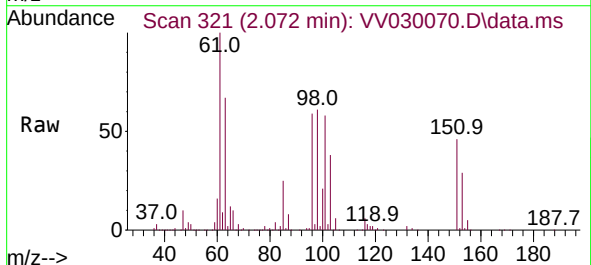
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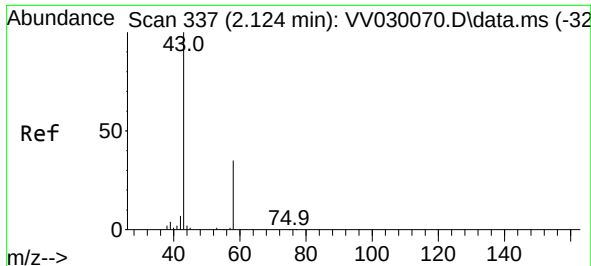
Tgt Ion:101 Resp: 177227
 Ion Ratio Lower Upper
 101 100
 85 43.0 33.4 50.2
 151 78.0 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 50.392 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

Tgt Ion: 96 Resp: 156355
 Ion Ratio Lower Upper
 96 100
 61 168.4 115.8 215.2
 63 112.7 83.4 154.8





#13

Acetone

Concen: 101.757 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

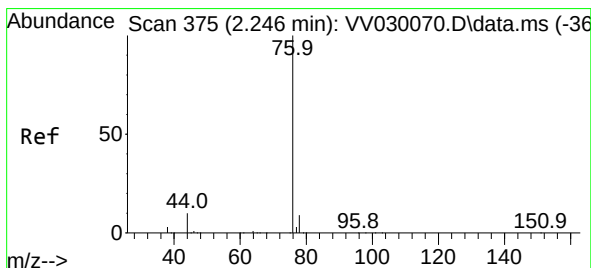
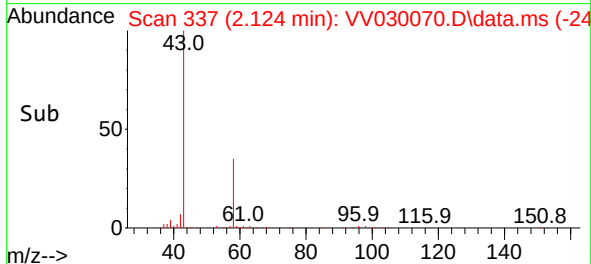
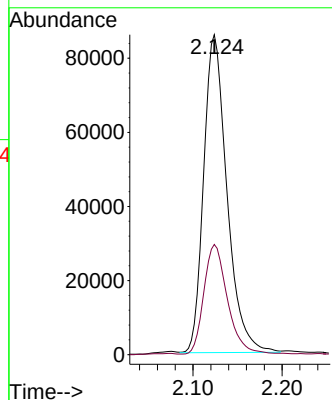
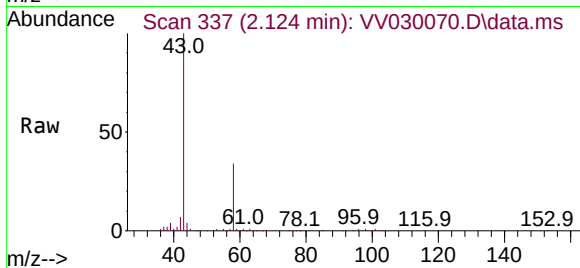
VSTD050283

Tgt Ion: 43 Resp: 155757

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.6



#14

Carbon disulfide

Concen: 48.745 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030070.D

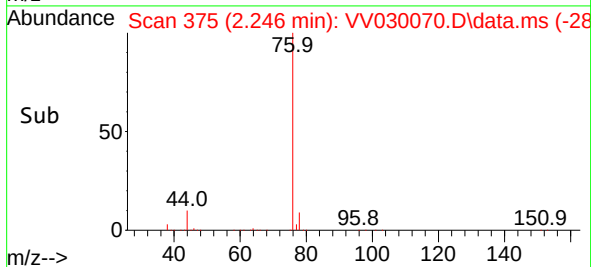
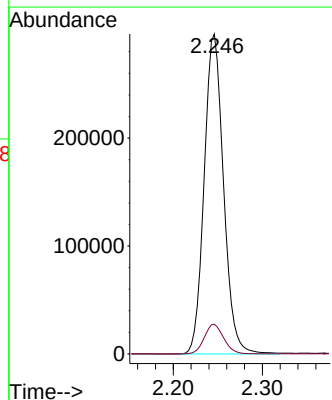
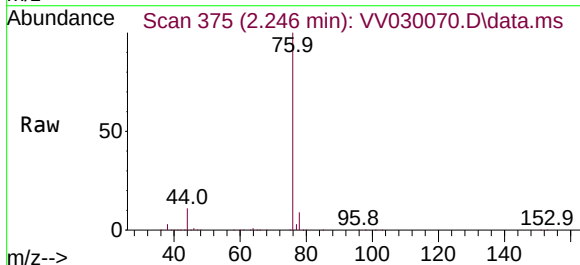
Acq: 20 Feb 2023 09:45

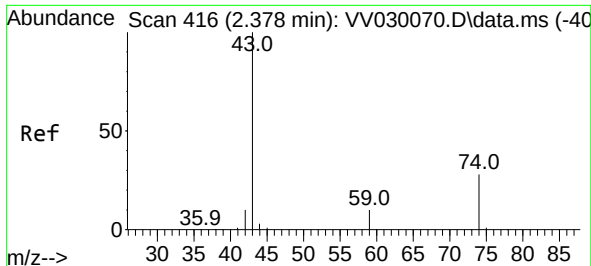
Tgt Ion: 76 Resp: 447235

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

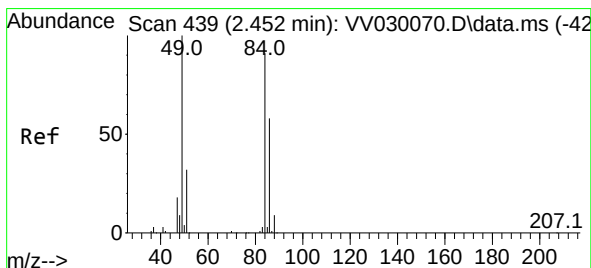
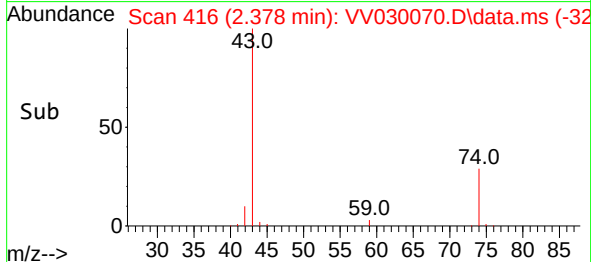
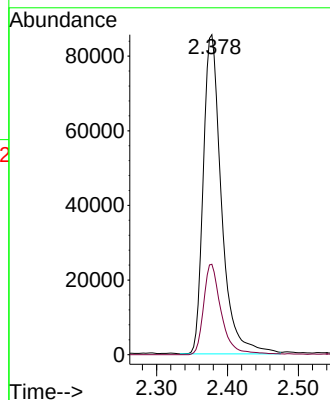
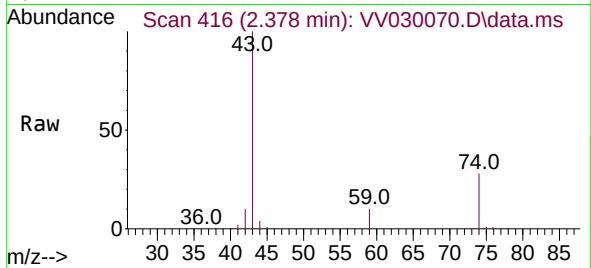




#15
Methyl Acetate
Concen: 48.005 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

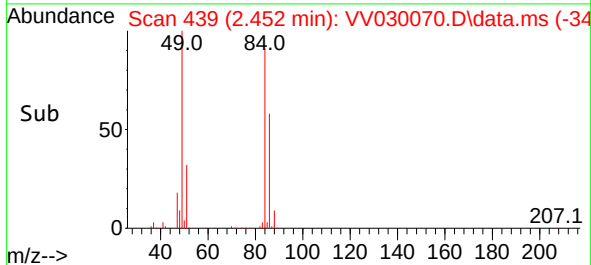
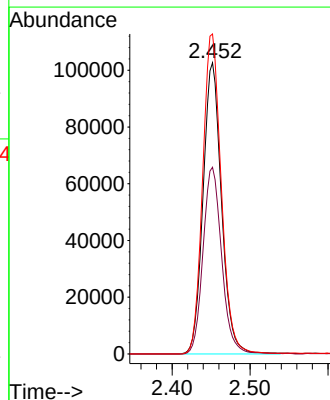
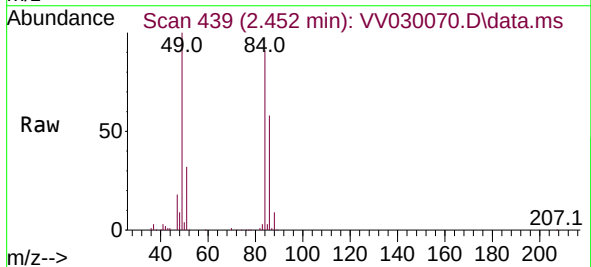
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

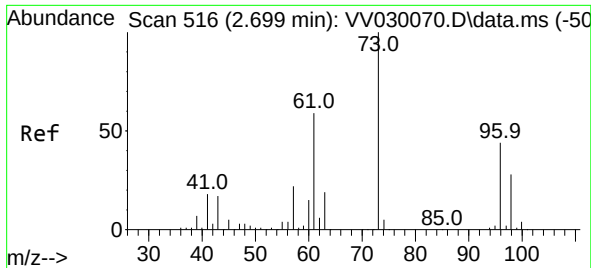
Tgt Ion: 43 Resp: 152791
Ion Ratio Lower Upper
43 100
74 27.6 21.9 32.9



#16
Methylene chloride
Concen: 49.614 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 84 Resp: 168535
Ion Ratio Lower Upper
84 100
86 64.1 45.1 83.7
49 109.9 78.7 146.1

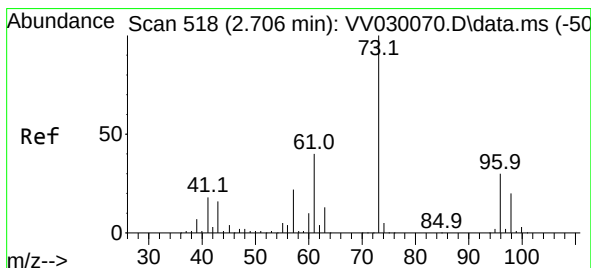
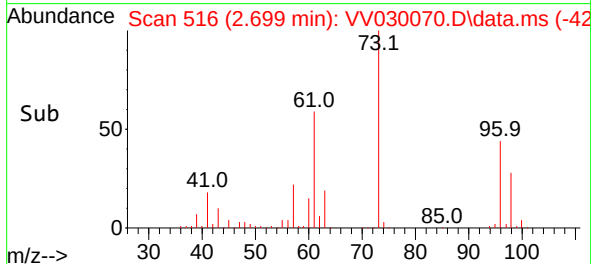
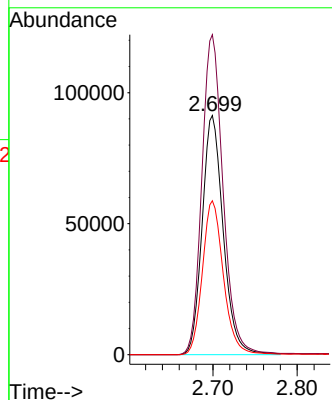
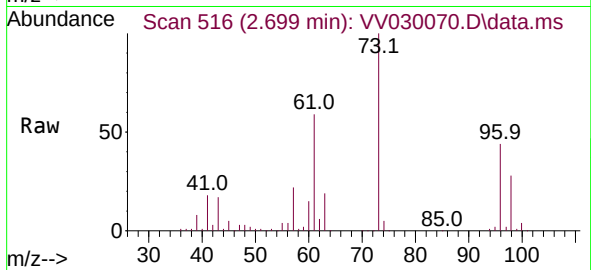




#17
trans-1,2-Dichloroethene
Concen: 50.211 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

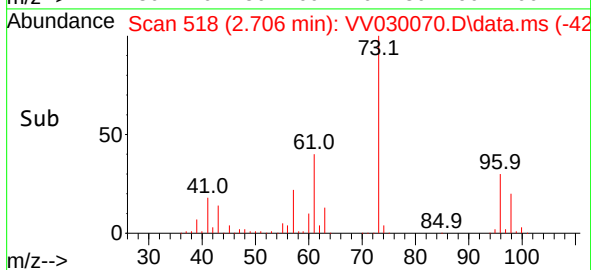
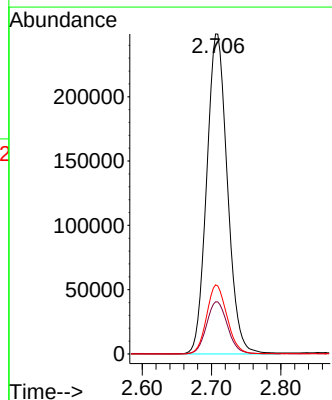
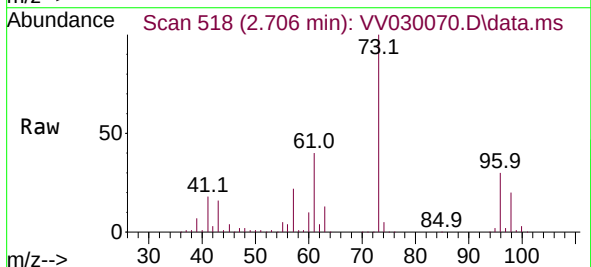
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

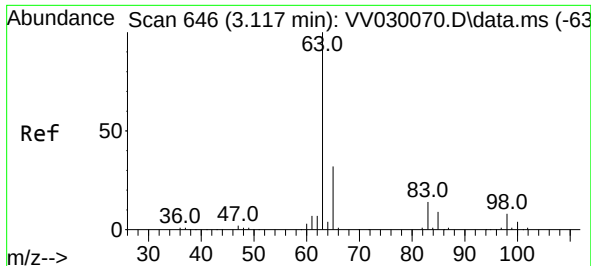
Tgt Ion: 96 Resp: 159259
Ion Ratio Lower Upper
96 100
61 133.8 93.3 173.3
98 64.3 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 51.126 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.007 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 73 Resp: 516059
Ion Ratio Lower Upper
73 100
43 16.3 12.7 19.1
57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 50.861 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050283

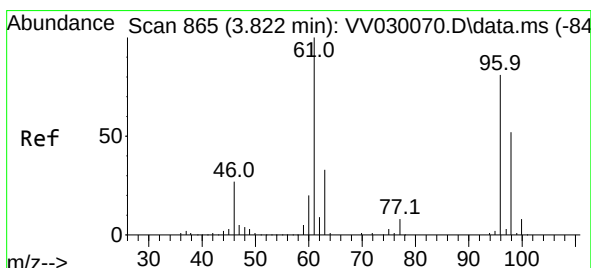
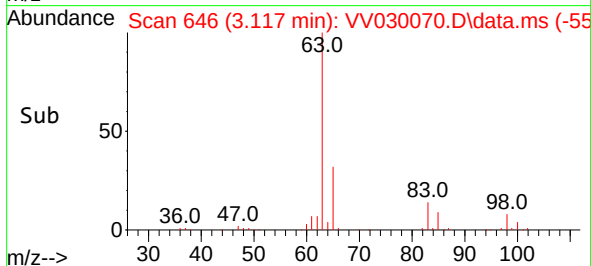
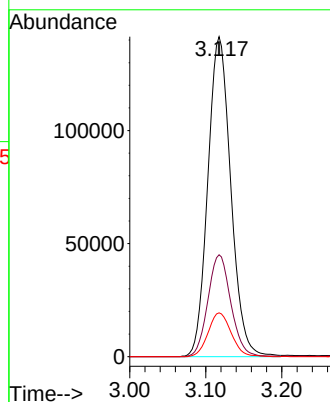
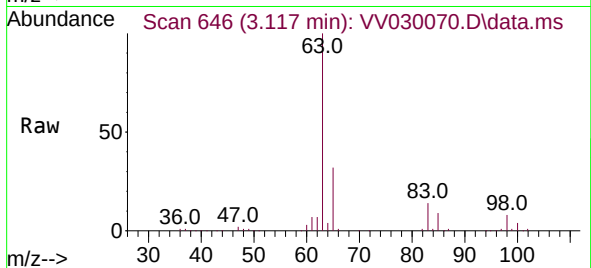
Tgt Ion: 63 Resp: 297333

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 51.269 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

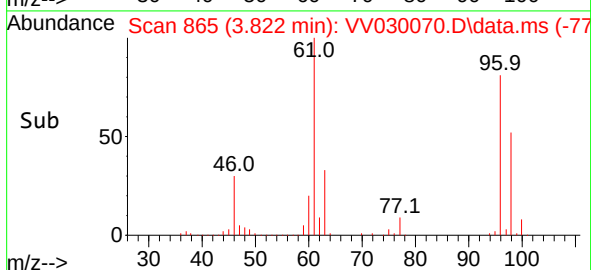
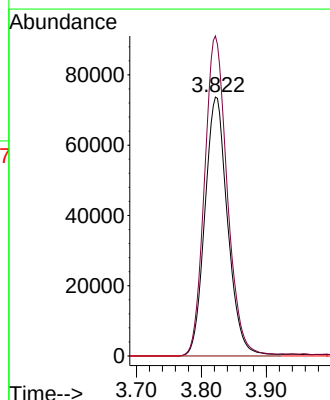
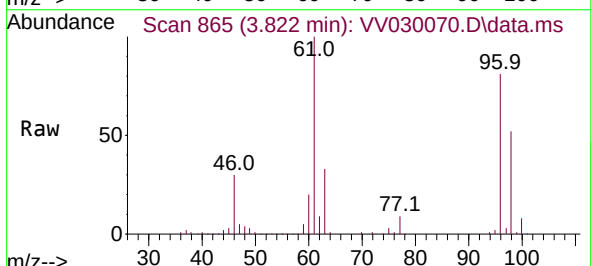
Tgt Ion: 96 Resp: 179836

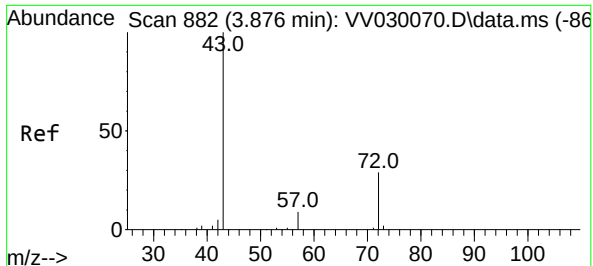
Ion Ratio Lower Upper

96 100

61 123.6 86.0 159.6

68 0.0 0.0 0.0

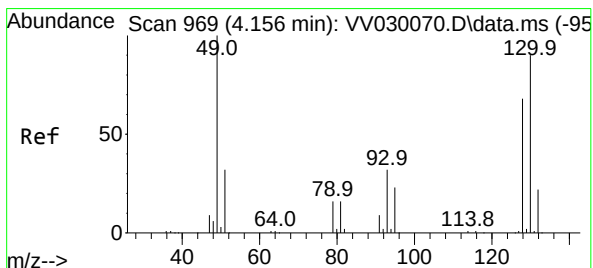
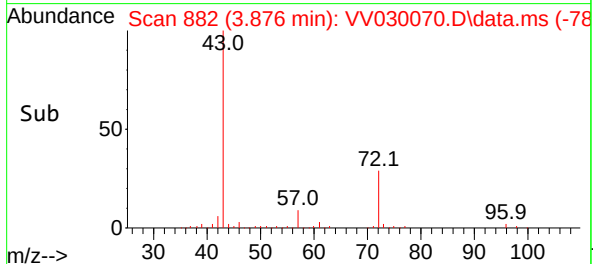
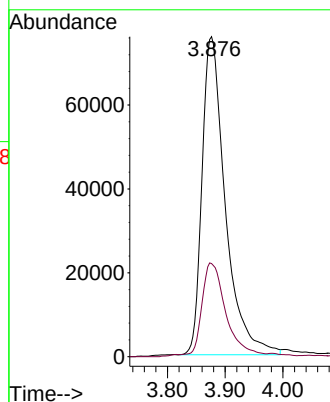
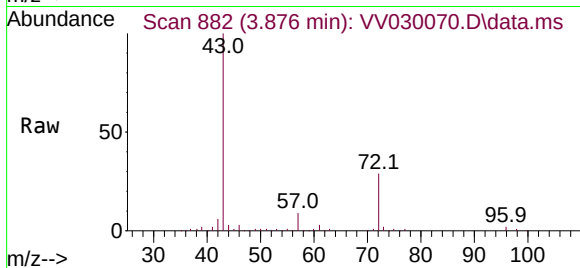




#22
2-Butanone
Concen: 99.167 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

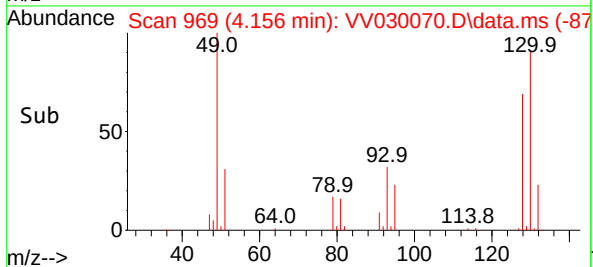
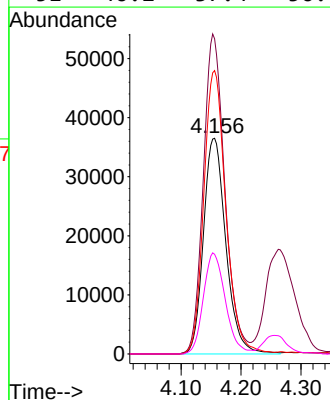
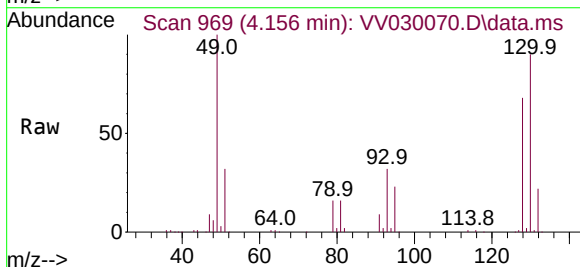
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

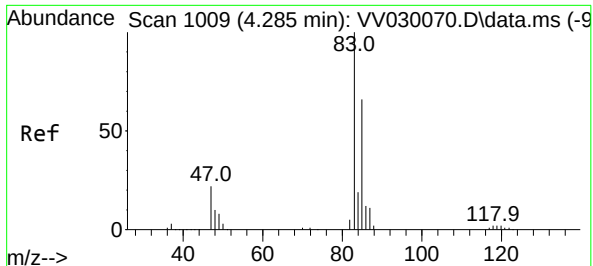
Tgt Ion: 43 Resp: 212974
Ion Ratio Lower Upper
43 100
72 29.0 14.7 44.1



#23
Bromochloromethane
Concen: 50.840 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 128 Resp: 95081
Ion Ratio Lower Upper
128 100
49 146.2 101.0 187.6
130 131.4 88.2 163.8
51 46.2 37.4 56.0





#25

Chloroform

Concen: 51.669 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

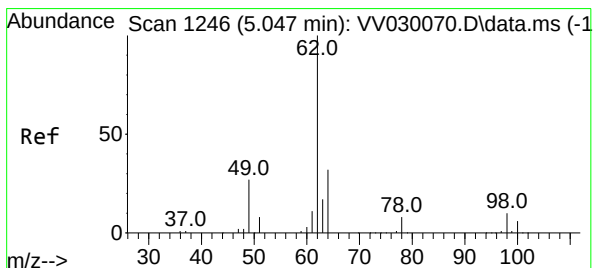
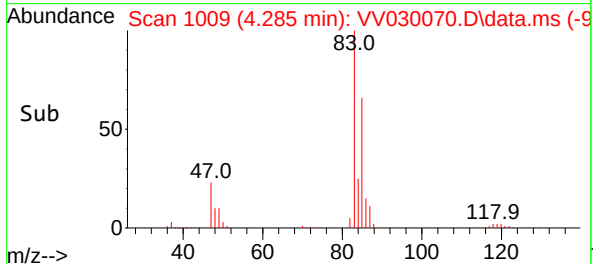
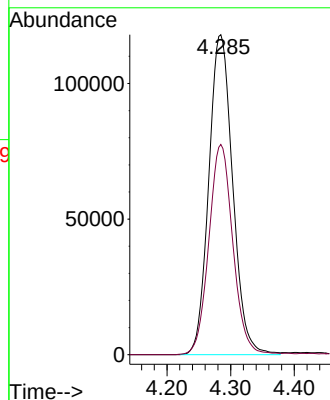
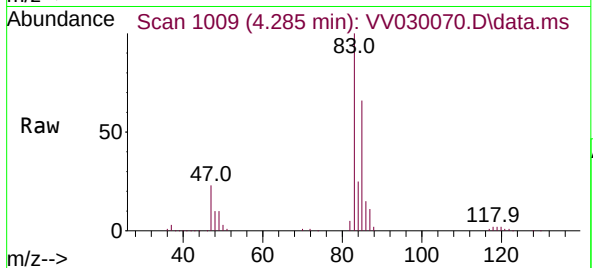
VSTD050283

Tgt Ion: 83 Resp: 307937

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 50.800 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VV030070.D

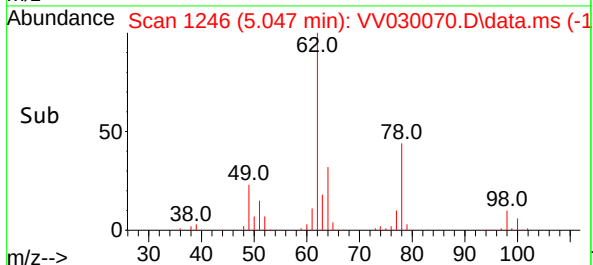
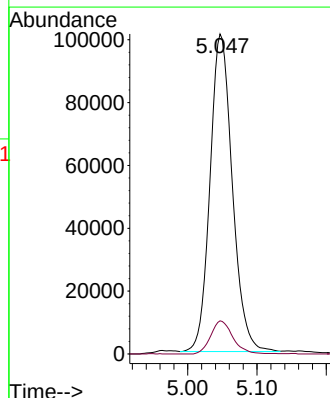
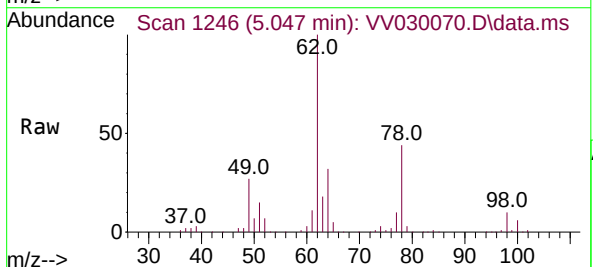
Acq: 20 Feb 2023 09:45

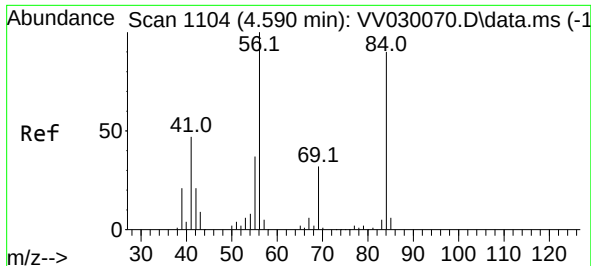
Tgt Ion: 62 Resp: 226121

Ion Ratio Lower Upper

62 100

98 10.3 8.5 12.7





#29

Cyclohexane

Concen: 51.966 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050283

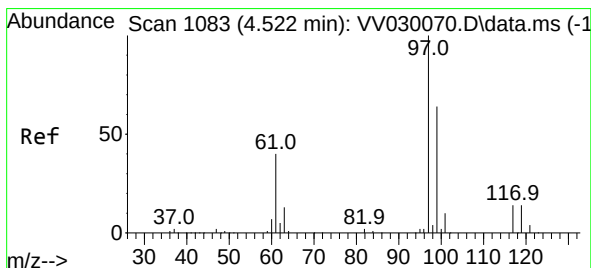
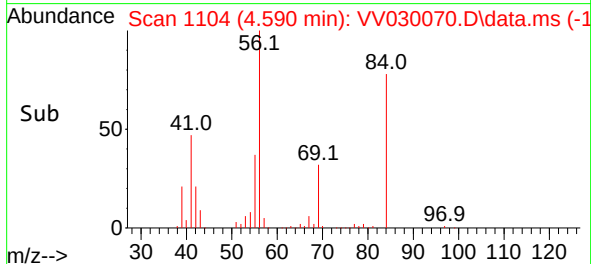
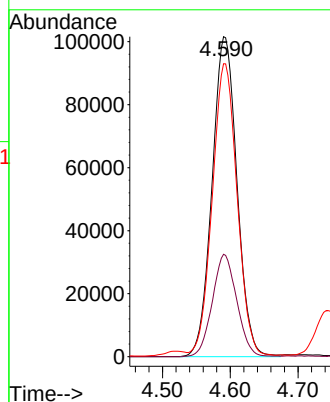
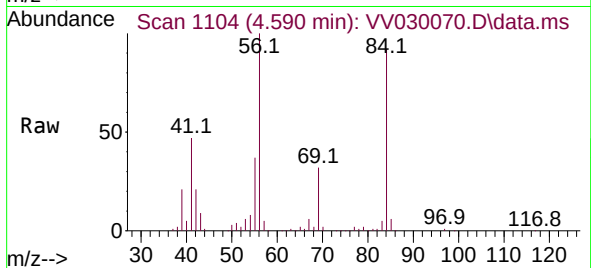
Tgt Ion: 56 Resp: 259343

Ion Ratio Lower Upper

56 100

69 31.4 25.3 37.9

84 91.1 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 51.776 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

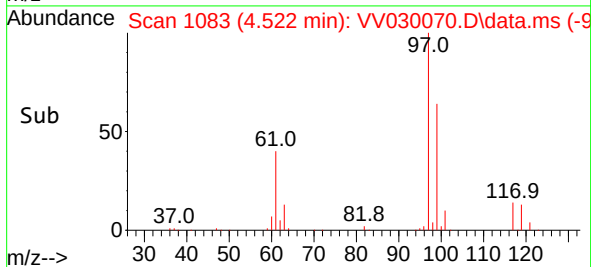
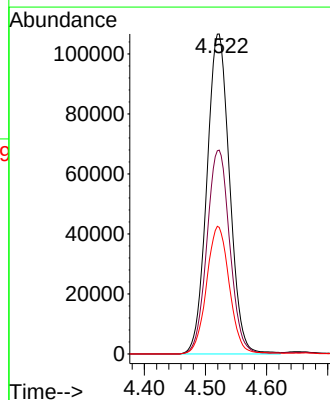
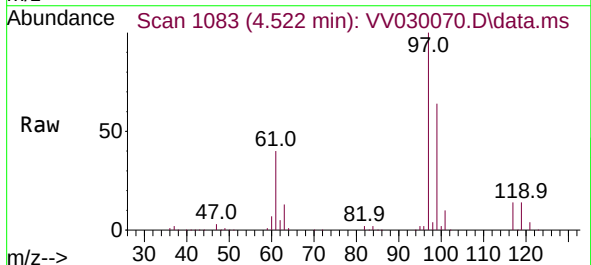
Tgt Ion: 97 Resp: 275466

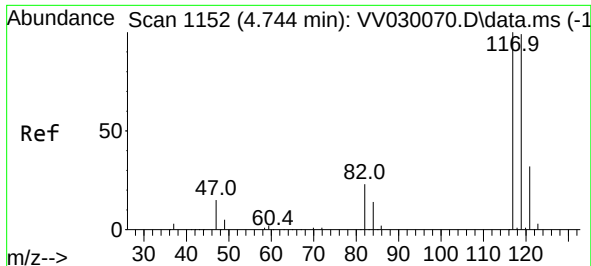
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

61 40.0 31.6 47.4

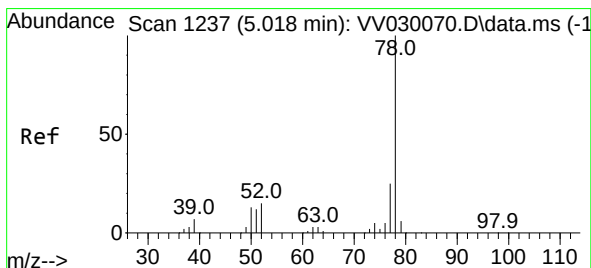
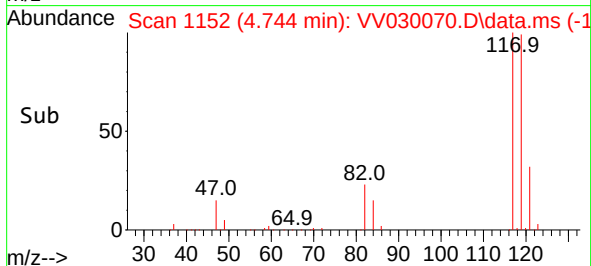
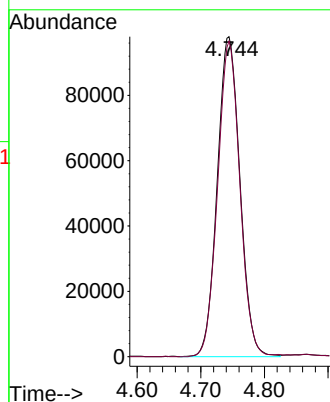
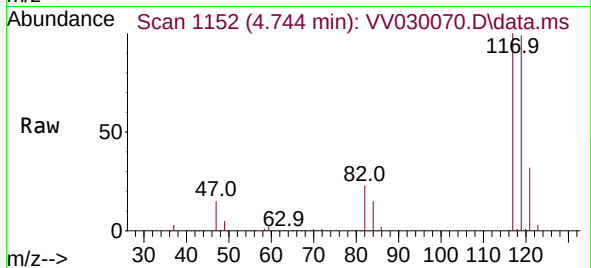




#31
Carbon tetrachloride
Concen: 51.920 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

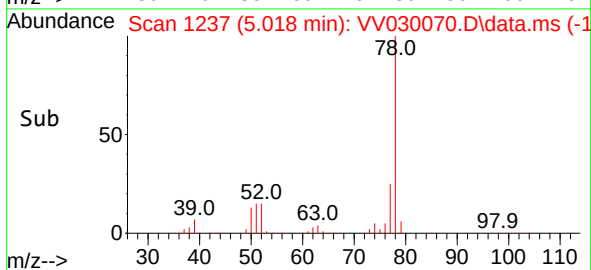
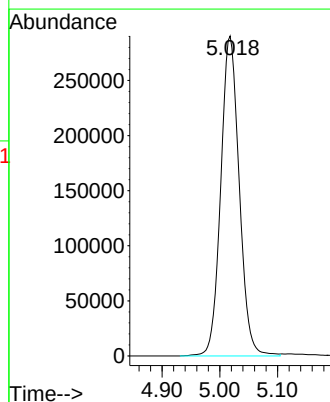
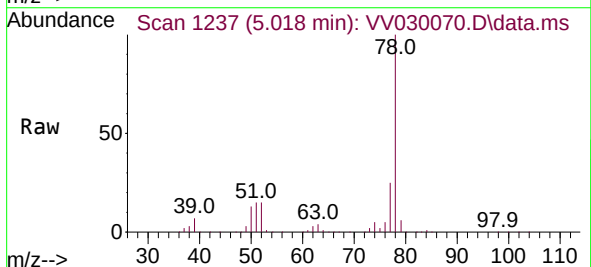
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

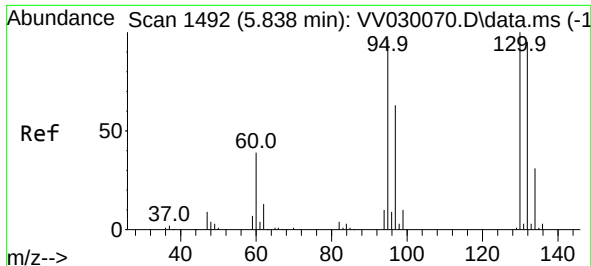
Tgt Ion:117 Resp: 242503
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2



#33
Benzene
Concen: 51.078 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 78 Resp: 645423

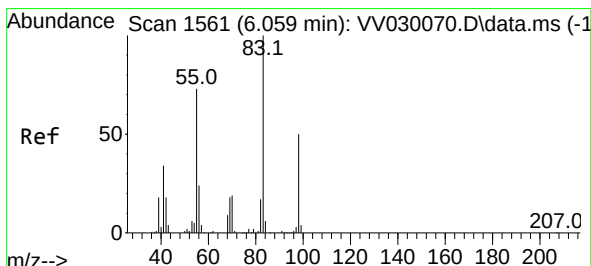
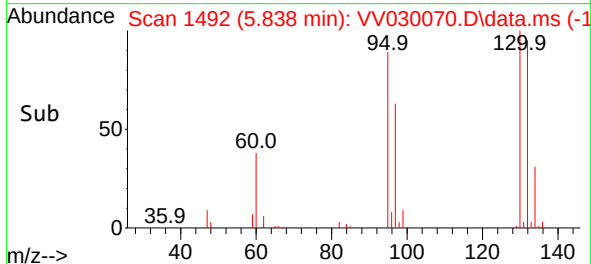
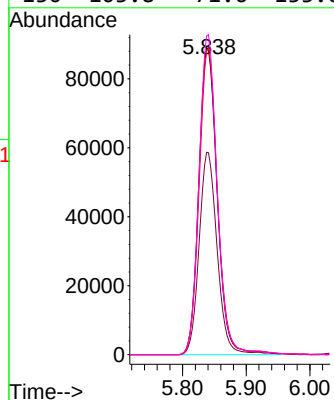
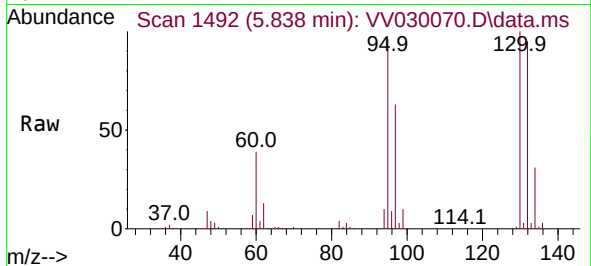




#34
Trichloroethene
Concen: 52.311 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

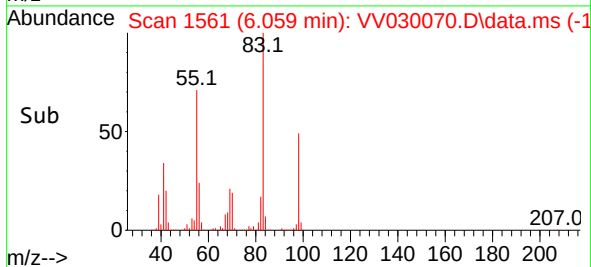
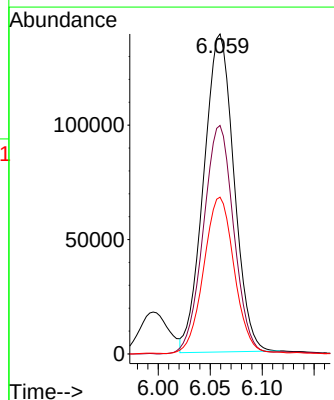
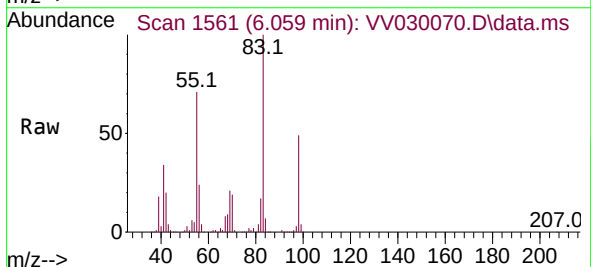
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

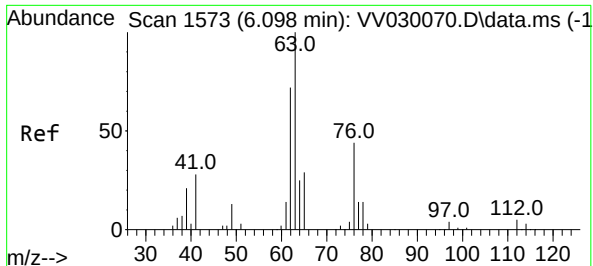
Tgt Ion: 95 Resp: 179910
Ion Ratio Lower Upper
95 100
97 65.9 44.1 81.9
132 98.7 68.3 126.9
130 103.8 71.6 133.0



#35
Methylcyclohexane
Concen: 51.656 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 83 Resp: 282021
Ion Ratio Lower Upper
83 100
55 72.4 58.4 87.6
98 49.9 39.8 59.8





#37

1,2-Dichloropropane

Concen: 51.726 ug/L

RT: 6.098 min Scan# 1573

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

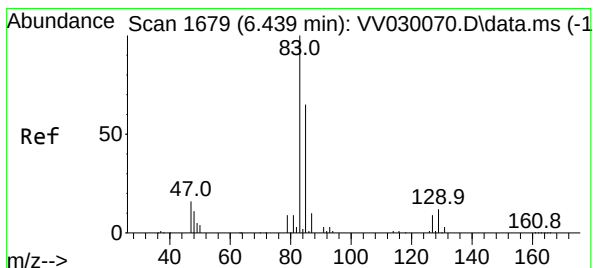
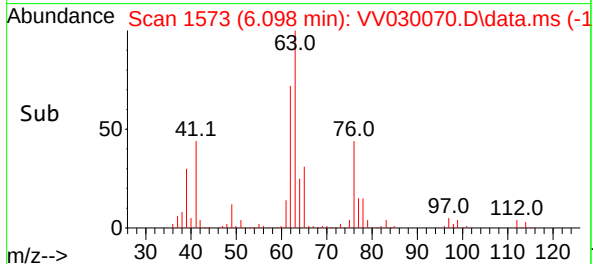
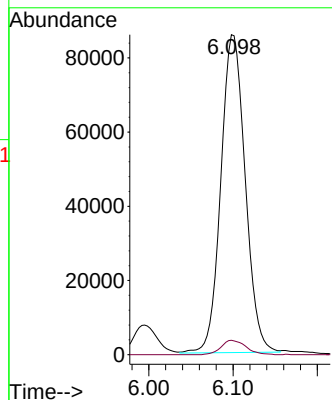
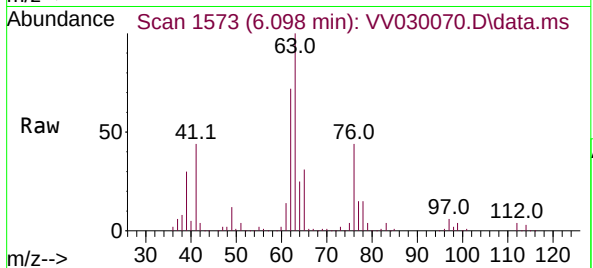
VSTD050283

Tgt Ion: 63 Resp: 172134

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 51.939 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

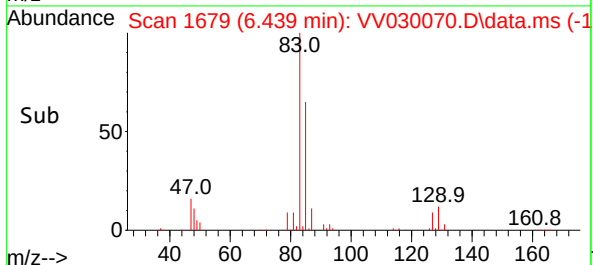
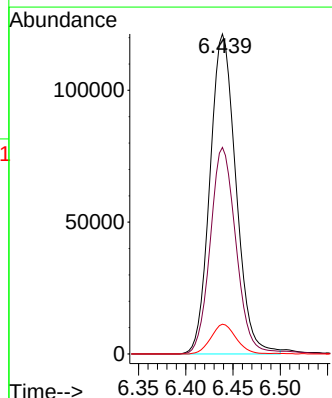
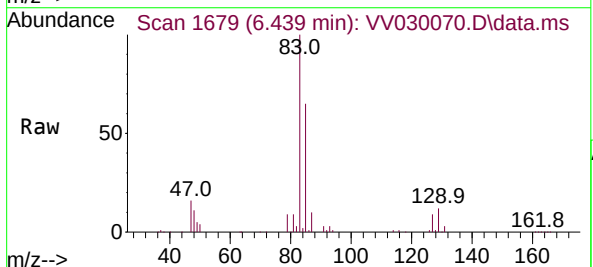
Tgt Ion: 83 Resp: 232152

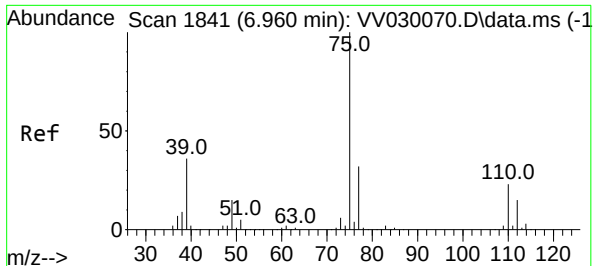
Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.5

127 9.3 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 52.223 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

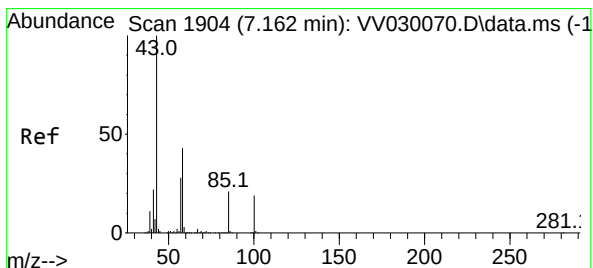
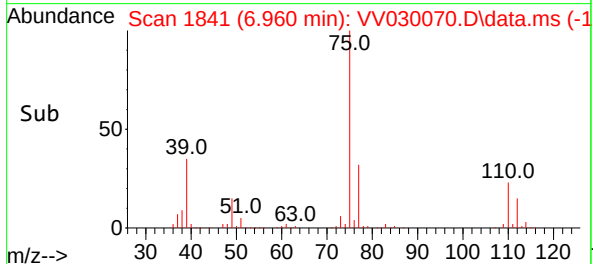
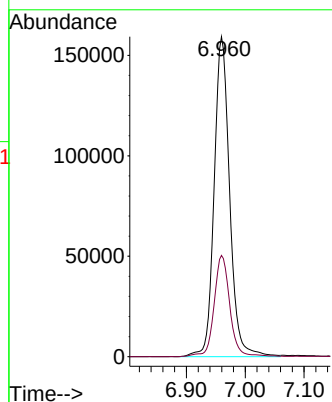
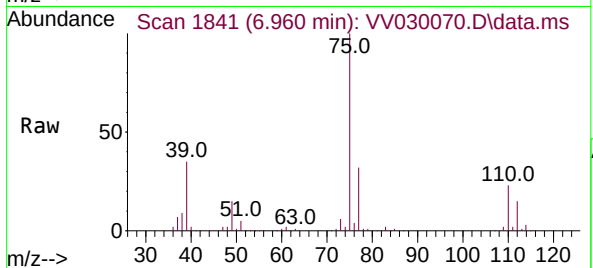
VSTD050283

Tgt Ion: 75 Resp: 292137

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 101.691 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

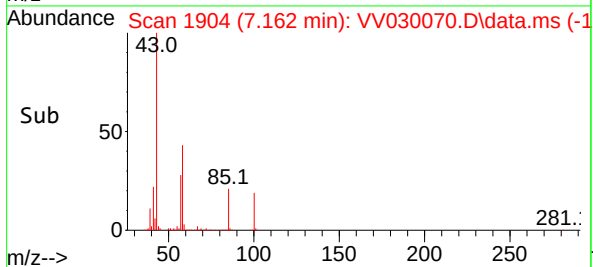
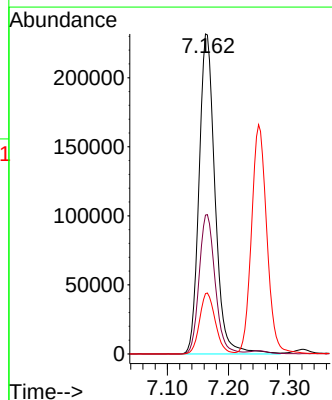
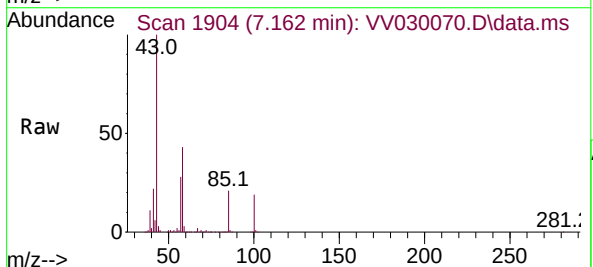
Tgt Ion: 43 Resp: 420703

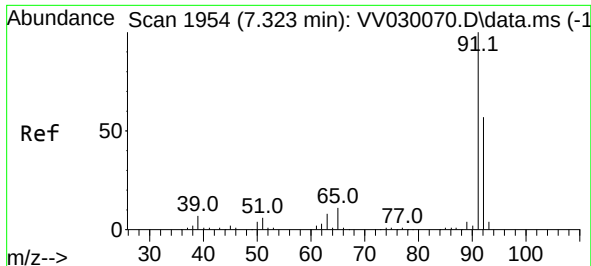
Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2

100 18.7 14.6 22.0





#42

Toluene

Concen: 51.388 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

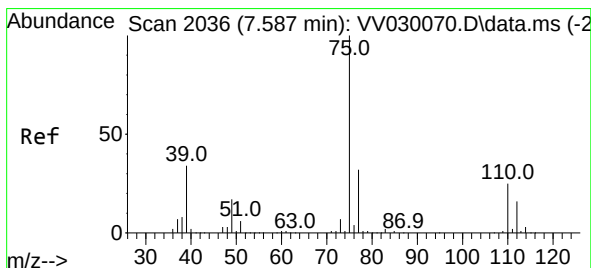
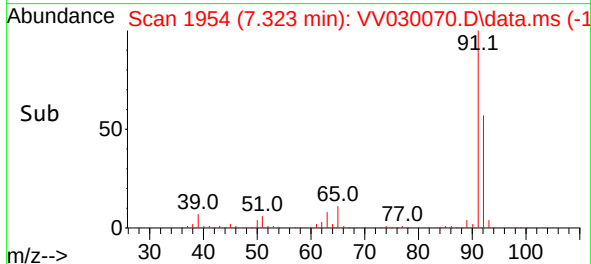
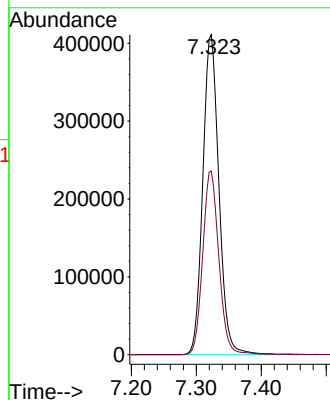
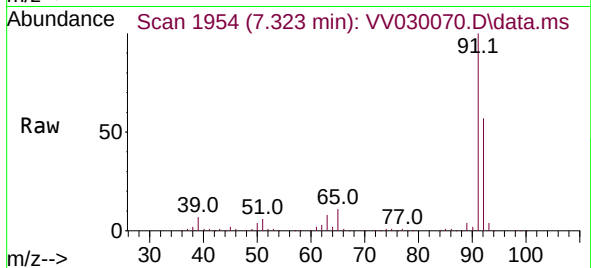
VSTD050283

Tgt Ion: 91 Resp: 710544

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 52.840 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030070.D

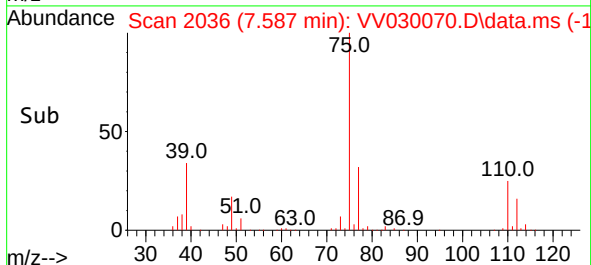
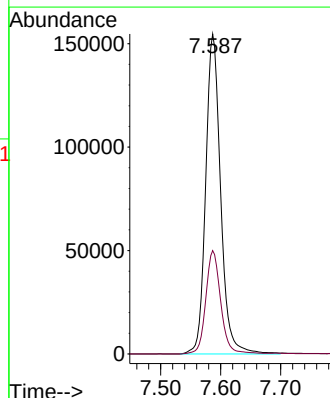
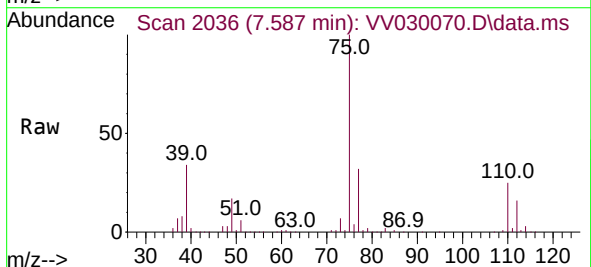
Acq: 20 Feb 2023 09:45

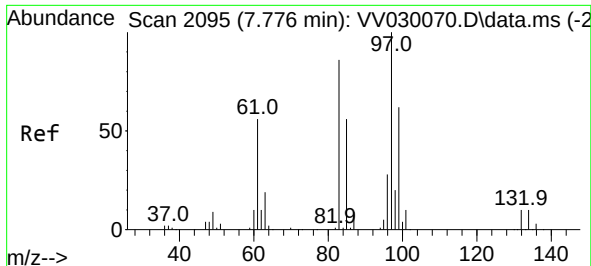
Tgt Ion: 75 Resp: 268824

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



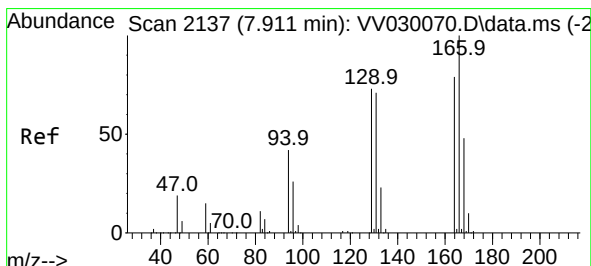
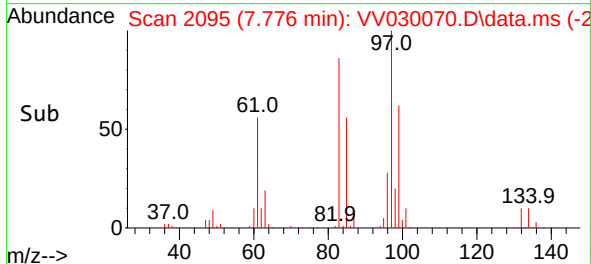
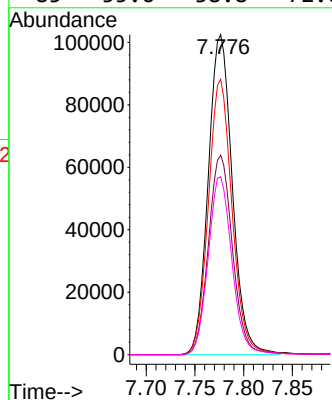
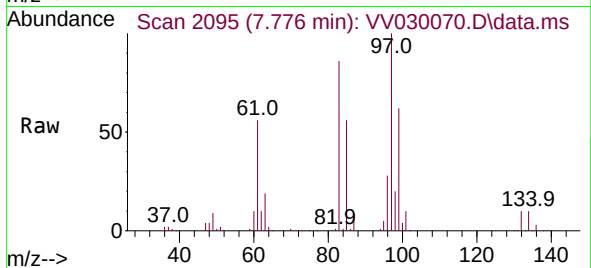


#45
1,1,2-Trichloroethane
Concen: 51.129 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

Tgt Ion: 97 Resp: 176592

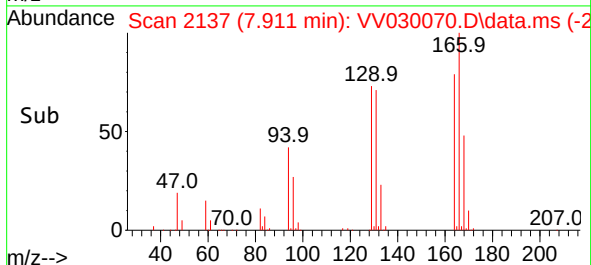
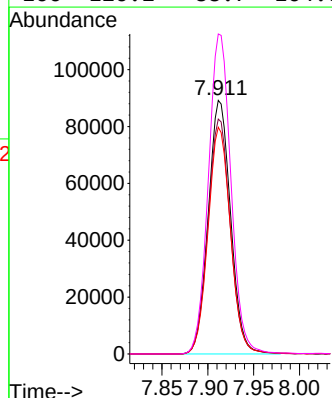
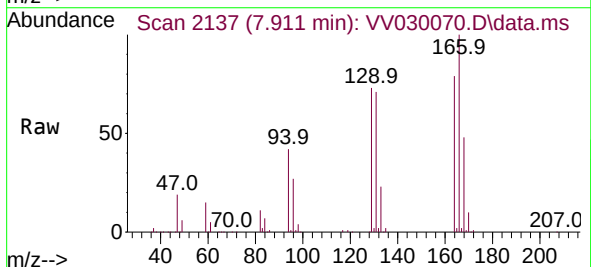
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.4
83	86.0	59.9	111.3
85	55.6	38.8	72.0

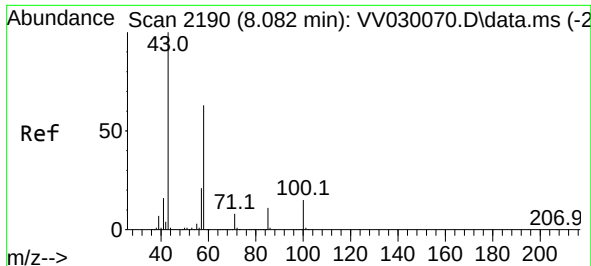


#46
Tetrachloroethene
Concen: 52.527 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 164 Resp: 151871

Ion	Ratio	Lower	Upper
164	100		
129	92.6	65.2	121.0
131	89.4	63.1	117.3
166	126.2	88.7	164.7



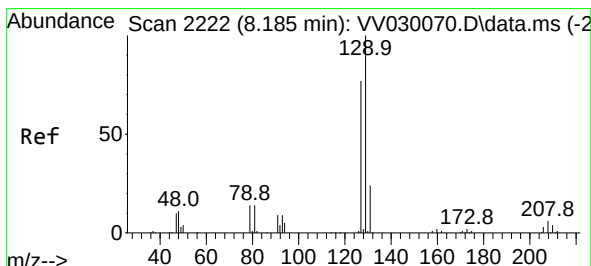
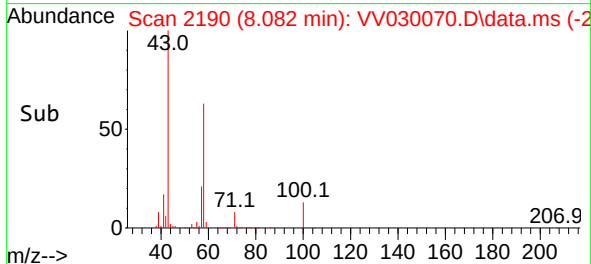
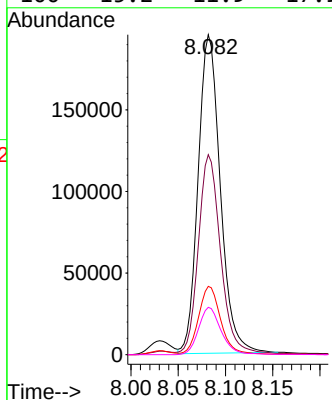
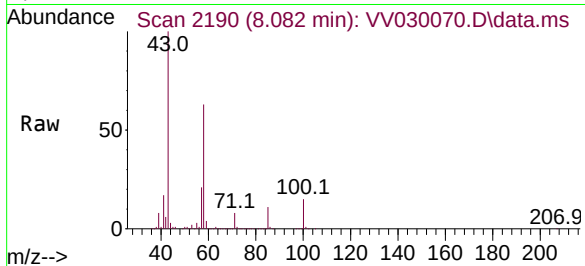


#48
2-Hexanone
Concen: 100.031 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

Tgt Ion: 43 Resp: 318930

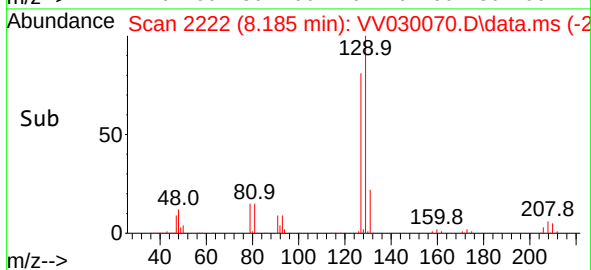
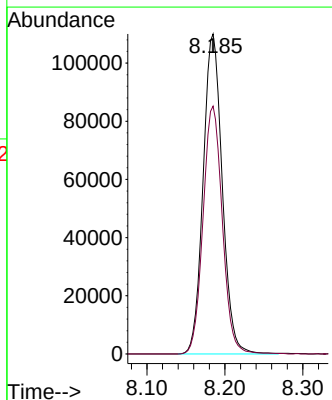
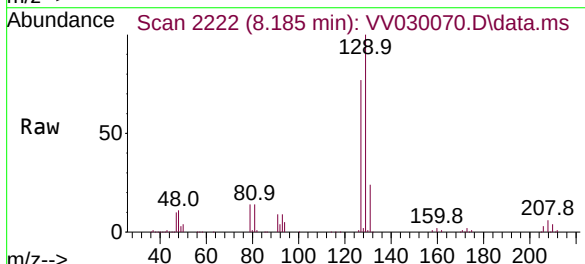
Ion	Ratio	Lower	Upper
43	100		
58	63.0	49.9	74.9
57	21.6	17.4	26.0
100	15.2	11.9	17.9

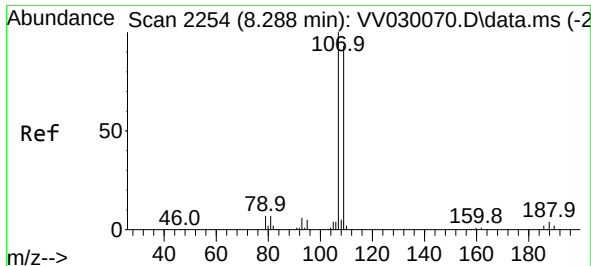


#49
Dibromochloromethane
Concen: 52.346 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 129 Resp: 187443

Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.9	102.1





#50

1,2-Dibromoethane

Concen: 51.141 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050283

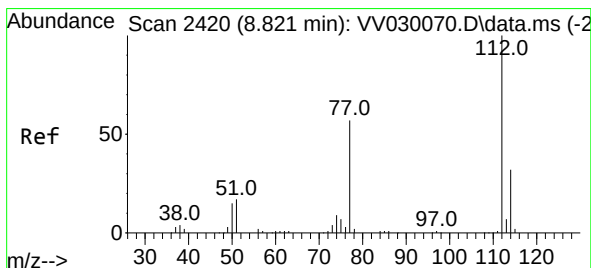
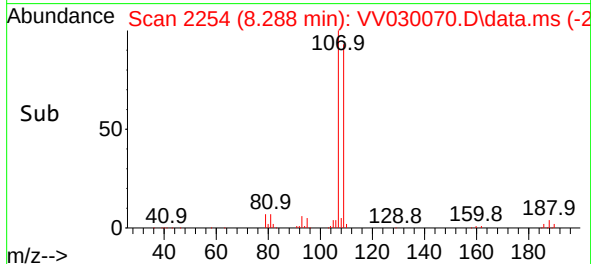
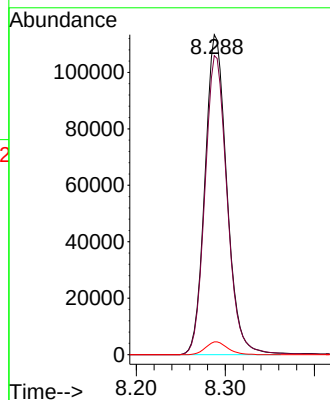
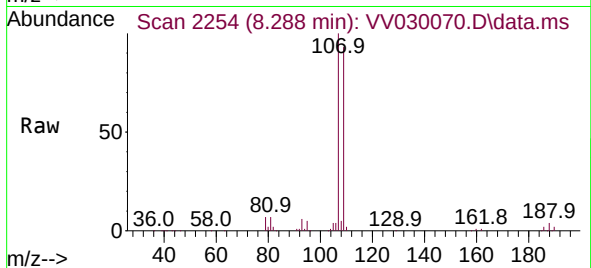
Tgt Ion:107 Resp: 193779

Ion Ratio Lower Upper

107 100

109 93.4 66.0 122.6

188 4.0 3.4 5.0



#51

Chlorobenzene

Concen: 51.298 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

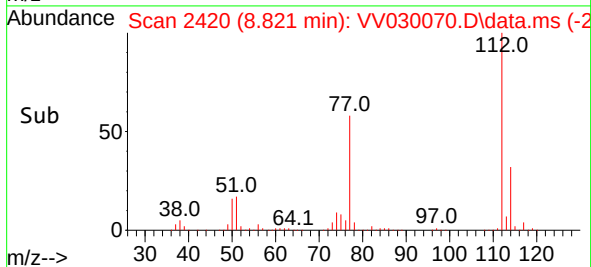
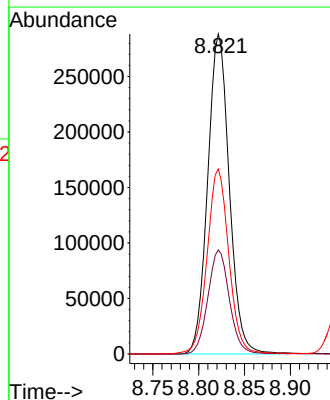
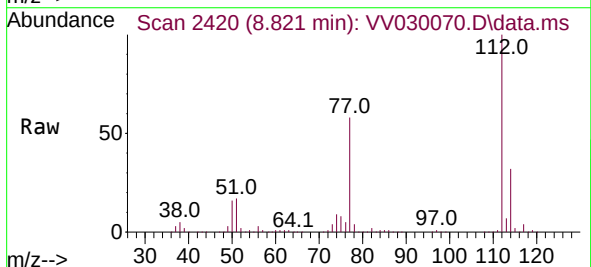
Tgt Ion:112 Resp: 472709

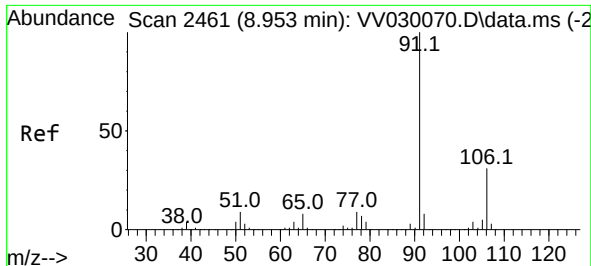
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.3

77 57.8 46.0 69.0





#52

Ethylbenzene

Concen: 52.185 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

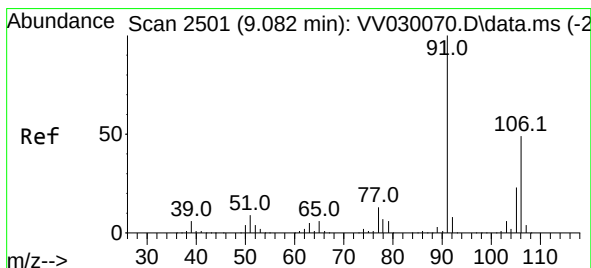
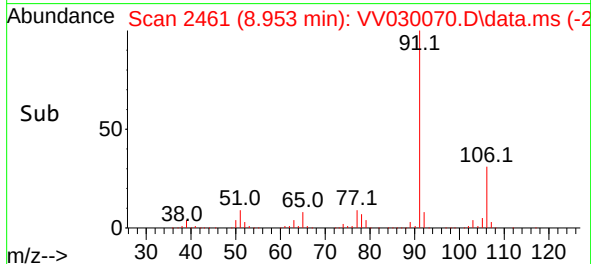
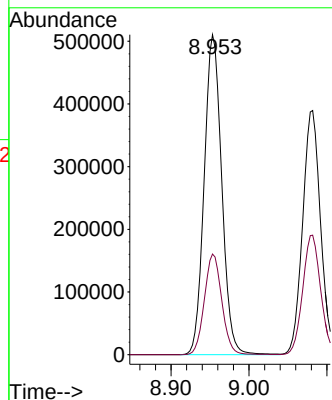
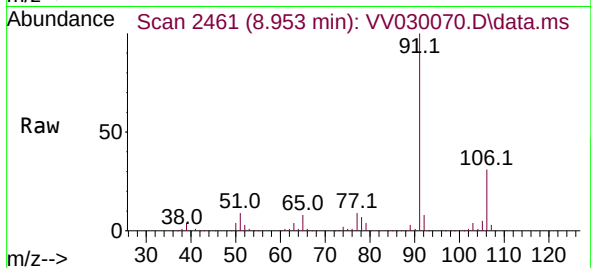
VSTD050283

Tgt Ion: 91 Resp: 798935

Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



#53

m,p-Xylene

Concen: 52.534 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030070.D

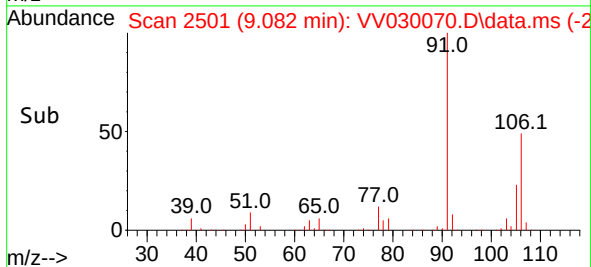
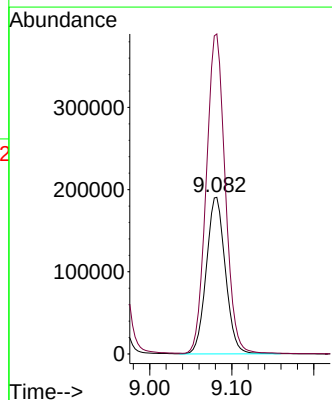
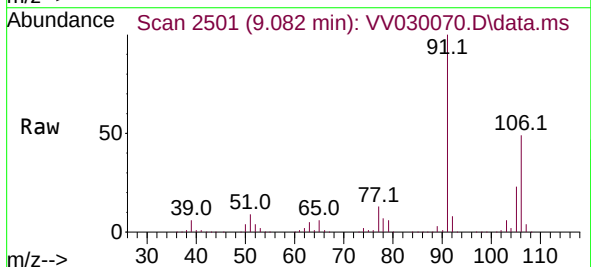
Acq: 20 Feb 2023 09:45

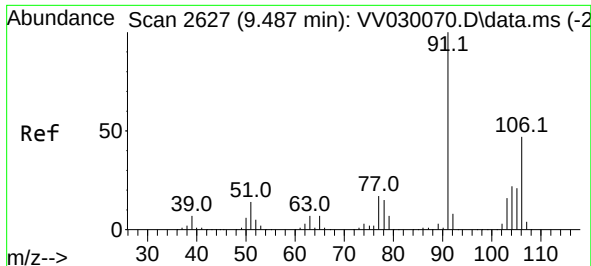
Tgt Ion: 106 Resp: 307282

Ion Ratio Lower Upper

106 100

91 204.3 142.0 263.8

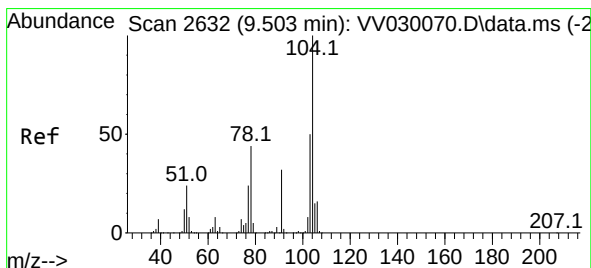
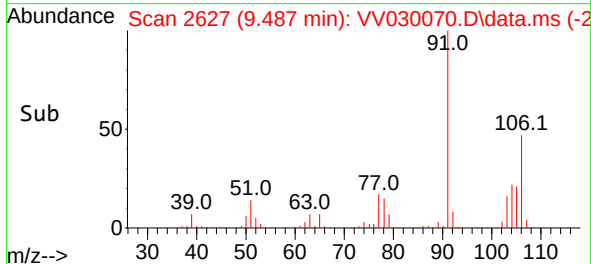
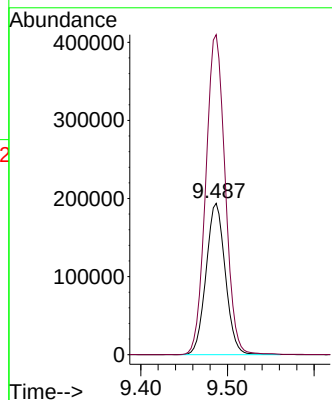
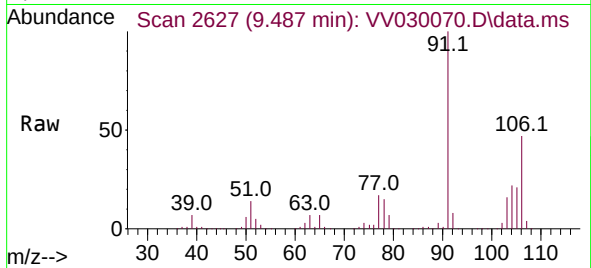




#54
o-Xylene
Concen: 53.085 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

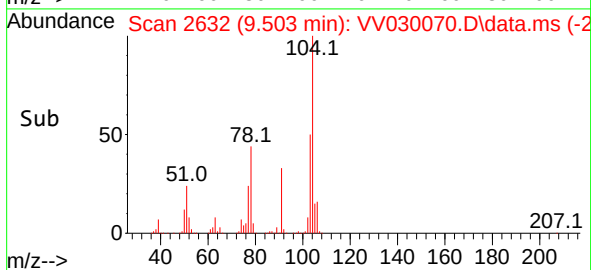
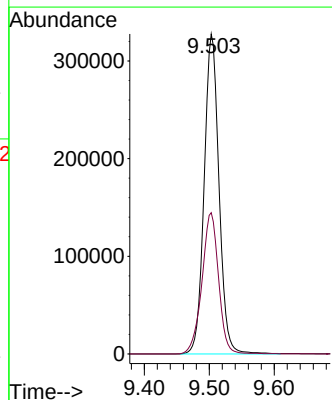
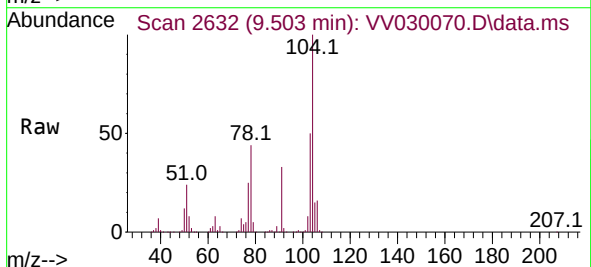
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

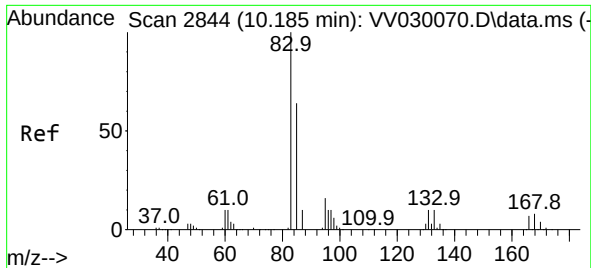
Tgt Ion:106 Resp: 299236
Ion Ratio Lower Upper
106 100
91 211.4 151.5 281.3



#55
Styrene
Concen: 54.226 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion:104 Resp: 522181
Ion Ratio Lower Upper
104 100
78 44.2 31.9 59.2

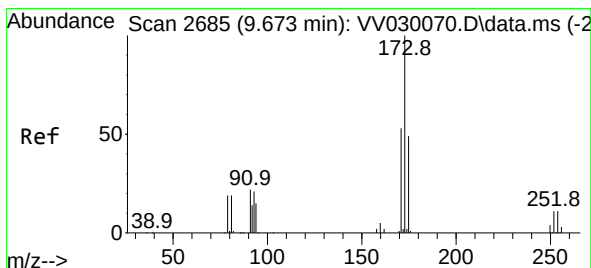
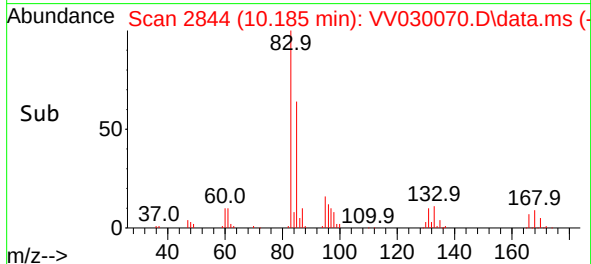
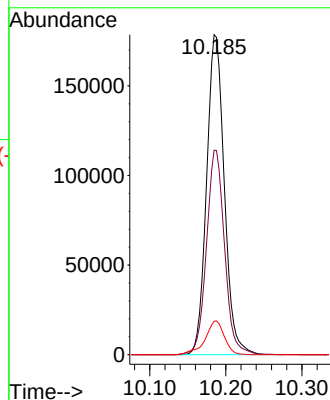
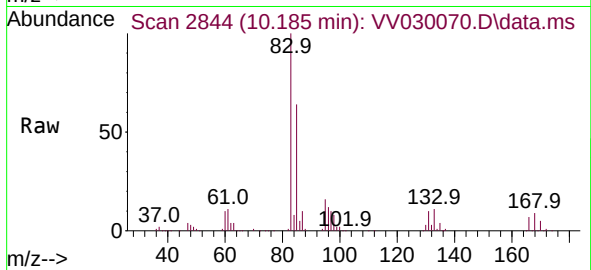




#57
1,1,2,2-Tetrachloroethane
Concen: 51.227 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

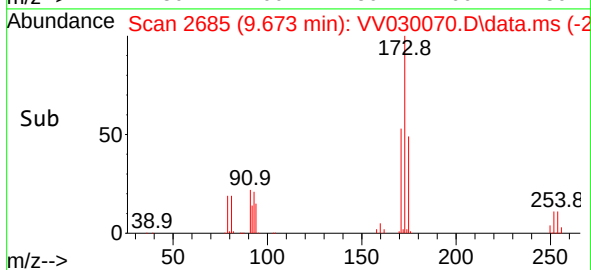
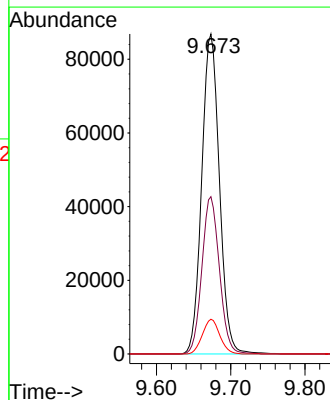
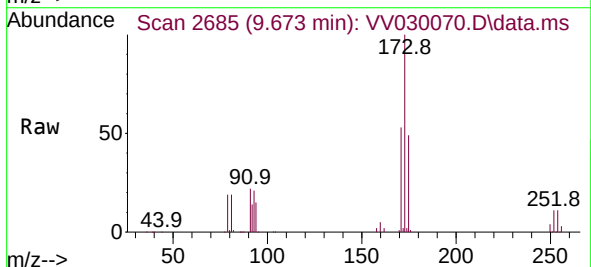
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

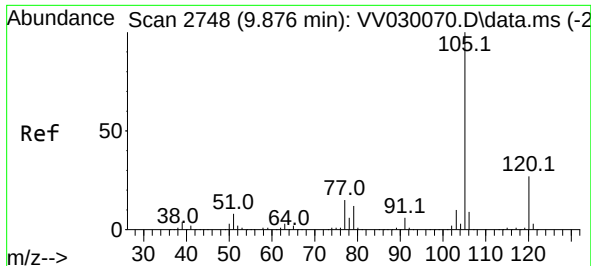
Tgt Ion: 83 Resp: 289228
Ion Ratio Lower Upper
83 100
85 63.9 45.5 84.5
131 10.4 8.3 12.5



#59
Bromoform
Concen: 54.468 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 173 Resp: 143569
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 10.7 8.7 13.1

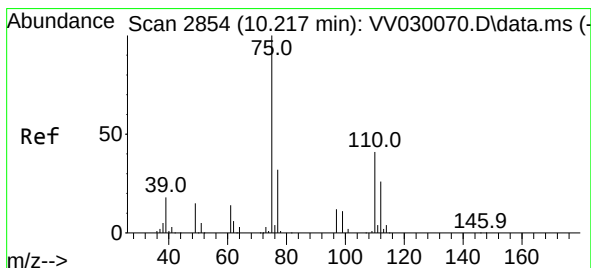
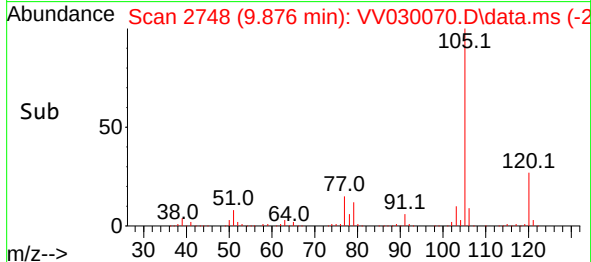
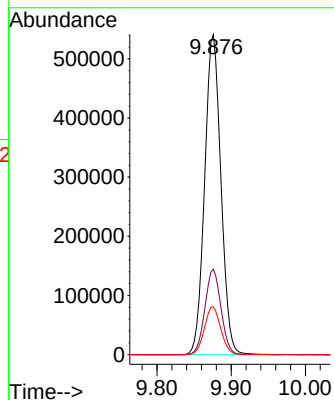
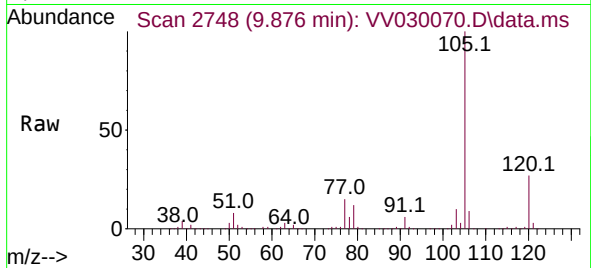




#60
Isopropylbenzene
Concen: 51.896 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

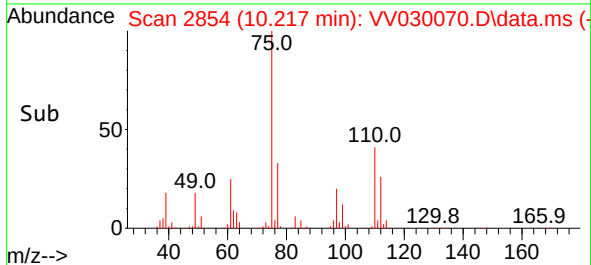
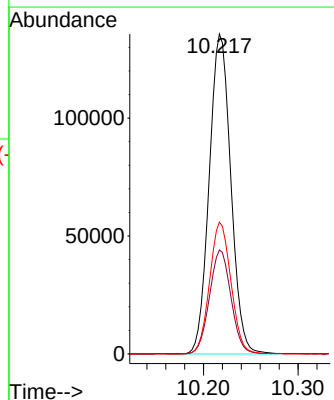
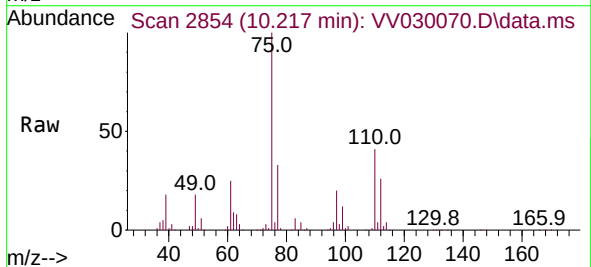
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

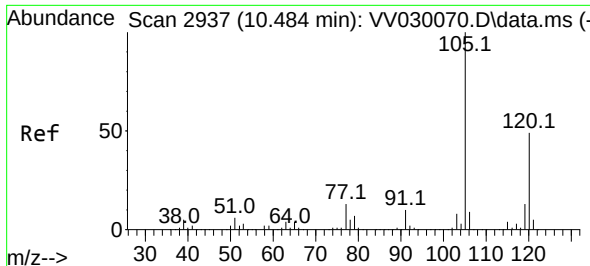
Tgt Ion:105 Resp: 821406
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.1 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 48.933 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 75 Resp: 215495
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
110 40.7 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 52.322 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

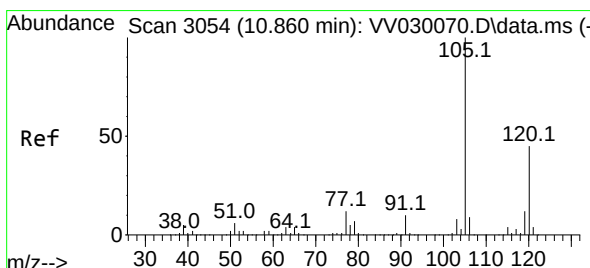
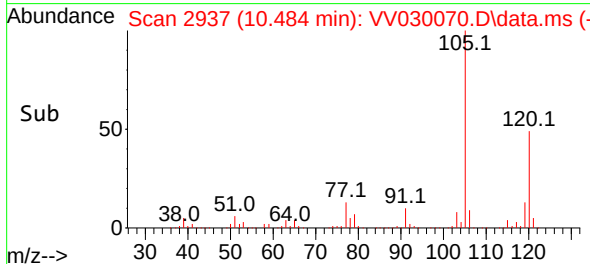
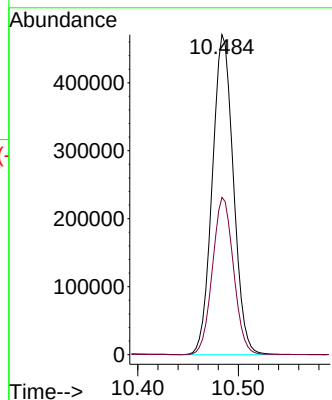
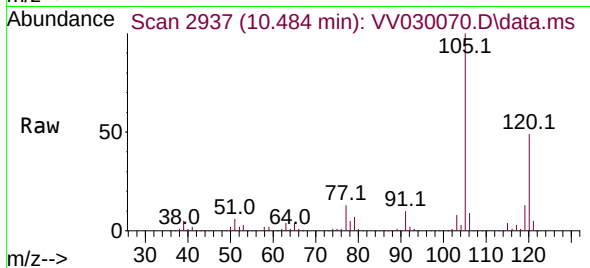
VSTD050283

Tgt Ion:105 Resp: 685904

Ion Ratio Lower Upper

105 100

120 49.2 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 53.089 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030070.D

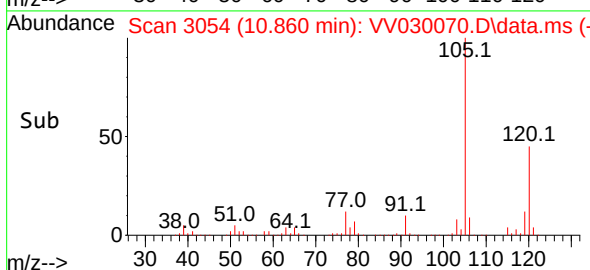
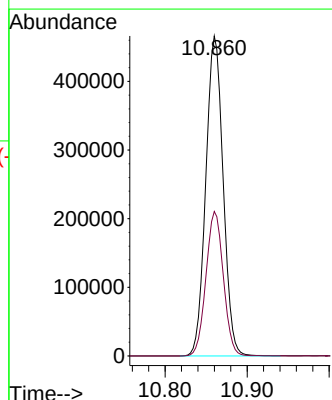
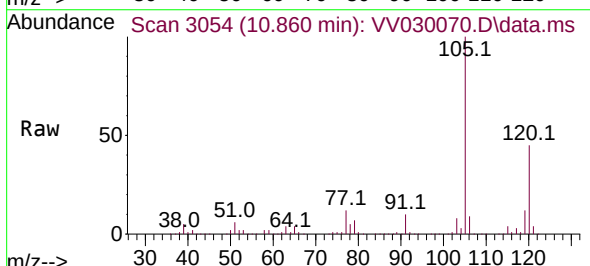
Acq: 20 Feb 2023 09:45

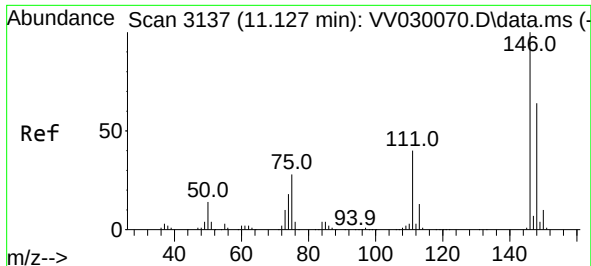
Tgt Ion:105 Resp: 684019

Ion Ratio Lower Upper

105 100

120 45.3 36.3 54.5

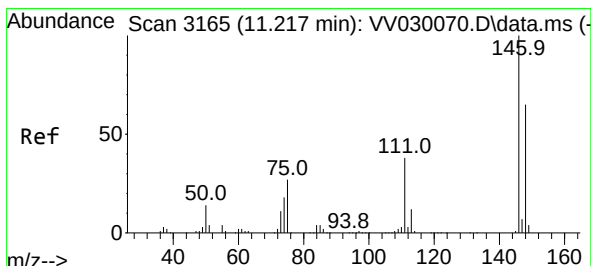
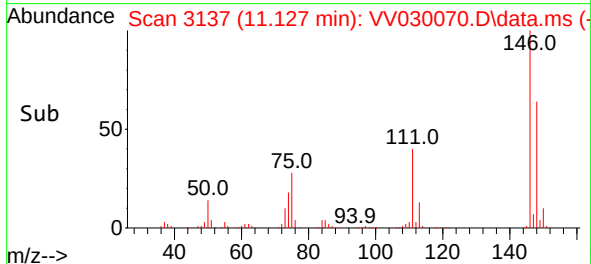
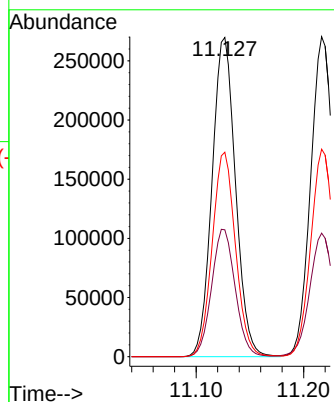
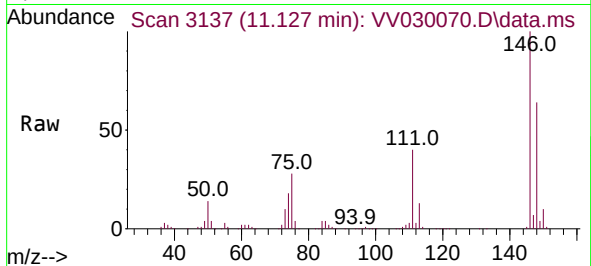




#64
 1,3-Dichlorobenzene
 Concen: 51.317 ug/L
 RT: 11.127 min Scan# 3137
 Delta R.T. -0.000 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

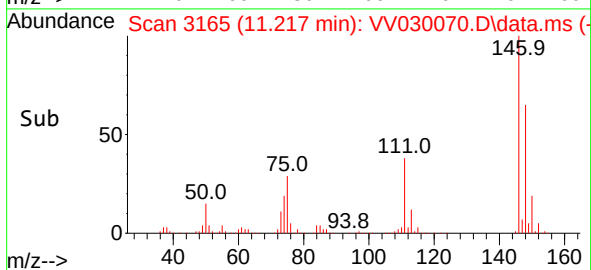
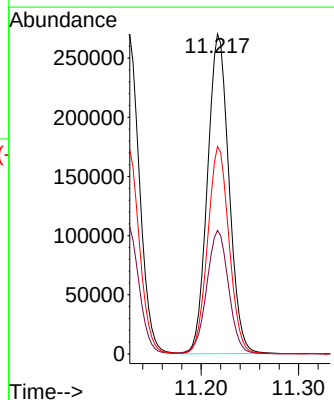
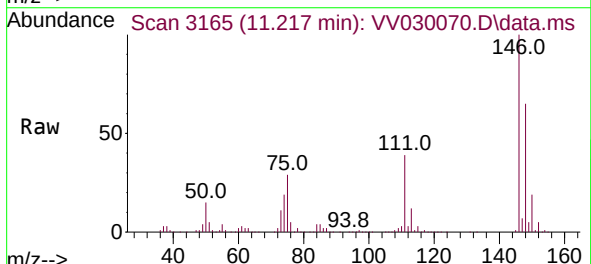
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050283

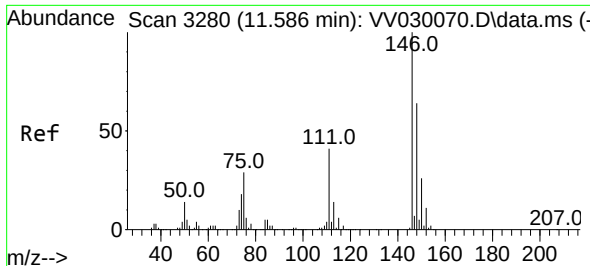
Tgt Ion:146 Resp: 409331
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.2 52.4
 148 64.1 45.3 84.1



#65
 1,4-Dichlorobenzene
 Concen: 50.571 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VV030070.D
 Acq: 20 Feb 2023 09:45

Tgt Ion:146 Resp: 412744
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.1 50.3
 148 64.9 44.9 83.5

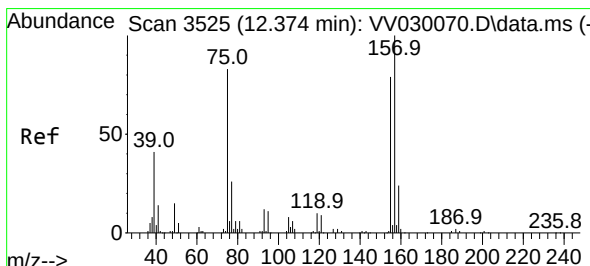
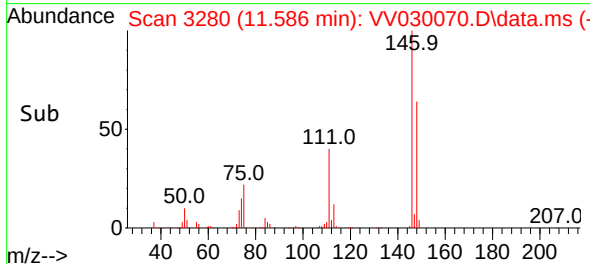
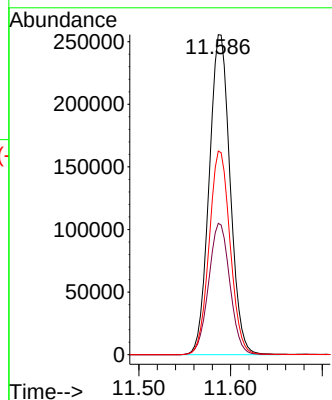
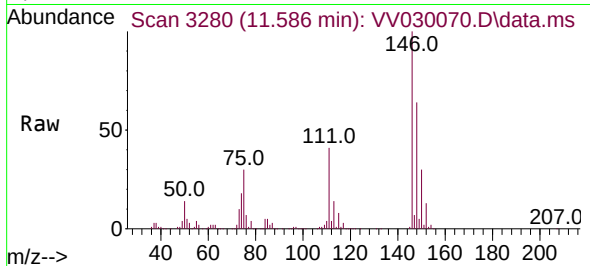




#67
1,2-Dichlorobenzene
Concen: 51.090 ug/L
RT: 11.586 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

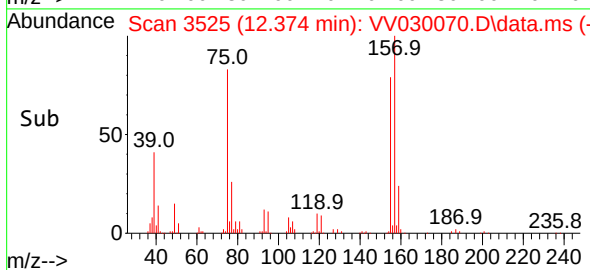
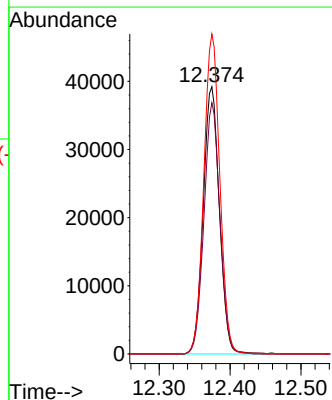
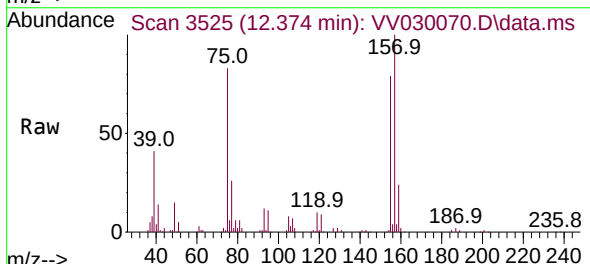
Instrument :
MSVOA_V
ClientSampleId :
VSTD050283

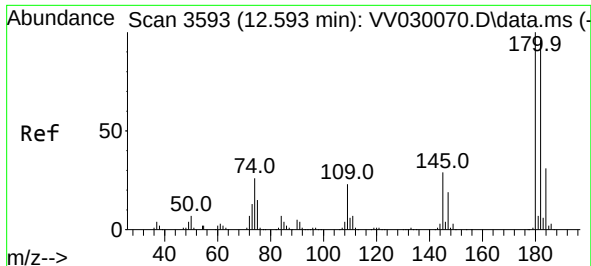
Tgt Ion:146 Resp: 405740
Ion Ratio Lower Upper
146 100
111 41.1 33.0 49.4
148 63.6 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 48.338 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030070.D
Acq: 20 Feb 2023 09:45

Tgt Ion: 75 Resp: 62105
Ion Ratio Lower Upper
75 100
155 94.0 76.2 114.2
157 119.8 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 51.090 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050283

Tgt Ion:180 Resp: 325201

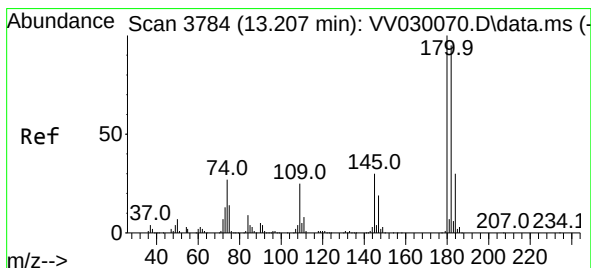
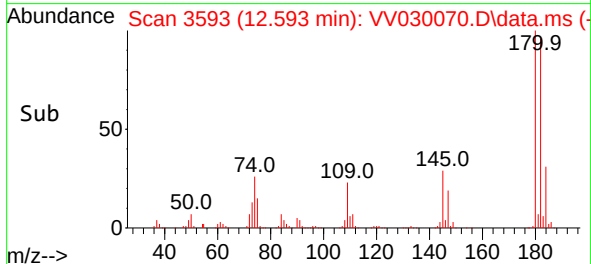
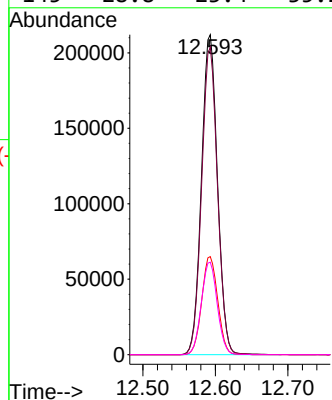
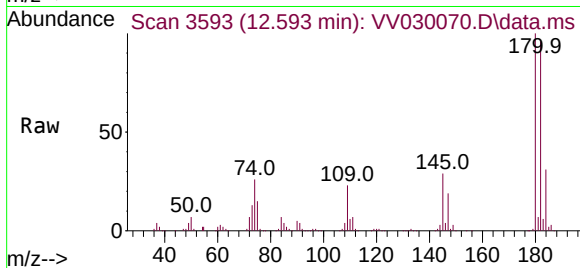
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

184 30.7 24.5 36.7

145 28.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 50.187 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

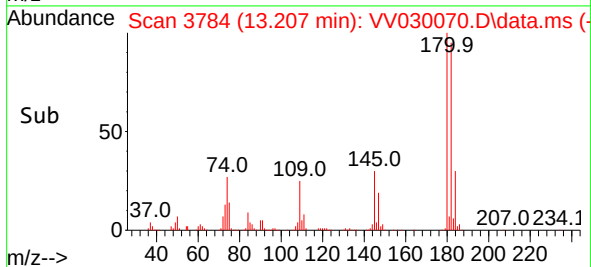
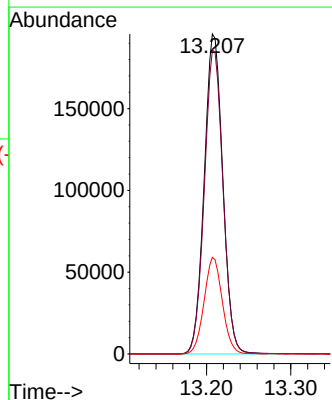
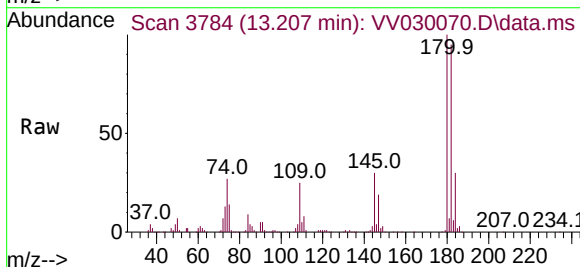
Tgt Ion:180 Resp: 300252

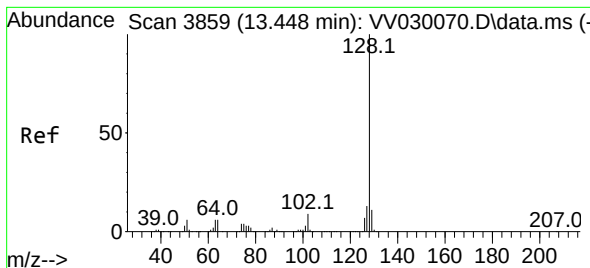
Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 29.7 24.3 36.5





#71

Naphthalene

Concen: 49.508 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050283

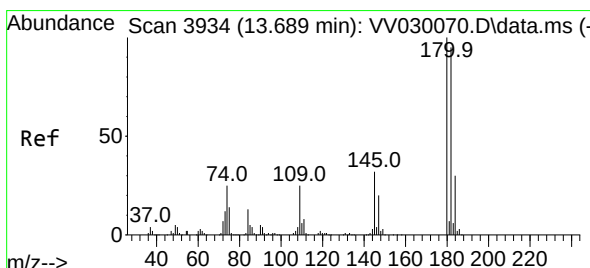
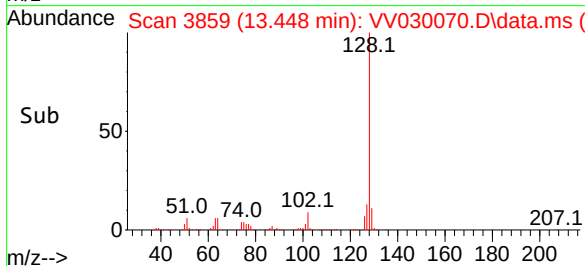
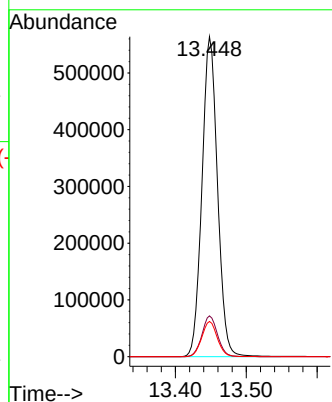
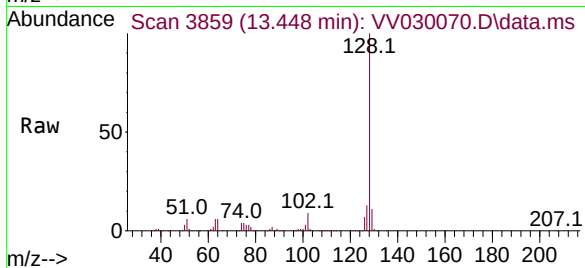
Tgt Ion:128 Resp: 859138

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.369 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030070.D

Acq: 20 Feb 2023 09:45

Tgt Ion:180 Resp: 295739

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 31.1 25.0 37.6

