

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030581.D
 Acq On : 17 Apr 2023 11:39
 Operator : SY/MD
 Sample : VSTD10018
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100218

Quant Time: Apr 18 02:11:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	265611	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	266459	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	163746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	207821	106.732	ug/L	0.00
7) Chloroethane-d5	1.535	69	168871	103.494	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	95123	103.015	ug/L	0.00
21) 2-Butanone-d5	3.799	46	243352	226.066	ug/L	0.00
24) Chloroform-d	4.259	84	368272	104.366	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	237034	104.483	ug/L	0.00
32) Benzene-d6	4.969	84	676839	107.437	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	204508	104.506	ug/L	0.00
41) Toluene-d8	7.252	98	654820	110.706	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	108594	110.101	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	176036	239.324	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	299558	105.495	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	268053	102.991	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	231078	101.188	ug/L	99
3) Chloromethane	1.217	50	294841	98.424	ug/L	99
5) Vinyl chloride	1.288	62	245480	101.642	ug/L	100
6) Bromomethane	1.494	94	93948	98.101	ug/L	97
8) Chloroethane	1.555	64	170781	103.101	ug/L	98
9) Trichlorofluoromethane	1.715	101	397454	101.539	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	210719	102.434	ug/L	98
12) 1,1-Dichloroethene	2.076	96	192409	103.454	ug/L	97
13) Acetone	2.127	43	331462	200.289	ug/L	97
14) Carbon disulfide	2.246	76	546890	104.107	ug/L	99
15) Methyl Acetate	2.381	43	236765	107.207	ug/L	99
16) Methylene chloride	2.455	84	210834	99.061	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	198953	105.964	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	666892	110.891	ug/L	99
19) 1,1-Dichloroethane	3.121	63	392803	102.612	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	220987	108.199	ug/L	99
22) 2-Butanone	3.879	43	368303	212.208	ug/L	99
23) Bromochloromethane	4.156	128	117504	103.009	ug/L	97
25) Chloroform	4.284	83	410053	103.493	ug/L	99
27) 1,2-Dichloroethane	5.050	62	350888	104.641	ug/L	99
29) Cyclohexane	4.593	56	356343	111.440	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	375895	100.395	ug/L	99
31) Carbon tetrachloride	4.744	117	335249	100.148	ug/L	99
33) Benzene	5.018	78	860202	106.309	ug/L	100
34) Trichloroethene	5.841	95	218062	103.608	ug/L	98
35) Methylcyclohexane	6.059	83	366943	111.267	ug/L	100
37) 1,2-Dichloropropane	6.101	63	225575	103.576	ug/L	99
38) Bromodichloromethane	6.439	83	311955	101.967	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	371926	113.783	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	681080	227.005	ug/L	99
42) Toluene	7.323	91	949846	109.596	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	363080	113.060	ug/L	100

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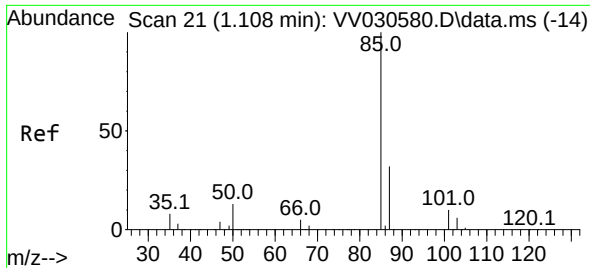
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	224222	102.673	ug/L	99
46) Tetrachloroethene	7.911	164	190129	103.205	ug/L	97
48) 2-Hexanone	8.082	43	562439	233.281	ug/L	99
49) Dibromochloromethane	8.185	129	245506	101.918	ug/L	98
50) 1,2-Dibromoethane	8.288	107	234616	103.684	ug/L	99
51) Chlorobenzene	8.821	112	601712	104.830	ug/L	99
52) Ethylbenzene	8.953	91	1072682	111.800	ug/L	99
53) m,p-Xylene	9.082	106	405340	111.844	ug/L	99
54) o-Xylene	9.487	106	395610	111.582	ug/L	99
55) Styrene	9.503	104	704108	113.057	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	373210	104.088	ug/L	99
59) Bromoform	9.670	173	202569	98.809	ug/L	99
60) Isopropylbenzene	9.876	105	1098158	107.535	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	287398	97.995	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	926793	110.227	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	926548	110.368	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	533869	104.419	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	547284	101.511	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	534219	103.573	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	85243	98.249	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	410702	106.339	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	361889	110.358	ug/L	99
71) Naphthalene	13.448	128	1044872	116.480	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	360837	110.969	ug/L	100

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

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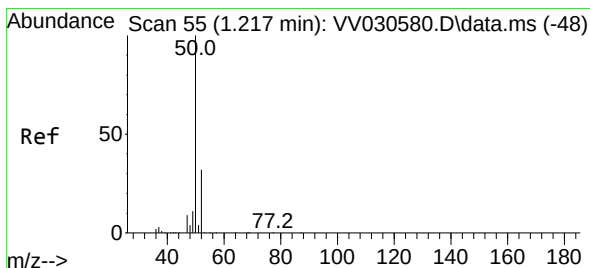
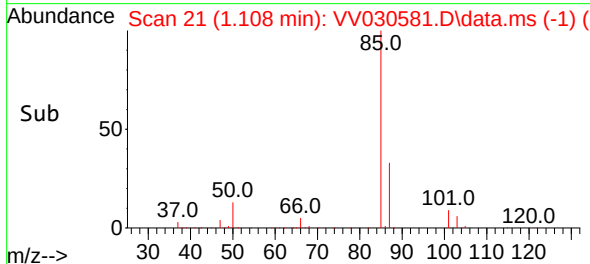
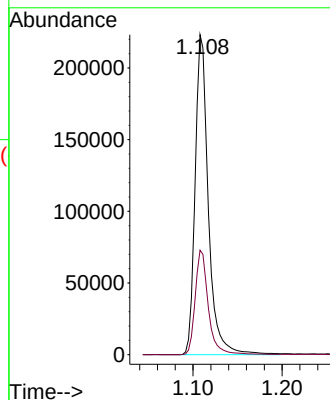
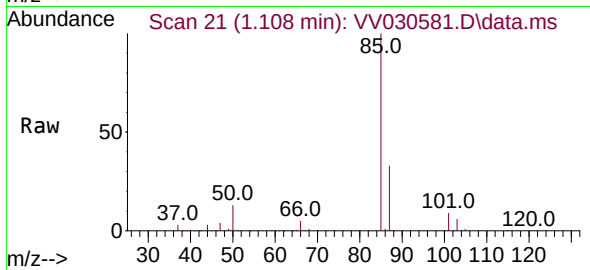




#2
 Dichlorodifluoromethane
 Concen: 101.188 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

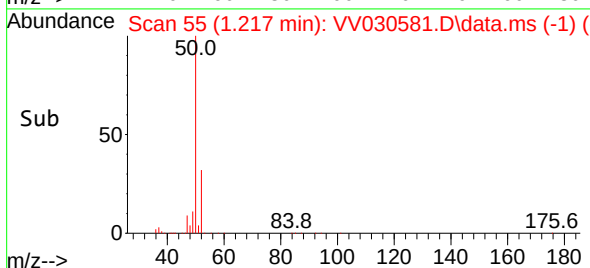
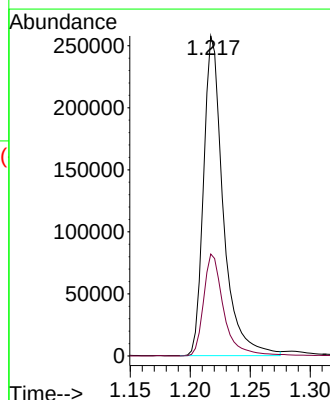
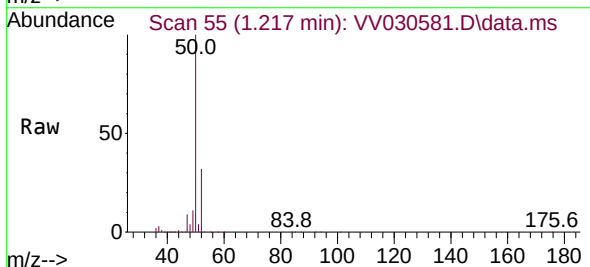
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100218

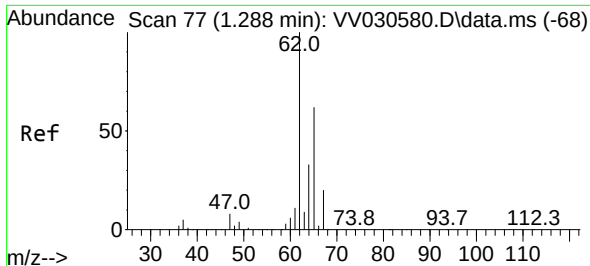
Tgt Ion: 85 Resp: 231078
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.6 38.4



#3
 Chloromethane
 Concen: 98.424 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

Tgt Ion: 50 Resp: 294841
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.5 41.9

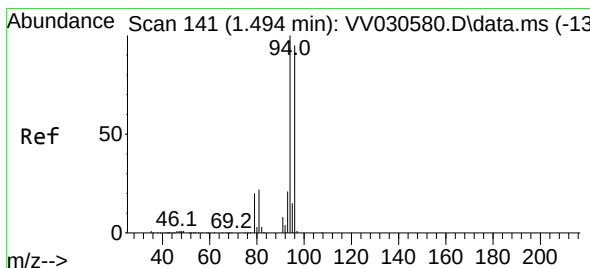
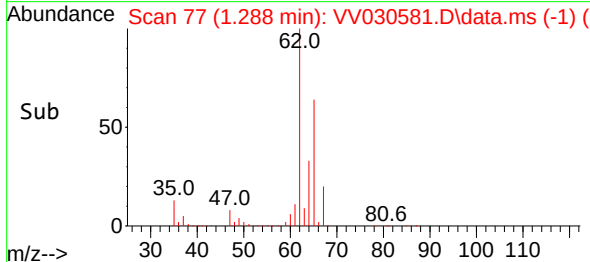
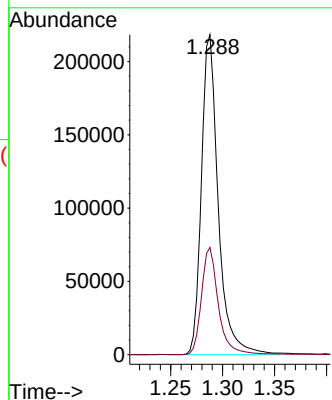
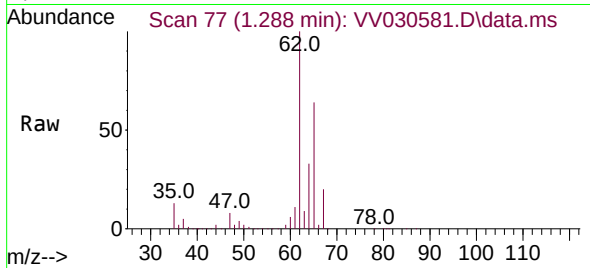




#5
 Vinyl chloride
 Concen: 101.642 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

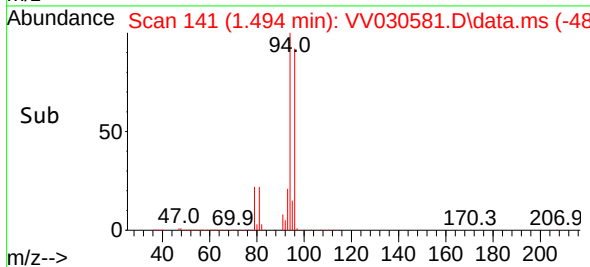
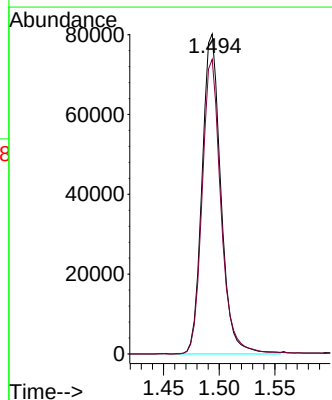
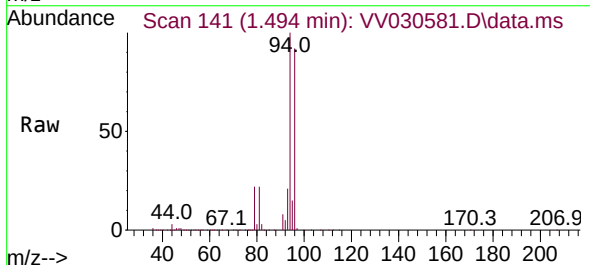
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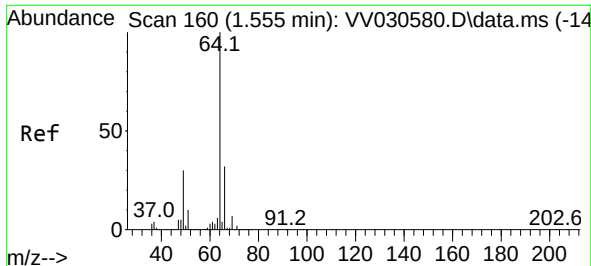
Tgt Ion: 62 Resp: 245480
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.4



#6
 Bromomethane
 Concen: 98.101 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

Tgt Ion: 94 Resp: 93948
 Ion Ratio Lower Upper
 94 100
 96 92.0 66.3 123.1

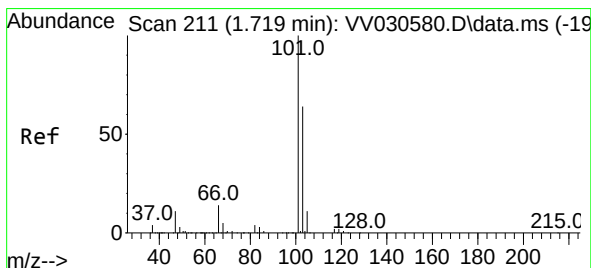
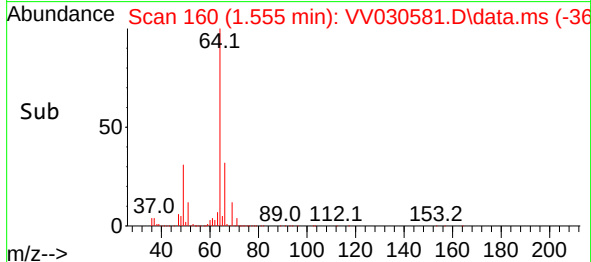
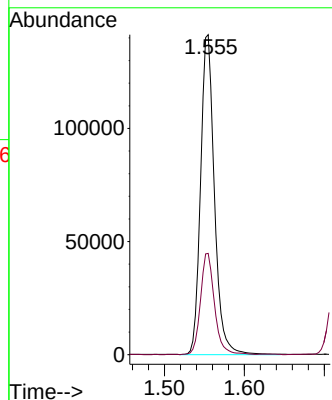
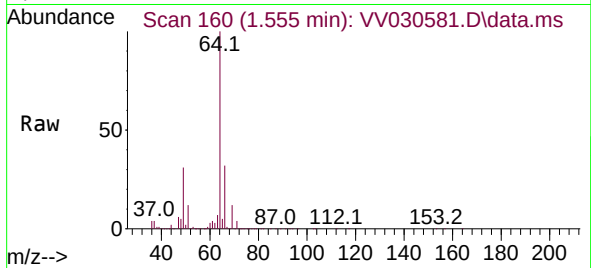




#8
Chloroethane
Concen: 103.101 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

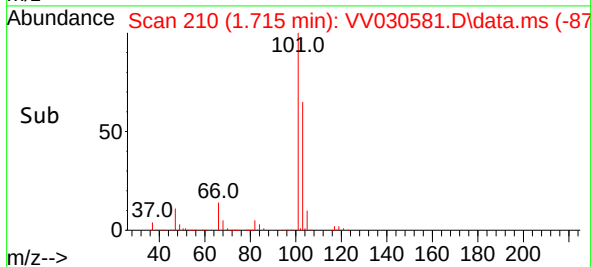
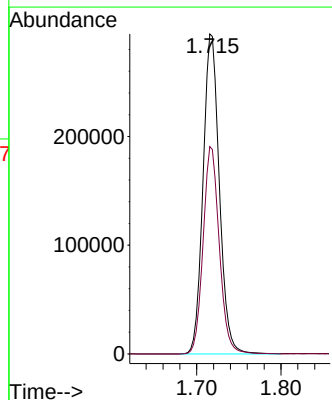
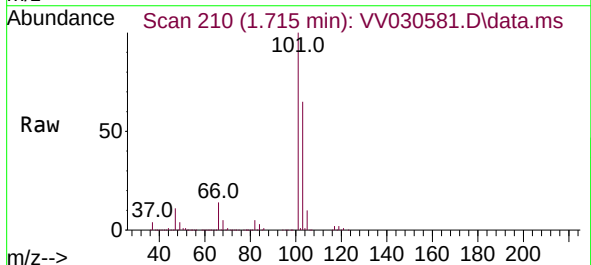
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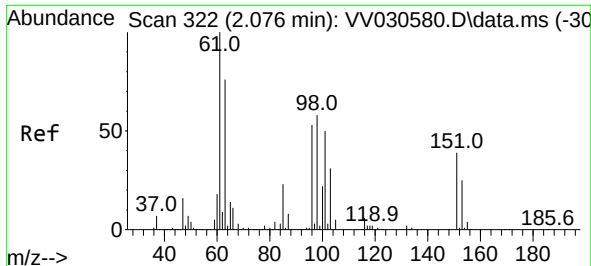
Tgt Ion: 64 Resp: 170781
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.3



#9
Trichlorofluoromethane
Concen: 101.539 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion:101 Resp: 397454
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.0

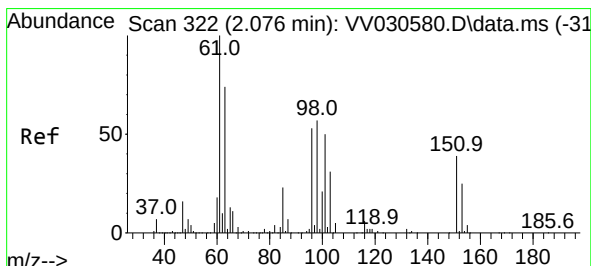
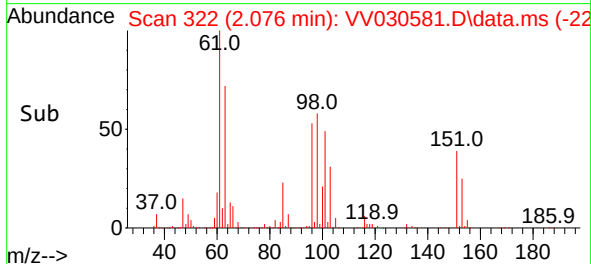
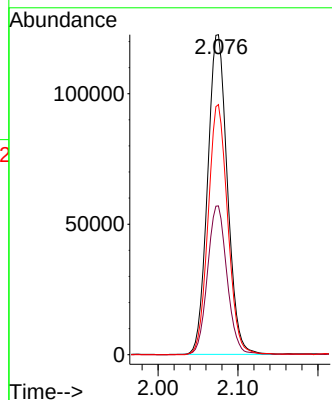
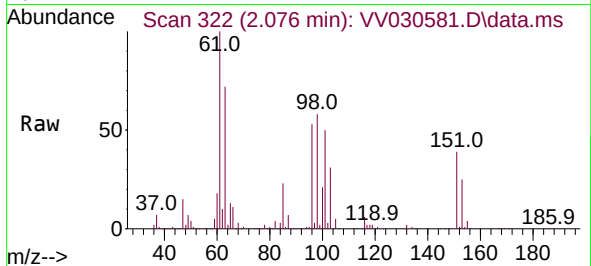




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 102.434 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

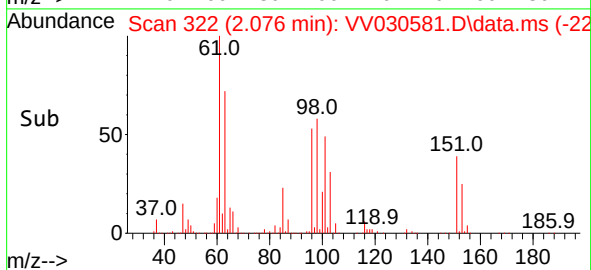
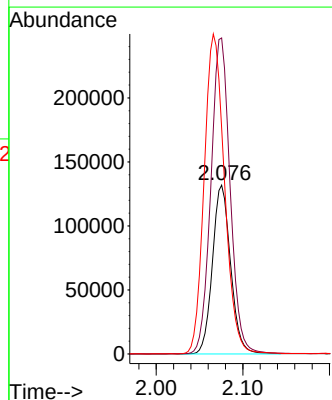
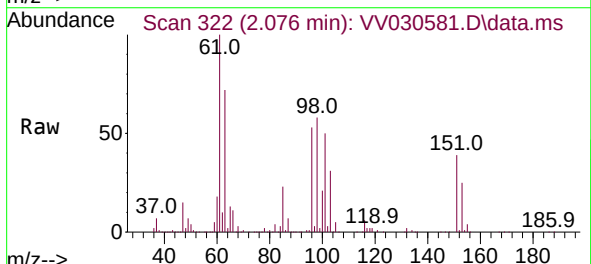
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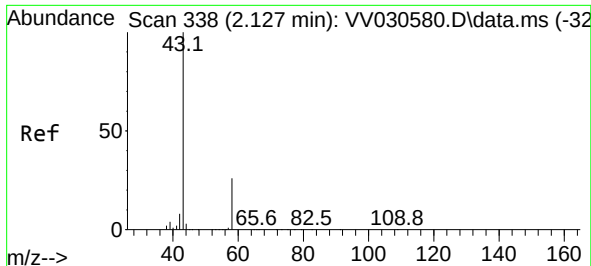
Tgt Ion:101 Resp: 210719
 Ion Ratio Lower Upper
 101 100
 85 45.9 37.5 56.3
 151 77.5 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 103.454 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

Tgt Ion: 96 Resp: 192409
 Ion Ratio Lower Upper
 96 100
 61 187.3 131.9 245.0
 63 134.0 99.8 185.3





#13

Acetone

Concen: 200.289 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

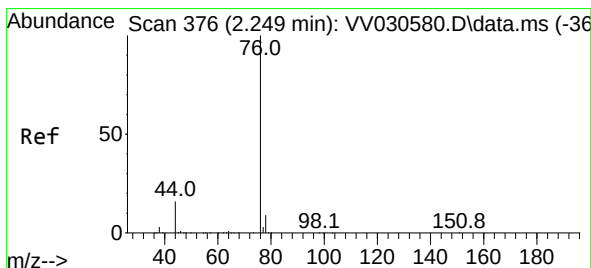
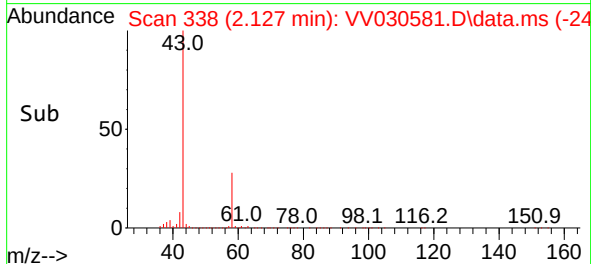
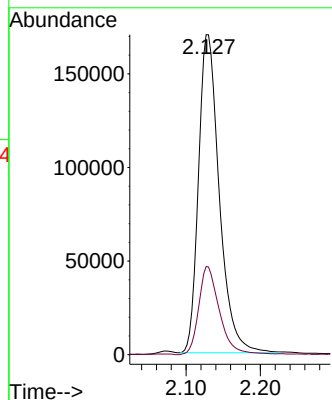
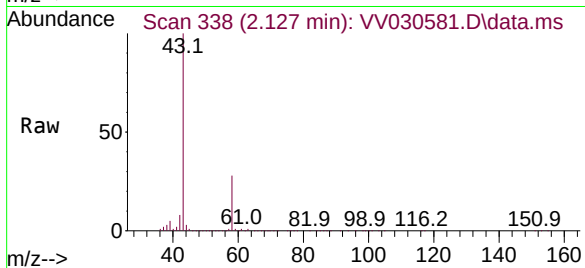
VSTD100218

Tgt Ion: 43 Resp: 331462

Ion Ratio Lower Upper

43 100

58 27.7 0.0 52.8



#14

Carbon disulfide

Concen: 104.107 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV030581.D

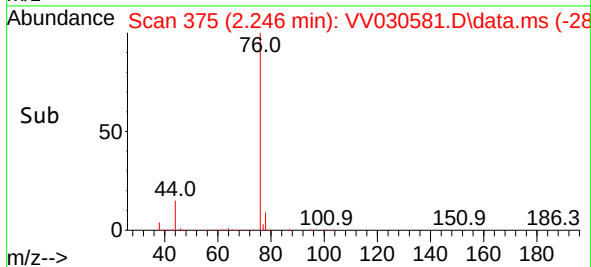
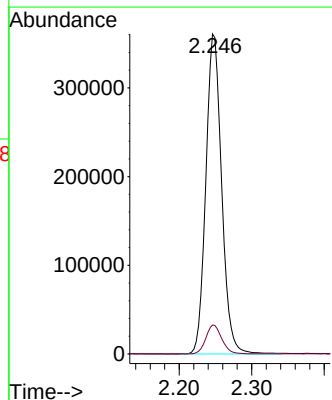
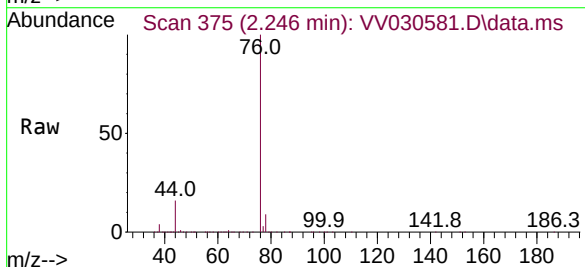
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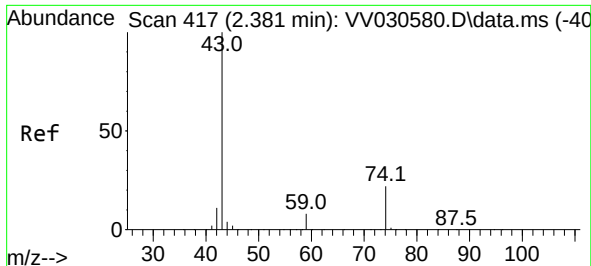
Tgt Ion: 76 Resp: 546890

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

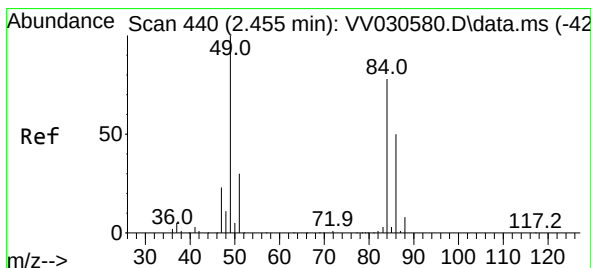
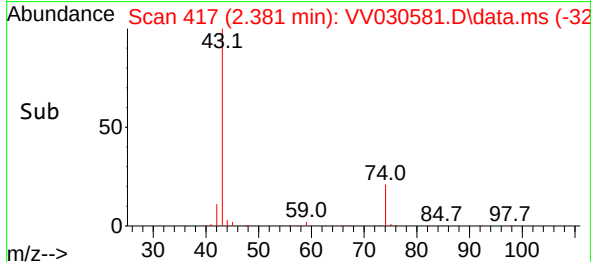
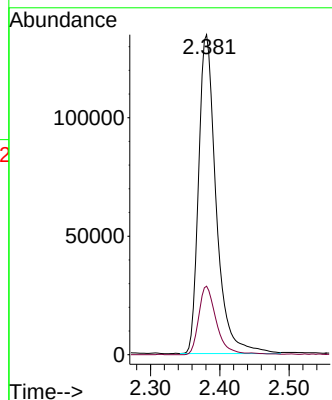
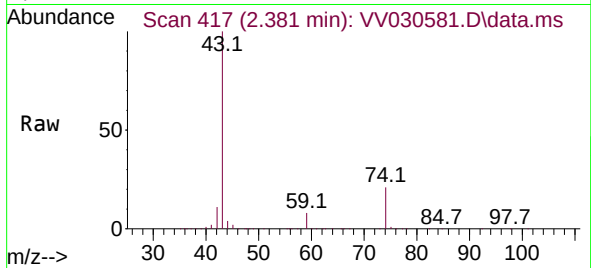




#15
Methyl Acetate
Concen: 107.207 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

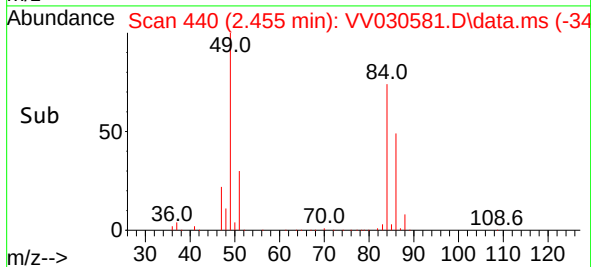
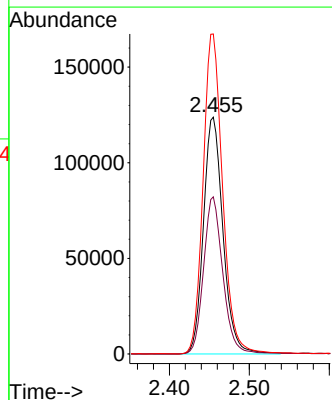
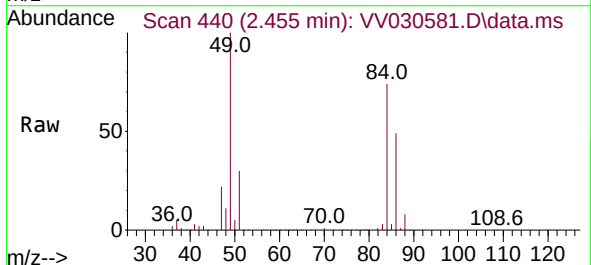
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ClientSampleId :
VSTD100218

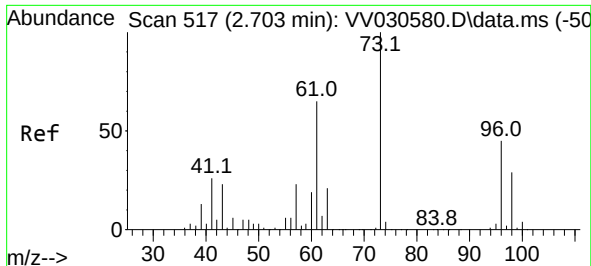
Tgt Ion: 43 Resp: 236765
Ion Ratio Lower Upper
43 100
74 21.4 17.7 26.5



#16
Methylene chloride
Concen: 99.061 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 84 Resp: 210834
Ion Ratio Lower Upper
84 100
86 66.3 45.4 84.2
49 135.1 90.4 168.0

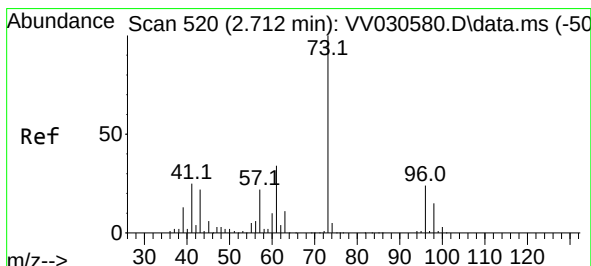
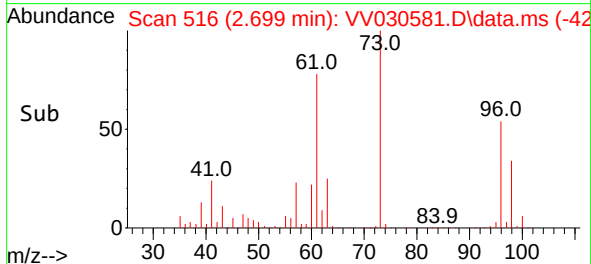
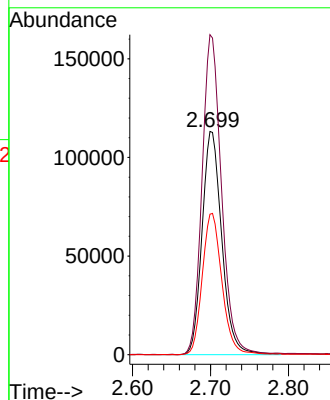
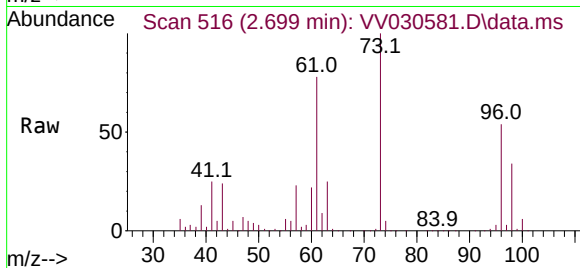




#17
trans-1,2-Dichloroethene
Concen: 105.964 ug/L
RT: 2.699 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

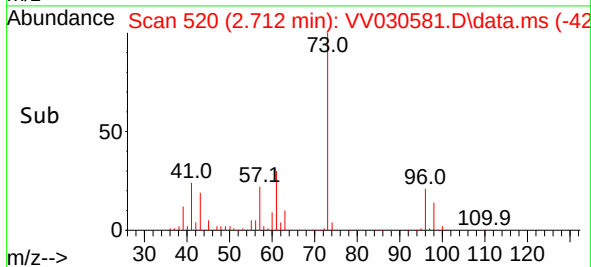
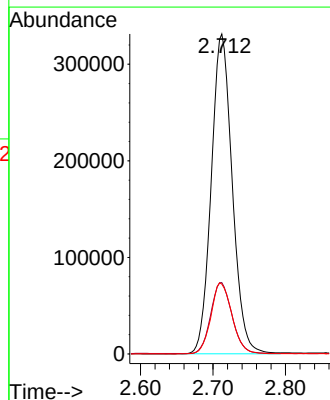
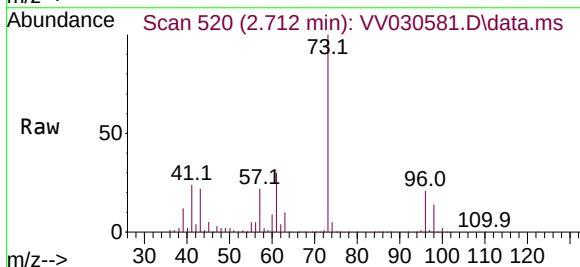
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

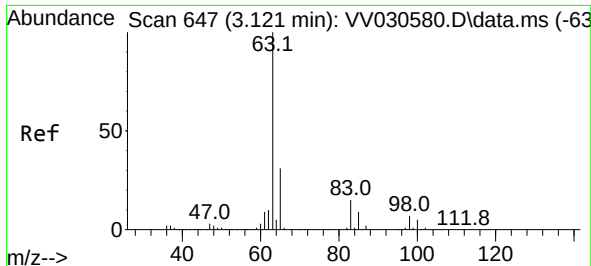
Tgt Ion: 96 Resp: 198953
Ion Ratio Lower Upper
96 100
61 143.4 101.0 187.6
98 62.9 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 110.891 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 73 Resp: 666892
Ion Ratio Lower Upper
73 100
43 22.4 17.6 26.4
57 22.3 18.2 27.2





#19

1,1-Dichloroethane

Concen: 102.612 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

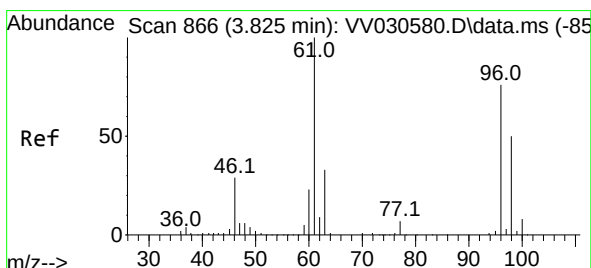
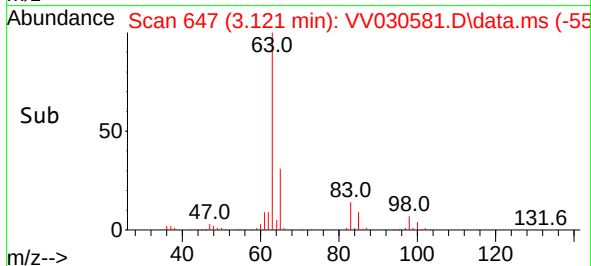
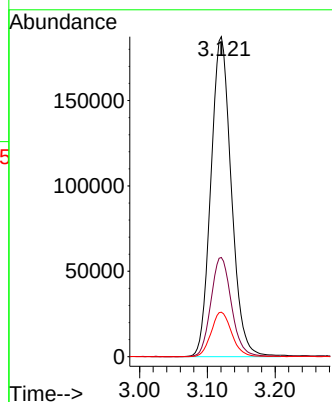
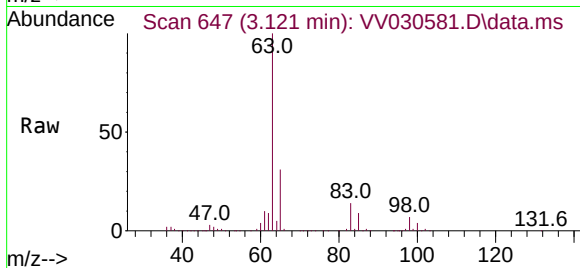
Tgt Ion: 63 Resp: 392803

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

83 13.9 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 108.199 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

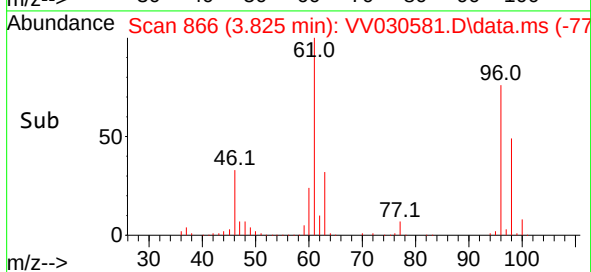
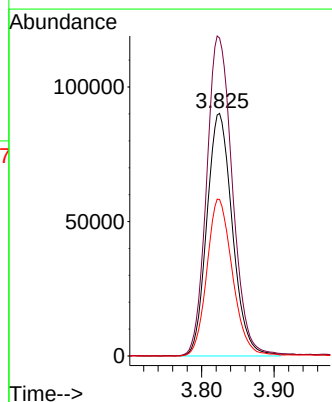
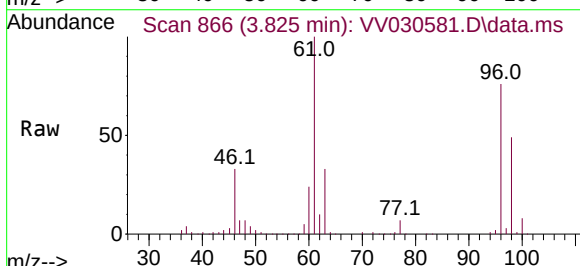
Tgt Ion: 96 Resp: 220987

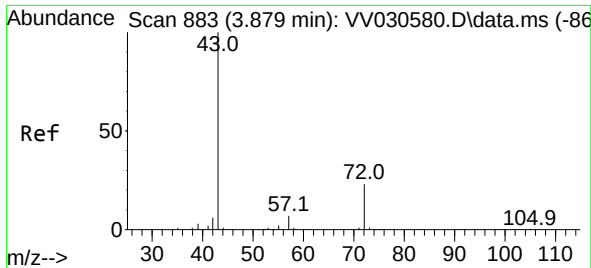
Ion Ratio Lower Upper

96 100

61 131.0 92.3 171.3

98 64.5 45.9 85.3

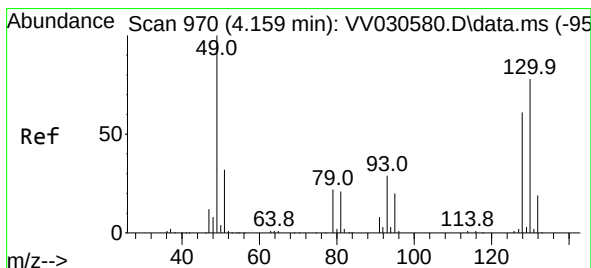
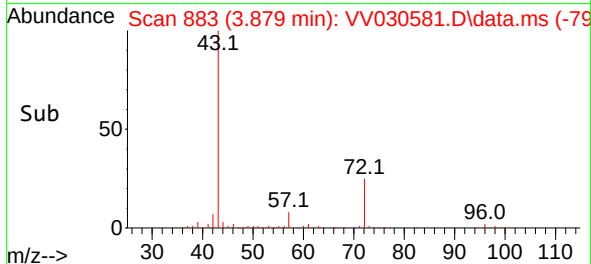
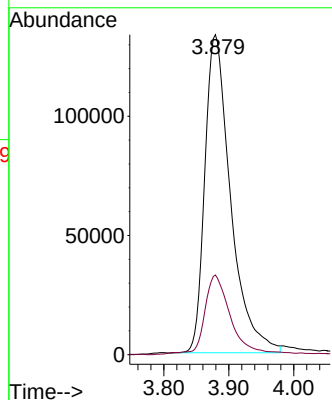
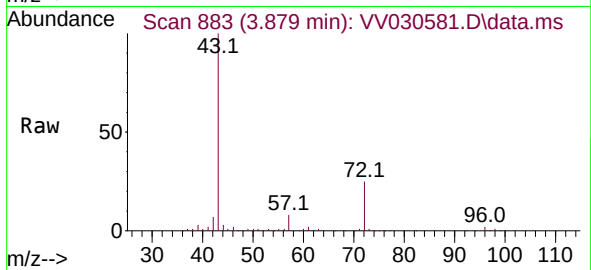




#22
2-Butanone
Concen: 212.208 ug/L
RT: 3.879 min Scan# 883
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

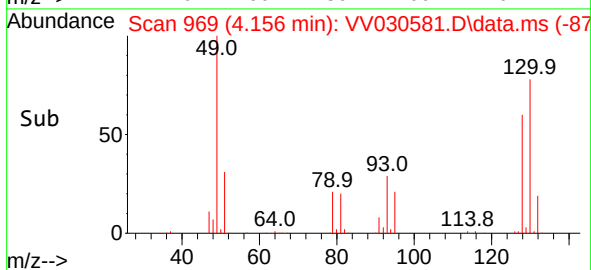
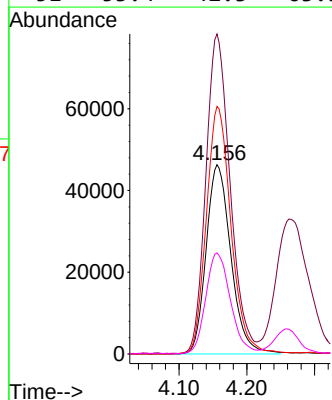
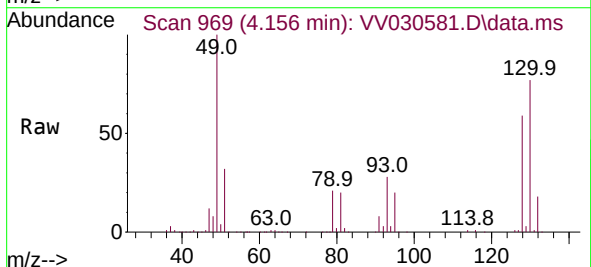
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

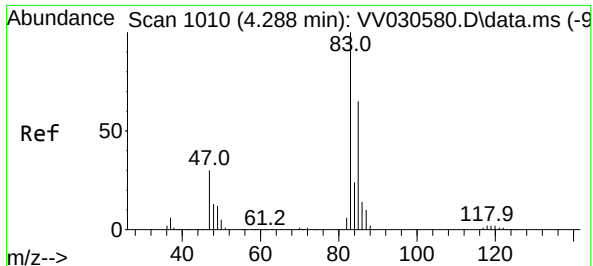
Tgt Ion: 43 Resp: 368303
Ion Ratio Lower Upper
43 100
72 22.6 11.5 34.4



#23
Bromochloromethane
Concen: 103.009 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 128 Resp: 117504
Ion Ratio Lower Upper
128 100
49 169.1 114.7 213.1
130 130.9 89.0 165.2
51 53.4 42.3 63.5

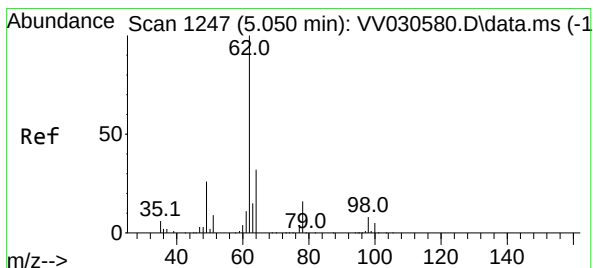
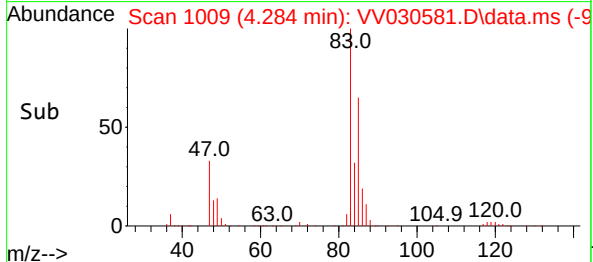
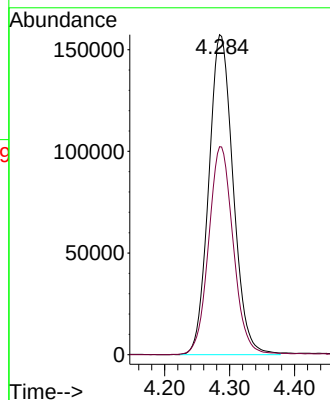
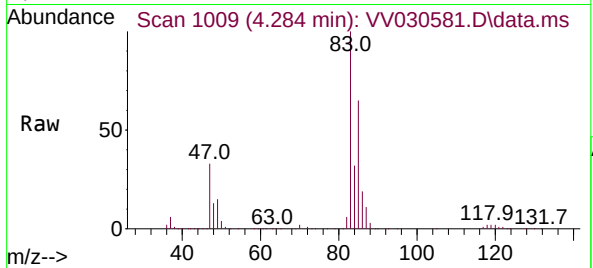




#25
Chloroform
Concen: 103.493 ug/L
RT: 4.284 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

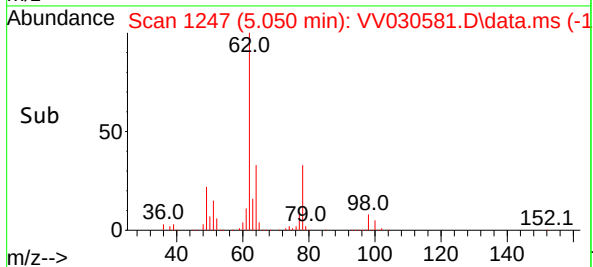
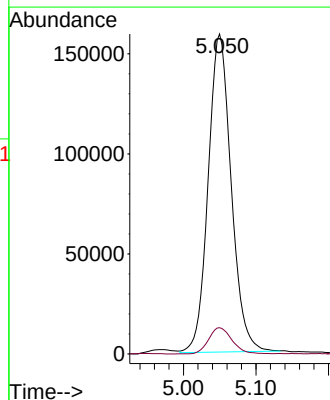
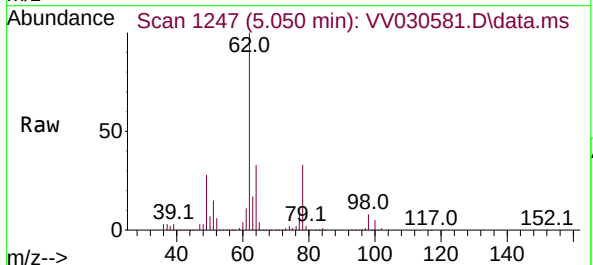
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

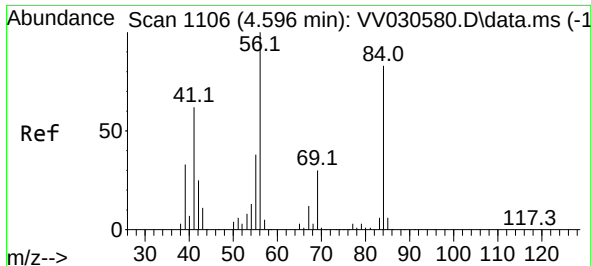
Tgt Ion: 83 Resp: 410053
Ion Ratio Lower Upper
83 100
85 65.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 104.641 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 62 Resp: 350888
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6





#29

Cyclohexane

Concen: 111.440 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

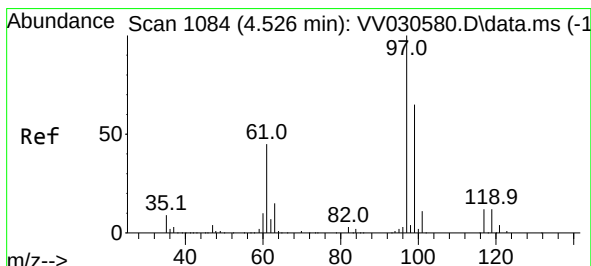
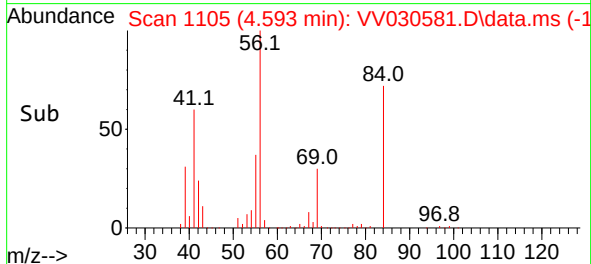
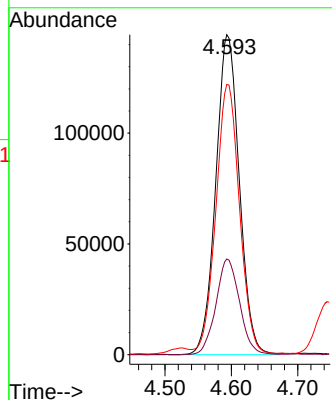
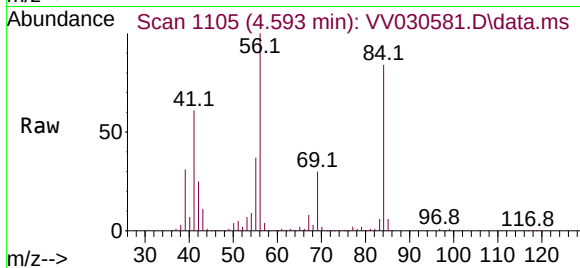
Tgt Ion: 56 Resp: 356343

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 84.4 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 100.395 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.003 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

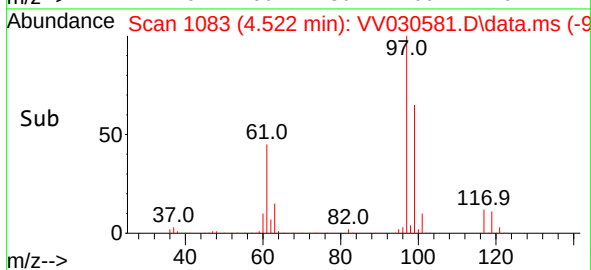
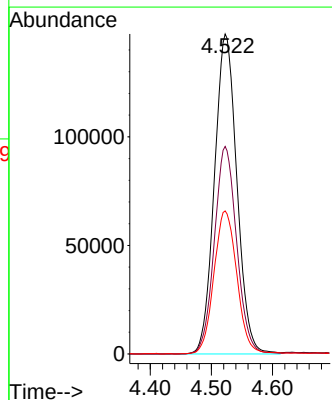
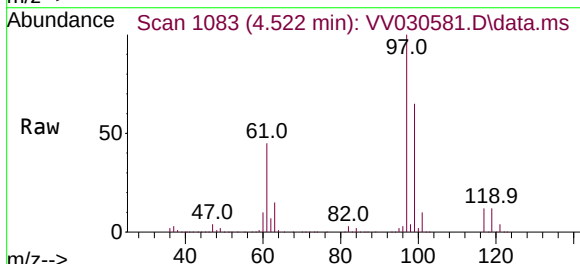
Tgt Ion: 97 Resp: 375895

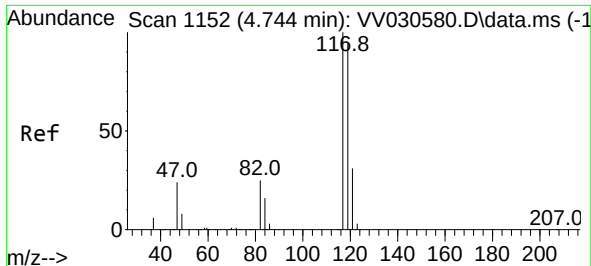
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 45.5 37.0 55.6

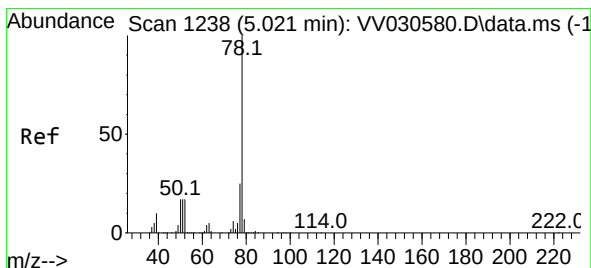
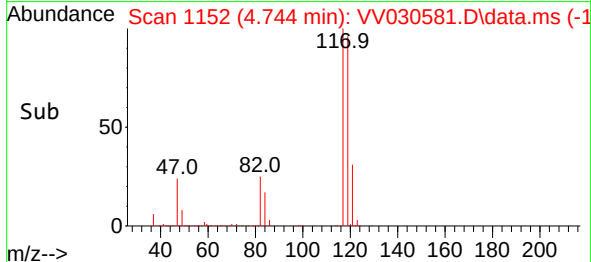
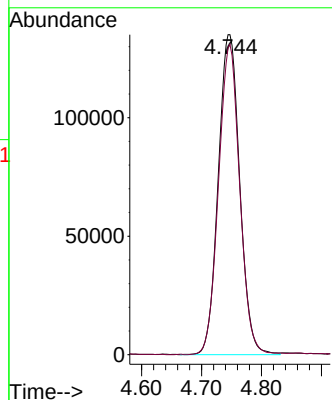
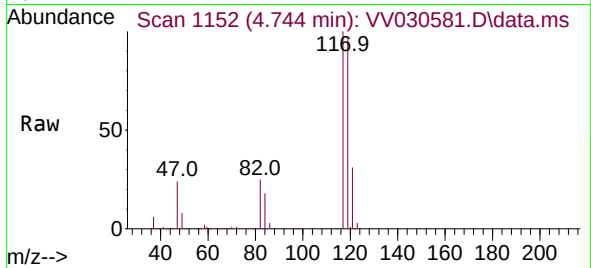




#31
Carbon tetrachloride
Concen: 100.148 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

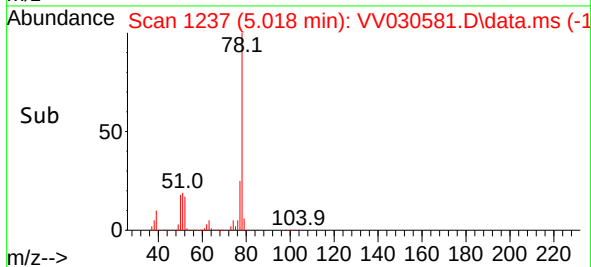
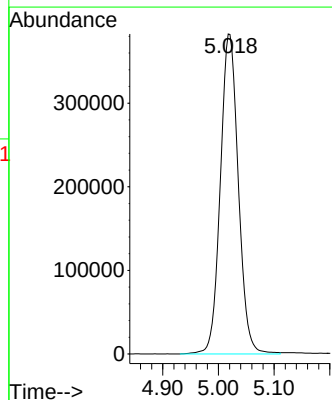
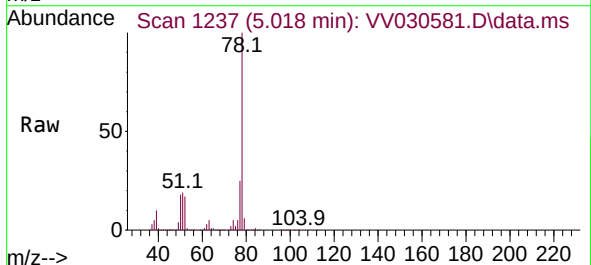
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

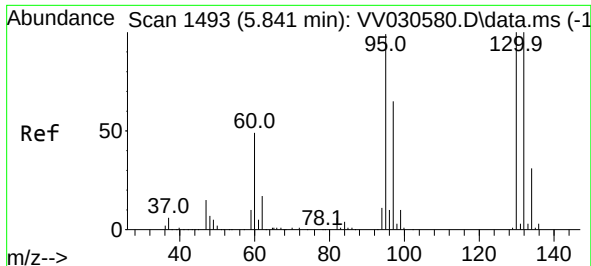
Tgt Ion:117 Resp: 335249
Ion Ratio Lower Upper
117 100
119 95.5 75.9 113.9



#33
Benzene
Concen: 106.309 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 78 Resp: 860202

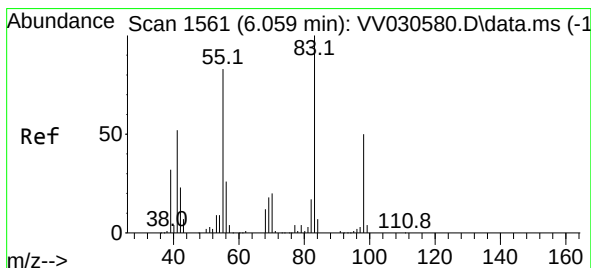
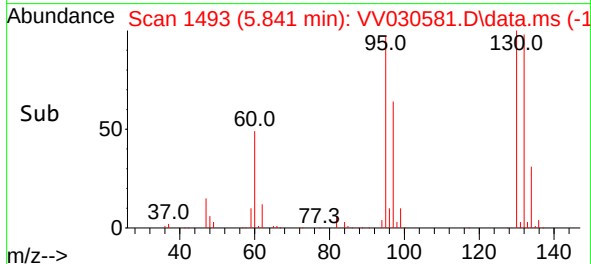
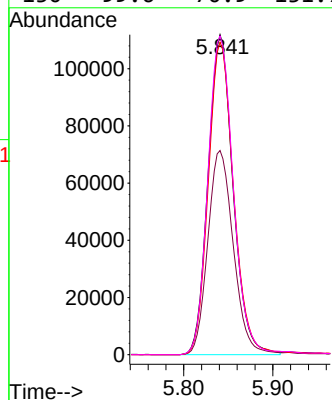
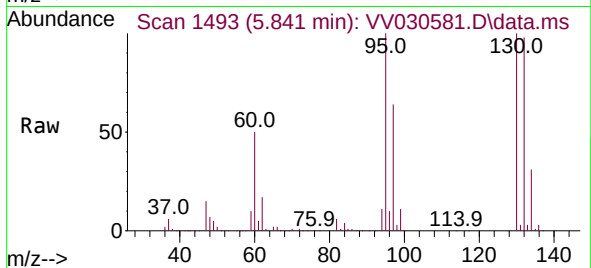




#34
Trichloroethene
Concen: 103.608 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

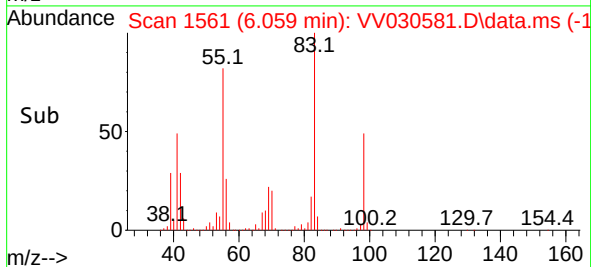
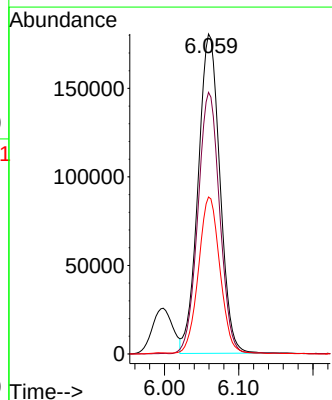
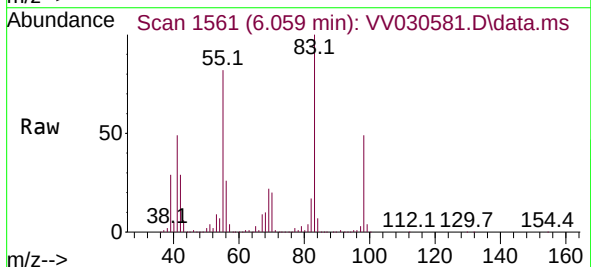
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

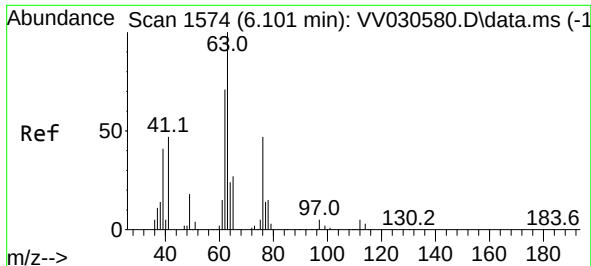
Tgt Ion: 95 Resp: 218062
Ion Ratio Lower Upper
95 100
97 63.8 45.8 85.2
132 97.7 70.6 131.2
130 99.6 70.9 131.7



#35
Methylcyclohexane
Concen: 111.267 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 83 Resp: 366943
Ion Ratio Lower Upper
83 100
55 81.7 65.5 98.3
98 48.1 38.7 58.1

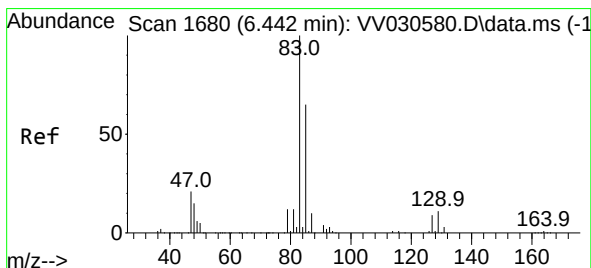
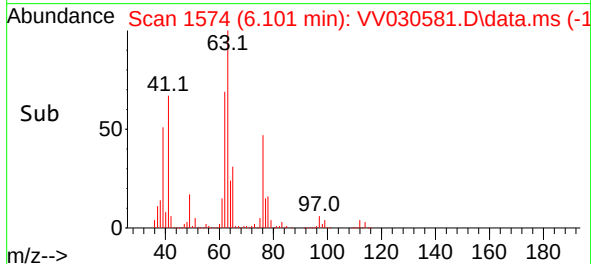
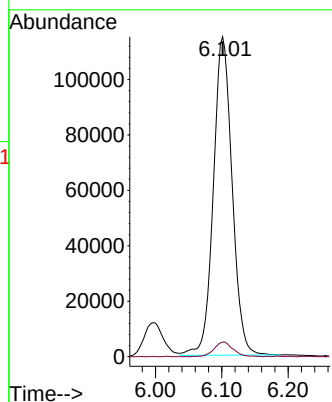
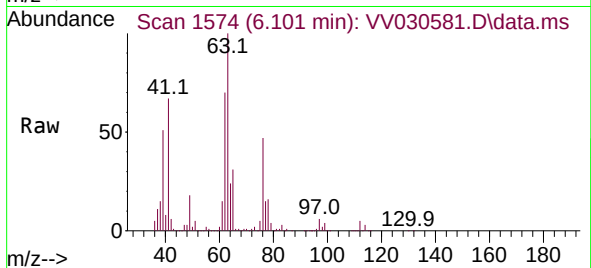




#37
1,2-Dichloropropane
Concen: 103.576 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

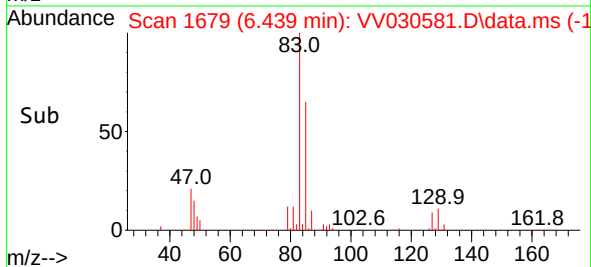
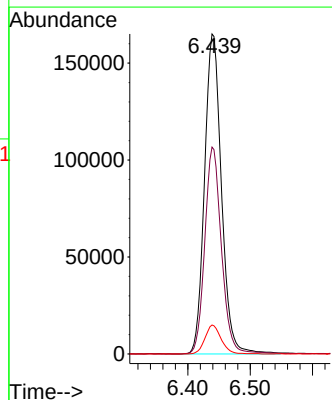
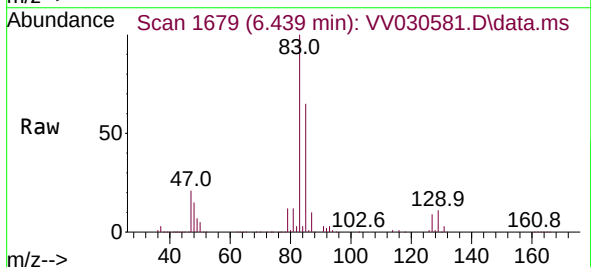
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

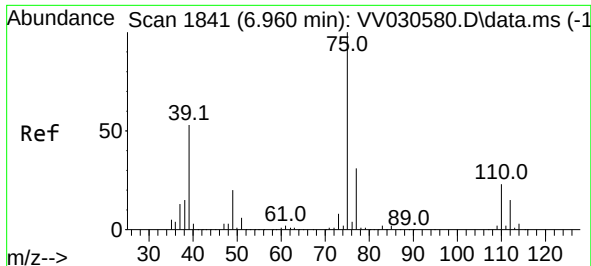
Tgt Ion: 63 Resp: 225575
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.8



#38
Bromodichloromethane
Concen: 101.967 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 83 Resp: 311955
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4
127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 113.783 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

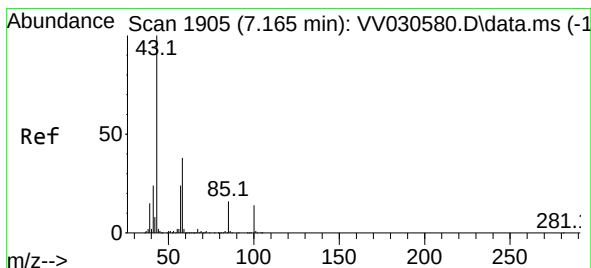
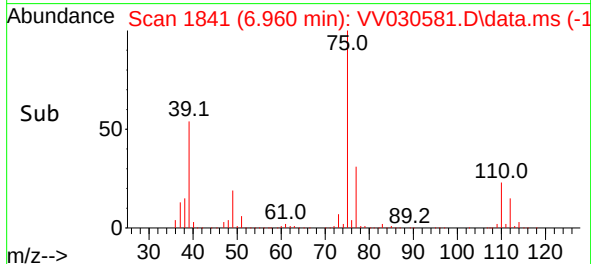
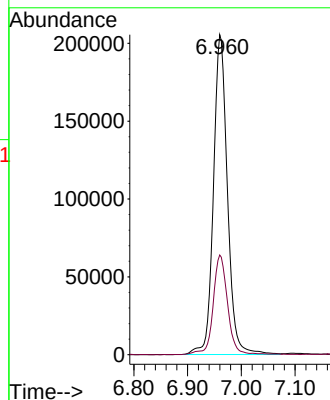
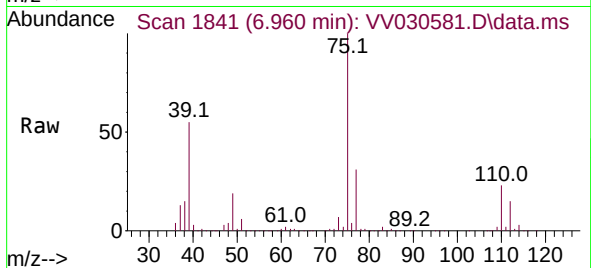
VSTD100218

Tgt Ion: 75 Resp: 371926

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 227.005 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

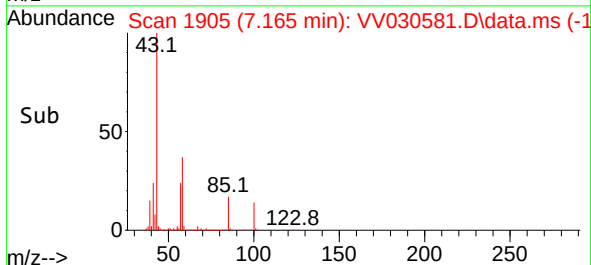
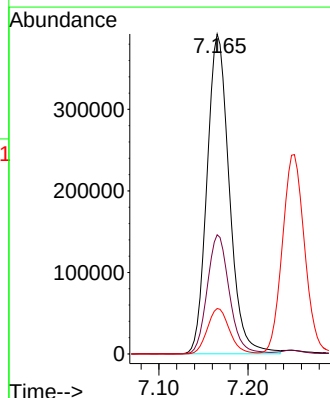
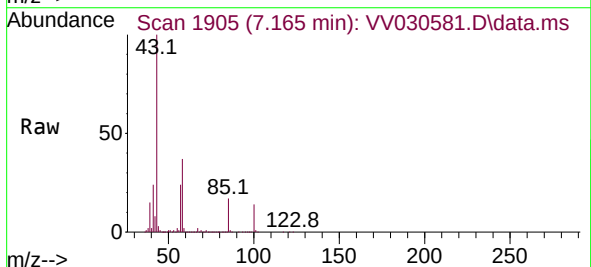
Tgt Ion: 43 Resp: 681080

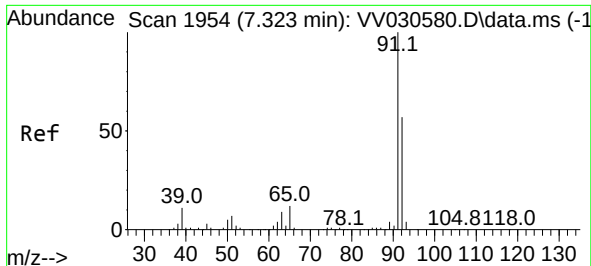
Ion Ratio Lower Upper

43 100

58 37.0 29.2 43.8

100 14.1 11.3 16.9

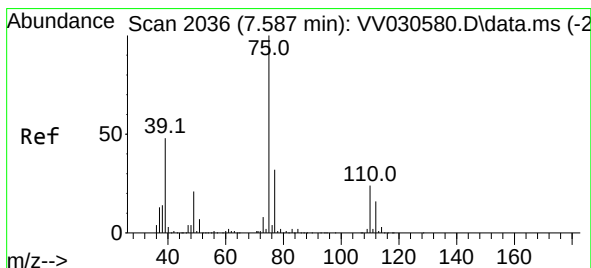
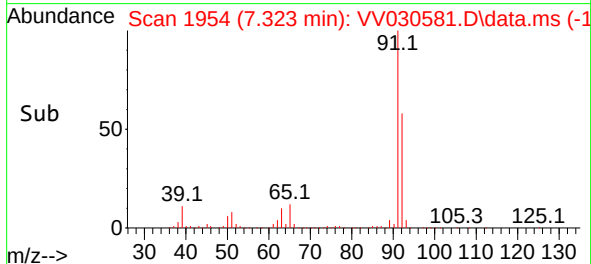
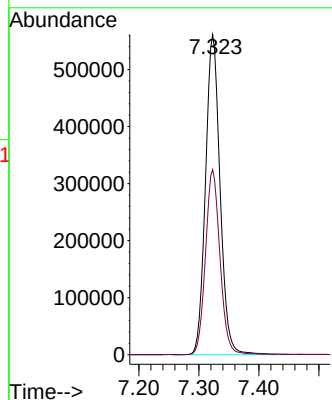
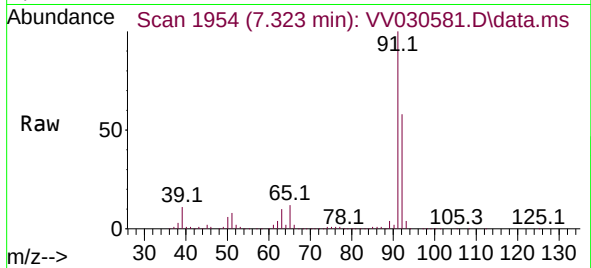




#42
Toluene
Concen: 109.596 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

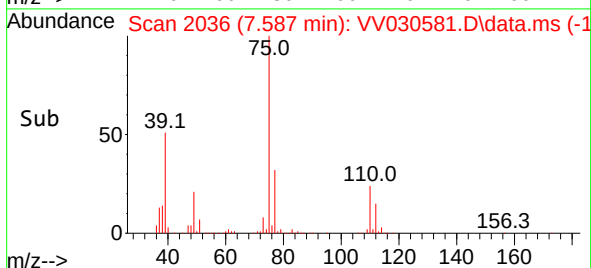
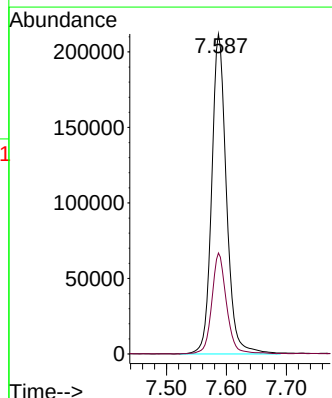
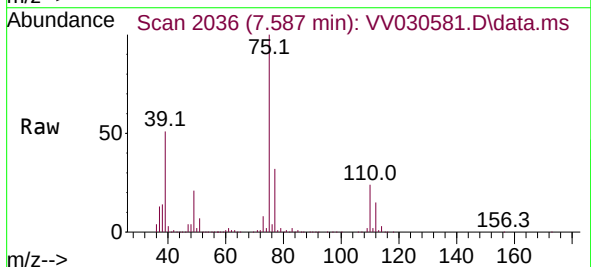
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

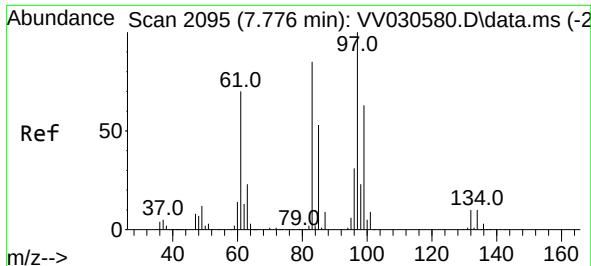
Tgt Ion: 91 Resp: 949846
Ion Ratio Lower Upper
91 100
92 57.8 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 113.060 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 75 Resp: 363080
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1



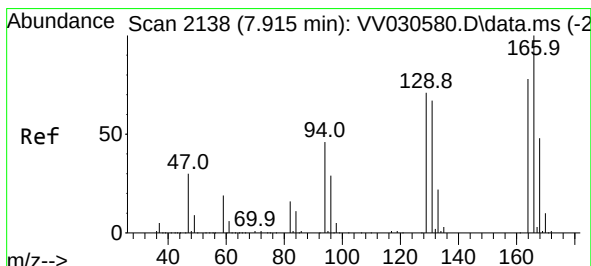
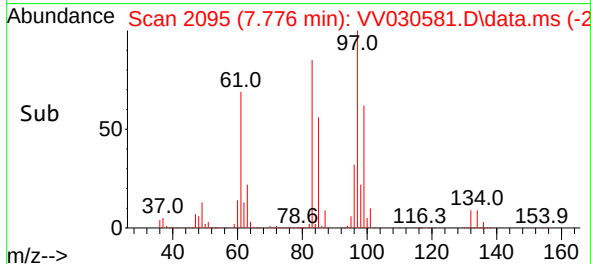
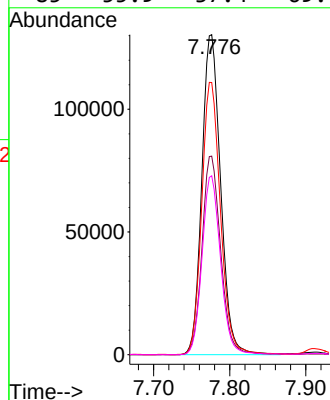
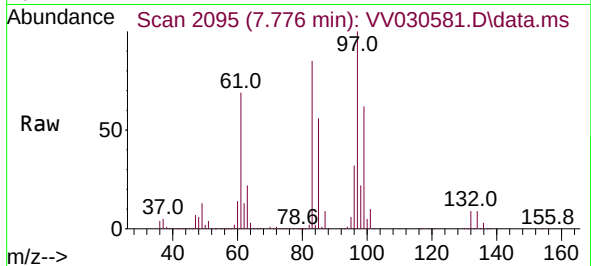


#45
1,1,2-Trichloroethane
Concen: 102.673 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

Tgt Ion: 97 Resp: 224222

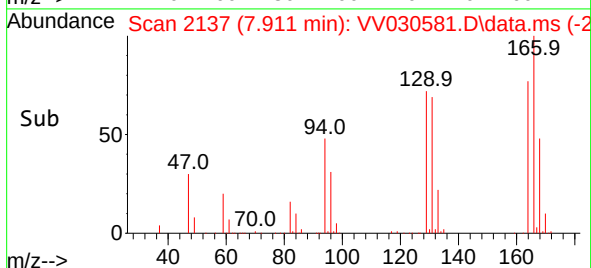
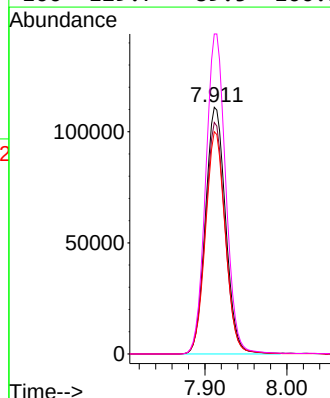
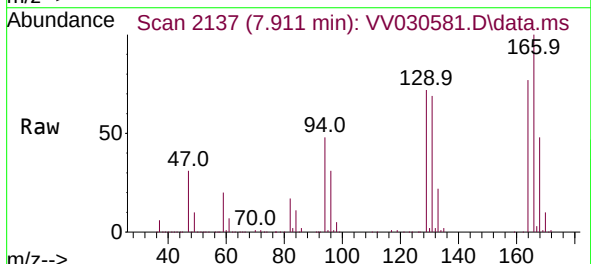
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.8	81.4
83	85.0	59.6	110.6
85	55.9	37.4	69.4

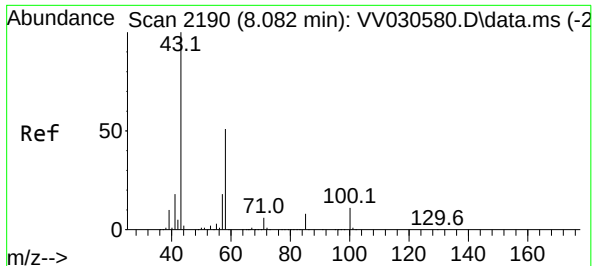


#46
Tetrachloroethene
Concen: 103.205 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 164 Resp: 190129

Ion	Ratio	Lower	Upper
164	100		
129	93.8	63.8	118.6
131	90.1	60.3	111.9
166	129.7	89.5	166.1

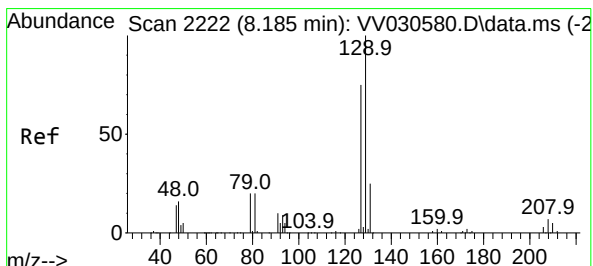
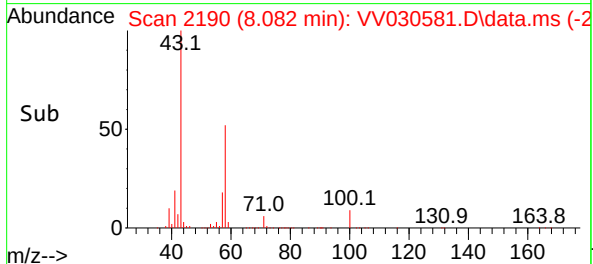
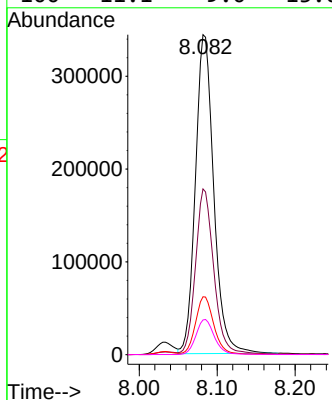
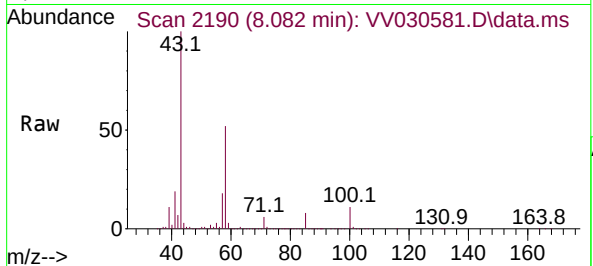




#48
2-Hexanone
Concen: 233.281 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

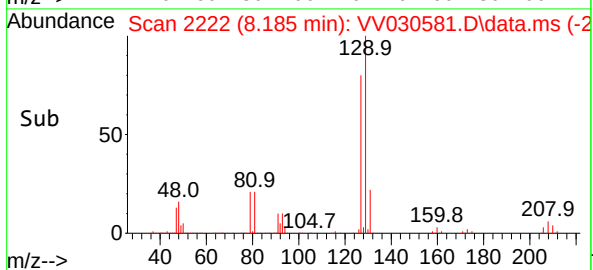
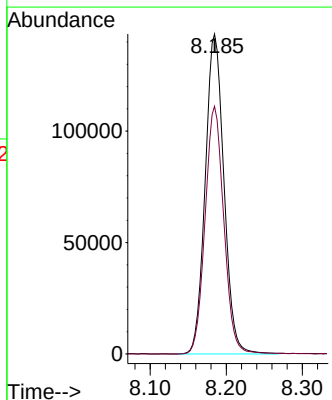
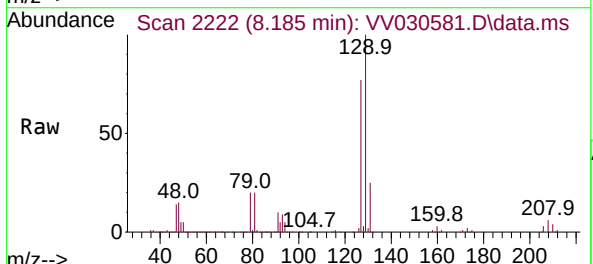
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

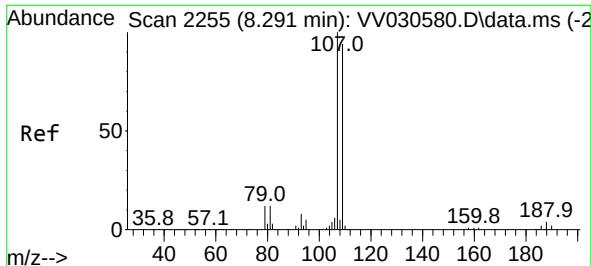
Tgt Ion: 43 Resp: 562439
Ion Ratio Lower Upper
43 100
58 51.1 41.4 62.0
57 17.9 14.9 22.3
100 11.1 9.0 13.6



#49
Dibromochloromethane
Concen: 101.918 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 129 Resp: 245506
Ion Ratio Lower Upper
129 100
127 77.4 52.8 98.2





#50

1,2-Dibromoethane

Concen: 103.684 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

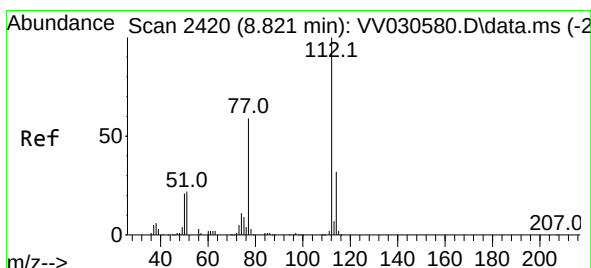
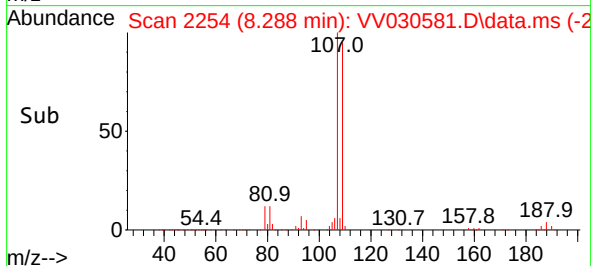
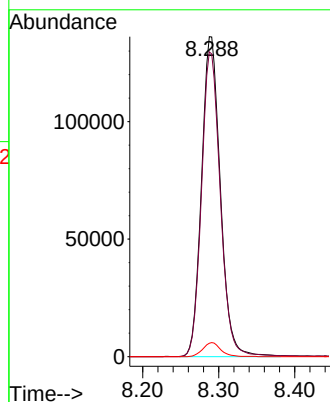
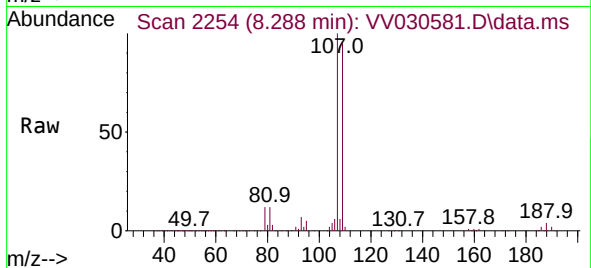
Tgt Ion:107 Resp: 234616

Ion Ratio Lower Upper

107 100

109 95.3 65.7 121.9

188 4.2 3.2 4.8



#51

Chlorobenzene

Concen: 104.830 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

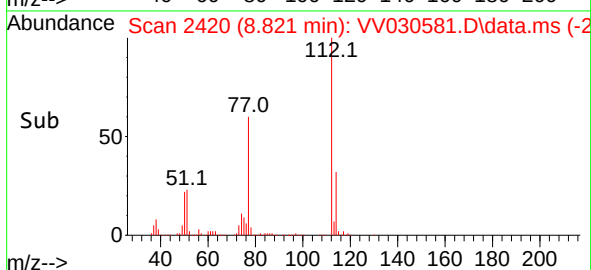
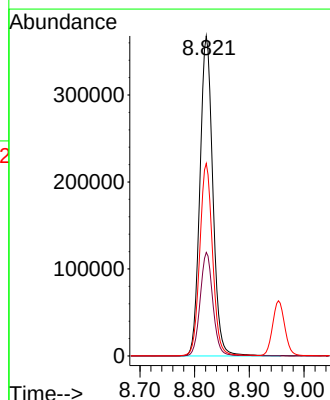
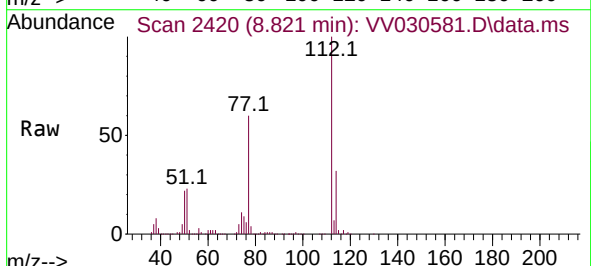
Tgt Ion:112 Resp: 601712

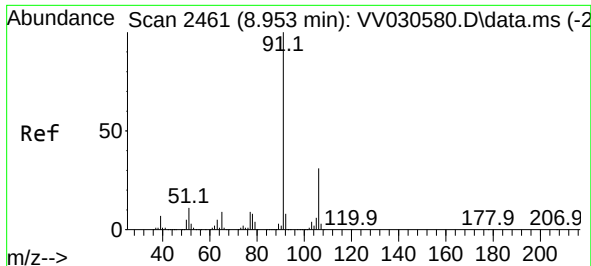
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 60.1 47.4 71.0

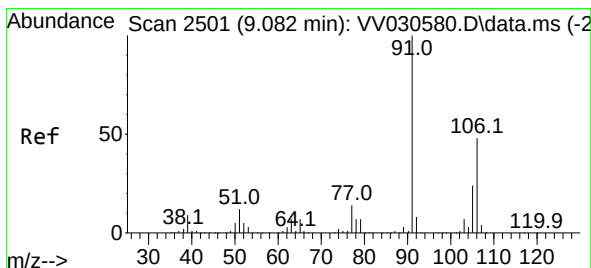
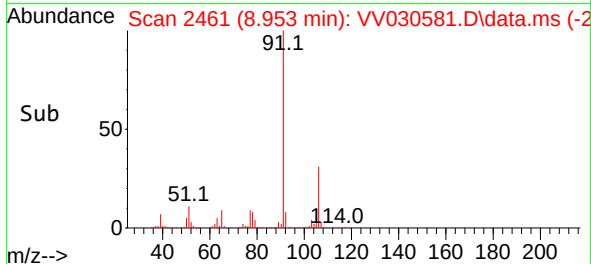
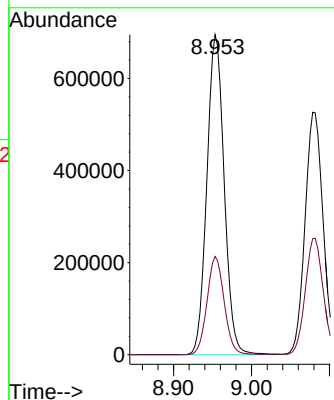
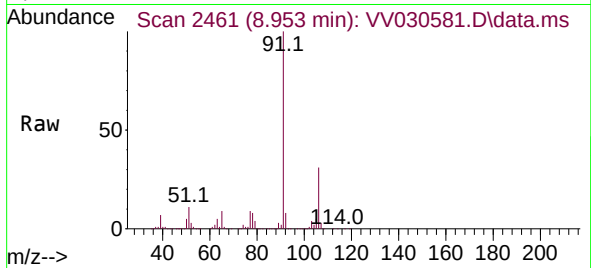




#52
Ethylbenzene
Concen: 111.800 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

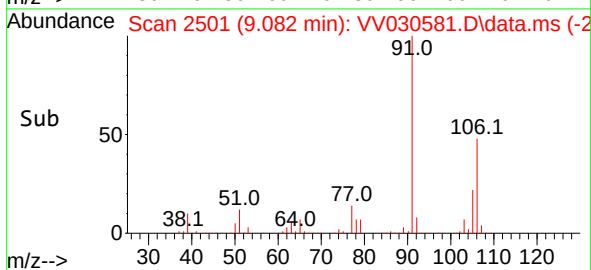
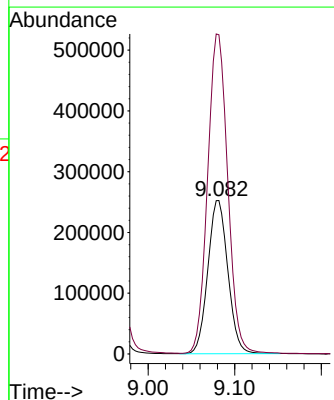
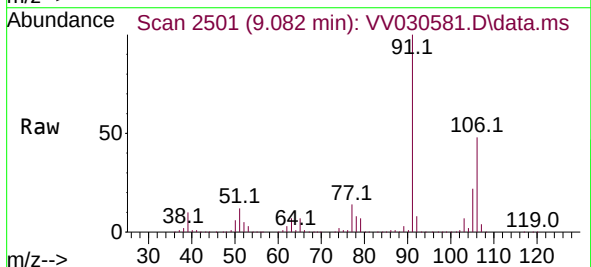
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

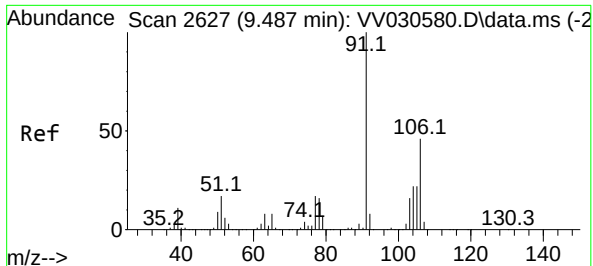
Tgt Ion: 91 Resp: 1072682
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#53
m,p-Xylene
Concen: 111.844 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 106 Resp: 405340
Ion Ratio Lower Upper
106 100
91 207.9 144.7 268.7

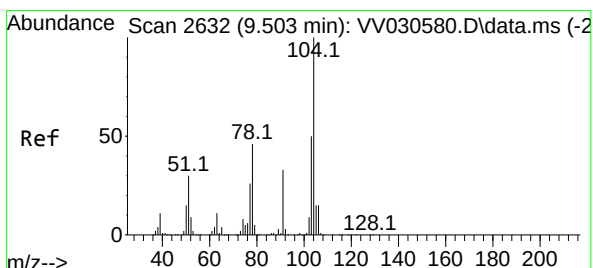
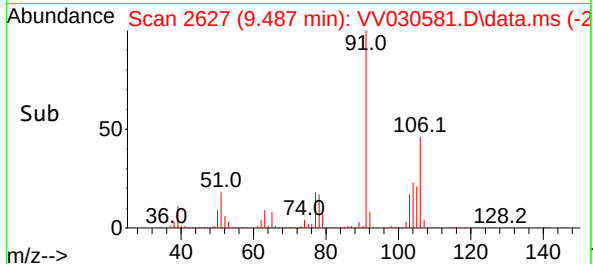
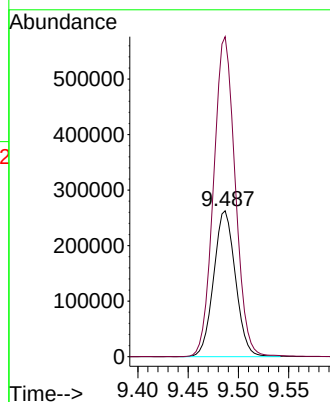
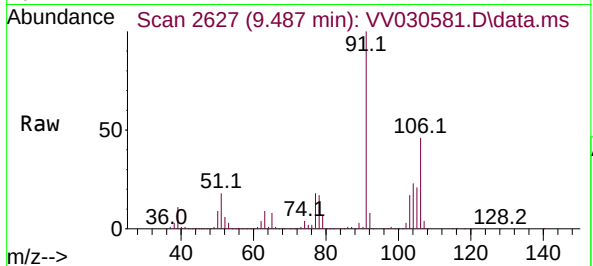




#54
o-Xylene
Concen: 111.582 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

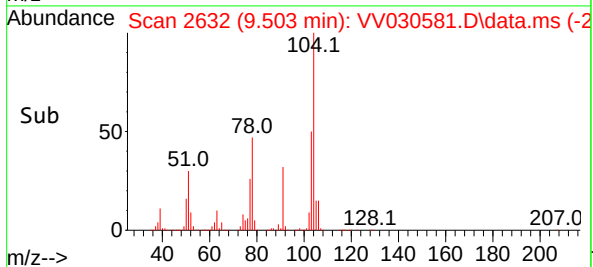
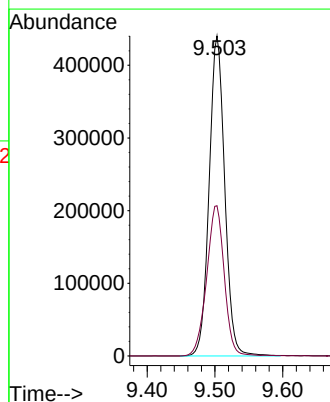
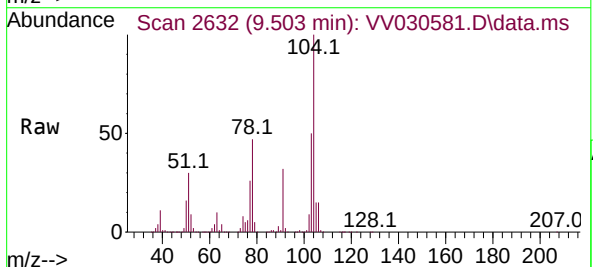
Instrument : MSVOA_V
ClientSampleId : VSTD100218

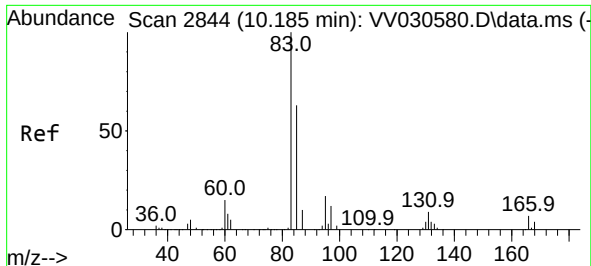
Tgt Ion:106 Resp: 395610
Ion Ratio Lower Upper
106 100
91 219.2 152.6 283.4



#55
Styrene
Concen: 113.057 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion:104 Resp: 704108
Ion Ratio Lower Upper
104 100
78 46.9 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 104.088 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

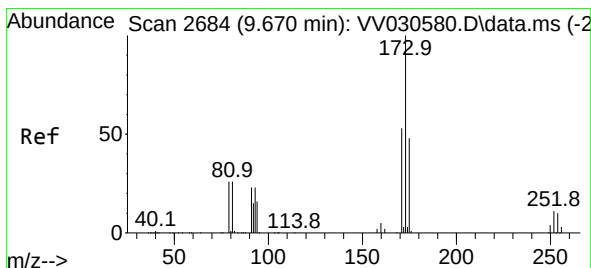
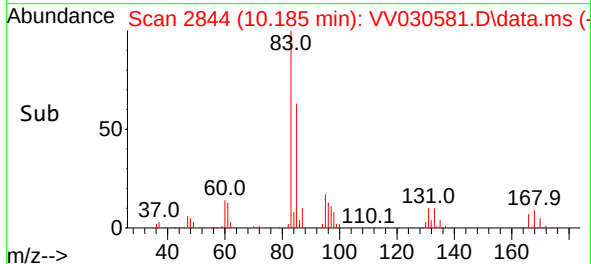
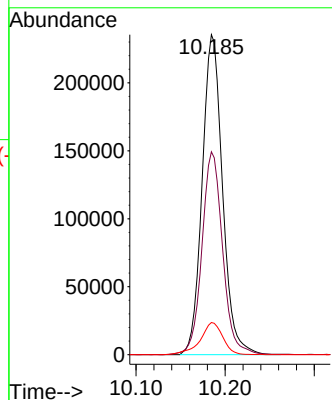
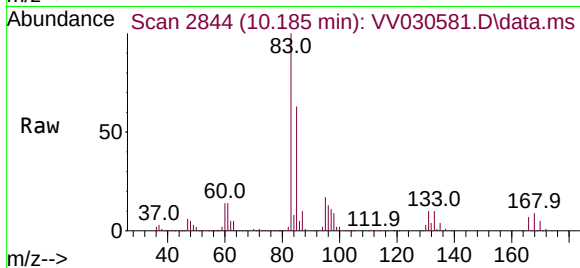
Tgt Ion: 83 Resp: 373210

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

131 10.0 8.0 12.0



#59

Bromoform

Concen: 98.809 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

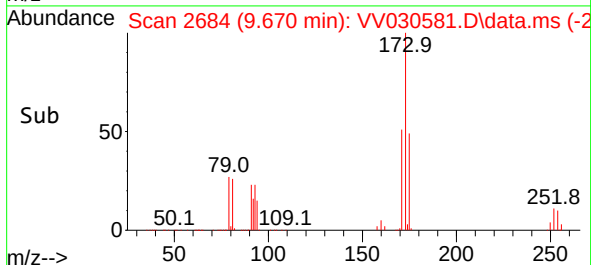
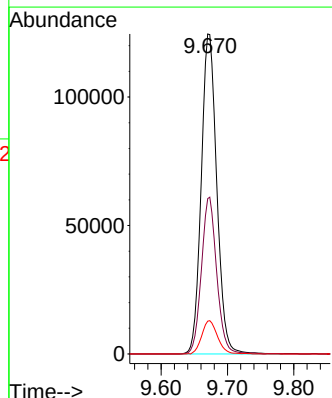
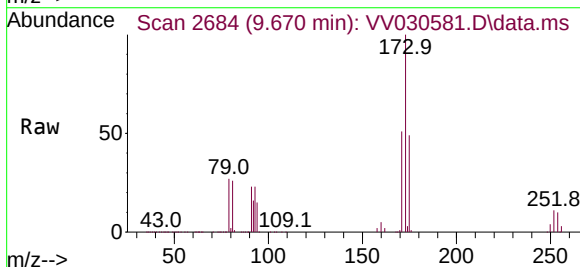
Tgt Ion: 173 Resp: 202569

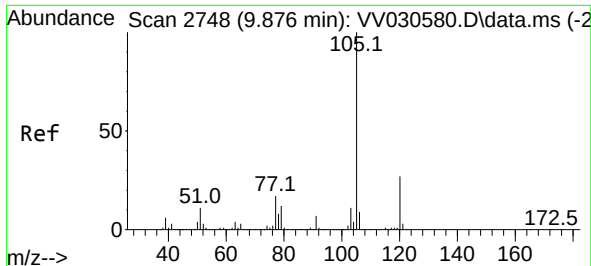
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 10.5 8.2 12.4

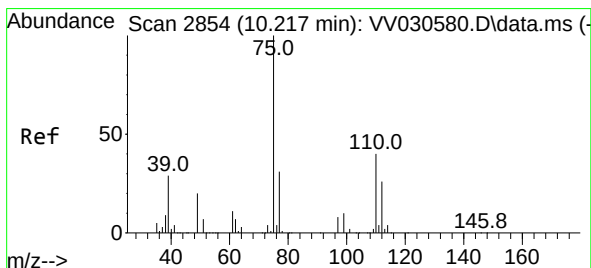
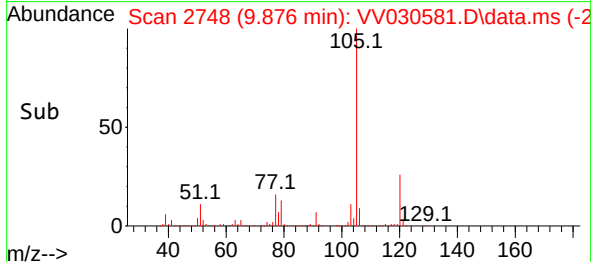
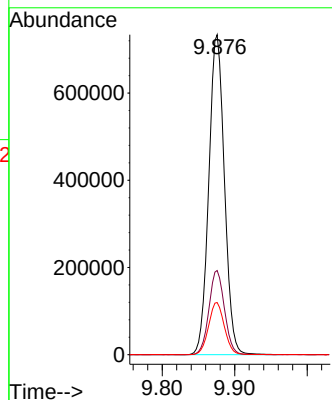
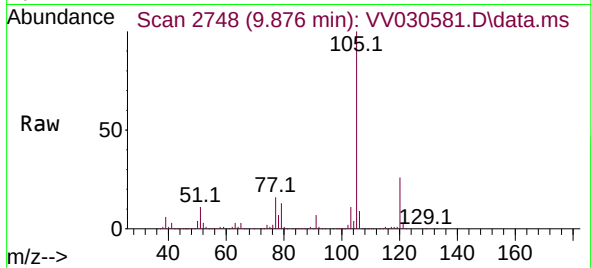




#60
Isopropylbenzene
Concen: 107.535 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

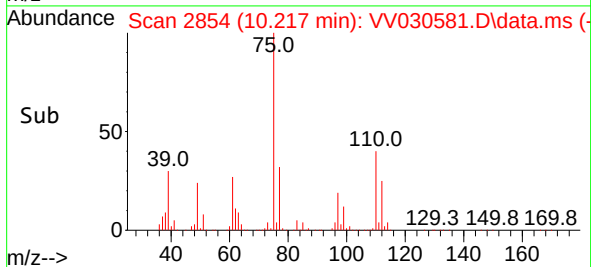
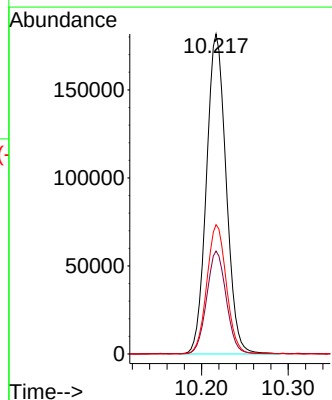
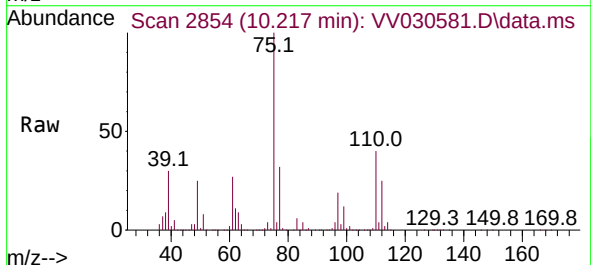
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

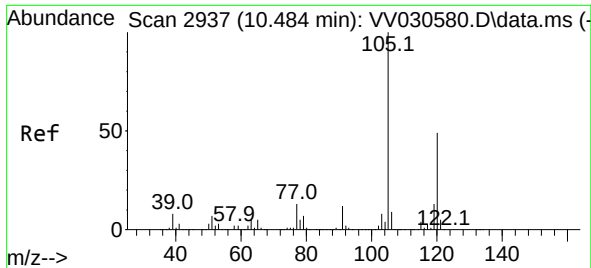
Tgt Ion:105 Resp: 1098158
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3
77 16.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 97.995 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion: 75 Resp: 287398
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
110 40.1 32.8 49.2

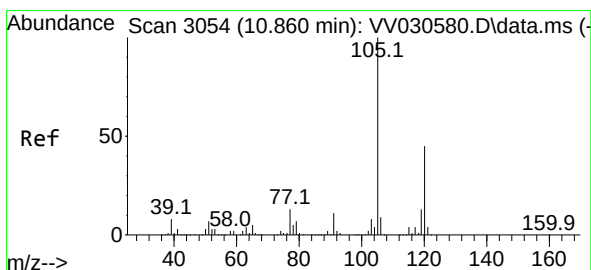
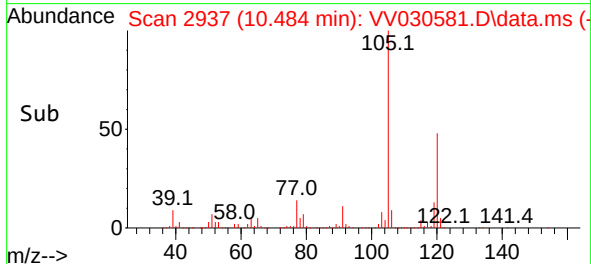
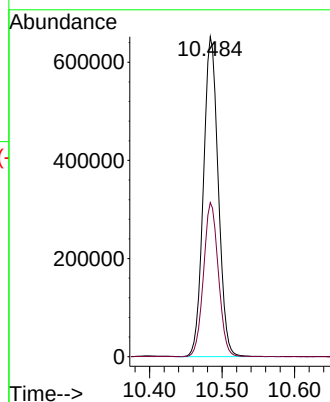
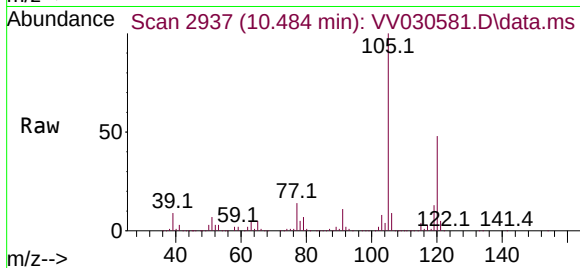




#62
 1,3,5-Trimethylbenzene
 Concen: 110.227 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

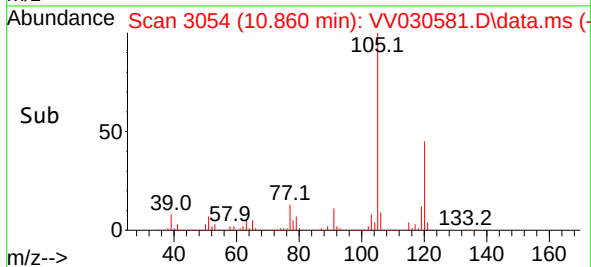
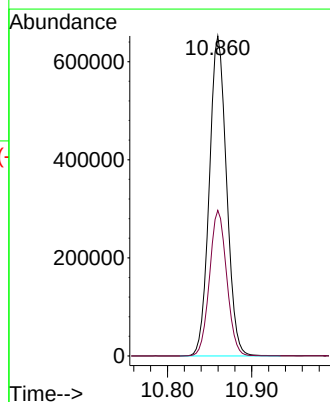
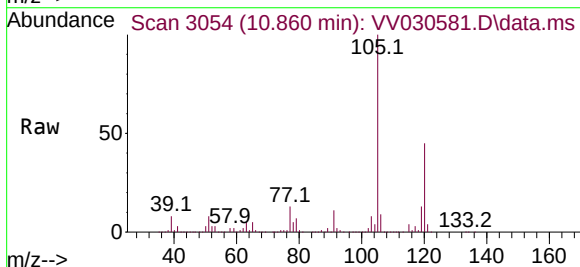
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100218

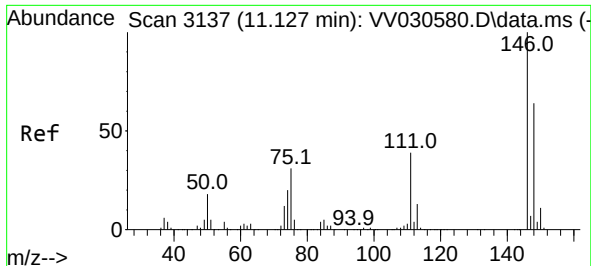
Tgt Ion:105 Resp: 926793
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 110.368 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030581.D
 Acq: 17 Apr 2023 11:39

Tgt Ion:105 Resp: 926548
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.2 54.4

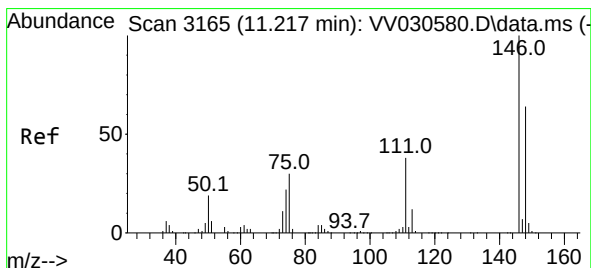
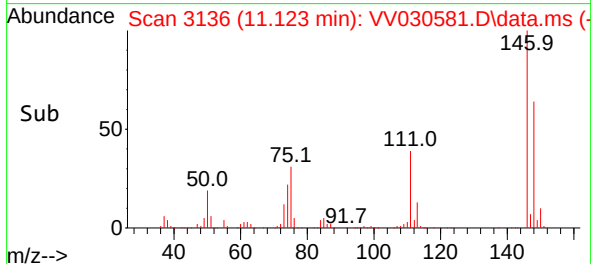
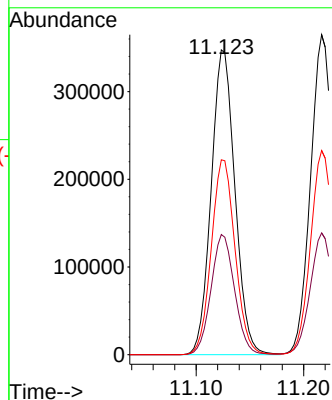
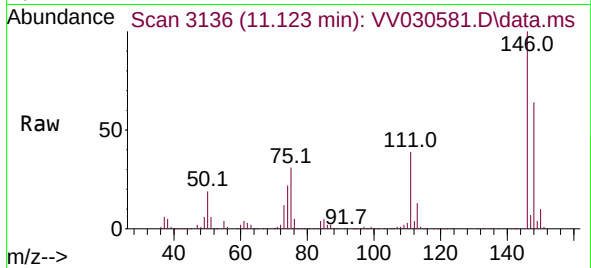




#64
1,3-Dichlorobenzene
Concen: 104.419 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.003 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

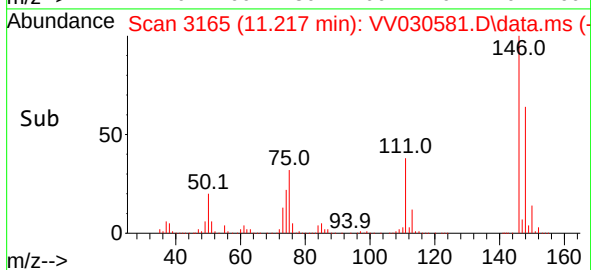
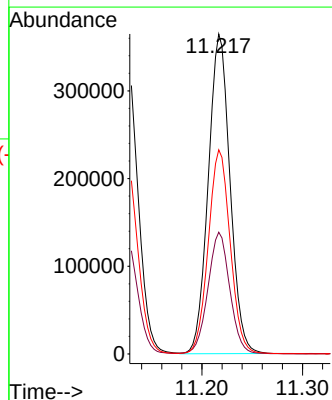
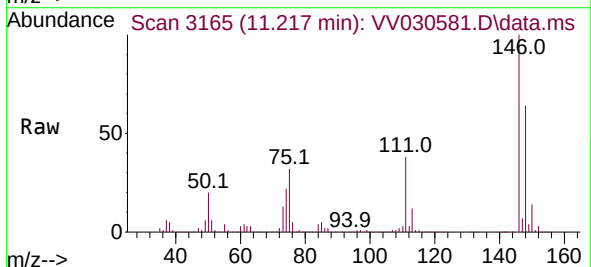
Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

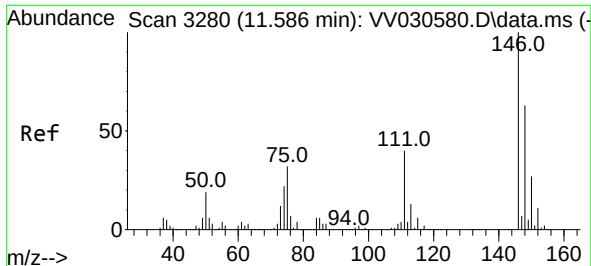
Tgt Ion:146 Resp: 533869
Ion Ratio Lower Upper
146 100
111 39.4 27.0 50.2
148 63.9 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 101.511 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion:146 Resp: 547284
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.1
148 63.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 103.573 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

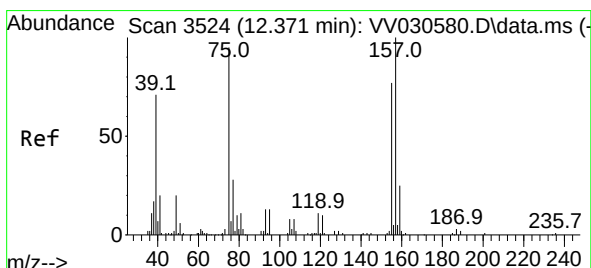
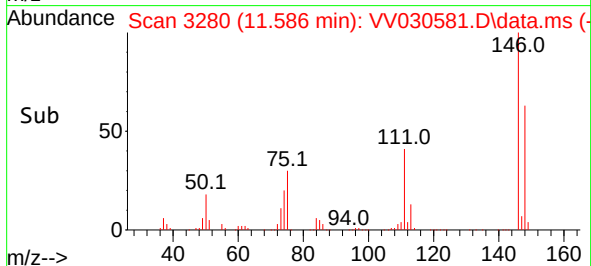
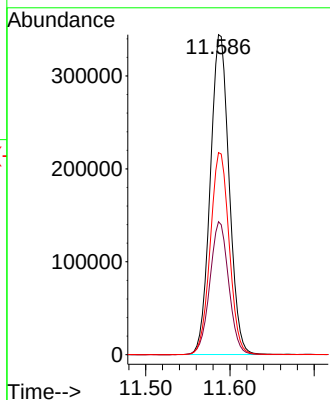
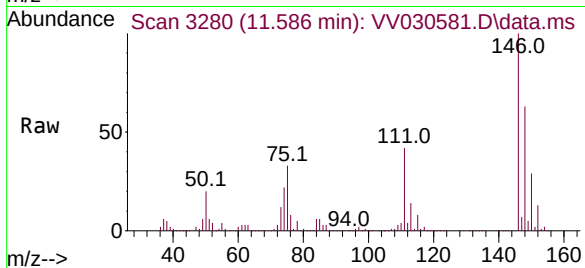
Tgt Ion:146 Resp: 534219

Ion Ratio Lower Upper

146 100

111 41.6 32.0 48.0

148 63.2 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 98.249 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

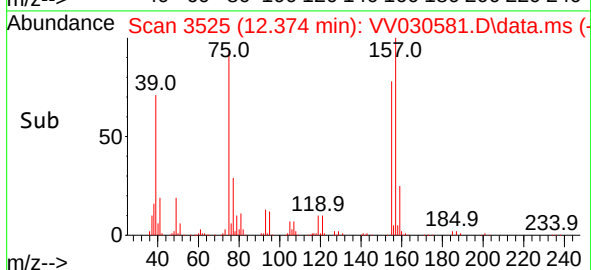
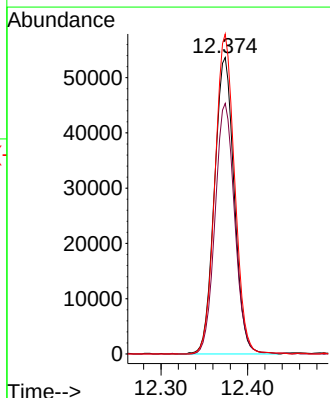
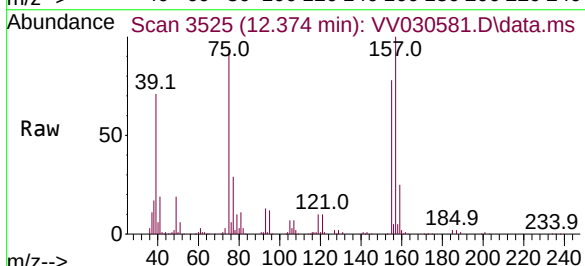
Tgt Ion: 75 Resp: 85243

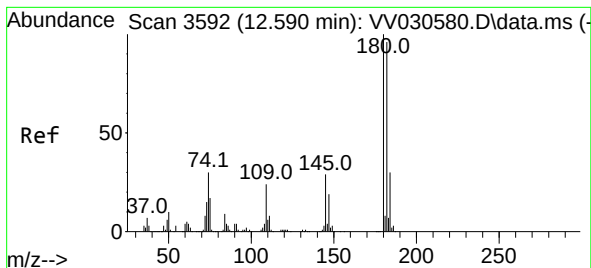
Ion Ratio Lower Upper

75 100

155 84.5 65.0 97.6

157 107.9 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 106.339 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD100218

Tgt Ion:180 Resp: 410702

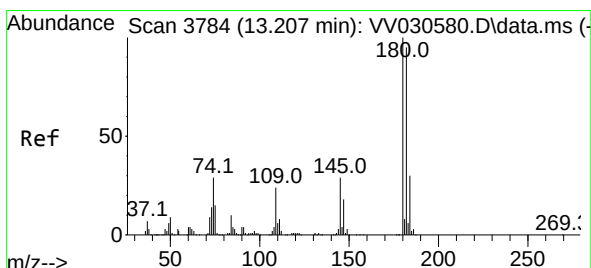
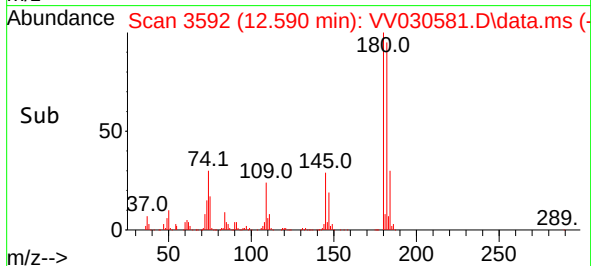
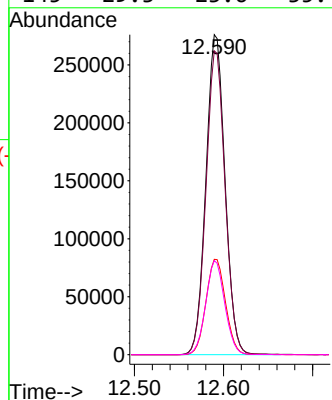
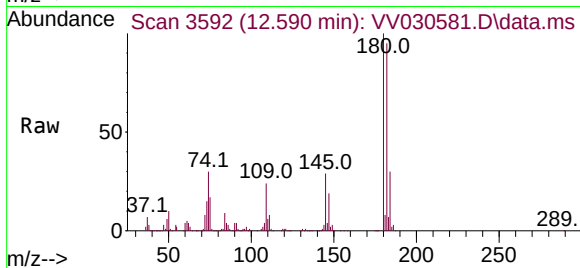
Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

184 30.5 24.1 36.1

145 29.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 110.358 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030581.D

Acq: 17 Apr 2023 11:39

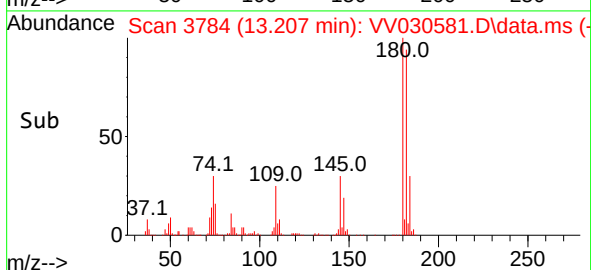
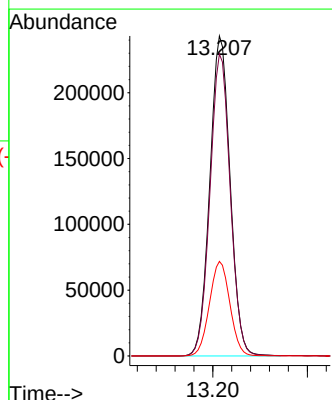
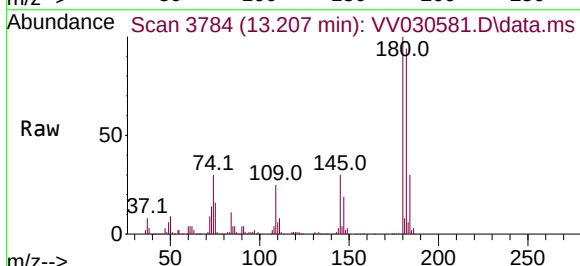
Tgt Ion:180 Resp: 361889

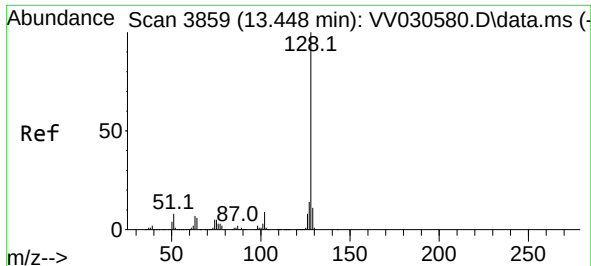
Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

145 29.8 23.4 35.2

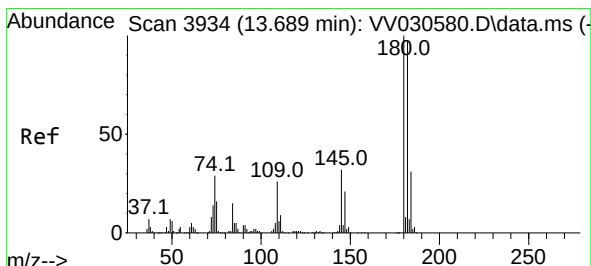
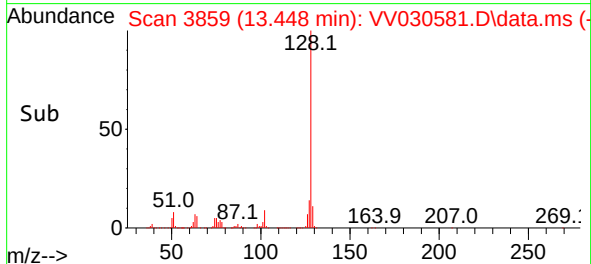
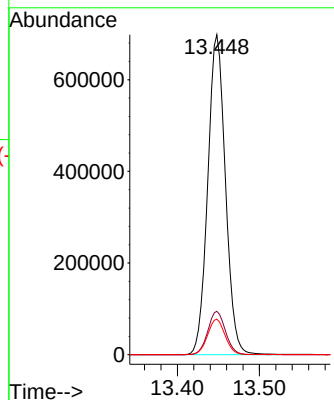
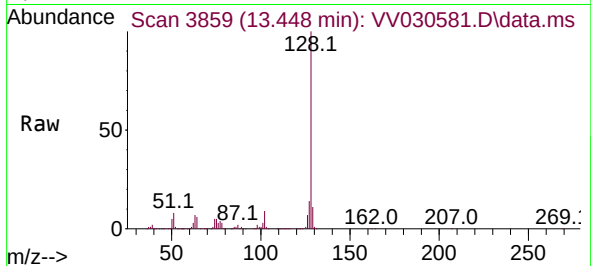




#71
Naphthalene
Concen: 116.480 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD100218

Tgt Ion:128 Resp: 1044872
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 110.969 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030581.D
Acq: 17 Apr 2023 11:39

Tgt Ion:180 Resp: 360837
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.4
145 31.4 25.1 37.7

