

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030584.D
 Acq On : 17 Apr 2023 13:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050287

Quant Time: Apr 18 02:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:32:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	275145	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	262255	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	148166	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	90279	44.758	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.520%
7) Chloroethane-d5	1.536	69	71185	42.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.220%
11) 1,1-Dichloroethene-d2	2.063	65	41942	43.848	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.700%
21) 2-Butanone-d5	3.802	46	128001	115.538	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.540%
24) Chloroform-d	4.256	84	173986	47.598	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.950	65	116579	49.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.220%
32) Benzene-d6	4.966	84	318510	51.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.740%
36) 1,2-Dichloropropane-d6	5.995	67	98762	51.278	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.560%
41) Toluene-d8	7.249	98	292827	50.300	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.600%
43) trans-1,3-Dichloroprop...	7.558	79	53007	54.604	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.200%
47) 2-Hexanone-d5	8.034	63	86542	114.061	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.060%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145018	51.889	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.780%
66) 1,2-Dichlorobenzene-d4	11.571	152	117211	49.770	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	101080	42.729	ug/L	99
3) Chloromethane	1.217	50	138337	44.580	ug/L	99
5) Vinyl chloride	1.288	62	108789	43.484	ug/L	98
6) Bromomethane	1.494	94	47478	47.859	ug/L	97
8) Chloroethane	1.555	64	73464	42.812	ug/L	99
9) Trichlorofluoromethane	1.716	101	173393	42.762	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	93191	43.732	ug/L	98
12) 1,1-Dichloroethene	2.076	96	85188	44.217	ug/L	92
13) Acetone	2.130	43	144395	84.229	ug/L	98
14) Carbon disulfide	2.246	76	248512	45.668	ug/L	98
15) Methyl Acetate	2.381	43	123856	54.139	ug/L	100
16) Methylene chloride	2.452	84	108711	49.308	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	92872	47.750	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	348886	56.003	ug/L	99
19) 1,1-Dichloroethane	3.117	63	188530	47.543	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	106009	50.105	ug/L	97
22) 2-Butanone	3.883	43	179269	101.191	ug/L	99
23) Bromochloromethane	4.156	128	58550	49.549	ug/L	96
25) Chloroform	4.285	83	195130	47.542	ug/L	99

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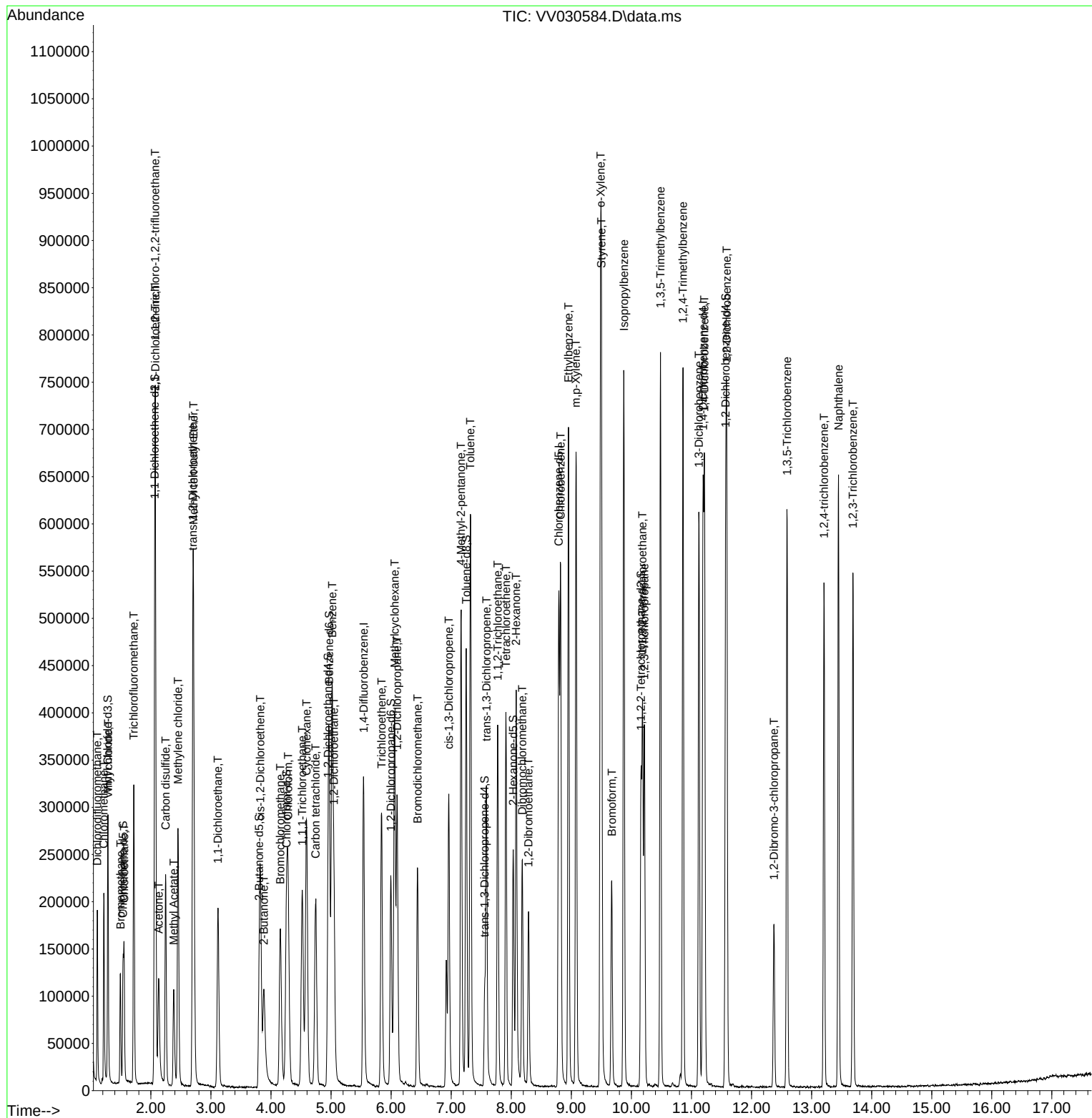
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	172872	49.757	ug/L	98
29) Cyclohexane	4.593	56	152652	48.504	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	169107	45.890	ug/L	99
31) Carbon tetrachloride	4.744	117	148346	45.025	ug/L	100
33) Benzene	5.018	78	403254	50.636	ug/L	100
34) Trichloroethene	5.841	95	99999	48.274	ug/L	97
35) Methylcyclohexane	6.059	83	156334	48.164	ug/L	99
37) 1,2-Dichloropropane	6.098	63	107725	50.256	ug/L	99
38) Bromodichloromethane	6.439	83	150949	50.131	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	174382	54.204	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	342297	114.318	ug/L	99
42) Toluene	7.320	91	423424	49.639	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	170618	53.981	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	110760	51.531	ug/L	99
46) Tetrachloroethene	7.912	164	84461	46.582	ug/L	99
48) 2-Hexanone	8.082	43	268352	108.618	ug/L	99
49) Dibromochloromethane	8.185	129	118182	49.848	ug/L	98
50) 1,2-Dibromoethane	8.288	107	116883	52.482	ug/L	97
51) Chlorobenzene	8.821	112	273217	48.363	ug/L	98
52) Ethylbenzene	8.953	91	466168	49.365	ug/L	99
53) m,p-Xylene	9.079	106	177387	49.730	ug/L	99
54) o-Xylene	9.487	106	173321	49.669	ug/L	100
55) Styrene	9.503	104	313067	51.074	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	181029	51.298	ug/L	97
59) Bromoform	9.673	173	96562	52.054	ug/L	100
60) Isopropylbenzene	9.876	105	461468	49.940	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	138335	52.128	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	386871	50.850	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	388817	51.185	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	232590	50.276	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	238205	48.829	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	233538	50.039	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	40269	51.218	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	177985	50.930	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	152877	51.522	ug/L	99
71) Naphthalene	13.448	128	467753	57.627	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	155649	52.900	ug/L	99

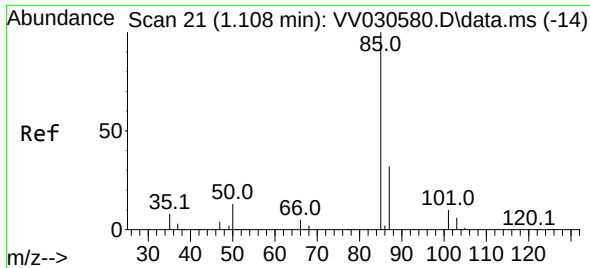
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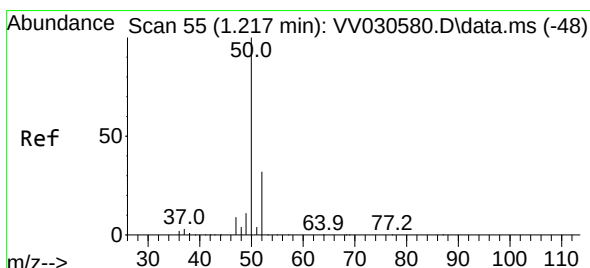
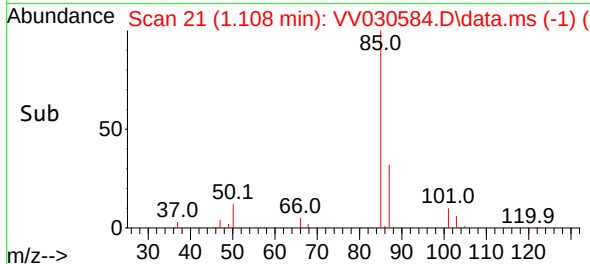
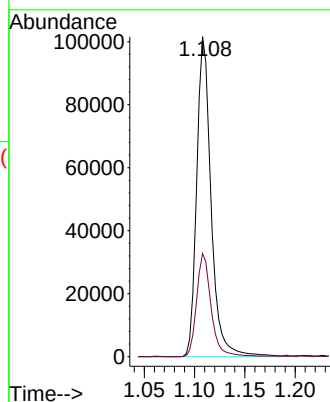
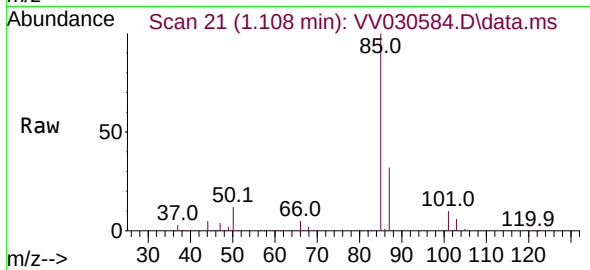




#2
 Dichlorodifluoromethane
 Concen: 42.729 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

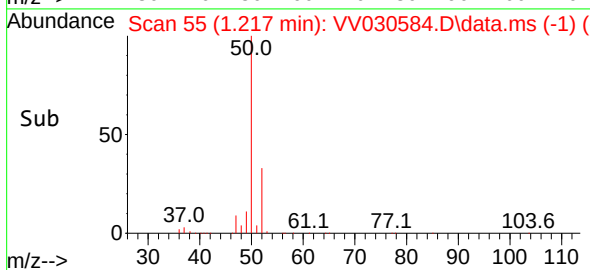
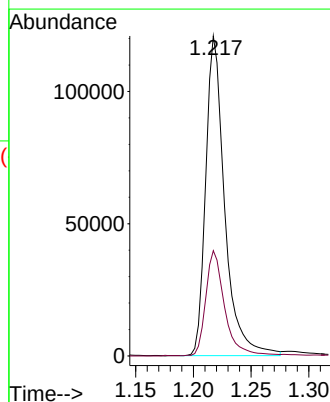
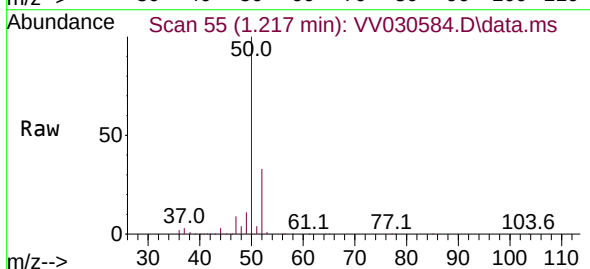
Instrument :
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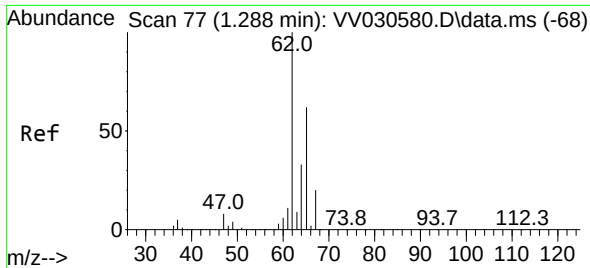
Tgt Ion: 85 Resp: 101080
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.6 38.4



#3
 Chloromethane
 Concen: 44.580 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

Tgt Ion: 50 Resp: 138337
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.5 41.9

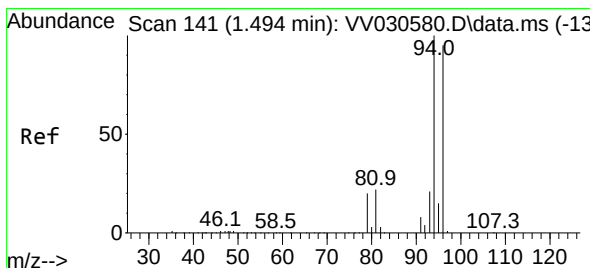
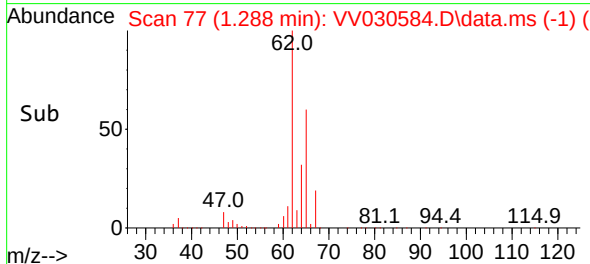
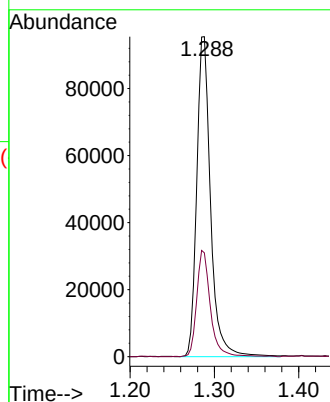
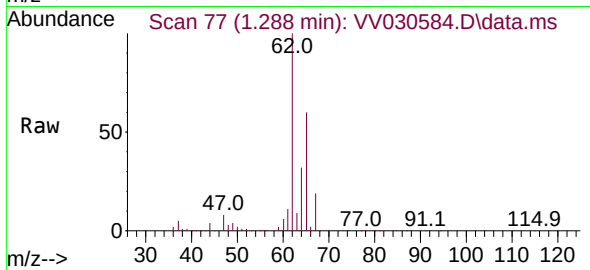




#5
 Vinyl chloride
 Concen: 43.484 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

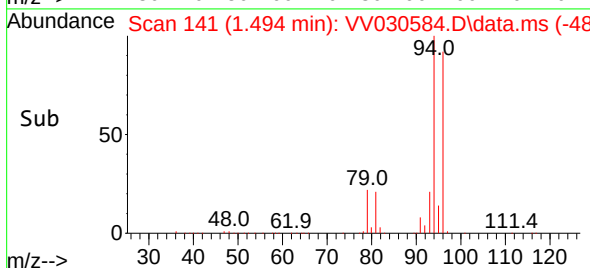
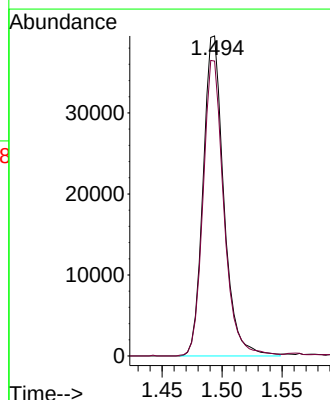
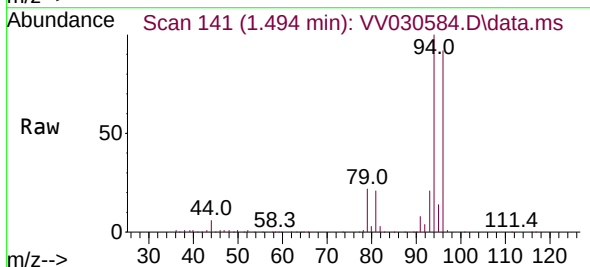
Instrument :
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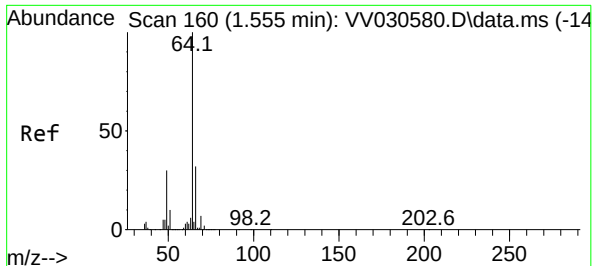
Tgt Ion: 62 Resp: 108789
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.4 43.4



#6
 Bromomethane
 Concen: 47.859 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

Tgt Ion: 94 Resp: 47478
 Ion Ratio Lower Upper
 94 100
 96 92.2 66.3 123.1

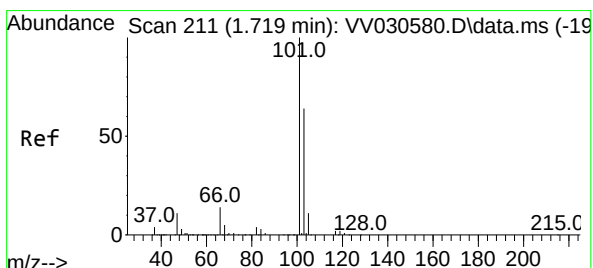
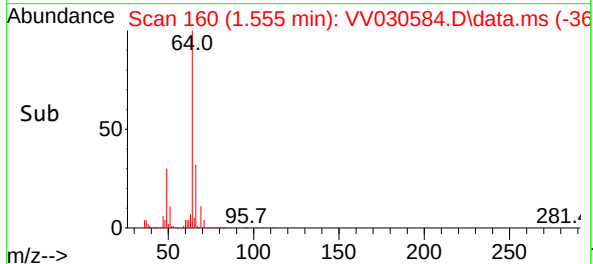
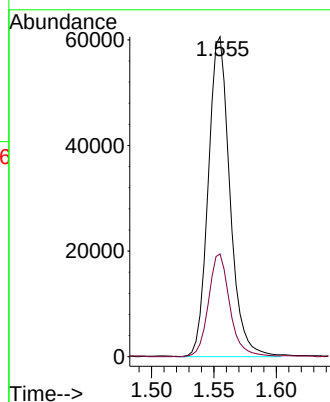
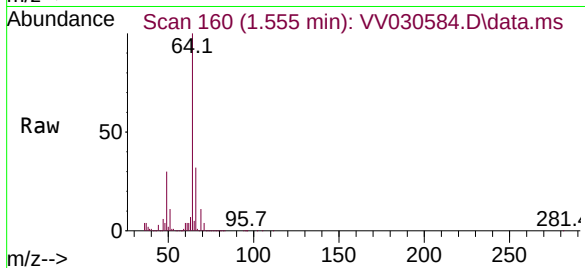




#8
Chloroethane
Concen: 42.812 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

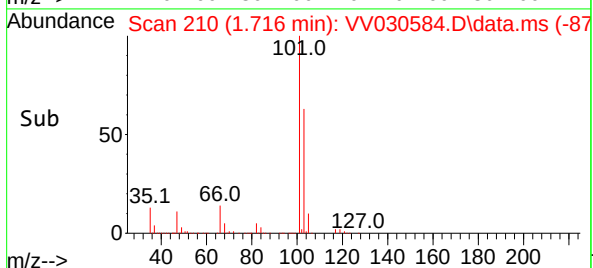
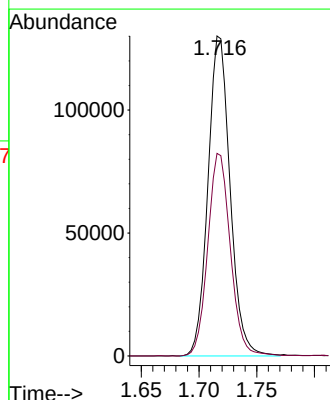
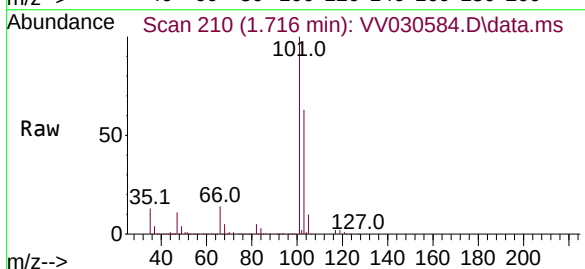
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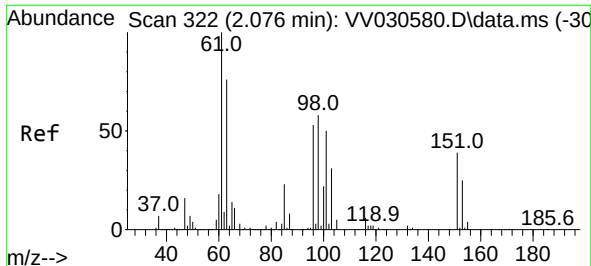
Tgt Ion: 64 Resp: 73464
Ion Ratio Lower Upper
64 100
66 32.1 22.7 42.3



#9
Trichlorofluoromethane
Concen: 42.762 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion:101 Resp: 173393
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0

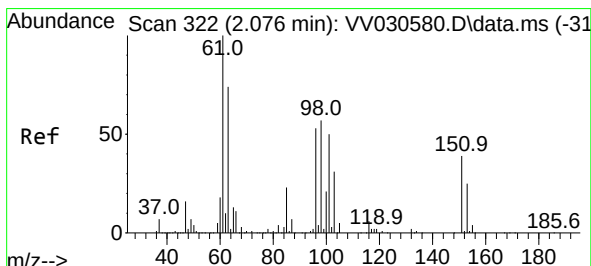
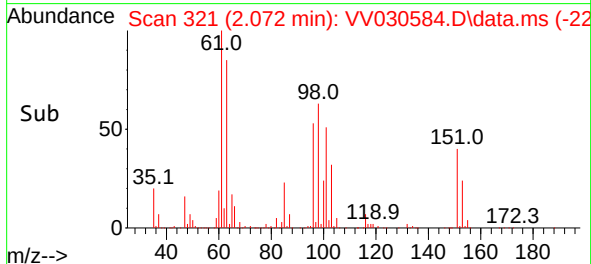
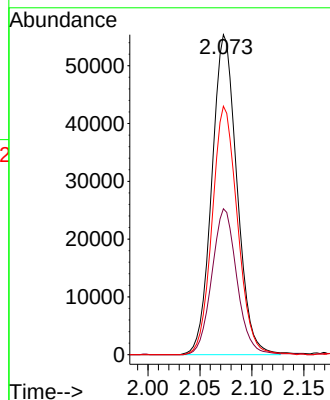
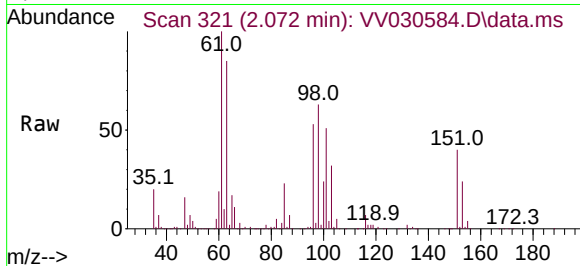




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.732 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV030584.D
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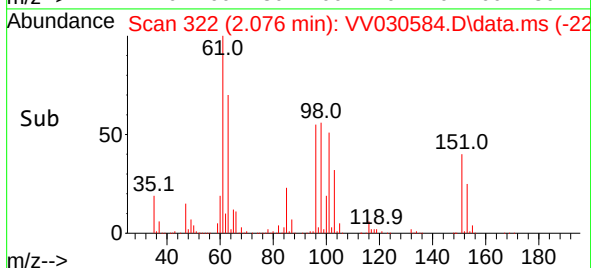
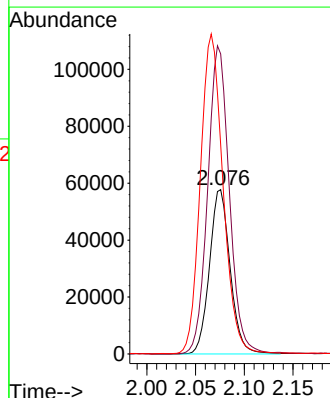
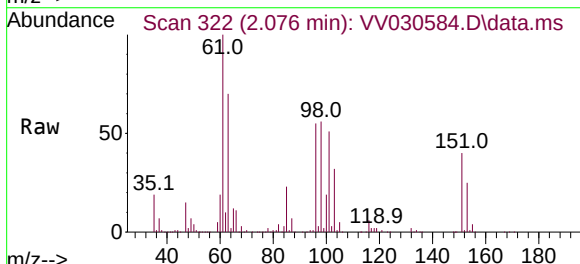
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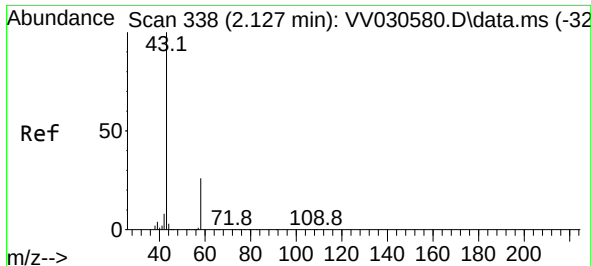
Tgt Ion:101 Resp: 93191
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.5 56.3
 151 78.2 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 44.217 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

Tgt Ion: 96 Resp: 85188
 Ion Ratio Lower Upper
 96 100
 61 182.5 131.9 245.0
 63 127.3 99.8 185.3





#13

Acetone

Concen: 84.229 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

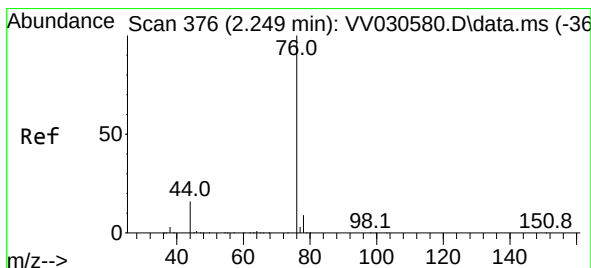
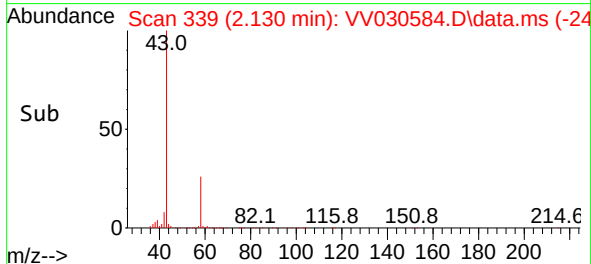
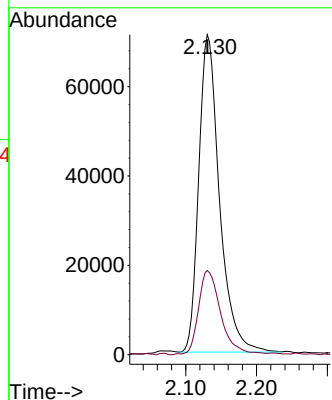
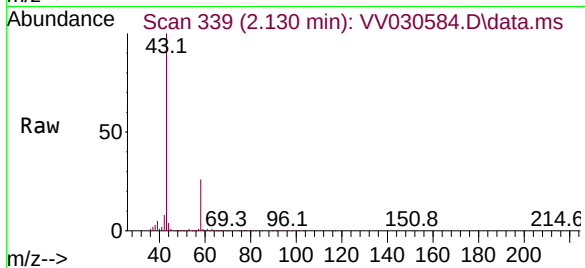
VSTD050287

Tgt Ion: 43 Resp: 144395

Ion Ratio Lower Upper

43 100

58 27.3 0.0 52.8



#14

Carbon disulfide

Concen: 45.668 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

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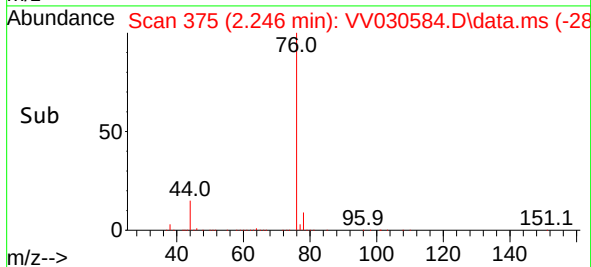
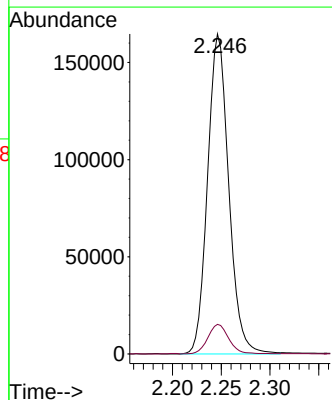
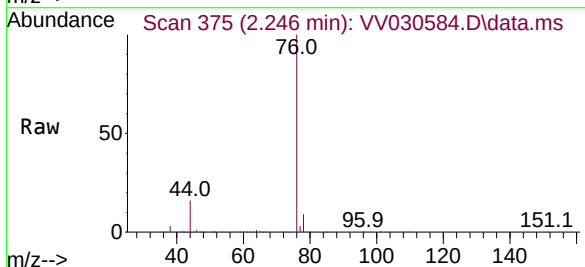
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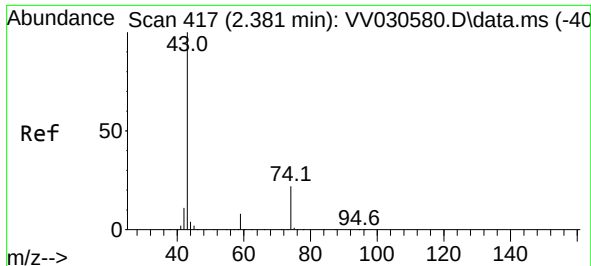
Tgt Ion: 76 Resp: 248512

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

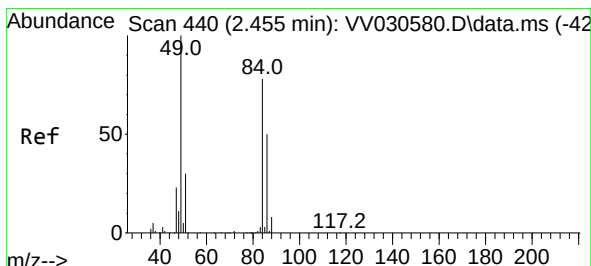
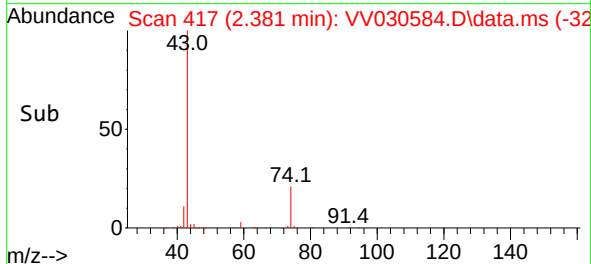
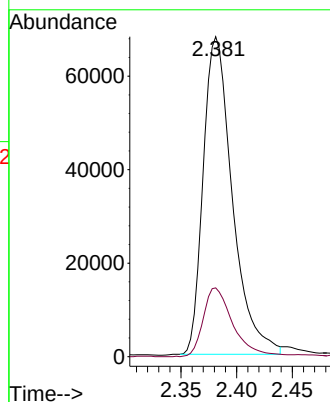
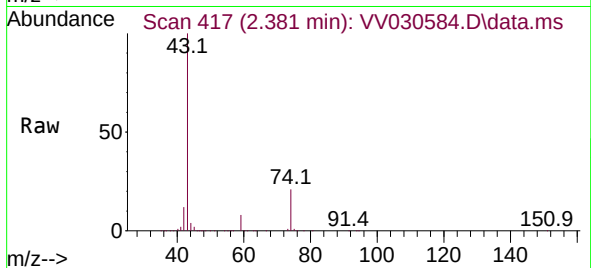




#15
Methyl Acetate
Concen: 54.139 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

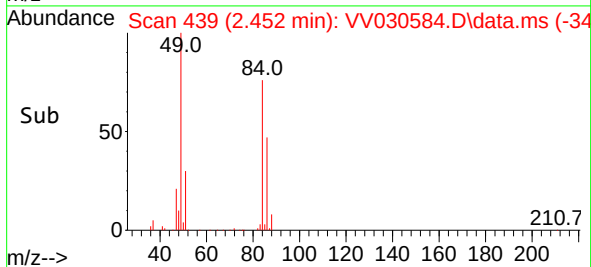
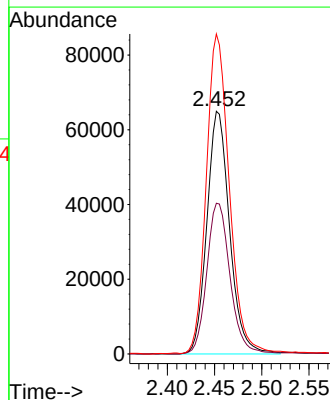
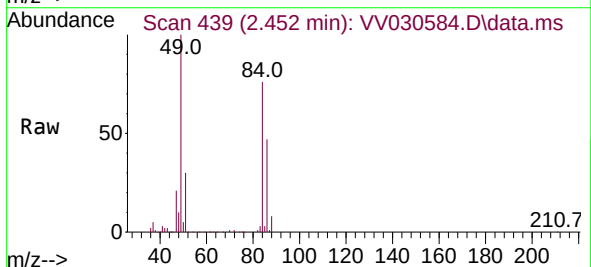
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

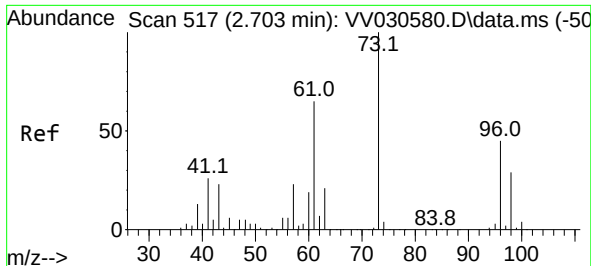
Tgt Ion: 43 Resp: 123856
Ion Ratio Lower Upper
43 100
74 22.2 17.7 26.5



#16
Methylene chloride
Concen: 49.308 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 84 Resp: 108711
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.2
49 131.9 90.4 168.0

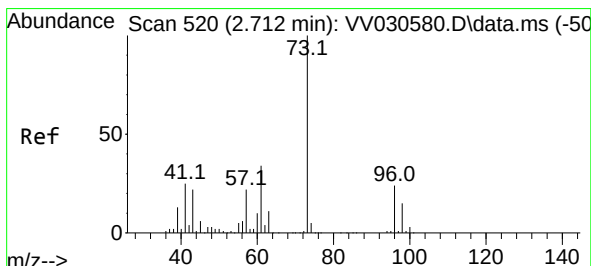
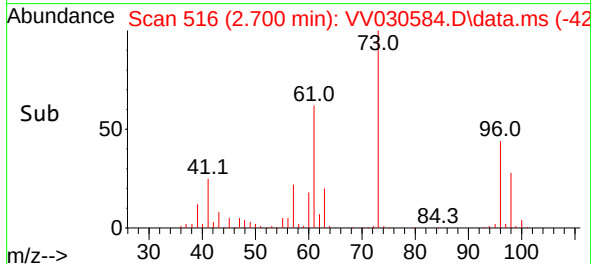
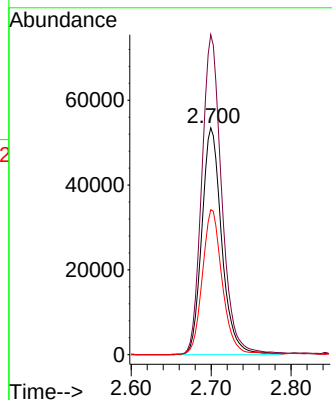
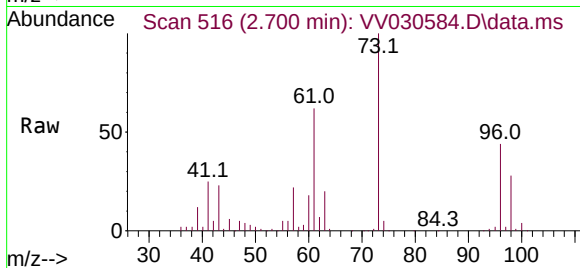




#17
trans-1,2-Dichloroethene
Concen: 47.750 ug/L
RT: 2.700 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

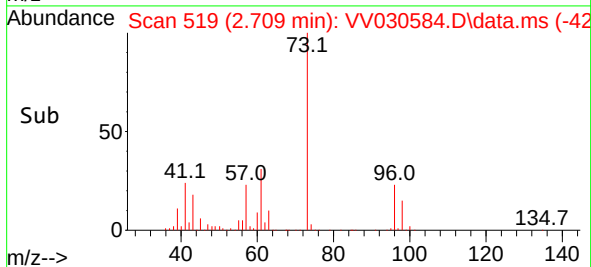
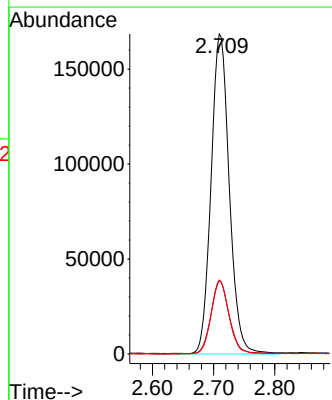
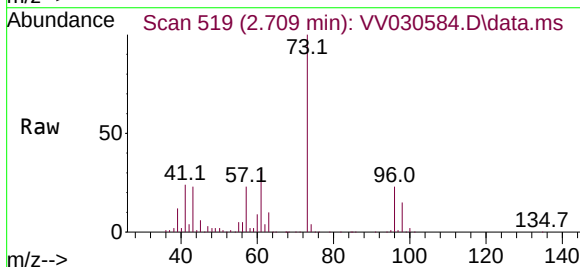
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

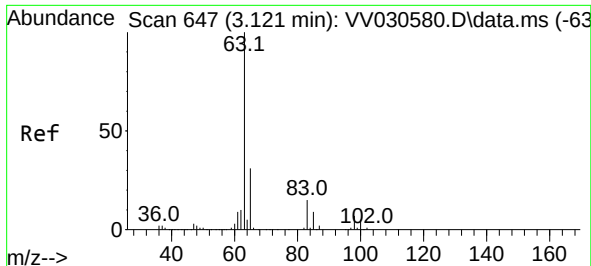
Tgt Ion: 96 Resp: 92872
Ion Ratio Lower Upper
96 100
61 141.1 101.0 187.6
98 63.9 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 56.003 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 73 Resp: 348886
Ion Ratio Lower Upper
73 100
43 22.5 17.6 26.4
57 22.1 18.2 27.2





#19

1,1-Dichloroethane

Concen: 47.543 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050287

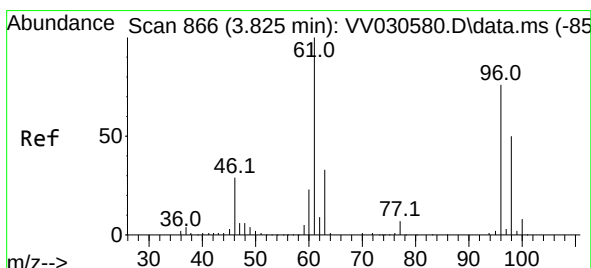
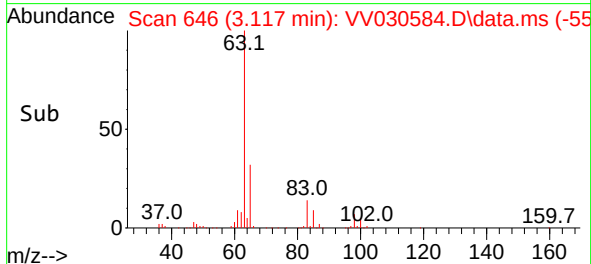
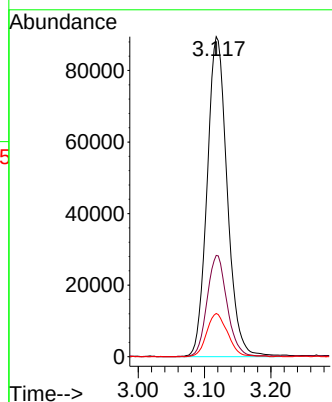
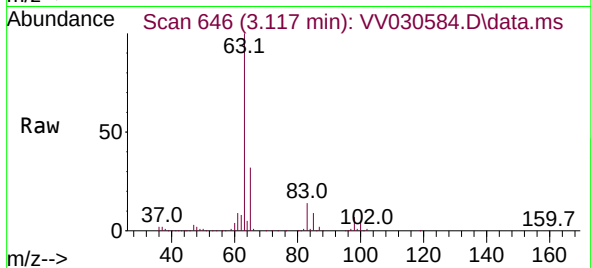
Tgt Ion: 63 Resp: 188530

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.5 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 50.105 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

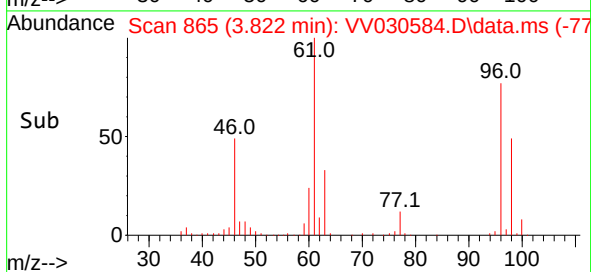
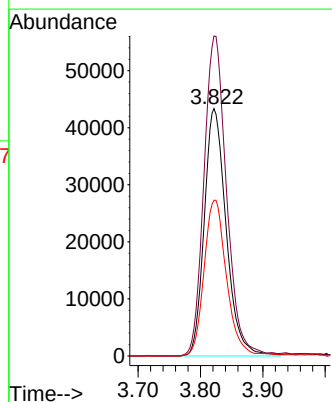
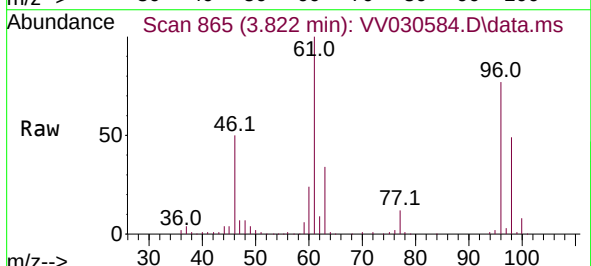
Tgt Ion: 96 Resp: 106009

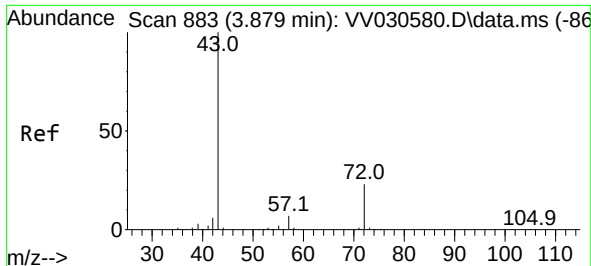
Ion Ratio Lower Upper

96 100

61 129.4 92.3 171.3

98 62.9 45.9 85.3

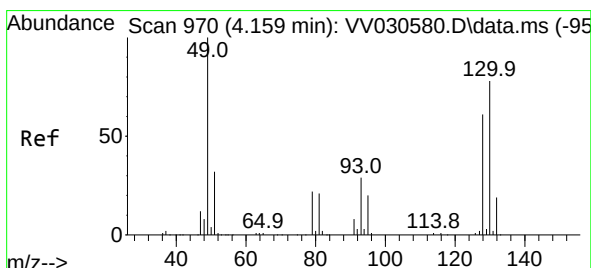
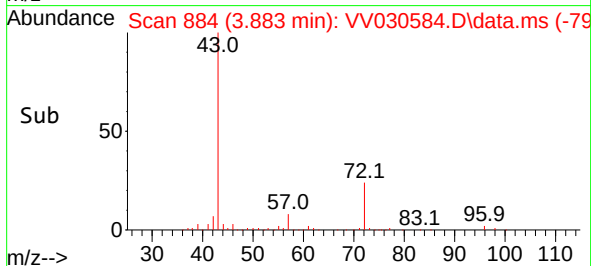
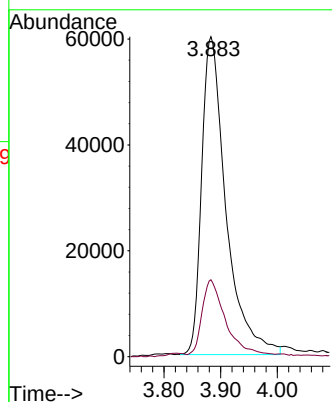
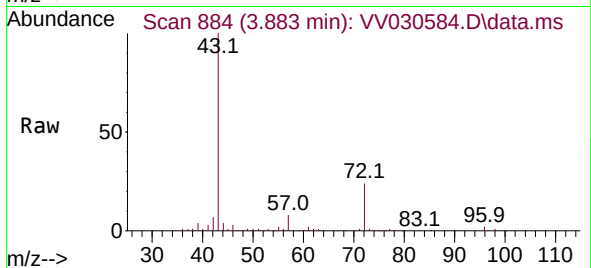




#22
2-Butanone
Concen: 101.191 ug/L
RT: 3.883 min Scan# 883
Delta R.T. 0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

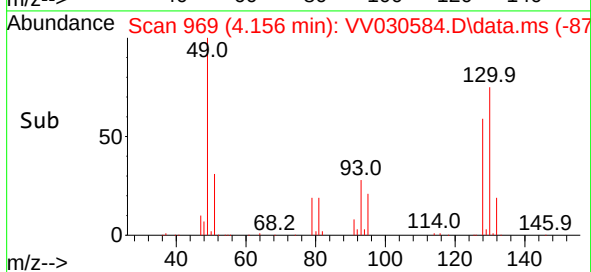
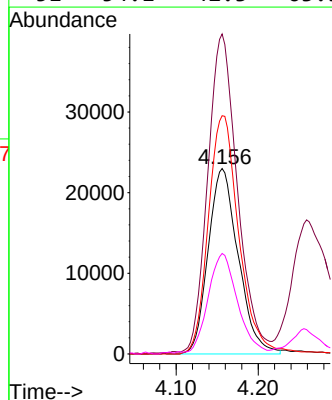
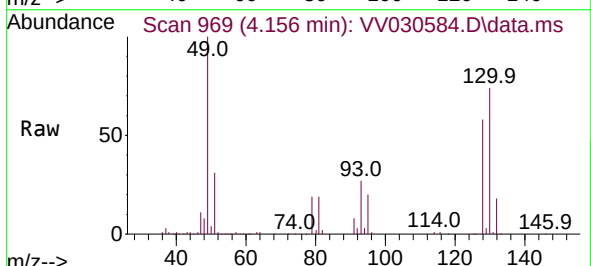
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

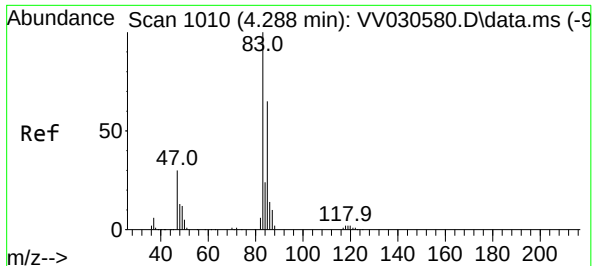
Tgt Ion: 43 Resp: 179269
Ion Ratio Lower Upper
43 100
72 22.6 11.5 34.4



#23
Bromochloromethane
Concen: 49.549 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion:128 Resp: 58550
Ion Ratio Lower Upper
128 100
49 172.5 114.7 213.1
130 128.4 89.0 165.2
51 54.1 42.3 63.5

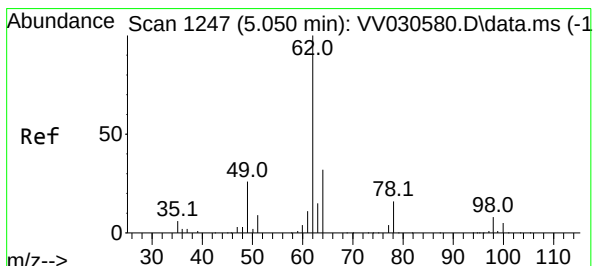
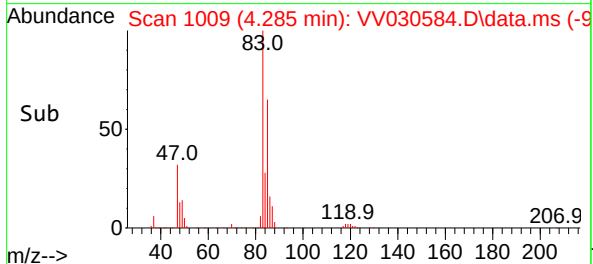
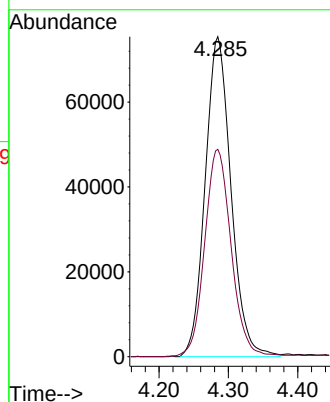
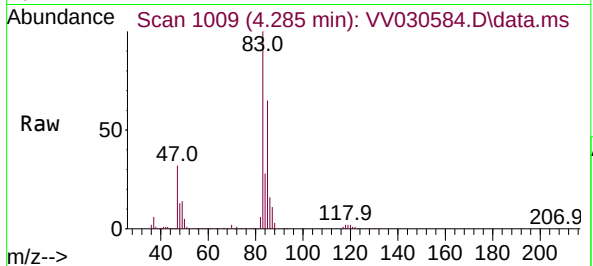




#25
Chloroform
Concen: 47.542 ug/L
RT: 4.285 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

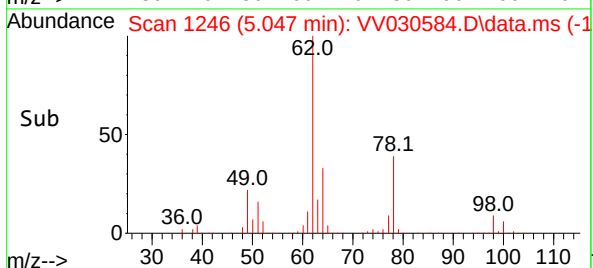
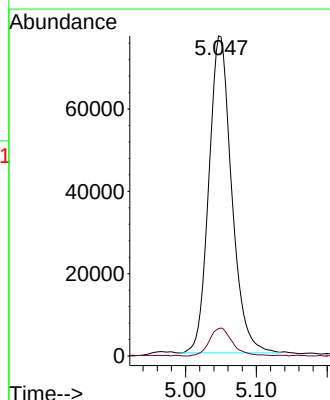
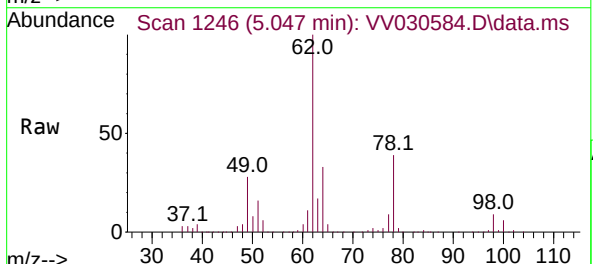
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

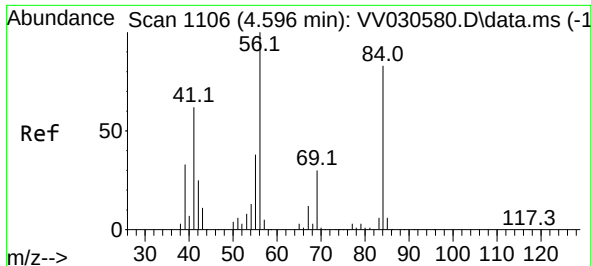
Tgt Ion: 83 Resp: 195130
Ion Ratio Lower Upper
83 100
85 64.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 49.757 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 62 Resp: 172872
Ion Ratio Lower Upper
62 100
98 8.6 6.4 9.6

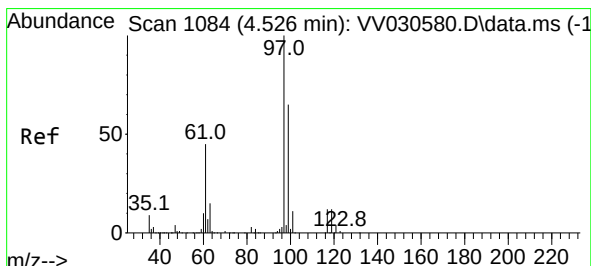
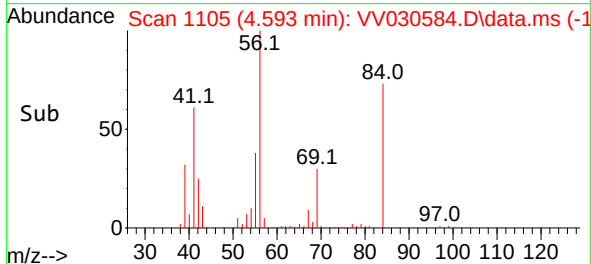
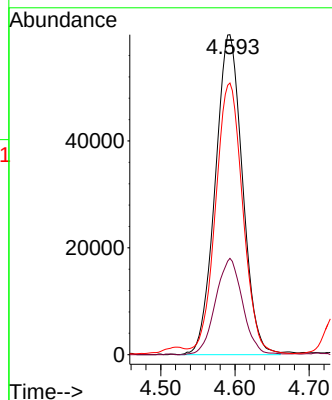
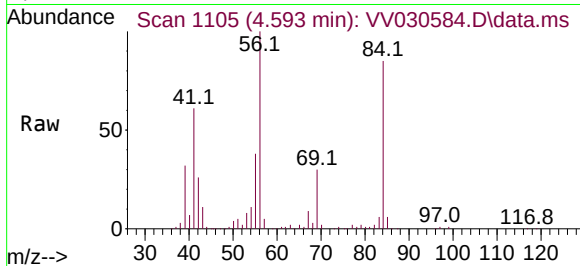




#29
Cyclohexane
Concen: 48.504 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

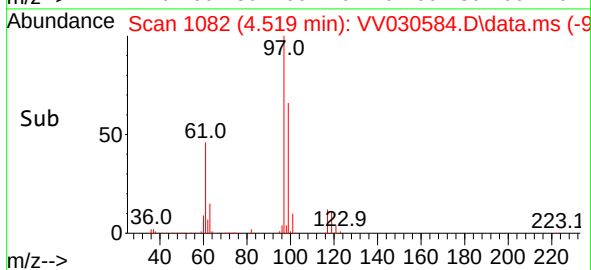
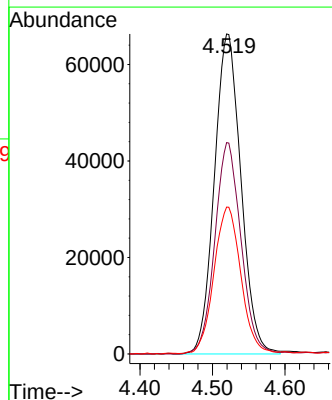
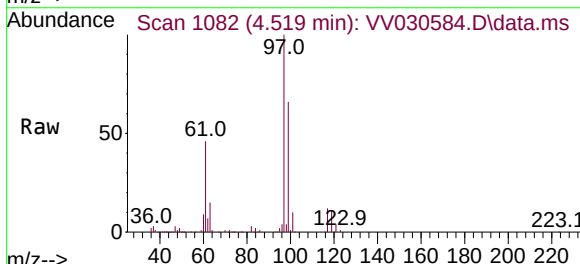
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

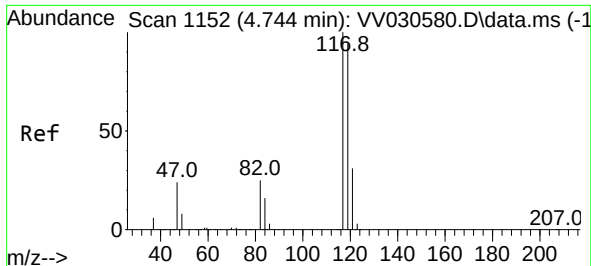
Tgt Ion: 56 Resp: 152652
Ion Ratio Lower Upper
56 100
69 29.8 24.0 36.0
84 84.5 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 45.890 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 97 Resp: 169107
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 45.1 37.0 55.6

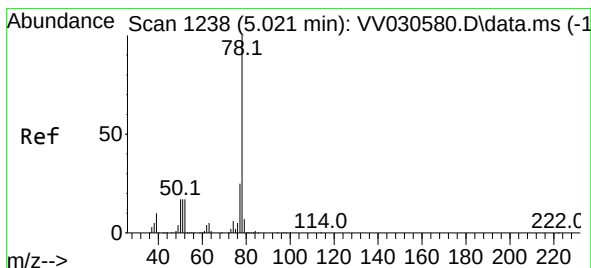
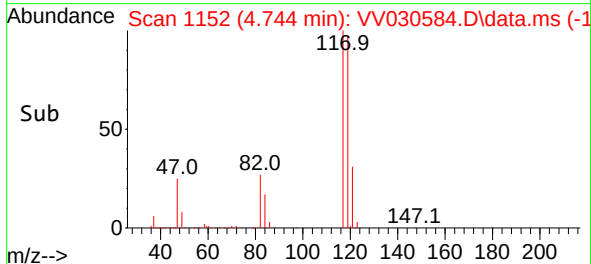
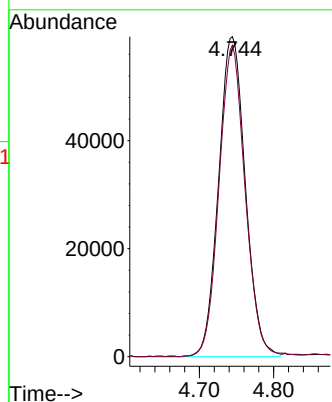
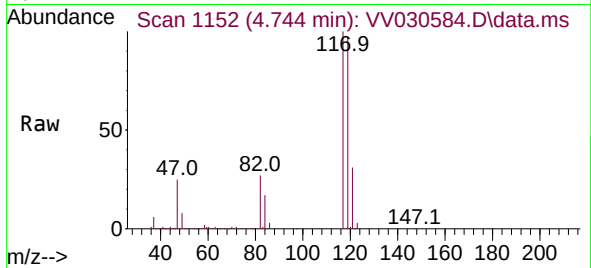




#31
Carbon tetrachloride
Concen: 45.025 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

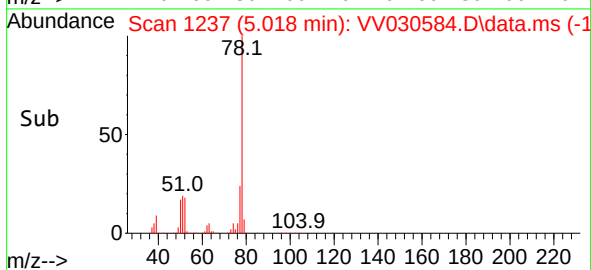
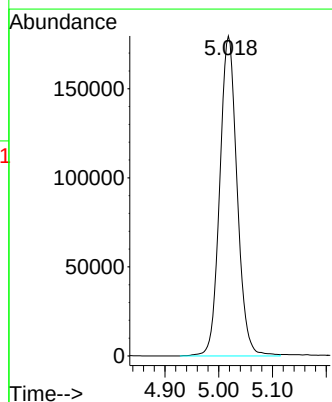
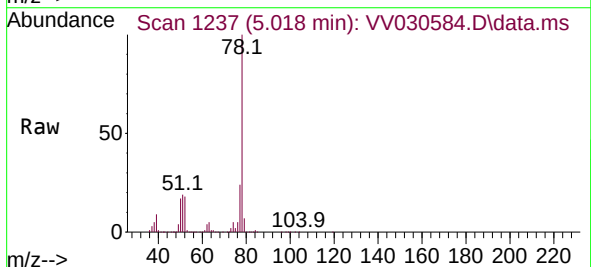
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

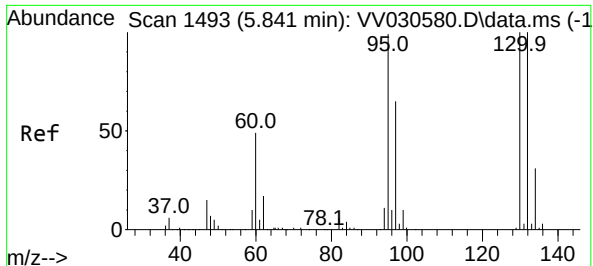
Tgt Ion:117 Resp: 148346
Ion Ratio Lower Upper
117 100
119 94.7 75.9 113.9



#33
Benzene
Concen: 50.636 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 78 Resp: 403254





#34

Trichloroethene

Concen: 48.274 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050287

Tgt Ion: 95 Resp: 99999

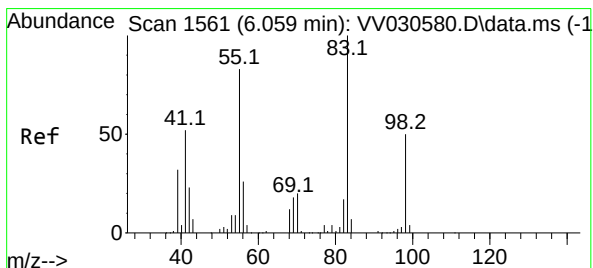
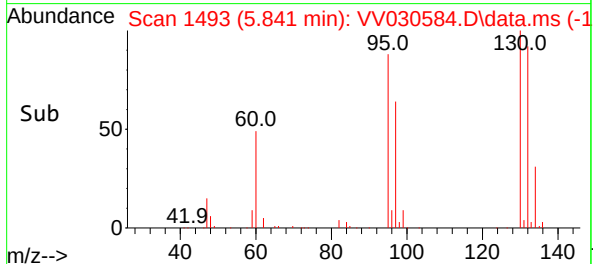
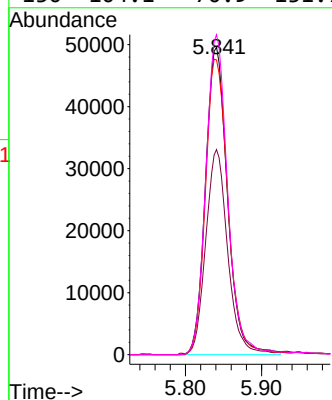
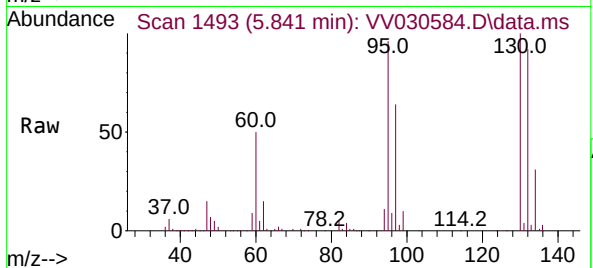
Ion Ratio Lower Upper

95 100

97 66.7 45.8 85.2

132 95.9 70.6 131.2

130 104.1 70.9 131.7



#35

Methylcyclohexane

Concen: 48.164 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

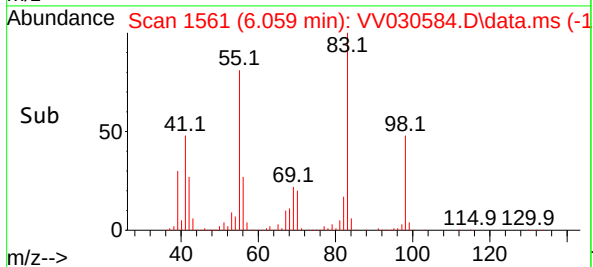
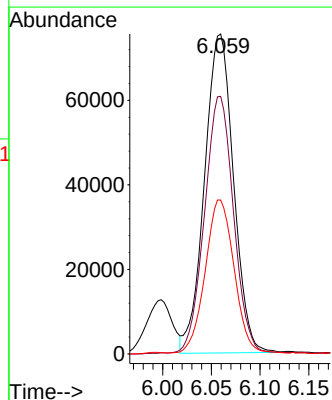
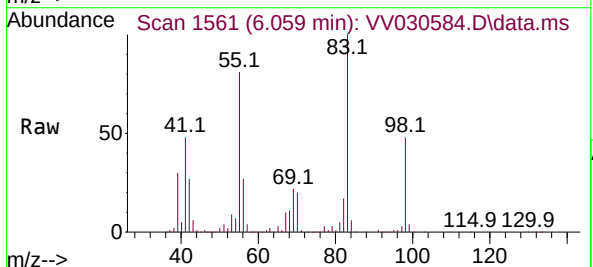
Tgt Ion: 83 Resp: 156334

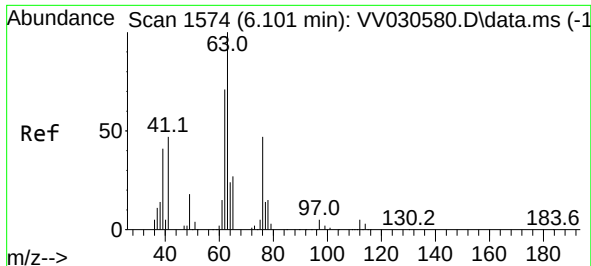
Ion Ratio Lower Upper

83 100

55 80.6 65.5 98.3

98 48.5 38.7 58.1





#37

1,2-Dichloropropane

Concen: 50.256 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

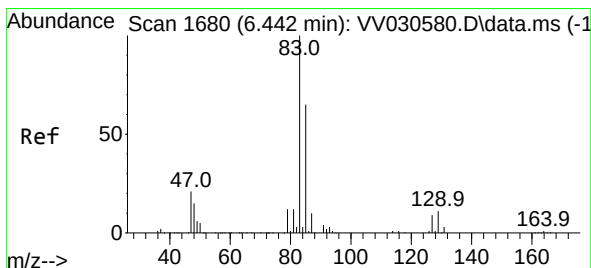
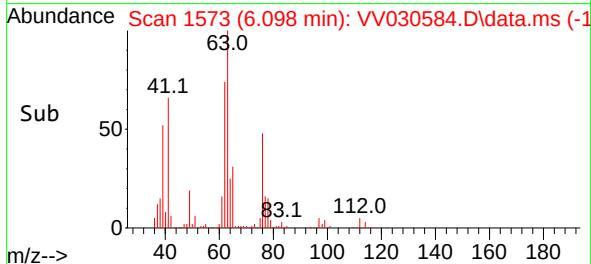
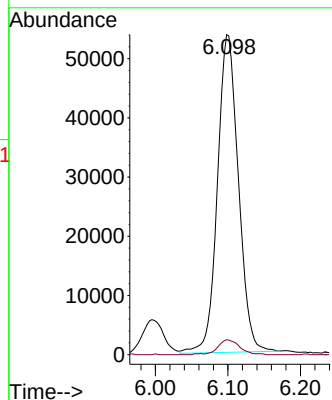
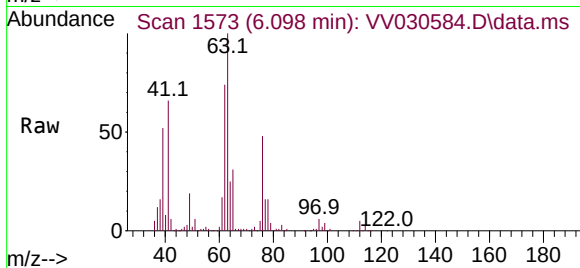
VSTD050287

Tgt Ion: 63 Resp: 107725

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#38

Bromodichloromethane

Concen: 50.131 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

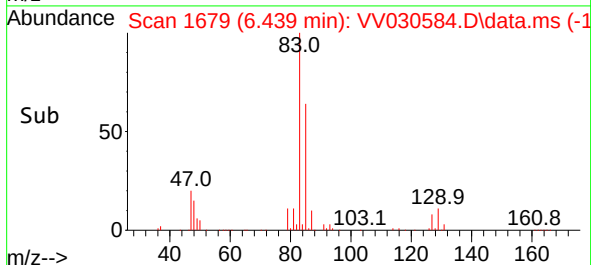
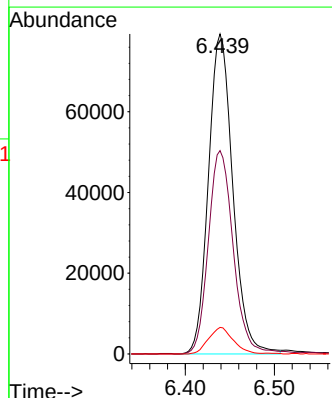
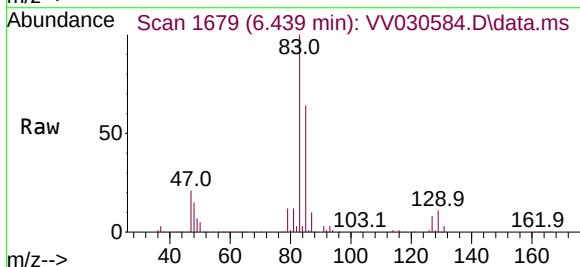
Tgt Ion: 83 Resp: 150949

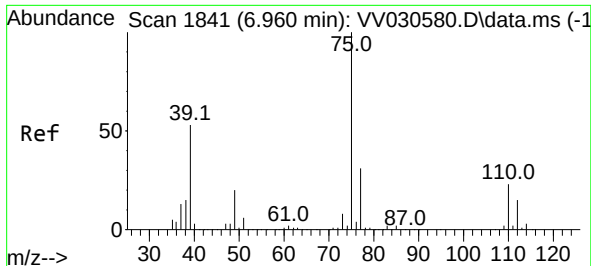
Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4

127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.204 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

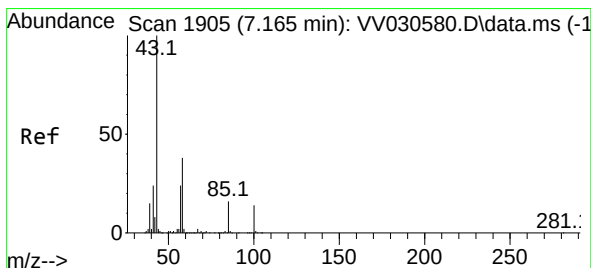
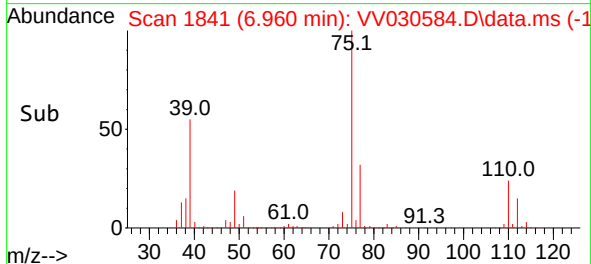
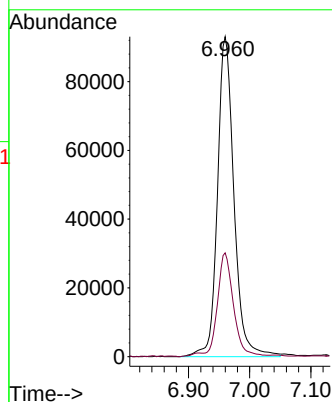
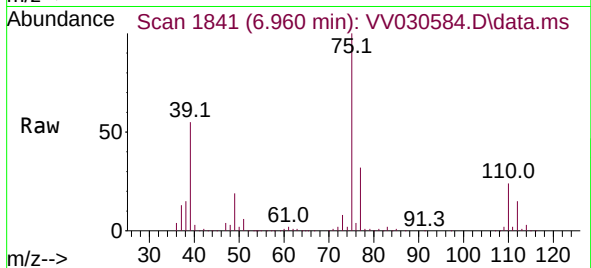
VSTD050287

Tgt Ion: 75 Resp: 174382

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 114.318 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

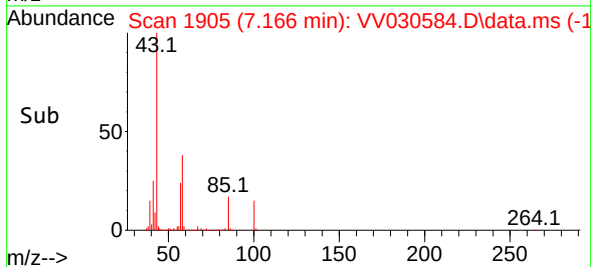
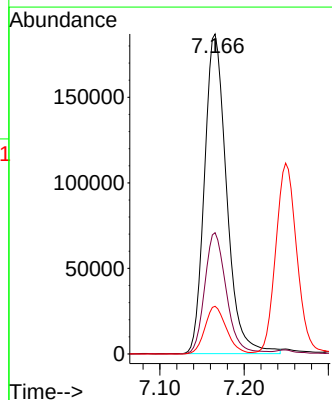
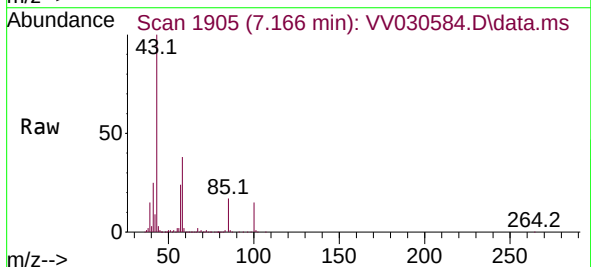
Tgt Ion: 43 Resp: 342297

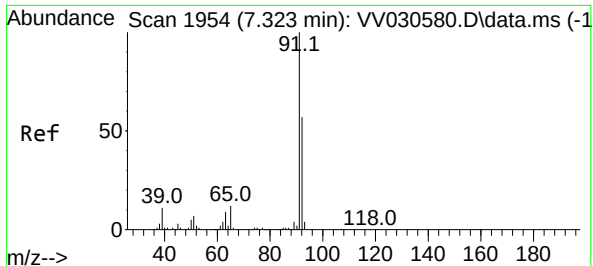
Ion Ratio Lower Upper

43 100

58 37.3 29.2 43.8

100 14.5 11.3 16.9

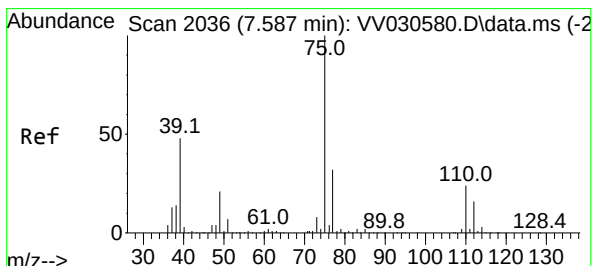
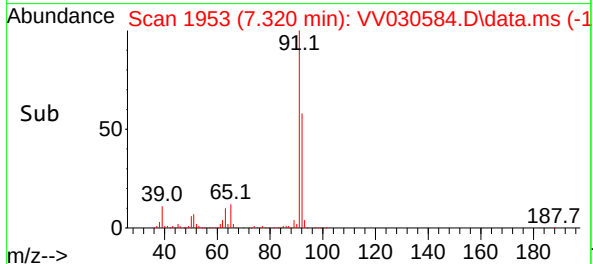
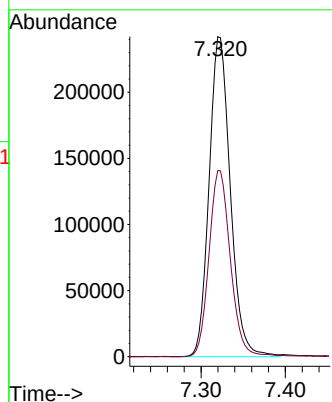
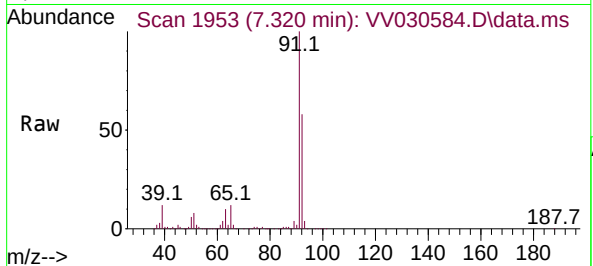




#42
Toluene
Concen: 49.639 ug/L
RT: 7.320 min Scan# 1954
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

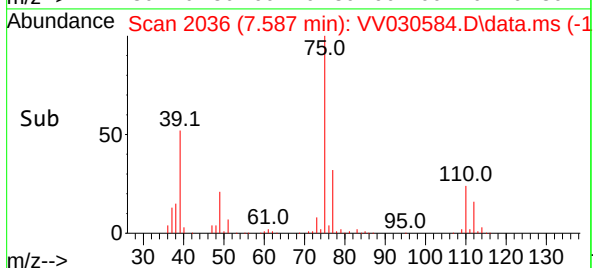
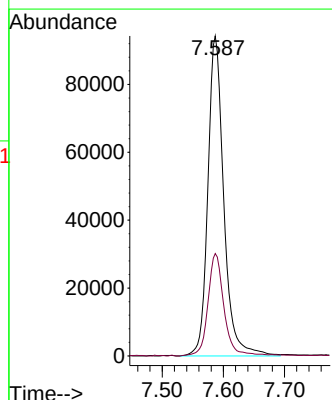
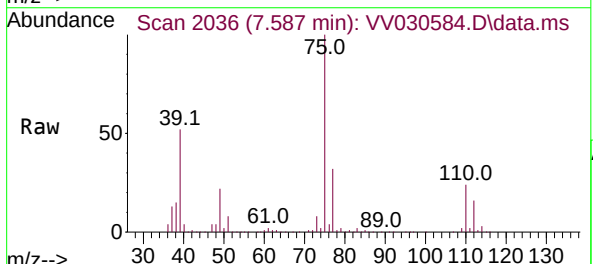
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

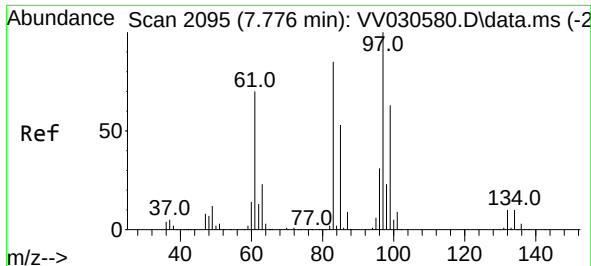
Tgt Ion: 91 Resp: 423424
Ion Ratio Lower Upper
91 100
92 58.2 39.8 73.8



#44
trans-1,3-Dichloropropene
Concen: 53.981 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 75 Resp: 170618
Ion Ratio Lower Upper
75 100
77 32.0 22.1 41.1



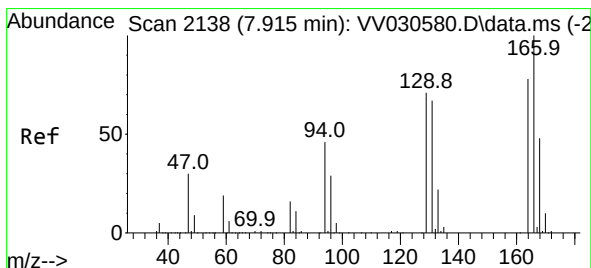
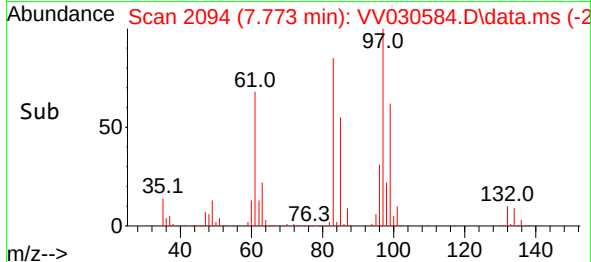
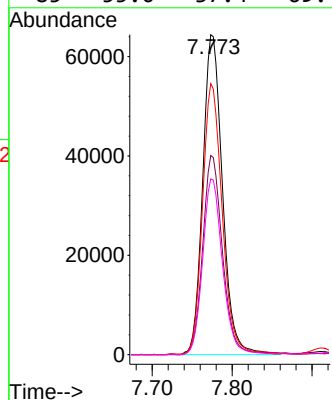
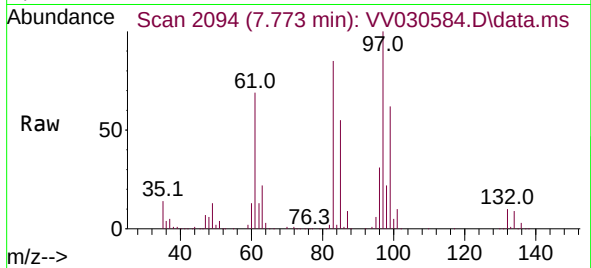


#45
1,1,2-Trichloroethane
Concen: 51.531 ug/L
RT: 7.773 min Scan# 2095
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

Tgt Ion: 97 Resp: 110760

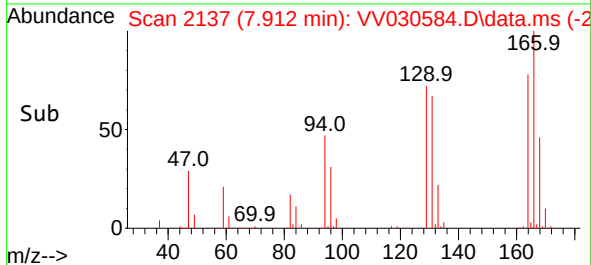
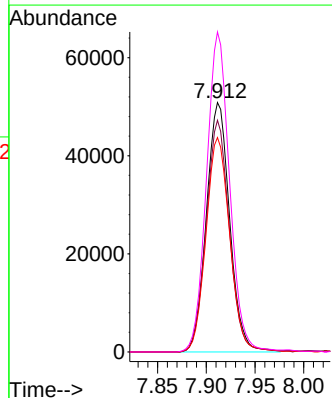
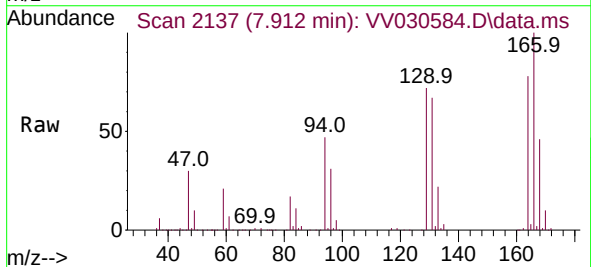
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.4
83	84.7	59.6	110.6
85	55.0	37.4	69.4

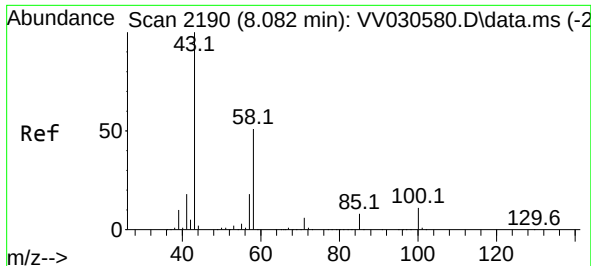


#46
Tetrachloroethene
Concen: 46.582 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 164 Resp: 84461

Ion	Ratio	Lower	Upper
164	100		
129	92.9	63.8	118.6
131	86.0	60.3	111.9
166	128.3	89.5	166.1



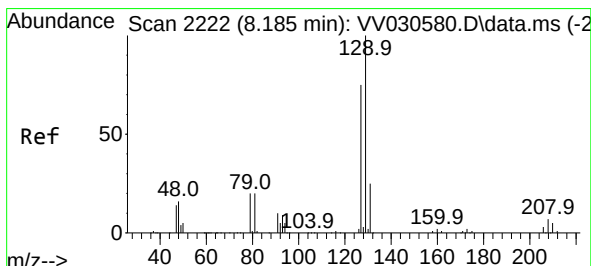
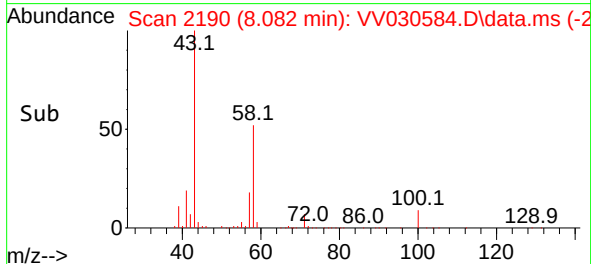
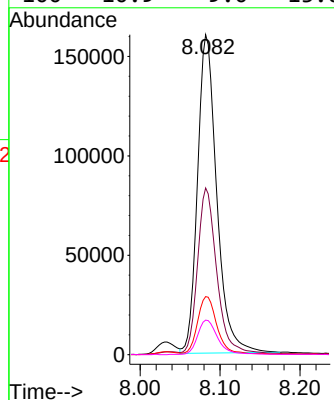
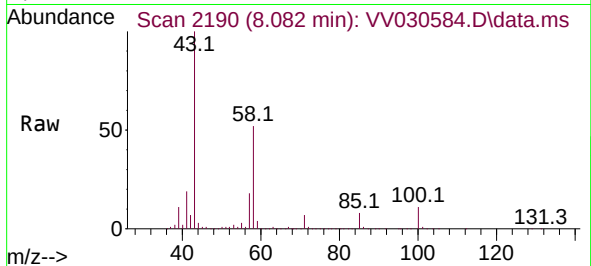


#48
2-Hexanone
Concen: 108.618 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

Tgt Ion: 43 Resp: 268352

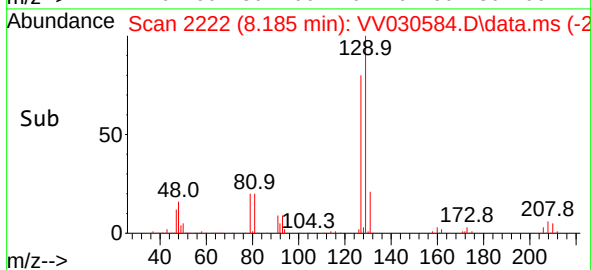
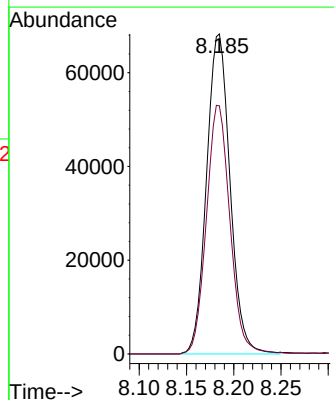
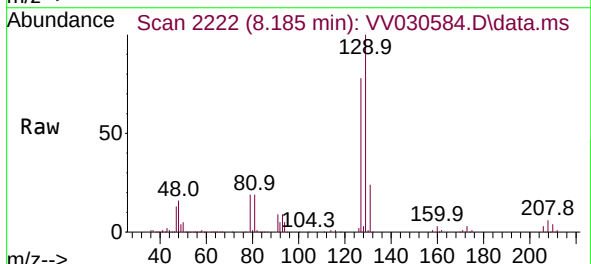
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.4	62.0
57	17.9	14.9	22.3
100	10.9	9.0	13.6

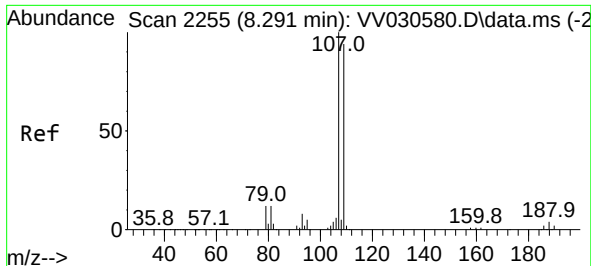


#49
Dibromochloromethane
Concen: 49.848 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 129 Resp: 118182

Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.8	98.2





#50

1,2-Dibromoethane

Concen: 52.482 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050287

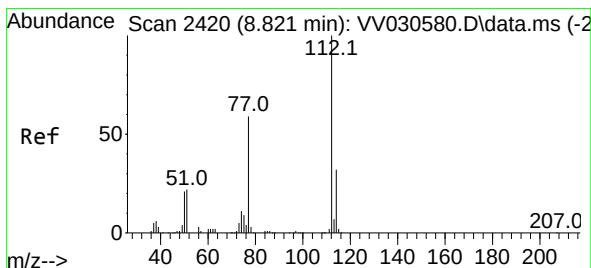
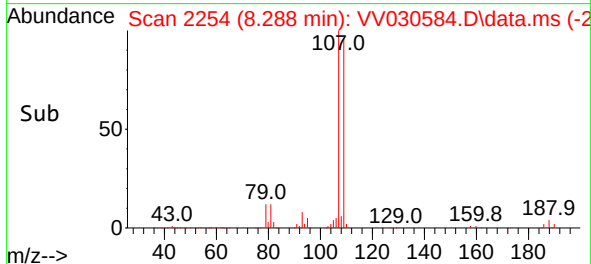
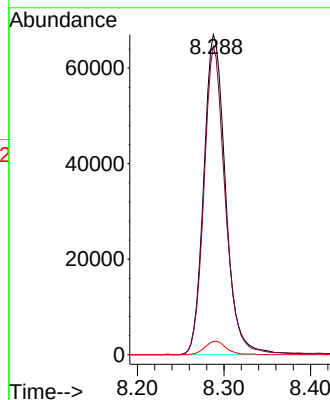
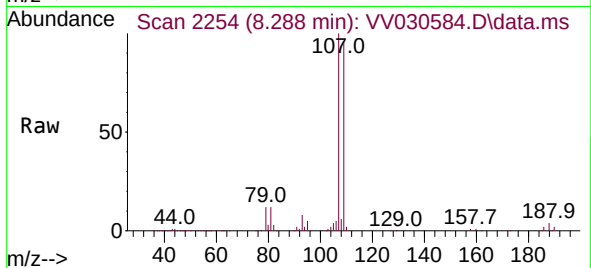
Tgt Ion:107 Resp: 116883

Ion Ratio Lower Upper

107 100

109 96.3 65.7 121.9

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 48.363 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

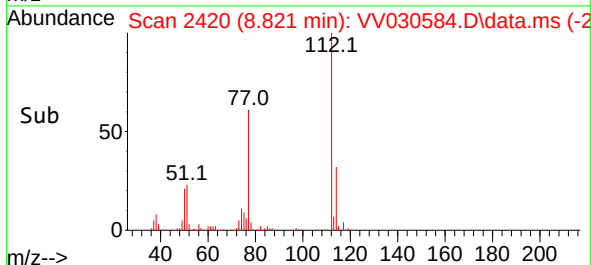
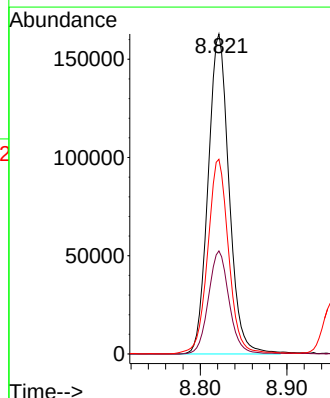
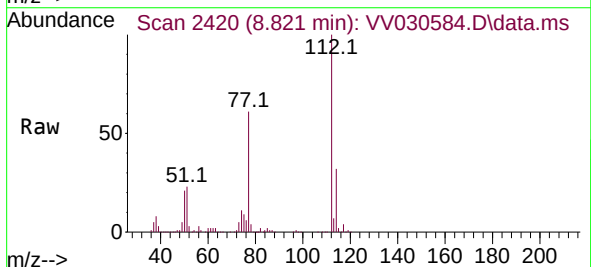
Tgt Ion:112 Resp: 273217

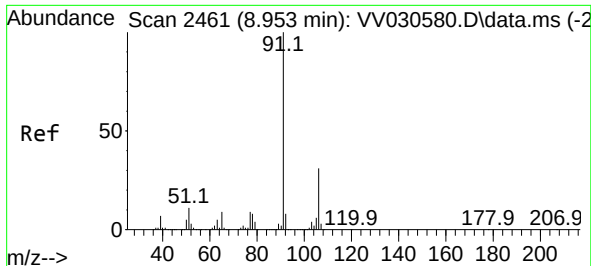
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 60.9 47.4 71.0





#52

Ethylbenzene

Concen: 49.365 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

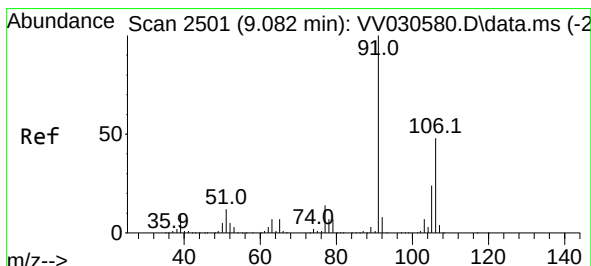
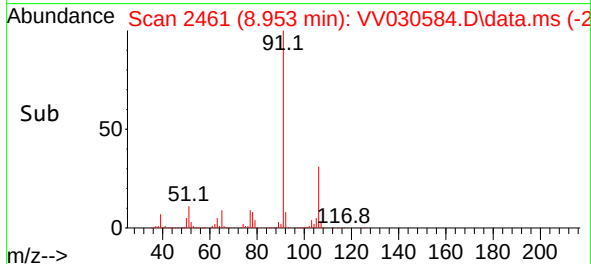
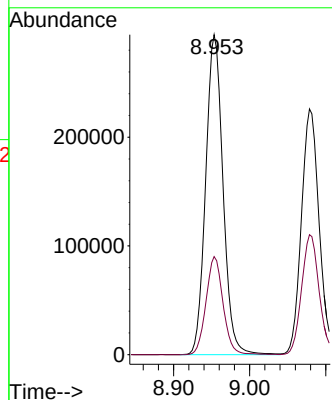
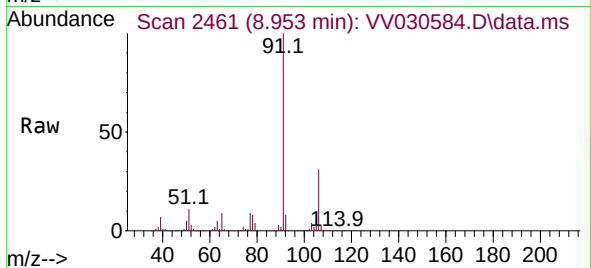
VSTD050287

Tgt Ion: 91 Resp: 466168

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#53

m,p-Xylene

Concen: 49.730 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.003 min

Lab File: VV030584.D

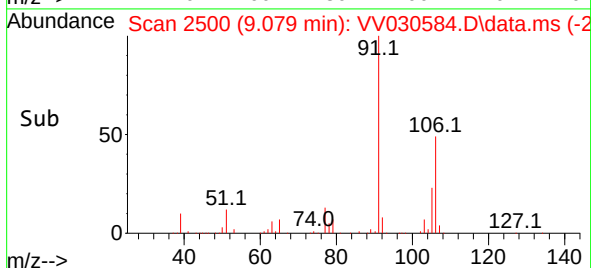
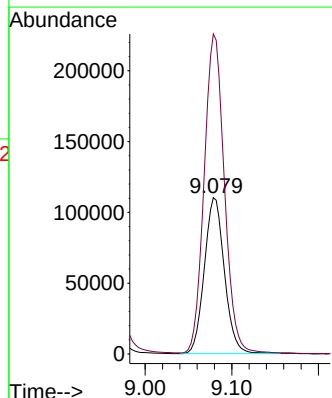
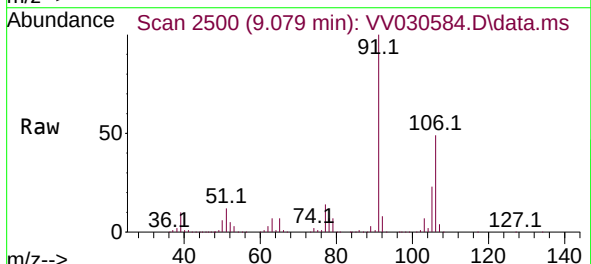
Acq: 17 Apr 2023 13:02

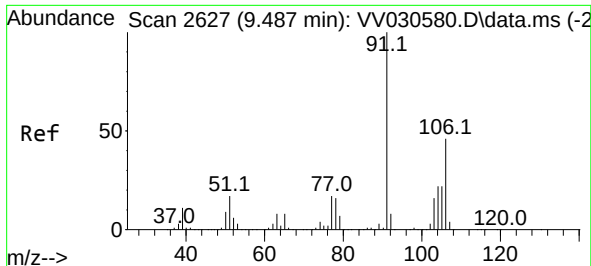
Tgt Ion: 106 Resp: 177387

Ion Ratio Lower Upper

106 100

91 204.8 144.7 268.7

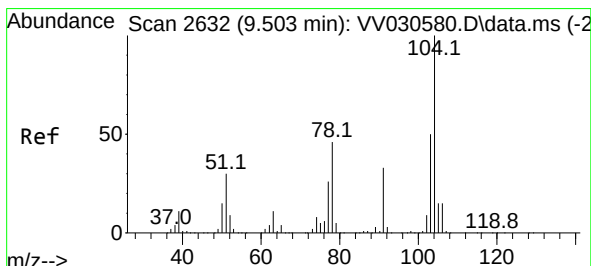
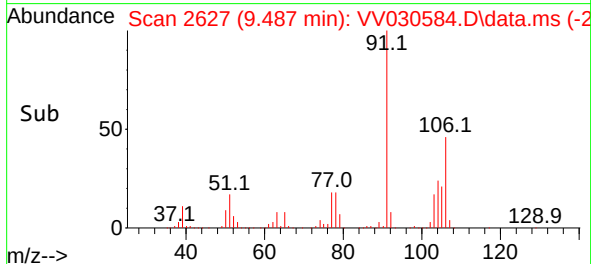
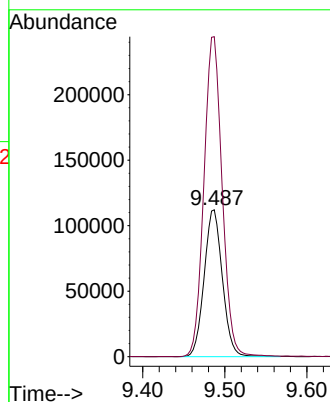
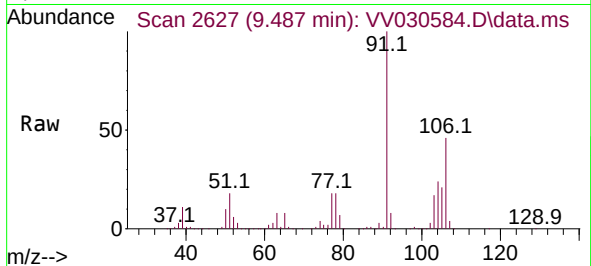




#54
o-Xylene
Concen: 49.669 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

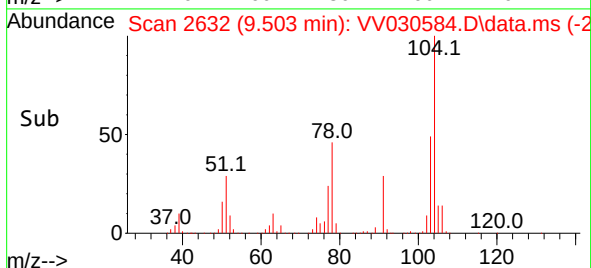
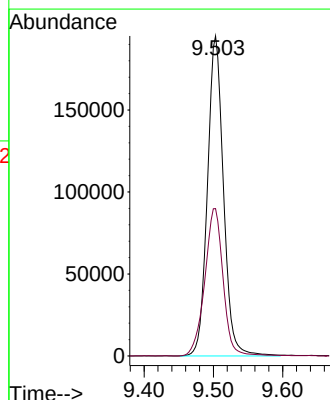
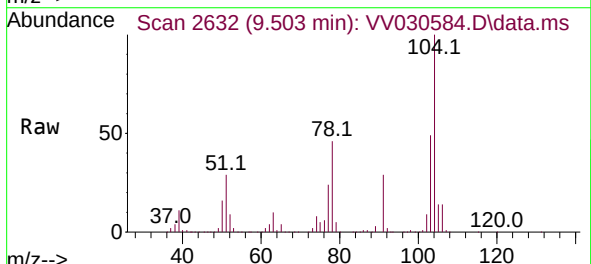
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

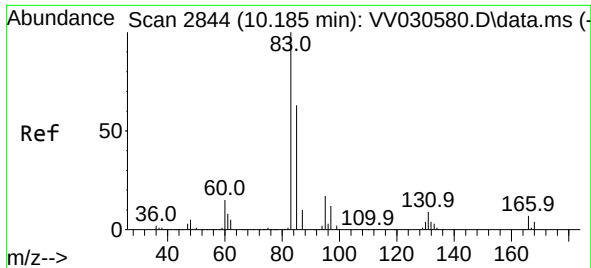
Tgt Ion:106 Resp: 173321
Ion Ratio Lower Upper
106 100
91 217.8 152.6 283.4



#55
Styrene
Concen: 51.074 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion:104 Resp: 313067
Ion Ratio Lower Upper
104 100
78 46.0 32.3 59.9

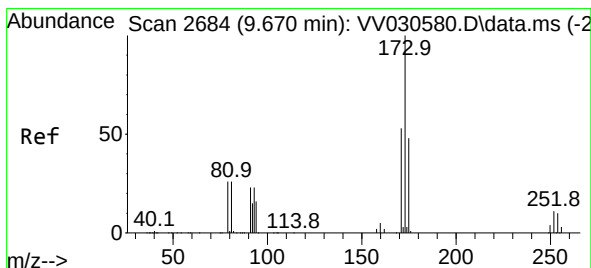
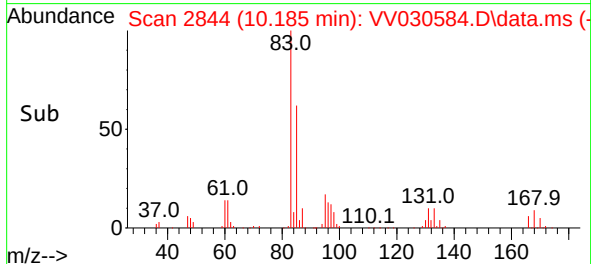
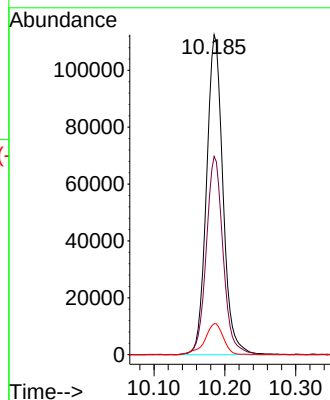
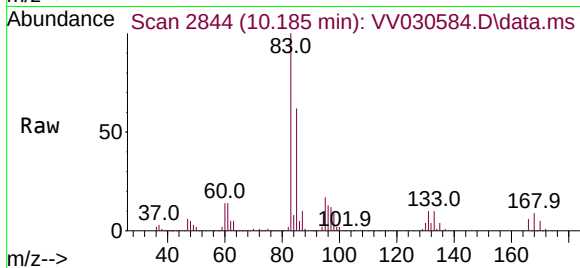




#57
1,1,2,2-Tetrachloroethane
Concen: 51.298 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

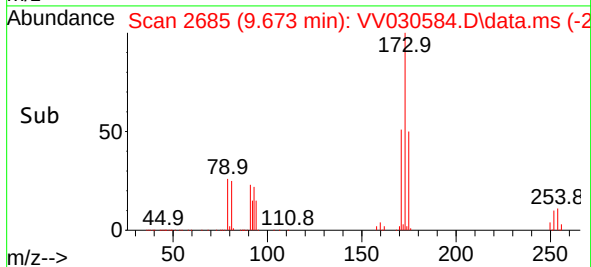
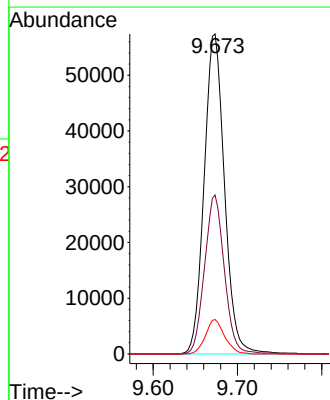
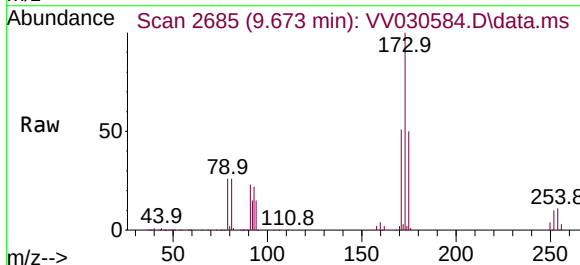
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

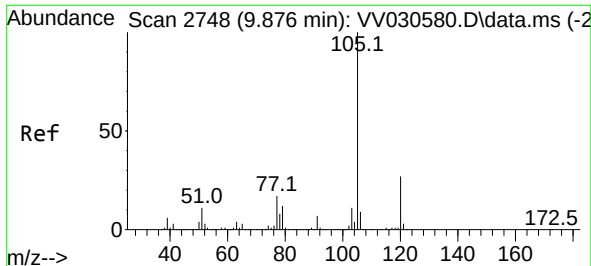
Tgt Ion: 83 Resp: 181029
Ion Ratio Lower Upper
83 100
85 61.9 45.1 83.7
131 9.7 8.0 12.0



#59
Bromoform
Concen: 52.054 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 173 Resp: 96562
Ion Ratio Lower Upper
173 100
175 48.2 38.8 58.2
254 10.1 8.2 12.4

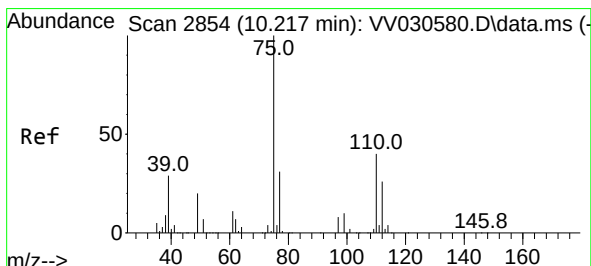
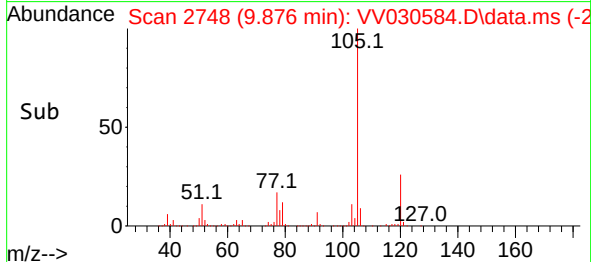
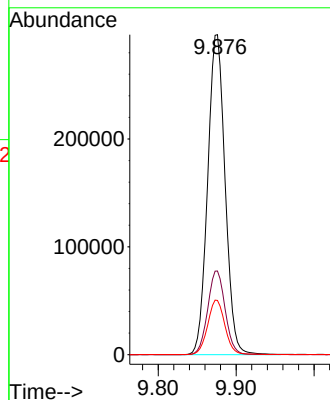
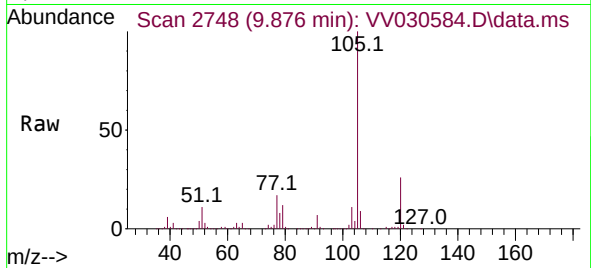




#60
Isopropylbenzene
Concen: 49.940 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

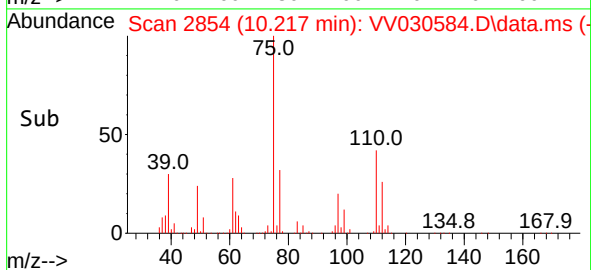
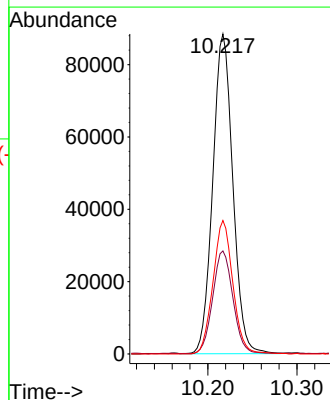
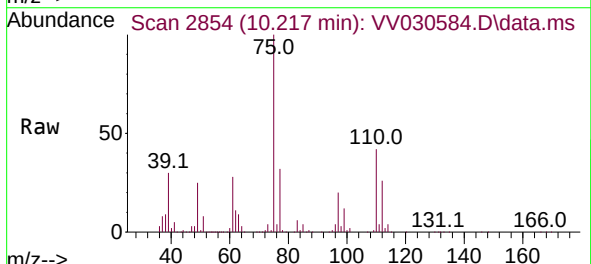
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

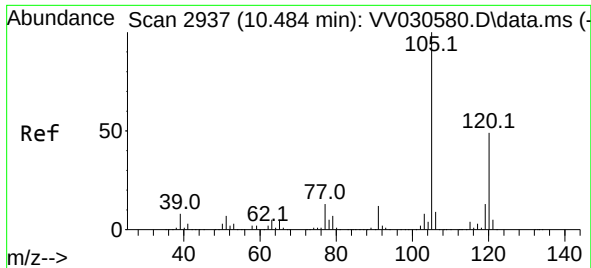
Tgt Ion:105 Resp: 461468
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3
77 16.6 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 52.128 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion: 75 Resp: 138335
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 41.4 32.8 49.2

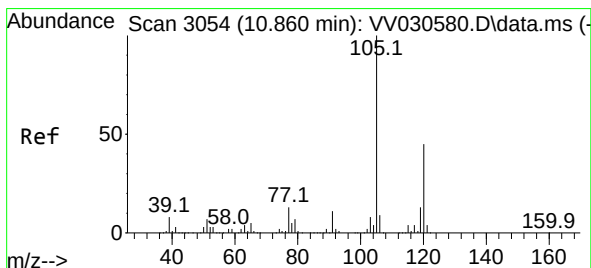
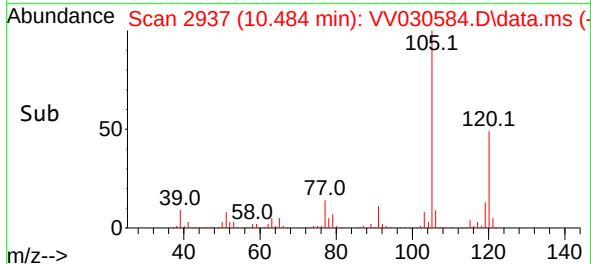
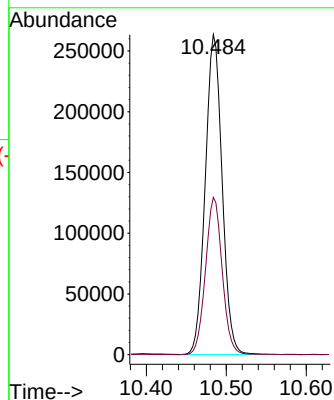
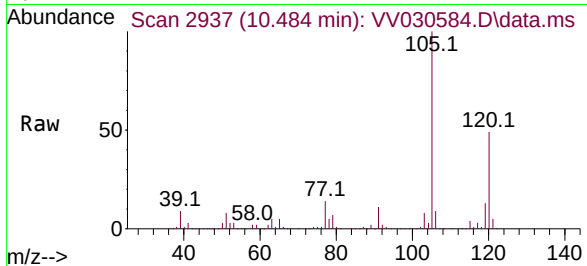




#62
 1,3,5-Trimethylbenzene
 Concen: 50.850 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

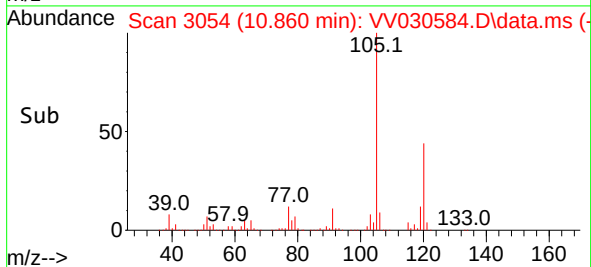
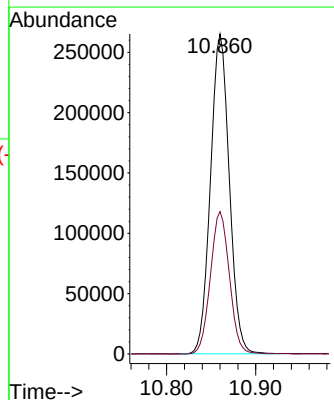
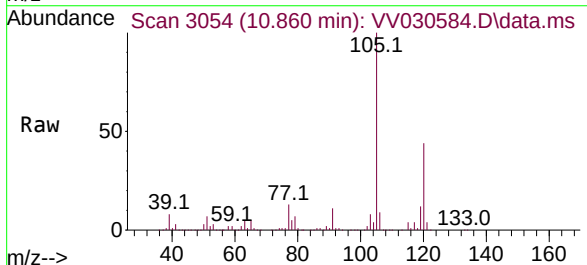
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050287

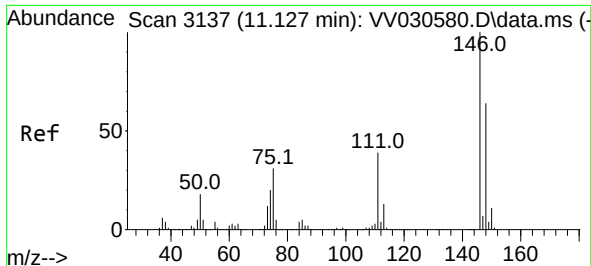
Tgt Ion:105 Resp: 386871
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 51.185 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

Tgt Ion:105 Resp: 388817
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.2 54.4

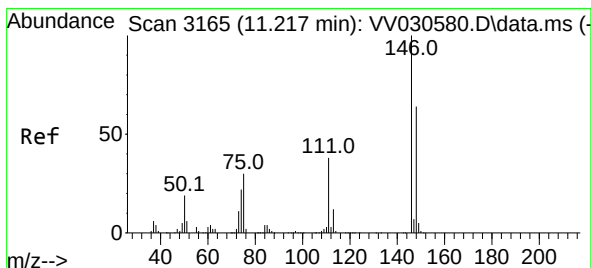
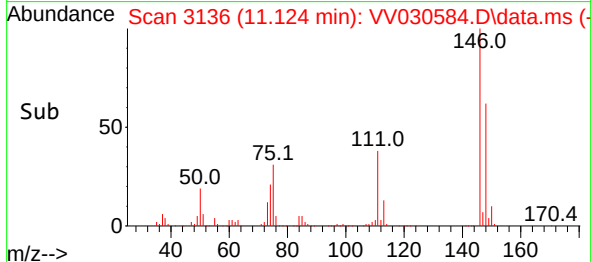
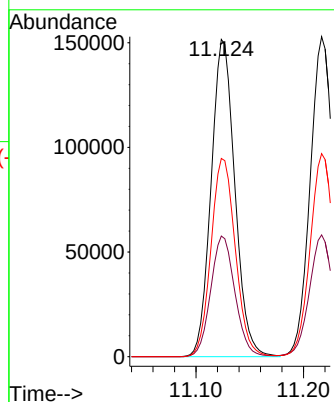
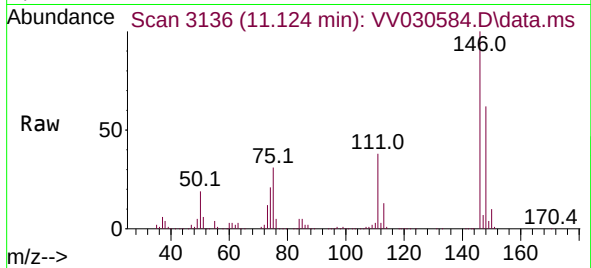




#64
1,3-Dichlorobenzene
Concen: 50.276 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.003 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

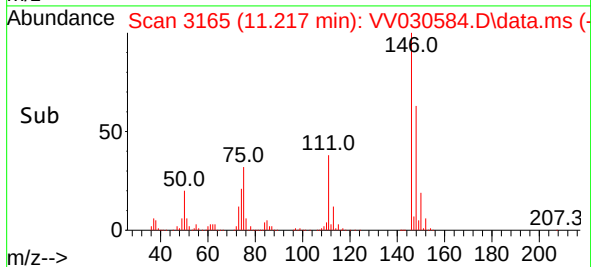
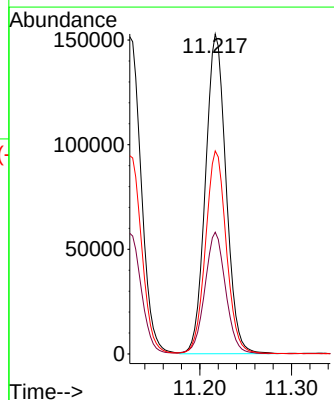
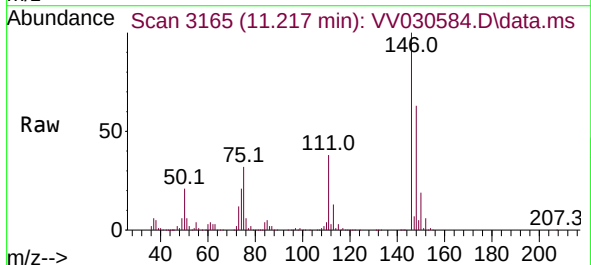
Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

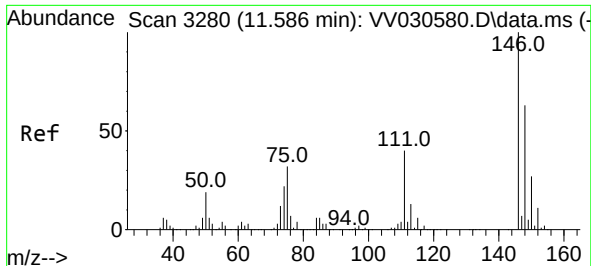
Tgt Ion:146 Resp: 232590
Ion Ratio Lower Upper
146 100
111 38.0 27.0 50.2
148 62.5 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.829 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion:146 Resp: 238205
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.1
148 63.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 50.039 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050287

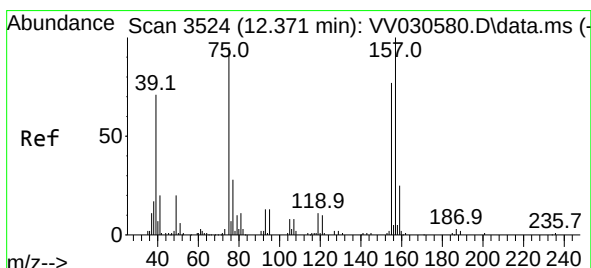
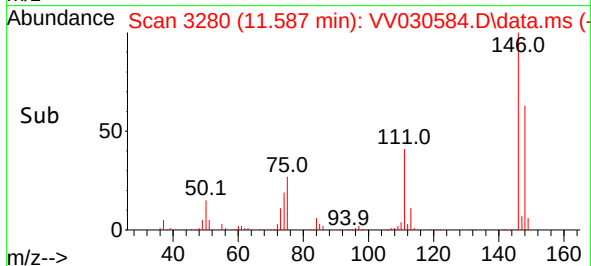
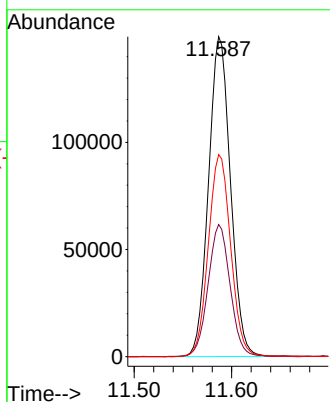
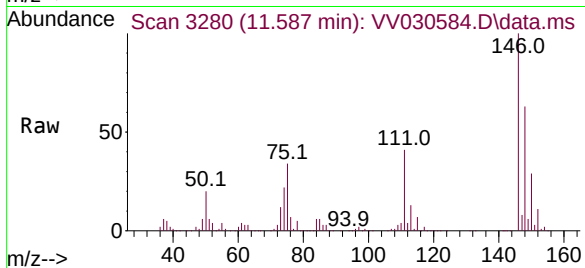
Tgt Ion:146 Resp: 233538

Ion Ratio Lower Upper

146 100

111 41.3 32.0 48.0

148 63.2 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 51.218 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030584.D

Acq: 17 Apr 2023 13:02

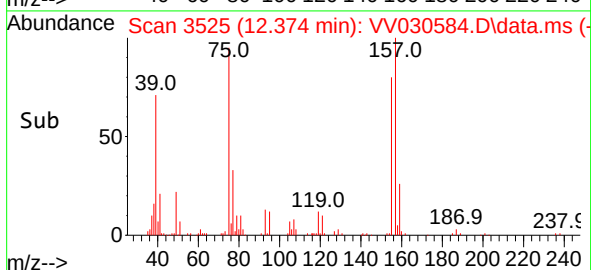
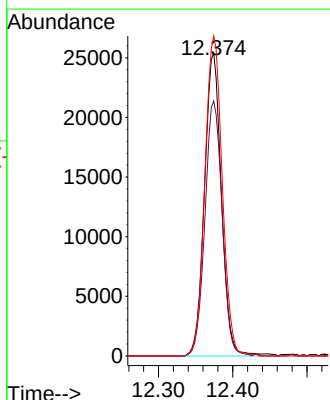
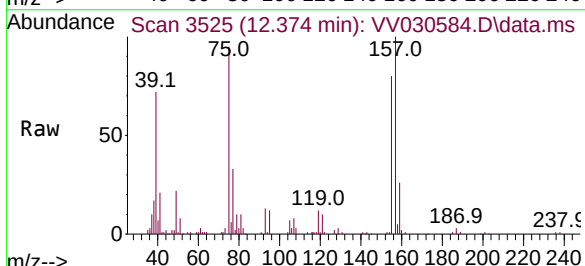
Tgt Ion: 75 Resp: 40269

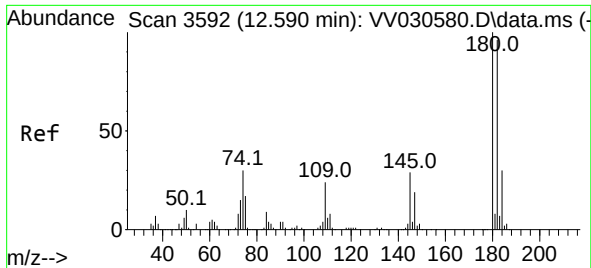
Ion Ratio Lower Upper

75 100

155 84.2 65.0 97.6

157 105.7 84.4 126.6

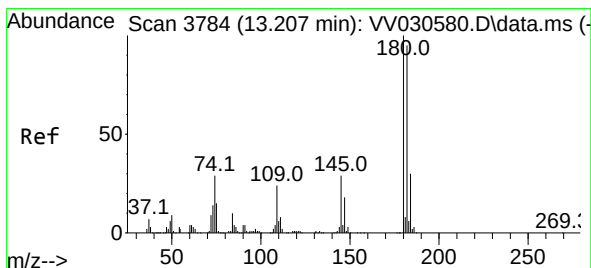
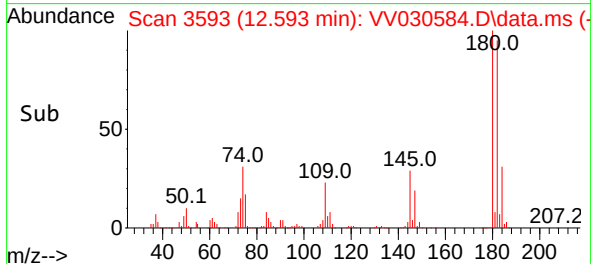
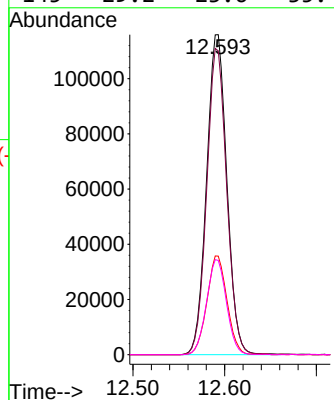
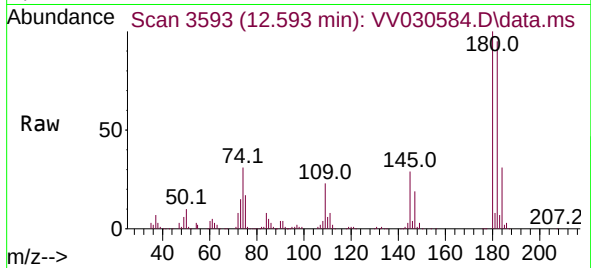




#69
 1,3,5-Trichlorobenzene
 Concen: 50.930 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.003 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

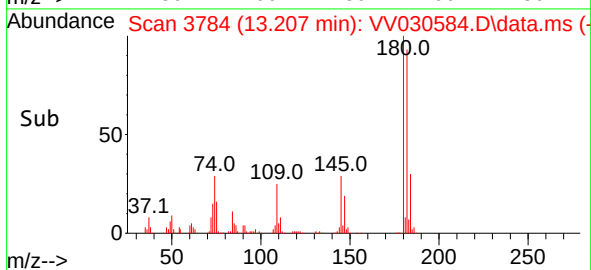
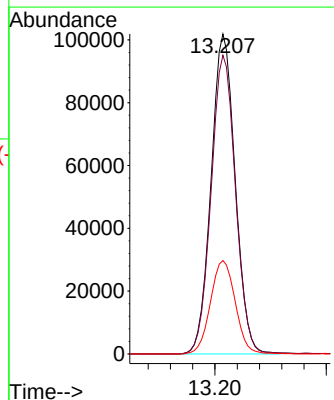
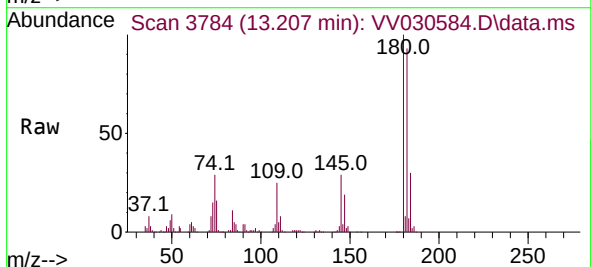
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050287

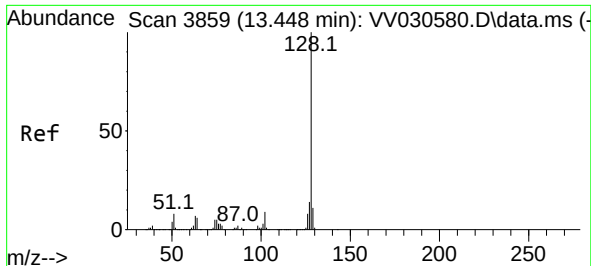
Tgt Ion:	180	Resp:	177985
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.4	114.6
184	30.6	24.1	36.1
145	29.2	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 51.522 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030584.D
 Acq: 17 Apr 2023 13:02

Tgt Ion:	180	Resp:	152877
Ion Ratio	Lower	Upper	
180	100		
182	94.5	75.9	113.9
145	30.1	23.4	35.2

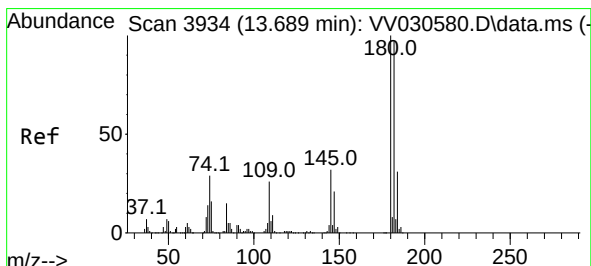
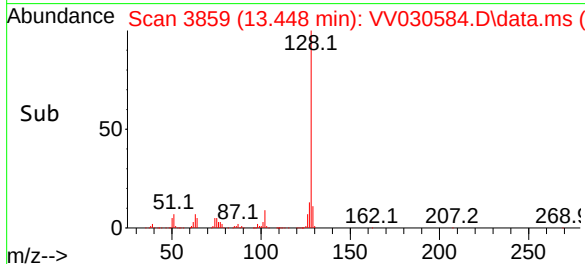
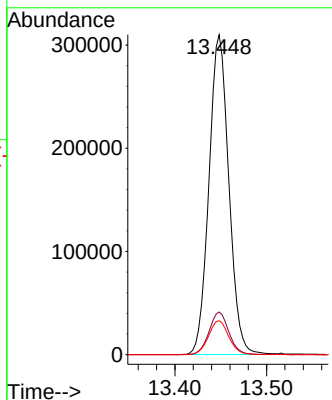
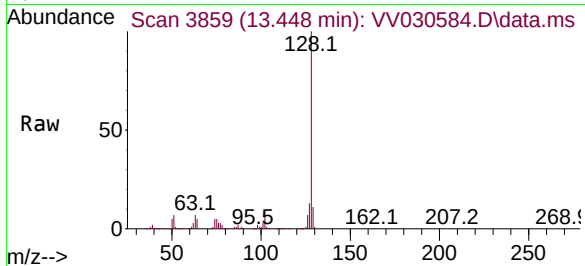




#71
Naphthalene
Concen: 57.627 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050287

Tgt Ion:128 Resp: 467753
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 52.900 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030584.D
Acq: 17 Apr 2023 13:02

Tgt Ion:180 Resp: 155649
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.4
145 31.3 25.1 37.7

