

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031623\
 Data File : VW030227.D
 Acq On : 16 Mar 2023 16:55
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

Quant Time: Mar 17 05:49:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 05:46:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	147158	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	142603	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	85193	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	42332	4.446	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.539	69	37177	4.159	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.069	63	86559	4.422	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	3.815	46	97144	55.336	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.680%
24) Chloroform-d	4.262	84	86631	4.454	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	4.957	65	42107	5.303	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	4.973	84	160614	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	5.998	67	47969	4.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.252	98	151956	4.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.561	79	18250	4.621	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.034	63	76056	46.548	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.100%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	36594	4.456	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	56956	3.951	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	47345	3.954	ug/L	100
3) Chloromethane	1.217	50	62972	3.338	ug/L	100
5) Vinyl chloride	1.285	62	50110	3.996	ug/L	97
6) Bromomethane	1.494	94	15866	7.049	ug/L	95
8) Chloroethane	1.555	64	31512	4.125	ug/L	93
9) Trichlorofluoromethane	1.719	101	76715	4.264	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	44104	3.953	ug/L	97
12) 1,1-Dichloroethene	2.076	96	37683	3.816	ug/L #	74
13) Acetone	2.140	43	65344	50.360	ug/L #	62
14) Carbon disulfide	2.249	76	90740	3.434	ug/L	99
15) Methyl Acetate	2.391	43	14865	4.905	ug/L	94
16) Methylene chloride	2.455	84	41983	3.480	ug/L	91
17) Methyl tert-butyl Ether	2.715	73	87524	4.532	ug/L #	92
18) trans-1,2-Dichloroethene	2.703	96	36924	3.930	ug/L	93
19) 1,1-Dichloroethane	3.124	63	80015	4.572	ug/L	96
21) 2-Butanone	3.896	43	93475	53.566	ug/L	85
22) cis-1,2-Dichloroethene	3.828	96	42252	4.069	ug/L	89
23) Bromochloromethane	4.162	128	18310	4.126	ug/L	90
25) Chloroform	4.291	83	82831	4.550	ug/L	93

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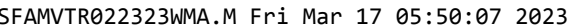
Instrument :
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 VSTD005305

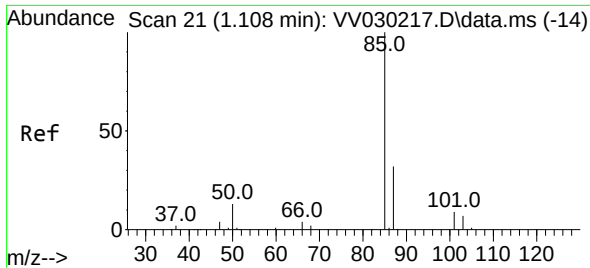
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	49530	5.201	ug/L #	93
29) 1,1,1-Trichloroethane	4.526	97	74016	4.418	ug/L	95
30) Cyclohexane	4.596	56	57486	3.972	ug/L	94
31) Carbon tetrachloride	4.748	117	63906	4.244	ug/L	100
33) Benzene	5.024	78	162447	4.171	ug/L	100
34) Trichloroethene	5.844	95	42814	3.923	ug/L	95
35) Methylcyclohexane	6.063	83	60502	3.663	ug/L	92
37) 1,2-Dichloropropane	6.104	63	43053	4.345	ug/L	100
38) Bromodichloromethane	6.442	83	56334	4.454	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	56239	3.877	ug/L	96
40) 4-Methyl-2-pentanone	7.169	43	238930	58.439	ug/L #	90
42) Toluene	7.326	91	179618	4.258	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	47527	4.198	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	29447	4.154	ug/L	97
47) Tetrachloroethene	7.915	164	34906	3.726	ug/L	99
48) 2-Hexanone	8.085	43	168225	57.474	ug/L	90
49) Dibromochloromethane	8.185	129	34750	4.189	ug/L	97
50) 1,2-Dibromoethane	8.291	107	27189	4.110	ug/L #	99
51) Chlorobenzene	8.825	112	115128	4.047	ug/L	97
52) Ethylbenzene	8.956	91	192410	4.191	ug/L	98
53) m,p-Xylene	9.082	106	73023	4.139	ug/L	97
54) o-Xylene	9.487	106	71143	4.221	ug/L	95
55) Styrene	9.506	104	121864	4.348	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	35172	4.435	ug/L	98
59) Bromoform	9.673	173	20400	3.995	ug/L	99
60) Isopropylbenzene	9.876	105	200559	4.091	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	24589	4.312	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	159837	3.970	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	167602	4.069	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	102722	4.025	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	103022	4.001	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	89914	3.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	5788	4.545	ug/L	84
69) 1,3,5-Trichlorobenzene	12.593	180	78172	3.726	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	62157	3.657	ug/L	97
71) Naphthalene	13.451	128	83869	3.776	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	52938	3.783	ug/L	98

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

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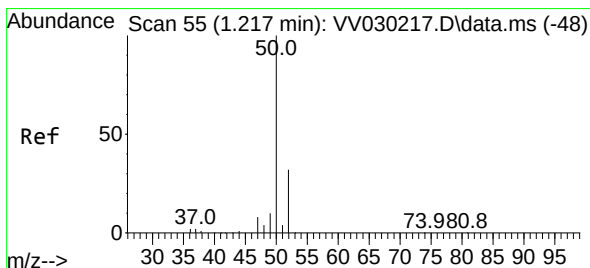
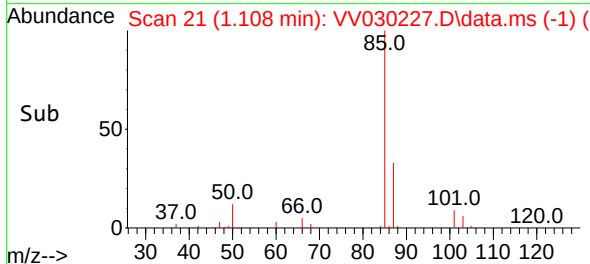
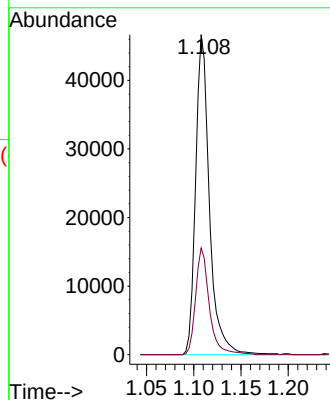
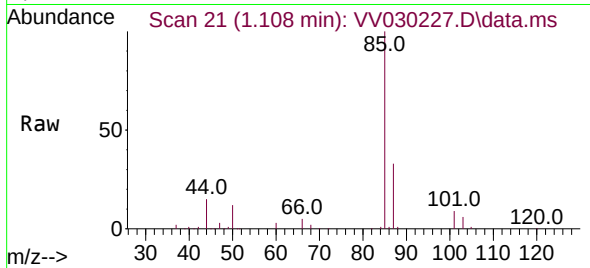




#2
 Dichlorodifluoromethane
 Concen: 3.954 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

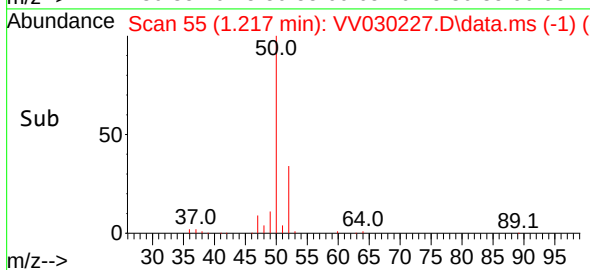
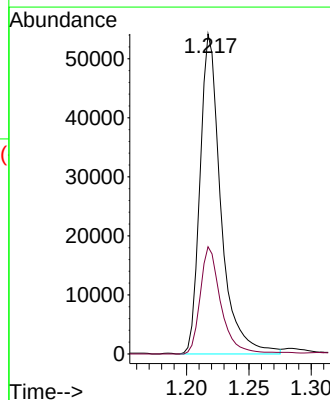
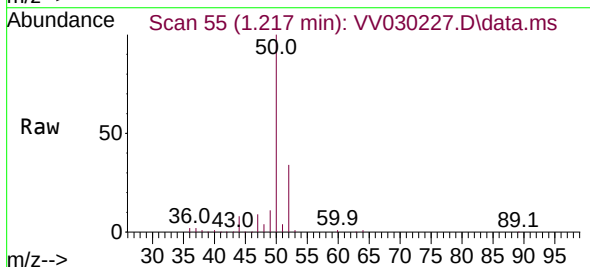
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

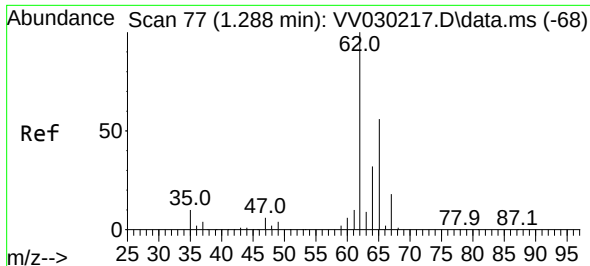
Tgt Ion: 85 Resp: 47345
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.6 39.8



#3
 Chloromethane
 Concen: 3.338 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

Tgt Ion: 50 Resp: 62972
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.6 43.8

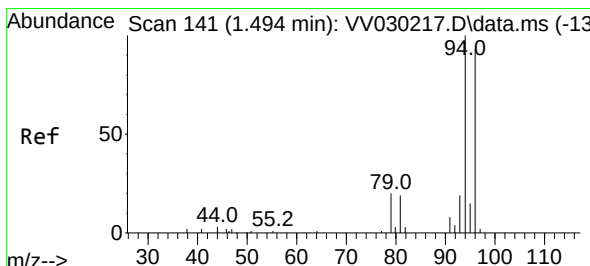
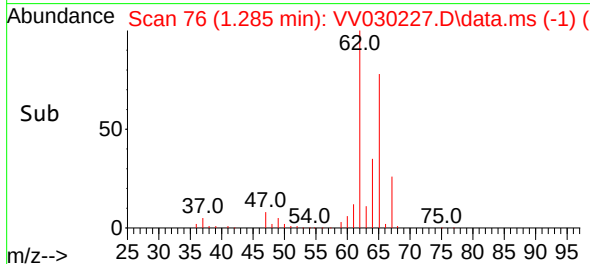
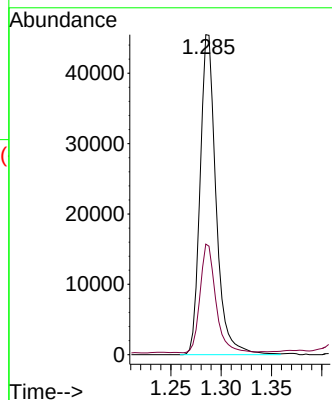
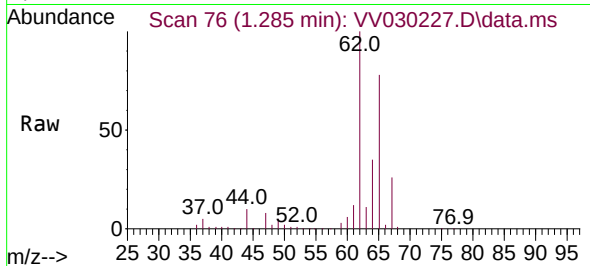




#5
 Vinyl chloride
 Concen: 3.996 ug/L
 RT: 1.285 min Scan# 77
 Delta R.T. -0.003 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

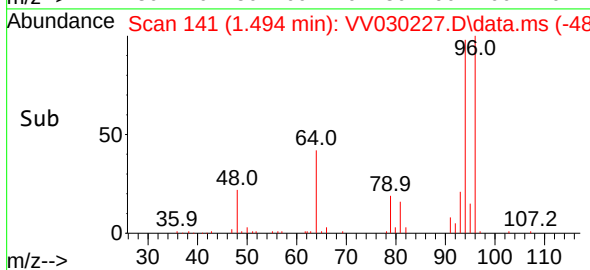
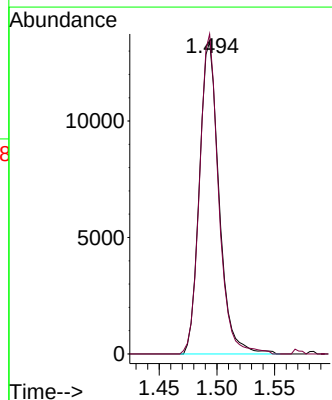
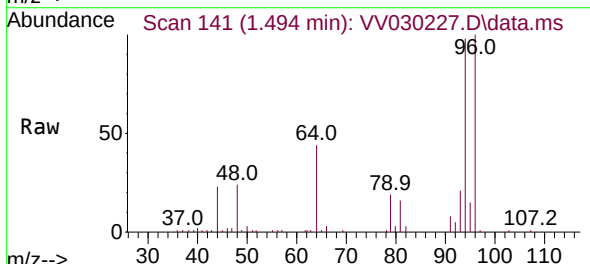
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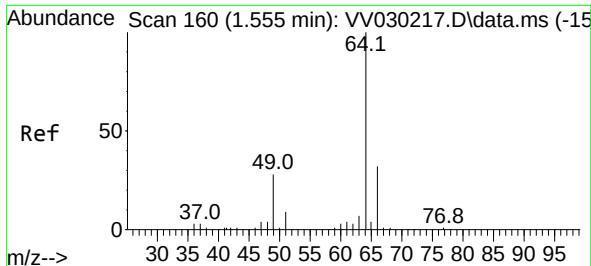
Tgt Ion: 62 Resp: 50110
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.1 42.9



#6
 Bromomethane
 Concen: 7.049 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

Tgt Ion: 94 Resp: 15866
 Ion Ratio Lower Upper
 94 100
 96 102.5 68.4 127.0

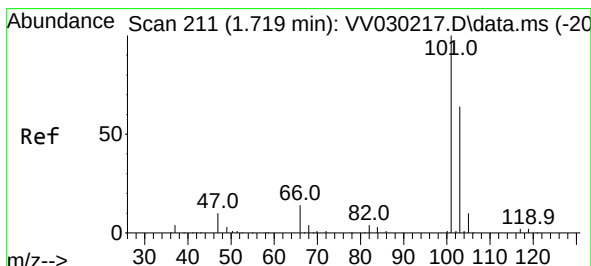
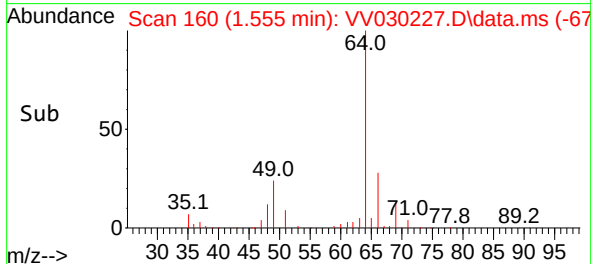
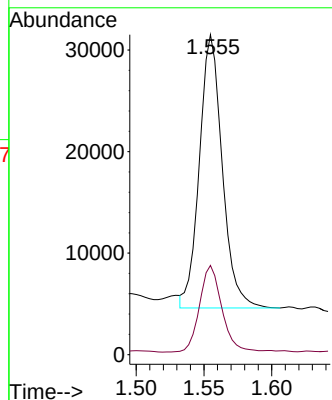
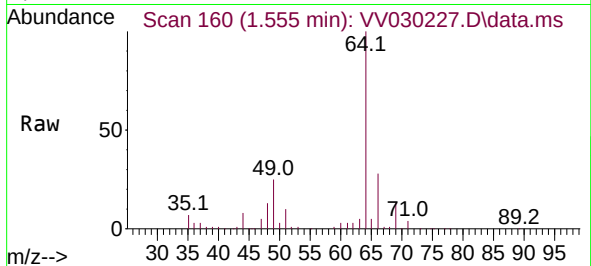




#8
Chloroethane
Concen: 4.125 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

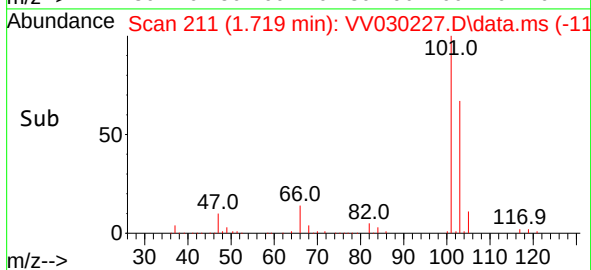
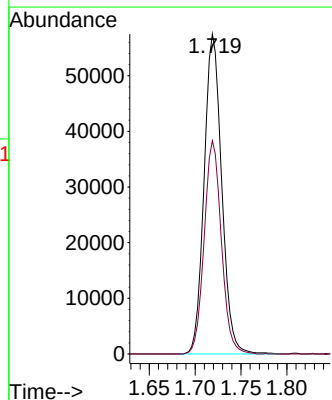
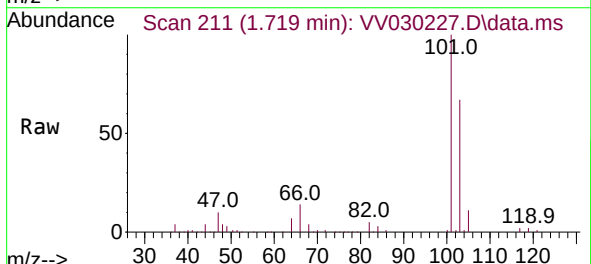
Instrument :
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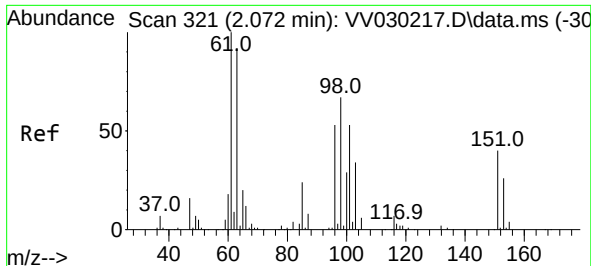
Tgt Ion: 64 Resp: 31512
Ion Ratio Lower Upper
64 100
66 27.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.264 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion:101 Resp: 76715
Ion Ratio Lower Upper
101 100
103 65.1 52.7 79.1

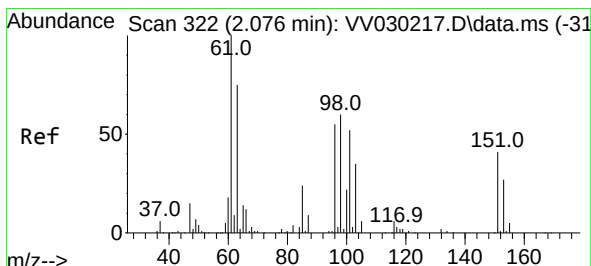
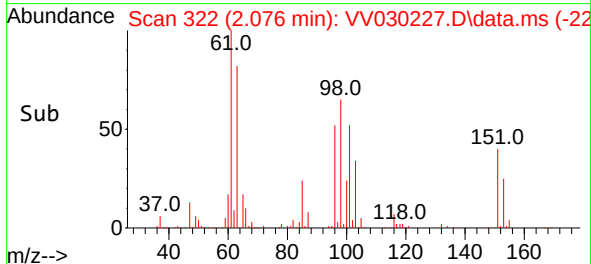
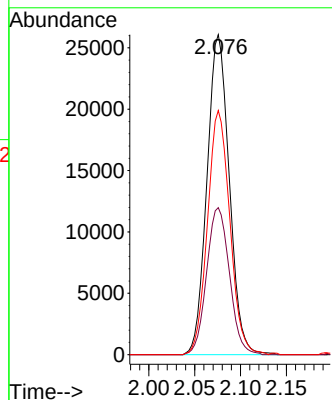
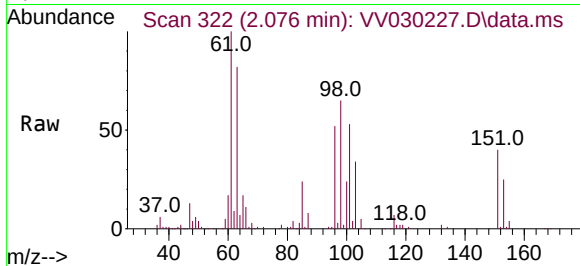




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.953 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

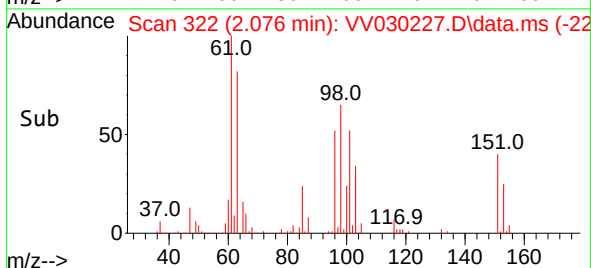
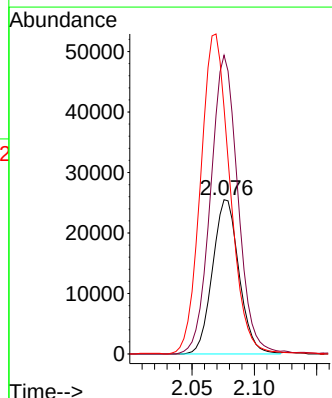
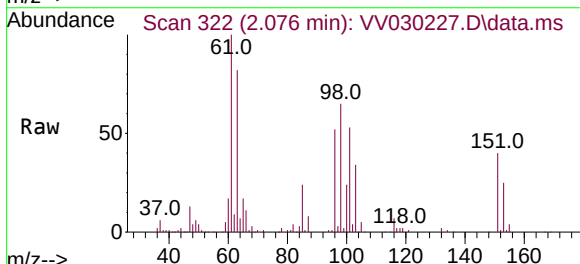
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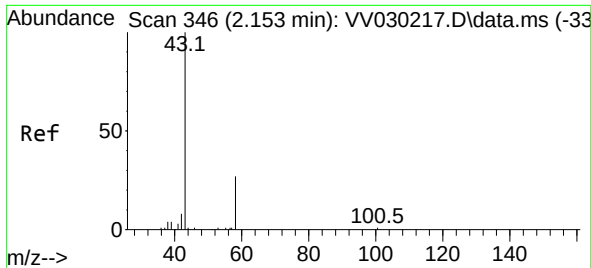
Tgt Ion:101 Resp: 44104
Ion Ratio Lower Upper
101 100
85 47.0 33.5 50.3
151 76.5 61.6 92.4



#12
1,1-Dichloroethene
Concen: 3.816 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 96 Resp: 37683
Ion Ratio Lower Upper
96 100
61 193.7 115.6 214.6
63 159.6 85.6 159.0#





#13

Acetone

Concen: 50.360 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

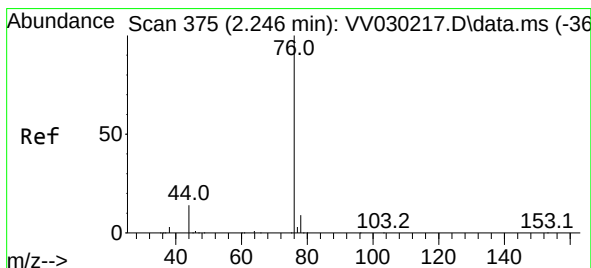
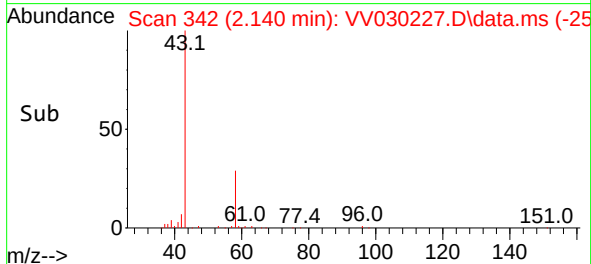
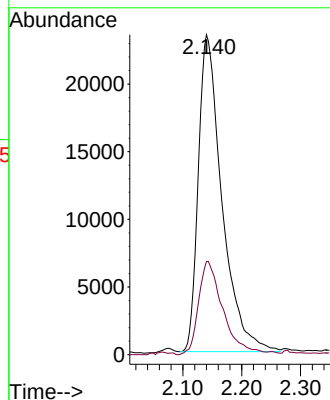
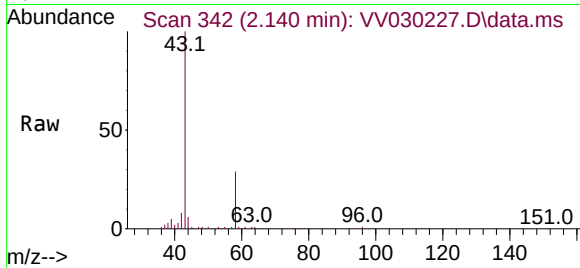
VSTD005305

Tgt Ion: 43 Resp: 65344

Ion Ratio Lower Upper

43 100

58 30.4 0.0 29.4#



#14

Carbon disulfide

Concen: 3.434 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030227.D

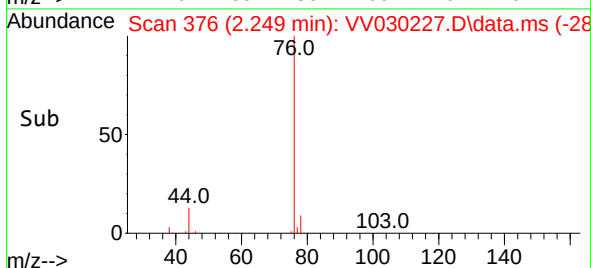
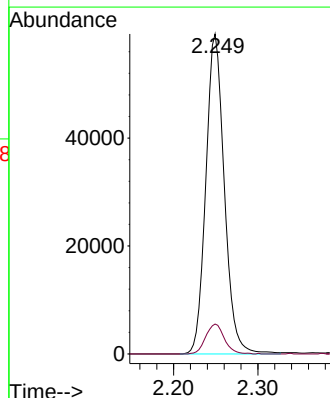
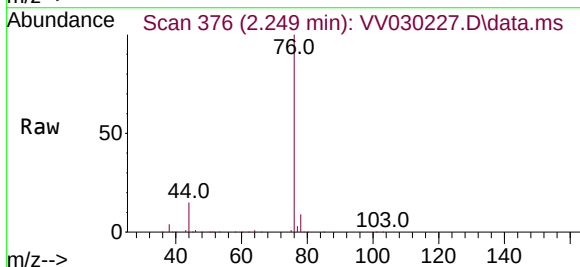
Acq: 16 Mar 2023 16:55

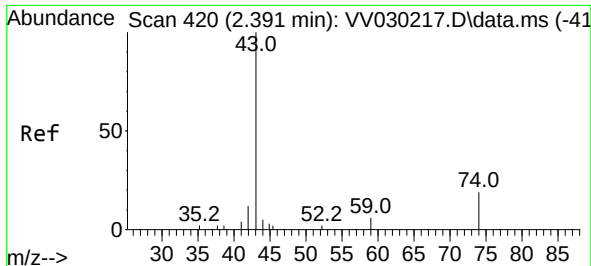
Tgt Ion: 76 Resp: 90740

Ion Ratio Lower Upper

76 100

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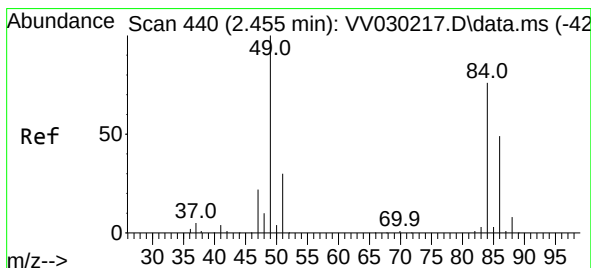
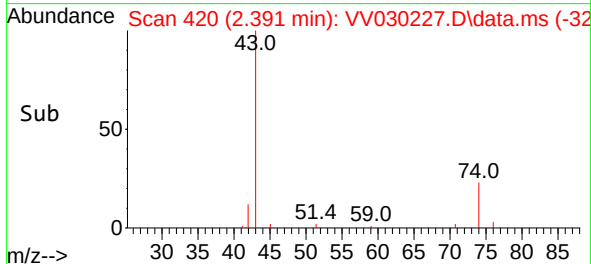
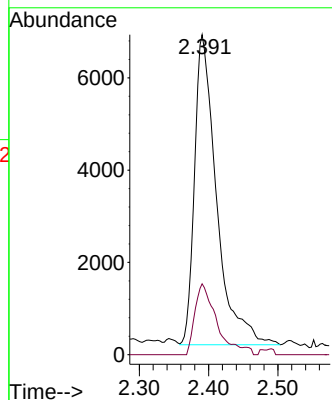
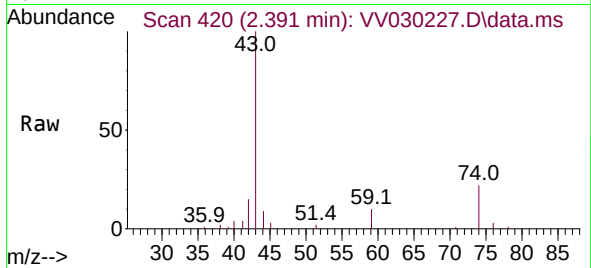




#15
Methyl Acetate
Concen: 4.905 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

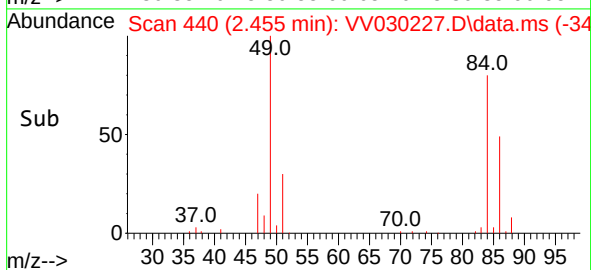
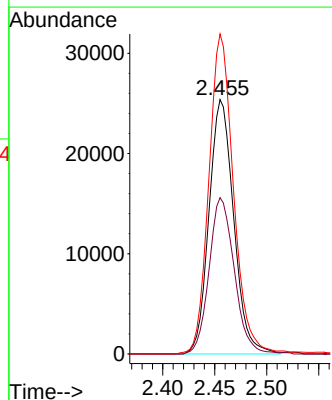
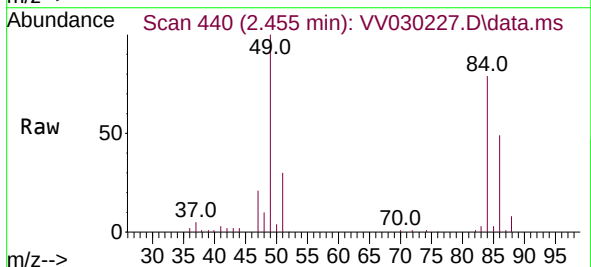
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

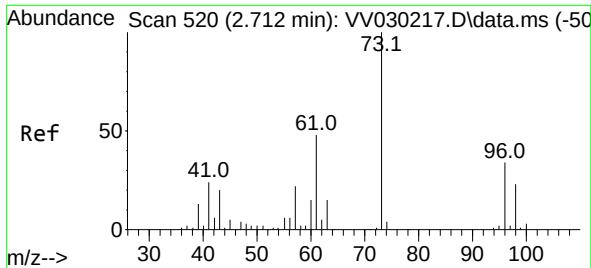
Tgt Ion: 43 Resp: 14865
Ion Ratio Lower Upper
43 100
74 21.9 20.1 30.1



#16
Methylene chloride
Concen: 3.480 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 84 Resp: 41983
Ion Ratio Lower Upper
84 100
86 61.4 44.7 83.1
49 125.8 78.8 146.3

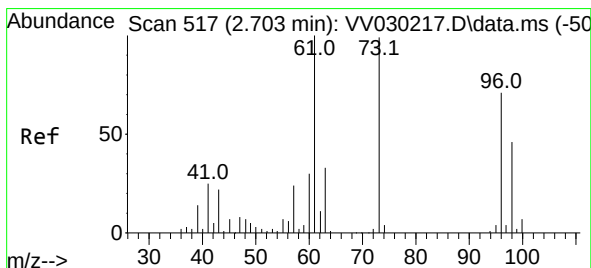
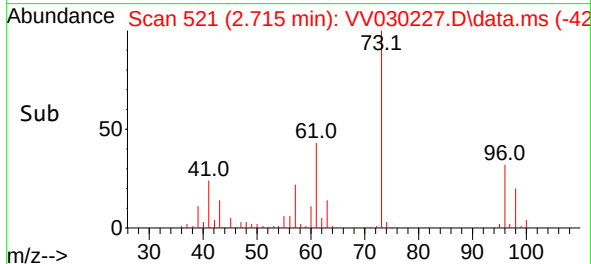
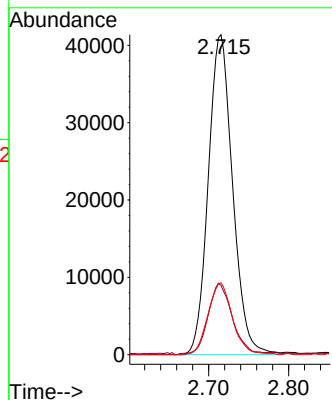
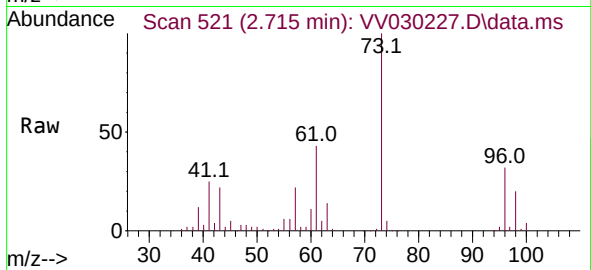




#17
Methyl tert-butyl Ether
Concen: 4.532 ug/L
RT: 2.715 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

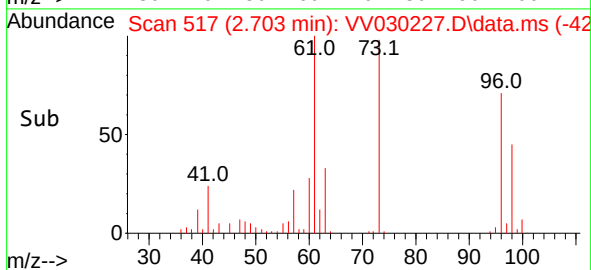
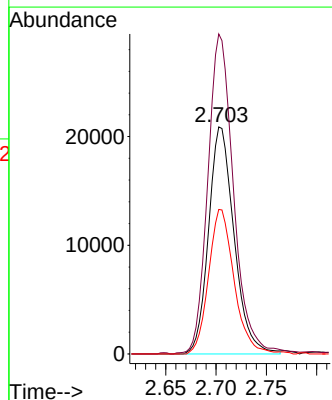
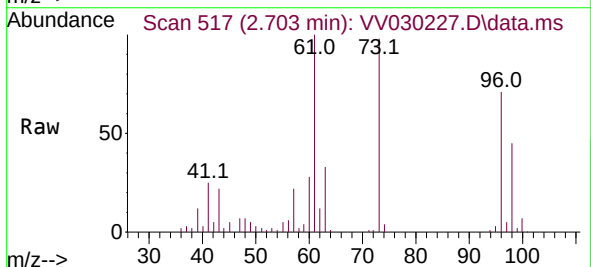
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

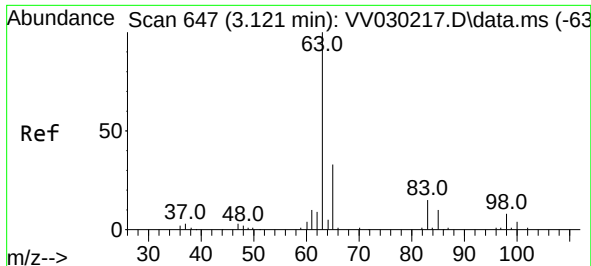
Tgt Ion: 73 Resp: 87524
Ion Ratio Lower Upper
73 100
43 22.4 13.4 20.2#
57 22.5 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 3.930 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 96 Resp: 36924
Ion Ratio Lower Upper
96 100
61 140.9 91.0 169.0
98 63.6 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.572 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

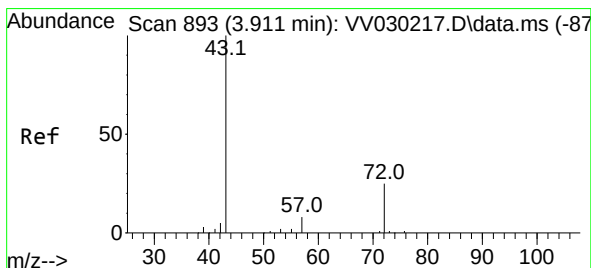
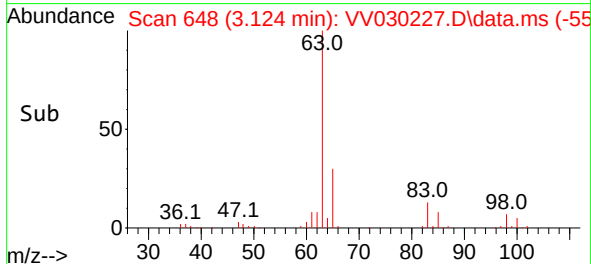
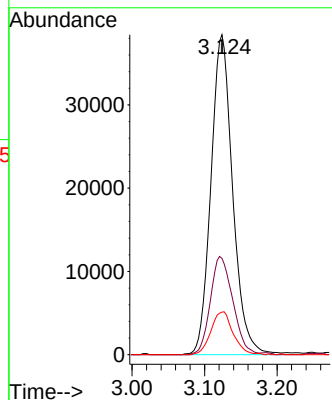
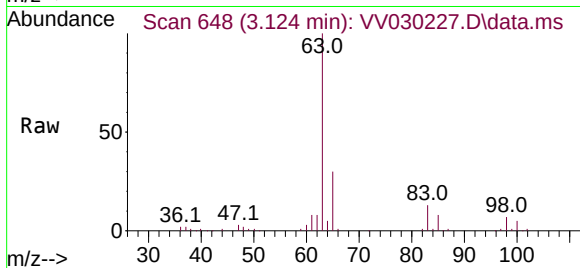
Tgt Ion: 63 Resp: 80015

Ion Ratio Lower Upper

63 100

65 30.1 23.0 42.8

83 13.3 9.6 17.8



#21

2-Butanone

Concen: 53.566 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.016 min

Lab File: VV030227.D

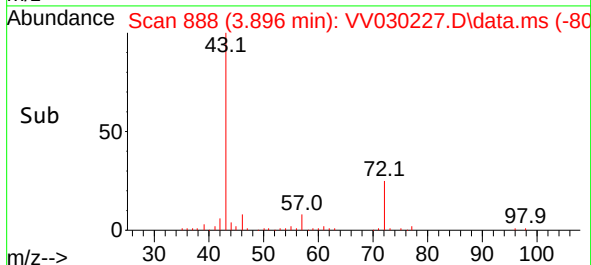
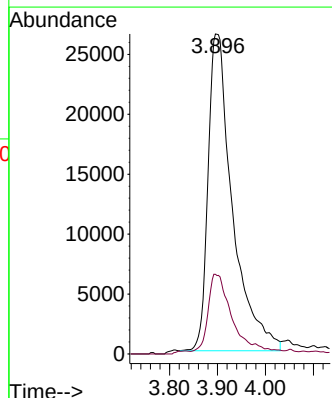
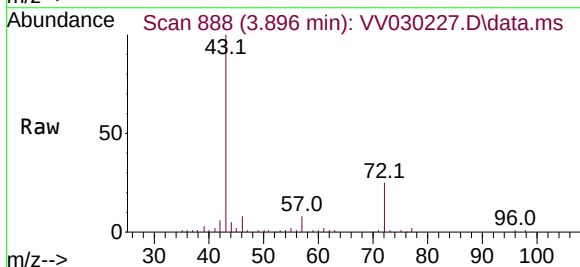
Acq: 16 Mar 2023 16:55

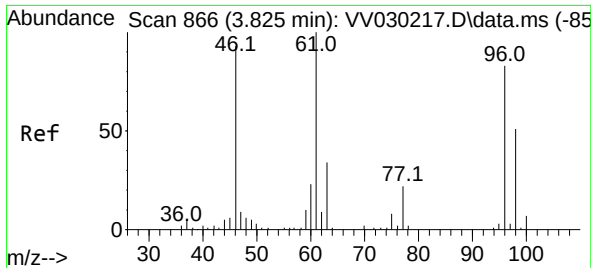
Tgt Ion: 43 Resp: 93475

Ion Ratio Lower Upper

43 100

72 22.0 15.1 45.3

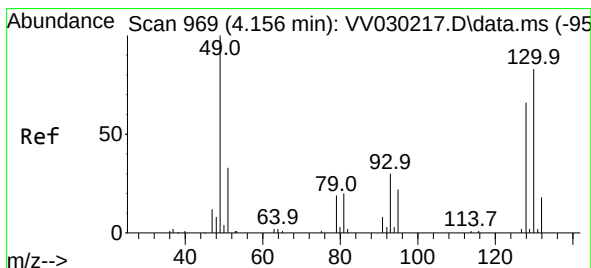
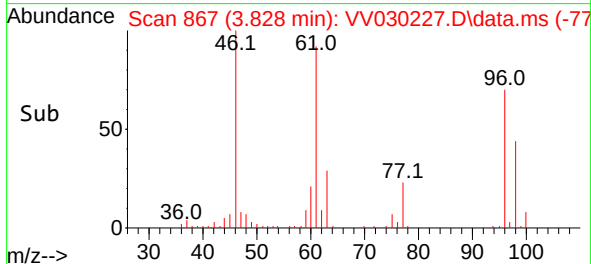
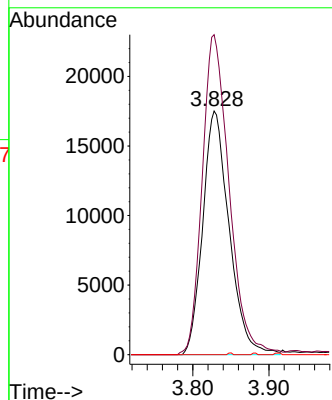
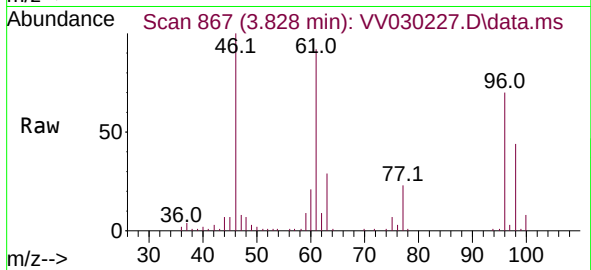




#22
 cis-1,2-Dichloroethene
 Concen: 4.069 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

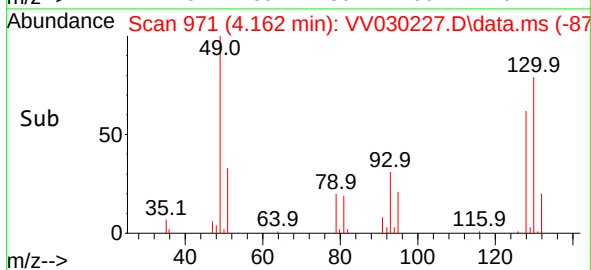
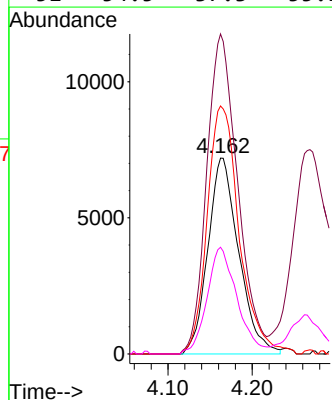
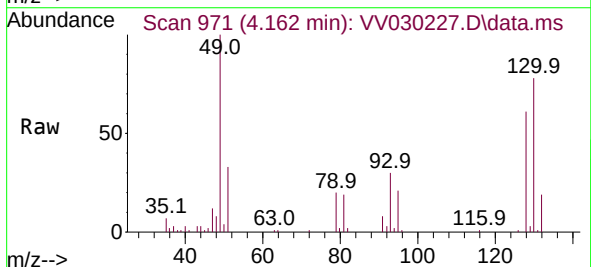
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

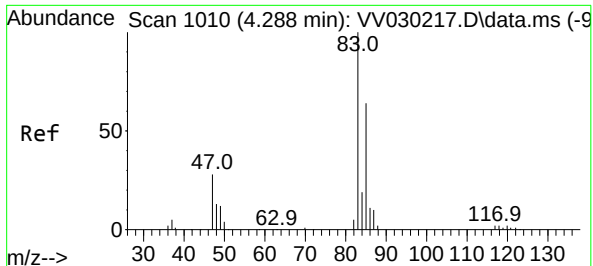
Tgt Ion: 96 Resp: 42252
 Ion Ratio Lower Upper
 96 100
 61 131.3 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.126 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.007 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

Tgt Ion: 128 Resp: 18310
 Ion Ratio Lower Upper
 128 100
 49 163.4 99.5 184.9
 130 126.6 90.5 168.1
 51 54.5 37.3 55.9

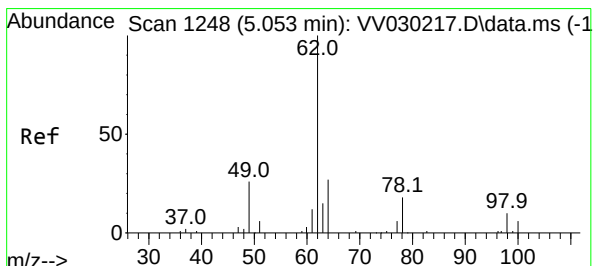
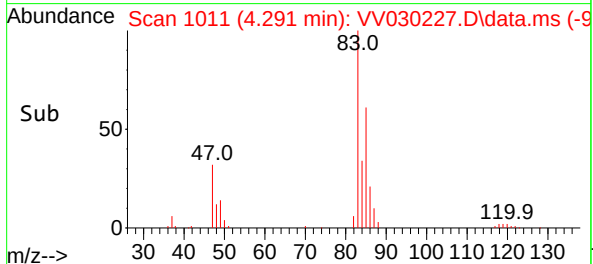
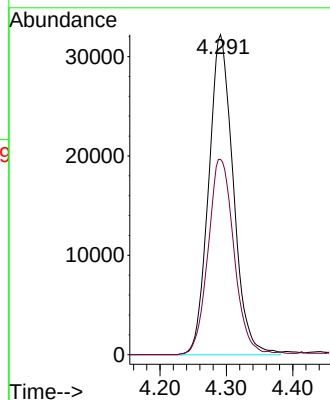
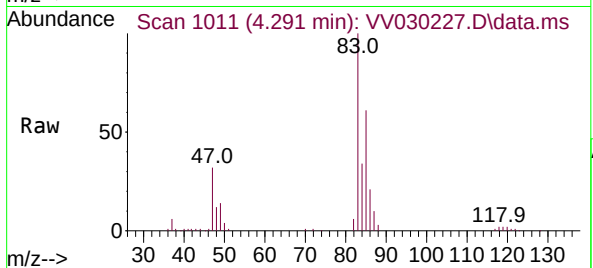




#25
Chloroform
Concen: 4.550 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

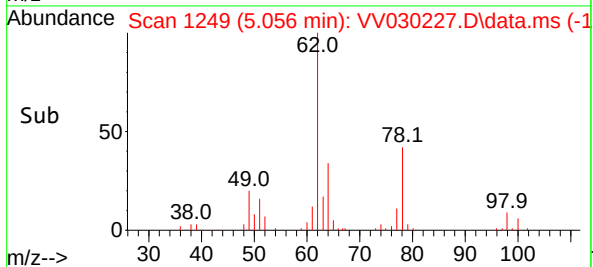
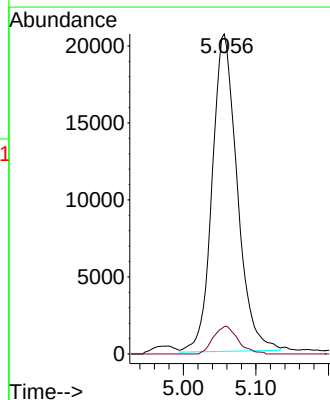
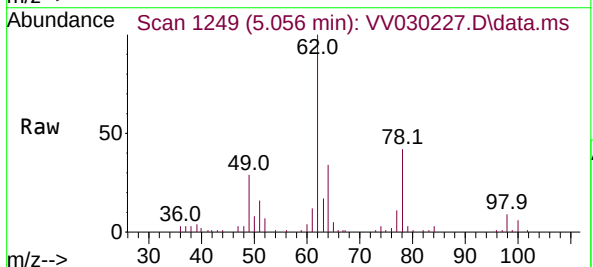
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

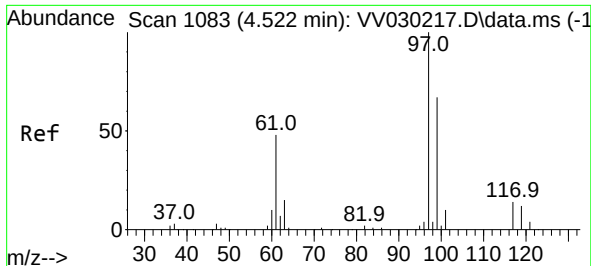
Tgt Ion: 83 Resp: 82831
Ion Ratio Lower Upper
83 100
85 61.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.201 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 62 Resp: 49530
Ion Ratio Lower Upper
62 100
98 8.5 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 4.418 ug/L

RT: 4.526 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

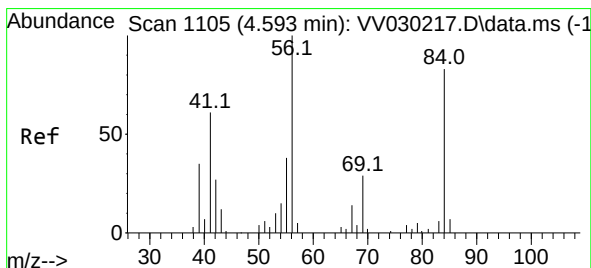
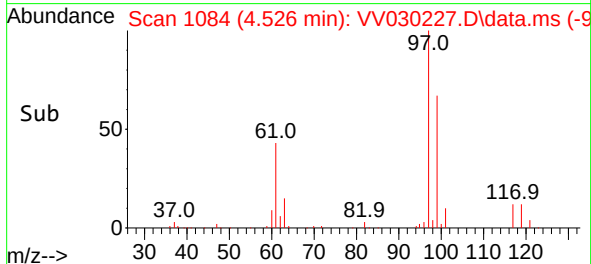
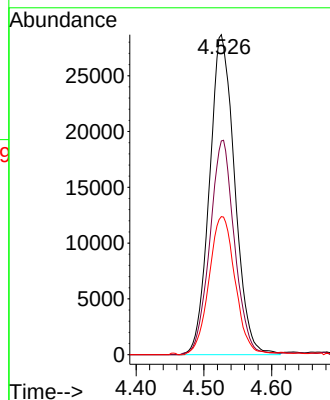
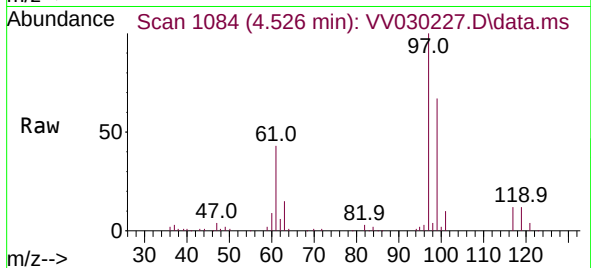
Tgt Ion: 97 Resp: 74016

Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 44.8 31.5 47.3



#30

Cyclohexane

Concen: 3.972 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

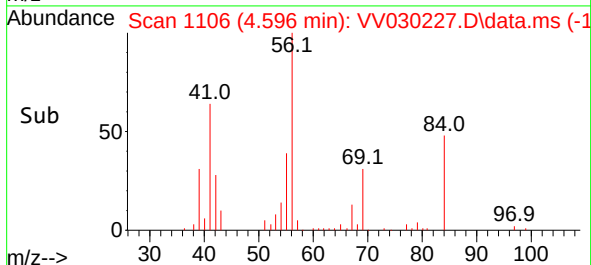
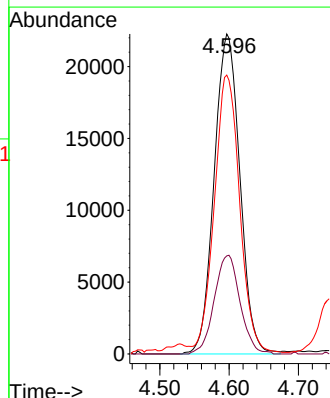
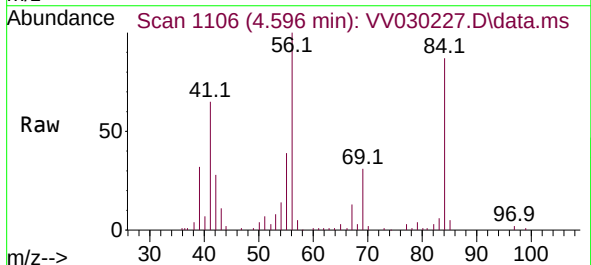
Tgt Ion: 56 Resp: 57486

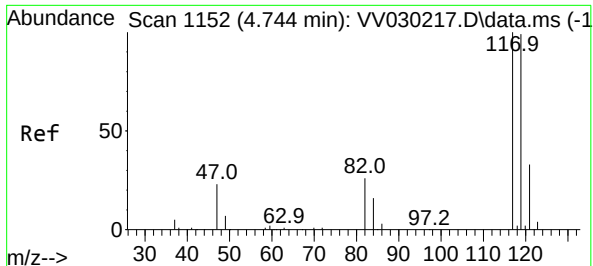
Ion Ratio Lower Upper

56 100

69 30.9 25.1 37.7

84 85.3 74.6 111.8

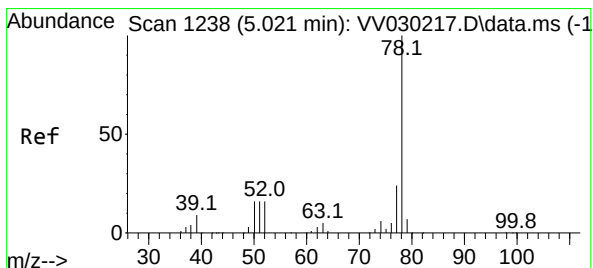
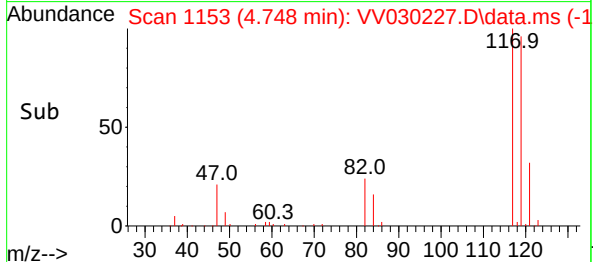
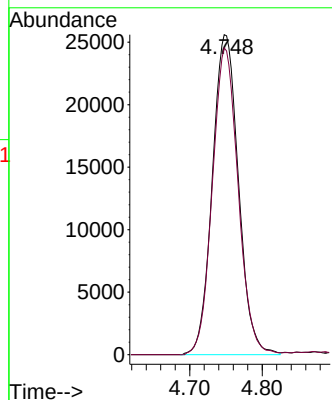
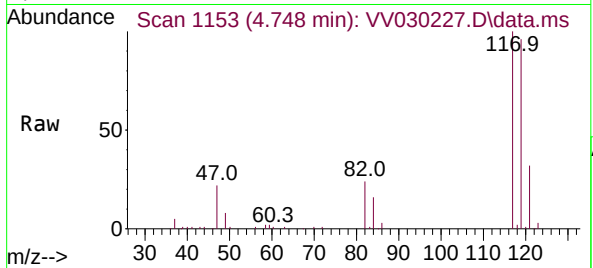




#31
Carbon tetrachloride
Concen: 4.244 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

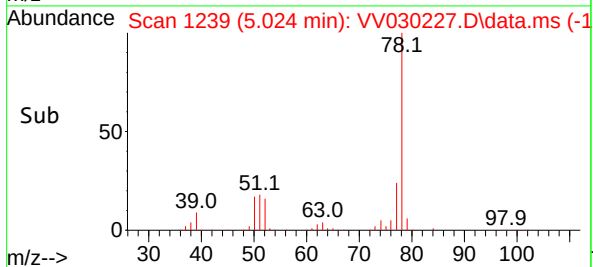
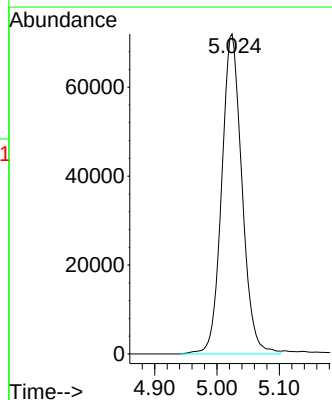
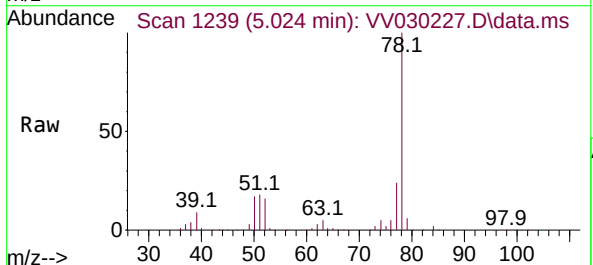
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

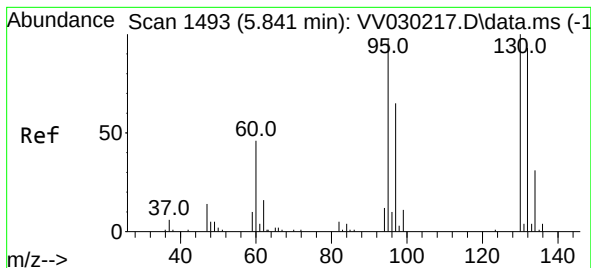
Tgt Ion:117 Resp: 63906
Ion Ratio Lower Upper
117 100
119 94.9 76.1 114.1



#33
Benzene
Concen: 4.171 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 78 Resp: 162447





#34

Trichloroethene

Concen: 3.923 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

Tgt Ion: 95 Resp: 42814

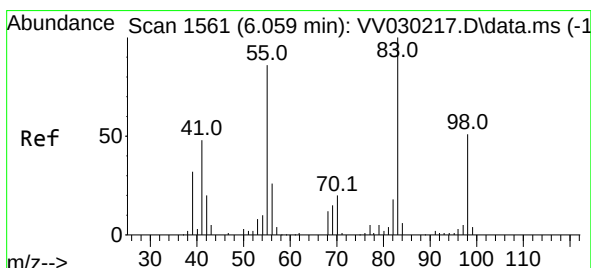
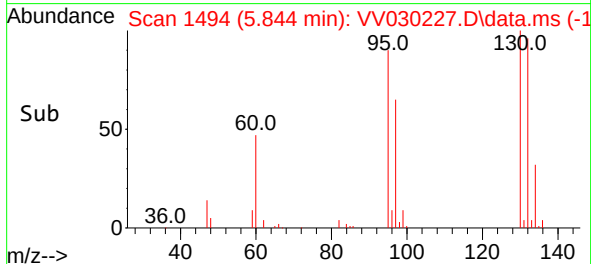
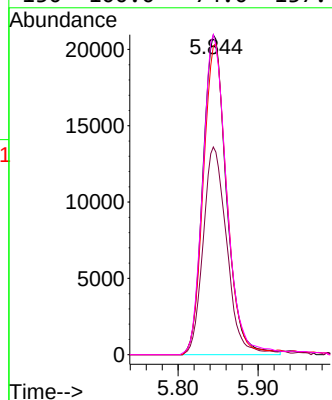
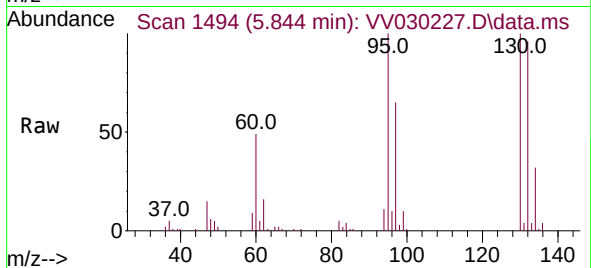
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.5

132 96.5 71.7 133.3

130 100.0 74.0 137.4



#35

Methylcyclohexane

Concen: 3.663 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

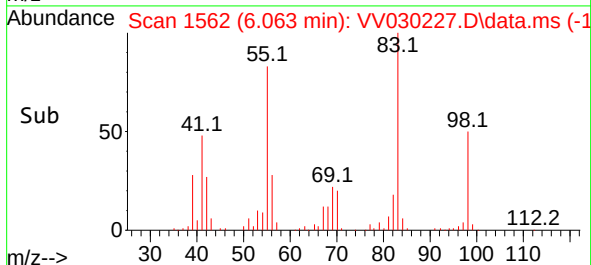
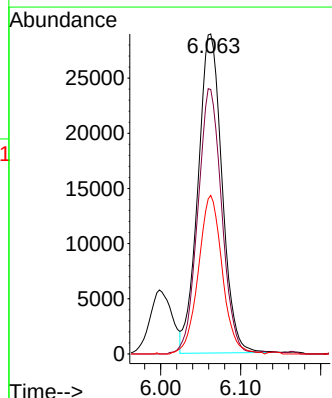
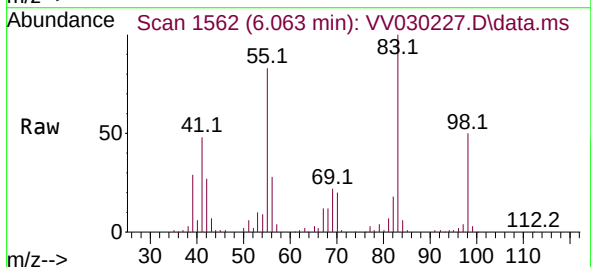
Tgt Ion: 83 Resp: 60502

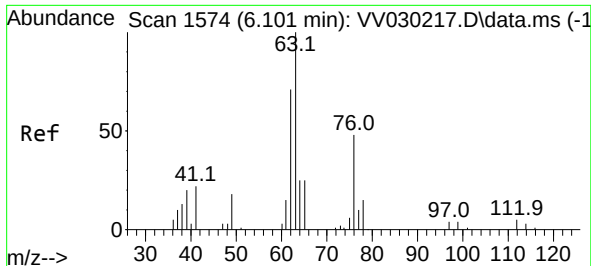
Ion Ratio Lower Upper

83 100

55 82.6 57.6 86.4

98 49.4 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.345 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

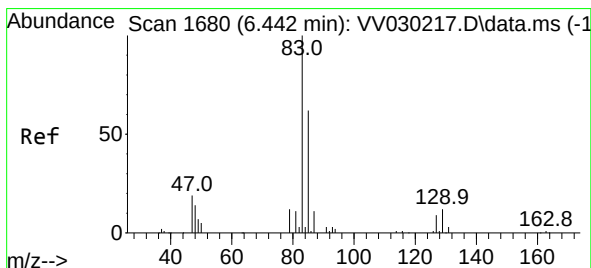
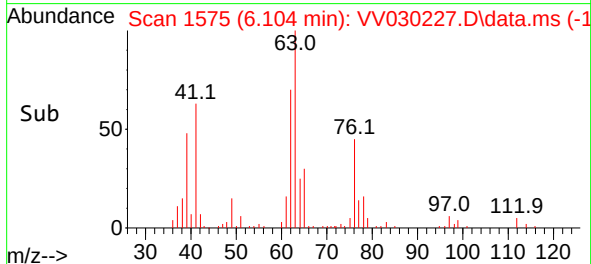
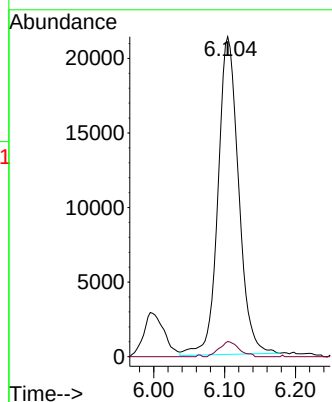
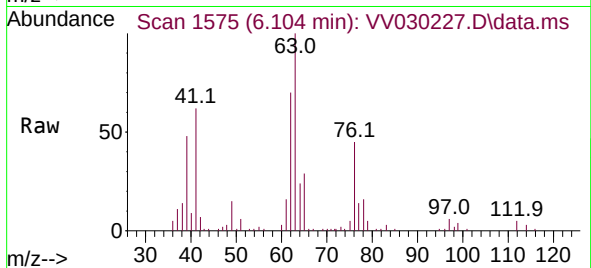
VSTD005305

Tgt Ion: 63 Resp: 43053

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 4.454 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

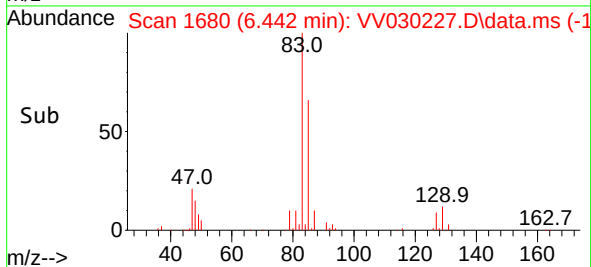
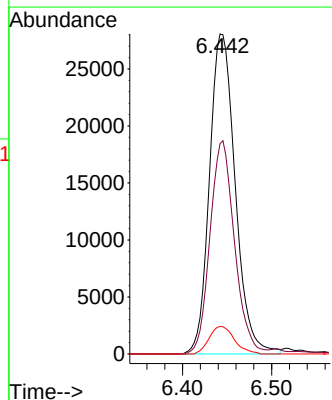
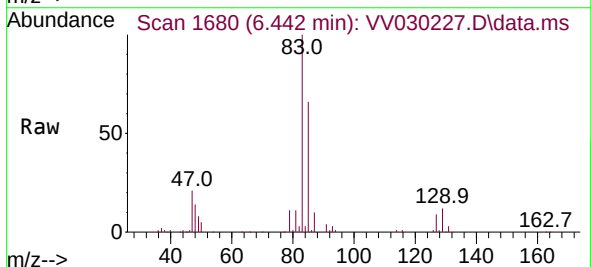
Tgt Ion: 83 Resp: 56334

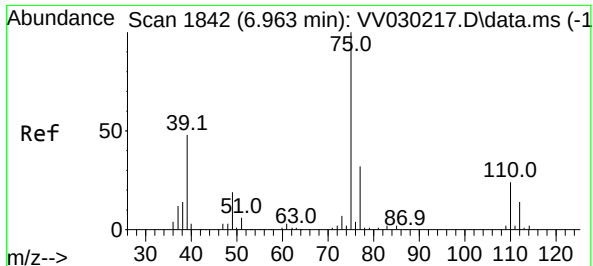
Ion Ratio Lower Upper

83 100

85 65.7 44.3 82.3

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 3.877 ug/L

RT: 6.966 min Scan# 1842

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

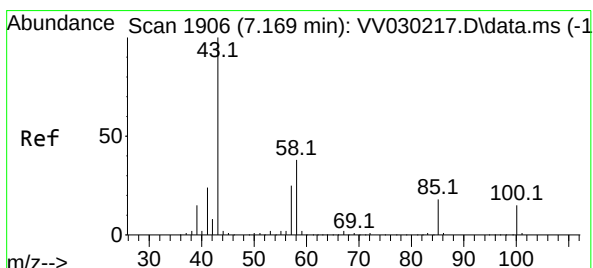
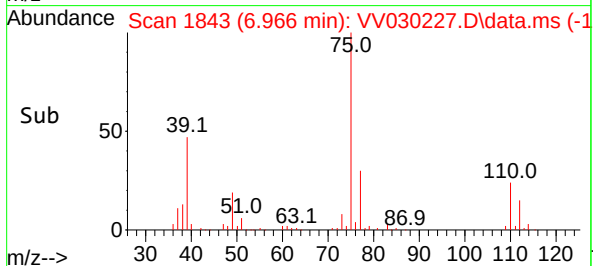
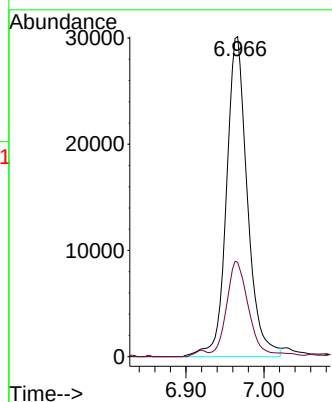
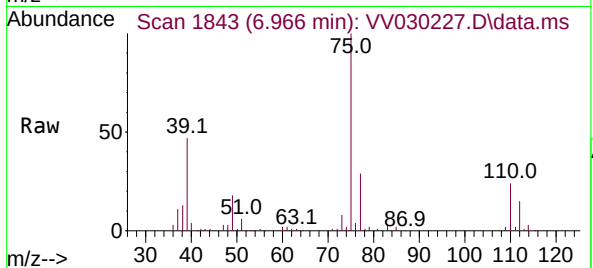
VSTD005305

Tgt Ion: 75 Resp: 56239

Ion Ratio Lower Upper

75 100

77 29.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 58.439 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

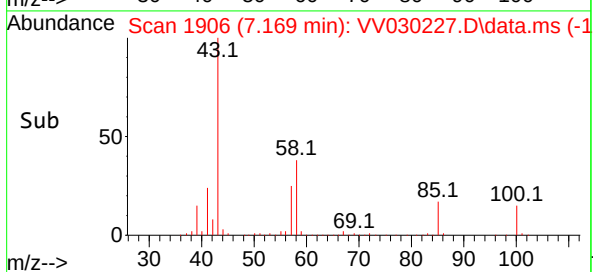
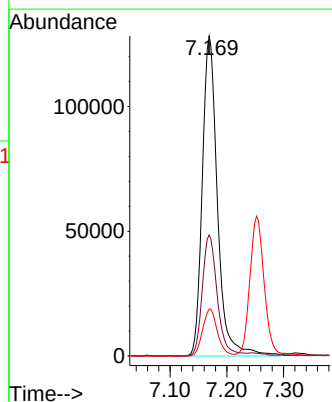
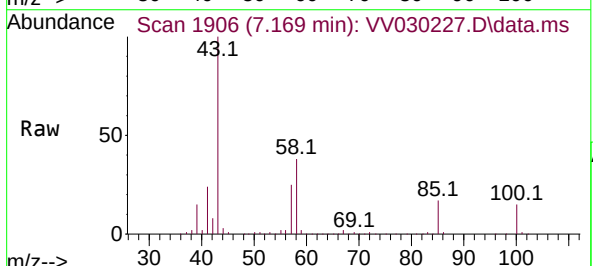
Tgt Ion: 43 Resp: 238930

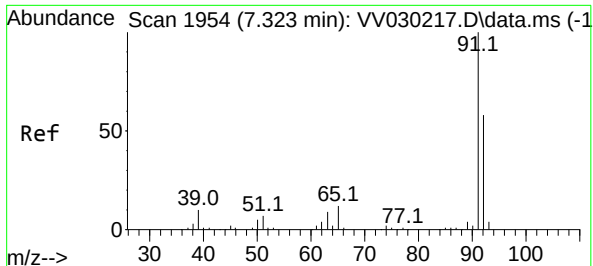
Ion Ratio Lower Upper

43 100

58 37.4 35.3 52.9

100 14.2 14.7 22.1#





#42

Toluene

Concen: 4.258 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

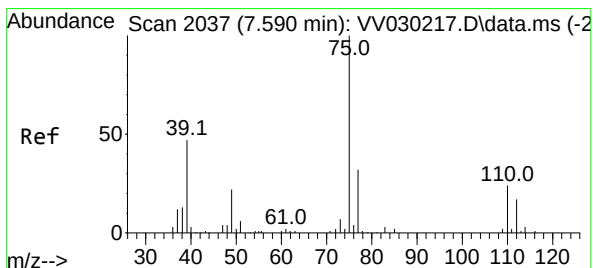
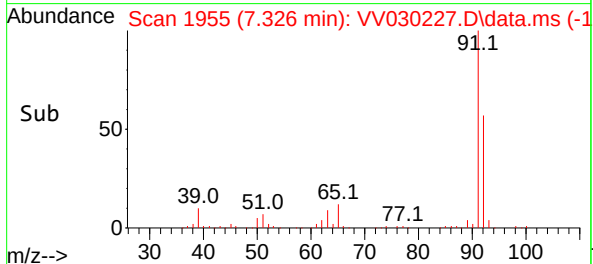
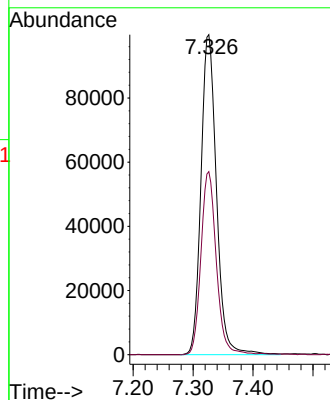
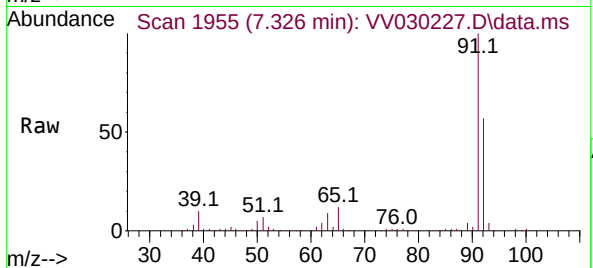
VSTD005305

Tgt Ion: 91 Resp: 179618

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.198 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030227.D

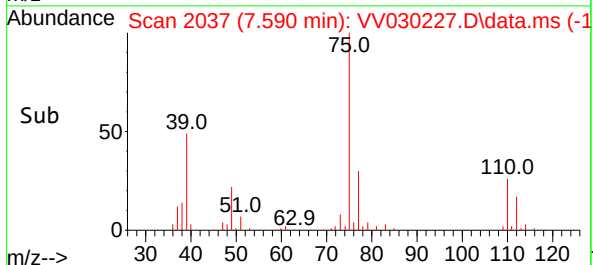
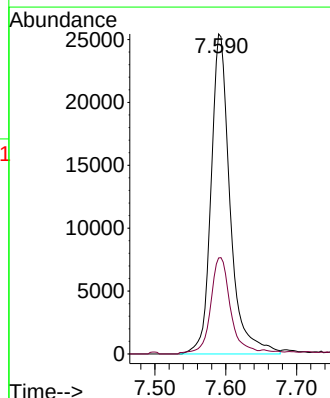
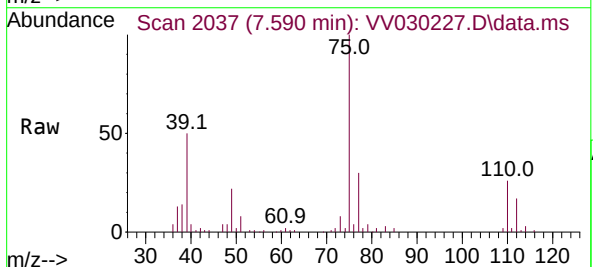
Acq: 16 Mar 2023 16:55

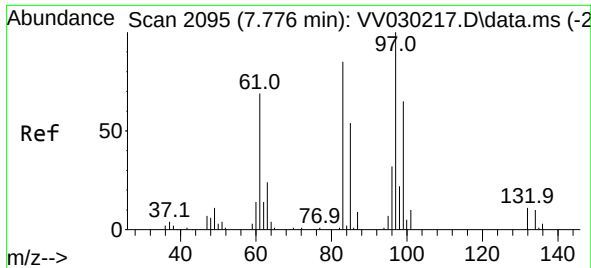
Tgt Ion: 75 Resp: 47527

Ion Ratio Lower Upper

75 100

77 30.0 22.1 41.1

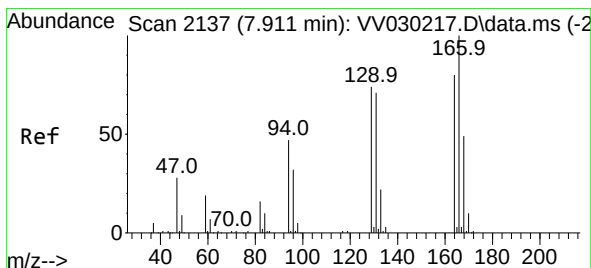
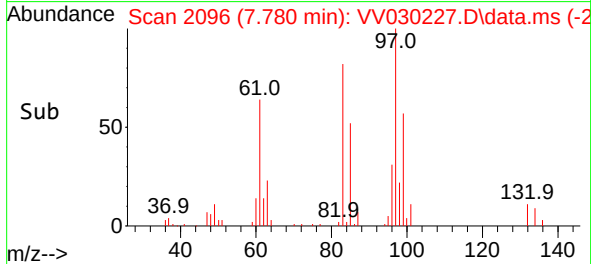
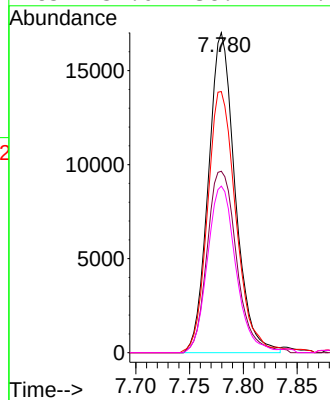
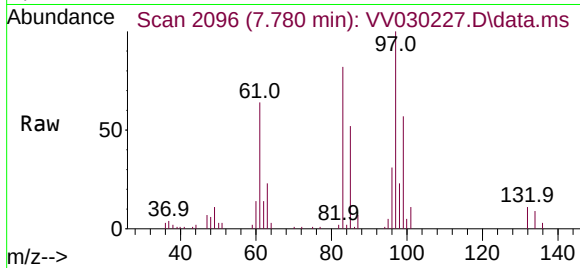




#45
1,1,2-Trichloroethane
Concen: 4.154 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

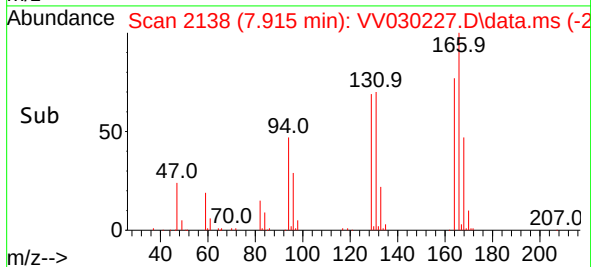
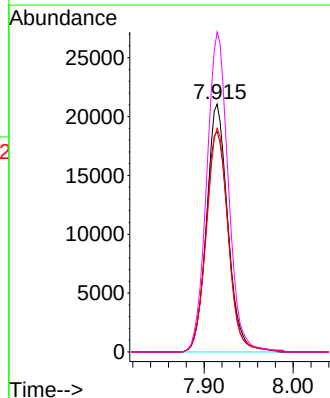
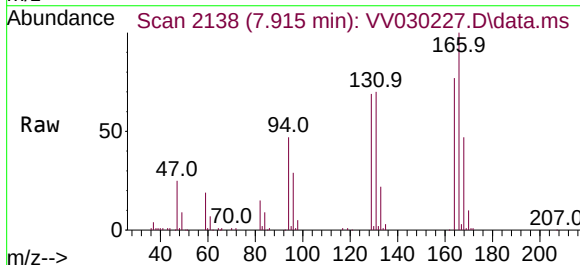
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

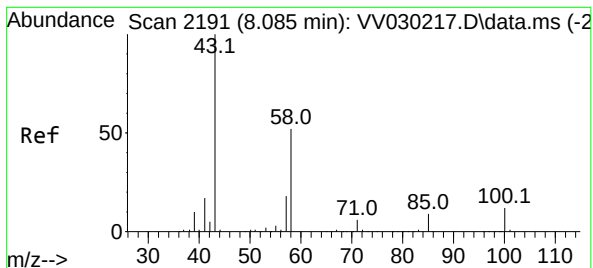
Tgt Ion: 97	Resp: 29447
Ion Ratio	Lower Upper
97 100	
99 56.7	42.6 79.2
83 81.6	57.7 107.3
85 52.0	38.9 72.2



#47
Tetrachloroethene
Concen: 3.726 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt	Ion:164	Resp:	34906
Ion	Ratio	Lower	Upper
164	100		
129	88.9	63.6	118.2
131	90.3	61.7	114.7
166	129.1	90.8	168.6





#48

2-Hexanone

Concen: 57.474 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

Tgt Ion: 43 Resp: 168225

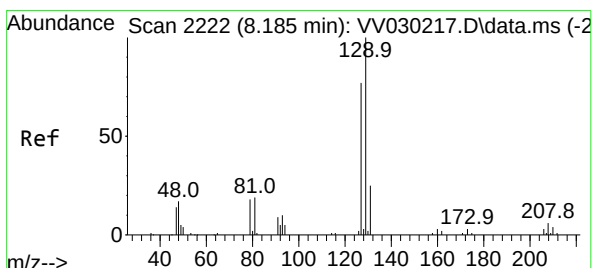
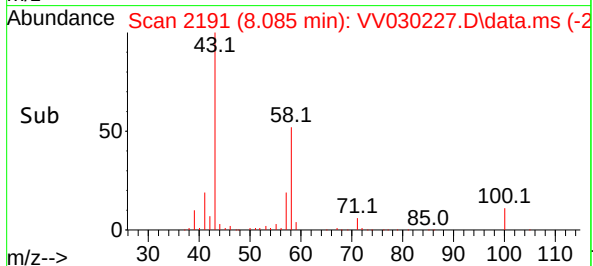
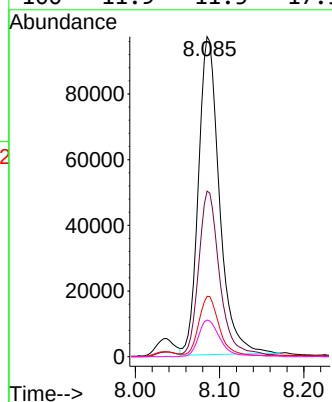
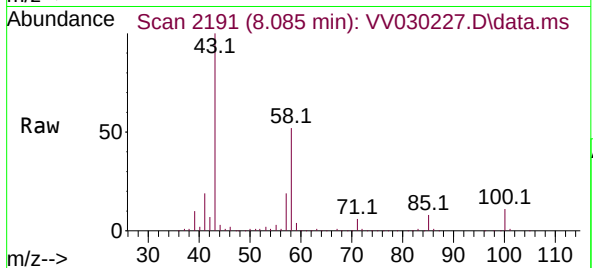
Ion Ratio Lower Upper

43 100

58 52.1 49.8 74.8

57 18.7 16.6 24.8

100 11.9 11.5 17.3



#49

Dibromochloromethane

Concen: 4.189 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030227.D

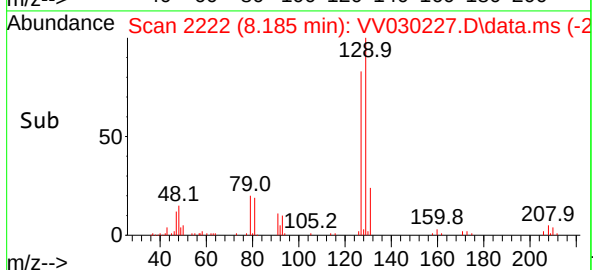
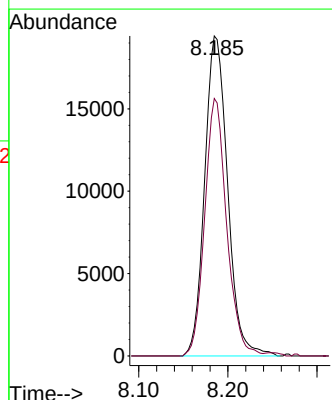
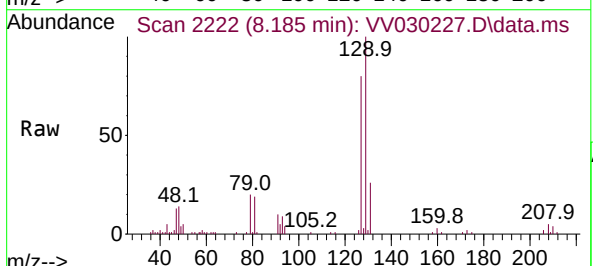
Acq: 16 Mar 2023 16:55

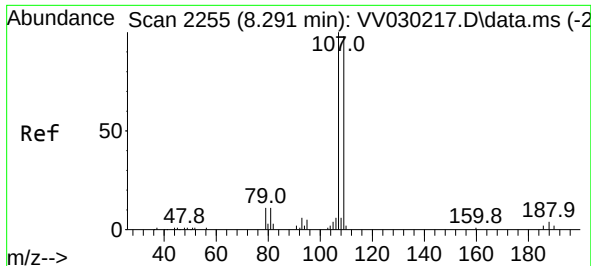
Tgt Ion:129 Resp: 34750

Ion Ratio Lower Upper

129 100

127 80.4 54.7 101.5





#50

1,2-Dibromoethane

Concen: 4.110 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

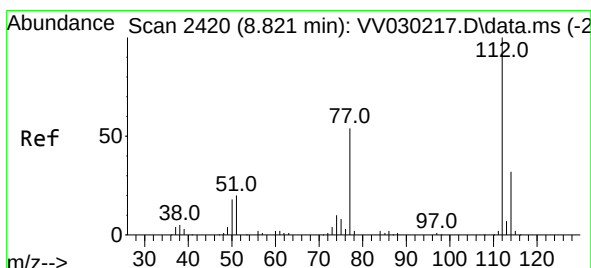
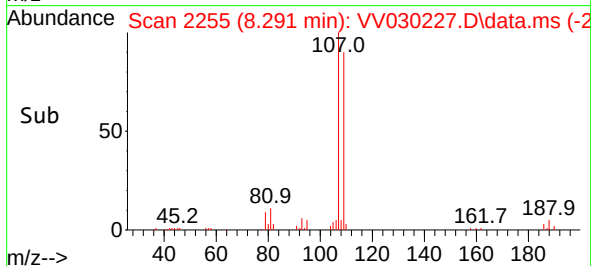
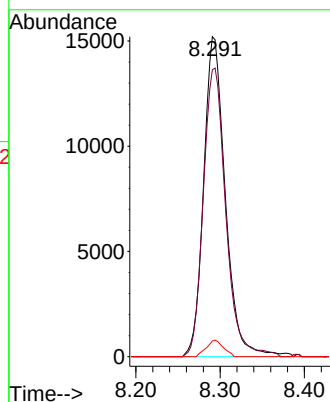
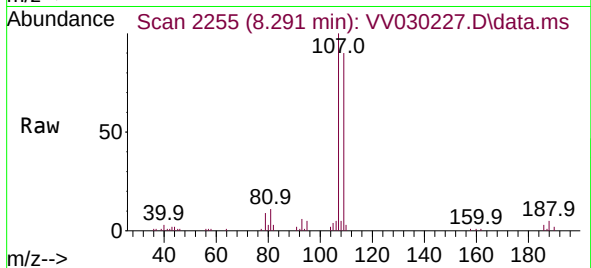
Tgt Ion:107 Resp: 27189

Ion Ratio Lower Upper

107 100

109 89.7 63.3 117.7

188 4.9 3.0 4.6#



#51

Chlorobenzene

Concen: 4.047 ug/L

RT: 8.825 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

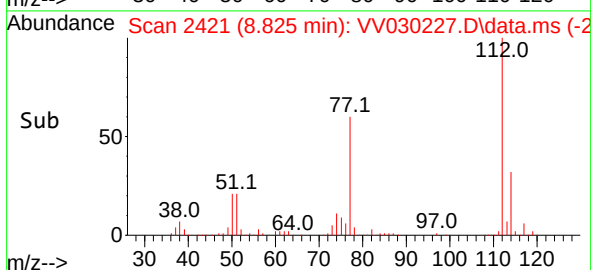
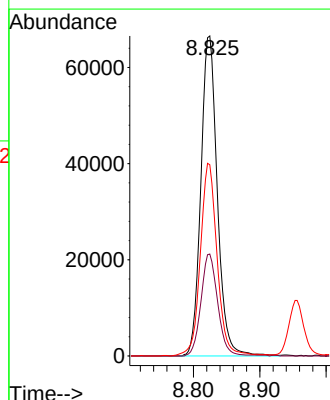
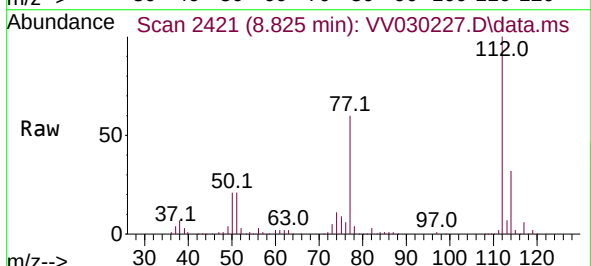
Tgt Ion:112 Resp: 115128

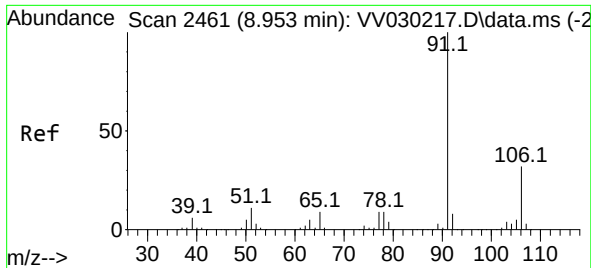
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 59.8 45.3 67.9

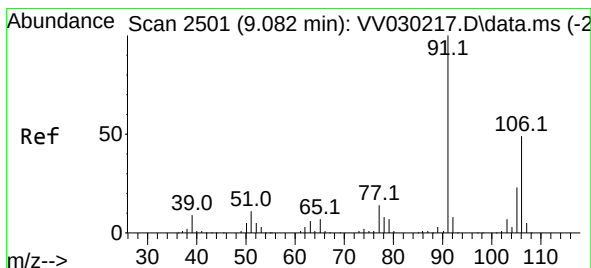
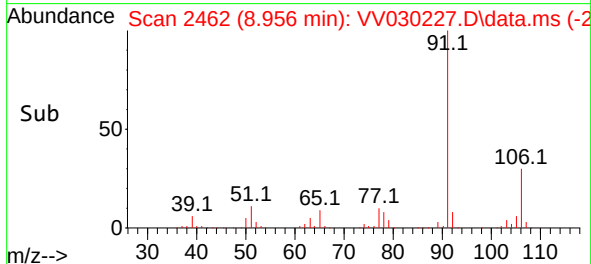
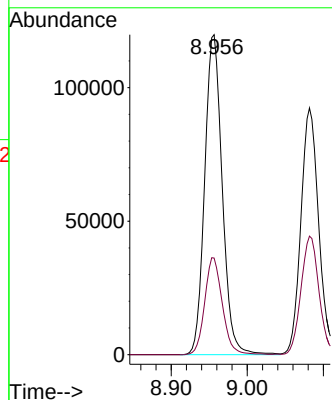
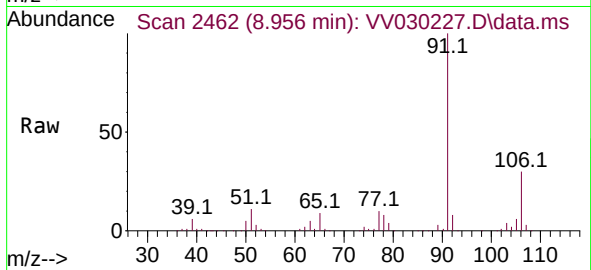




#52
Ethylbenzene
Concen: 4.191 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

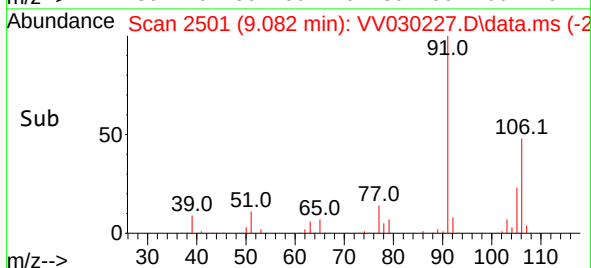
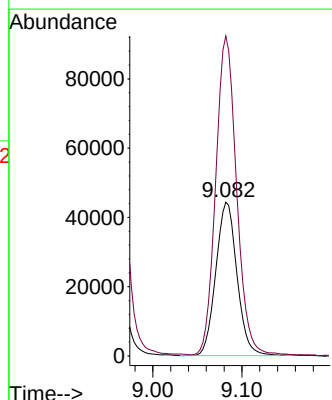
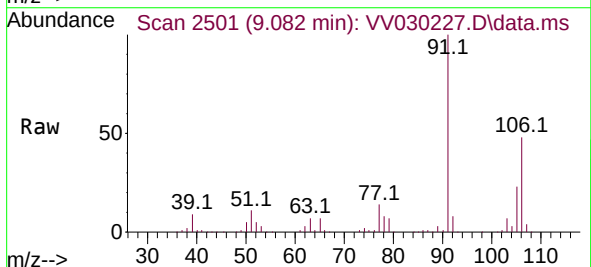
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

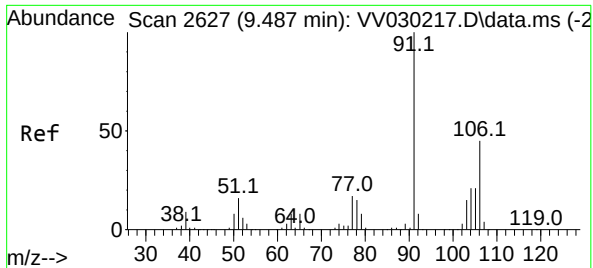
Tgt Ion: 91 Resp: 192410
Ion Ratio Lower Upper
91 100
106 30.2 22.0 40.8



#53
m,p-Xylene
Concen: 4.139 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 106 Resp: 73023
Ion Ratio Lower Upper
106 100
91 208.0 142.5 264.7

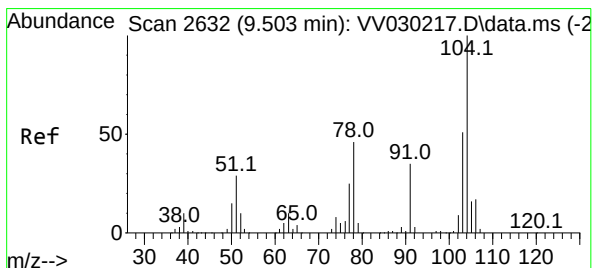
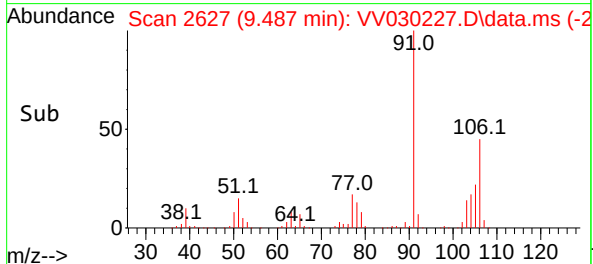
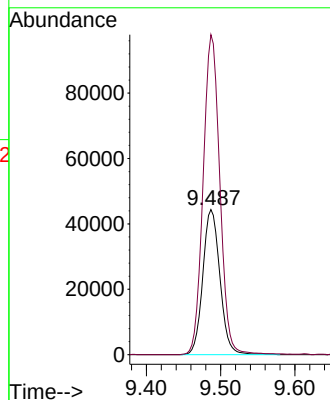
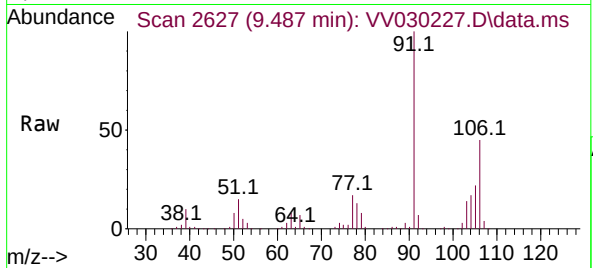




#54
o-Xylene
Concen: 4.221 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

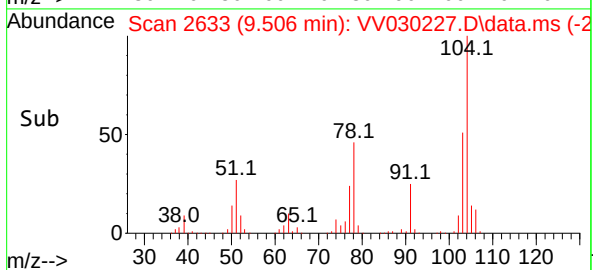
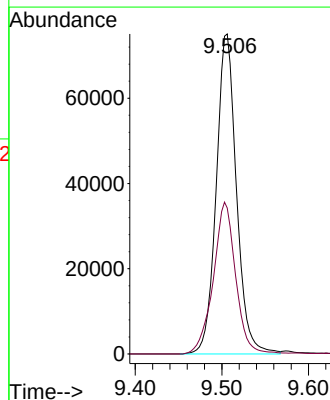
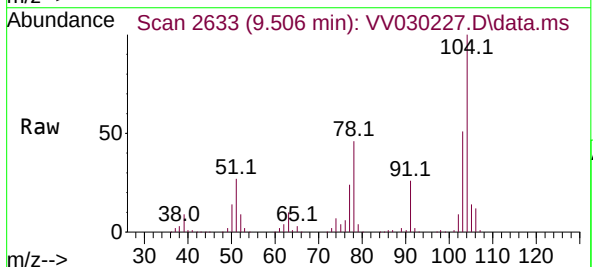
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

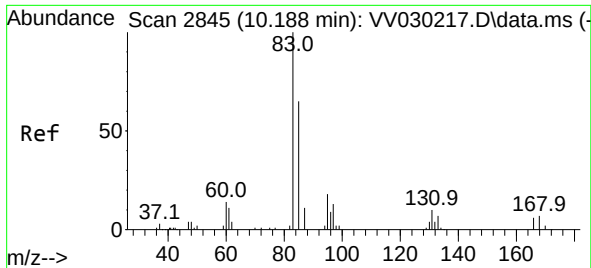
Tgt Ion:106 Resp: 71143
Ion Ratio Lower Upper
106 100
91 220.5 148.8 276.4



#55
Styrene
Concen: 4.348 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion:104 Resp: 121864
Ion Ratio Lower Upper
104 100
78 45.6 31.1 57.9

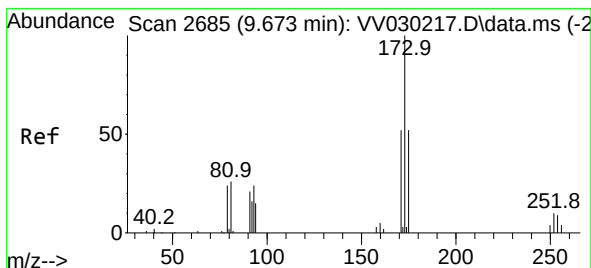
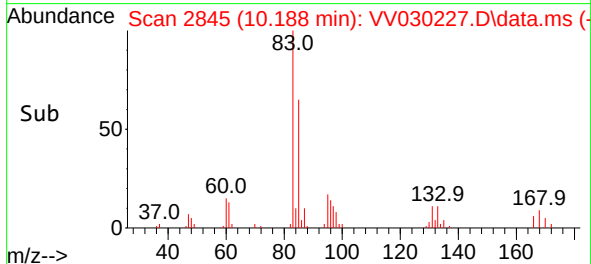
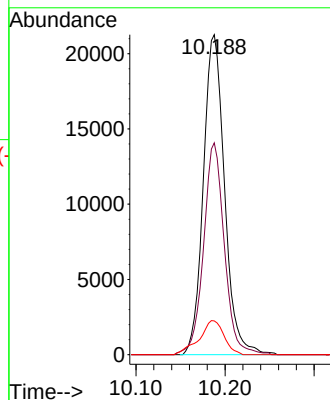
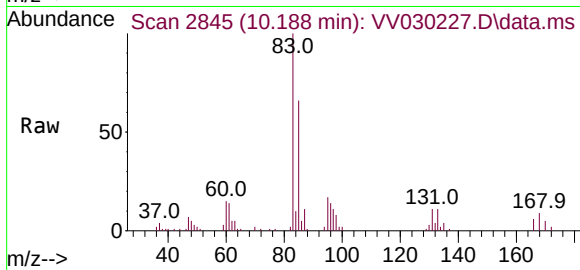




#57
1,1,2,2-Tetrachloroethane
Concen: 4.435 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

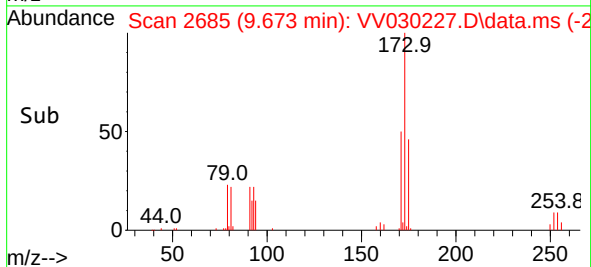
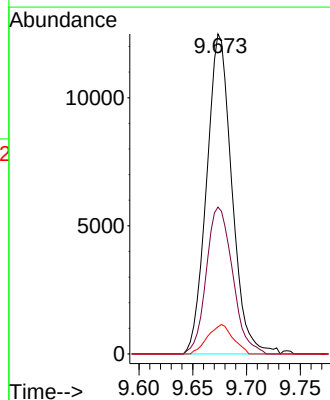
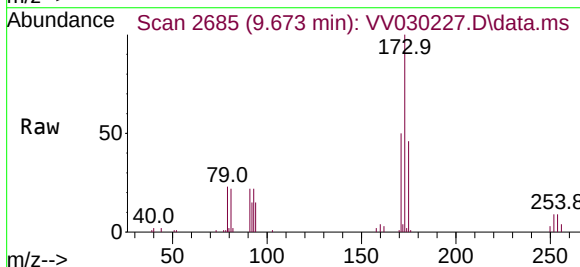
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

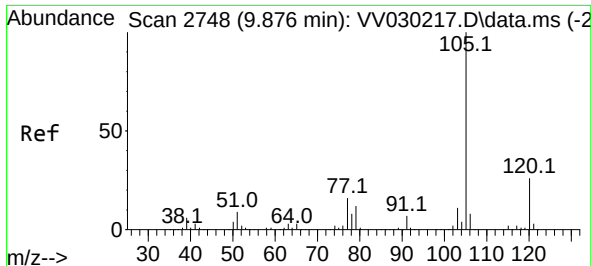
Tgt Ion:	83	Resp:	35172
Ion	Ratio	Lower	Upper
83	100		
85	66.2	45.0	83.6
131	10.6	8.2	12.4



#59
Bromoform
Concen: 3.995 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion:	173	Resp:	20400
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.5	57.7
254	9.2	8.6	13.0

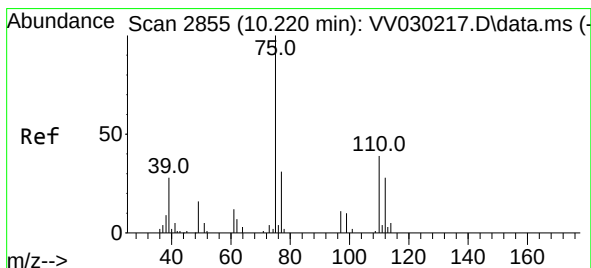
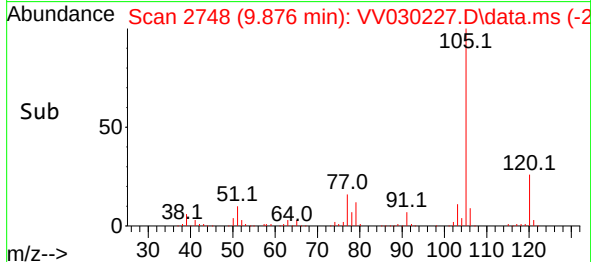
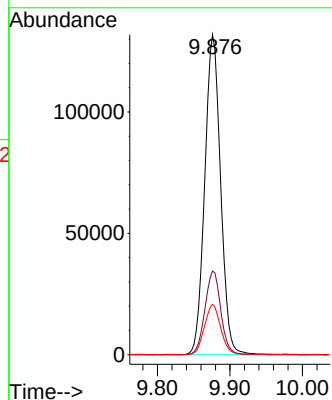
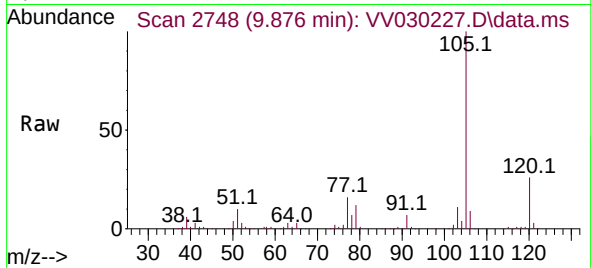




#60
Isopropylbenzene
Concen: 4.091 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

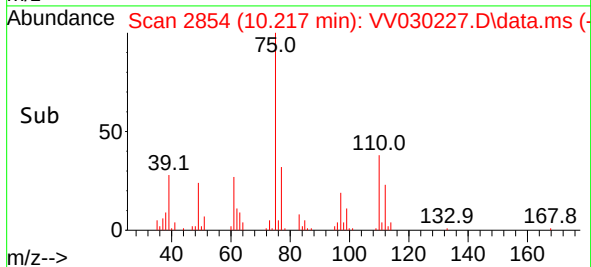
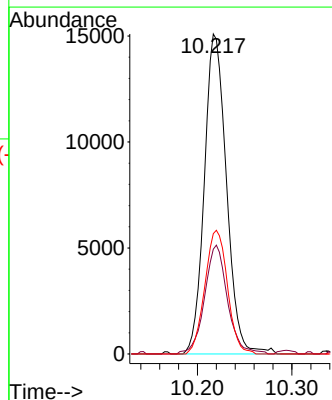
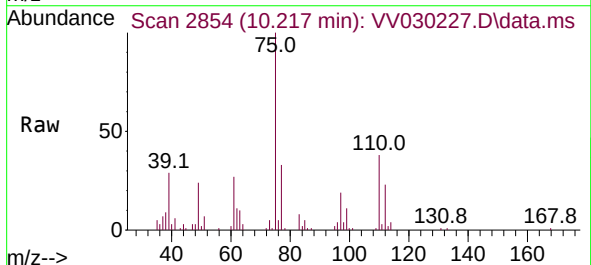
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

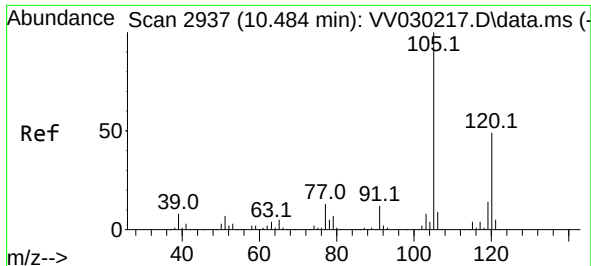
Tgt Ion:105 Resp: 200559
Ion Ratio Lower Upper
105 100
120 26.1 21.4 32.0
77 16.2 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.312 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 75 Resp: 24589
Ion Ratio Lower Upper
75 100
77 35.1 26.5 39.7
110 39.3 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 3.970 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

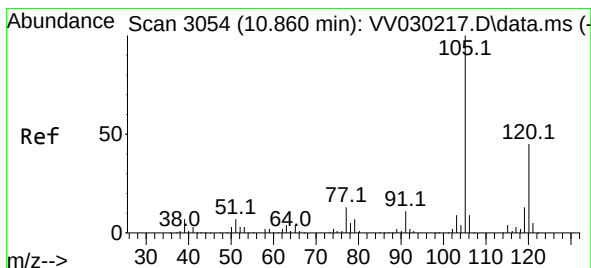
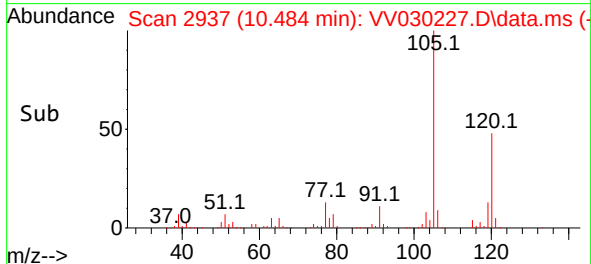
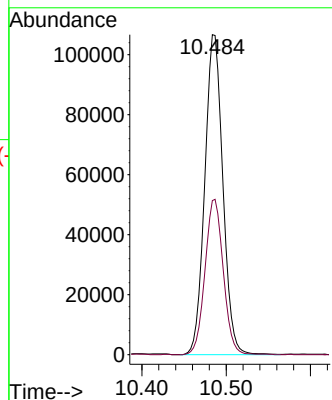
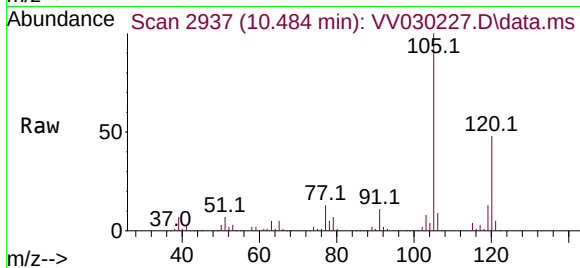
VSTD005305

Tgt Ion:105 Resp: 159837

Ion Ratio Lower Upper

105 100

120 49.0 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.069 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030227.D

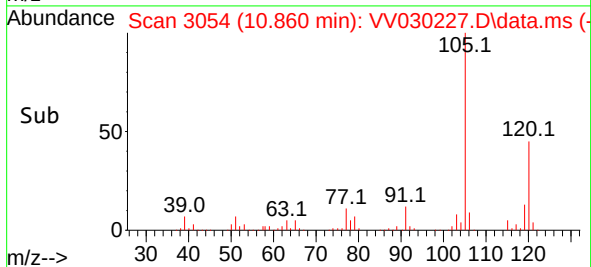
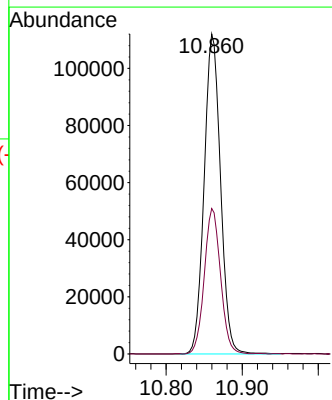
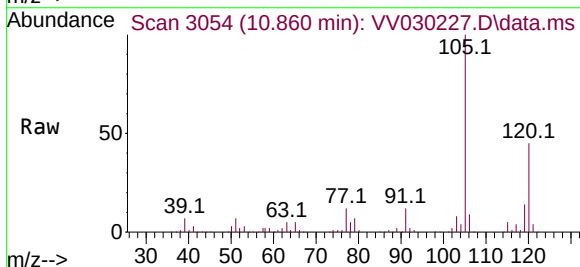
Acq: 16 Mar 2023 16:55

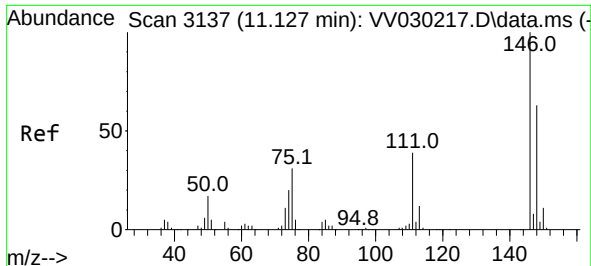
Tgt Ion:105 Resp: 167602

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

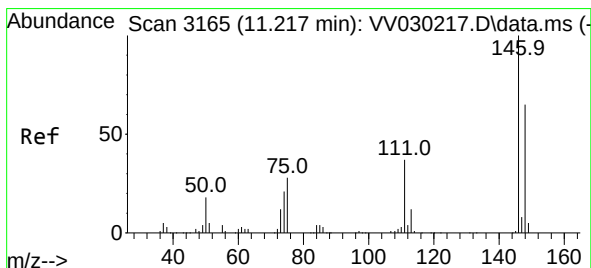
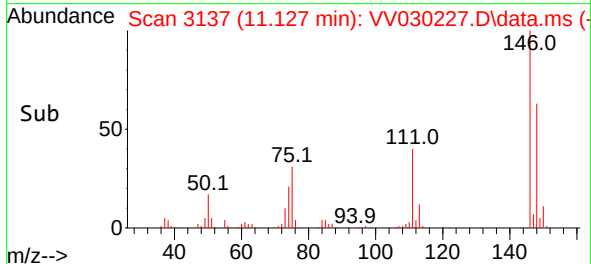
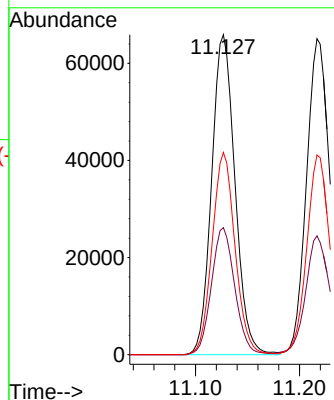
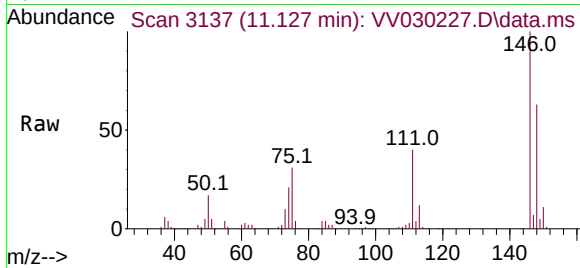




#64
 1,3-Dichlorobenzene
 Concen: 4.025 ug/L
 RT: 11.127 min Scan# 3137
 Delta R.T. 0.000 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

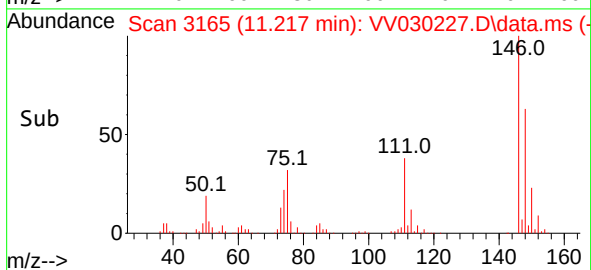
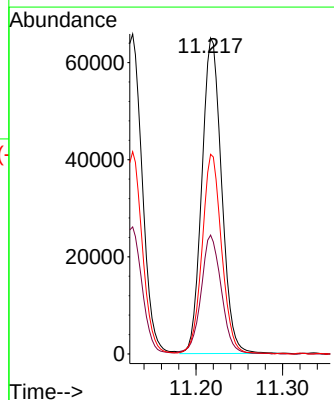
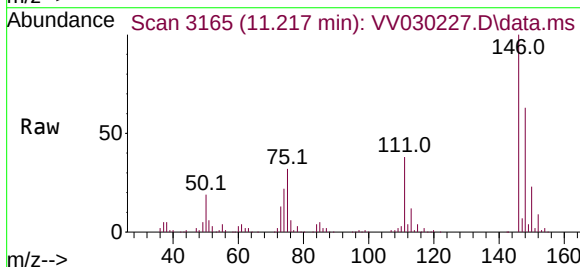
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

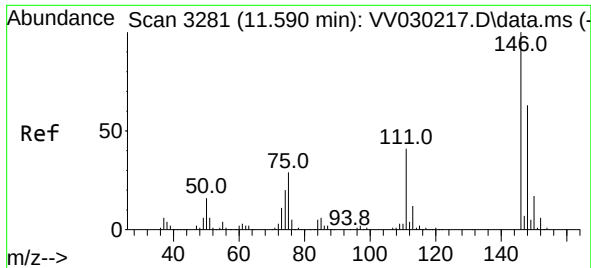
Tgt Ion:146 Resp: 102722
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 63.2 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 4.001 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV030227.D
 Acq: 16 Mar 2023 16:55

Tgt Ion:146 Resp: 103022
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.4 51.0
 148 63.2 44.1 81.9

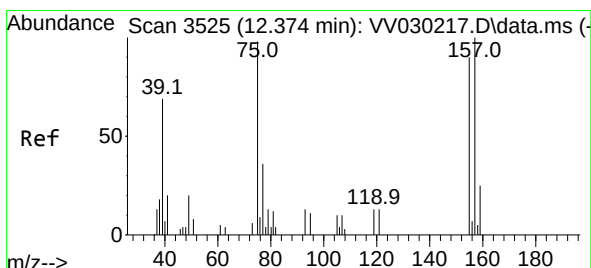
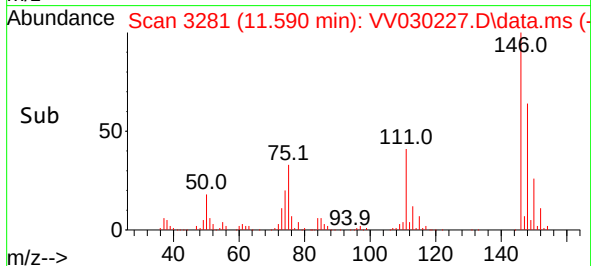
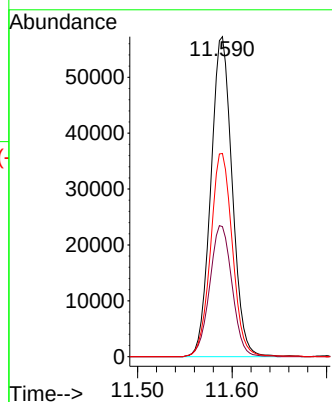
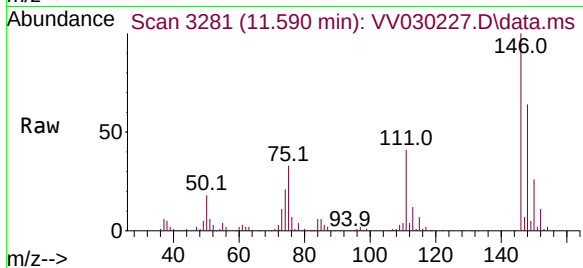




#67
1,2-Dichlorobenzene
Concen: 3.990 ug/L
RT: 11.590 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

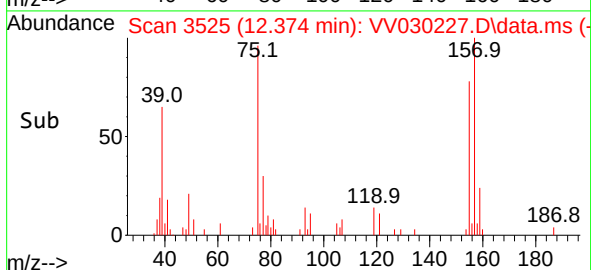
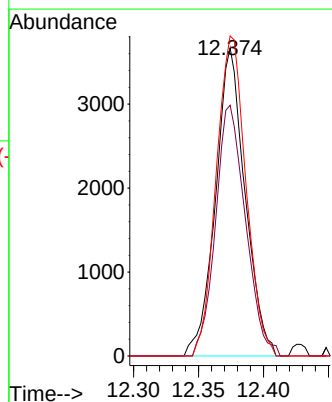
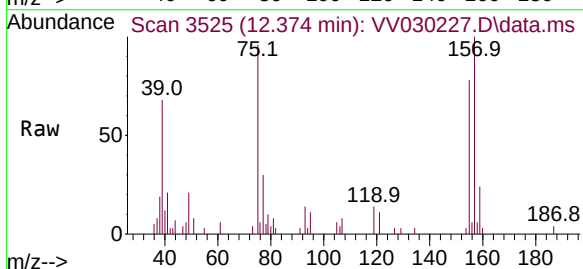
Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

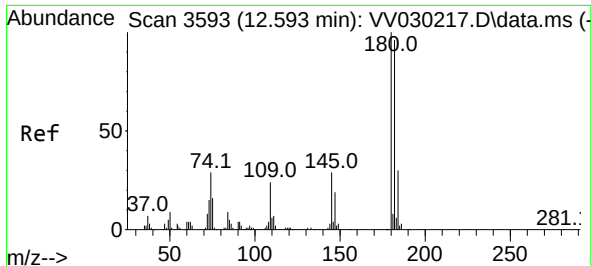
Tgt Ion:146 Resp: 89914
Ion Ratio Lower Upper
146 100
111 40.6 33.5 50.3
148 63.5 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.545 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion: 75 Resp: 5788
Ion Ratio Lower Upper
75 100
155 81.3 79.1 118.7
157 103.8 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 3.726 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD005305

Tgt Ion:180 Resp: 78172

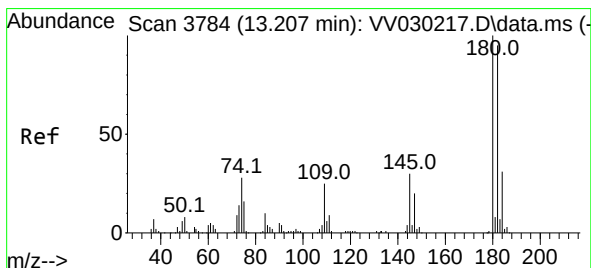
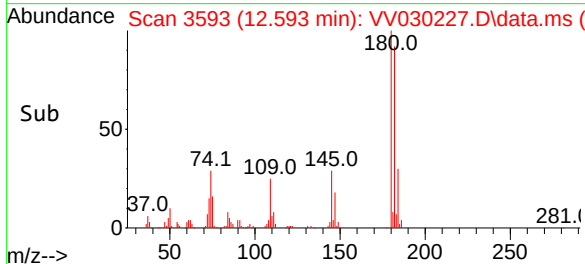
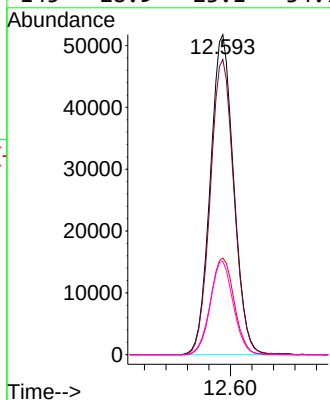
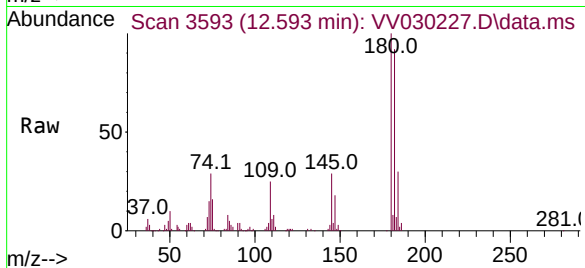
Ion Ratio Lower Upper

180 100

182 93.6 76.5 114.7

184 30.4 24.3 36.5

145 28.9 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 3.657 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030227.D

Acq: 16 Mar 2023 16:55

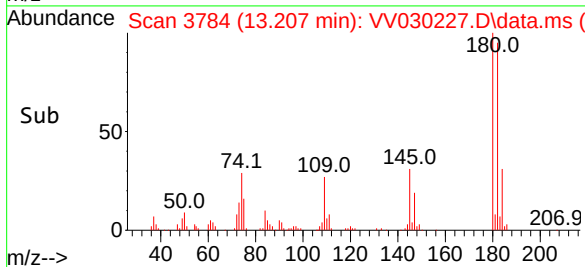
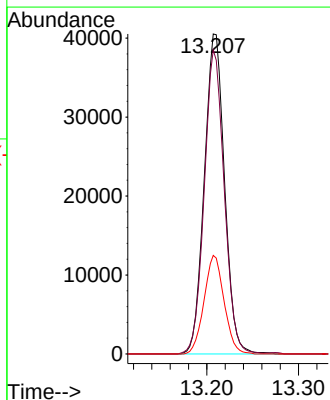
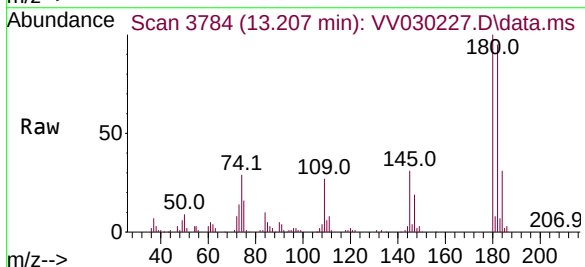
Tgt Ion:180 Resp: 62157

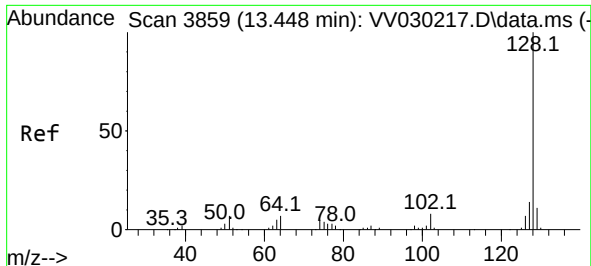
Ion Ratio Lower Upper

180 100

182 93.8 77.3 115.9

145 30.4 23.1 34.7

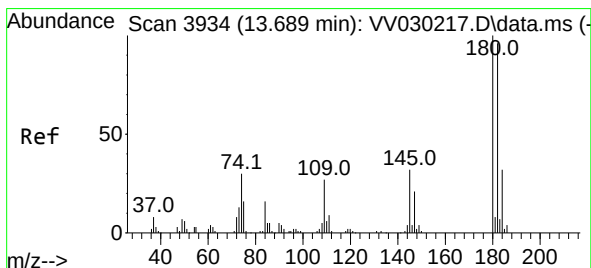
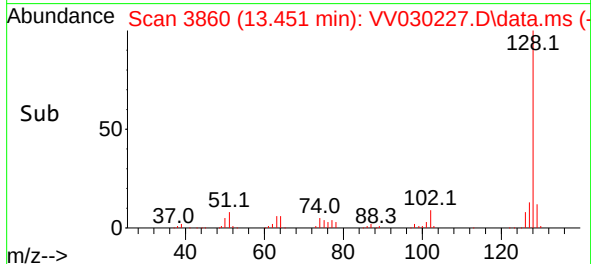
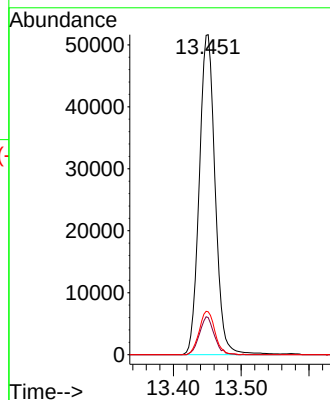
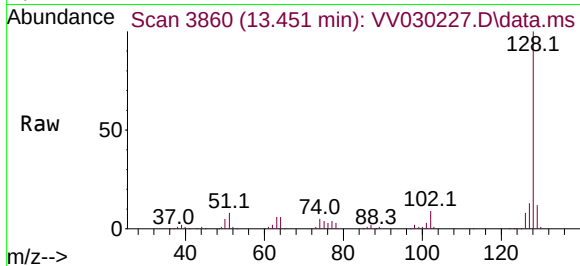




#71
Naphthalene
Concen: 3.776 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

Tgt Ion:128 Resp: 83869
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 3.783 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030227.D
Acq: 16 Mar 2023 16:55

Tgt Ion:180 Resp: 52938
Ion Ratio Lower Upper
180 100
182 92.5 76.2 114.2
145 30.9 25.1 37.7

