

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071323\
 Data File : VW031700.D
 Acq On : 13 Jul 2023 17:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005367

Quant Time: Jul 14 06:07:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 06:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	202140	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	211936	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	110266	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75123	4.196	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.532	69	73276	4.516	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.060	65	38223	4.161	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	3.818	46	219822	48.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.140%
24) Chloroform-d	4.256	84	173528	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	4.953	65	87982	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	4.969	84	286364	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.995	67	102481	4.570	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.249	98	269474	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	7.561	79	34777	4.910	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.034	63	164847	50.116	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.240%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	81325	4.943	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	87227	4.542	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	101185	4.609	ug/L	99
3) Chloromethane	1.220	50	106887	4.699	ug/L	98
5) Vinyl chloride	1.282	62	99135	4.561	ug/L #	32
6) Bromomethane	1.487	94	61611	4.637	ug/L	99
8) Chloroethane	1.548	64	63176	5.010	ug/L	96
9) Trichlorofluoromethane	1.712	101	147172	4.693	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	83759	4.856	ug/L	98
12) 1,1-Dichloroethene	2.069	96	74840	4.745	ug/L	90
13) Acetone	2.140	43	132663	45.594	ug/L	100
14) Carbon disulfide	2.240	76	224451	4.584	ug/L	99
15) Methyl Acetate	2.391	43	35545	5.711	ug/L	94
16) Methylene chloride	2.449	84	94545	4.511	ug/L	91
17) Methyl tert-butyl Ether	2.712	73	135284	4.668	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	64142	4.704	ug/L	93
19) 1,1-Dichloroethane	3.117	63	140755	4.720	ug/L	95
21) 2-Butanone	3.902	43	179487	47.392	ug/L	88
22) cis-1,2-Dichloroethene	3.822	96	63755	4.729	ug/L	99
23) Bromochloromethane	4.159	128	33275	4.902	ug/L	98
25) Chloroform	4.285	83	144576	4.930	ug/L	98

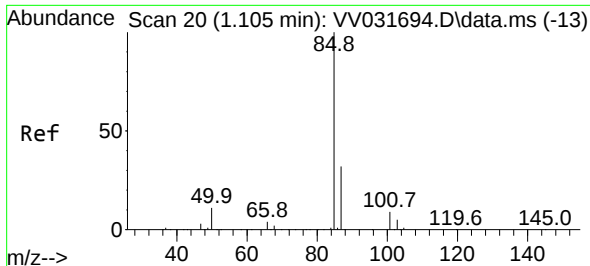
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 06:00:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	88463	4.796	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	122771	4.797	ug/L	99
30) Cyclohexane	4.590	56	86082	4.625	ug/L	99
31) Carbon tetrachloride	4.741	117	104682	4.635	ug/L	97
33) Benzene	5.018	78	269750	5.011	ug/L	100
34) Trichloroethene	5.841	95	71579	4.687	ug/L	96
35) Methylcyclohexane	6.056	83	86063	4.540	ug/L	97
37) 1,2-Dichloropropane	6.101	63	79030	5.114	ug/L #	93
38) Bromodichloromethane	6.442	83	100431	4.895	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	89708	4.663	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	443975	53.750	ug/L	99
42) Toluene	7.323	91	282344	5.430	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	84102	5.012	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	57198	4.982	ug/L	94
47) Tetrachloroethene	7.911	164	52450	4.974	ug/L	95
48) 2-Hexanone	8.085	43	345173	57.030	ug/L	100
49) Dibromochloromethane	8.185	129	62478	5.066	ug/L	95
50) 1,2-Dibromoethane	8.291	107	52683	4.907	ug/L #	98
51) Chlorobenzene	8.821	112	167610	4.888	ug/L	98
52) Ethylbenzene	8.953	91	251748	4.884	ug/L	100
53) m,p-Xylene	9.079	106	92865	4.874	ug/L	93
54) o-Xylene	9.484	106	86939	4.919	ug/L	98
55) Styrene	9.503	104	163843	4.913	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	59559	4.902	ug/L #	93
59) Bromoform	9.673	173	33579	4.562	ug/L	96
60) Isopropylbenzene	9.873	105	234380	4.799	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	48694	4.968	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	182938	4.642	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	177129	4.503	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	130091	4.942	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	135745	4.872	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	123920	4.912	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	11497	5.709	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.590	180	89861	4.667	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	70218	4.603	ug/L	98
71) Naphthalene	13.448	128	108269	4.399	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	66091	4.692	ug/L	95

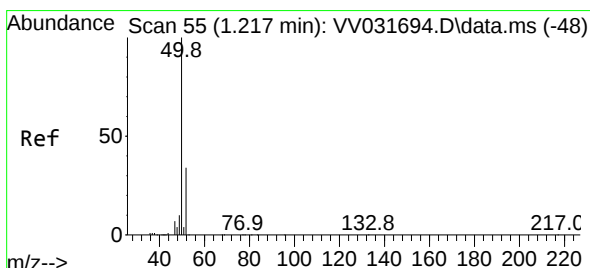
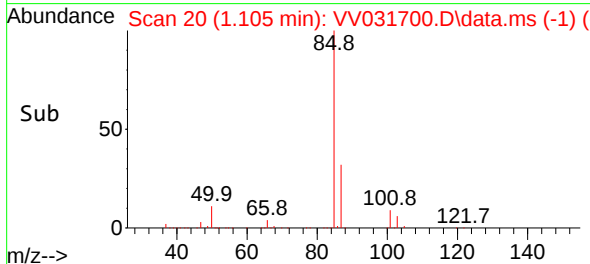
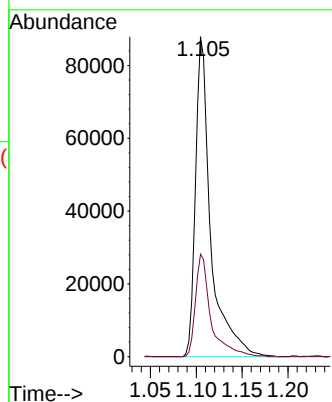
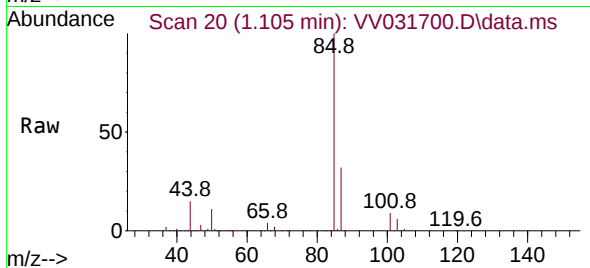
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.609 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

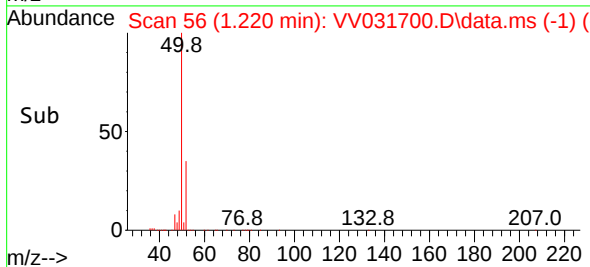
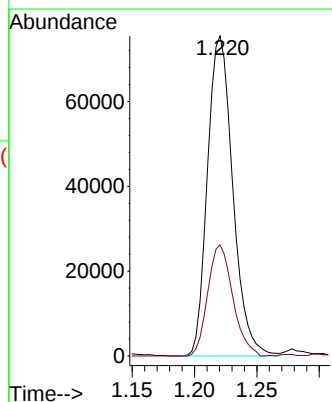
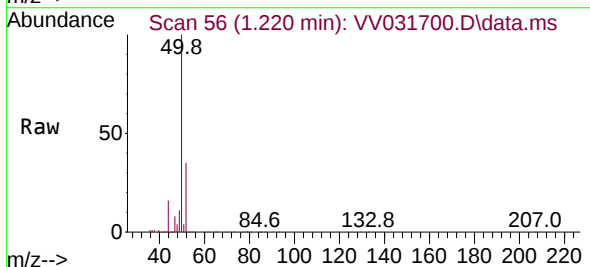
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005367

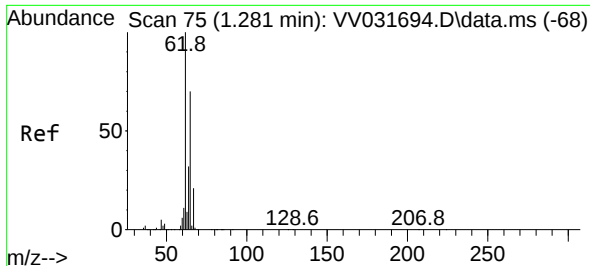
Tgt Ion: 85 Resp: 101185
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 4.699 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

Tgt Ion: 50 Resp: 106887
 Ion Ratio Lower Upper
 50 100
 52 34.7 23.5 43.7

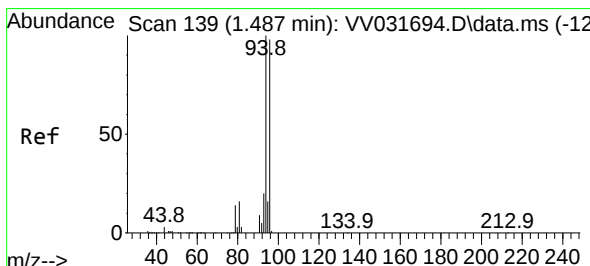
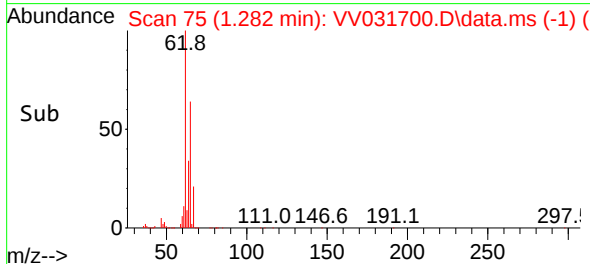
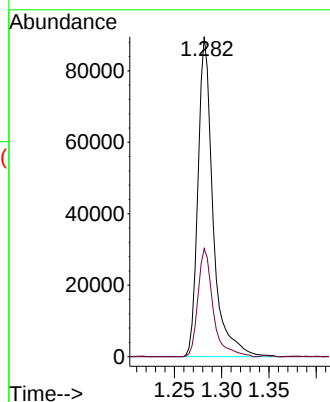
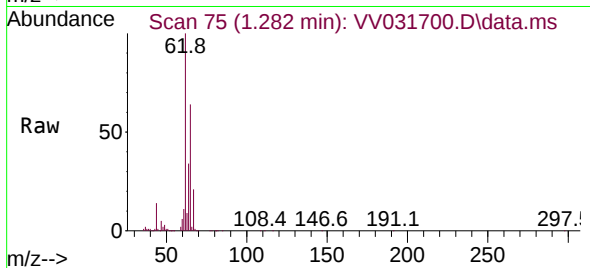




#5
 Vinyl chloride
 Concen: 4.561 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

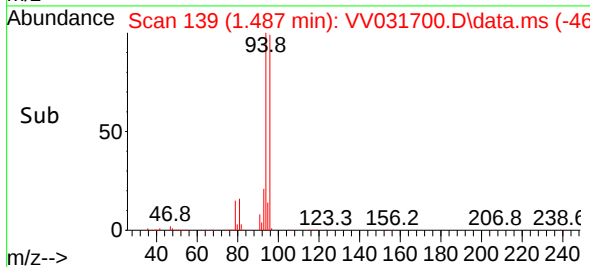
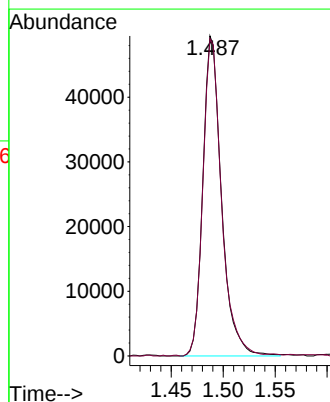
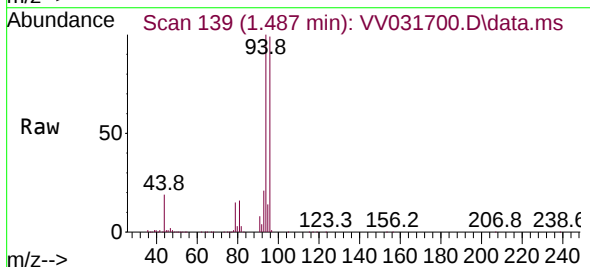
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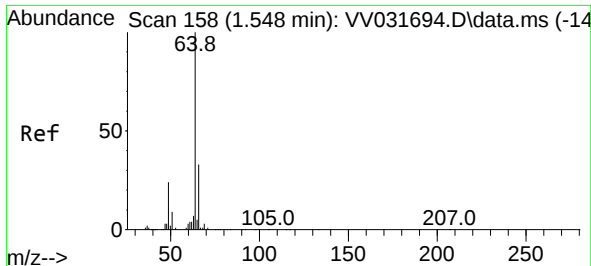
Tgt Ion: 62 Resp: 99135
 Ion Ratio Lower Upper
 62 100
 64 33.8 71.7 133.1#



#6
 Bromomethane
 Concen: 4.637 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

Tgt Ion: 94 Resp: 61611
 Ion Ratio Lower Upper
 94 100
 96 100.5 69.4 128.8

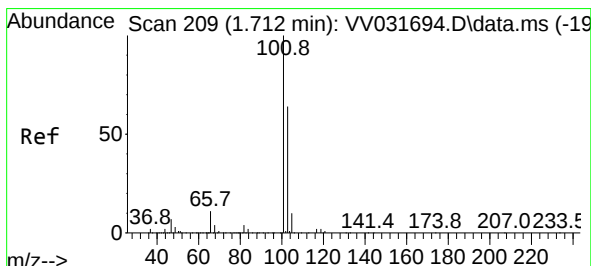
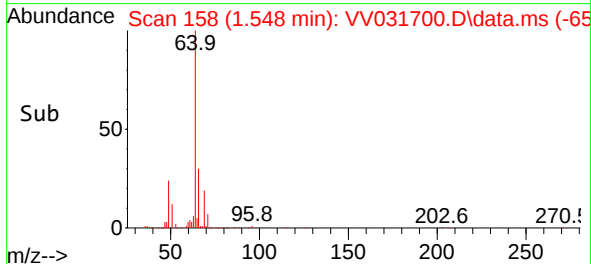
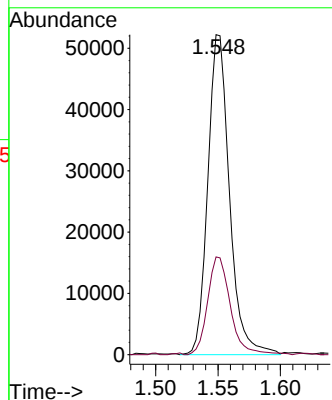
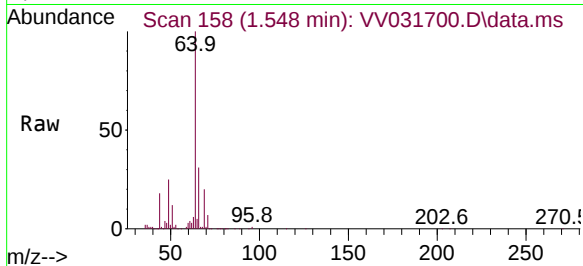




#8
Chloroethane
Concen: 5.010 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

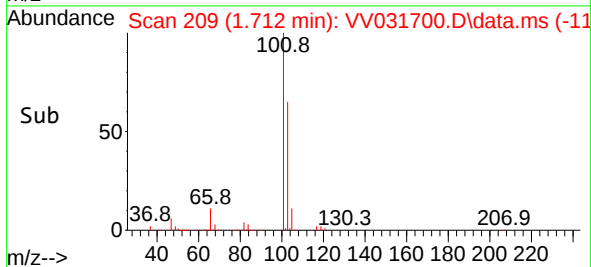
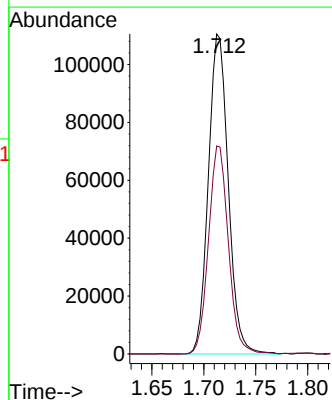
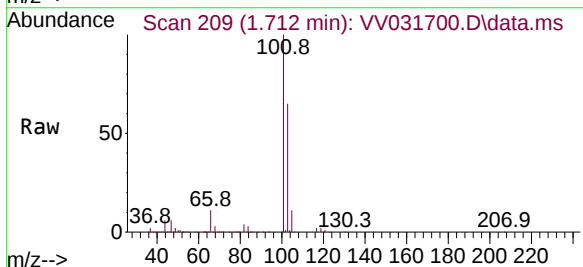
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

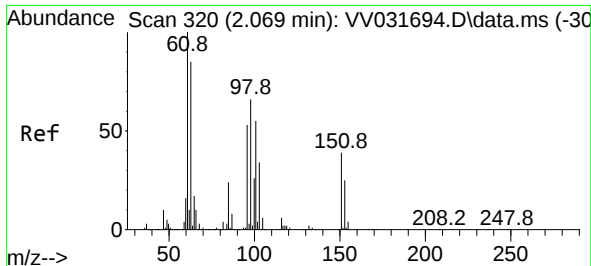
Tgt Ion: 64 Resp: 63176
Ion Ratio Lower Upper
64 100
66 30.5 23.0 42.6



#9
Trichlorofluoromethane
Concen: 4.693 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 101 Resp: 147172
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6

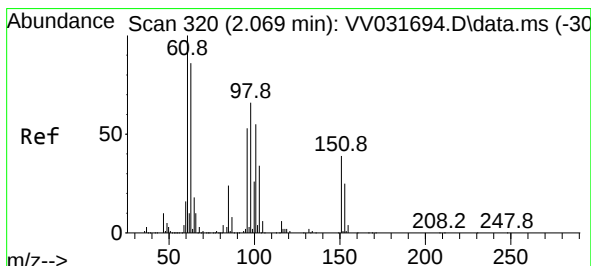
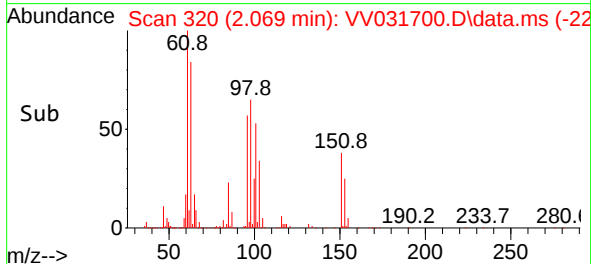
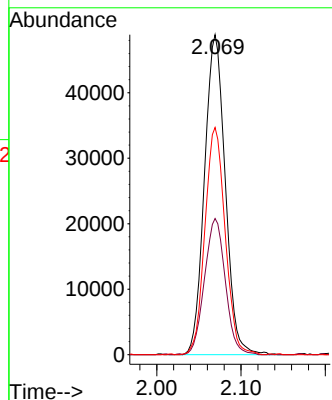
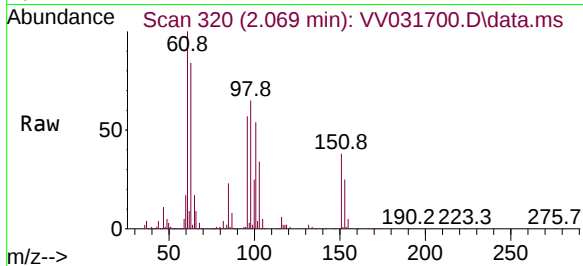




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.856 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

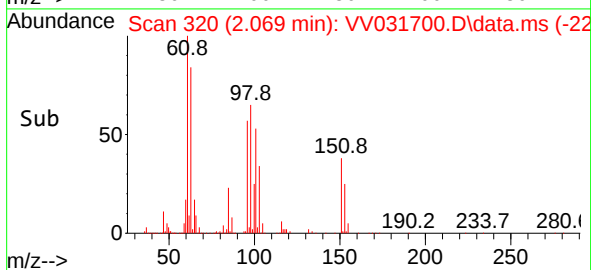
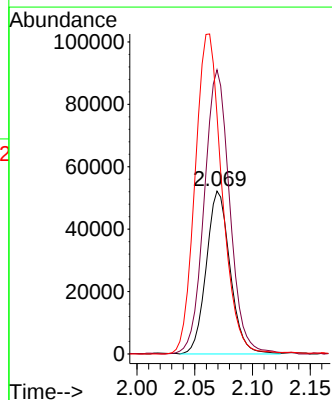
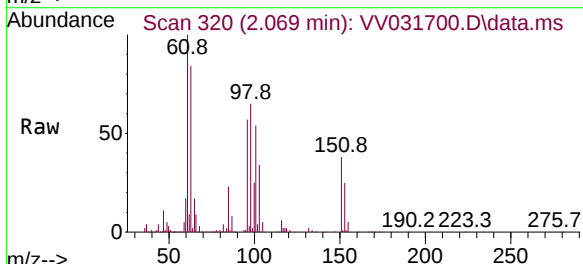
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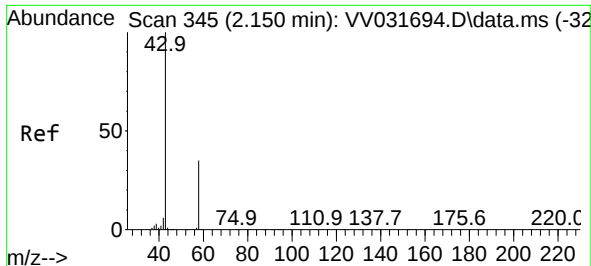
Tgt Ion:101 Resp: 83759
 Ion Ratio Lower Upper
 101 100
 85 42.7 36.2 54.2
 151 69.4 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 4.745 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

Tgt Ion: 96 Resp: 74840
 Ion Ratio Lower Upper
 96 100
 61 174.4 131.3 243.9
 63 146.8 112.6 209.2





#13

Acetone

Concen: 45.594 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

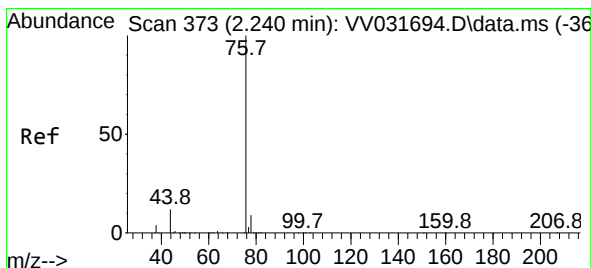
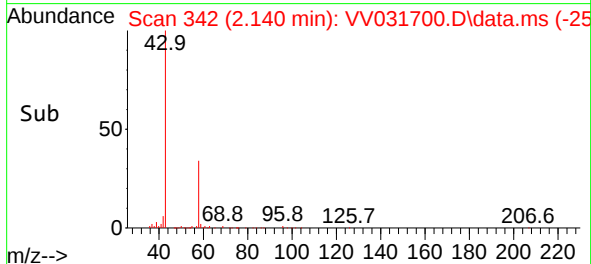
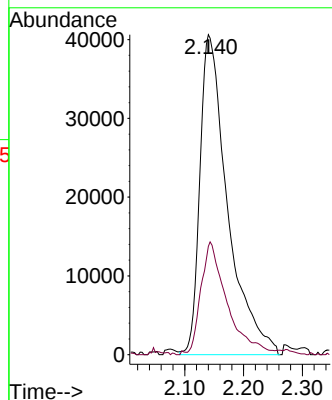
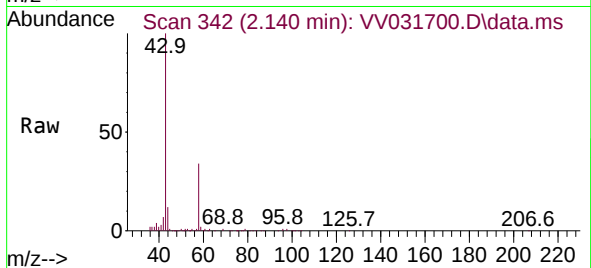
VSTD005367

Tgt Ion: 43 Resp: 132663

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.6



#14

Carbon disulfide

Concen: 4.584 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV031700.D

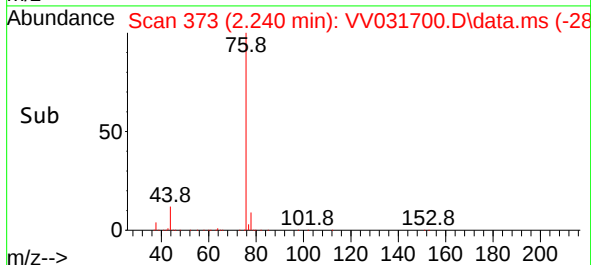
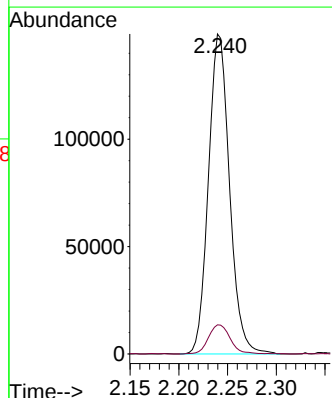
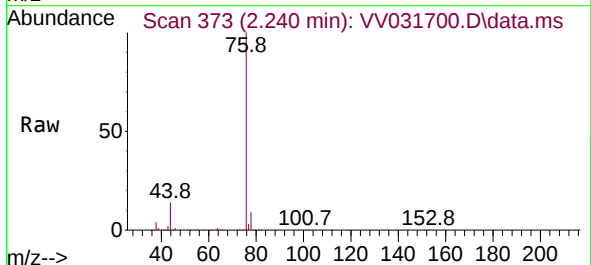
Acq: 13 Jul 2023 17:20

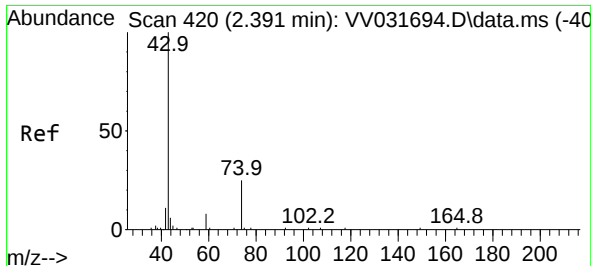
Tgt Ion: 76 Resp: 224451

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

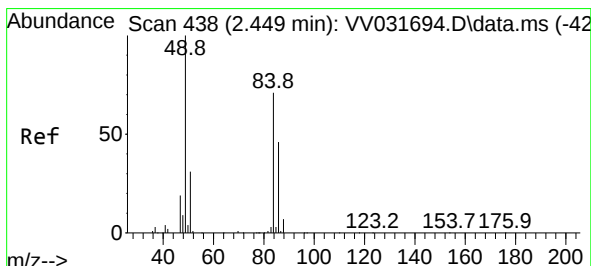
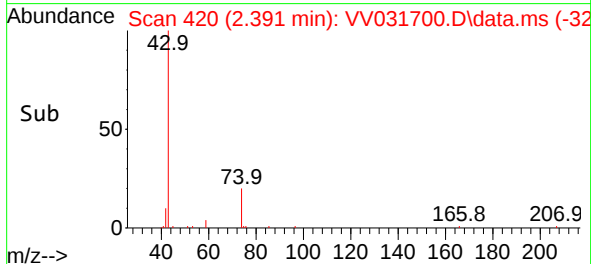
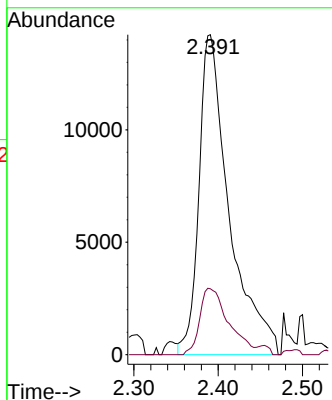
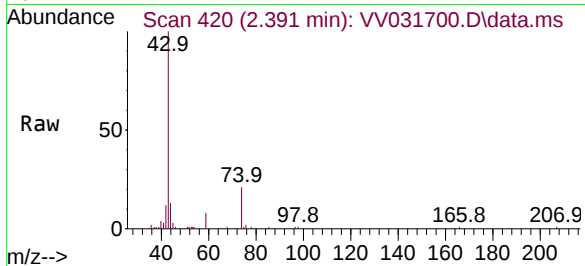




#15
Methyl Acetate
Concen: 5.711 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

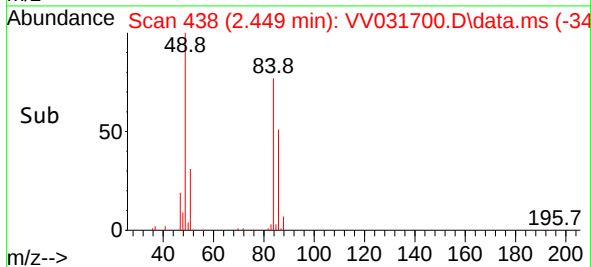
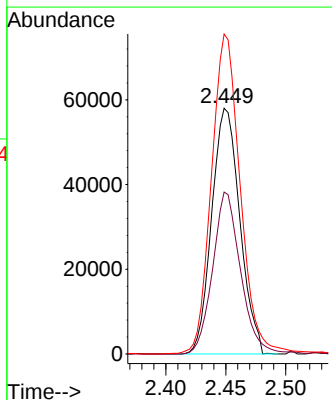
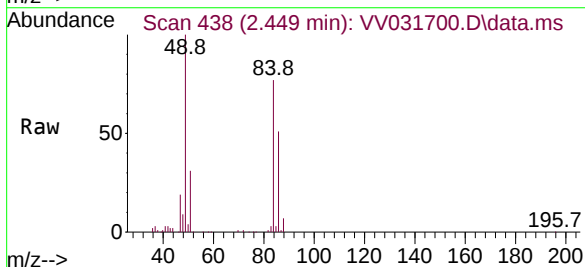
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

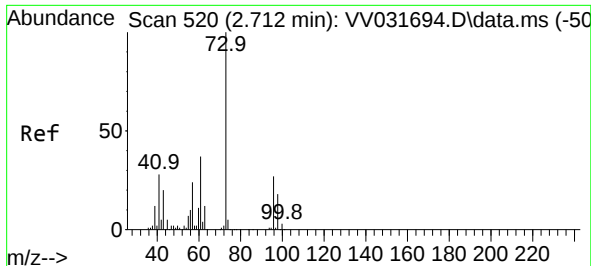
Tgt Ion: 43 Resp: 35545
Ion Ratio Lower Upper
43 100
74 19.7 18.0 27.0



#16
Methylene chloride
Concen: 4.511 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 84 Resp: 94545
Ion Ratio Lower Upper
84 100
86 65.9 46.3 86.1
49 130.2 101.8 189.0





#17

Methyl tert-butyl Ether

Concen: 4.668 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

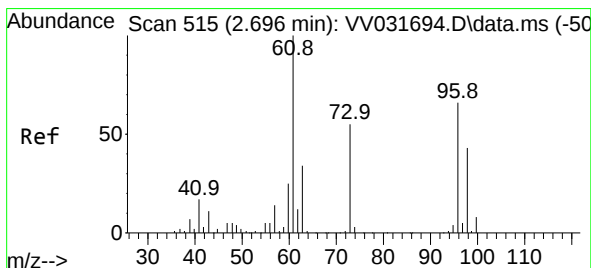
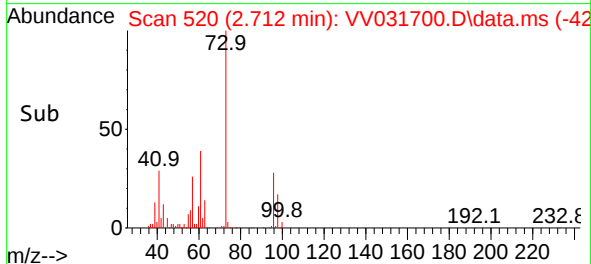
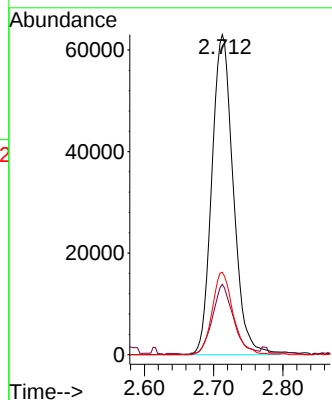
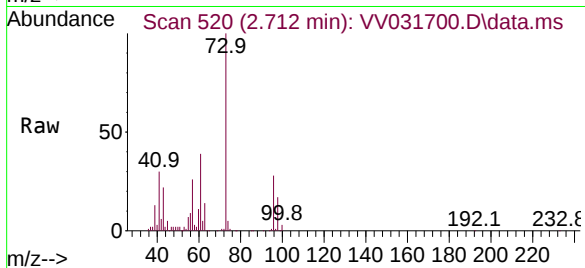
Tgt Ion: 73 Resp: 135284

Ion Ratio Lower Upper

73 100

43 21.8 18.1 27.1

57 25.2 19.6 29.4



#18

trans-1,2-Dichloroethene

Concen: 4.704 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

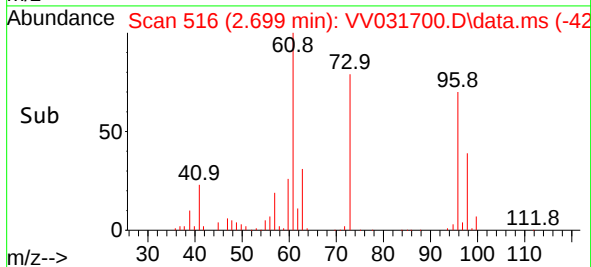
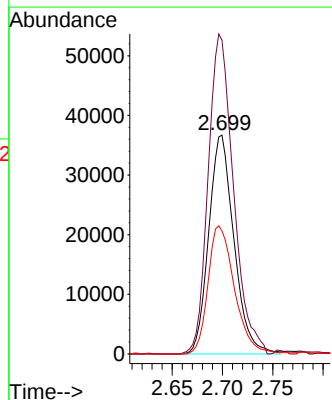
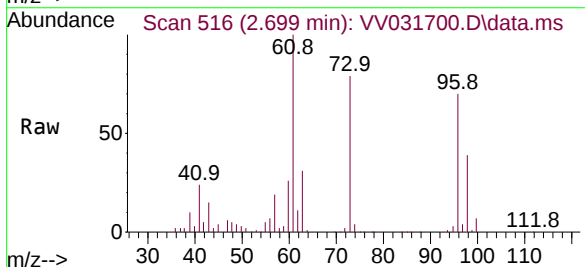
Tgt Ion: 96 Resp: 64142

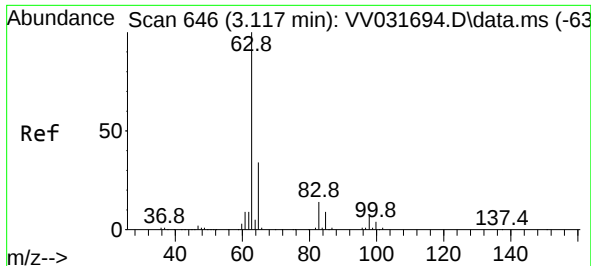
Ion Ratio Lower Upper

96 100

61 143.4 105.5 195.9

98 56.2 45.4 84.2

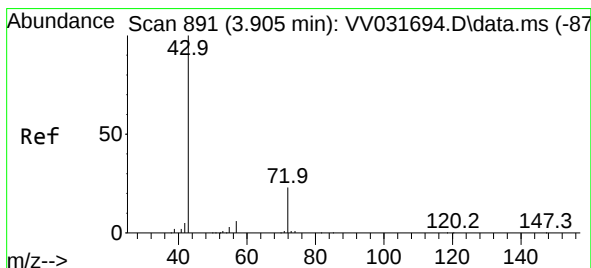
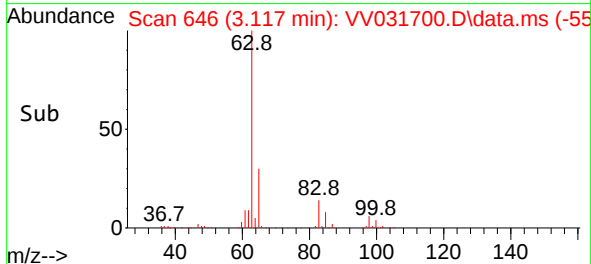
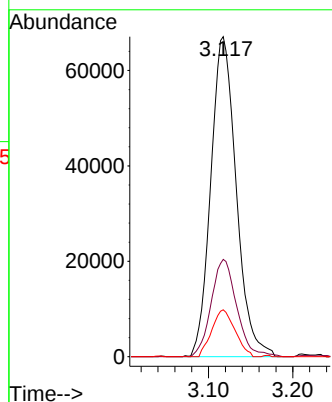
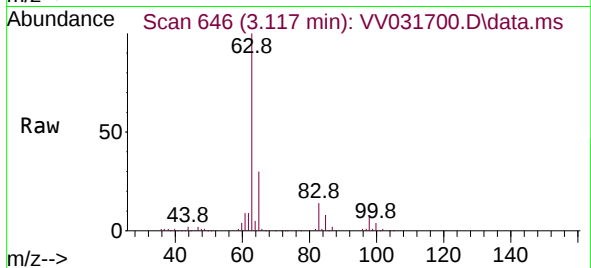




#19
1,1-Dichloroethane
Concen: 4.720 ug/L
RT: 3.117 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

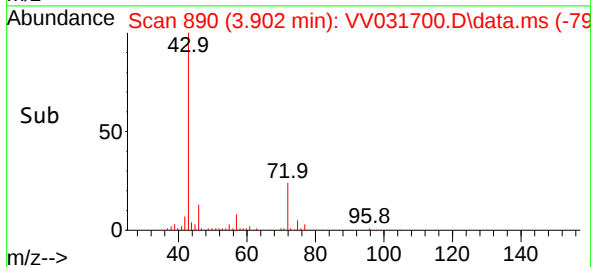
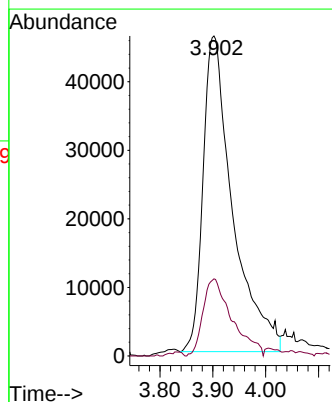
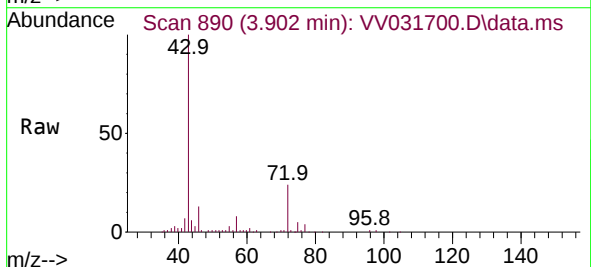
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

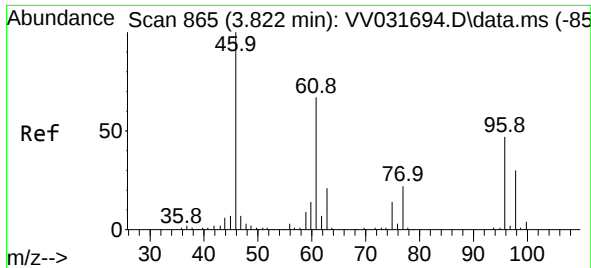
Tgt Ion: 63 Resp: 140755
Ion Ratio Lower Upper
63 100
65 29.9 23.4 43.6
83 14.0 9.4 17.4



#21
2-Butanone
Concen: 47.392 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 43 Resp: 179487
Ion Ratio Lower Upper
43 100
72 23.9 9.2 27.4

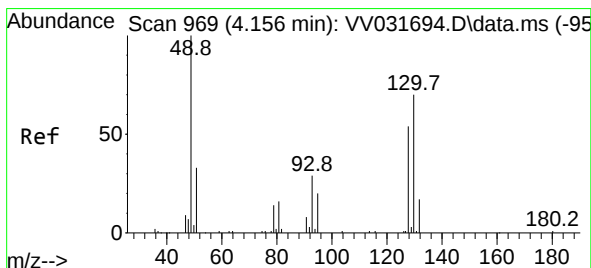
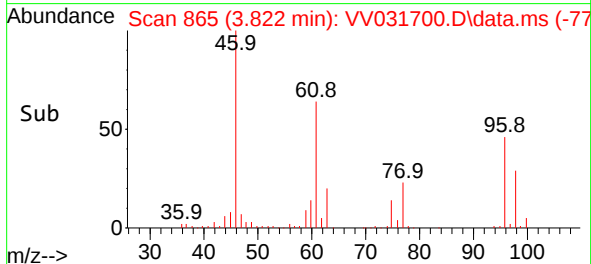
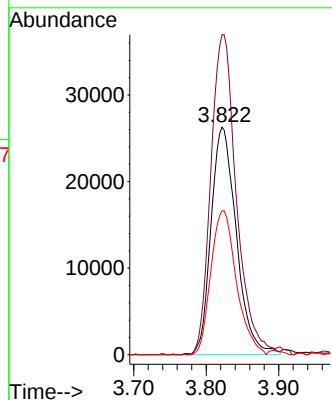
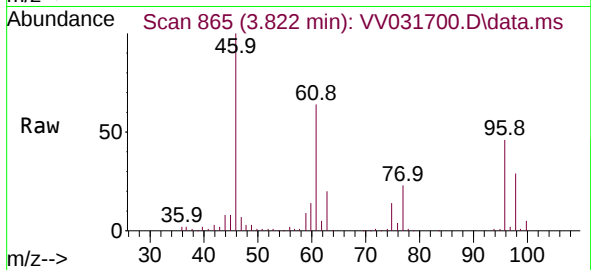




#22
 cis-1,2-Dichloroethene
 Concen: 4.729 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

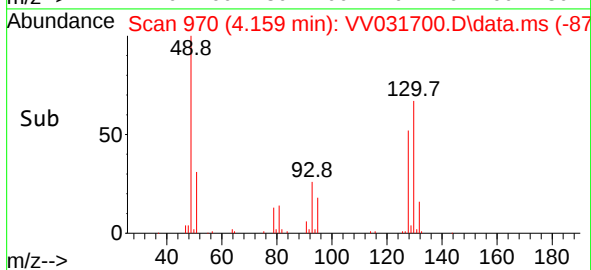
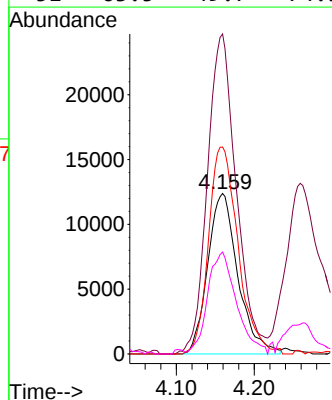
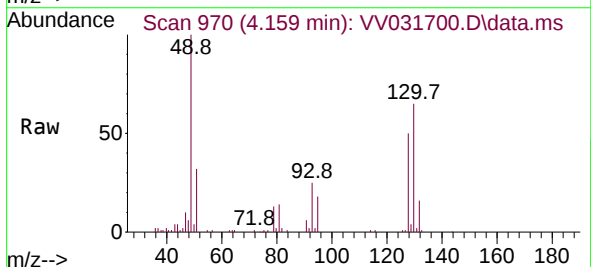
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005367

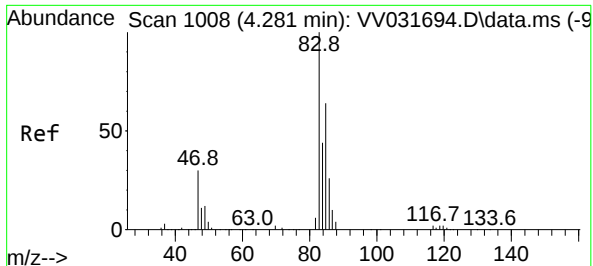
Tgt Ion: 96 Resp: 63755
 Ion Ratio Lower Upper
 96 100
 61 140.6 99.4 184.6
 98 64.6 45.1 83.7



#23
 Bromochloromethane
 Concen: 4.902 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV031700.D
 Acq: 13 Jul 2023 17:20

Tgt Ion: 128 Resp: 33275
 Ion Ratio Lower Upper
 128 100
 49 199.5 136.1 252.7
 130 129.0 91.3 169.5
 51 63.5 49.7 74.5





#25

Chloroform

Concen: 4.930 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

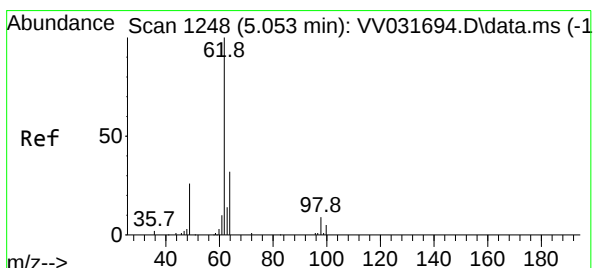
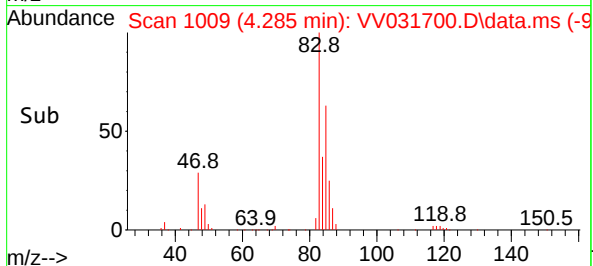
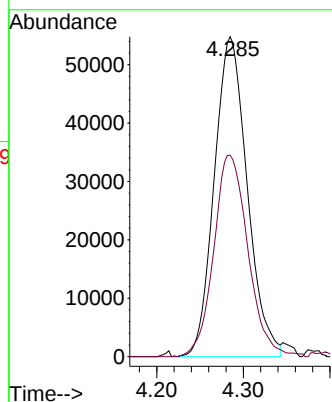
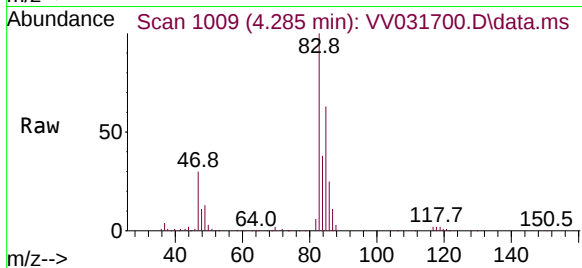
VSTD005367

Tgt Ion: 83 Resp: 144576

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.796 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV031700.D

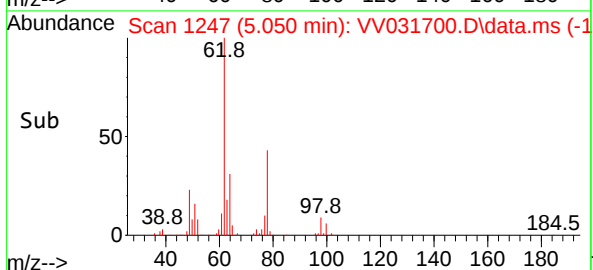
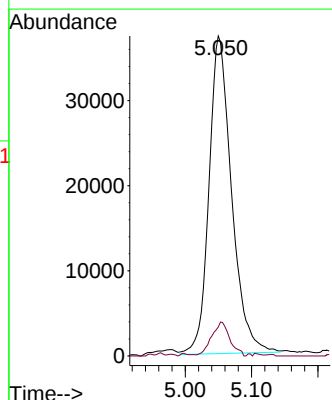
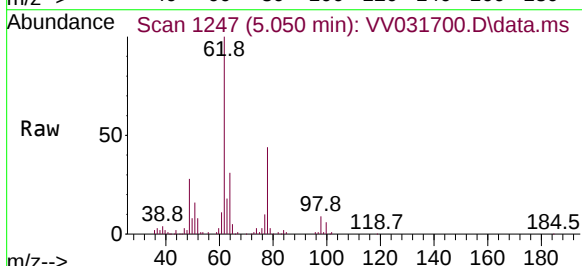
Acq: 13 Jul 2023 17:20

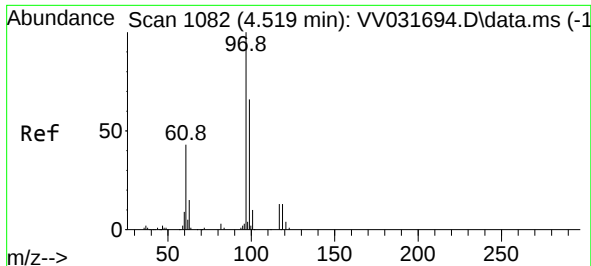
Tgt Ion: 62 Resp: 88463

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.797 ug/L

RT: 4.519 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

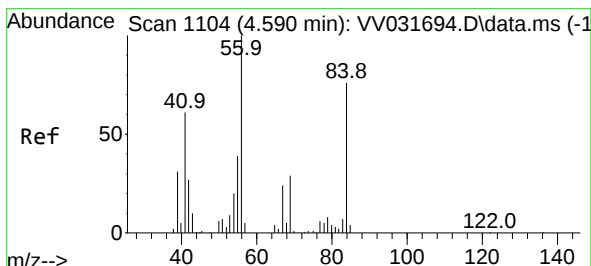
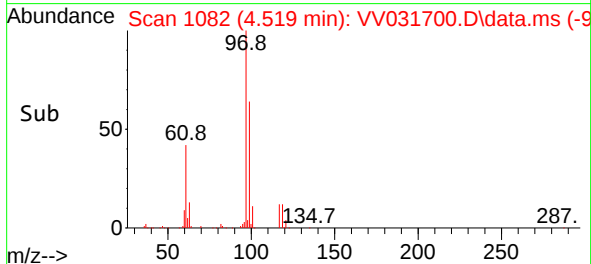
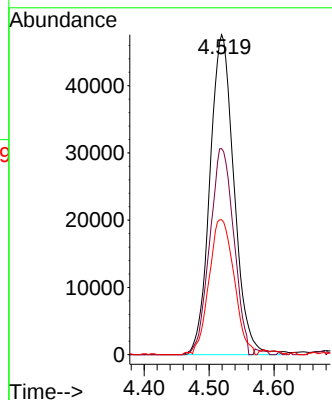
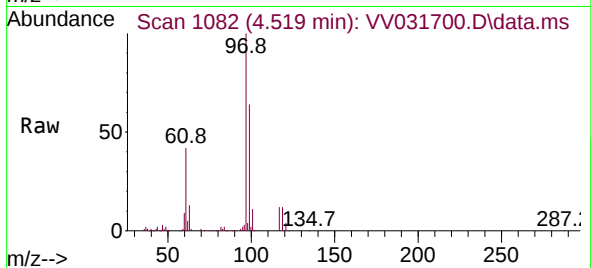
Tgt Ion: 97 Resp: 122771

Ion Ratio Lower Upper

97 100

99 63.9 50.4 75.6

61 43.7 35.6 53.4



#30

Cyclohexane

Concen: 4.625 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

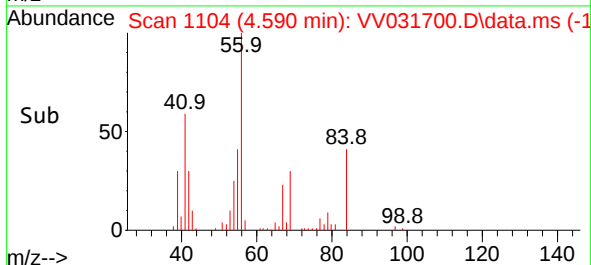
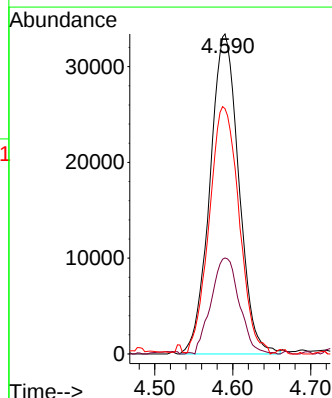
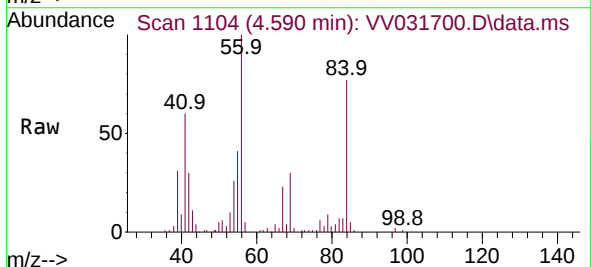
Tgt Ion: 56 Resp: 86082

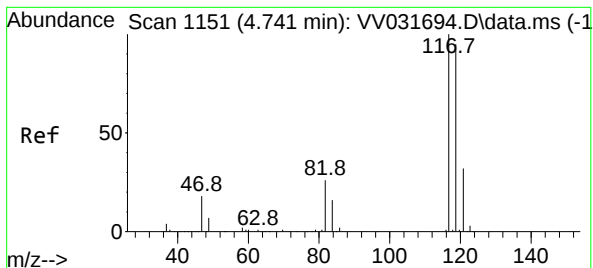
Ion Ratio Lower Upper

56 100

69 29.4 22.9 34.3

84 79.2 62.7 94.1





#31

Carbon tetrachloride

Concen: 4.635 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

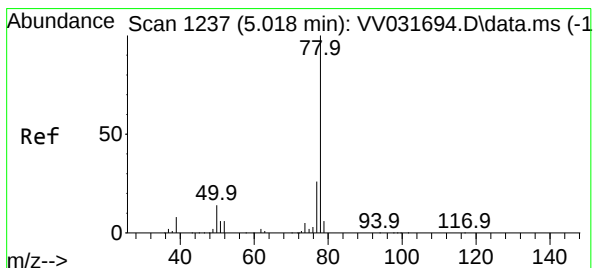
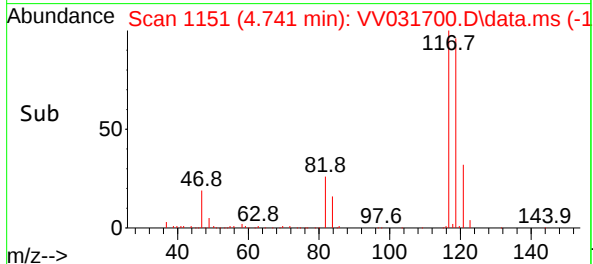
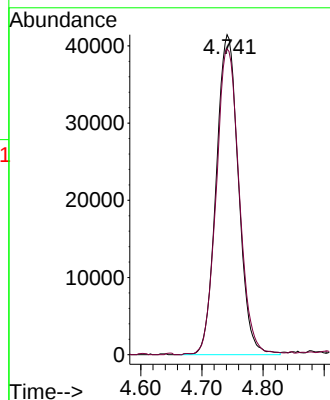
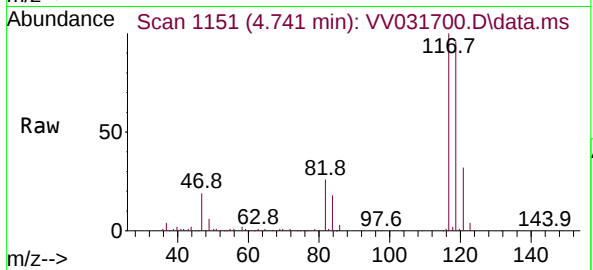
VSTD005367

Tgt Ion:117 Resp: 104682

Ion Ratio Lower Upper

117 100

119 97.6 76.1 114.1



#33

Benzene

Concen: 5.011 ug/L

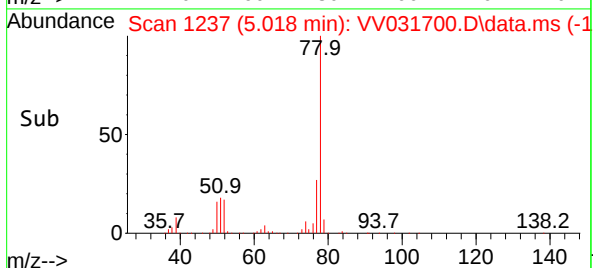
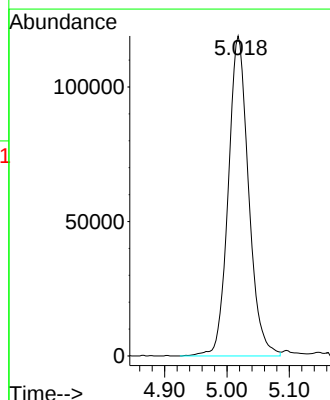
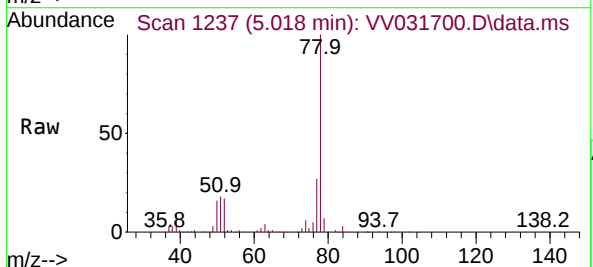
RT: 5.018 min Scan# 1237

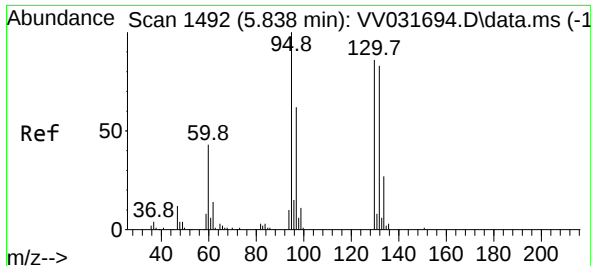
Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Tgt Ion: 78 Resp: 269750



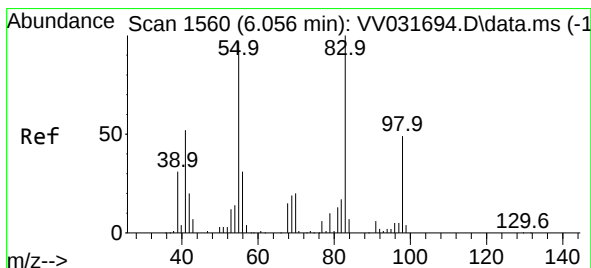
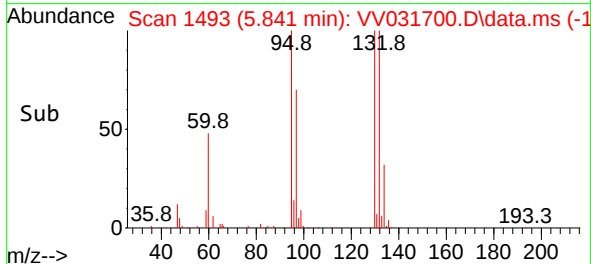
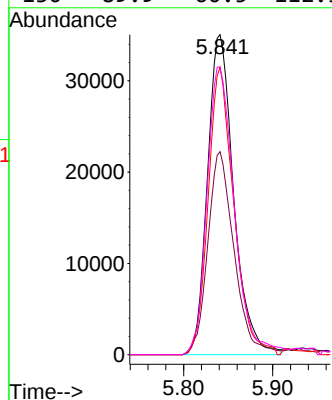
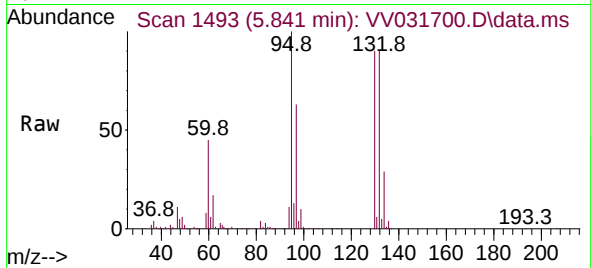


#34
Trichloroethene
Concen: 4.687 ug/L
RT: 5.841 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

Tgt Ion: 95 Resp: 71579

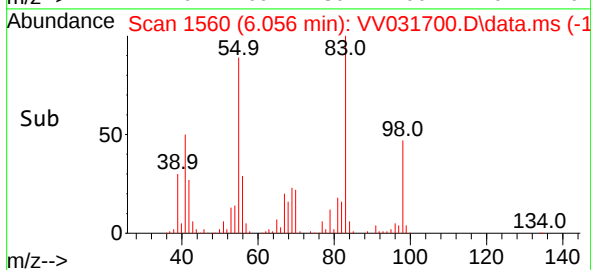
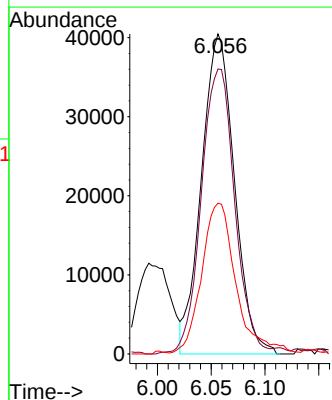
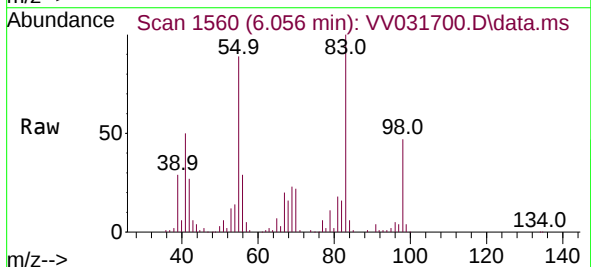
Ion	Ratio	Lower	Upper
95	100		
97	63.4	43.3	80.5
132	89.8	58.3	108.3
130	89.9	60.5	112.5

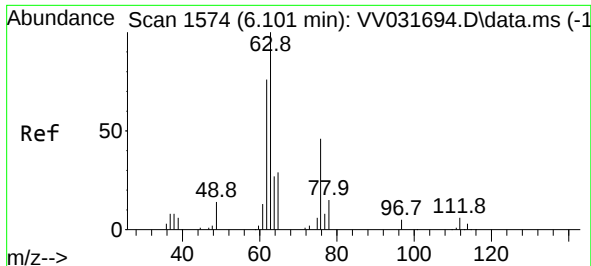


#35
Methylcyclohexane
Concen: 4.540 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 83 Resp: 86063

Ion	Ratio	Lower	Upper
83	100		
55	90.6	73.8	110.6
98	48.4	35.1	52.7





#37

1,2-Dichloropropane

Concen: 5.114 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

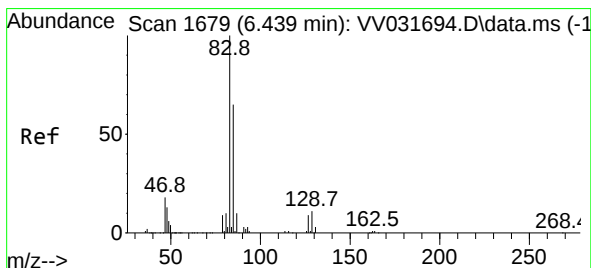
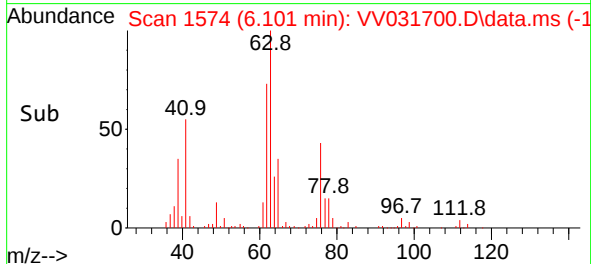
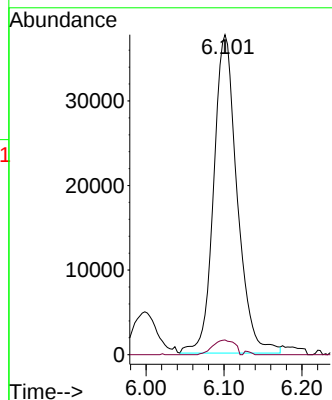
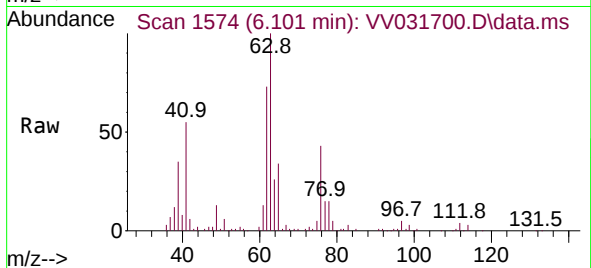
VSTD005367

Tgt Ion: 63 Resp: 79030

Ion Ratio Lower Upper

63 100

112 4.3 1.4 2.2#



#38

Bromodichloromethane

Concen: 4.895 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

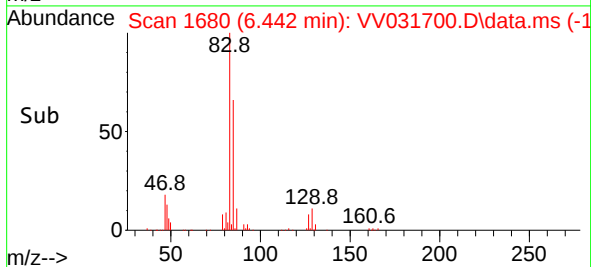
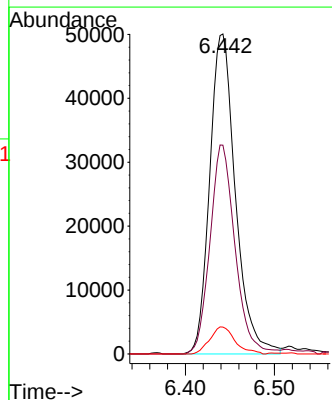
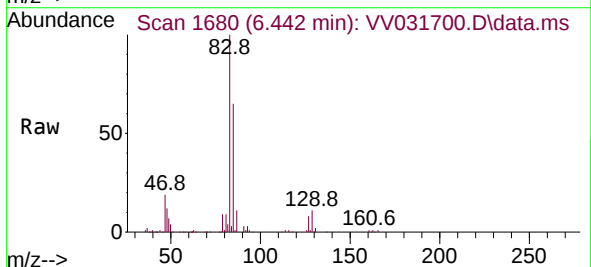
Tgt Ion: 83 Resp: 100431

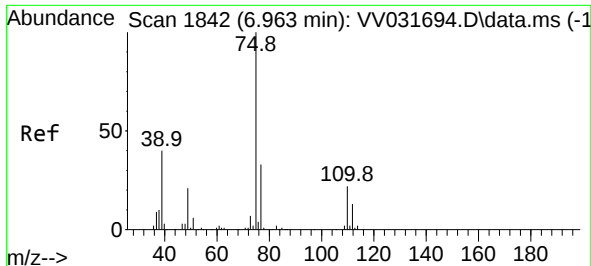
Ion Ratio Lower Upper

83 100

85 65.3 45.5 84.5

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.663 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

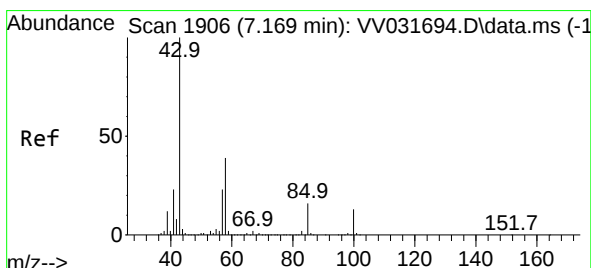
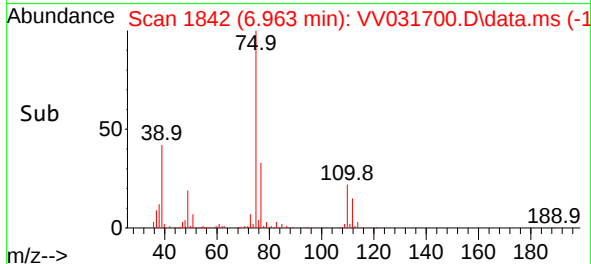
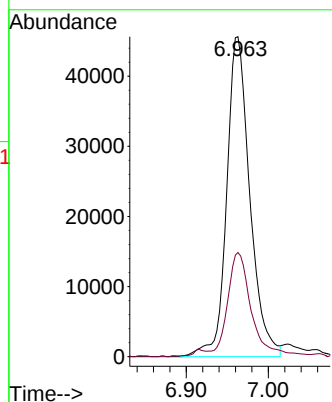
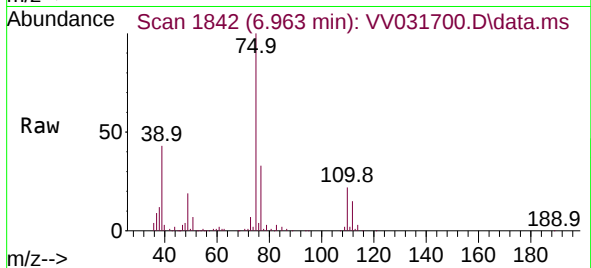
VSTD005367

Tgt Ion: 75 Resp: 89708

Ion Ratio Lower Upper

75 100

77 32.6 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 53.750 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

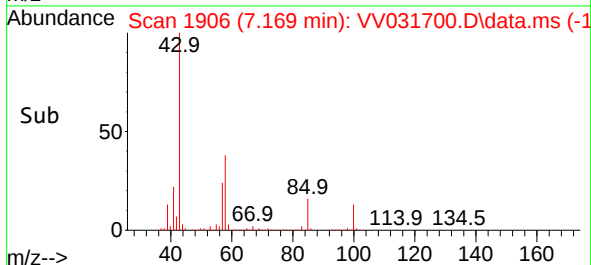
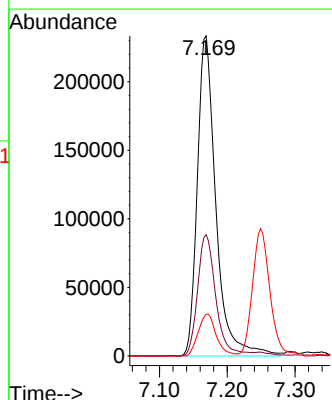
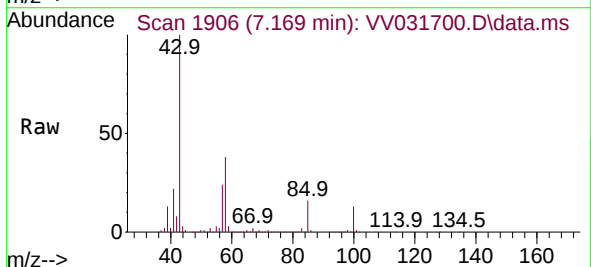
Tgt Ion: 43 Resp: 443975

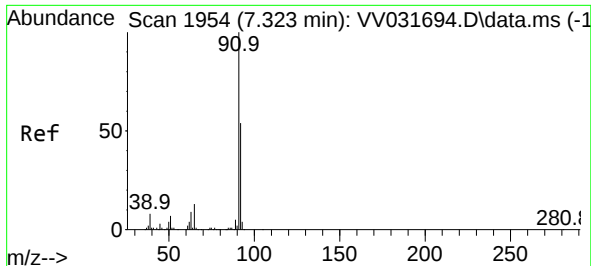
Ion Ratio Lower Upper

43 100

58 37.1 30.3 45.5

100 12.8 9.7 14.5





#42

Toluene

Concen: 5.430 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

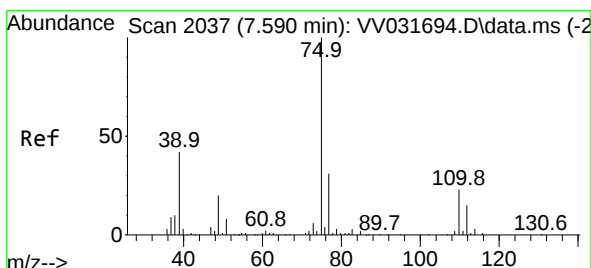
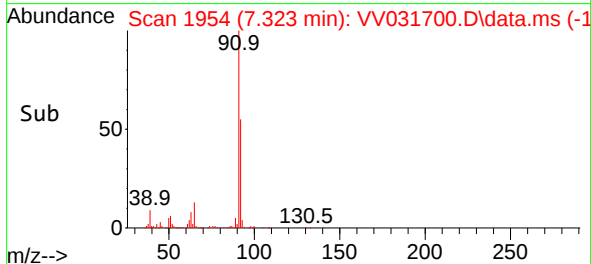
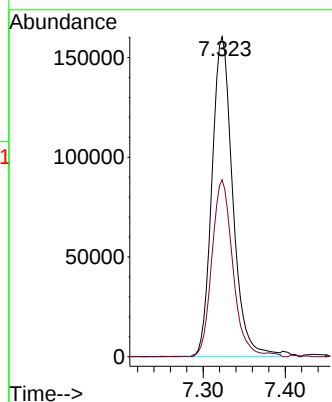
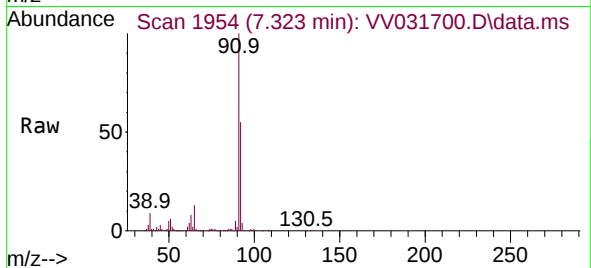
VSTD005367

Tgt Ion: 91 Resp: 282344

Ion Ratio Lower Upper

91 100

92 55.3 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 5.012 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV031700.D

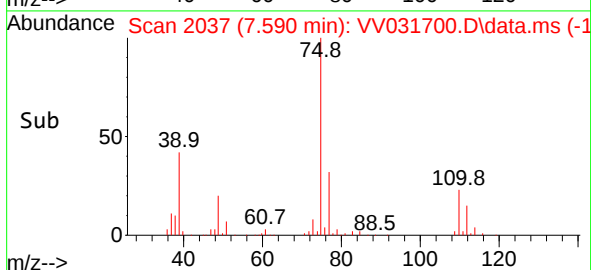
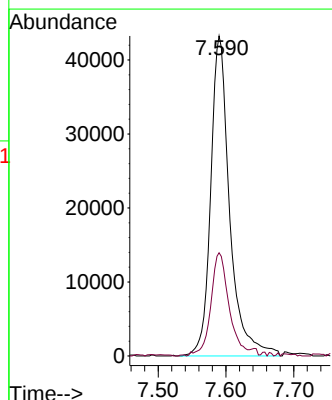
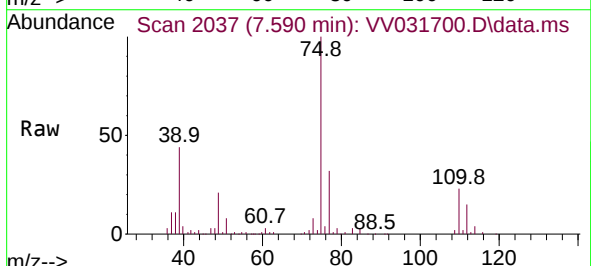
Acq: 13 Jul 2023 17:20

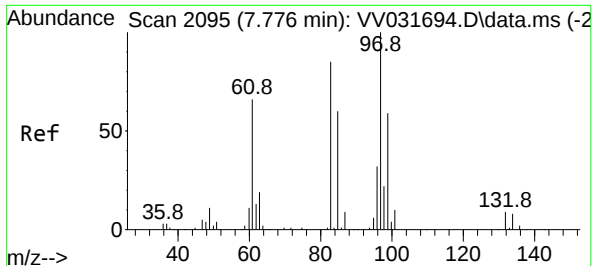
Tgt Ion: 75 Resp: 84102

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.982 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

Tgt Ion: 97 Resp: 57198

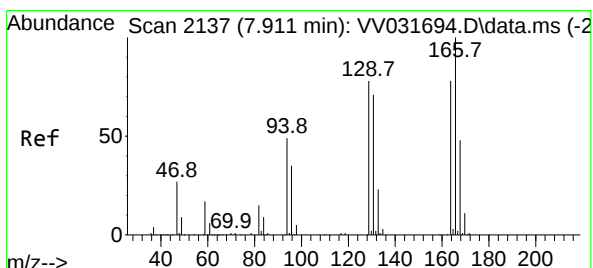
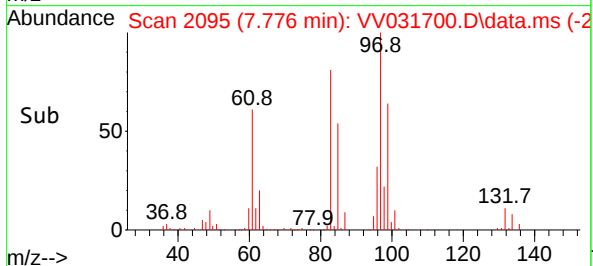
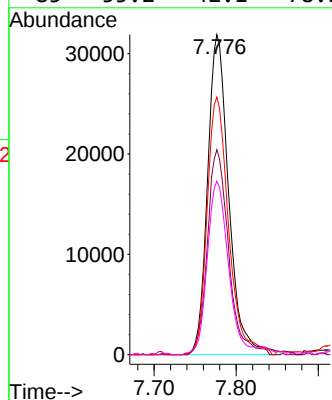
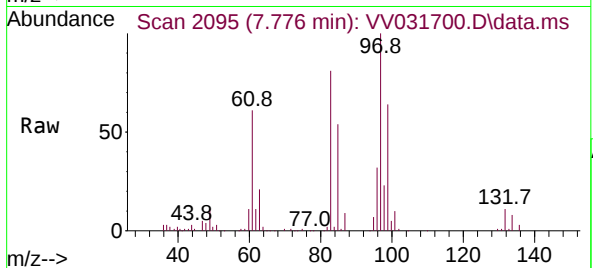
Ion Ratio Lower Upper

97 100

99 64.0 40.9 76.0

83 80.5 59.7 110.9

85 55.2 42.1 78.1



#47

Tetrachloroethene

Concen: 4.974 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Tgt Ion:164 Resp: 52450

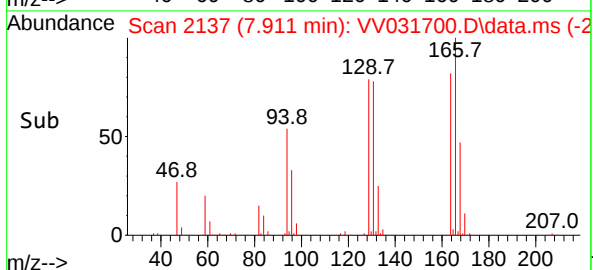
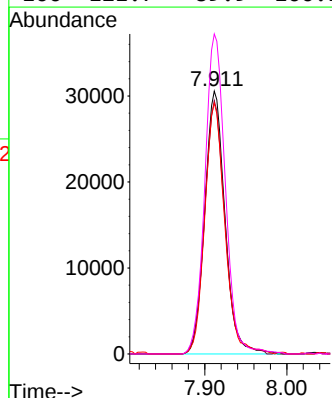
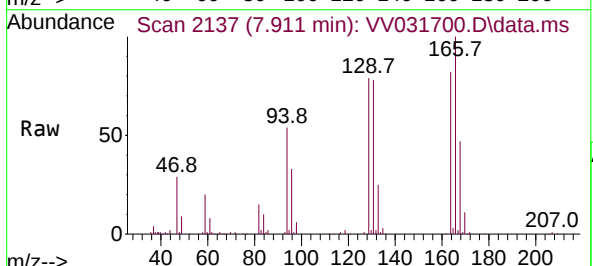
Ion Ratio Lower Upper

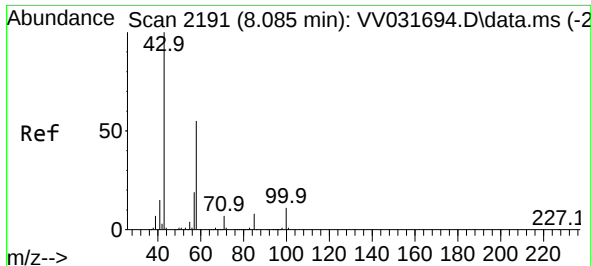
164 100

129 96.3 70.5 130.9

131 95.5 64.0 118.8

166 121.7 89.9 166.9



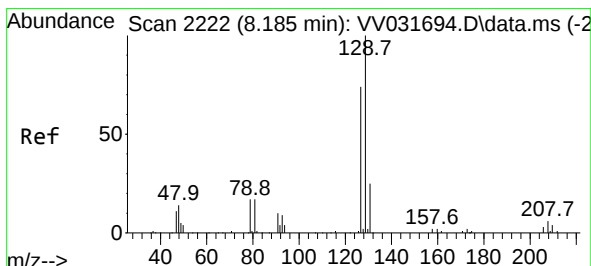
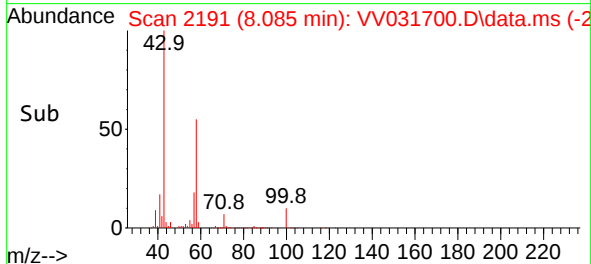
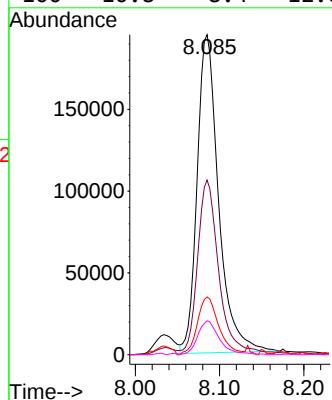
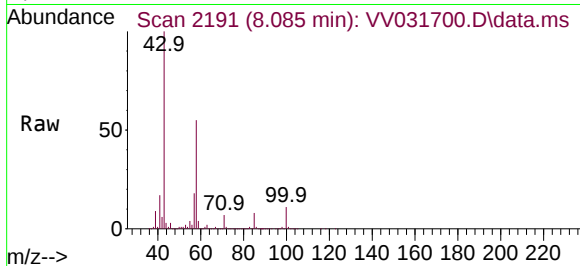


#48
2-Hexanone
Concen: 57.030 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

Tgt Ion: 43 Resp: 345173

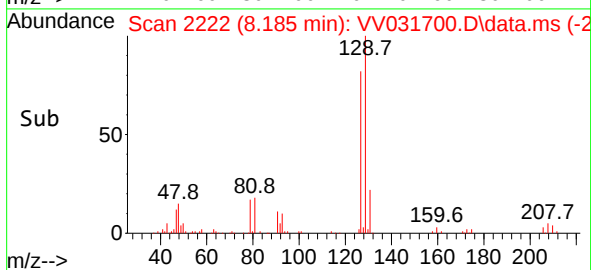
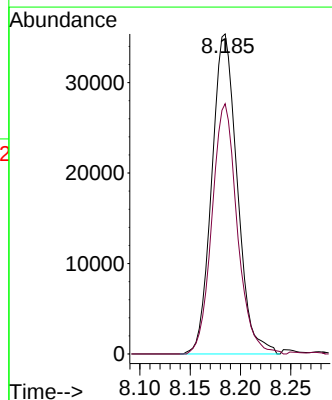
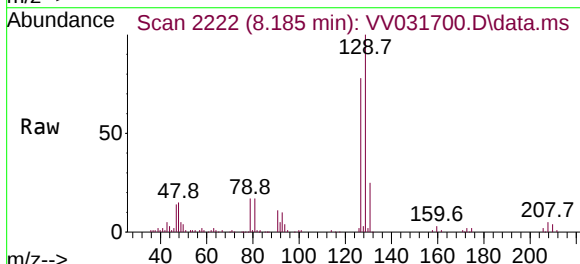
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.6	64.0
57	18.1	14.6	21.8
100	10.8	8.4	12.6

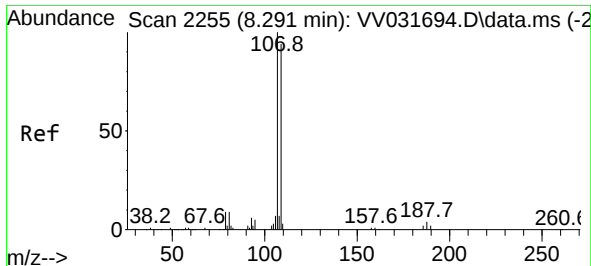


#49
Dibromochloromethane
Concen: 5.066 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 129 Resp: 62478

Ion	Ratio	Lower	Upper
129	100		
127	78.2	51.7	96.1





#50

1,2-Dibromoethane

Concen: 4.907 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

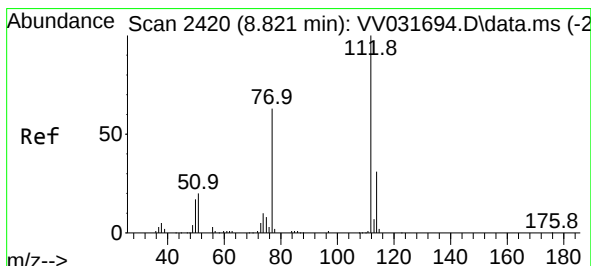
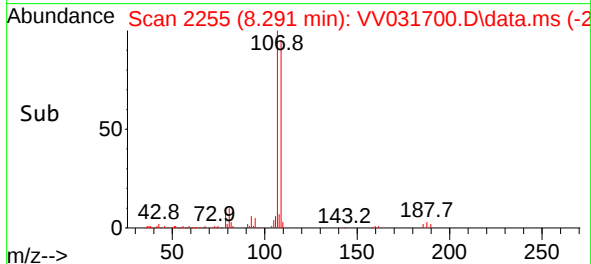
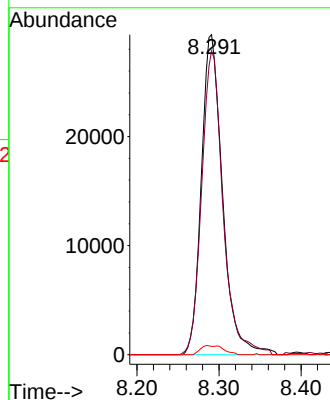
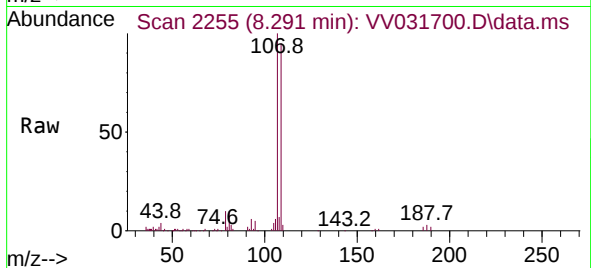
Tgt Ion:107 Resp: 52683

Ion Ratio Lower Upper

107 100

109 94.9 67.6 125.6

188 2.6 3.0 4.6#



#51

Chlorobenzene

Concen: 4.888 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

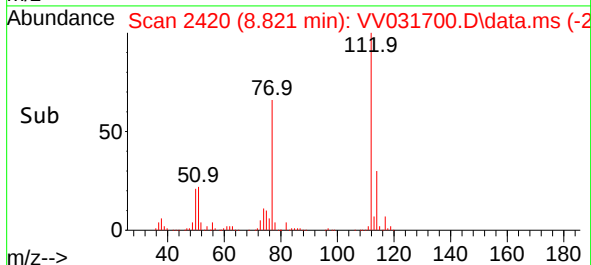
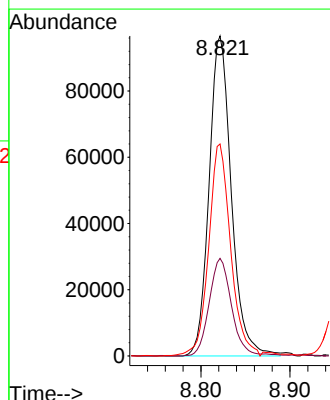
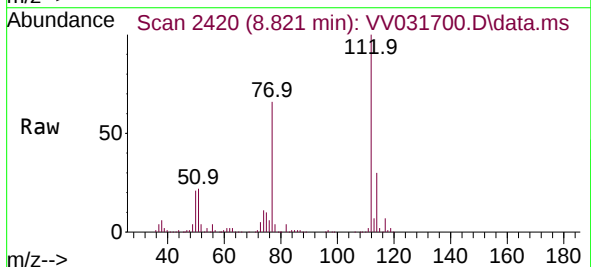
Tgt Ion:112 Resp: 167610

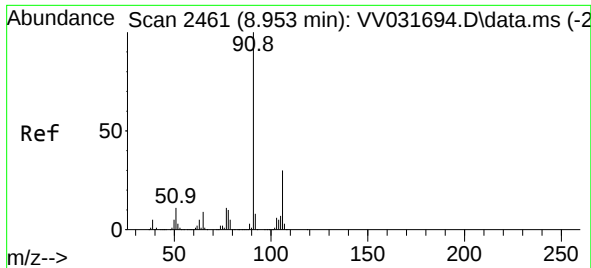
Ion Ratio Lower Upper

112 100

114 30.5 21.6 40.2

77 66.2 54.2 81.4

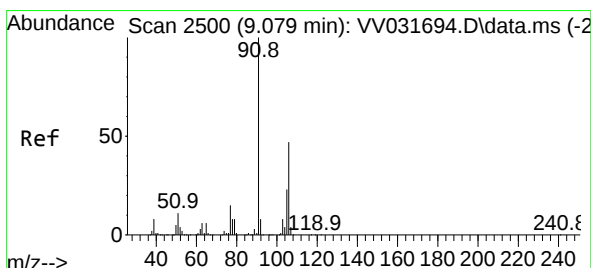
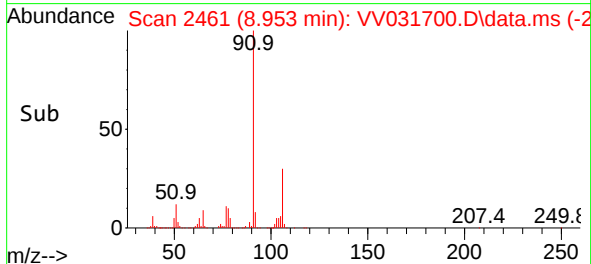
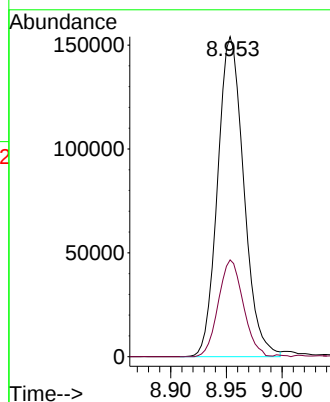
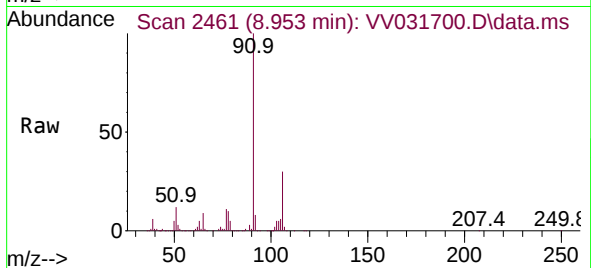




#52
Ethylbenzene
Concen: 4.884 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

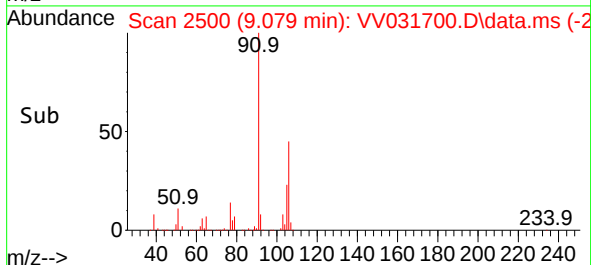
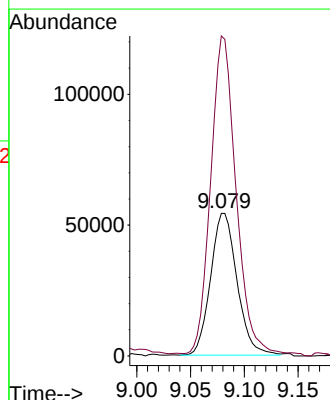
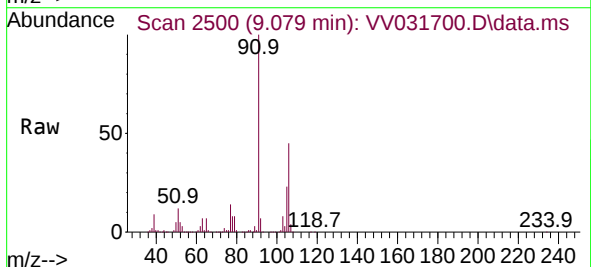
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

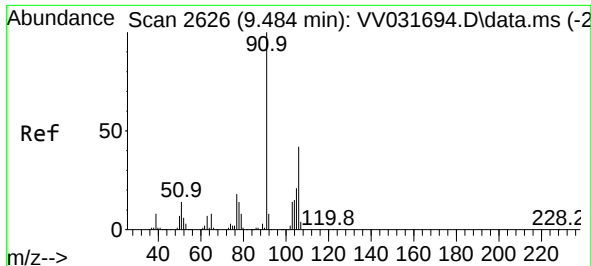
Tgt Ion: 91 Resp: 251748
Ion Ratio Lower Upper
91 100
106 30.2 21.2 39.4



#53
m,p-Xylene
Concen: 4.874 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 106 Resp: 92865
Ion Ratio Lower Upper
106 100
91 224.4 149.9 278.3

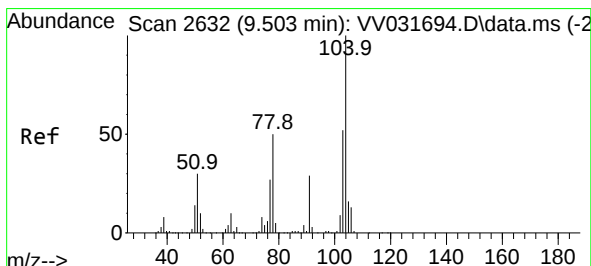
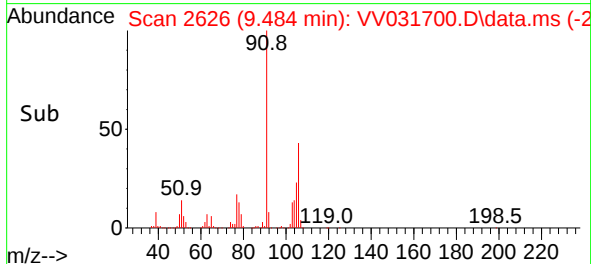
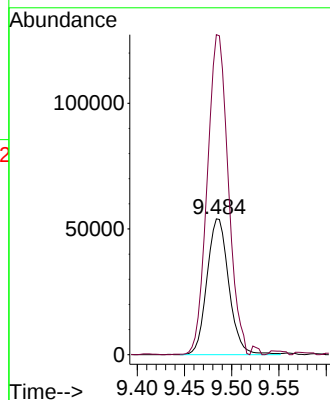
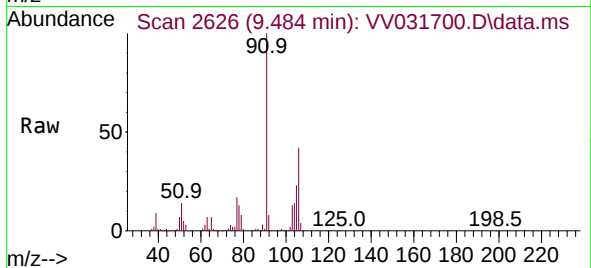




#54
o-Xylene
Concen: 4.919 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

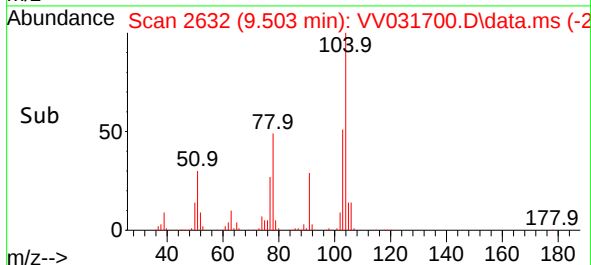
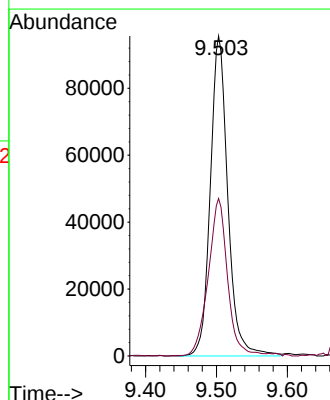
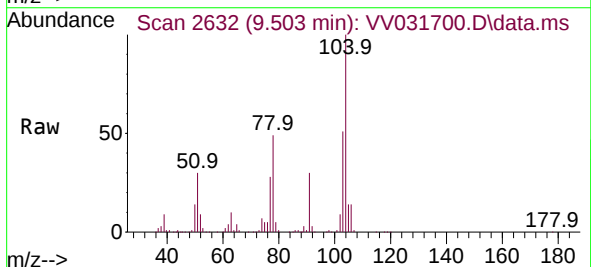
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

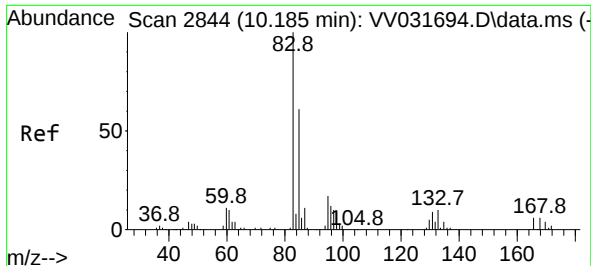
Tgt Ion:106 Resp: 86939
Ion Ratio Lower Upper
106 100
91 235.6 166.7 309.5



#55
Styrene
Concen: 4.913 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion:104 Resp: 163843
Ion Ratio Lower Upper
104 100
78 49.2 35.3 65.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.902 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

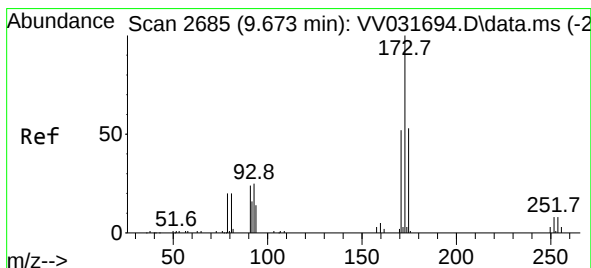
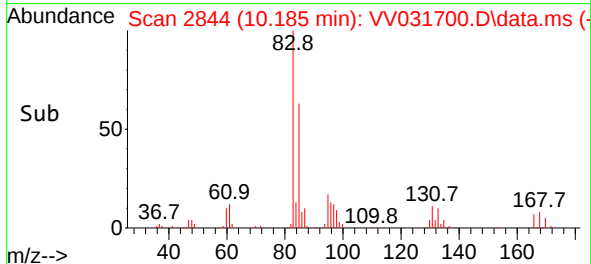
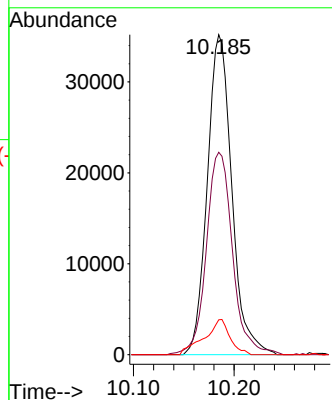
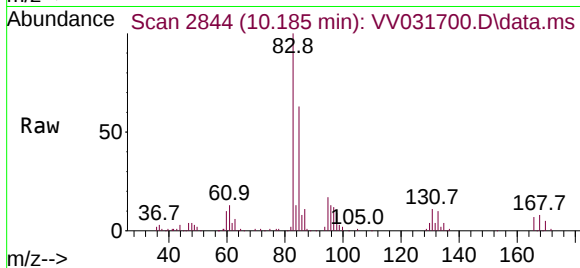
Tgt Ion: 83 Resp: 59559

Ion Ratio Lower Upper

83 100

85 63.3 48.6 90.2

131 10.9 7.0 10.6#



#59

Bromoform

Concen: 4.562 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

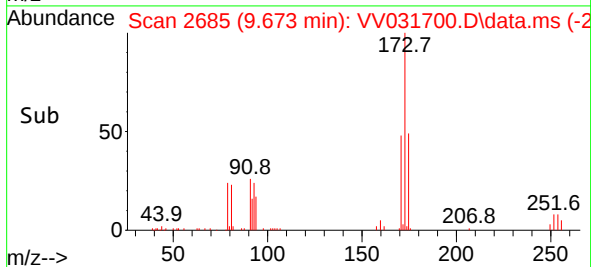
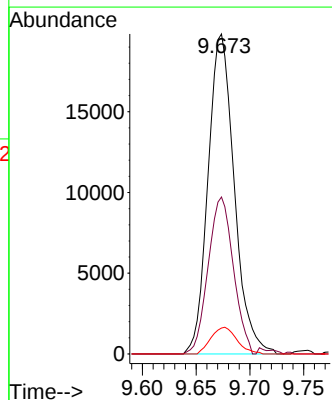
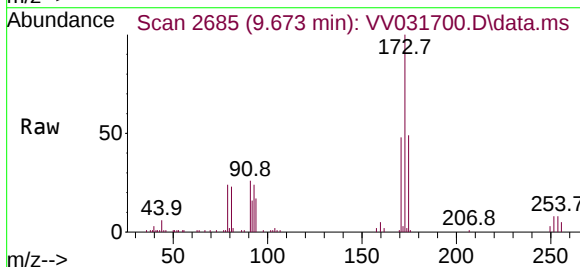
Tgt Ion: 173 Resp: 33579

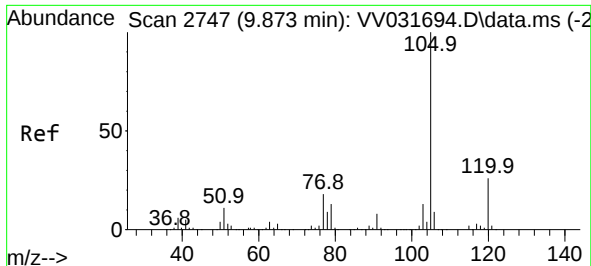
Ion Ratio Lower Upper

173 100

175 47.1 40.2 60.4

254 8.2 6.4 9.6

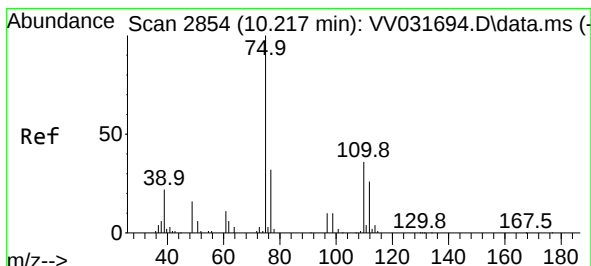
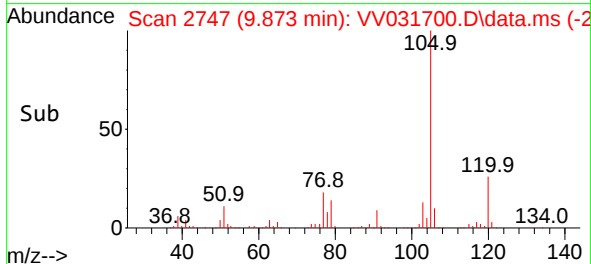
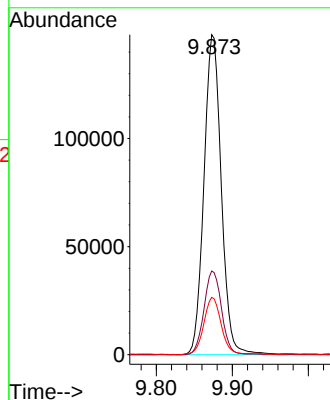
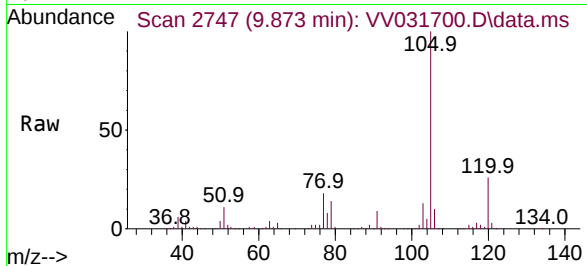




#60
Isopropylbenzene
Concen: 4.799 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

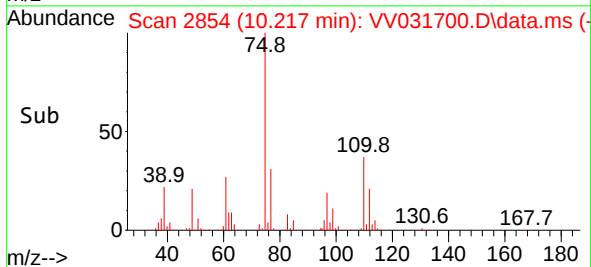
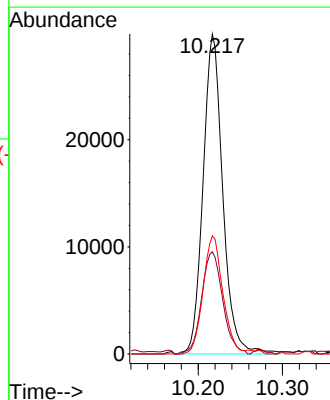
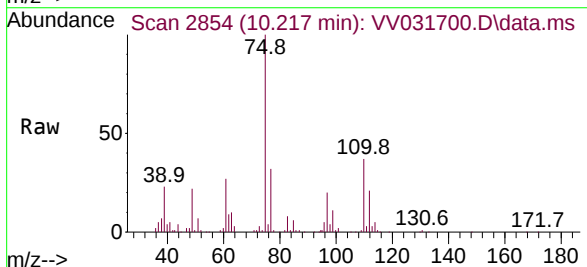
Instrument :
MSVOA_V
ClientSampleId :
VSTD005367

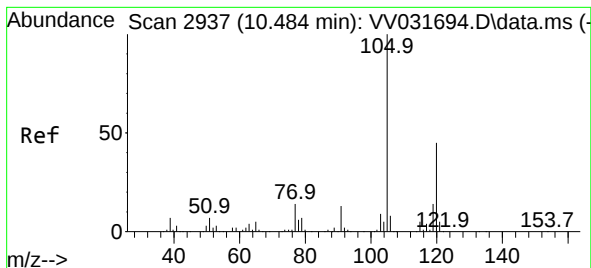
Tgt Ion:105 Resp: 234380
Ion Ratio Lower Upper
105 100
120 26.4 20.0 30.0
77 18.0 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 4.968 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031700.D
Acq: 13 Jul 2023 17:20

Tgt Ion: 75 Resp: 48694
Ion Ratio Lower Upper
75 100
77 34.0 25.9 38.9
110 37.0 28.6 42.8





#62

1,3,5-Trimethylbenzene

Concen: 4.642 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

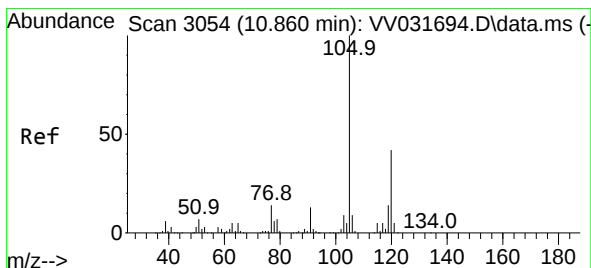
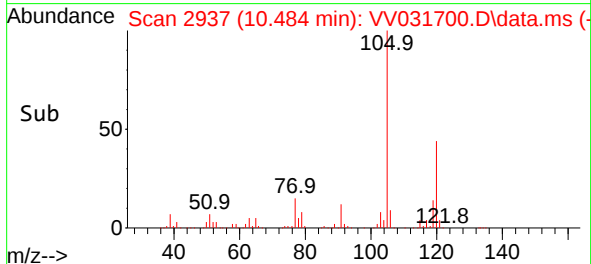
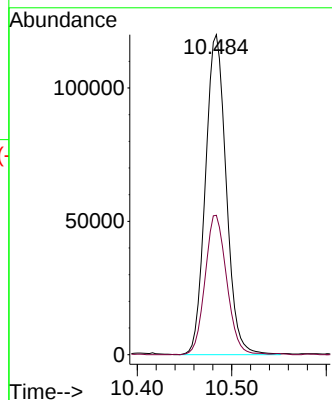
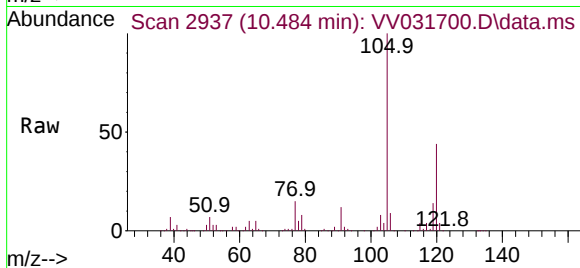
VSTD005367

Tgt Ion:105 Resp: 182938

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 4.503 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV031700.D

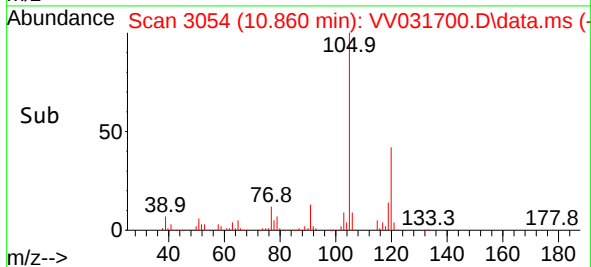
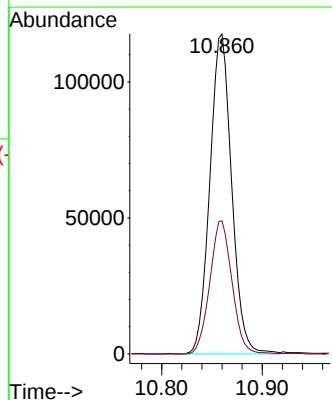
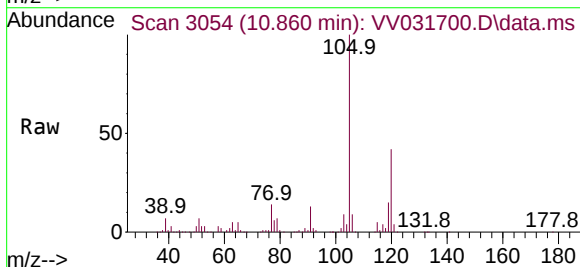
Acq: 13 Jul 2023 17:20

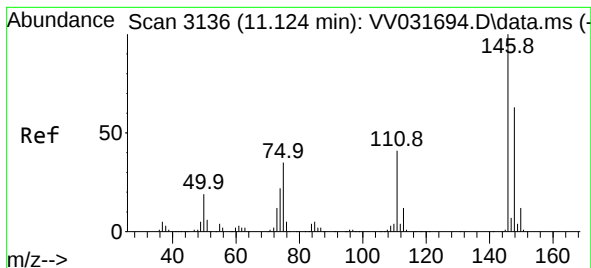
Tgt Ion:105 Resp: 177129

Ion Ratio Lower Upper

105 100

120 42.4 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 4.942 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

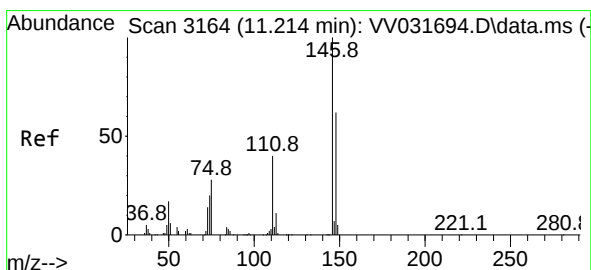
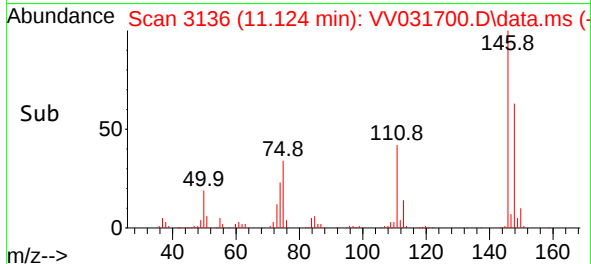
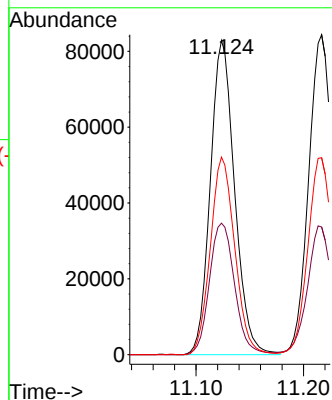
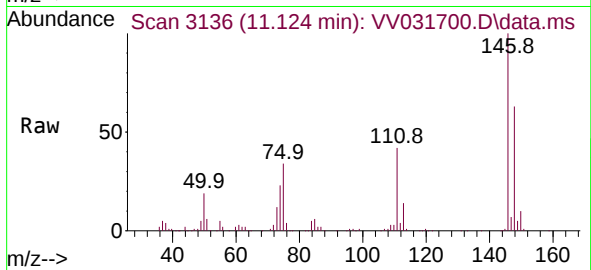
Tgt Ion:146 Resp: 130091

Ion Ratio Lower Upper

146 100

111 41.8 28.8 53.4

148 62.9 43.8 81.4



#65

1,4-Dichlorobenzene

Concen: 4.872 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

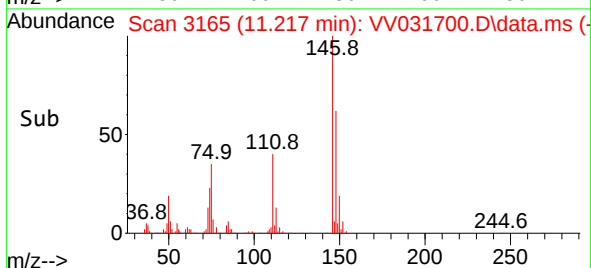
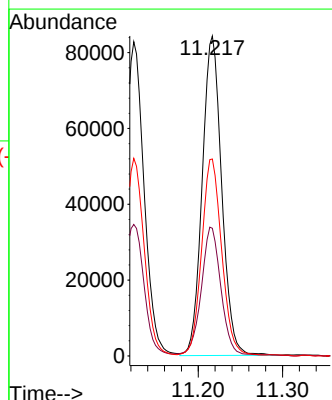
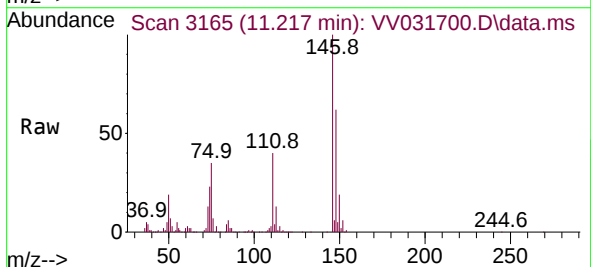
Tgt Ion:146 Resp: 135745

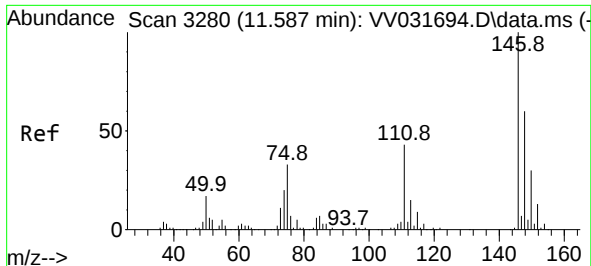
Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

148 61.5 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 4.912 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

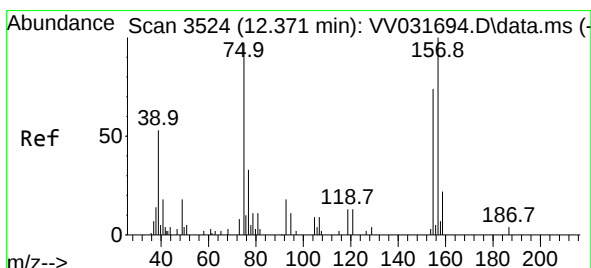
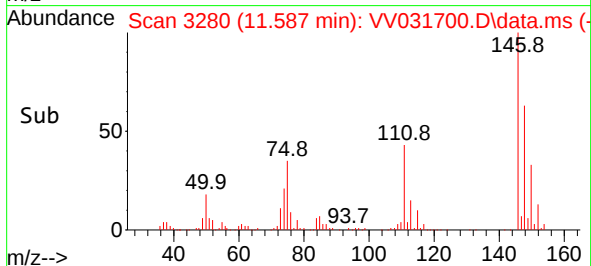
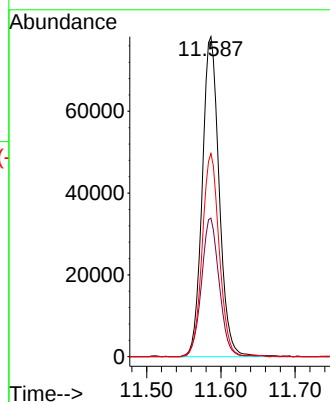
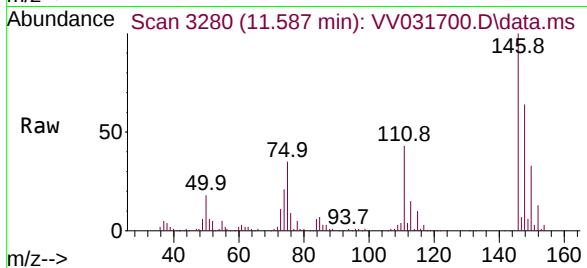
Tgt Ion:146 Resp: 123920

Ion Ratio Lower Upper

146 100

111 43.3 34.2 51.4

148 63.5 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.709 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

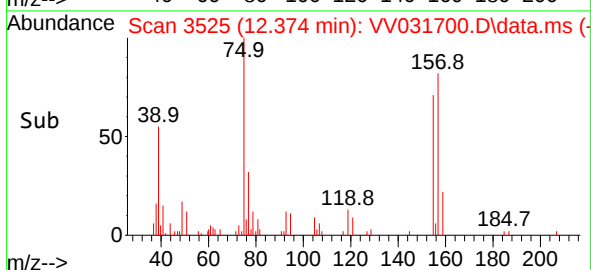
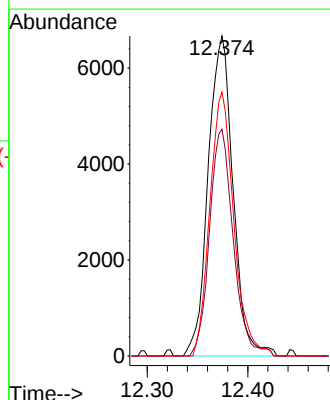
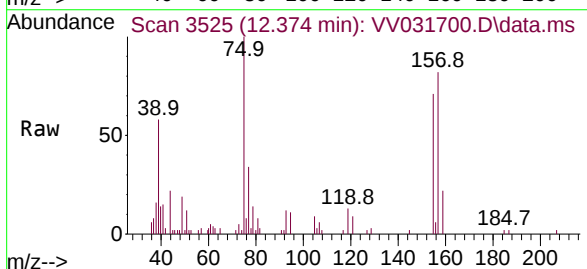
Tgt Ion: 75 Resp: 11497

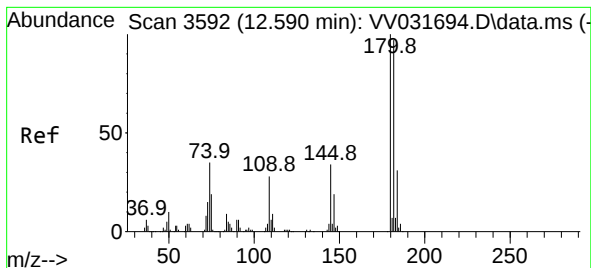
Ion Ratio Lower Upper

75 100

155 70.9 61.4 92.0

157 82.5 82.8 124.2#





#69

1,3,5-Trichlorobenzene

Concen: 4.667 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

Tgt Ion:180 Resp: 89861

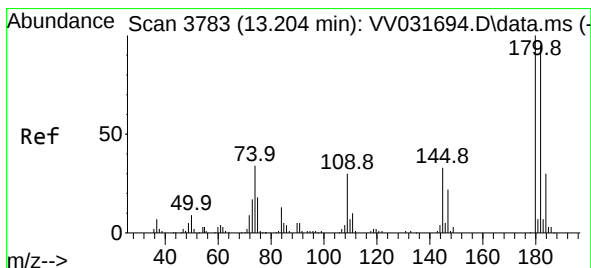
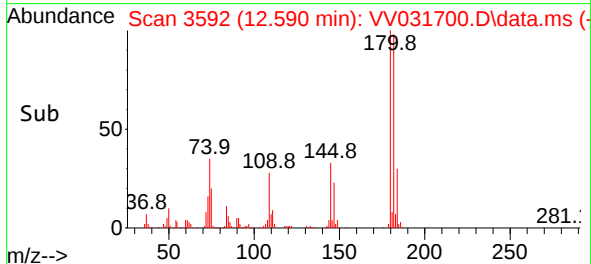
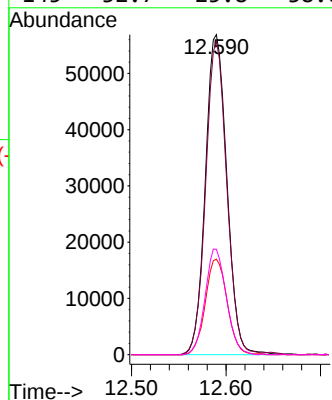
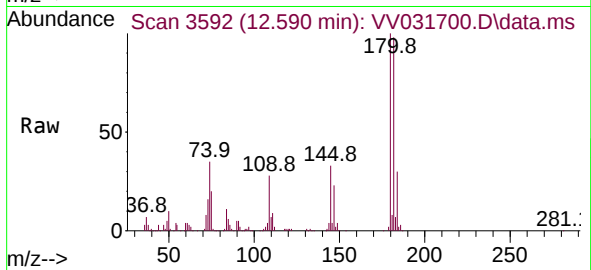
Ion Ratio Lower Upper

180 100

182 96.0 78.3 117.5

184 30.4 24.5 36.7

145 32.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.603 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

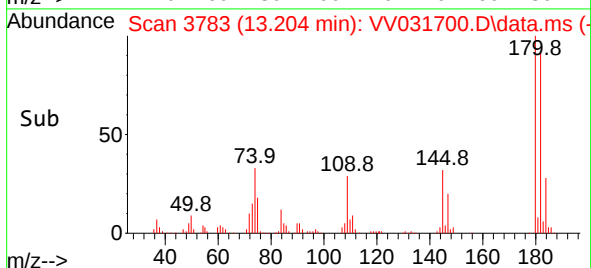
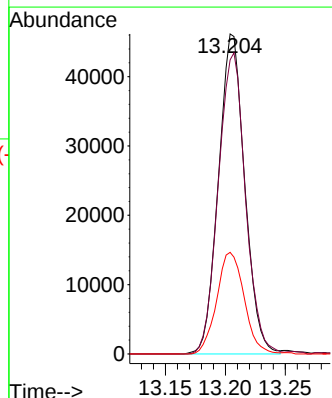
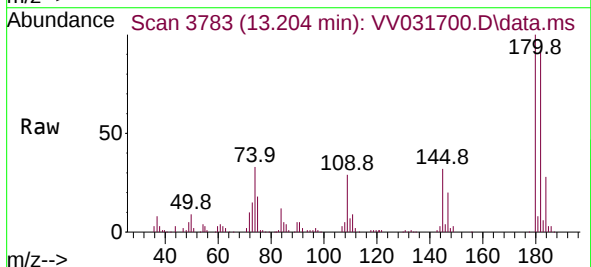
Tgt Ion:180 Resp: 70218

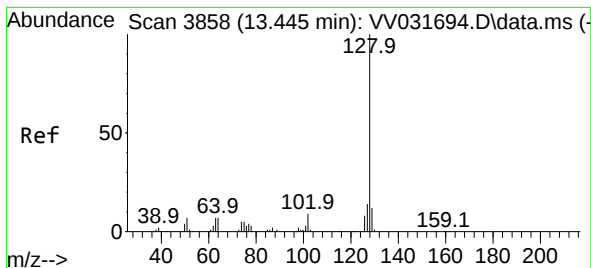
Ion Ratio Lower Upper

180 100

182 97.2 76.0 114.0

145 33.2 26.2 39.4





#71

Naphthalene

Concen: 4.399 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD005367

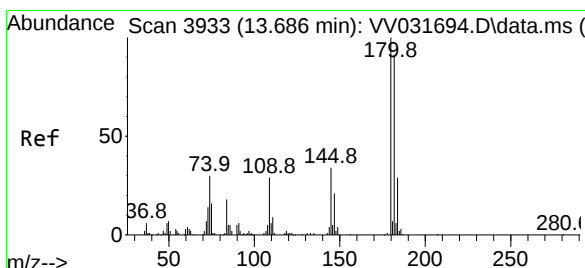
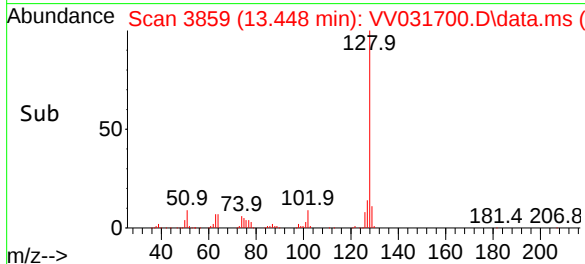
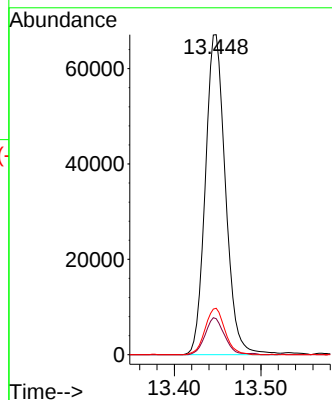
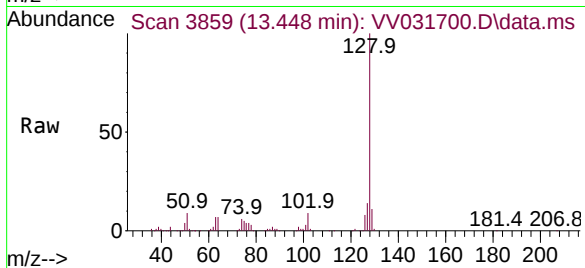
Tgt Ion:128 Resp: 108269

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

127 14.3 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 4.692 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031700.D

Acq: 13 Jul 2023 17:20

Tgt Ion:180 Resp: 66091

Ion Ratio Lower Upper

180 100

182 98.7 74.6 111.8

145 36.0 27.4 41.0

