

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031683.D
 Acq On : 11 Jul 2023 16:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050388

Quant Time: Jul 12 08:13:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	306408	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	321573	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	191266	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112373	40.519	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.040%
7) Chloroethane-d5	1.532	69	100669	50.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.320%
11) 1,1-Dichloroethene-d2	2.060	65	56827	45.998	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.000%
21) 2-Butanone-d5	3.789	46	183914	103.772	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.770%
24) Chloroform-d	4.256	84	268510	48.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.020%
26) 1,2-Dichloroethane-d4	4.947	65	163052	46.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.700%
32) Benzene-d6	4.966	84	459917	47.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	5.995	67	158260	50.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.540%
41) Toluene-d8	7.249	98	432960	49.944	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.880%
43) trans-1,3-Dichloroprop...	7.558	79	72345	46.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.960%
47) 2-Hexanone-d5	8.030	63	119564	100.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.060%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	230809	48.884	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.760%
66) 1,2-Dichlorobenzene-d4	11.567	152	163210	46.522	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	173459	45.540	ug/L	100
3) Chloromethane	1.217	50	165096	41.895	ug/L	98
5) Vinyl chloride	1.285	62	157138	42.579	ug/L	100
6) Bromomethane	1.484	94	108937	51.664	ug/L	98
8) Chloroethane	1.548	64	100197	49.239	ug/L	100
9) Trichlorofluoromethane	1.715	101	255792	48.371	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	144612	47.506	ug/L	98
12) 1,1-Dichloroethene	2.072	96	122592	46.339	ug/L	92
13) Acetone	2.111	43	117625	76.802	ug/L	100
14) Carbon disulfide	2.243	76	413604	47.482	ug/L	100
15) Methyl Acetate	2.375	43	170288	52.752	ug/L	96
16) Methylene chloride	2.449	84	153116	48.960	ug/L	94
17) trans-1,2-Dichloroethene	2.699	96	130232	48.193	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	401160	48.781	ug/L	99
19) 1,1-Dichloroethane	3.114	63	273832	49.566	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	134553	48.538	ug/L	93
22) 2-Butanone	3.870	43	211530	99.686	ug/L	98
23) Bromochloromethane	4.153	128	74762	49.602	ug/L	93
25) Chloroform	4.285	83	283815	50.087	ug/L	99

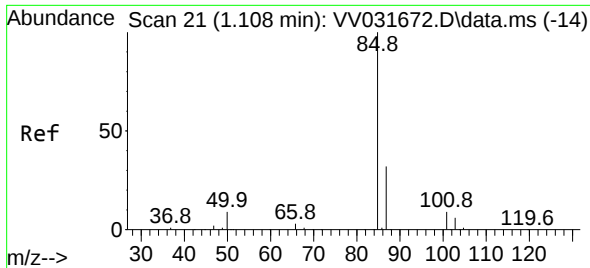
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	219303	52.094	ug/L	99
29) Cyclohexane	4.590	56	207463	49.210	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	248678	49.490	ug/L	99
31) Carbon tetrachloride	4.741	117	216124	48.530	ug/L	100
33) Benzene	5.018	78	558371	50.915	ug/L	100
34) Trichloroethene	5.838	95	151295	49.032	ug/L	94
35) Methylcyclohexane	6.056	83	208619	49.673	ug/L	98
37) 1,2-Dichloropropane	6.098	63	158695	51.764	ug/L	98
38) Bromodichloromethane	6.439	83	209629	50.442	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	222316	47.937	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	429489	112.636	ug/L	98
42) Toluene	7.320	91	594735	52.514	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	230090	49.734	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	150236	49.497	ug/L	98
46) Tetrachloroethene	7.911	164	110297	47.016	ug/L	98
48) 2-Hexanone	8.079	43	340887	106.371	ug/L	97
49) Dibromochloromethane	8.181	129	162070	48.080	ug/L	97
50) 1,2-Dibromoethane	8.288	107	163555	48.901	ug/L	96
51) Chlorobenzene	8.821	112	362540	48.293	ug/L	99
52) Ethylbenzene	8.953	91	622286	50.500	ug/L	97
53) m,p-Xylene	9.079	106	230092	50.648	ug/L	95
54) o-Xylene	9.484	106	215496	51.217	ug/L	96
55) Styrene	9.500	104	418512	54.032	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	236527	50.194	ug/L	98
59) Bromoform	9.670	173	124902	51.103	ug/L #	96
60) Isopropylbenzene	9.873	105	593895	50.850	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	200647	50.438	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	479519	50.247	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	490584	51.611	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	294970	48.624	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	310412	47.179	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	297452	47.809	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	59580	49.086	ug/L	99
69) 1,3,5-Trichlorobenzene	12.590	180	210472	46.313	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	182371	45.288	ug/L	100
71) Naphthalene	13.445	128	570440	48.955	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	203816	48.274	ug/L	99

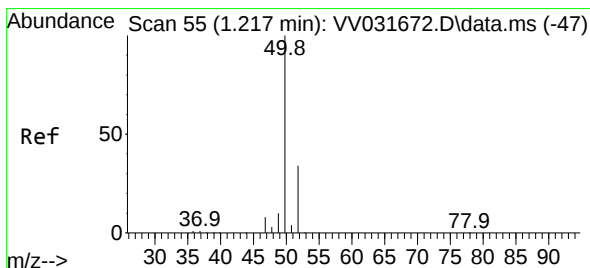
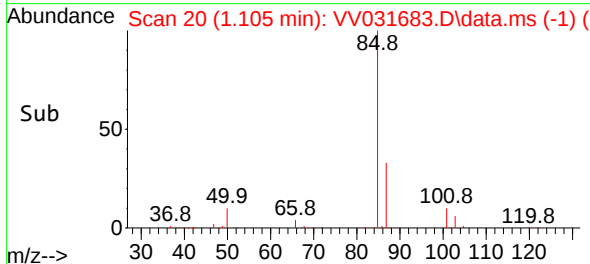
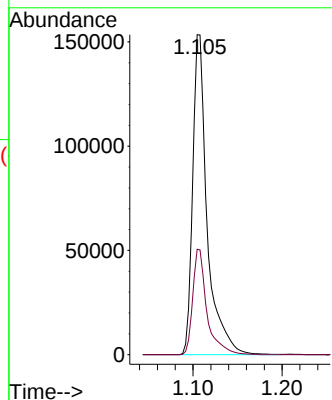
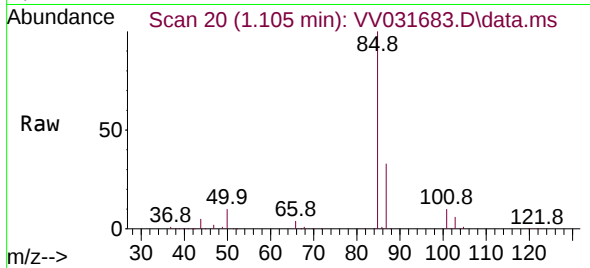
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 45.540 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

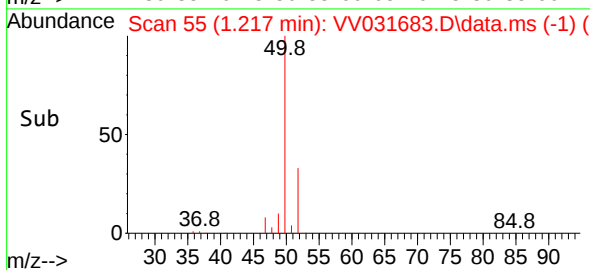
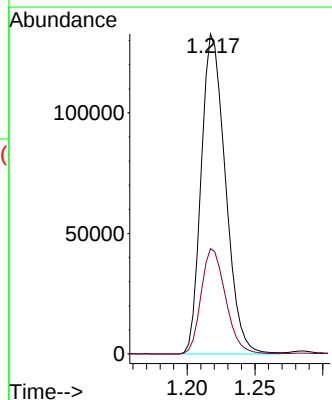
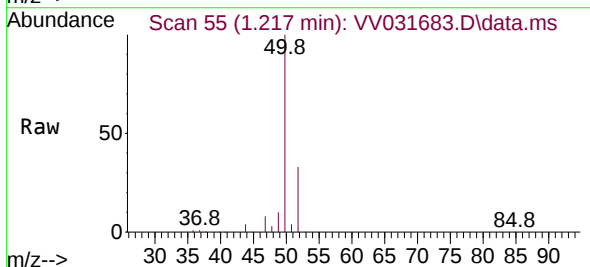
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 MSVOA_V
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 VSTD050388

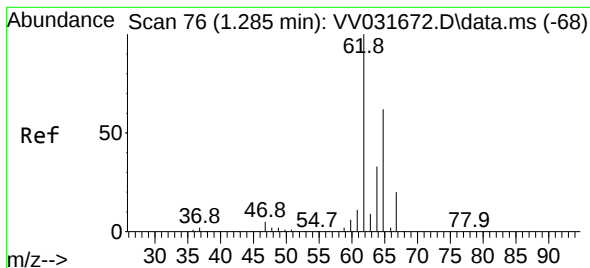
Tgt Ion: 85 Resp: 173459
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 41.895 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion: 50 Resp: 165096
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 44.1

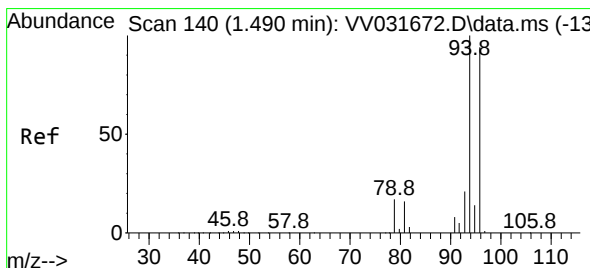
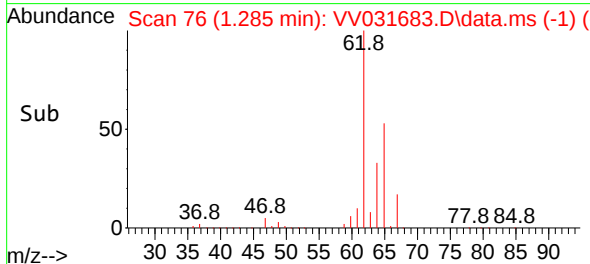
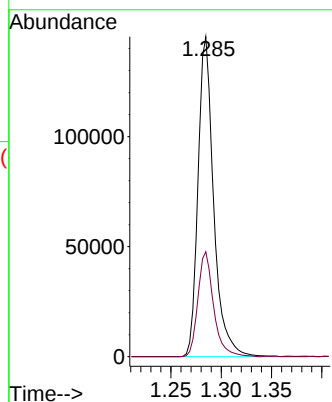
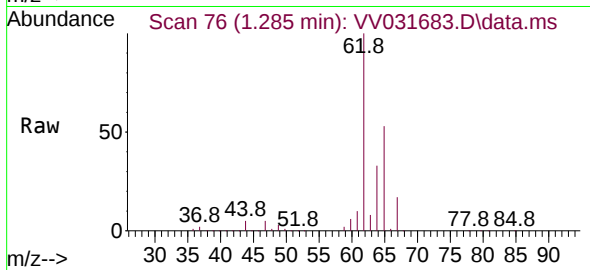




#5
 Vinyl chloride
 Concen: 42.579 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

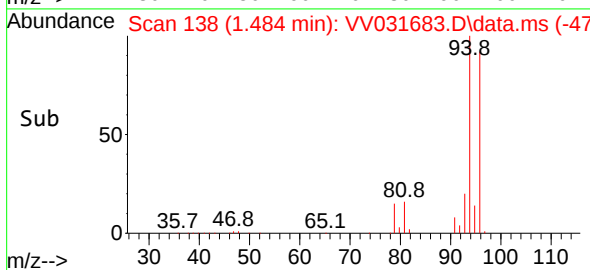
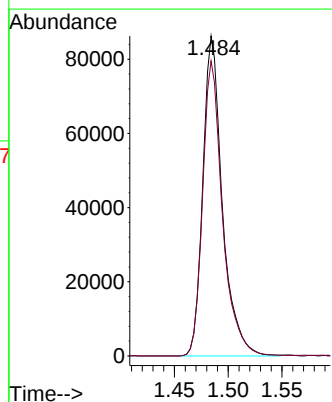
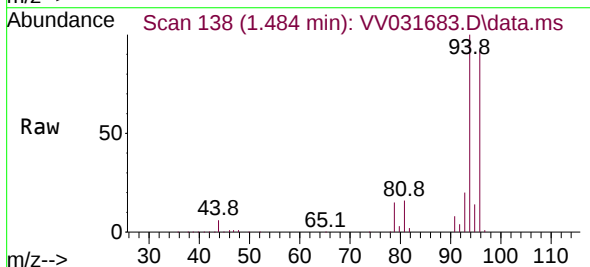
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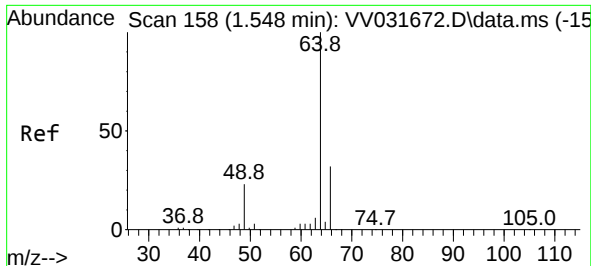
Tgt Ion: 62 Resp: 157138
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#6
 Bromomethane
 Concen: 51.664 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.006 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion: 94 Resp: 108937
 Ion Ratio Lower Upper
 94 100
 96 92.2 65.7 121.9

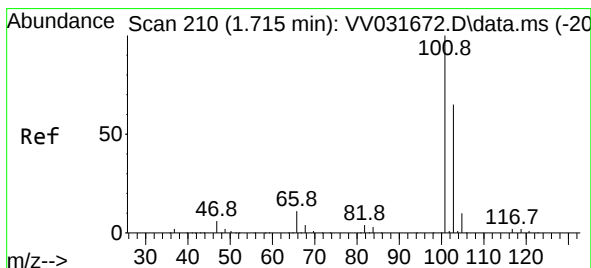
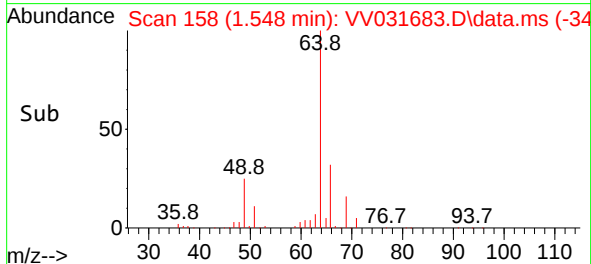
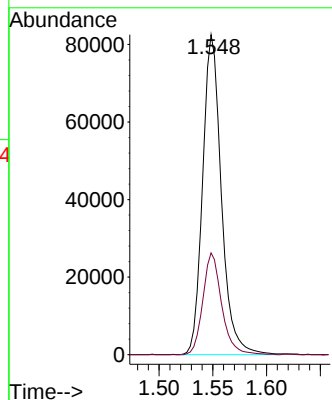
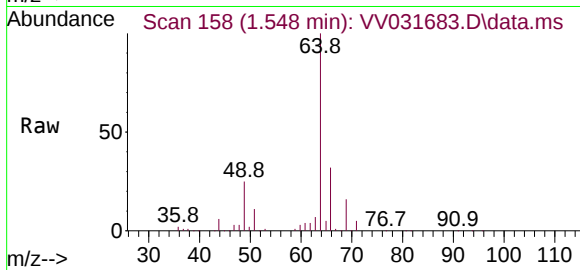




#8
Chloroethane
Concen: 49.239 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

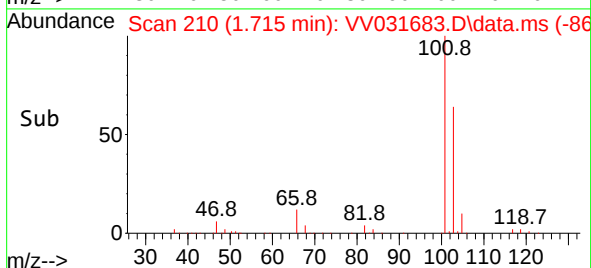
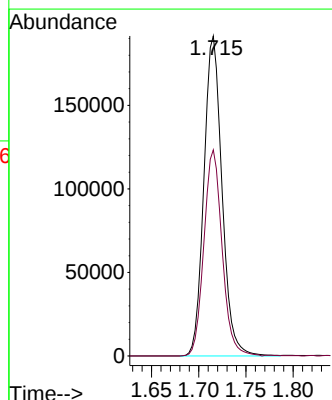
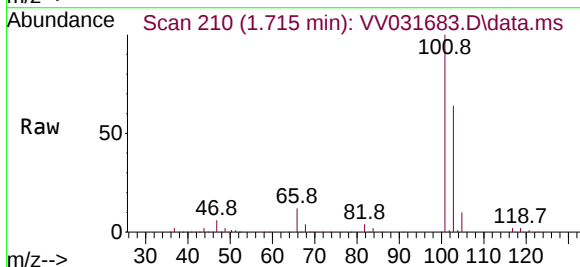
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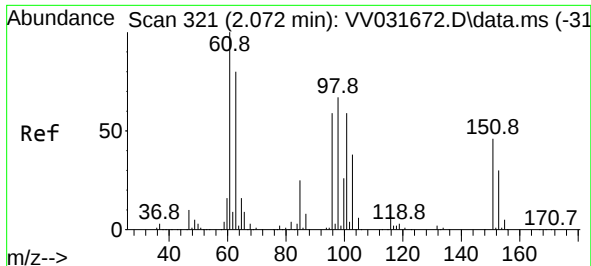
Tgt Ion: 64 Resp: 100197
Ion Ratio Lower Upper
64 100
66 31.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.371 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion:101 Resp: 255792
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

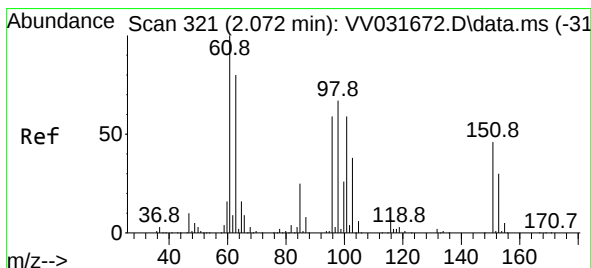
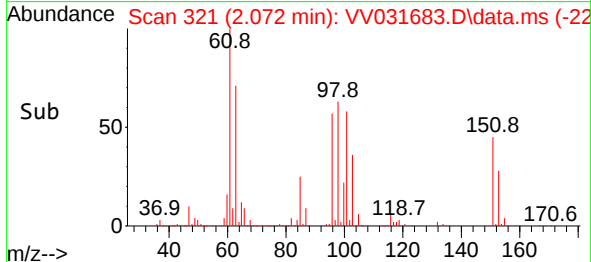
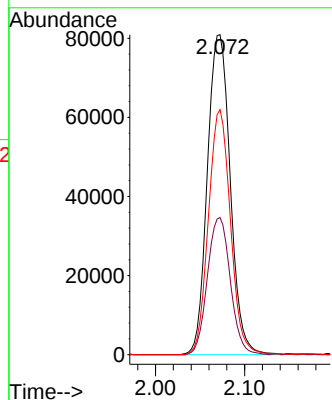
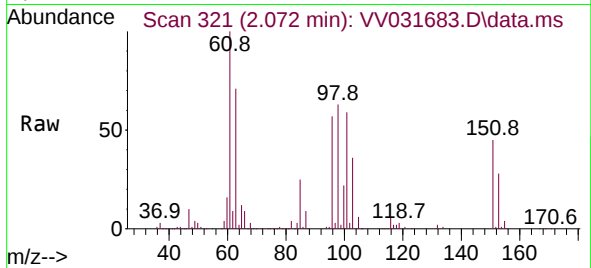




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.506 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

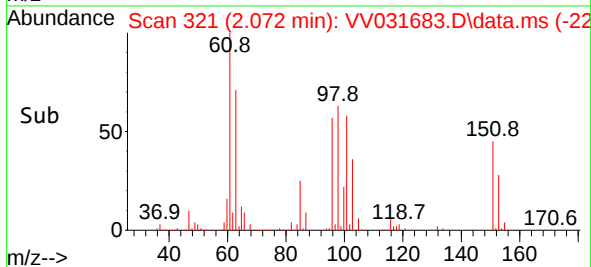
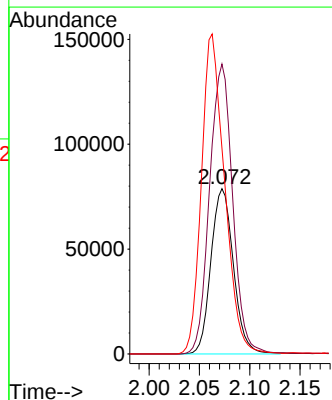
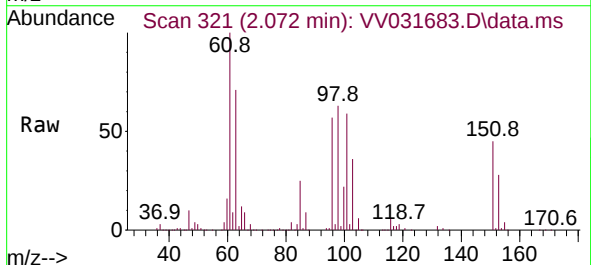
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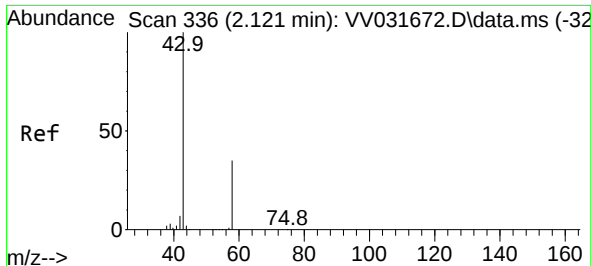
Tgt Ion:101 Resp: 144612
 Ion Ratio Lower Upper
 101 100
 85 42.8 33.9 50.9
 151 73.8 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 46.339 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion: 96 Resp: 122592
 Ion Ratio Lower Upper
 96 100
 61 175.4 118.3 219.7
 63 124.5 96.8 179.8





#13

Acetone

Concen: 76.802 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

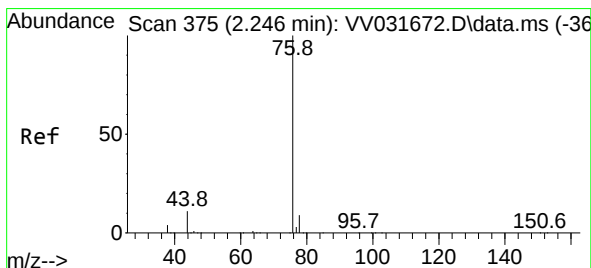
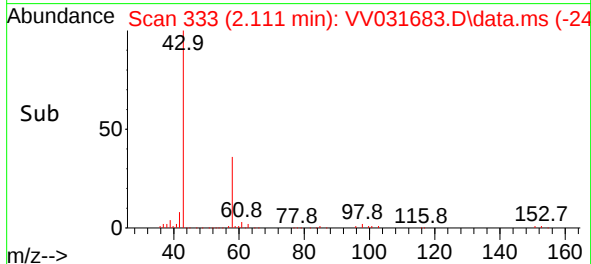
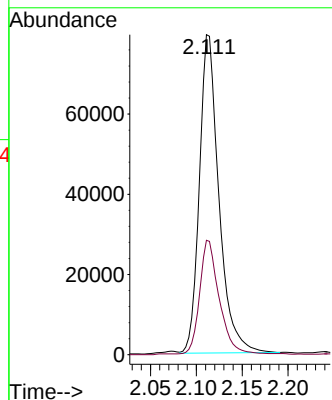
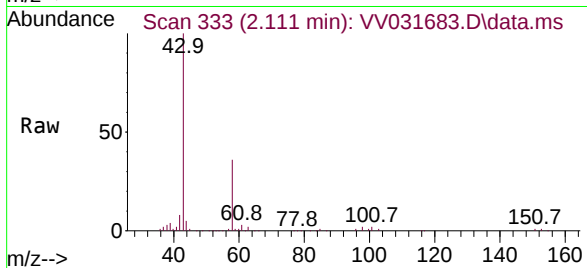
VSTD050388

Tgt Ion: 43 Resp: 117625

Ion Ratio Lower Upper

43 100

58 35.8 0.0 72.0



#14

Carbon disulfide

Concen: 47.482 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031683.D

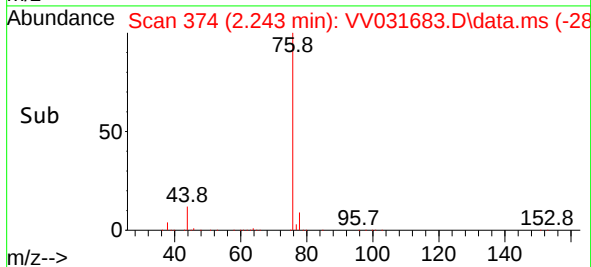
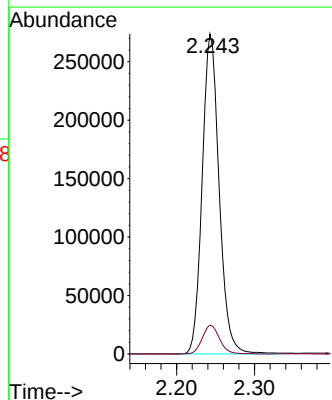
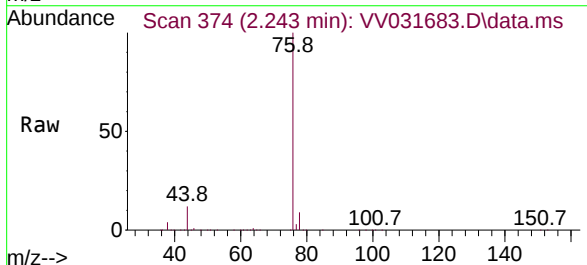
Acq: 11 Jul 2023 16:53

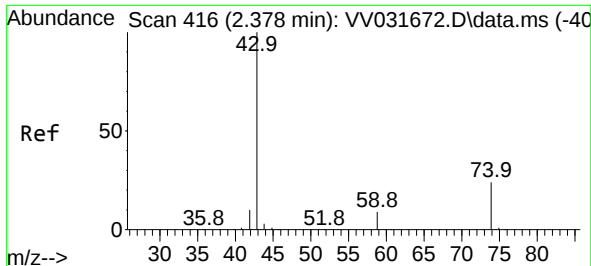
Tgt Ion: 76 Resp: 413604

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

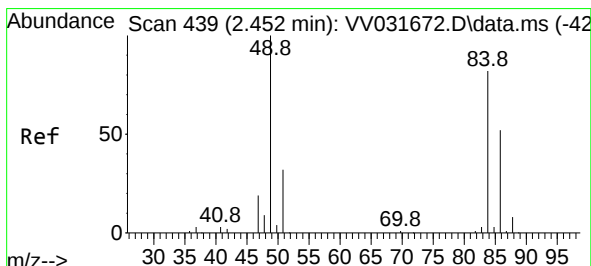
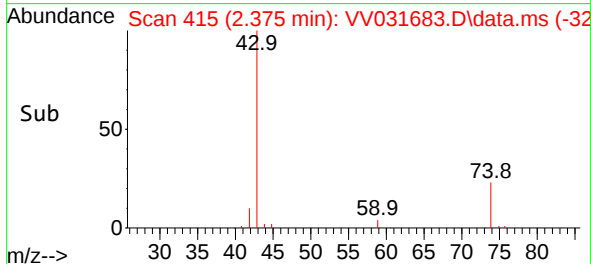
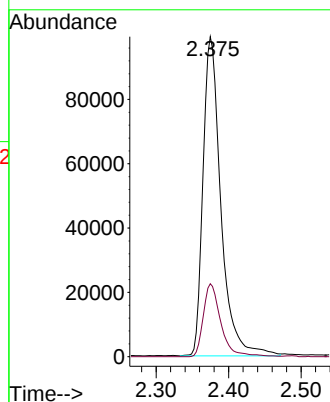
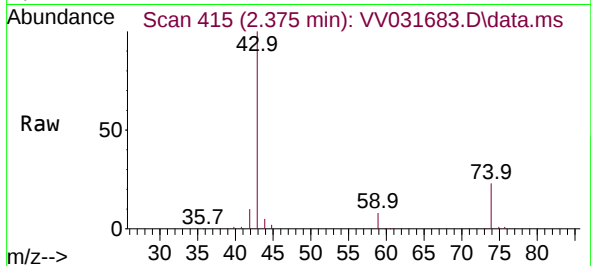




#15
Methyl Acetate
Concen: 52.752 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

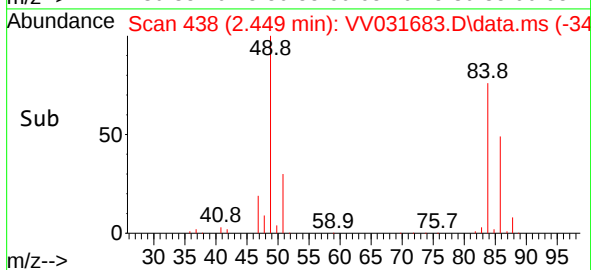
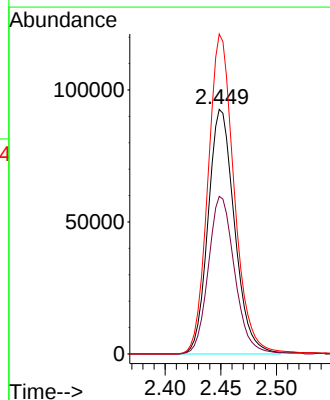
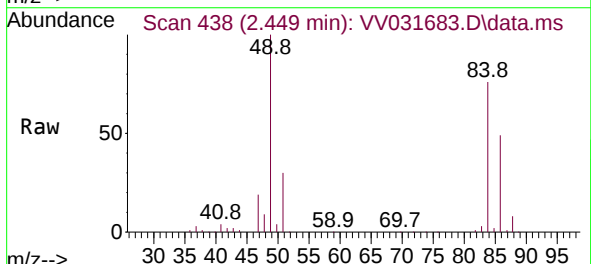
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

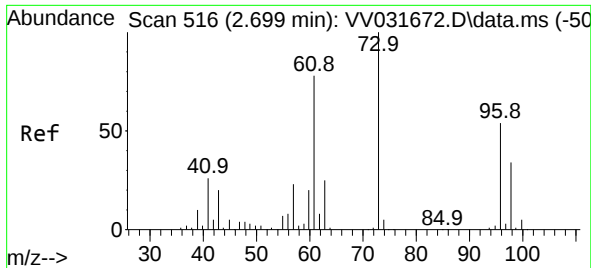
Tgt Ion: 43 Resp: 170288
Ion Ratio Lower Upper
43 100
74 22.3 19.5 29.3



#16
Methylene chloride
Concen: 48.960 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 84 Resp: 153116
Ion Ratio Lower Upper
84 100
86 64.4 44.5 82.7
49 130.8 85.3 158.5

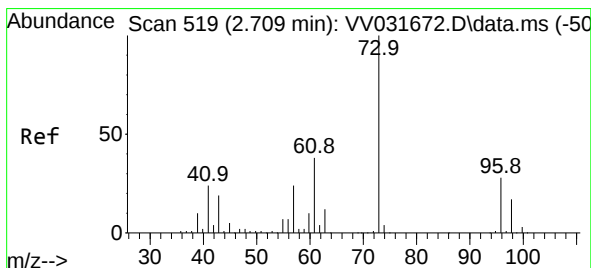
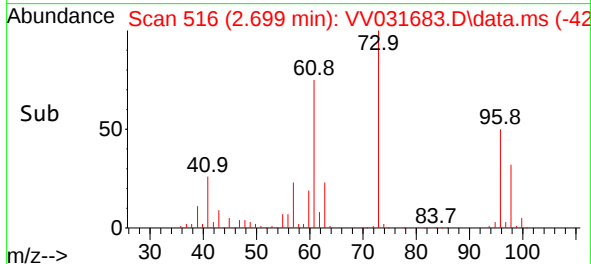
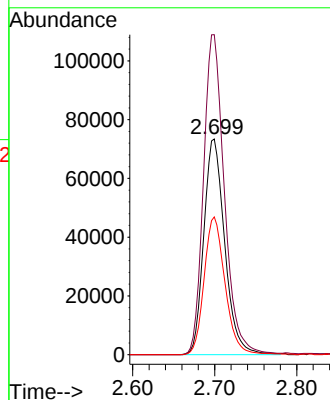
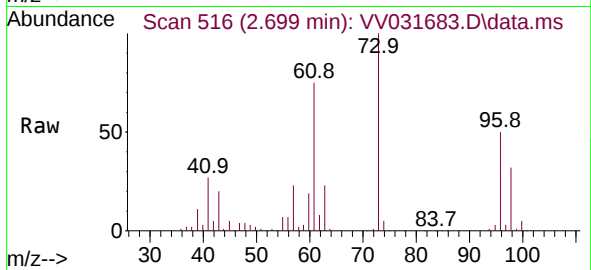




#17
trans-1,2-Dichloroethene
Concen: 48.193 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

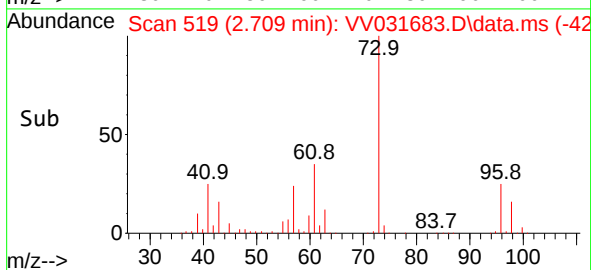
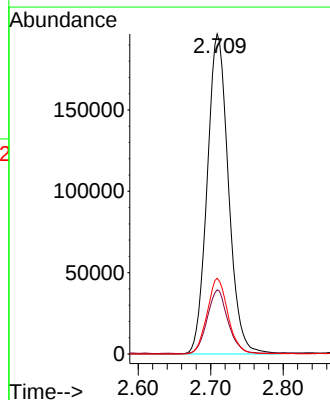
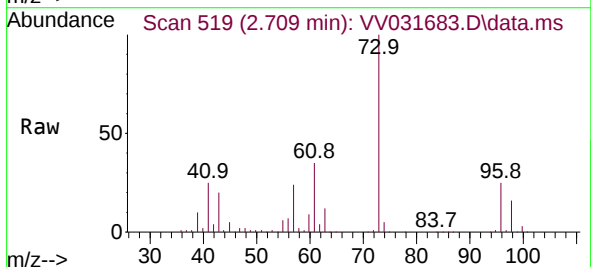
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

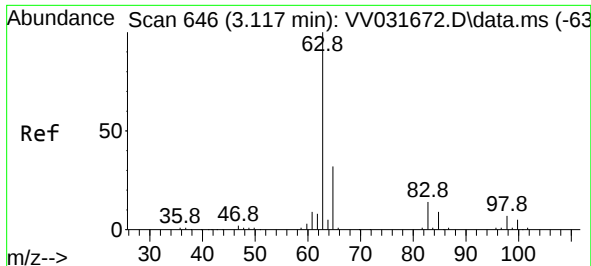
Tgt Ion: 96 Resp: 130232
Ion Ratio Lower Upper
96 100
61 148.3 101.6 188.6
98 63.8 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 48.781 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 73 Resp: 401160
Ion Ratio Lower Upper
73 100
43 19.4 15.0 22.4
57 23.2 18.3 27.5





#19

1,1-Dichloroethane

Concen: 49.566 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

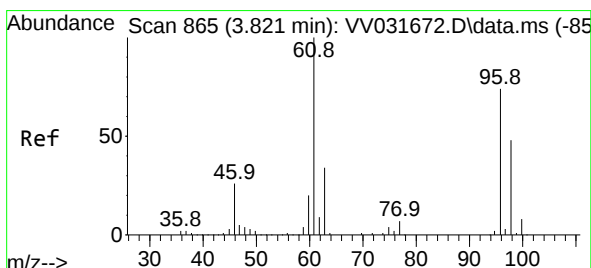
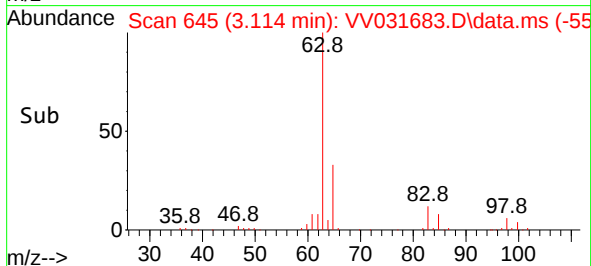
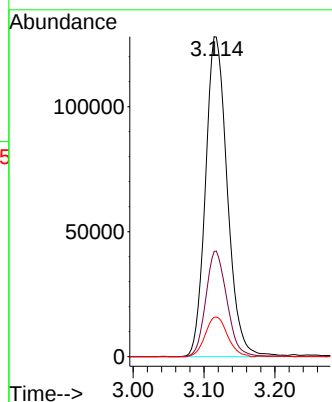
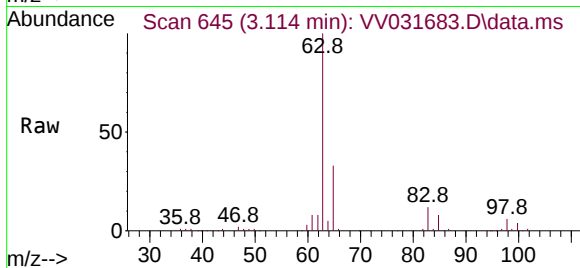
Tgt Ion: 63 Resp: 273832

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 12.3 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 48.538 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

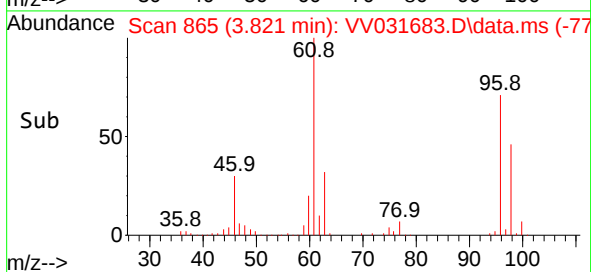
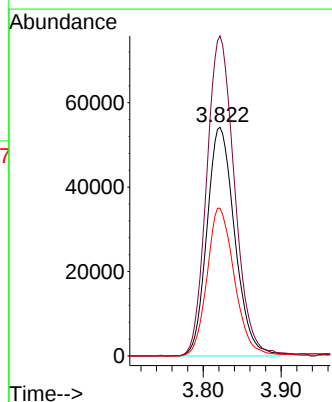
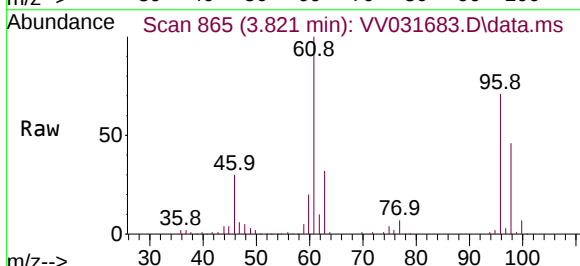
Tgt Ion: 96 Resp: 134553

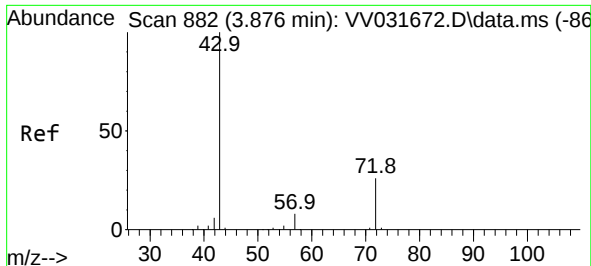
Ion Ratio Lower Upper

96 100

61 139.9 90.6 168.2

98 64.6 43.8 81.3

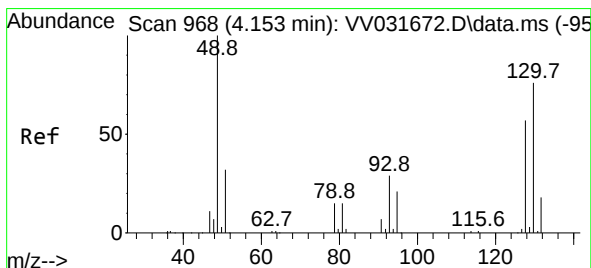
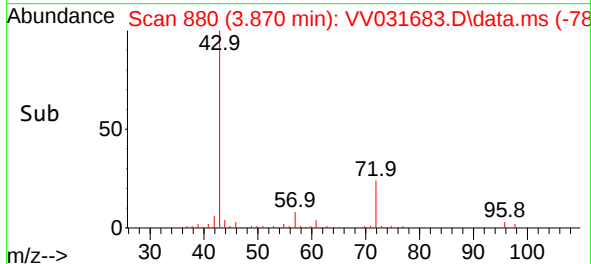
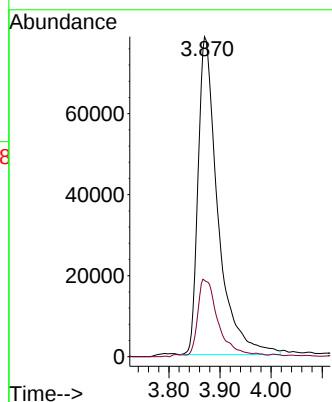
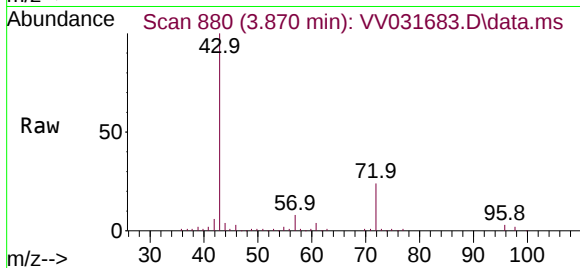




#22
2-Butanone
Concen: 99.686 ug/L
RT: 3.870 min Scan# 882
Delta R.T. -0.006 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

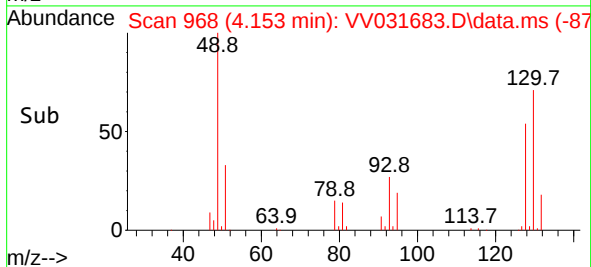
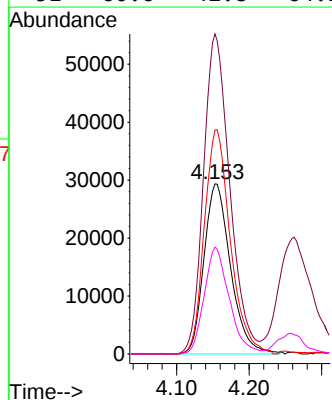
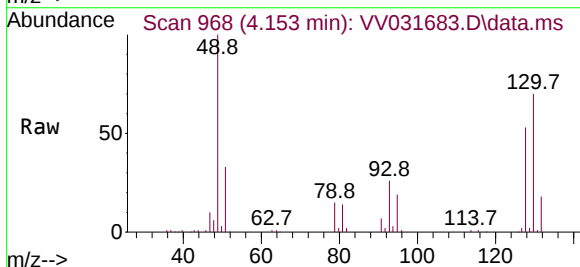
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

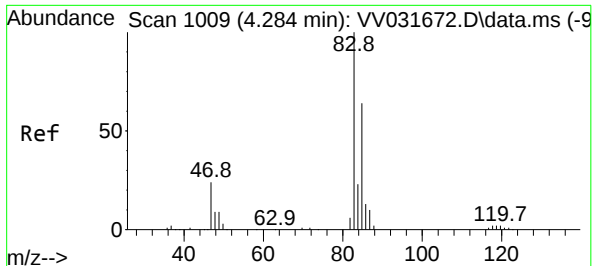
Tgt Ion: 43 Resp: 211530
Ion Ratio Lower Upper
43 100
72 24.5 12.7 38.0



#23
Bromochloromethane
Concen: 49.602 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion:128 Resp: 74762
Ion Ratio Lower Upper
128 100
49 181.7 117.9 218.9
130 129.3 89.1 165.5
51 60.6 42.8 64.2





#25

Chloroform

Concen: 50.087 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

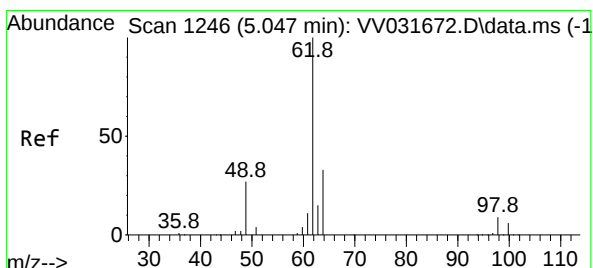
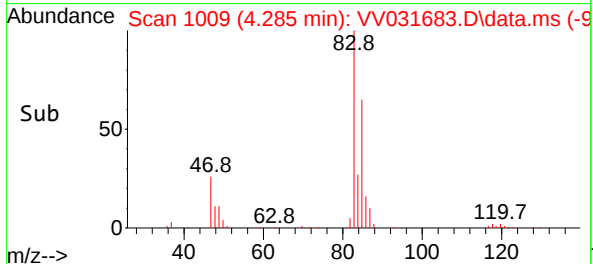
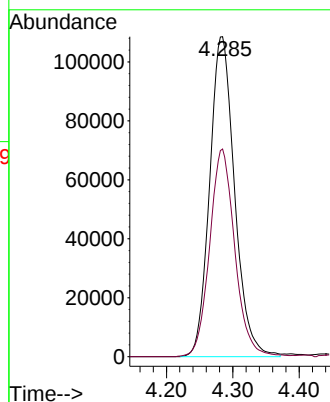
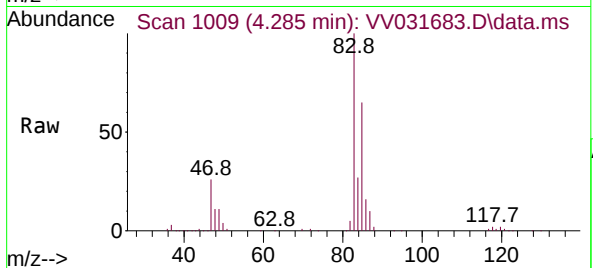
VSTD050388

Tgt Ion: 83 Resp: 283815

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 52.094 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031683.D

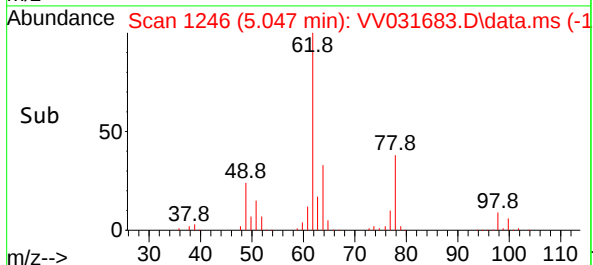
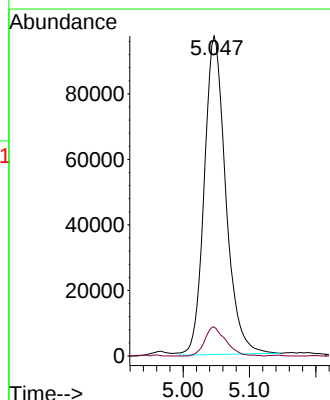
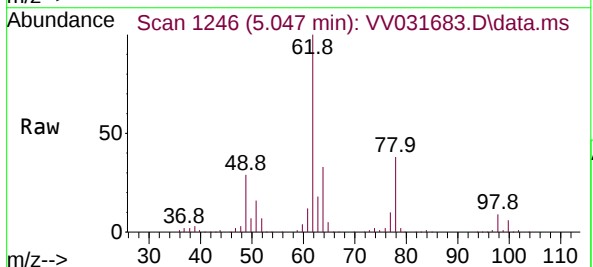
Acq: 11 Jul 2023 16:53

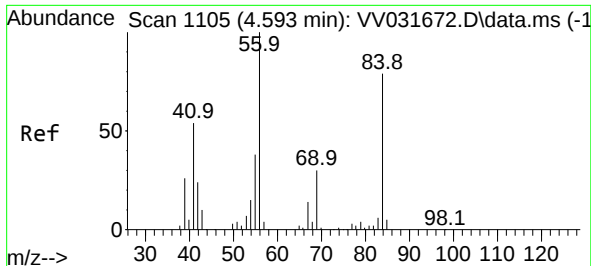
Tgt Ion: 62 Resp: 219303

Ion Ratio Lower Upper

62 100

98 9.1 7.5 11.3





#29

Cyclohexane

Concen: 49.210 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

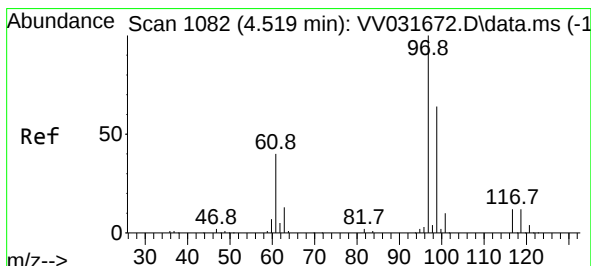
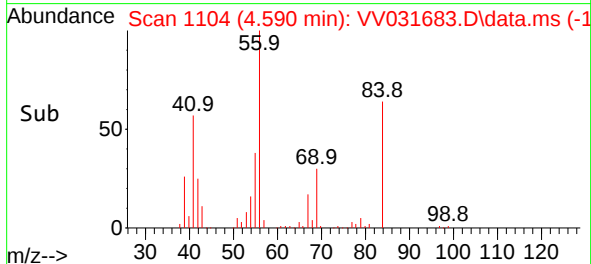
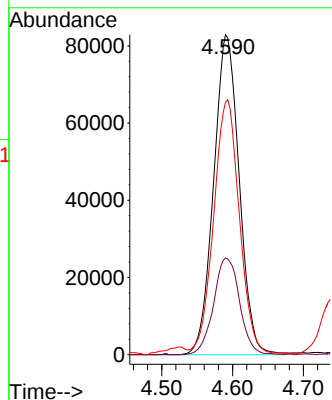
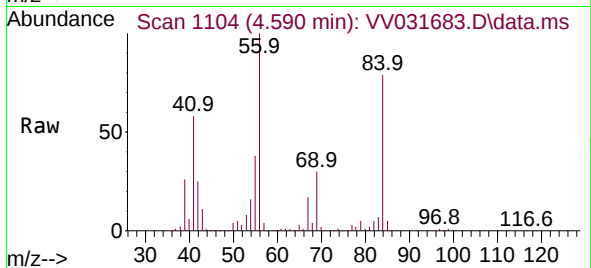
Tgt Ion: 56 Resp: 207463

Ion Ratio Lower Upper

56 100

69 30.6 24.1 36.1

84 78.8 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 49.490 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

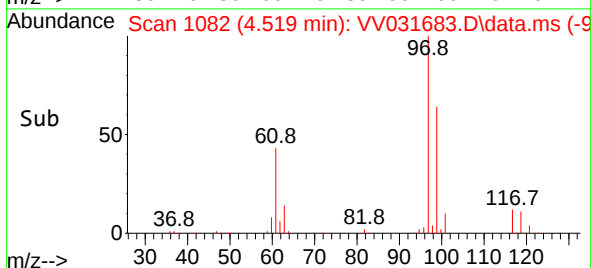
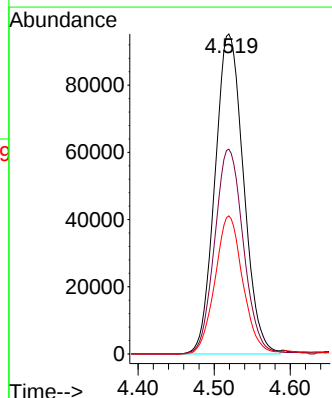
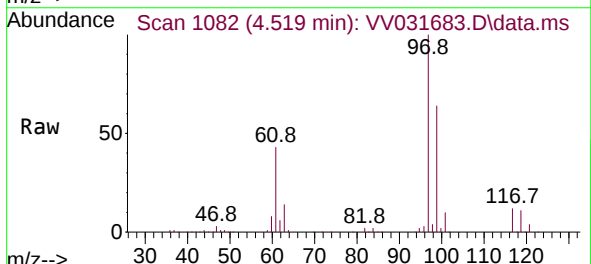
Tgt Ion: 97 Resp: 248678

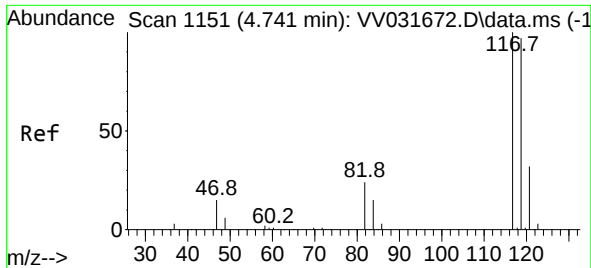
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 42.1 32.2 48.2

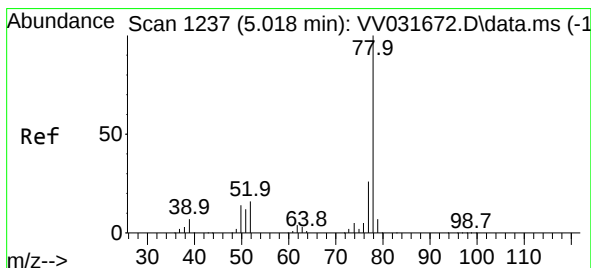
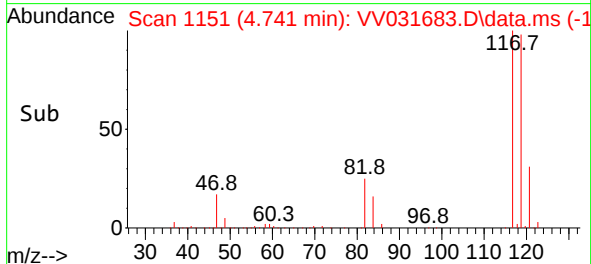
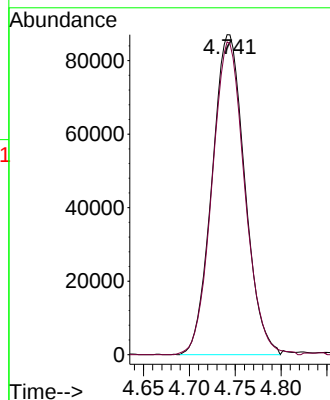
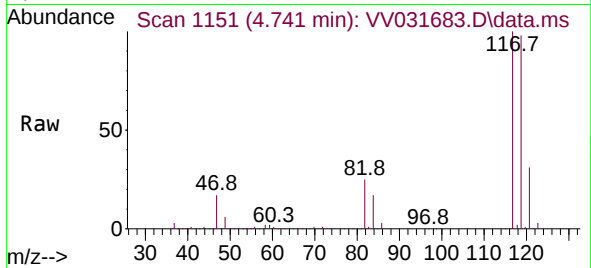




#31
Carbon tetrachloride
Concen: 48.530 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

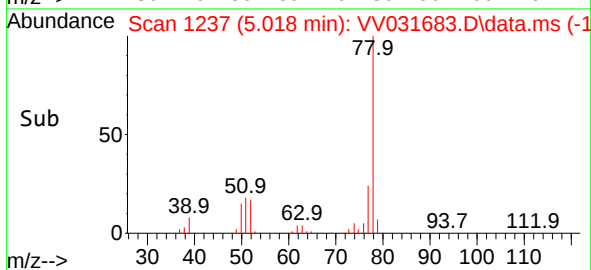
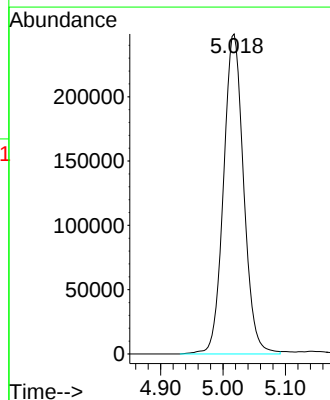
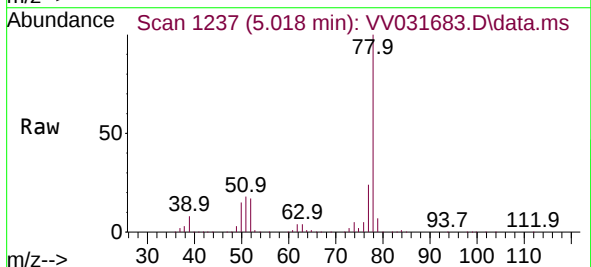
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

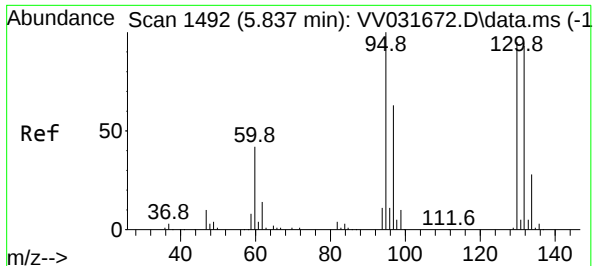
Tgt Ion:117 Resp: 216124
Ion Ratio Lower Upper
117 100
119 97.5 78.0 117.0



#33
Benzene
Concen: 50.915 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 78 Resp: 558371



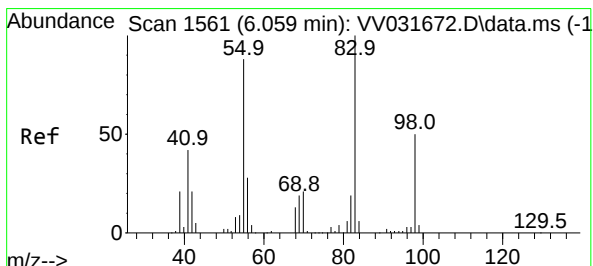
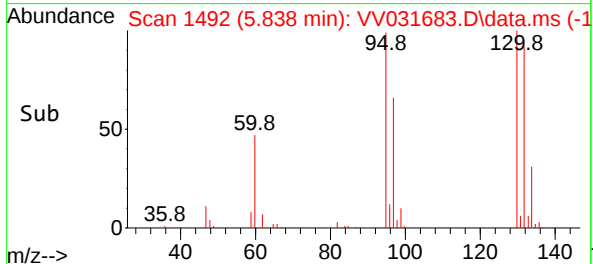
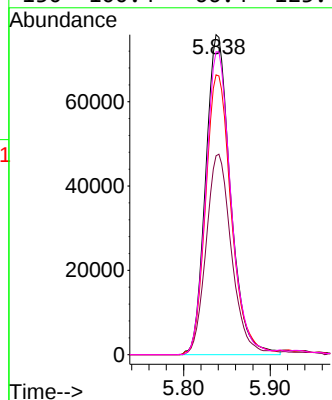
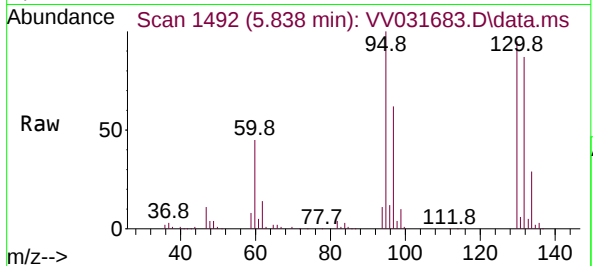


#34
 Trichloroethene
 Concen: 49.032 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050388

Tgt Ion: 95 Resp: 151295

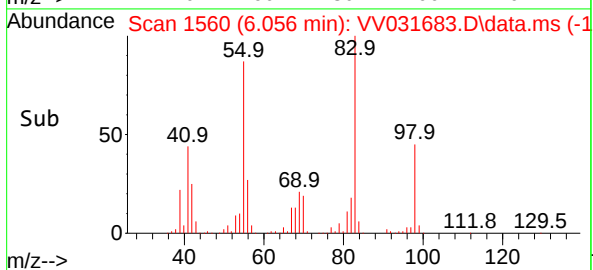
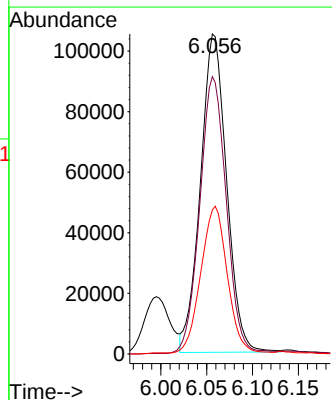
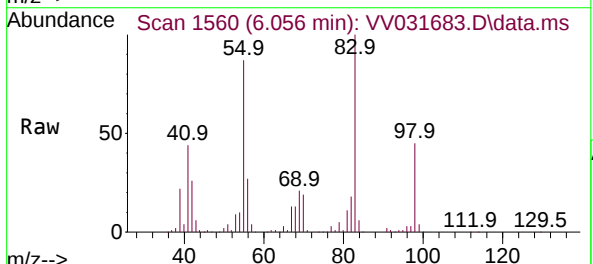
Ion	Ratio	Lower	Upper
95	100		
97	62.1	47.0	87.2
132	87.4	64.8	120.4
130	100.4	66.4	123.4

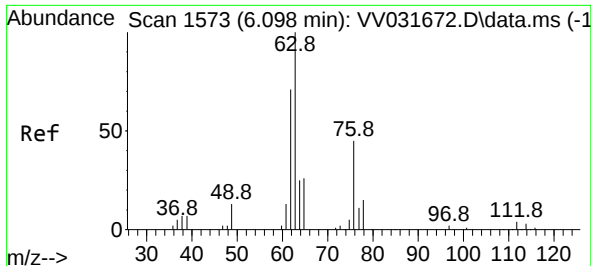


#35
 Methylcyclohexane
 Concen: 49.673 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. -0.003 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion: 83 Resp: 208619

Ion	Ratio	Lower	Upper
83	100		
55	88.4	69.4	104.2
98	46.8	38.2	57.2





#37

1,2-Dichloropropane

Concen: 51.764 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

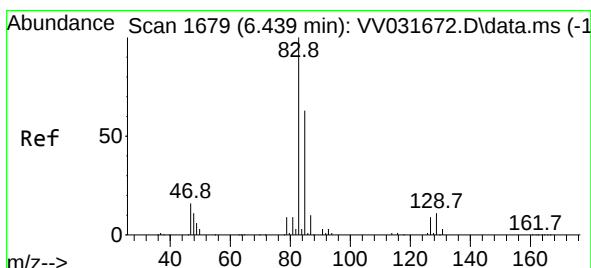
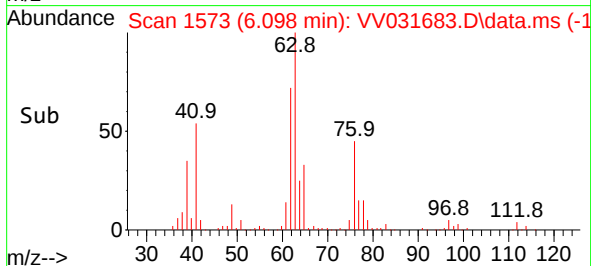
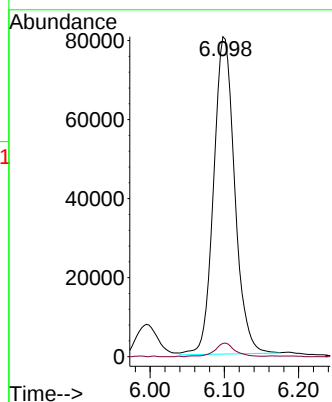
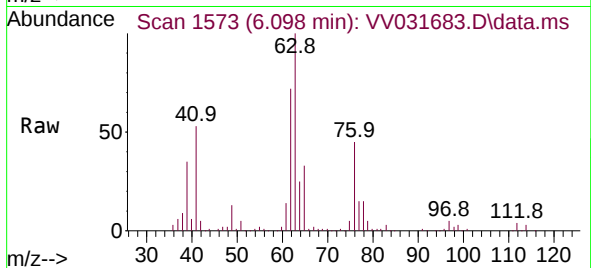
VSTD050388

Tgt Ion: 63 Resp: 158695

Ion Ratio Lower Upper

63 100

112 4.0 3.7 5.5



#38

Bromodichloromethane

Concen: 50.442 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

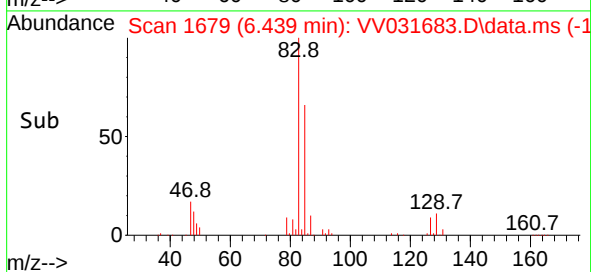
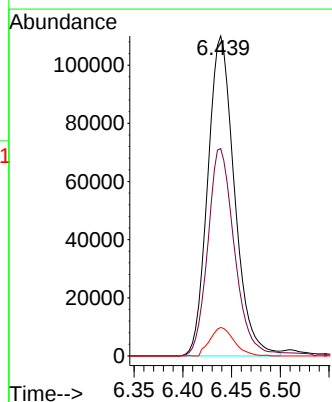
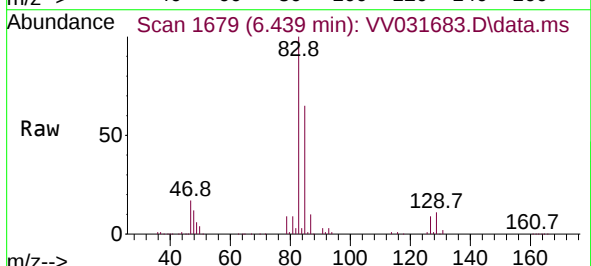
Tgt Ion: 83 Resp: 209629

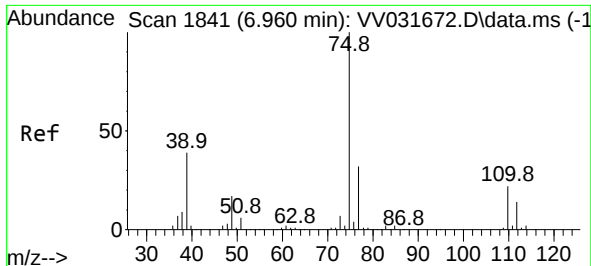
Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.0

127 9.6 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 47.937 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

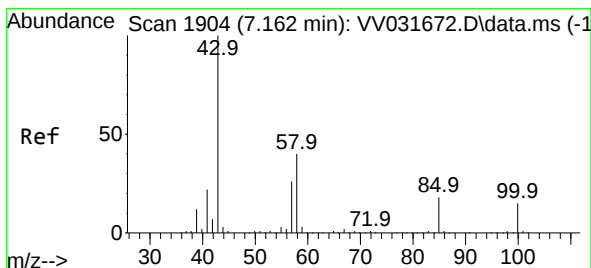
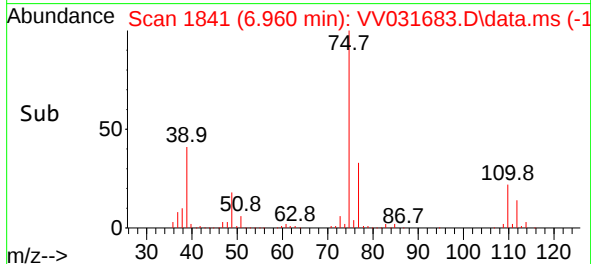
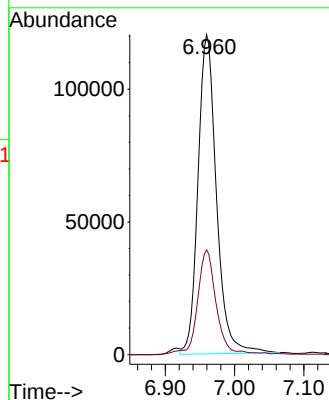
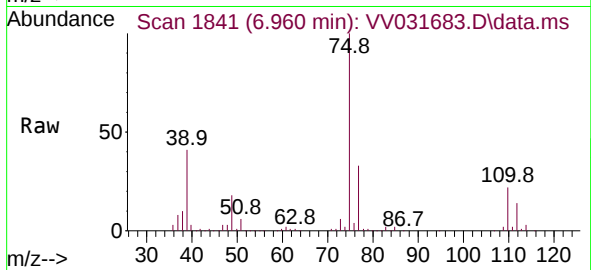
VSTD050388

Tgt Ion: 75 Resp: 222316

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 112.636 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

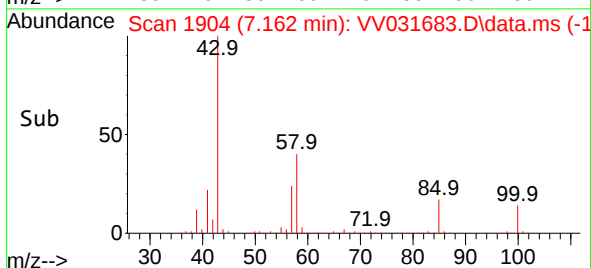
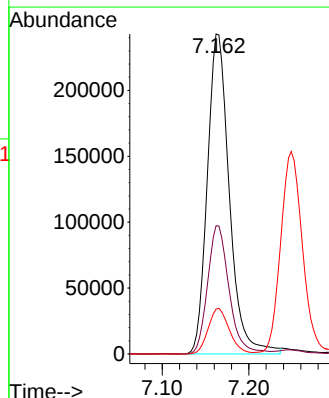
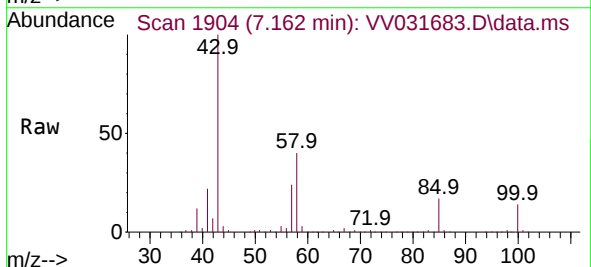
Tgt Ion: 43 Resp: 429489

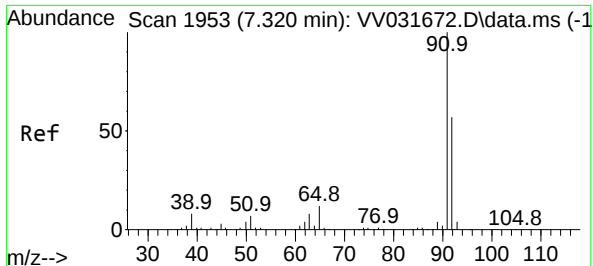
Ion Ratio Lower Upper

43 100

58 39.2 32.1 48.1

100 13.7 12.1 18.1





#42

Toluene

Concen: 52.514 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

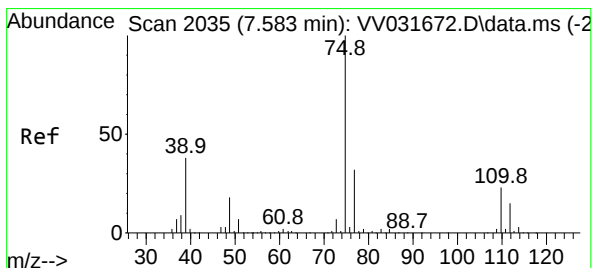
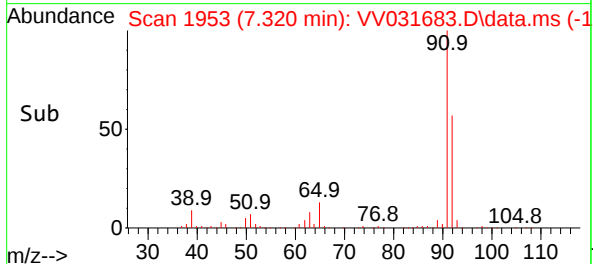
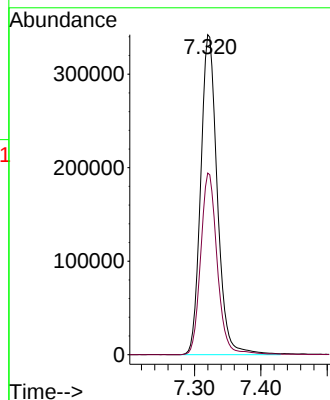
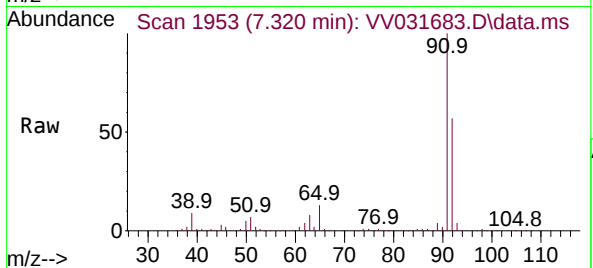
VSTD050388

Tgt Ion: 91 Resp: 594735

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 49.734 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031683.D

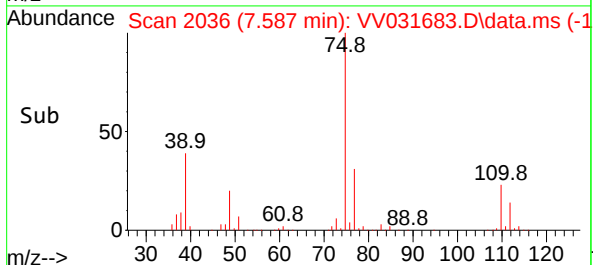
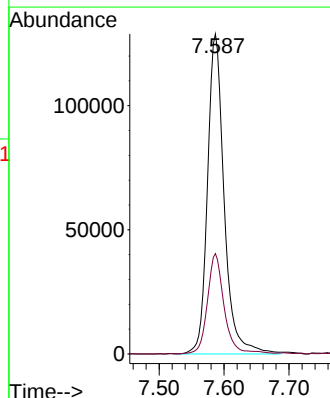
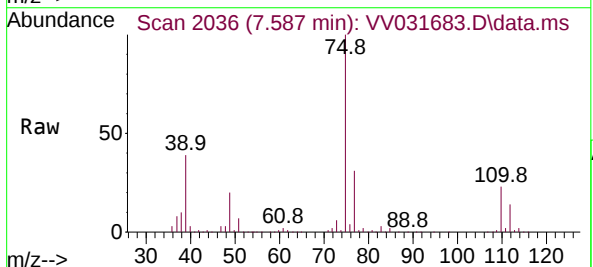
Acq: 11 Jul 2023 16:53

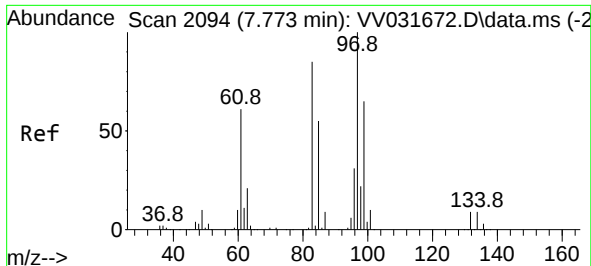
Tgt Ion: 75 Resp: 230090

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 49.497 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

Tgt Ion: 97 Resp: 150236

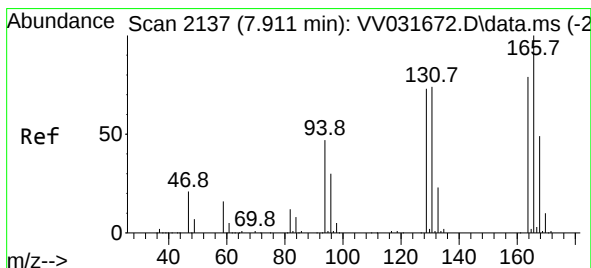
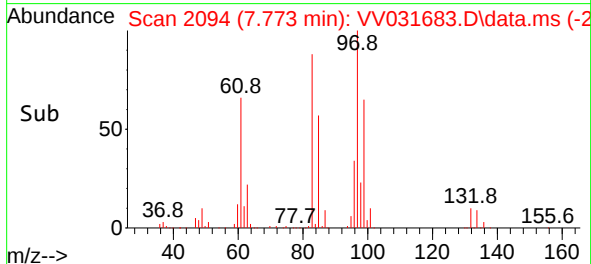
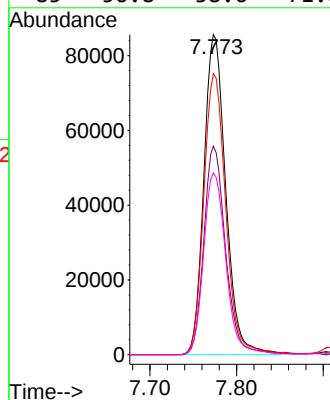
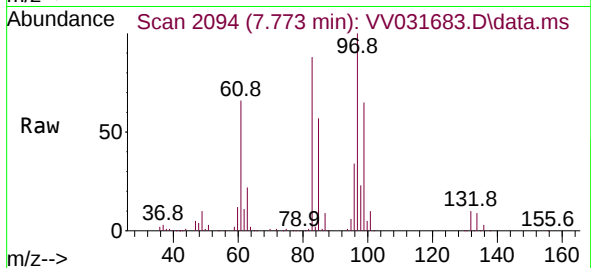
Ion Ratio Lower Upper

97 100

99 65.2 45.2 84.0

83 87.8 59.5 110.5

85 56.8 38.6 71.8



#46

Tetrachloroethene

Concen: 47.016 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Tgt Ion:164 Resp: 110297

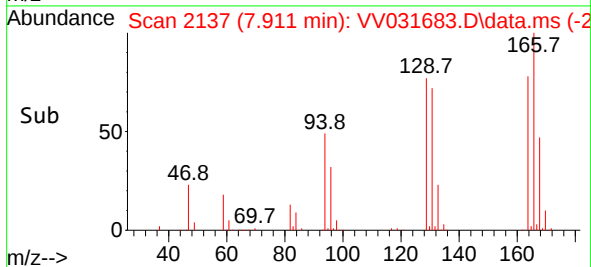
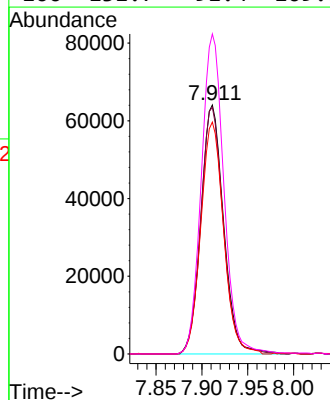
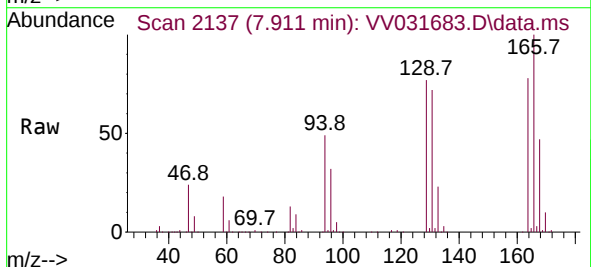
Ion Ratio Lower Upper

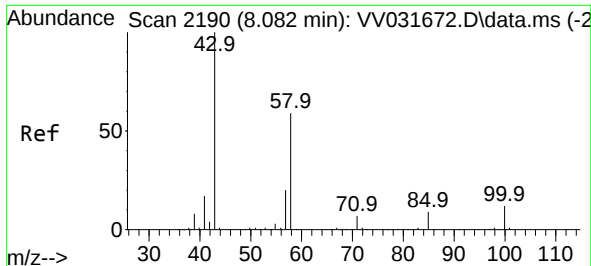
164 100

129 99.1 65.2 121.0

131 95.4 67.1 124.7

166 131.7 91.4 169.8



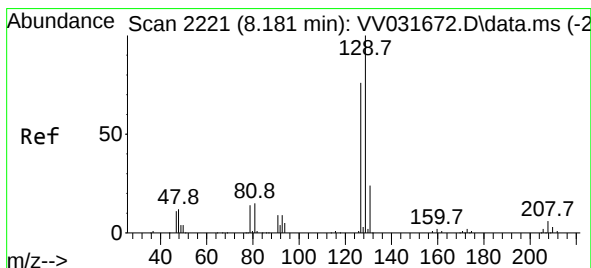
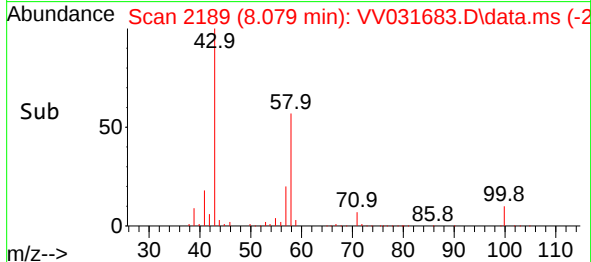
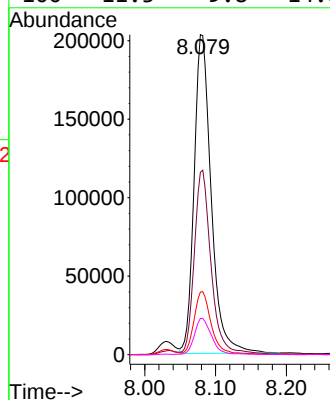
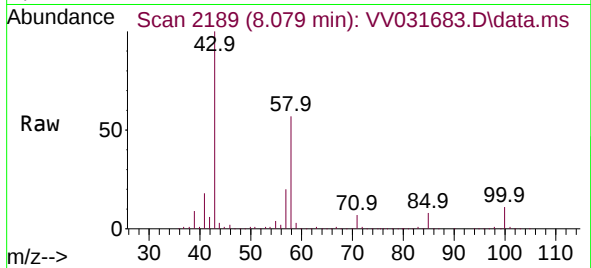


#48
2-Hexanone
Concen: 106.371 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

Tgt Ion: 43 Resp: 340887

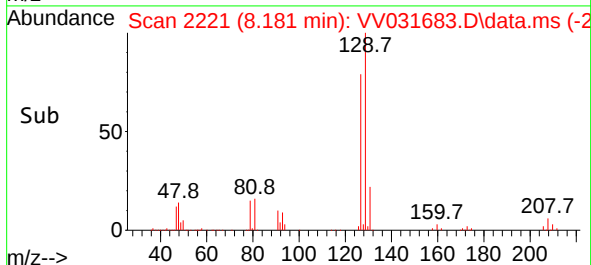
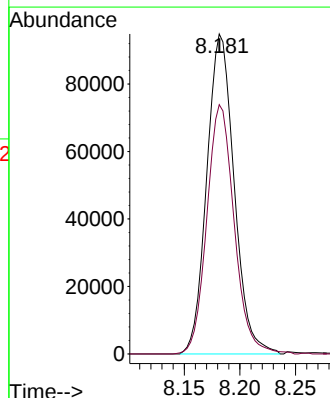
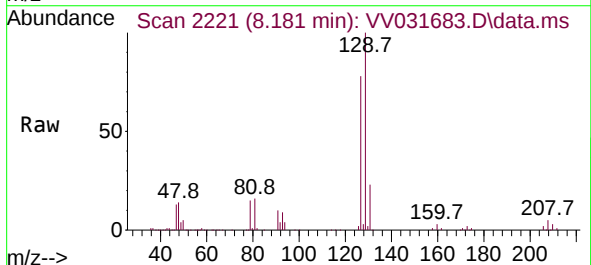
Ion	Ratio	Lower	Upper
43	100		
58	56.3	46.3	69.5
57	18.6	16.8	25.2
100	11.3	9.8	14.8

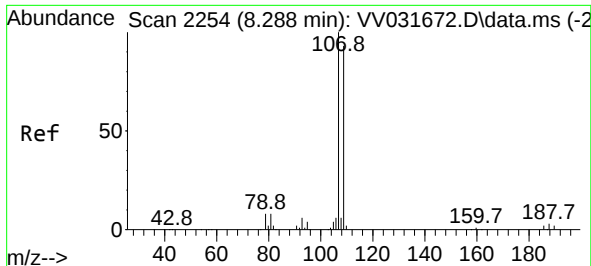


#49
Dibromochloromethane
Concen: 48.080 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 129 Resp: 162070

Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.2	102.6





#50

1,2-Dibromoethane

Concen: 48.901 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

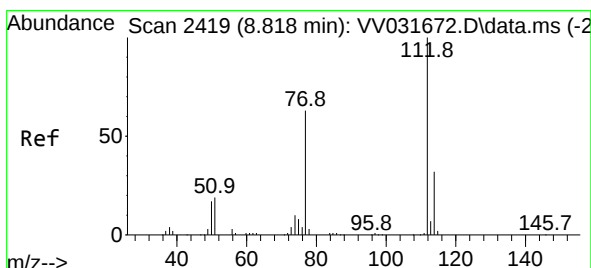
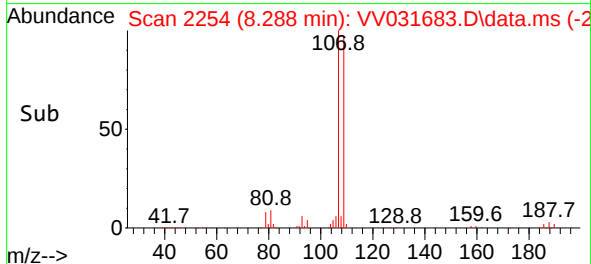
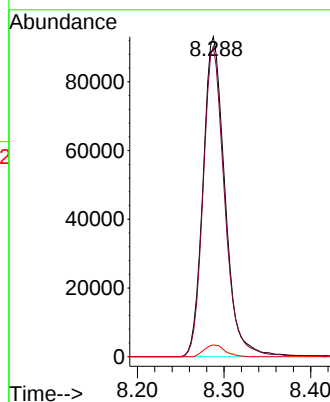
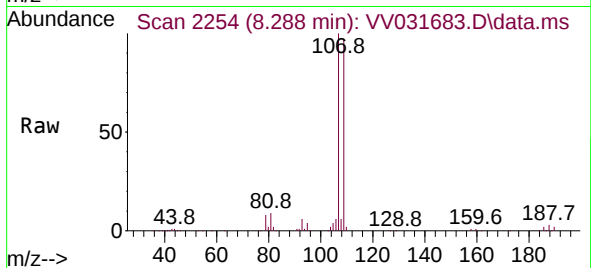
Tgt Ion:107 Resp: 163555

Ion Ratio Lower Upper

107 100

109 96.9 65.4 121.4

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 48.293 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

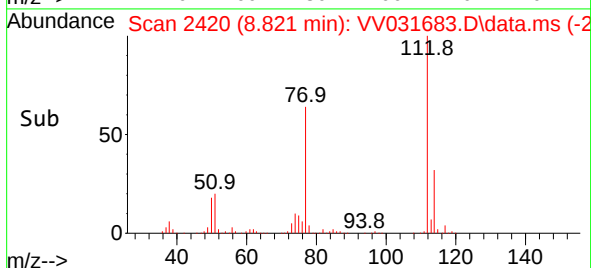
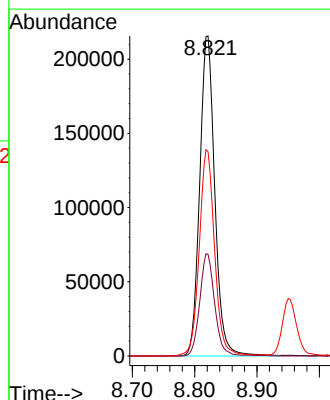
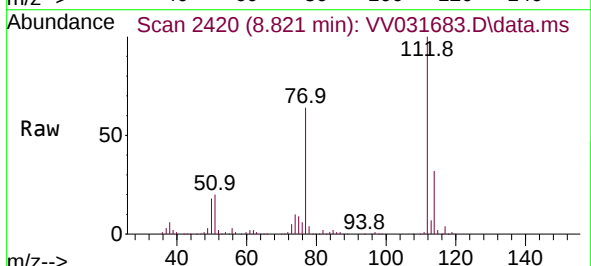
Tgt Ion:112 Resp: 362540

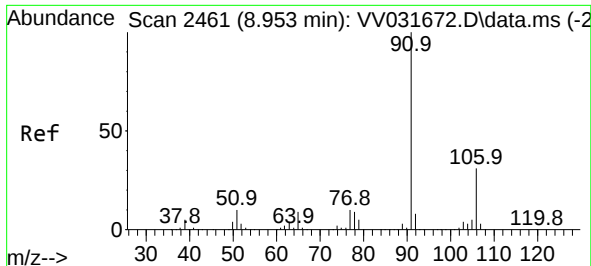
Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

77 63.8 50.6 76.0

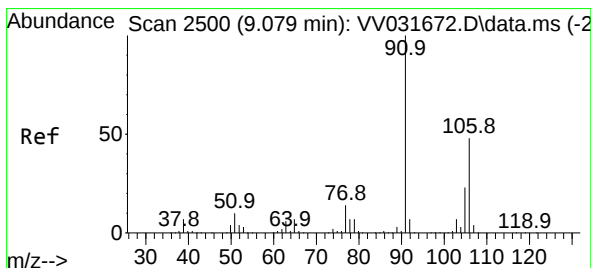
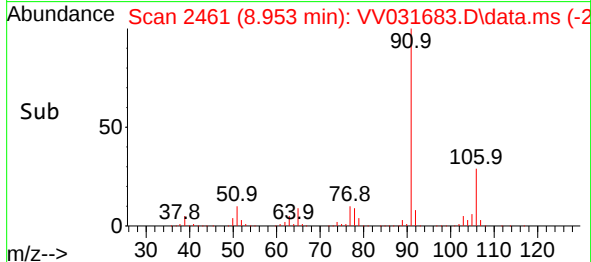
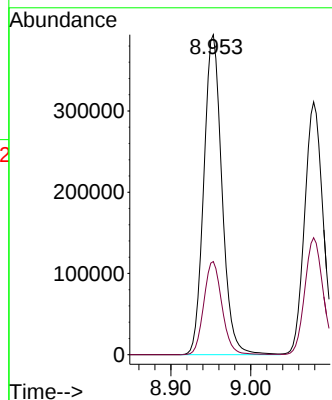
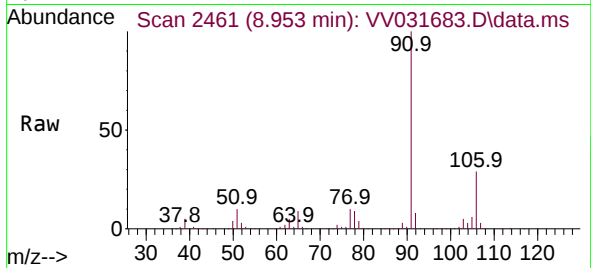




#52
Ethylbenzene
Concen: 50.500 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

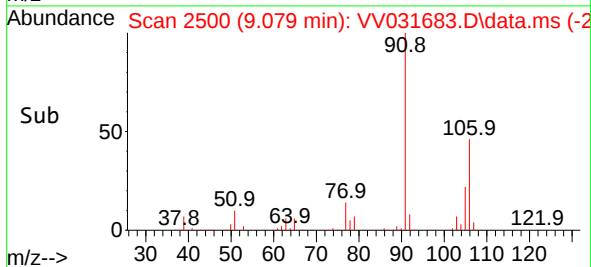
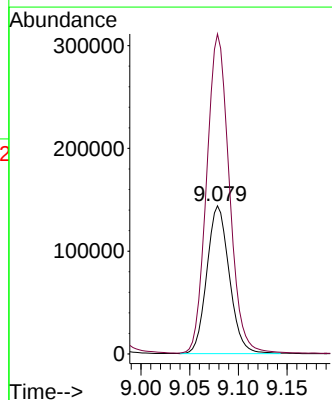
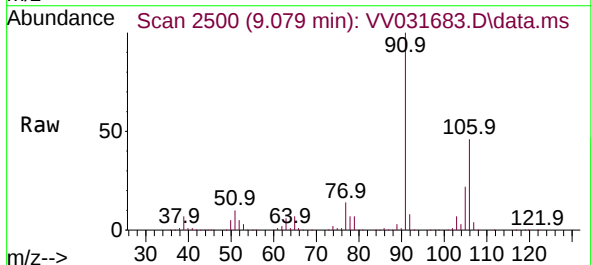
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

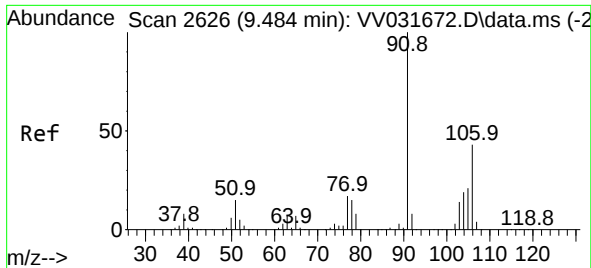
Tgt Ion: 91 Resp: 622286
Ion Ratio Lower Upper
91 100
106 29.1 21.5 39.9



#53
m,p-Xylene
Concen: 50.648 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 106 Resp: 230092
Ion Ratio Lower Upper
106 100
91 216.1 145.6 270.4

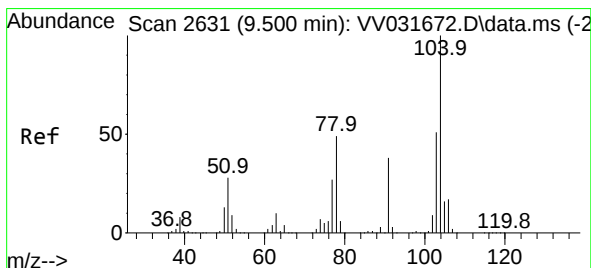
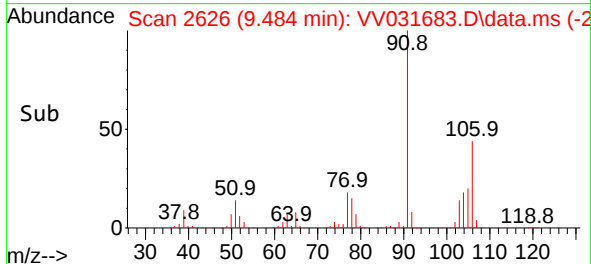
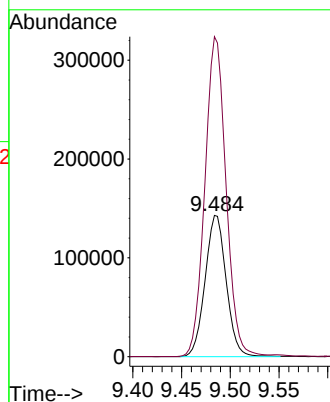
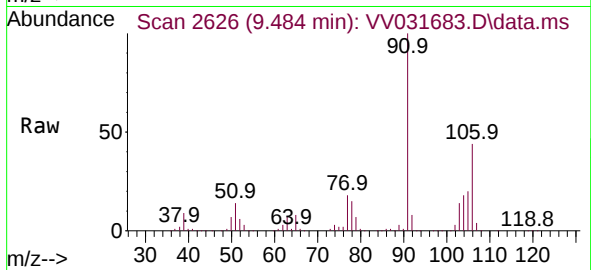




#54
o-Xylene
Concen: 51.217 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

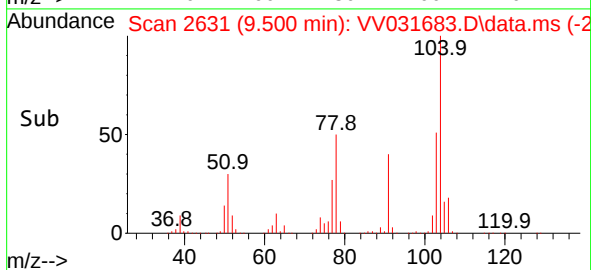
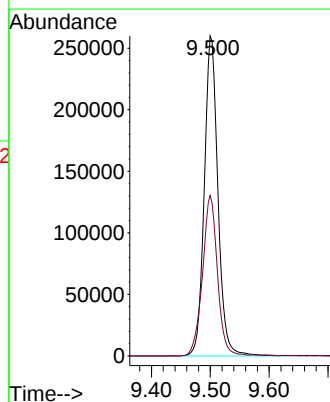
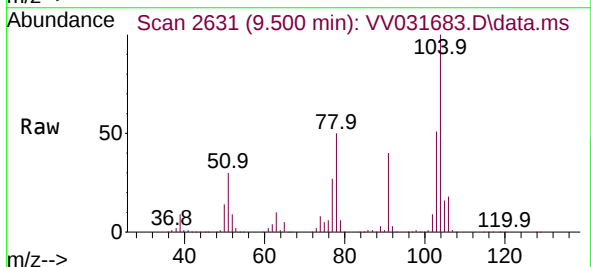
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

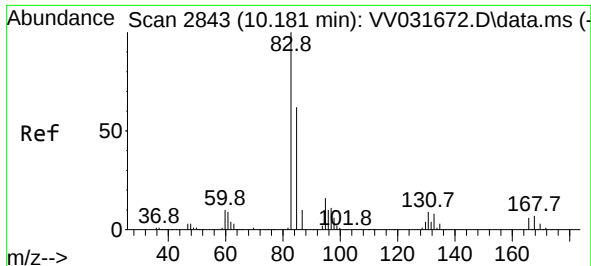
Tgt Ion:106 Resp: 215496
Ion Ratio Lower Upper
106 100
91 226.6 163.0 302.6



#55
Styrene
Concen: 54.032 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion:104 Resp: 418512
Ion Ratio Lower Upper
104 100
78 50.2 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 50.194 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

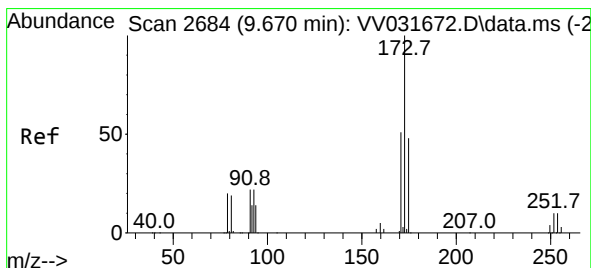
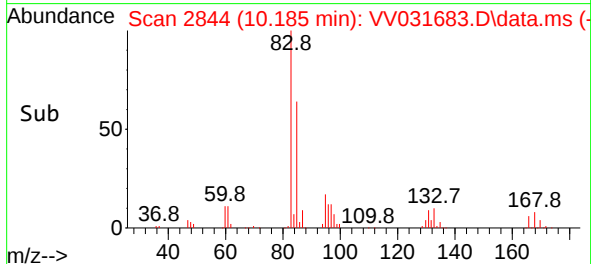
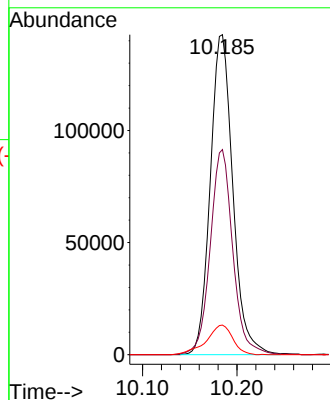
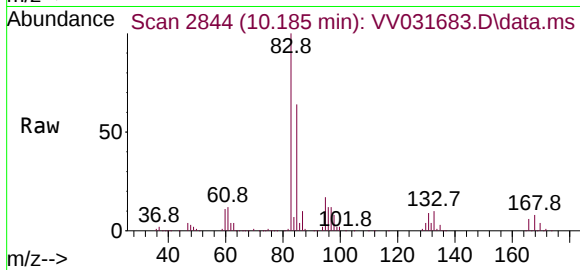
Tgt Ion: 83 Resp: 236527

Ion Ratio Lower Upper

83 100

85 64.1 43.4 80.6

131 13.1 10.9 16.3



#59

Bromoform

Concen: 51.103 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

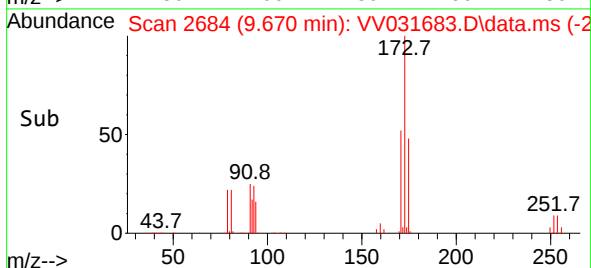
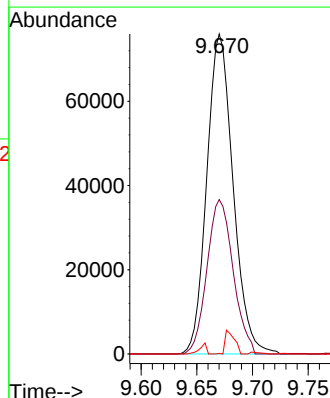
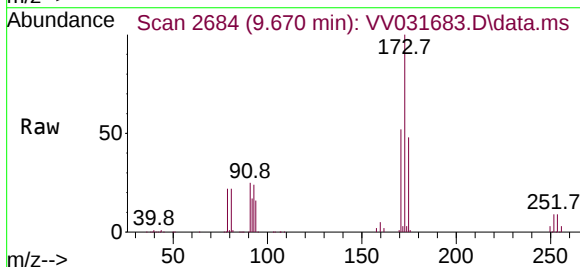
Tgt Ion: 173 Resp: 124902

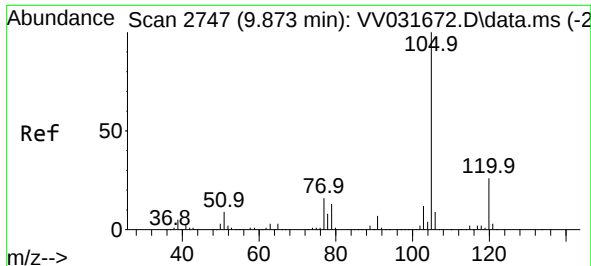
Ion Ratio Lower Upper

173 100

175 47.8 38.6 58.0

254 0.0 6.9 10.3#

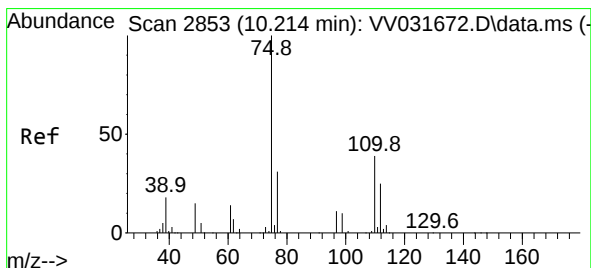
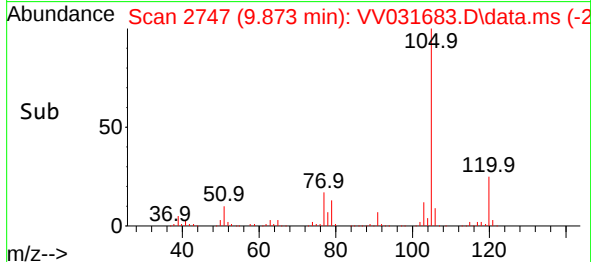
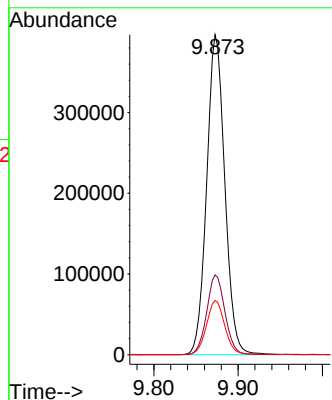
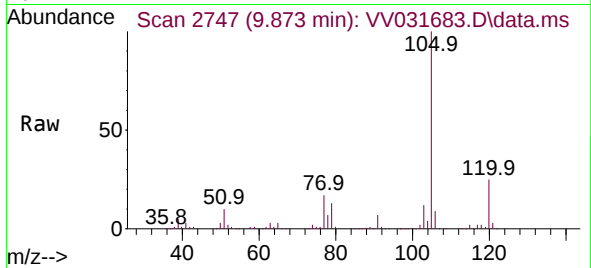




#60
Isopropylbenzene
Concen: 50.850 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

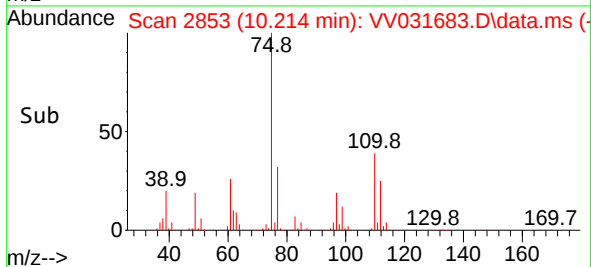
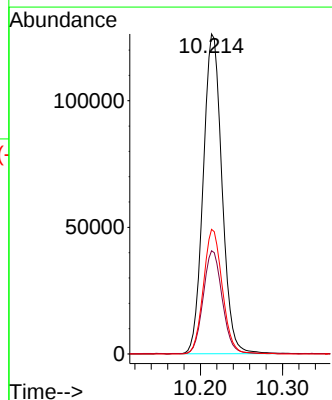
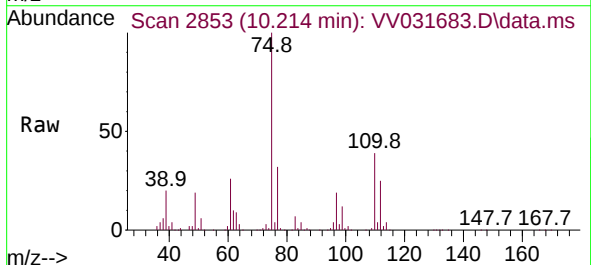
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

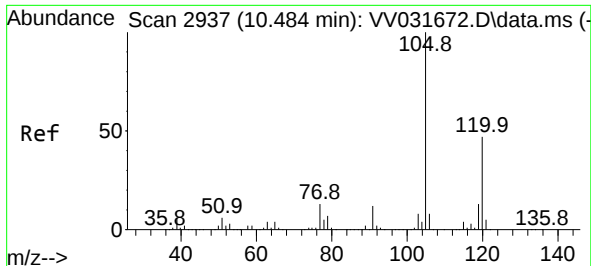
Tgt Ion:105 Resp: 593895
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8
77 17.0 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 50.438 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion: 75 Resp: 200647
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7
110 39.3 31.4 47.0

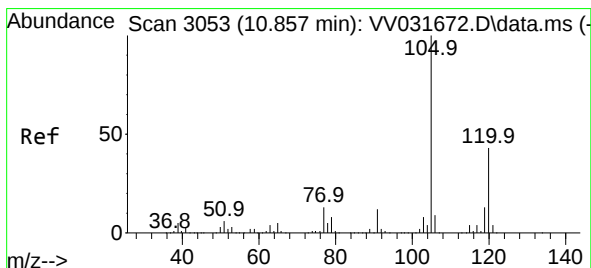
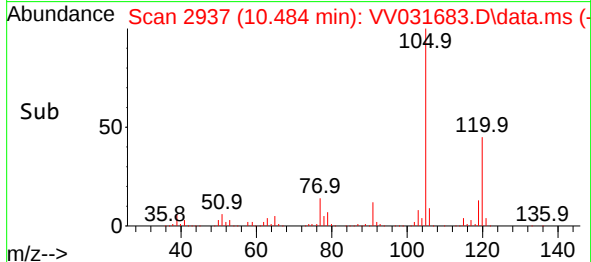
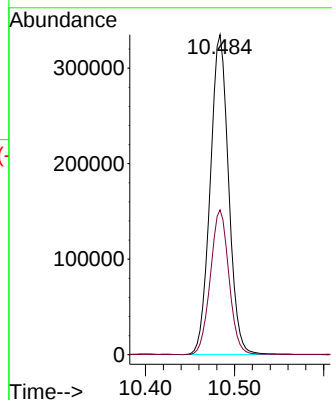
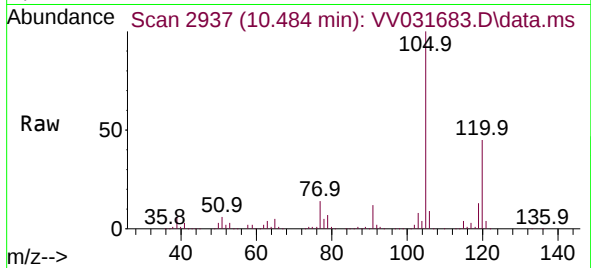




#62
 1,3,5-Trimethylbenzene
 Concen: 50.247 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

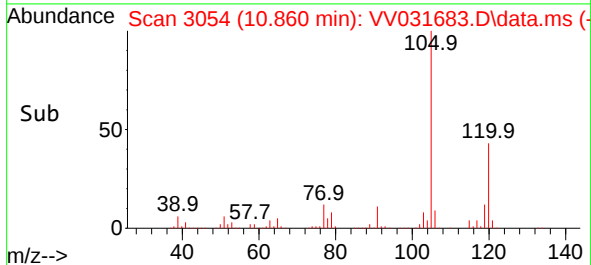
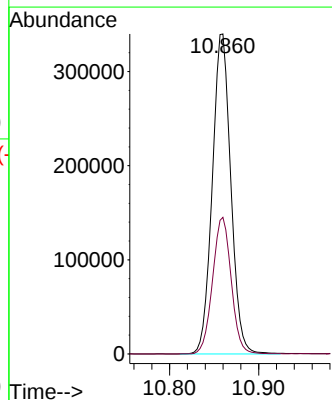
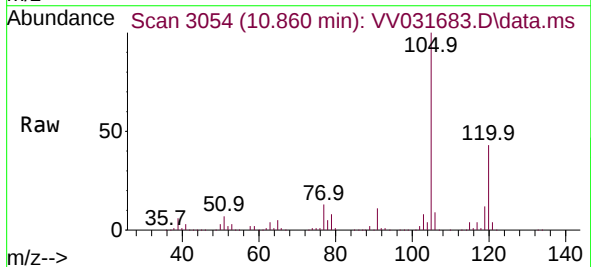
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050388

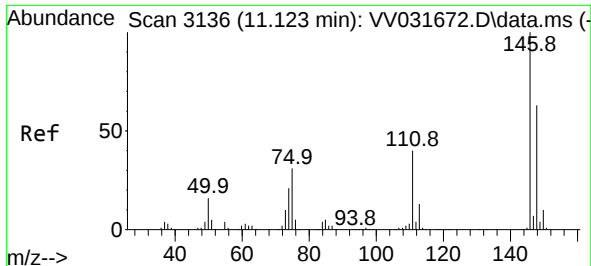
Tgt Ion:105 Resp: 479519
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 51.611 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion:105 Resp: 490584
 Ion Ratio Lower Upper
 105 100
 120 42.8 34.7 52.1

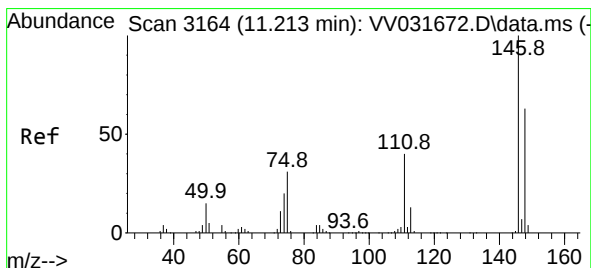
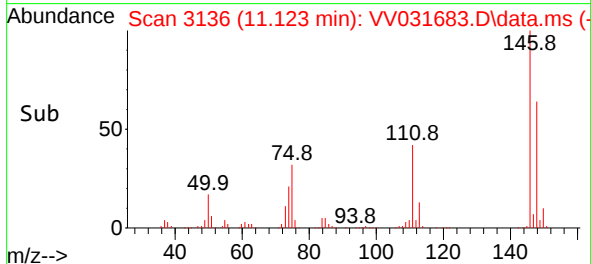
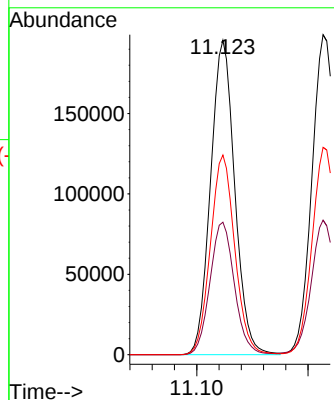
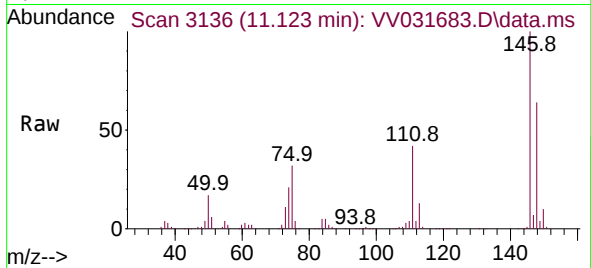




#64
1,3-Dichlorobenzene
Concen: 48.624 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

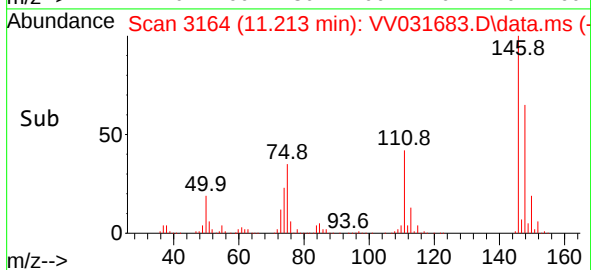
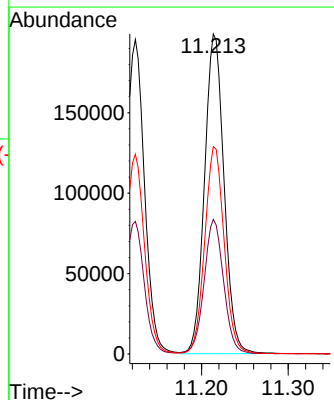
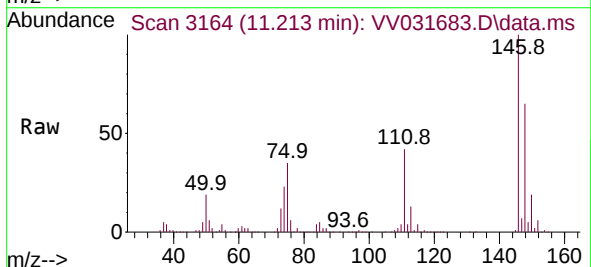
Instrument :
MSVOA_V
ClientSampleId :
VSTD050388

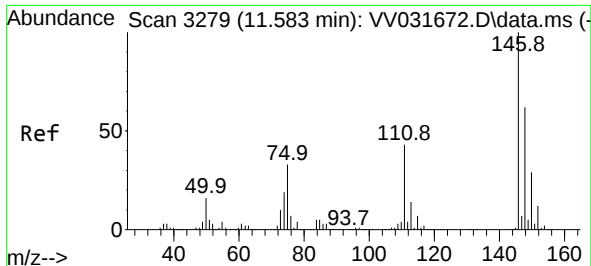
Tgt Ion:146 Resp: 294970
Ion Ratio Lower Upper
146 100
111 42.2 28.3 52.5
148 63.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 47.179 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031683.D
Acq: 11 Jul 2023 16:53

Tgt Ion:146 Resp: 310412
Ion Ratio Lower Upper
146 100
111 42.1 28.3 52.7
148 64.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 47.809 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

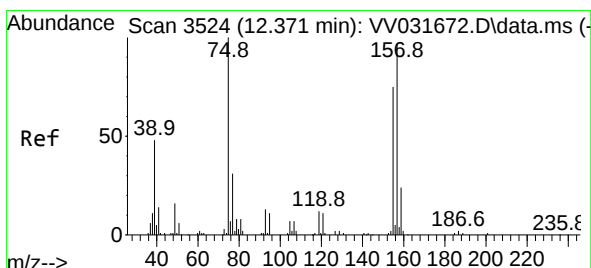
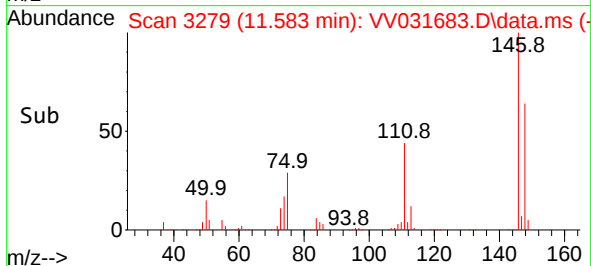
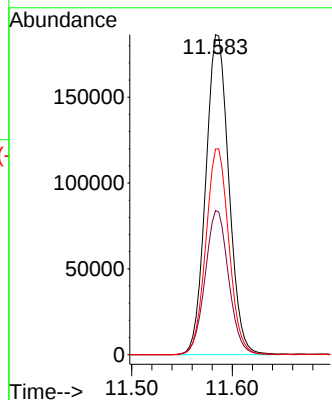
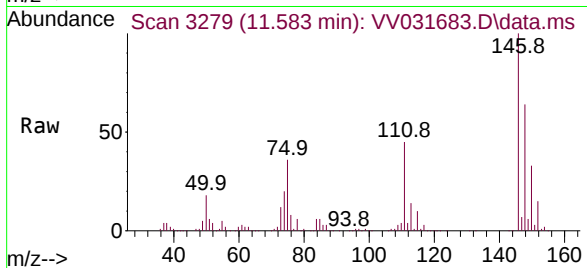
Tgt Ion:146 Resp: 297452

Ion Ratio Lower Upper

146 100

111 45.0 34.8 52.2

148 64.3 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 49.086 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

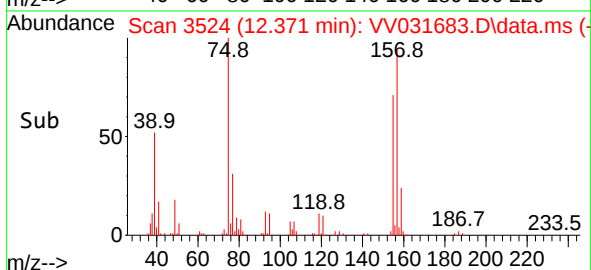
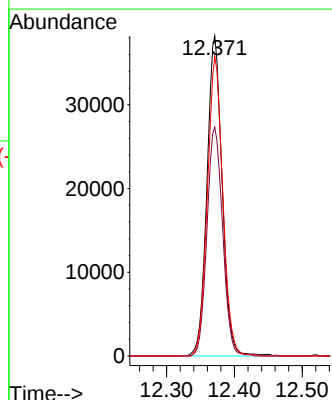
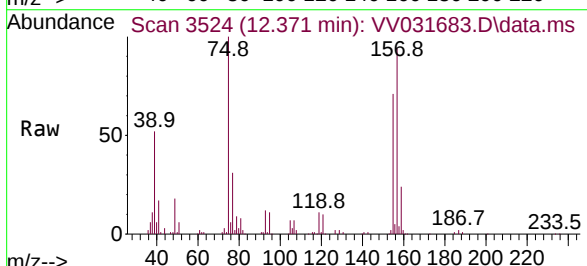
Tgt Ion: 75 Resp: 59580

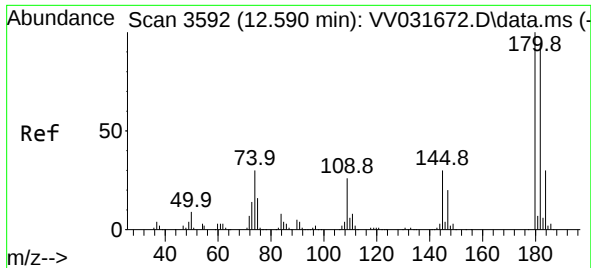
Ion Ratio Lower Upper

75 100

155 76.4 59.9 89.9

157 98.1 77.6 116.4

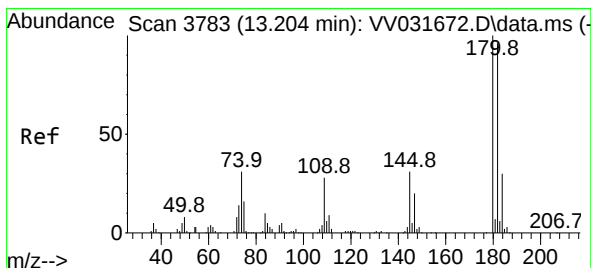
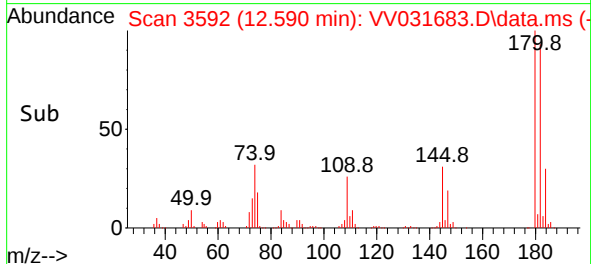
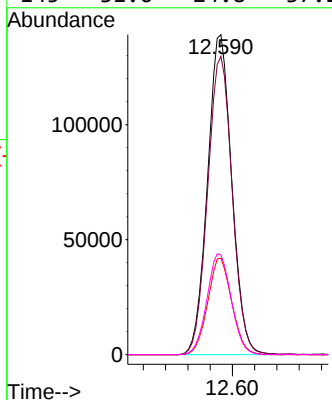
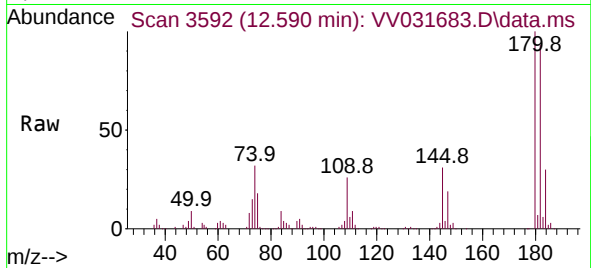




#69
 1,3,5-Trichlorobenzene
 Concen: 46.313 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

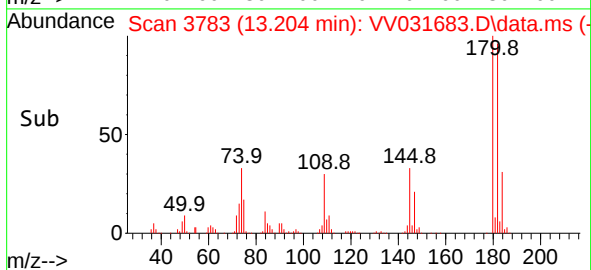
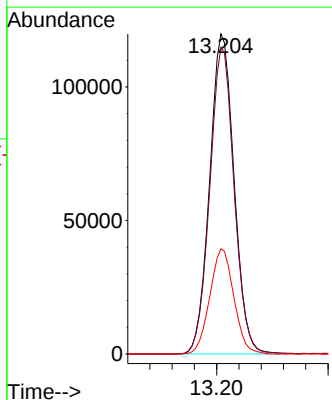
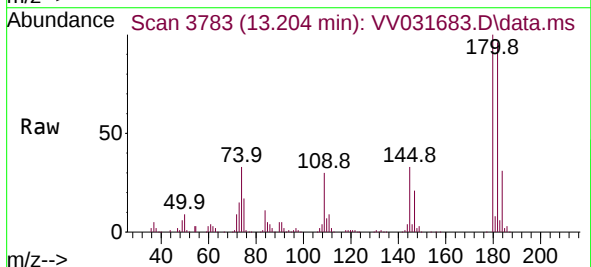
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050388

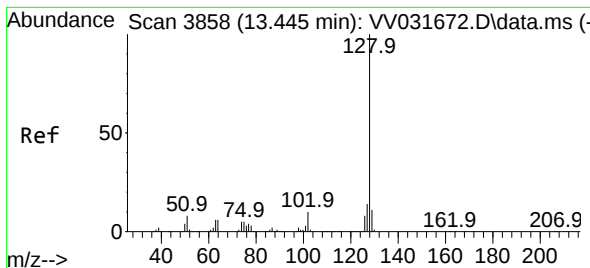
Tgt Ion:180	Resp: 210472
Ion Ratio	Lower Upper
180	100
182	94.2 75.5 113.3
184	29.8 23.7 35.5
145	31.6 24.8 37.2



#70
 1,2,4-trichlorobenzene
 Concen: 45.288 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031683.D
 Acq: 11 Jul 2023 16:53

Tgt Ion:180	Resp: 182371
Ion Ratio	Lower Upper
180	100
182	95.4 76.6 114.8
145	32.3 25.4 38.2





#71

Naphthalene

Concen: 48.955 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD050388

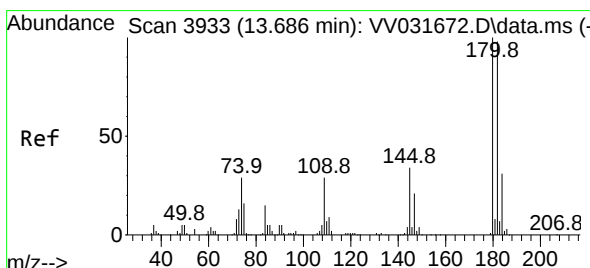
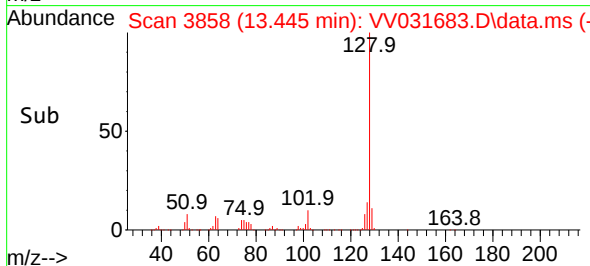
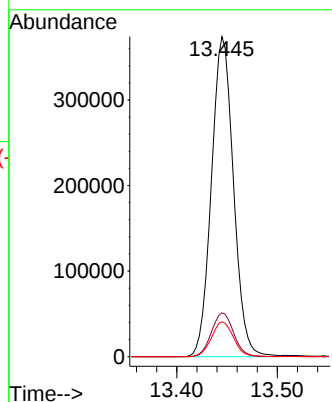
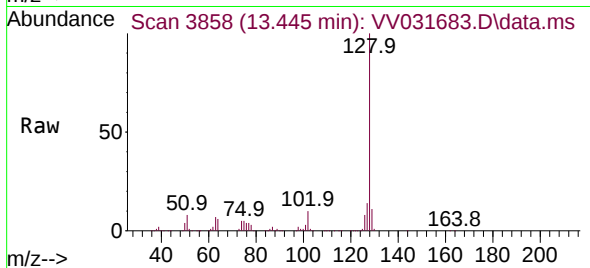
Tgt Ion:128 Resp: 570440

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.274 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031683.D

Acq: 11 Jul 2023 16:53

Tgt Ion:180 Resp: 203816

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 34.8 27.7 41.5

