

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070623\
 Data File : VW031643.D
 Acq On : 06 Jul 2023 09:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

Quant Time: Jul 07 02:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 04 07:06:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	211745	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	211838	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	93623	66.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	132.880%
7) Chloroethane-d5	1.532	69	78587	63.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	127.820%
11) 1,1-Dichloroethene-d2	2.060	65	43127	59.380	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	118.760%
21) 2-Butanone-d5	3.793	46	112672	98.740	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.740%
24) Chloroform-d	4.252	84	178571	50.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	4.944	65	113393	51.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.700%
32) Benzene-d6	4.963	84	313332	52.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.100%
36) 1,2-Dichloropropane-d6	5.992	67	104575	49.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.960%
41) Toluene-d8	7.249	98	294623	53.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.680%
43) trans-1,3-Dichloroprop...	7.554	79	52779	51.228	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.460%
47) 2-Hexanone-d5	8.030	63	72470	86.849	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.850%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	145559	45.630	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.260%
66) 1,2-Dichlorobenzene-d4	11.567	152	113352	44.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	99394	44.254	ug/L	100
3) Chloromethane	1.217	50	99032	46.728	ug/L	100
5) Vinyl chloride	1.285	62	98471	46.871	ug/L	97
6) Bromomethane	1.487	94	64939	47.425	ug/L	99
8) Chloroethane	1.548	64	65122	47.992	ug/L	96
9) Trichlorofluoromethane	1.715	101	161674	46.256	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	88424	47.208	ug/L	99
12) 1,1-Dichloroethene	2.072	96	73967	47.210	ug/L	93
13) Acetone	2.114	43	121024	107.483	ug/L	97
14) Carbon disulfide	2.243	76	221280	46.691	ug/L	99
15) Methyl Acetate	2.375	43	97536	51.450	ug/L	99
16) Methylene chloride	2.449	84	85987	43.776	ug/L	96
17) trans-1,2-Dichloroethene	2.696	96	72712	44.460	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	258621	47.393	ug/L	99
19) 1,1-Dichloroethane	3.114	63	166204	47.087	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	81787	46.275	ug/L	99
22) 2-Butanone	3.870	43	143661	102.132	ug/L	96
23) Bromochloromethane	4.153	128	45088	47.195	ug/L	94
25) Chloroform	4.281	83	169562	46.211	ug/L	99

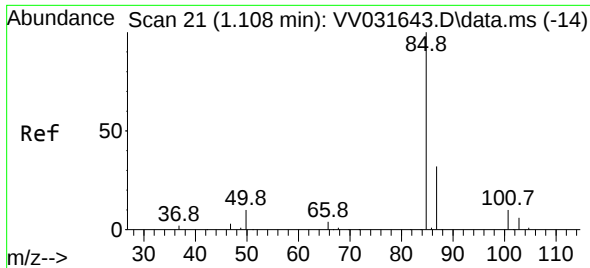
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 QLast Update : Tue Jul 04 07:06:08 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	138741	48.992	ug/L	97
29) Cyclohexane	4.587	56	124114	45.033	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	155926	45.909	ug/L	98
31) Carbon tetrachloride	4.741	117	139760	46.442	ug/L	99
33) Benzene	5.014	78	327137	46.383	ug/L	100
34) Trichloroethene	5.838	95	86260	45.770	ug/L	98
35) Methylcyclohexane	6.056	83	125540	45.208	ug/L	97
37) 1,2-Dichloropropane	6.098	63	97906	47.274	ug/L	100
38) Bromodichloromethane	6.436	83	132200	47.225	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	143968	46.829	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	267995	110.203	ug/L	96
42) Toluene	7.320	91	351394	48.053	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	147475	49.259	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	90321	46.166	ug/L	98
46) Tetrachloroethene	7.911	164	66047	44.651	ug/L	98
48) 2-Hexanone	8.079	43	221076	113.827	ug/L	94
49) Dibromochloromethane	8.181	129	102556	47.165	ug/L	100
50) 1,2-Dibromoethane	8.288	107	93869	45.060	ug/L	99
51) Chlorobenzene	8.818	112	218037	45.019	ug/L	99
52) Ethylbenzene	8.950	91	382679	46.899	ug/L	98
53) m,p-Xylene	9.079	106	139434	46.662	ug/L	95
54) o-Xylene	9.484	106	131515	46.378	ug/L	98
55) Styrene	9.500	104	251641	49.688	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	146885	45.949	ug/L	98
59) Bromoform	9.670	173	77676	46.744	ug/L #	98
60) Isopropylbenzene	9.873	105	376238	44.023	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	121706	45.965	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	309624	43.834	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	286199	43.485	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	186068	43.426	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	197766	43.314	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	189909	43.914	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	41688	53.047	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	158140	48.437	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	141788	49.545	ug/L	98
71) Naphthalene	13.445	128	384448	53.036	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	148859	50.056	ug/L	98

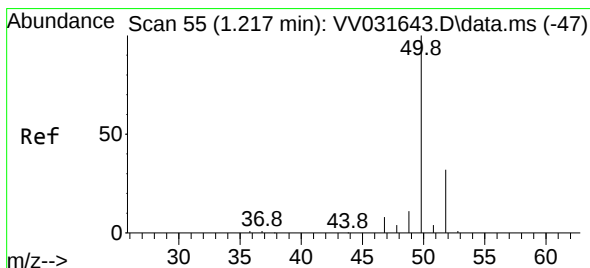
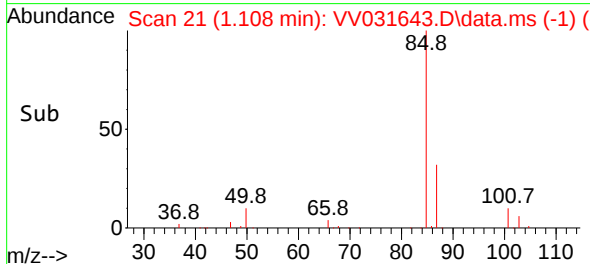
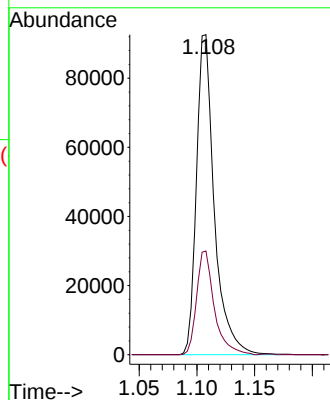
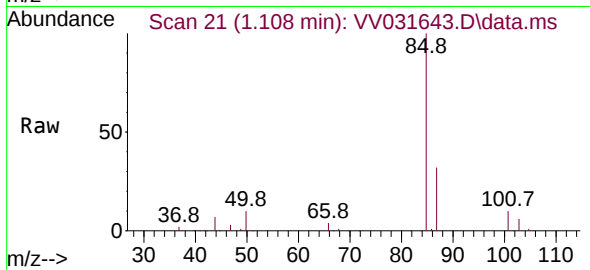
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#2
 Dichlorodifluoromethane
 Concen: 44.254 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

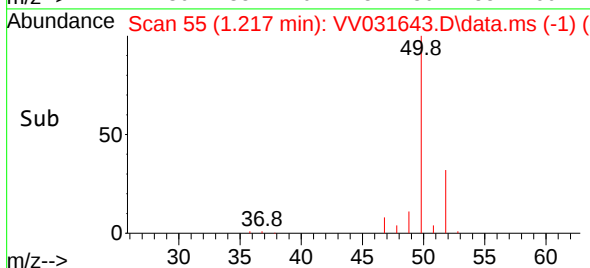
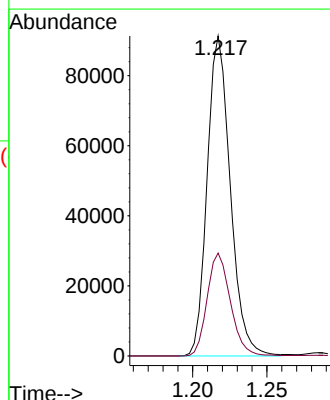
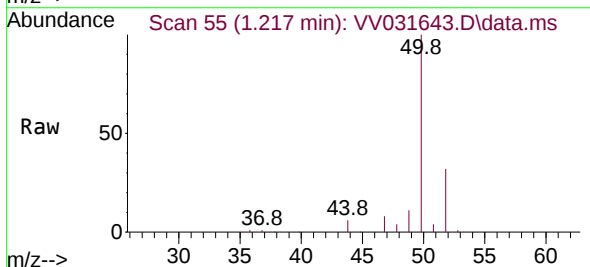
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

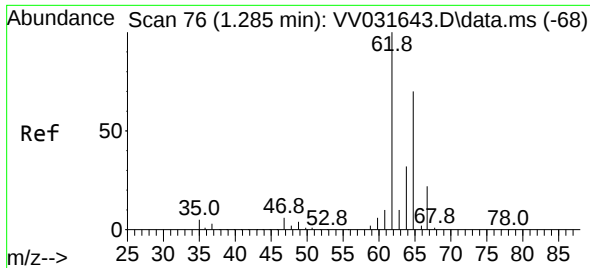
Tgt Ion: 85 Resp: 99394
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.5 38.3



#3
 Chloromethane
 Concen: 46.728 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

Tgt Ion: 50 Resp: 99032
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.3 41.5

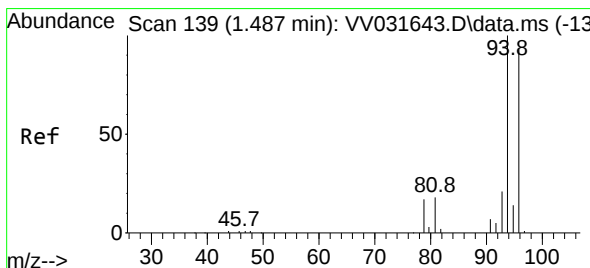
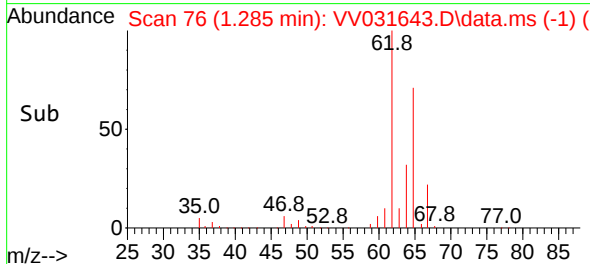
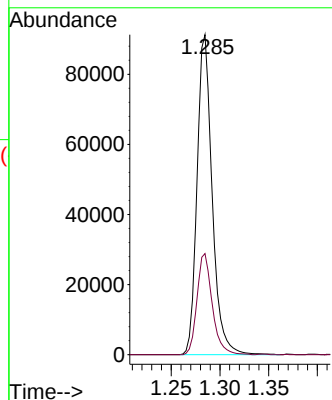
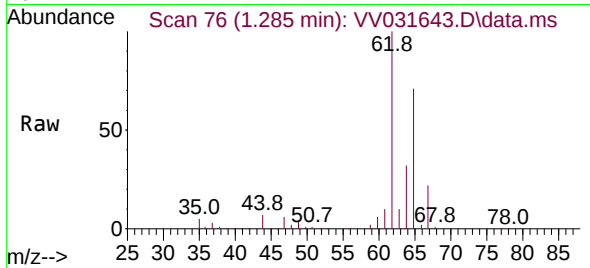




#5
 Vinyl chloride
 Concen: 46.871 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

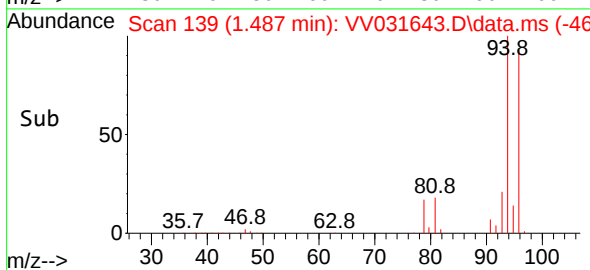
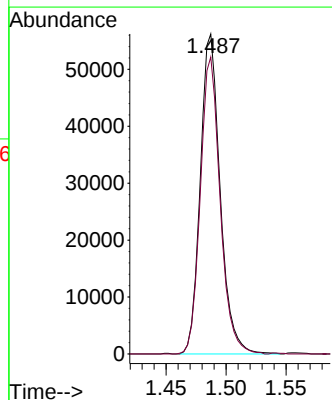
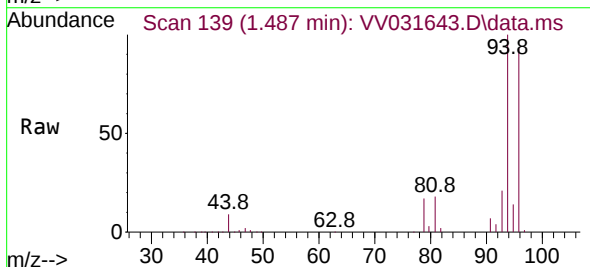
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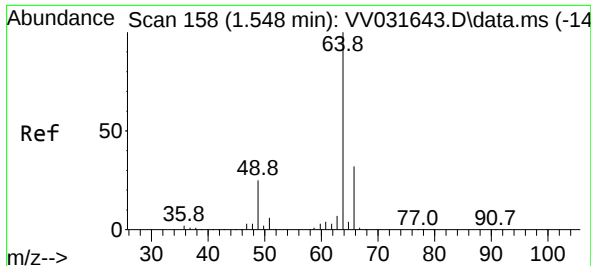
Tgt Ion: 62 Resp: 98471
 Ion Ratio Lower Upper
 62 100
 64 31.6 23.4 43.4



#6
 Bromomethane
 Concen: 47.425 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

Tgt Ion: 94 Resp: 64939
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.4 121.4

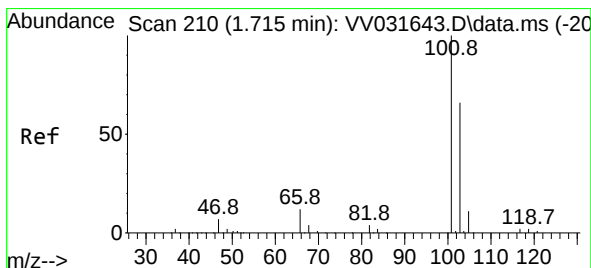
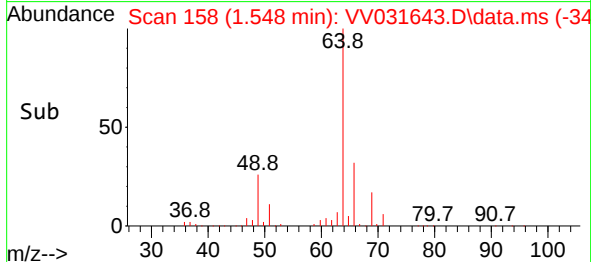
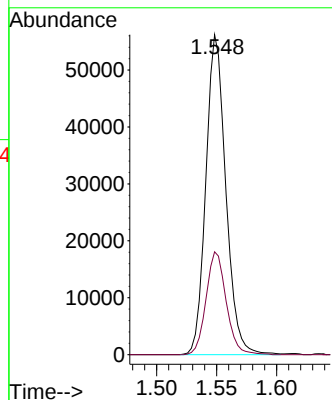
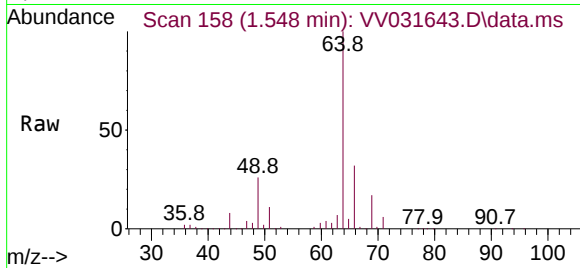




#8
Chloroethane
Concen: 47.992 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

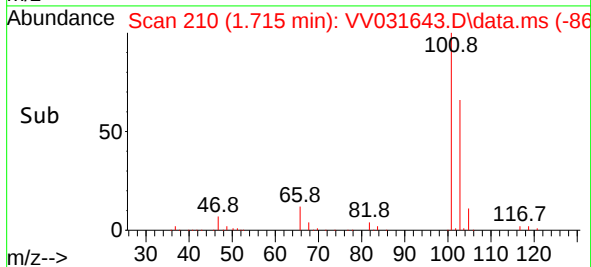
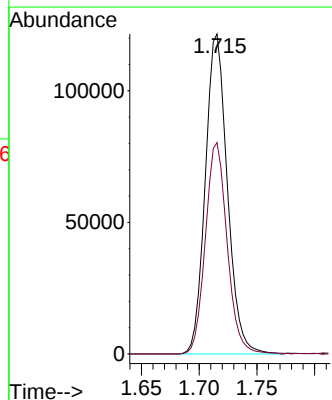
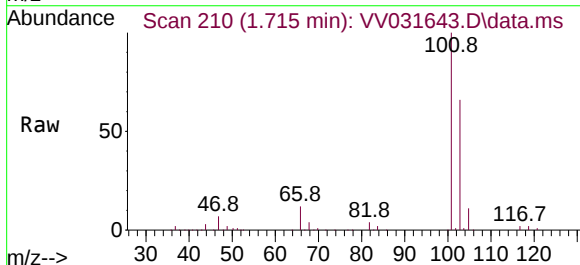
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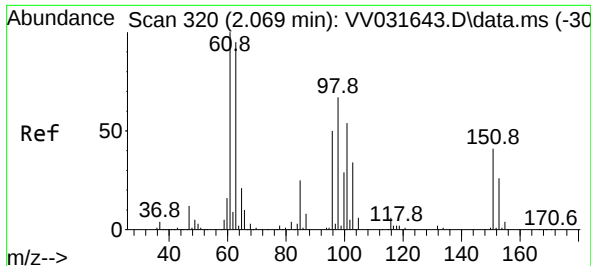
Tgt Ion: 64 Resp: 65122
Ion Ratio Lower Upper
64 100
66 32.1 21.0 39.0



#9
Trichlorofluoromethane
Concen: 46.256 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion:101 Resp: 161674
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3

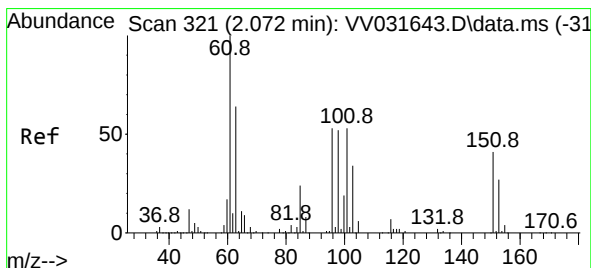
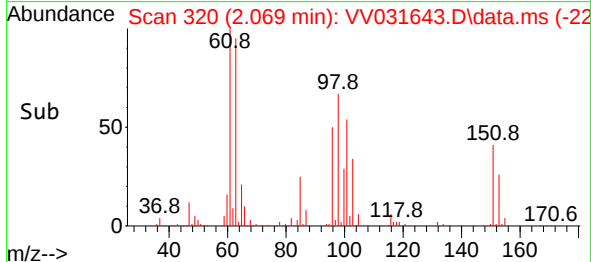
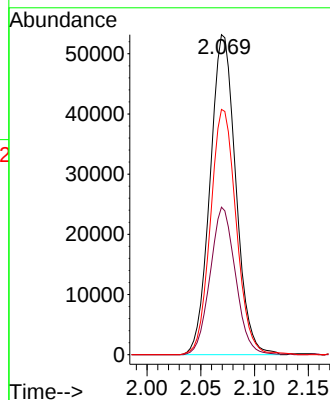
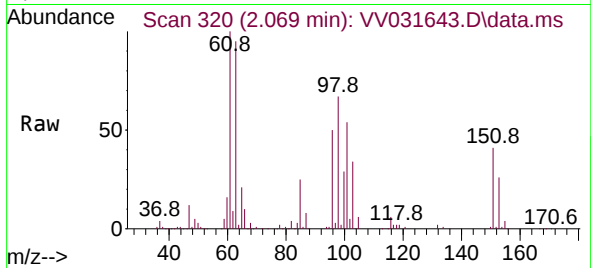




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.208 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

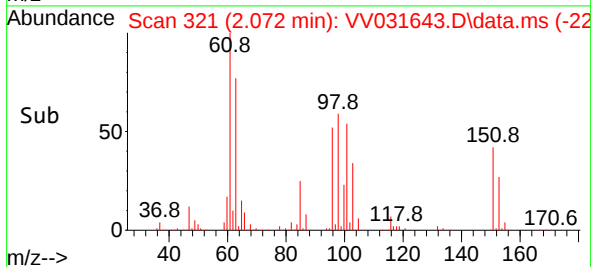
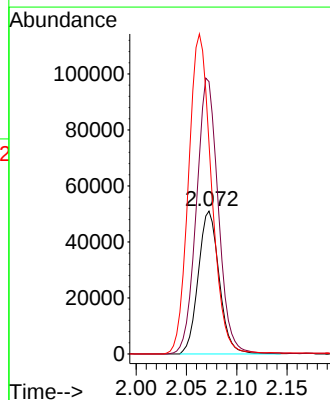
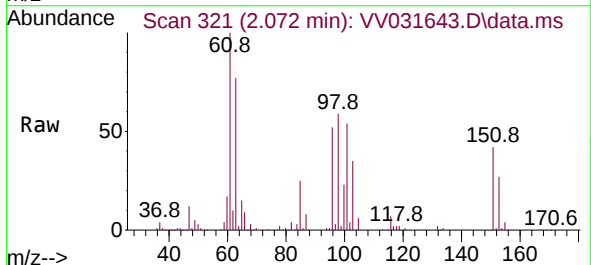
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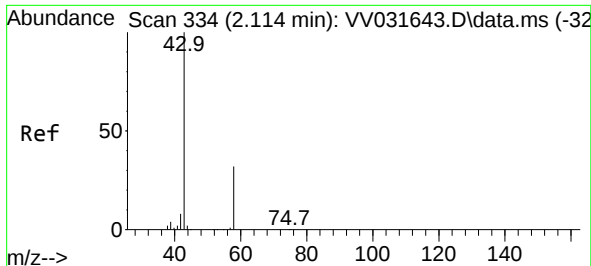
Tgt Ion:101 Resp: 88424
 Ion Ratio Lower Upper
 101 100
 85 45.3 37.4 56.0
 151 77.0 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 47.210 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

Tgt Ion: 96 Resp: 73967
 Ion Ratio Lower Upper
 96 100
 61 190.5 128.9 239.5
 63 147.4 95.3 177.1





#13

Acetone

Concen: 107.483 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

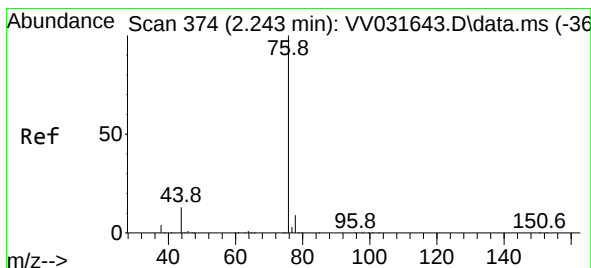
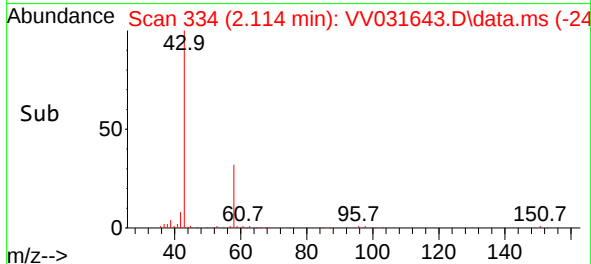
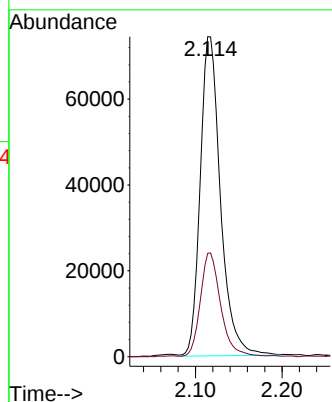
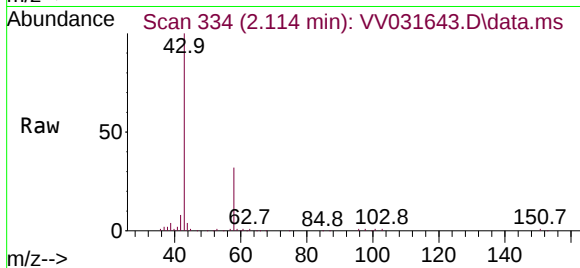
VSTD050384

Tgt Ion: 43 Resp: 121024

Ion Ratio Lower Upper

43 100

58 32.4 0.0 68.6



#14

Carbon disulfide

Concen: 46.691 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031643.D

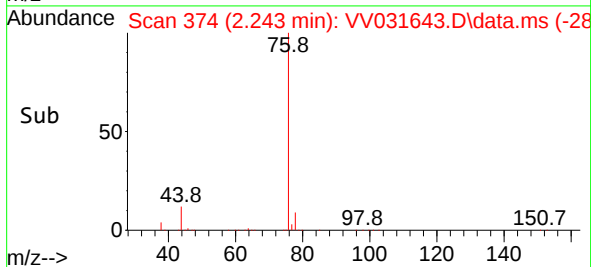
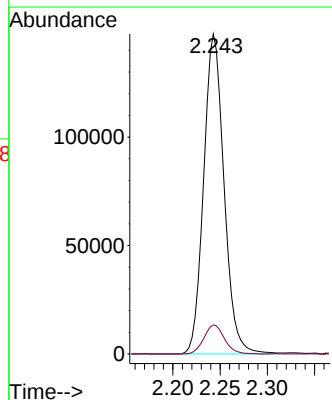
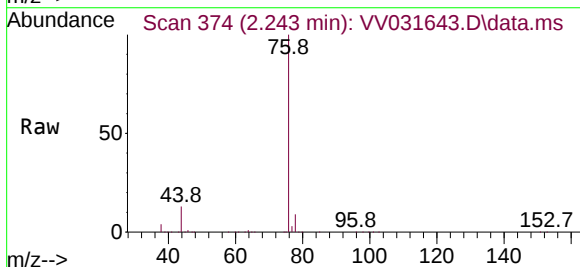
Acq: 06 Jul 2023 09:34

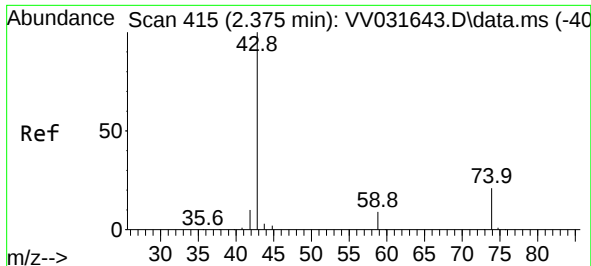
Tgt Ion: 76 Resp: 221280

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

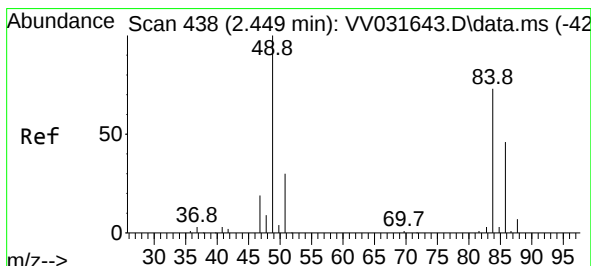
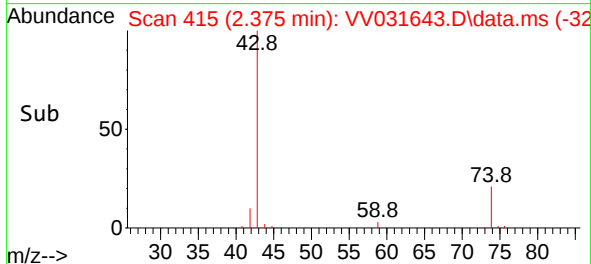
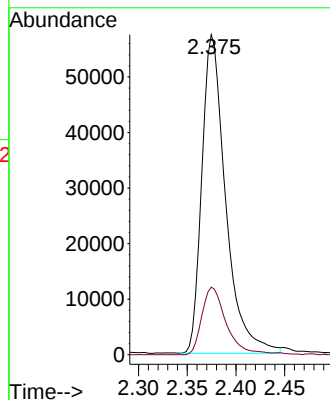
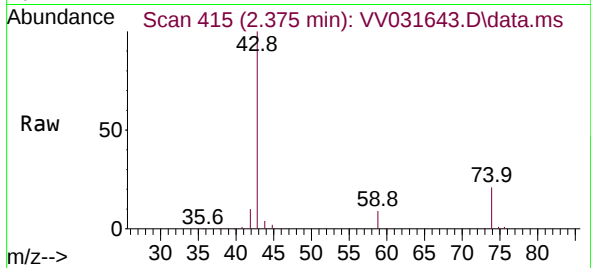




#15
Methyl Acetate
Concen: 51.450 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

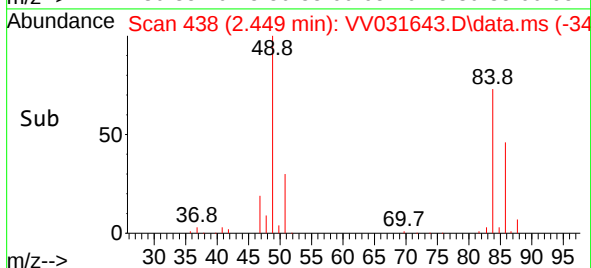
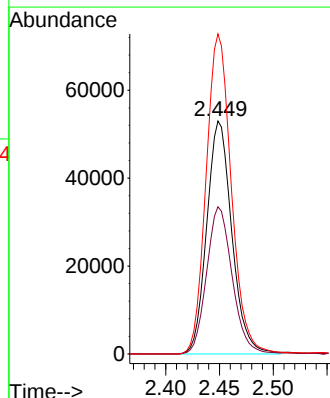
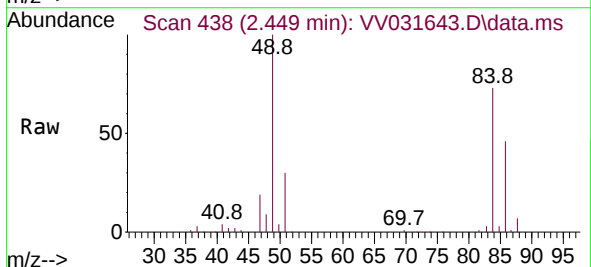
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

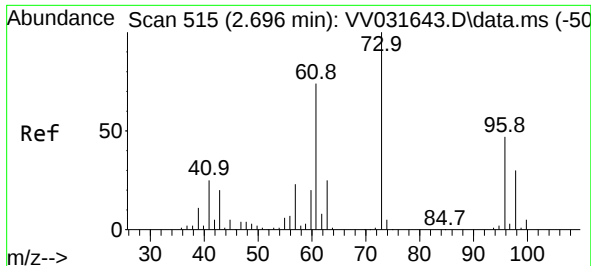
Tgt Ion: 43 Resp: 97536
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#16
Methylene chloride
Concen: 43.776 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 84 Resp: 85987
Ion Ratio Lower Upper
84 100
86 64.1 45.8 85.0
49 137.3 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 44.460 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

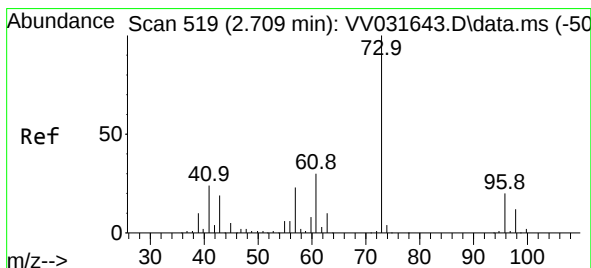
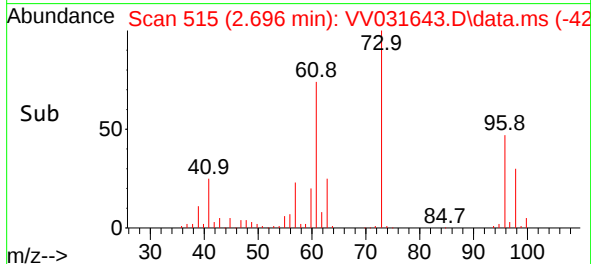
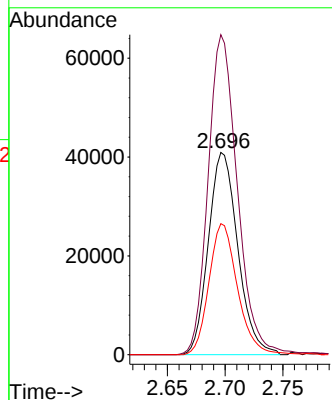
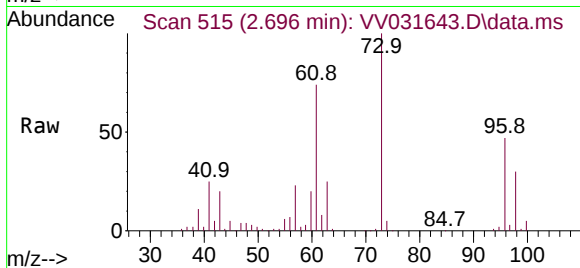
Tgt Ion: 96 Resp: 72712

Ion Ratio Lower Upper

96 100

61 150.1 102.5 190.3

98 61.5 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 47.393 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

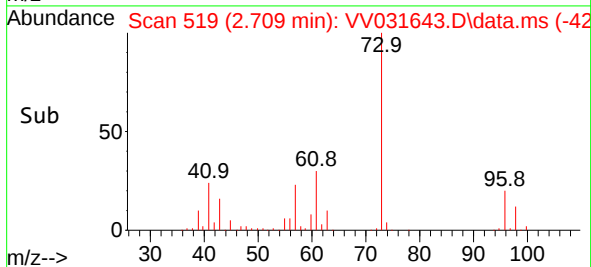
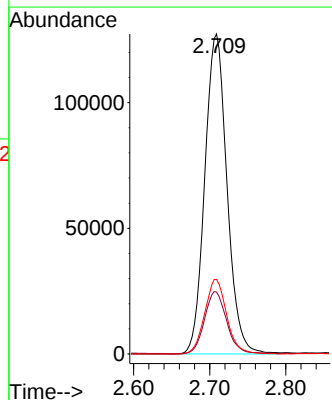
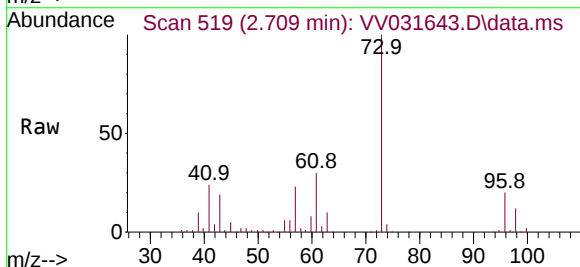
Tgt Ion: 73 Resp: 258621

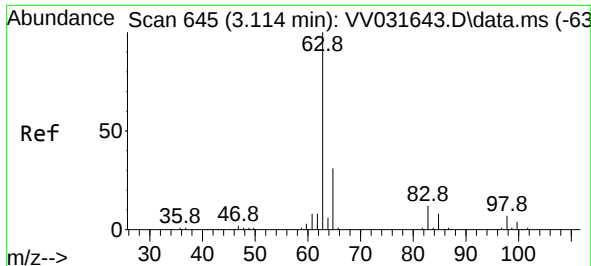
Ion Ratio Lower Upper

73 100

43 19.1 15.0 22.4

57 23.0 18.2 27.4





#19

1,1-Dichloroethane

Concen: 47.087 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

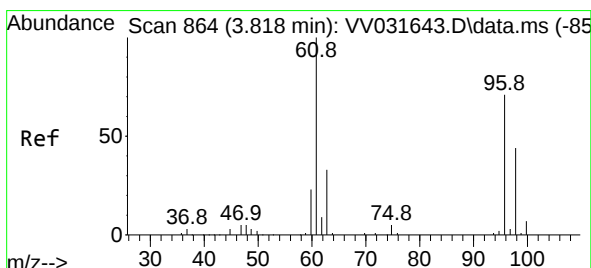
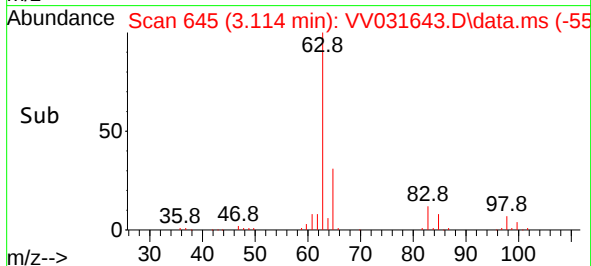
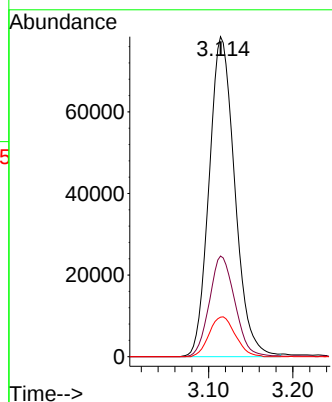
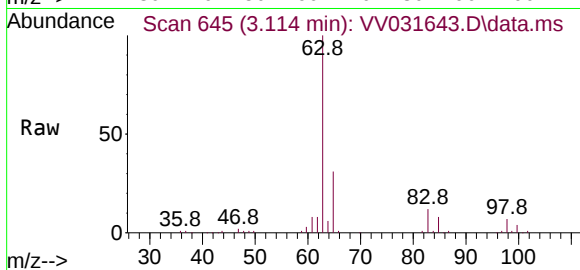
Tgt Ion: 63 Resp: 166204

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.7

83 12.4 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.275 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

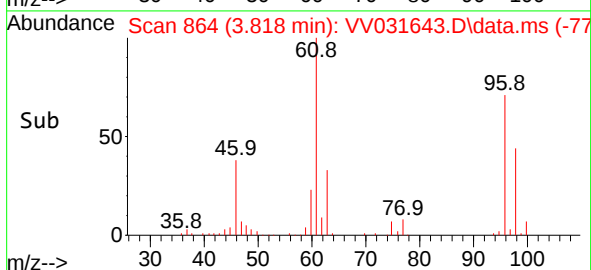
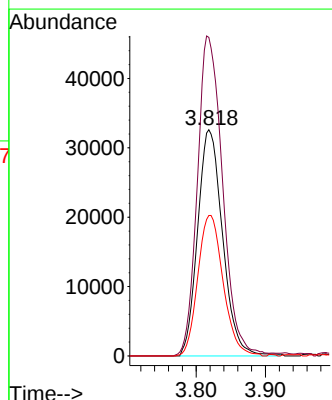
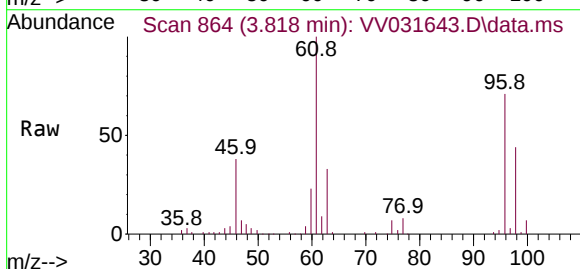
Tgt Ion: 96 Resp: 81787

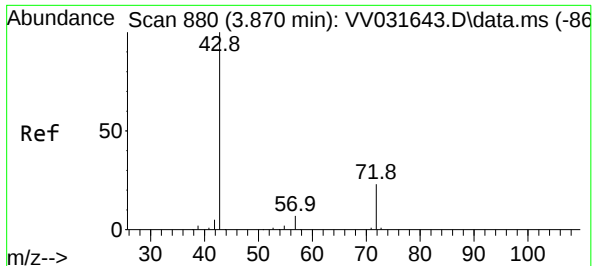
Ion Ratio Lower Upper

96 100

61 140.7 98.6 183.0

98 62.1 45.7 84.9

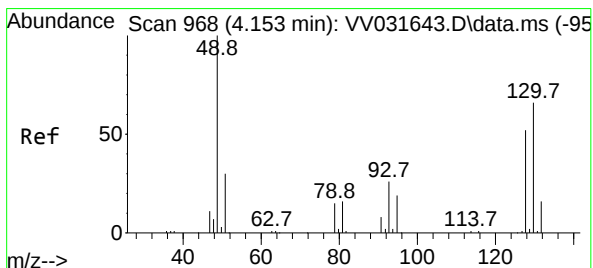
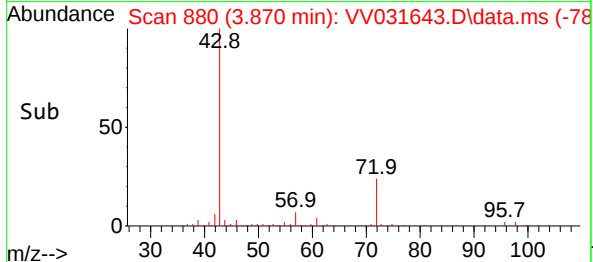
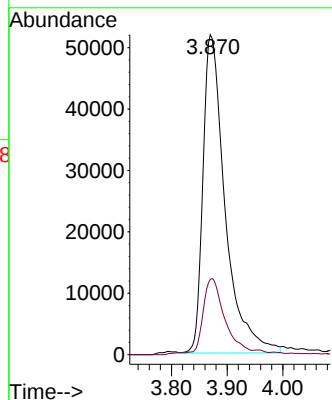
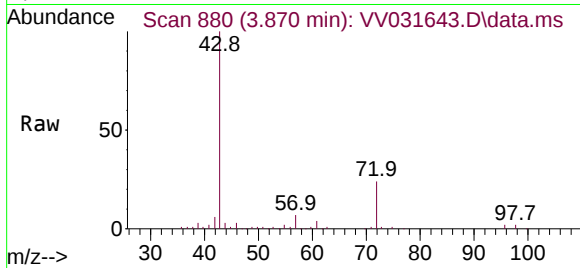




#22
2-Butanone
Concen: 102.132 ug/L
RT: 3.870 min Scan# 880
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

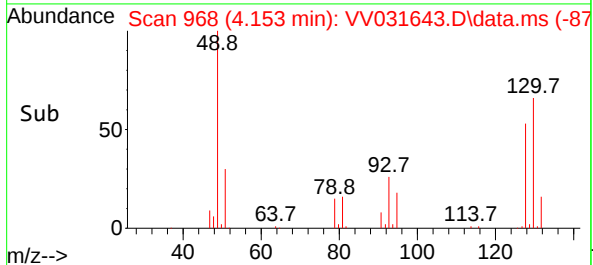
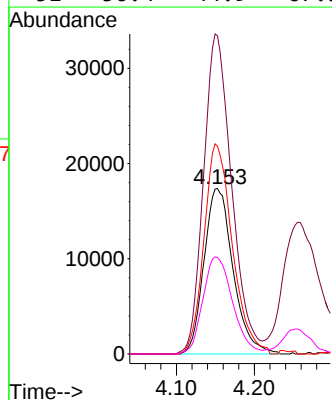
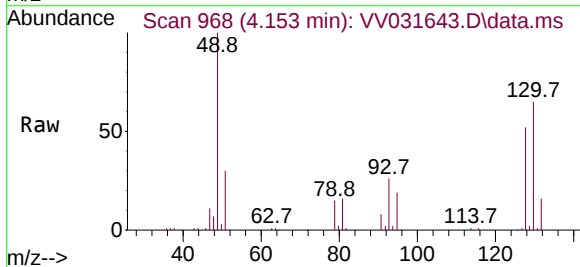
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

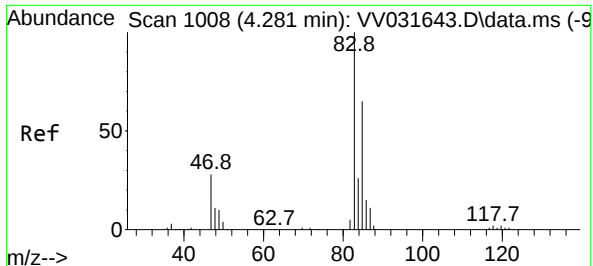
Tgt Ion: 43 Resp: 143661
Ion Ratio Lower Upper
43 100
72 22.1 12.2 36.4



#23
Bromochloromethane
Concen: 47.195 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion:128 Resp: 45088
Ion Ratio Lower Upper
128 100
49 184.7 120.6 224.0
130 121.9 88.1 163.7
51 56.4 44.9 67.3





#25

Chloroform

Concen: 46.211 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

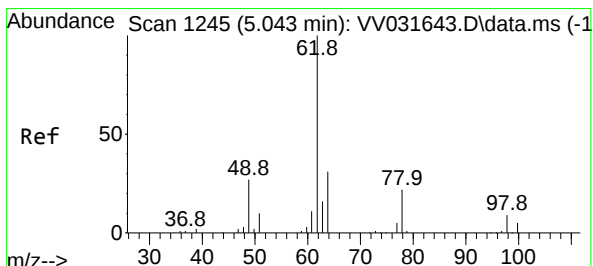
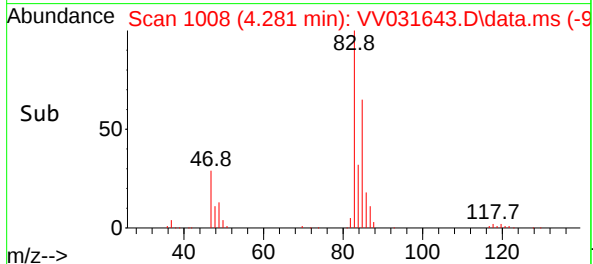
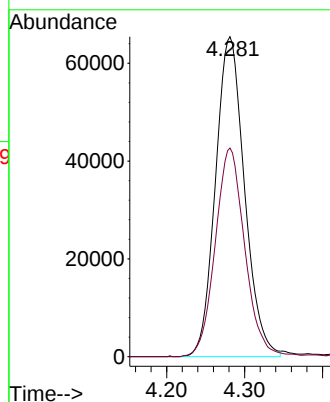
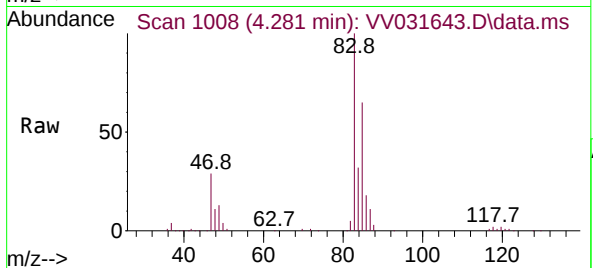
VSTD050384

Tgt Ion: 83 Resp: 169562

Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.992 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV031643.D

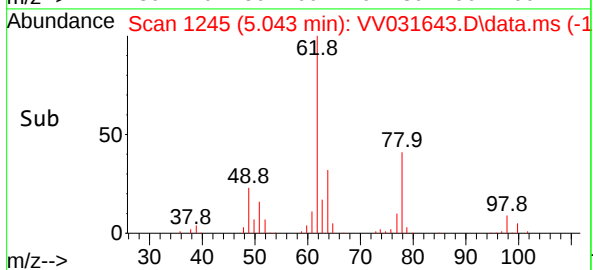
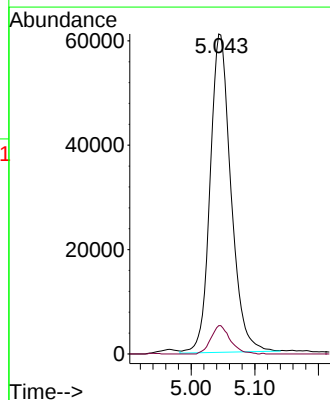
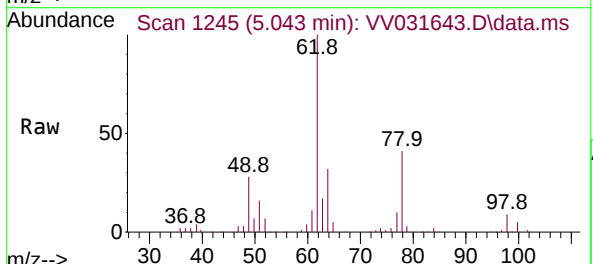
Acq: 06 Jul 2023 09:34

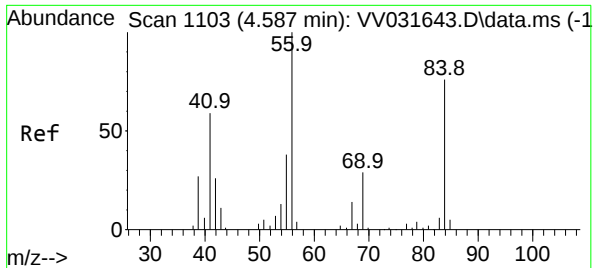
Tgt Ion: 62 Resp: 138741

Ion Ratio Lower Upper

62 100

98 9.3 6.6 9.8





#29

Cyclohexane

Concen: 45.033 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

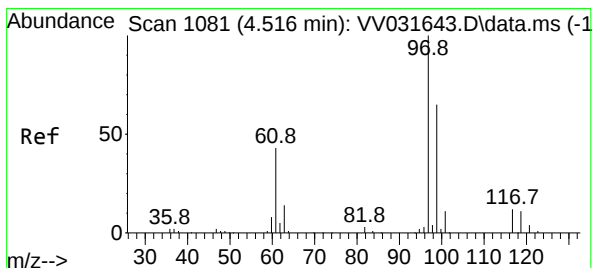
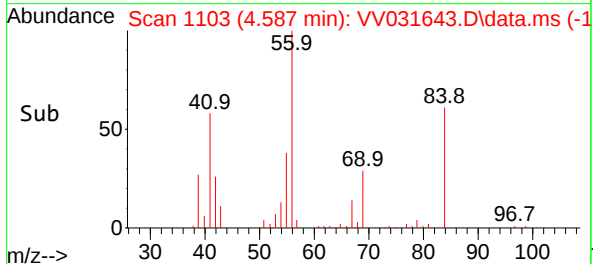
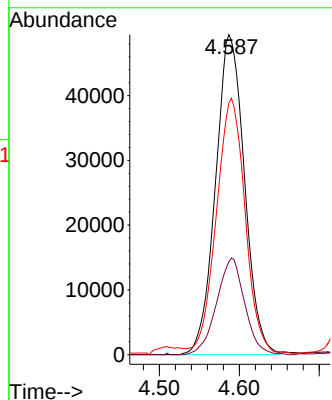
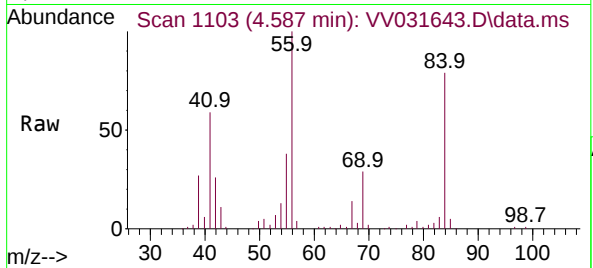
Tgt Ion: 56 Resp: 124114

Ion Ratio Lower Upper

56 100

69 29.3 24.3 36.5

84 78.1 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 45.909 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

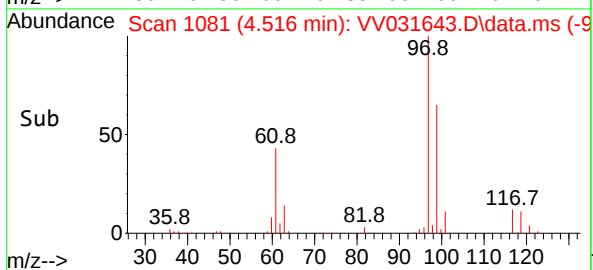
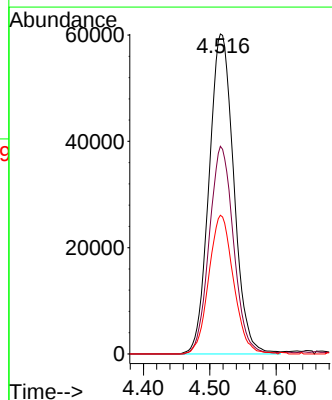
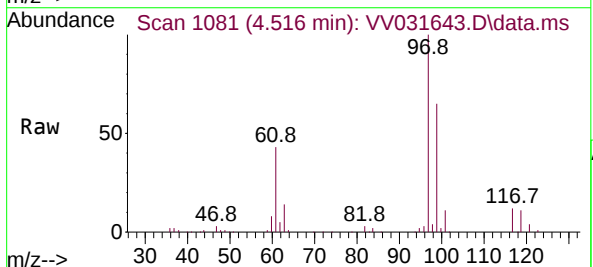
Tgt Ion: 97 Resp: 155926

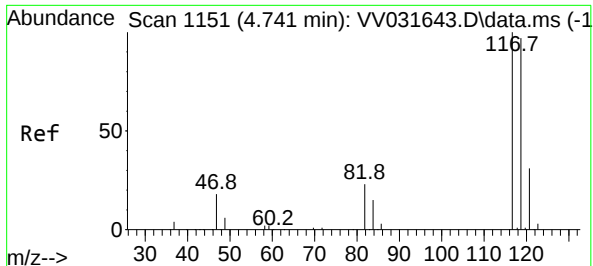
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 43.3 33.0 49.6

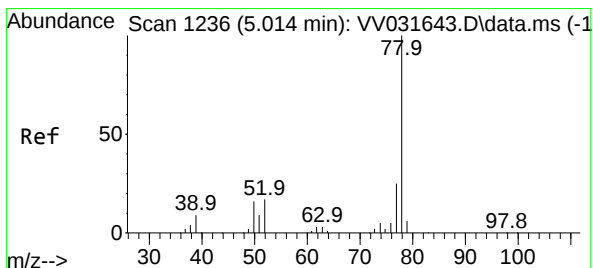
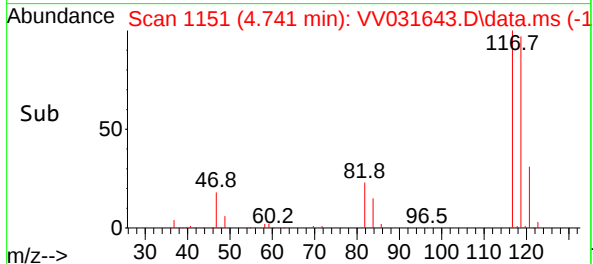
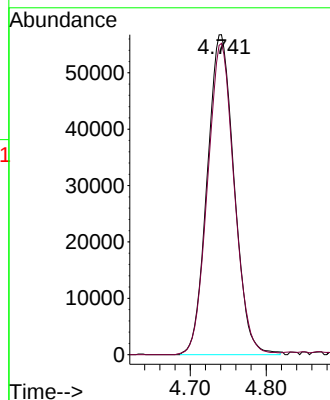
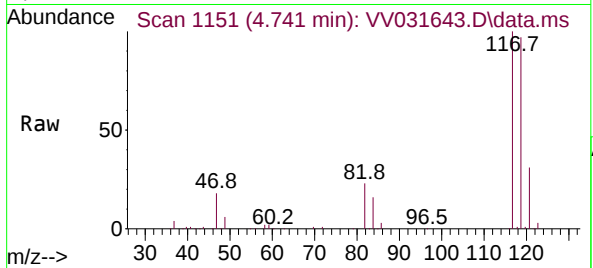




#31
Carbon tetrachloride
Concen: 46.442 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

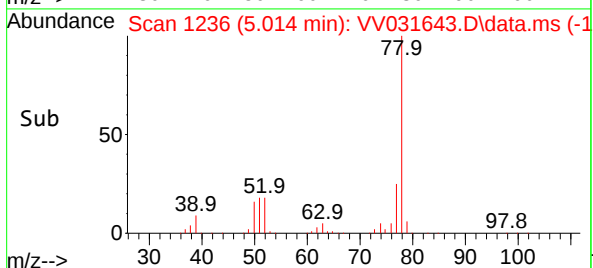
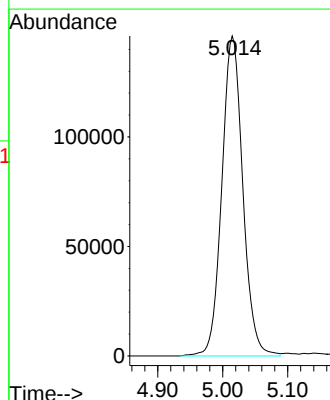
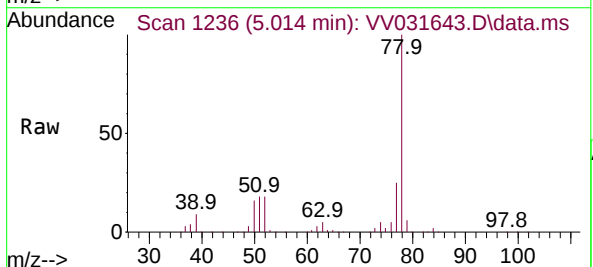
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

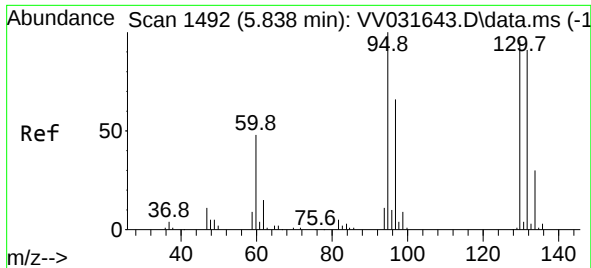
Tgt Ion:117 Resp: 139760
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.4



#33
Benzene
Concen: 46.383 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 78 Resp: 327137



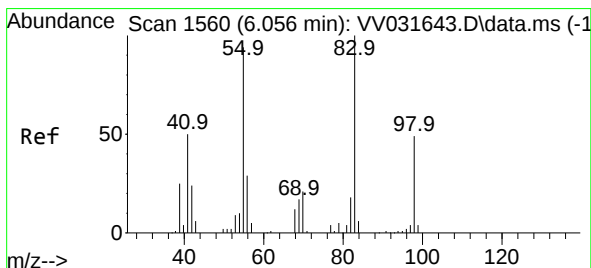
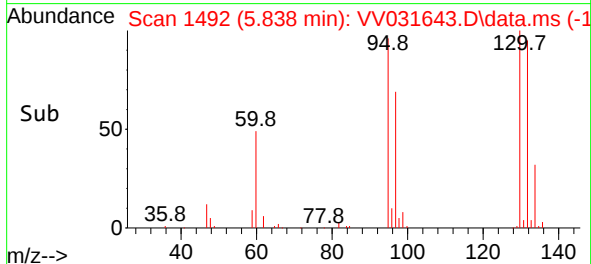
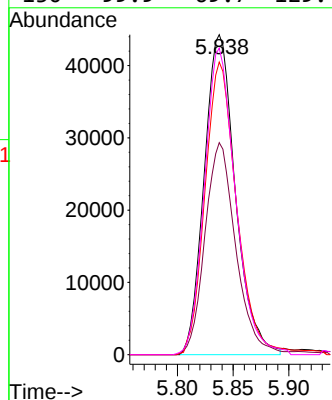
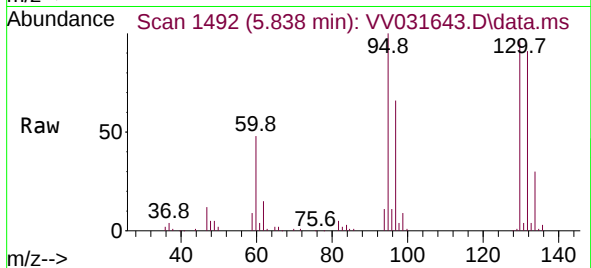


#34
 Trichloroethene
 Concen: 45.770 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050384

Tgt Ion: 95 Resp: 86260

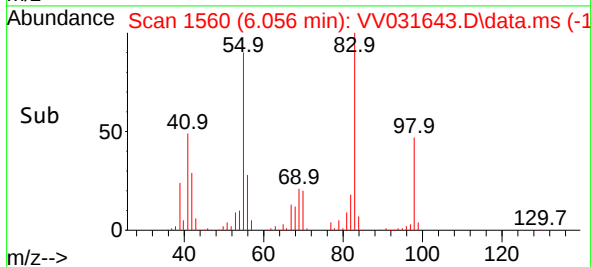
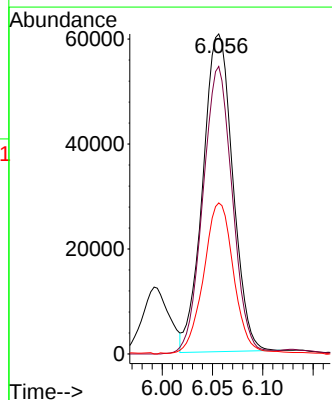
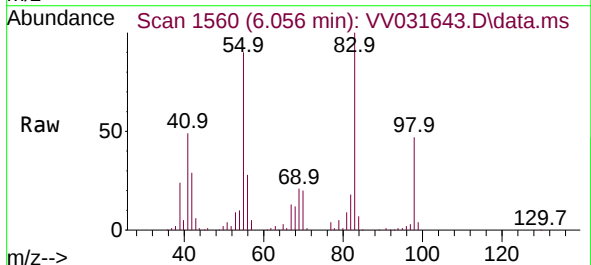
Ion	Ratio	Lower	Upper
95	100		
97	70.7	46.8	86.8
132	95.2	66.4	123.2
130	99.9	69.7	129.4

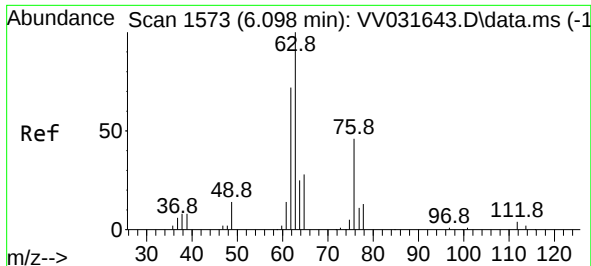


#35
 Methylcyclohexane
 Concen: 45.208 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. 0.000 min
 Lab File: VV031643.D
 Acq: 06 Jul 2023 09:34

Tgt Ion: 83 Resp: 125540

Ion	Ratio	Lower	Upper
83	100		
55	89.2	68.7	103.1
98	48.2	37.0	55.4

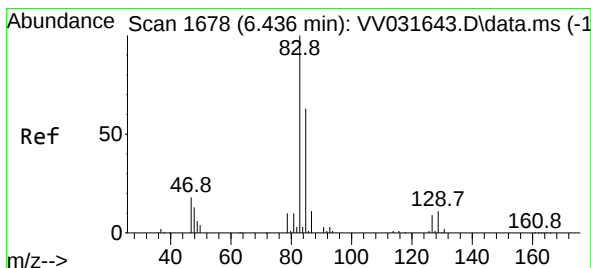
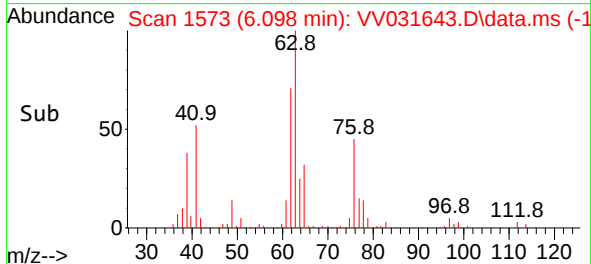
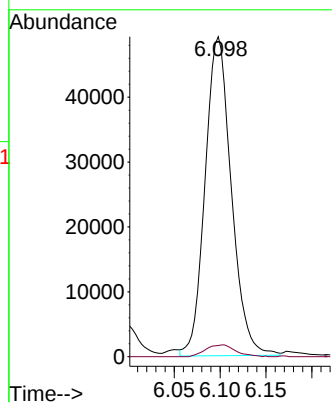
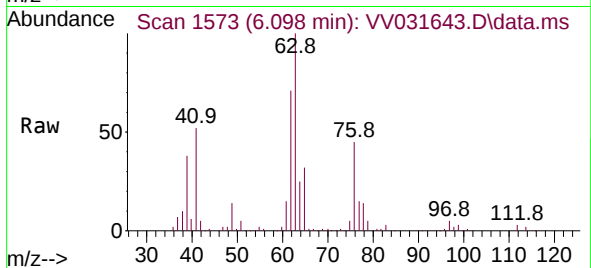




#37
1,2-Dichloropropane
Concen: 47.274 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

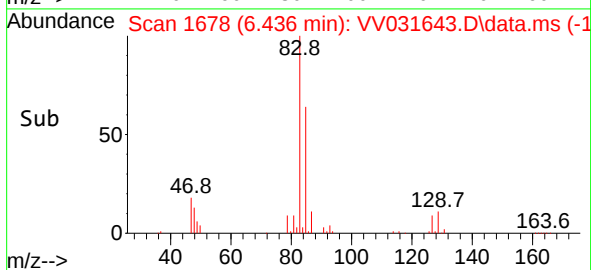
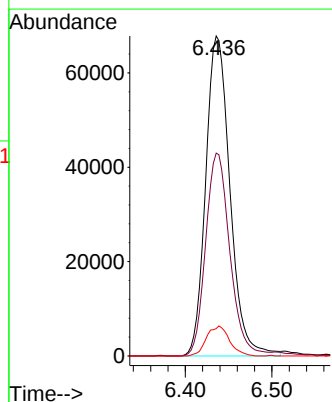
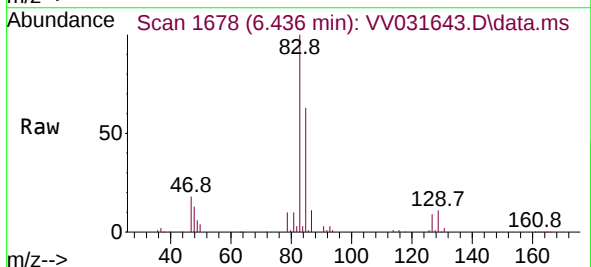
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

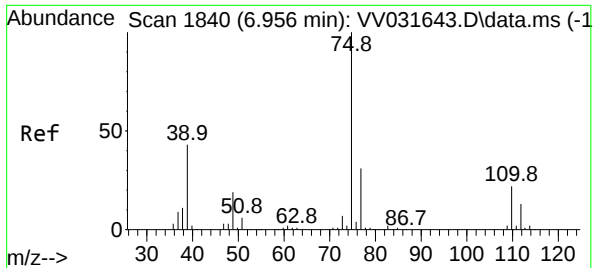
Tgt Ion: 63 Resp: 97906
Ion Ratio Lower Upper
63 100
112 4.2 3.3 4.9



#38
Bromodichloromethane
Concen: 47.225 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 83 Resp: 132200
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1
127 9.6 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 46.829 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

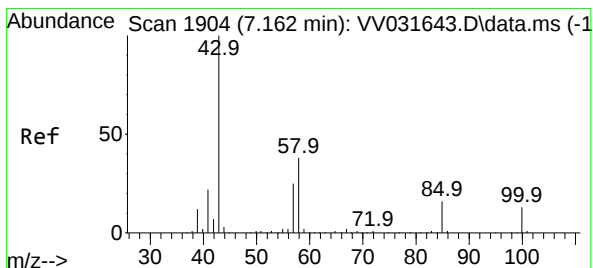
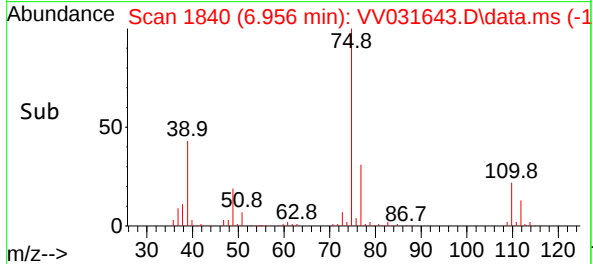
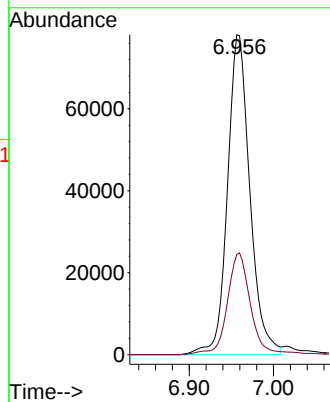
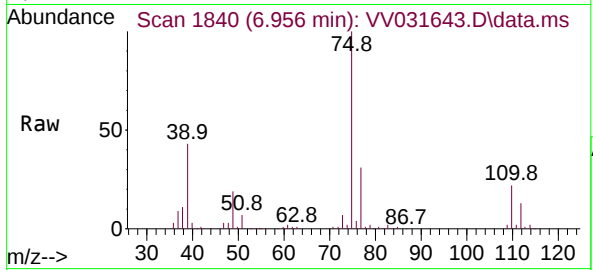
VSTD050384

Tgt Ion: 75 Resp: 143968

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 110.203 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

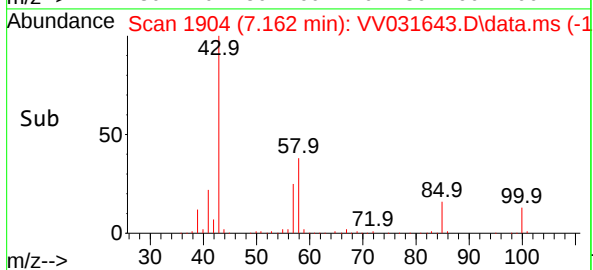
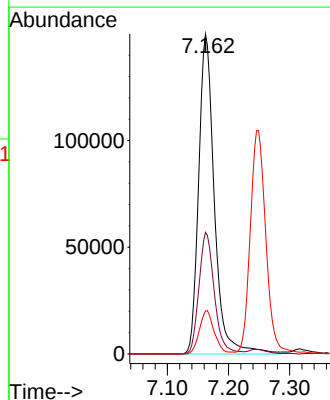
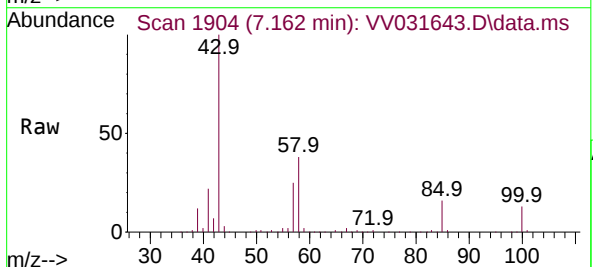
Tgt Ion: 43 Resp: 267995

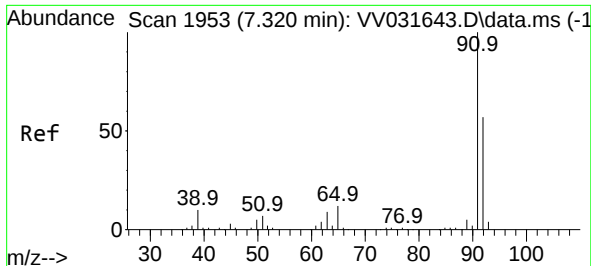
Ion Ratio Lower Upper

43 100

58 37.1 31.8 47.8

100 12.7 11.1 16.7





#42

Toluene

Concen: 48.053 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

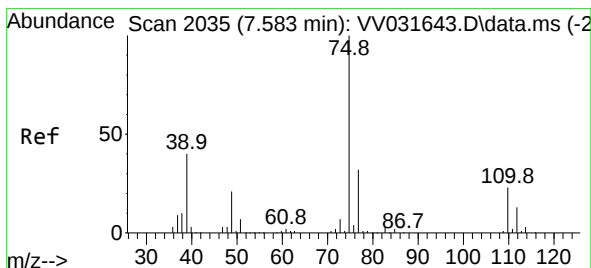
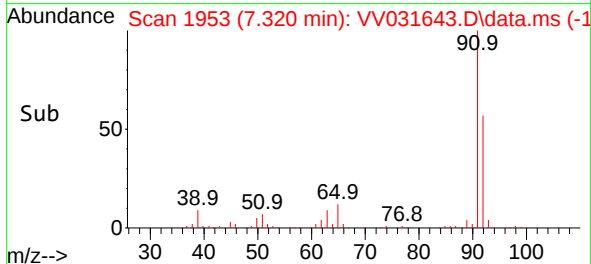
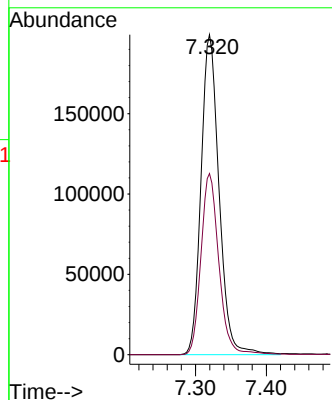
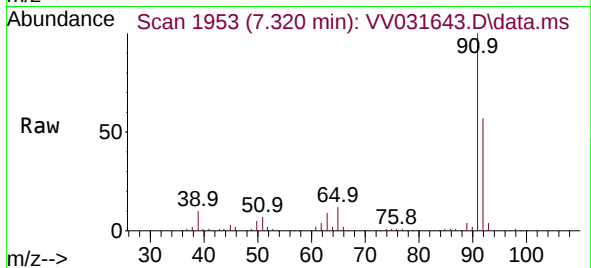
VSTD050384

Tgt Ion: 91 Resp: 351394

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 49.259 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031643.D

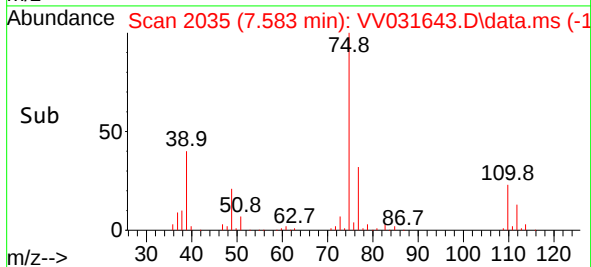
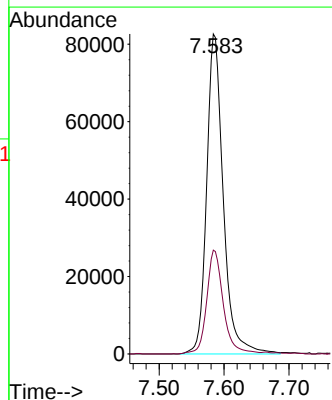
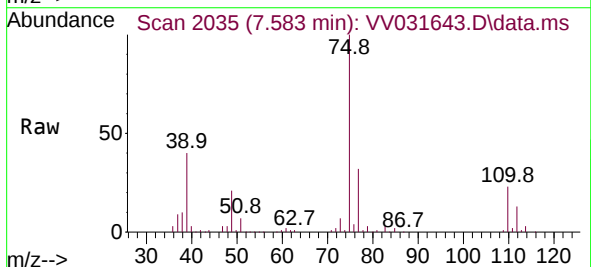
Acq: 06 Jul 2023 09:34

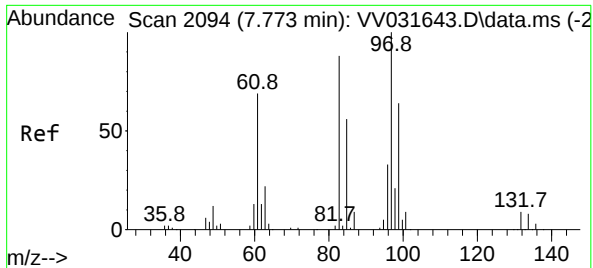
Tgt Ion: 75 Resp: 147475

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 46.166 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

Tgt Ion: 97 Resp: 90321

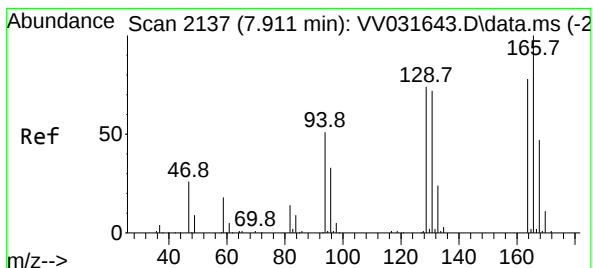
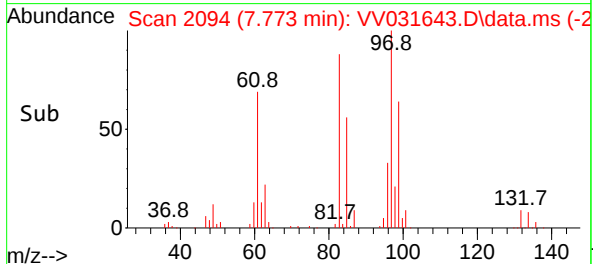
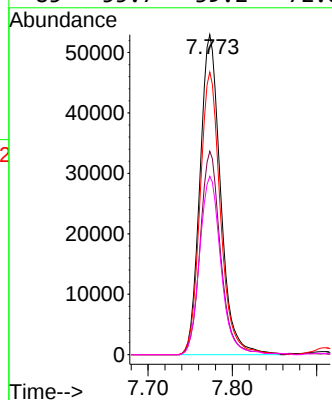
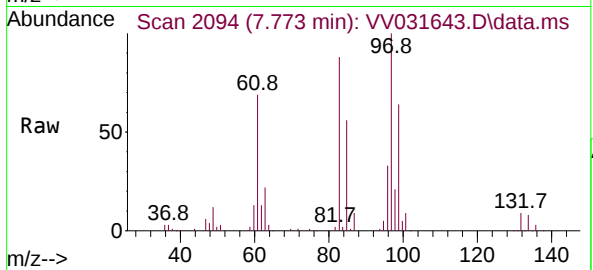
Ion Ratio Lower Upper

97 100

99 63.6 43.7 81.1

83 90.2 60.9 113.1

85 55.7 39.2 72.8



#46

Tetrachloroethene

Concen: 44.651 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Tgt Ion:164 Resp: 66047

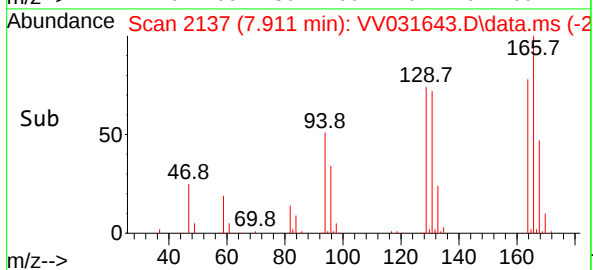
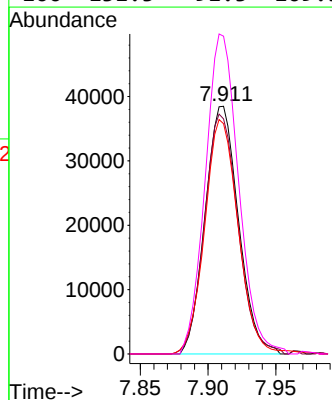
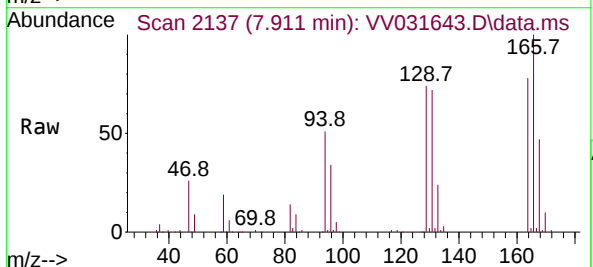
Ion Ratio Lower Upper

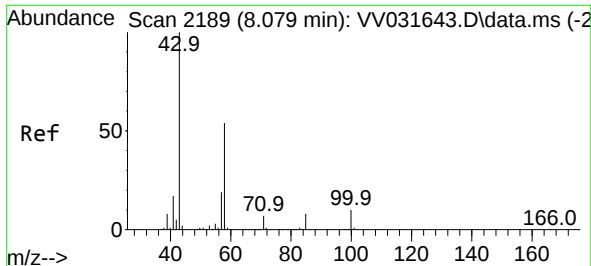
164 100

129 94.9 68.4 127.0

131 95.3 67.6 125.6

166 131.3 91.3 169.5



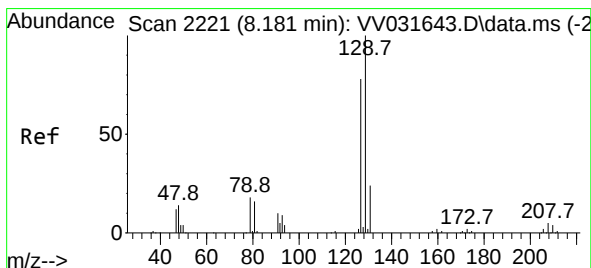
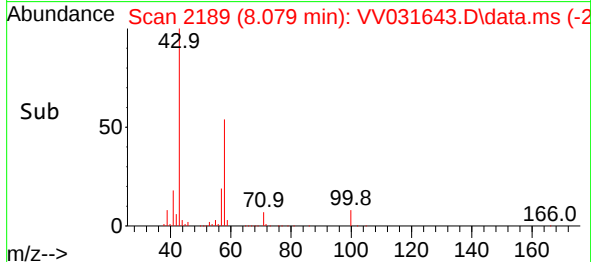
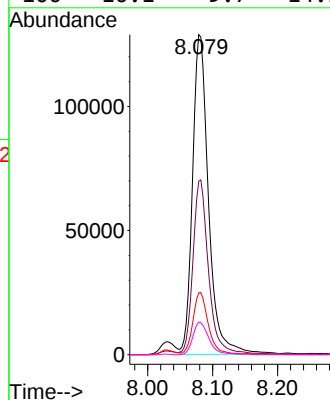
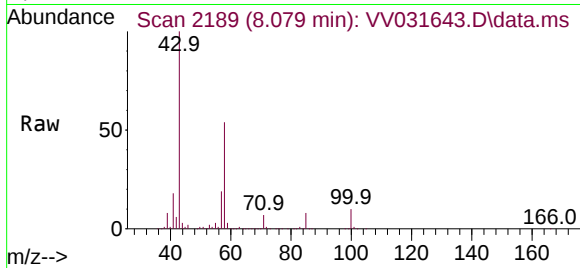


#48
2-Hexanone
Concen: 113.827 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

Tgt Ion: 43 Resp: 221076

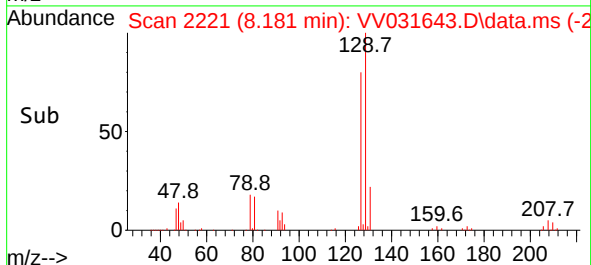
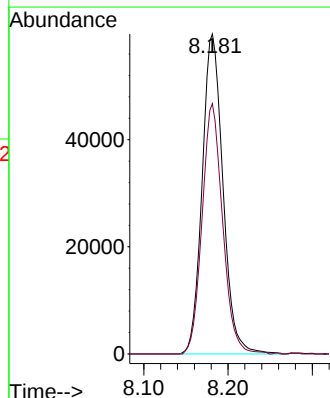
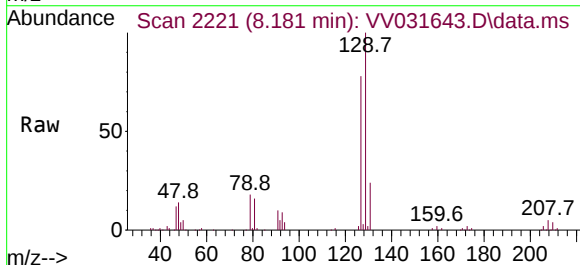
Ion	Ratio	Lower	Upper
43	100		
58	52.2	46.7	70.1
57	18.6	15.5	23.3
100	10.1	9.7	14.5

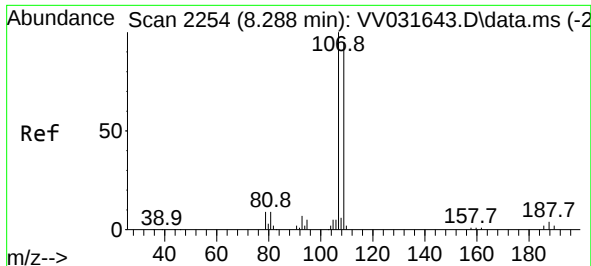


#49
Dibromochloromethane
Concen: 47.165 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 129 Resp: 102556

Ion	Ratio	Lower	Upper
129	100		
127	80.0	55.8	103.6





#50

1,2-Dibromoethane

Concen: 45.060 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

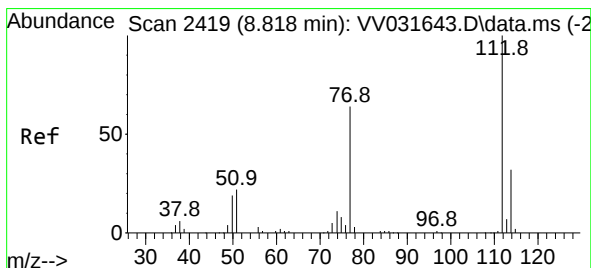
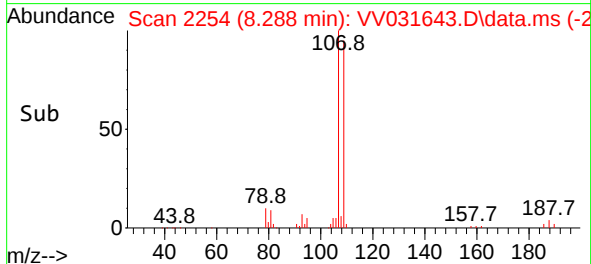
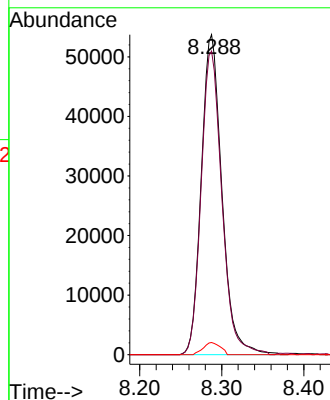
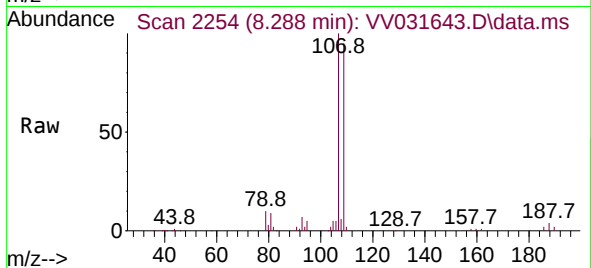
Tgt Ion:107 Resp: 93869

Ion Ratio Lower Upper

107 100

109 94.8 65.7 122.1

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 45.019 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

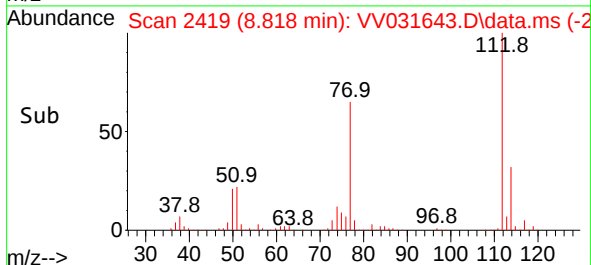
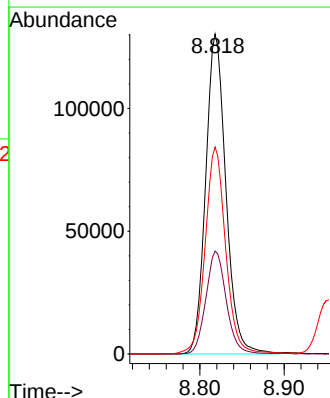
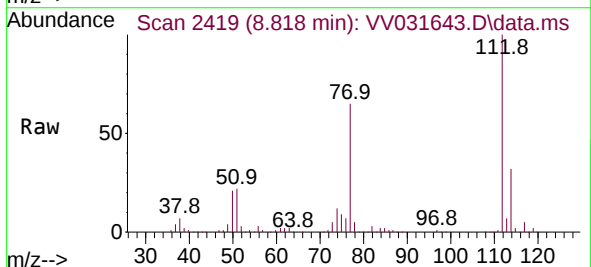
Tgt Ion:112 Resp: 218037

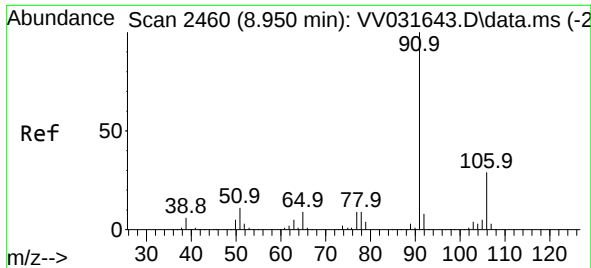
Ion Ratio Lower Upper

112 100

114 32.2 22.9 42.5

77 64.6 52.5 78.7

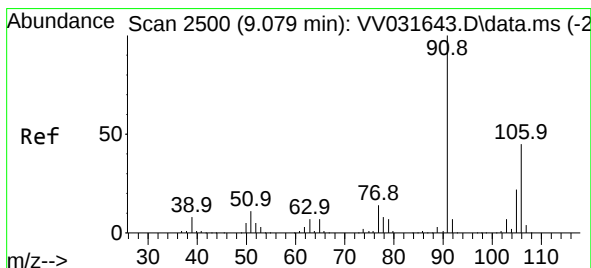
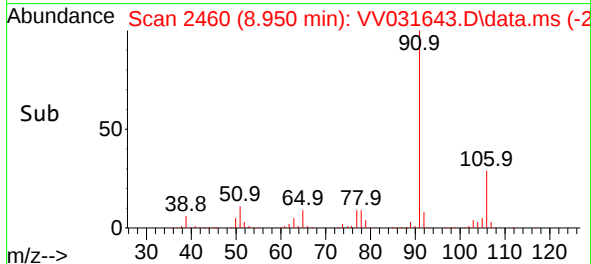
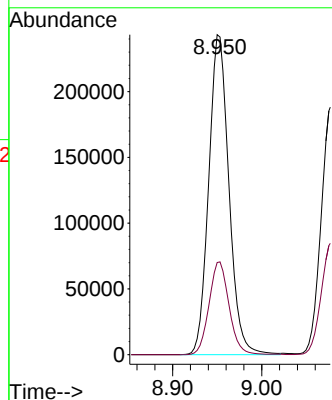
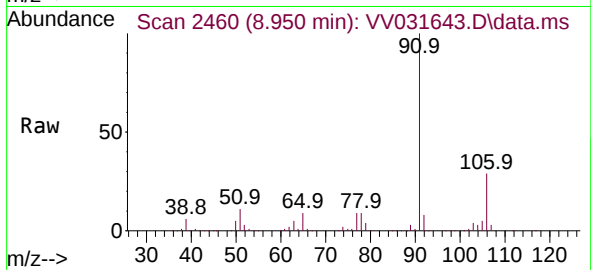




#52
Ethylbenzene
Concen: 46.899 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

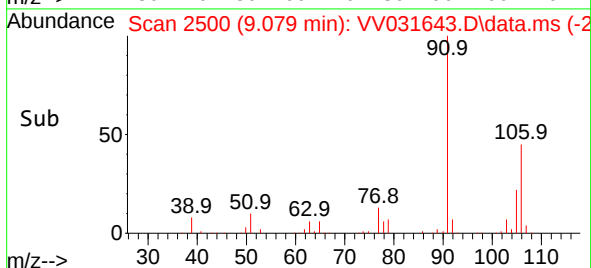
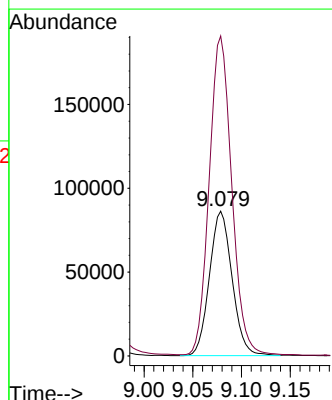
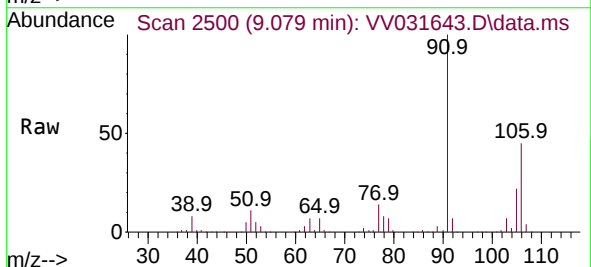
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

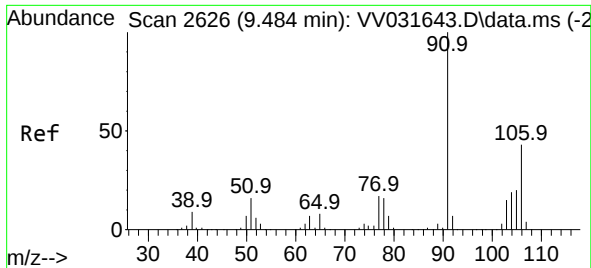
Tgt Ion: 91 Resp: 382679
Ion Ratio Lower Upper
91 100
106 28.8 20.8 38.6



#53
m,p-Xylene
Concen: 46.662 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion:106 Resp: 139434
Ion Ratio Lower Upper
106 100
91 221.0 149.0 276.6

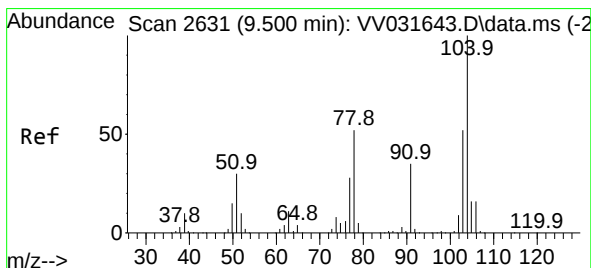
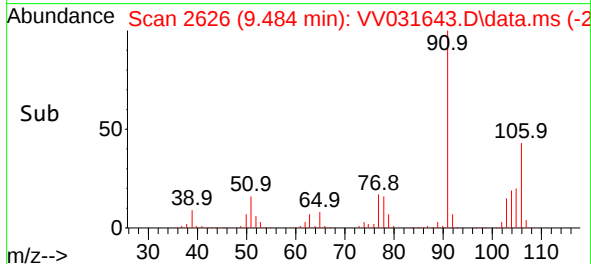
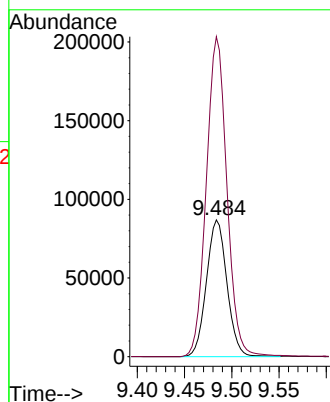
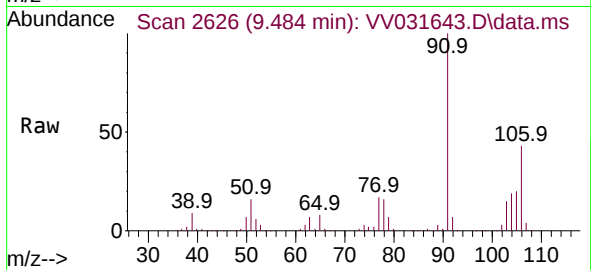




#54
o-Xylene
Concen: 46.378 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

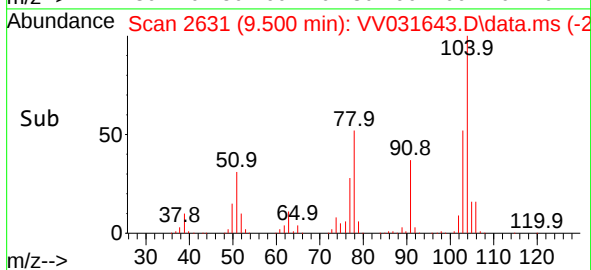
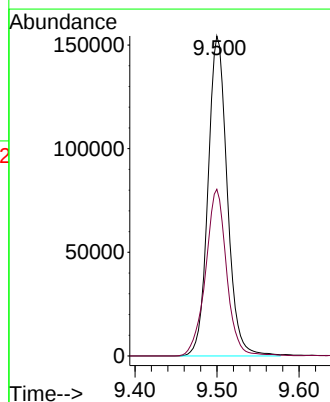
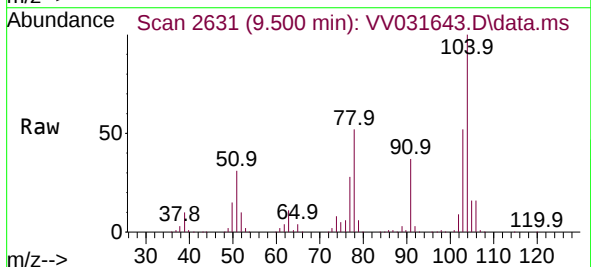
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

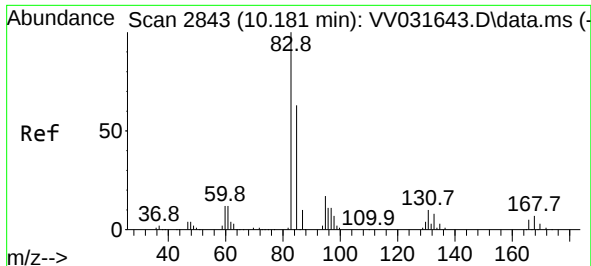
Tgt Ion:106 Resp: 131515
Ion Ratio Lower Upper
106 100
91 234.0 161.3 299.7



#55
Styrene
Concen: 49.688 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion:104 Resp: 251641
Ion Ratio Lower Upper
104 100
78 52.1 35.1 65.3

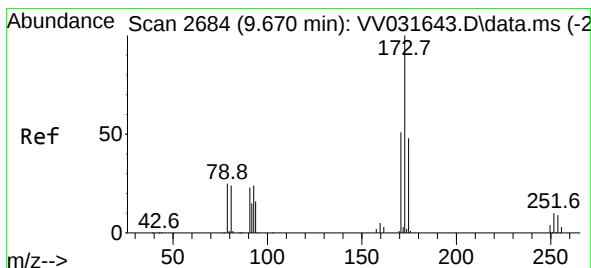
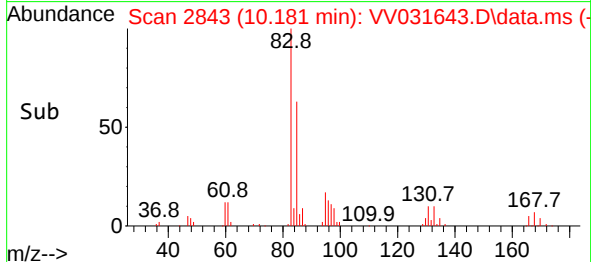
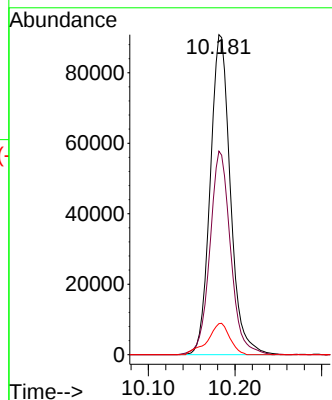
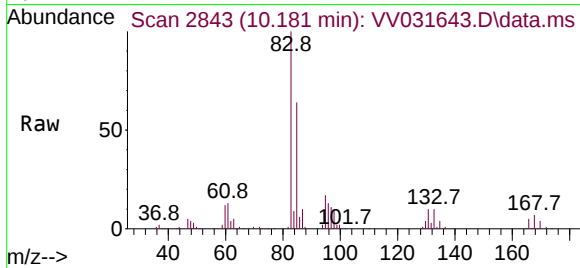




#57
1,1,2,2-Tetrachloroethane
Concen: 45.949 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

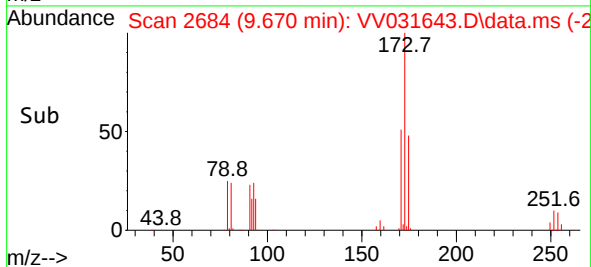
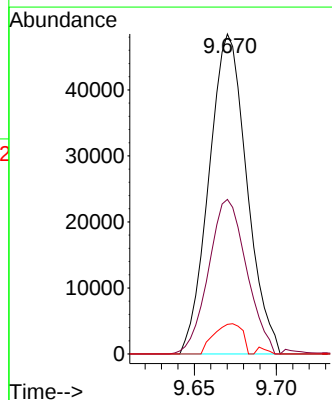
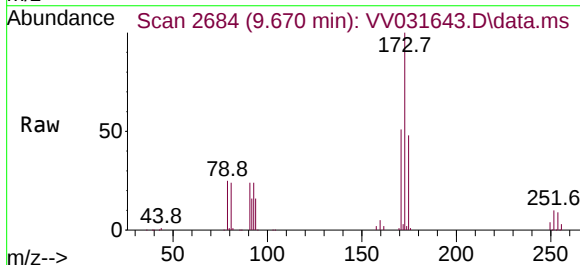
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

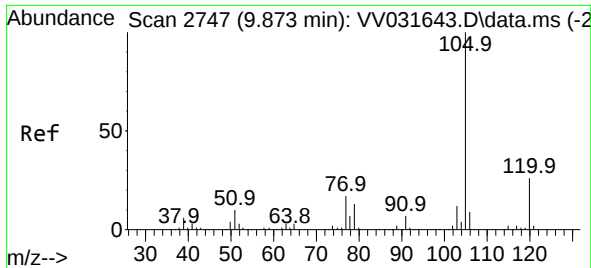
Tgt Ion: 83 Resp: 146885
Ion Ratio Lower Upper
83 100
85 63.6 43.1 80.1
131 13.1 10.6 16.0



#59
Bromoform
Concen: 46.744 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 173 Resp: 77676
Ion Ratio Lower Upper
173 100
175 48.5 37.7 56.5
254 7.1 0.1 0.1

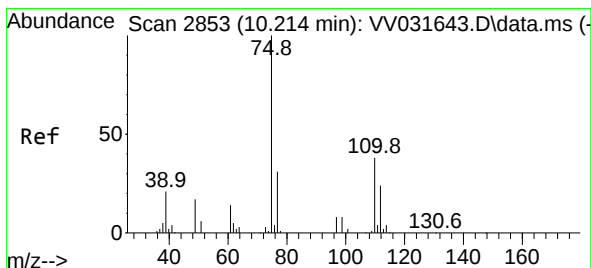
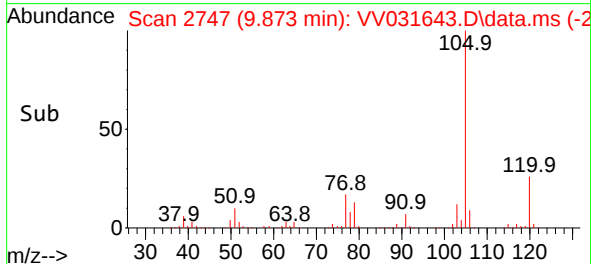
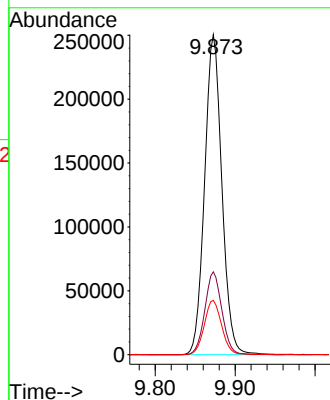
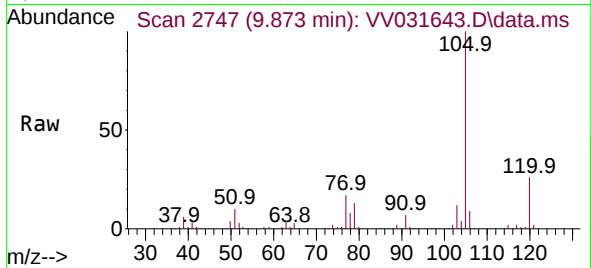




#60
Isopropylbenzene
Concen: 44.023 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

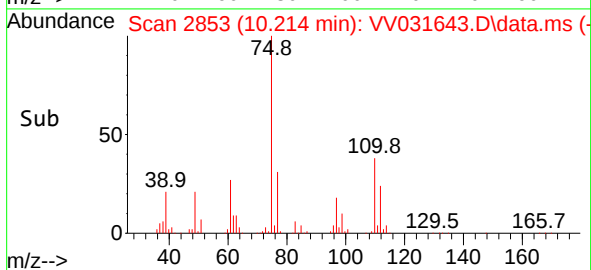
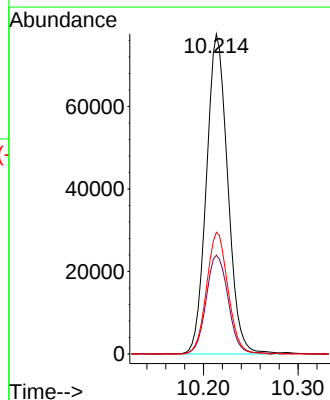
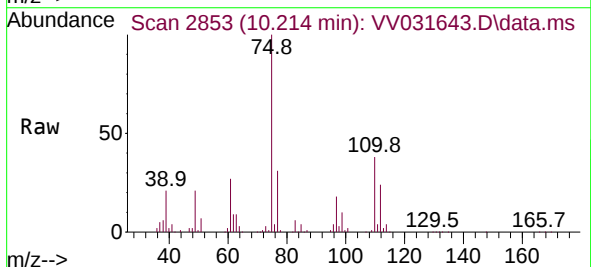
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

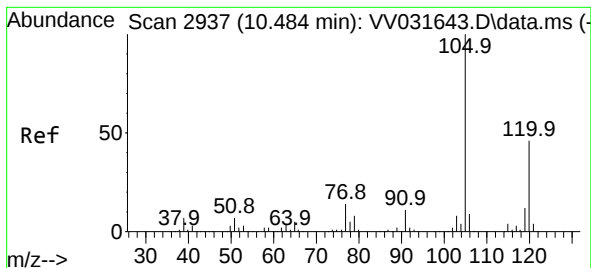
Tgt Ion:105 Resp: 376238
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.2
77 17.1 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 45.965 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion: 75 Resp: 121706
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 38.1 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 43.834 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

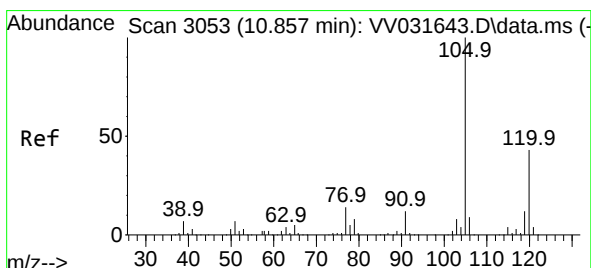
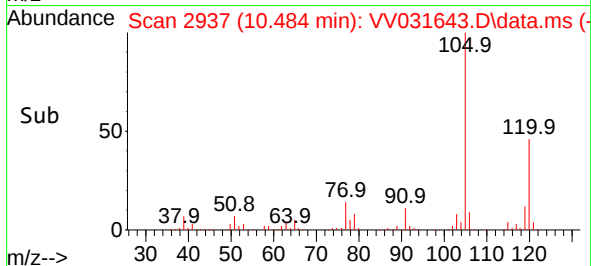
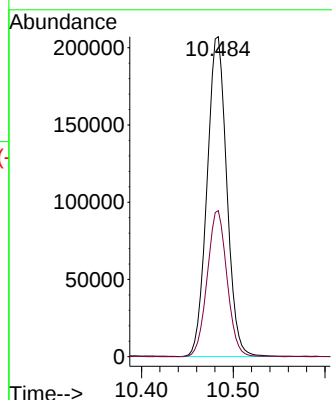
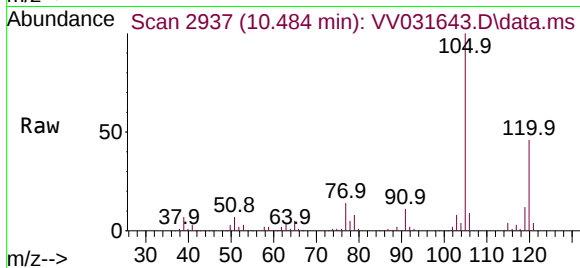
VSTD050384

Tgt Ion:105 Resp: 309624

Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 43.485 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031643.D

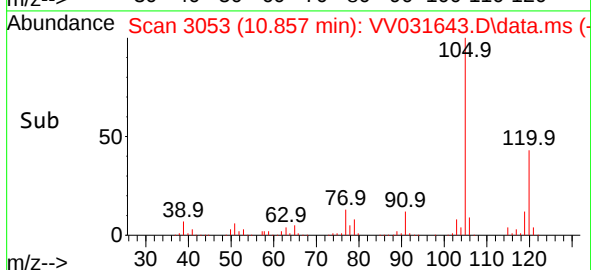
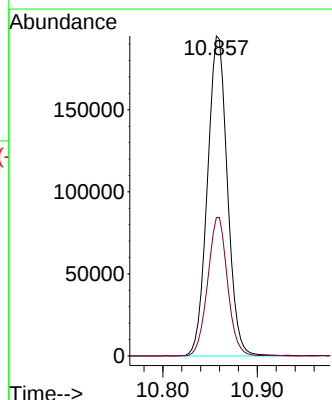
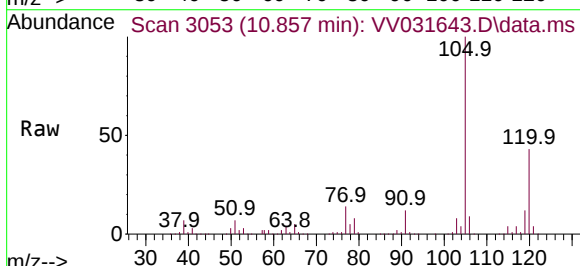
Acq: 06 Jul 2023 09:34

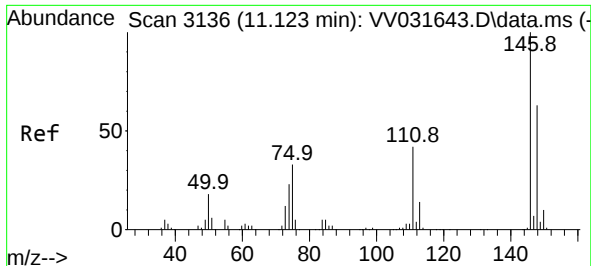
Tgt Ion:105 Resp: 286199

Ion Ratio Lower Upper

105 100

120 42.8 33.4 50.2

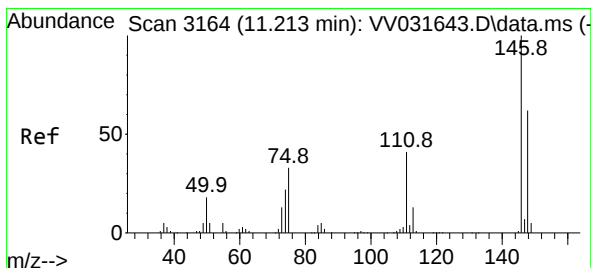
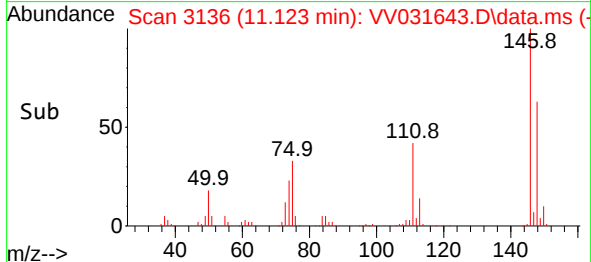
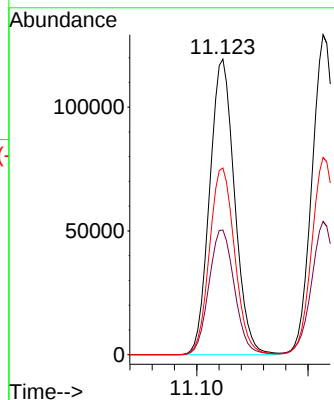
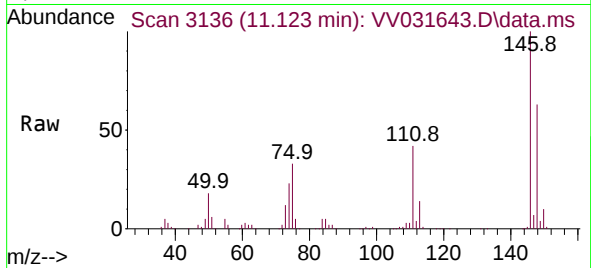




#64
1,3-Dichlorobenzene
Concen: 43.426 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

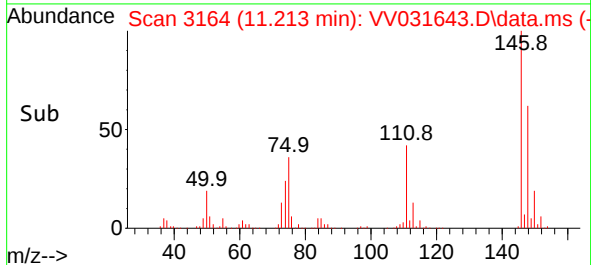
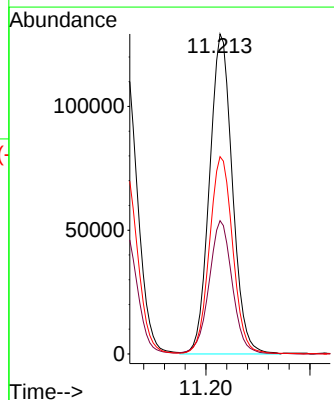
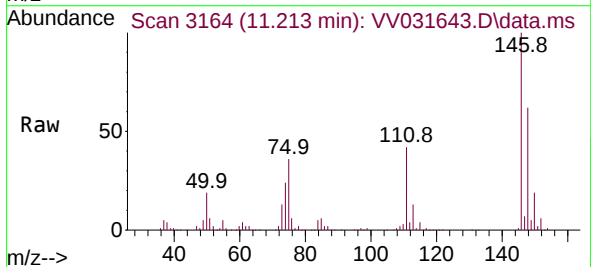
Instrument :
MSVOA_V
ClientSampleId :
VSTD050384

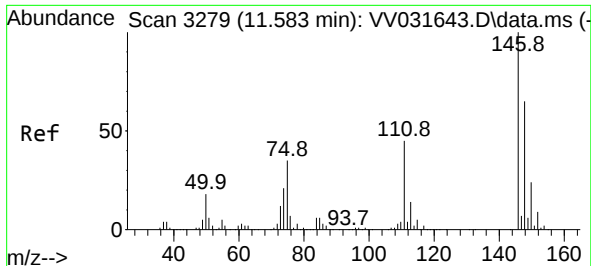
Tgt Ion:146 Resp: 186068
Ion Ratio Lower Upper
146 100
111 42.2 30.4 56.5
148 63.2 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 43.314 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031643.D
Acq: 06 Jul 2023 09:34

Tgt Ion:146 Resp: 197766
Ion Ratio Lower Upper
146 100
111 41.7 27.9 51.7
148 61.6 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 43.914 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

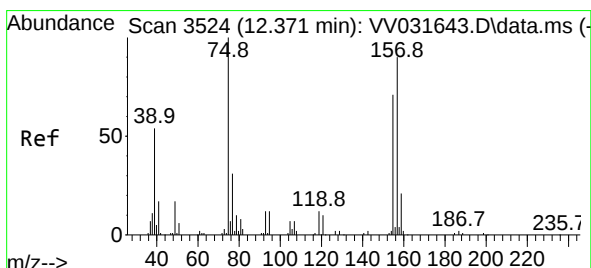
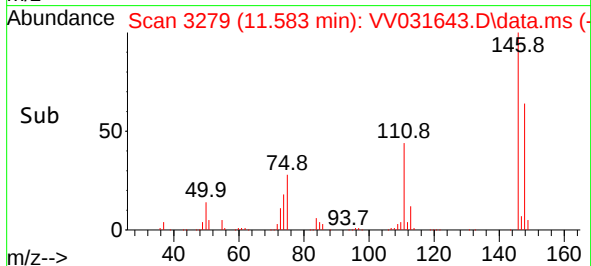
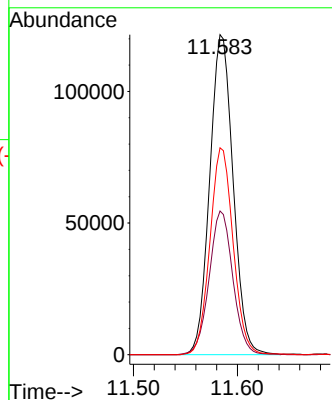
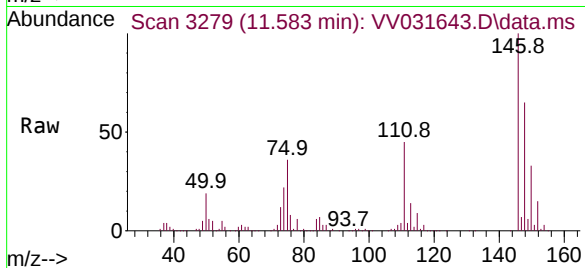
Tgt Ion:146 Resp: 189909

Ion Ratio Lower Upper

146 100

111 44.9 35.9 53.9

148 64.6 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 53.047 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

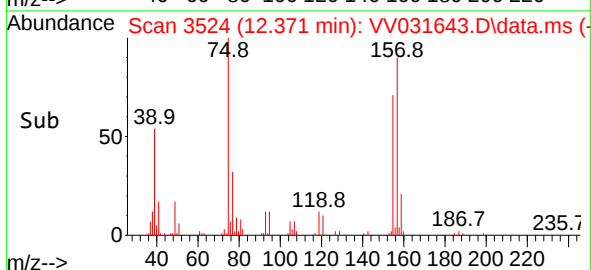
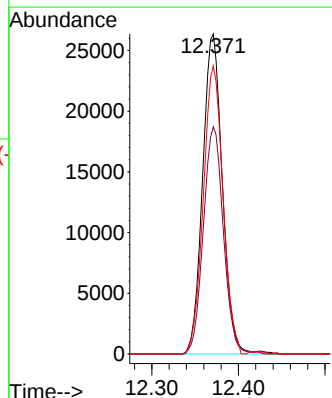
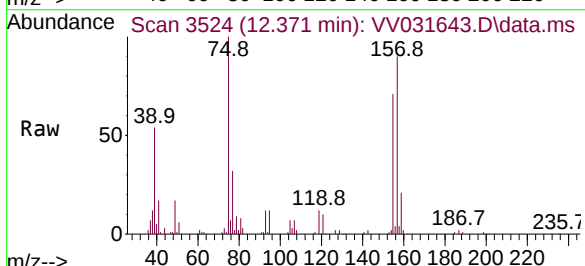
Tgt Ion: 75 Resp: 41688

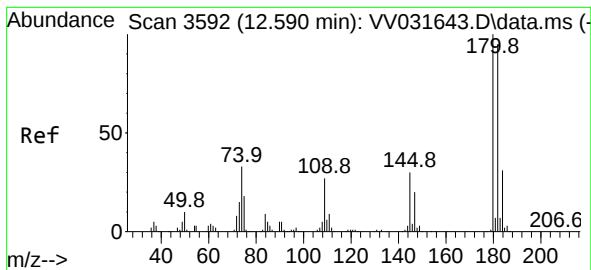
Ion Ratio Lower Upper

75 100

155 71.0 63.2 94.8

157 93.6 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 48.437 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

Tgt Ion:180 Resp: 158140

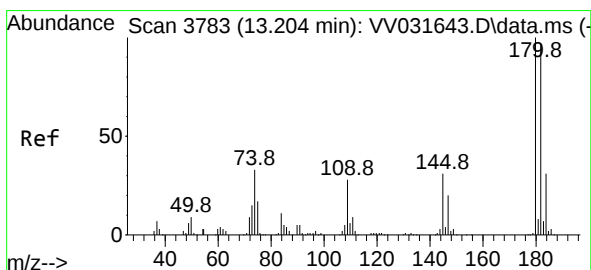
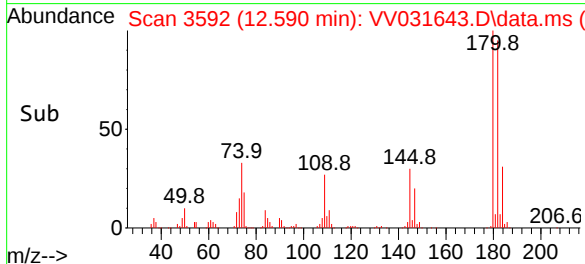
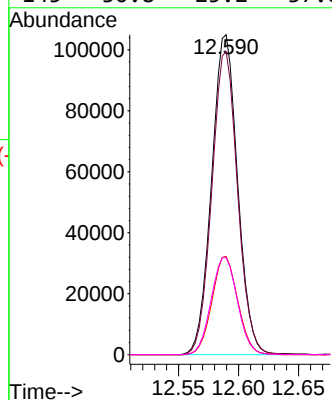
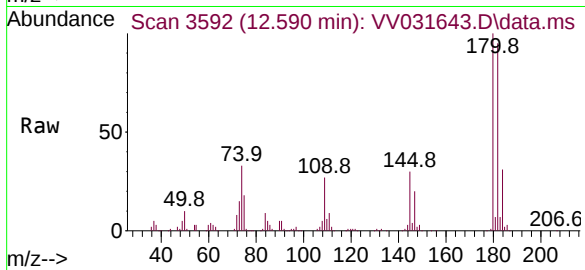
Ion Ratio Lower Upper

180 100

182 93.8 76.6 115.0

184 30.5 24.7 37.1

145 30.8 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 49.545 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

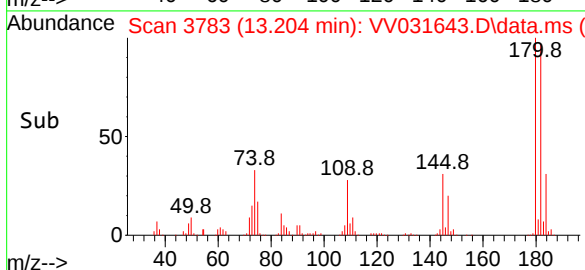
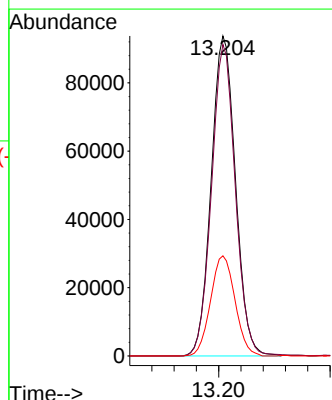
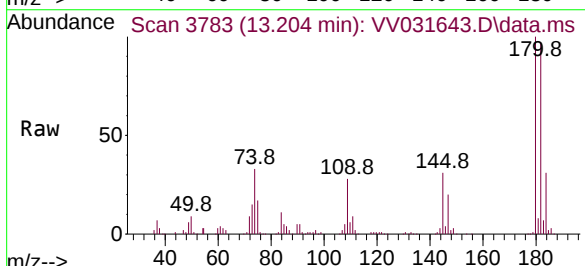
Tgt Ion:180 Resp: 141788

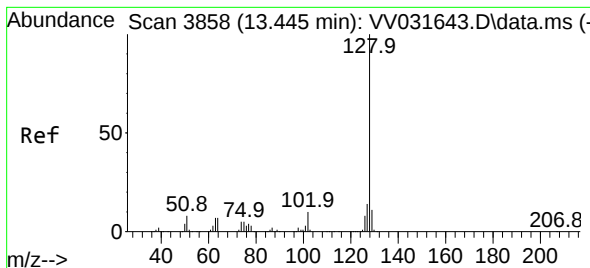
Ion Ratio Lower Upper

180 100

182 95.6 77.7 116.5

145 31.5 26.1 39.1





#71

Naphthalene

Concen: 53.036 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050384

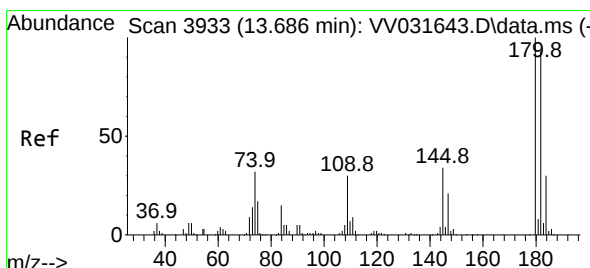
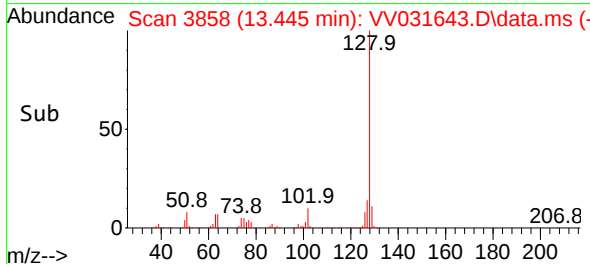
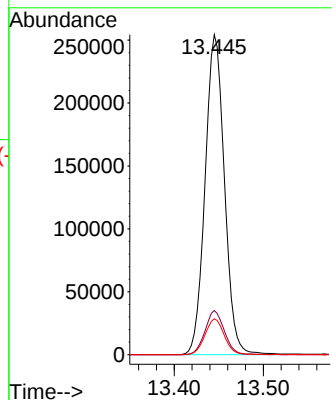
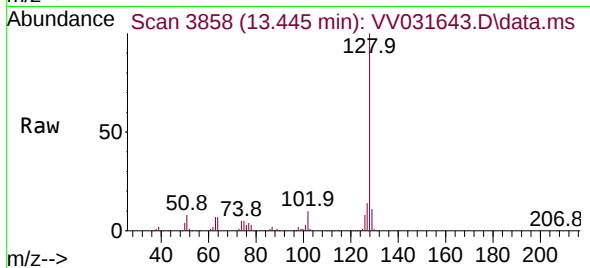
Tgt Ion:128 Resp: 384448

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 11.2 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.056 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031643.D

Acq: 06 Jul 2023 09:34

Tgt Ion:180 Resp: 148859

Ion Ratio Lower Upper

180 100

182 95.5 74.0 111.0

145 33.0 26.2 39.2

