

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062123\
 Data File : VW031608.D
 Acq On : 21 Jun 2023 16:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050379

Quant Time: Jun 22 02:16:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 22 02:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	241061	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	242326	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	150959	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	77211	48.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.260%
7) Chloroethane-d5	1.535	69	68028	48.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.063	65	37666	45.554	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.100%
21) 2-Butanone-d5	3.799	46	102306	78.753	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.750%
24) Chloroform-d	4.259	84	173391	43.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.300%
26) 1,2-Dichloroethane-d4	4.947	65	106402	42.326	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.660%
32) Benzene-d6	4.969	84	320909	47.048	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.100%
36) 1,2-Dichloropropane-d6	5.995	67	102070	42.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.440%
41) Toluene-d8	7.249	98	303631	48.509	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	7.558	79	51043	43.310	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.620%
47) 2-Hexanone-d5	8.030	63	78245	81.972	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.970%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151571	41.537	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.080%
66) 1,2-Dichlorobenzene-d4	11.567	152	119635	41.575	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	106700	41.729	ug/L	99
3) Chloromethane	1.217	50	92812	38.467	ug/L	97
5) Vinyl chloride	1.288	62	96949	40.534	ug/L	99
6) Bromomethane	1.490	94	66434	42.616	ug/L	100
8) Chloroethane	1.552	64	63296	40.974	ug/L	99
9) Trichlorofluoromethane	1.719	101	176532	44.365	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	97579	45.760	ug/L	98
12) 1,1-Dichloroethene	2.076	96	80183	44.954	ug/L	93
13) Acetone	2.121	43	101798	79.413	ug/L	100
14) Carbon disulfide	2.246	76	237375	43.996	ug/L	99
15) Methyl Acetate	2.378	43	94828	43.938	ug/L	97
16) Methylene chloride	2.455	84	107225	47.949	ug/L	92
17) trans-1,2-Dichloroethene	2.699	96	86637	46.532	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	283136	45.575	ug/L	99
19) 1,1-Dichloroethane	3.121	63	179158	44.584	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	93858	46.647	ug/L	96
22) 2-Butanone	3.879	43	135600	84.677	ug/L	98
23) Bromochloromethane	4.156	128	53238	48.948	ug/L	92
25) Chloroform	4.285	83	196058	46.934	ug/L	99

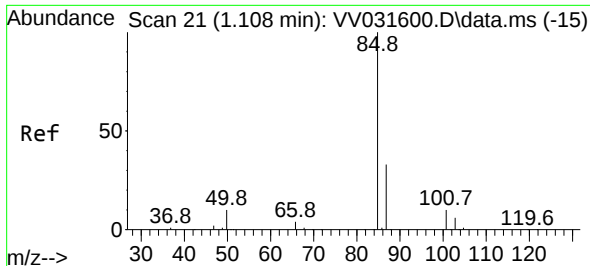
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062123\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	144741	44.895	ug/L	96
29) Cyclohexane	4.593	56	133304	42.282	ug/L	96
30) 1,1,1-Trichloroethane	4.523	97	176778	45.500	ug/L	98
31) Carbon tetrachloride	4.744	117	157550	45.767	ug/L	97
33) Benzene	5.018	78	370821	45.962	ug/L	100
34) Trichloroethene	5.838	95	97829	45.378	ug/L	99
35) Methylcyclohexane	6.059	83	142782	44.948	ug/L	98
37) 1,2-Dichloropropane	6.101	63	109991	46.427	ug/L	99
38) Bromodichloromethane	6.439	83	142971	44.647	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	158713	45.130	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	253684	91.193	ug/L	97
42) Toluene	7.323	91	404871	48.400	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	157271	45.922	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	103936	46.442	ug/L	98
46) Tetrachloroethene	7.911	164	81315	48.057	ug/L	98
48) 2-Hexanone	8.082	43	207562	93.423	ug/L	99
49) Dibromochloromethane	8.182	129	119046	47.861	ug/L	98
50) 1,2-Dibromoethane	8.288	107	114052	47.861	ug/L	99
51) Chlorobenzene	8.818	112	258961	46.742	ug/L	97
52) Ethylbenzene	8.953	91	436882	46.805	ug/L	100
53) m,p-Xylene	9.079	106	165906	48.535	ug/L	98
54) o-Xylene	9.484	106	156519	48.251	ug/L	98
55) Styrene	9.500	104	295492	51.006	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	169124	46.250	ug/L	99
59) Bromoform	9.670	173	94132	50.305	ug/L #	99
60) Isopropylbenzene	9.873	105	438874	45.602	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	131170	43.992	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	361126	45.401	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	338454	45.667	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	224486	46.525	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	235418	45.787	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	228287	46.877	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	38227	43.196	ug/L	96
69) 1,3,5-Trichlorobenzene	12.586	180	167855	45.656	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	144023	44.691	ug/L	99
71) Naphthalene	13.445	128	357547	43.802	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151133	45.130	ug/L	96

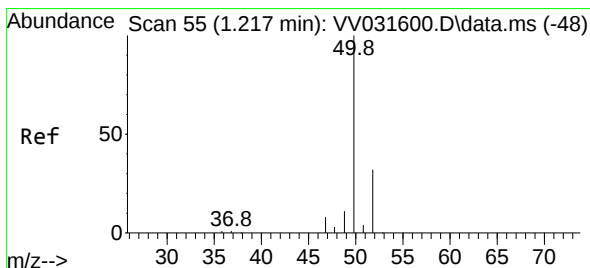
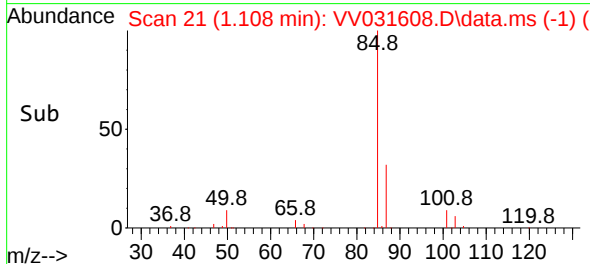
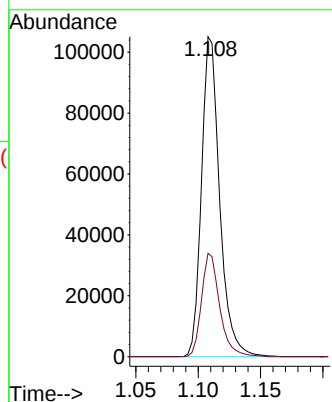
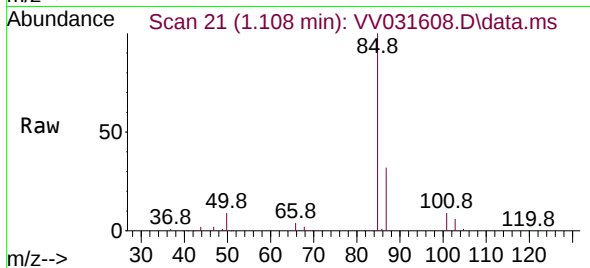
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#2
 Dichlorodifluoromethane
 Concen: 41.729 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031608.D
 Acq: 21 Jun 2023 16:14

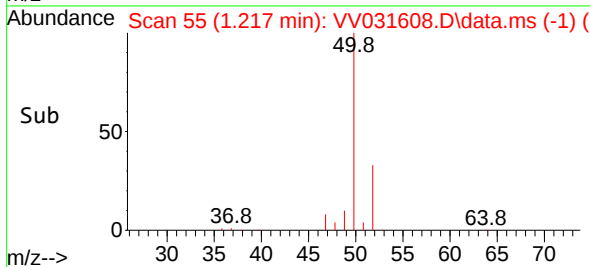
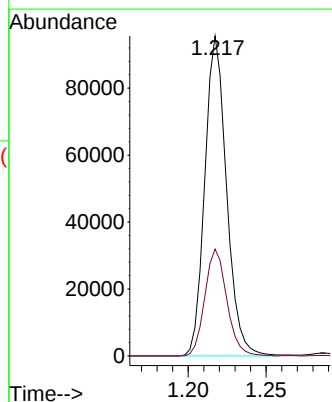
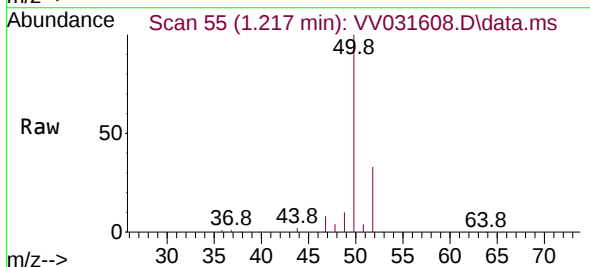
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050379

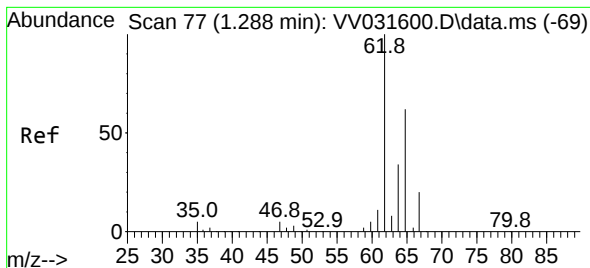
Tgt Ion: 85 Resp: 106700
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.5 38.3



#3
 Chloromethane
 Concen: 38.467 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031608.D
 Acq: 21 Jun 2023 16:14

Tgt Ion: 50 Resp: 92812
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.3 41.5





#5

Vinyl chloride

Concen: 40.534 ug/L

RT: 1.288 min Scan# 71

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

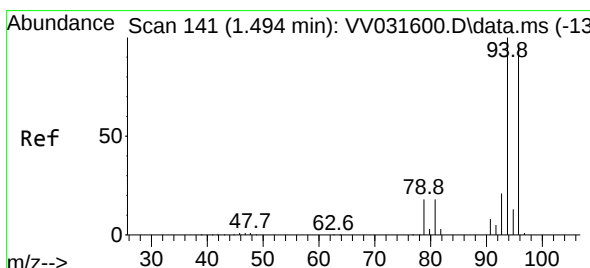
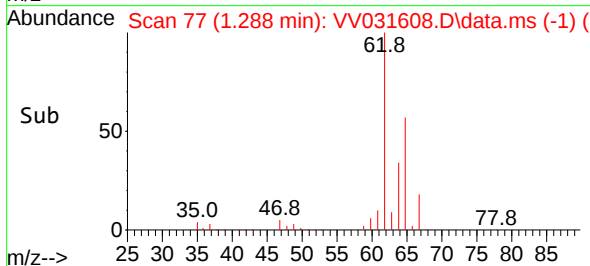
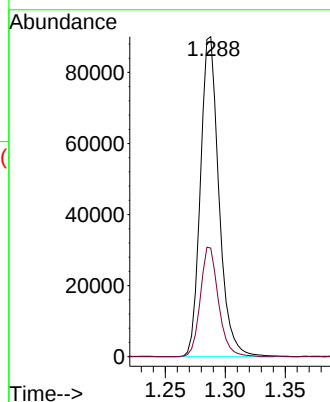
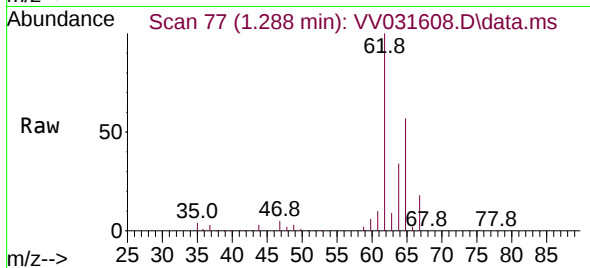
VSTD050379

Tgt Ion: 62 Resp: 96949

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



#6

Bromomethane

Concen: 42.616 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.003 min

Lab File: VV031608.D

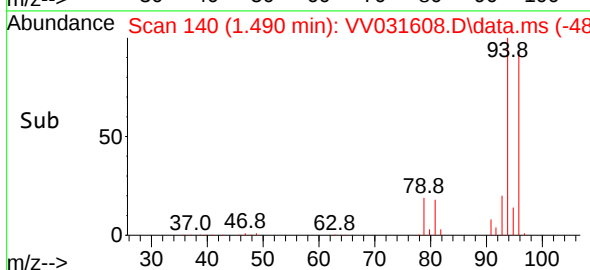
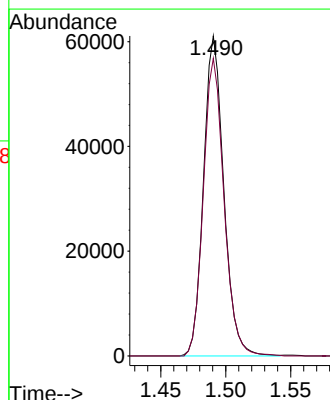
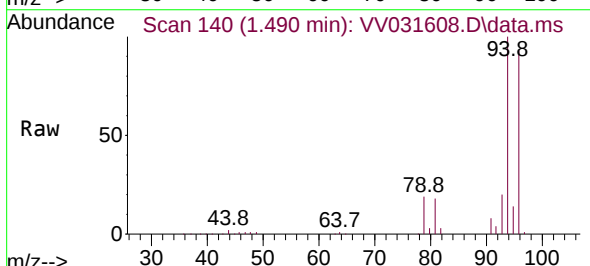
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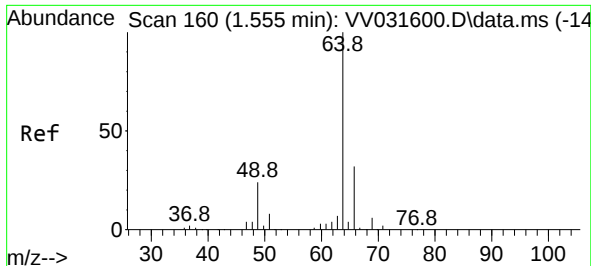
Tgt Ion: 94 Resp: 66434

Ion Ratio Lower Upper

94 100

96 93.0 65.4 121.4





#8

Chloroethane

Concen: 40.974 ug/L

RT: 1.552 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

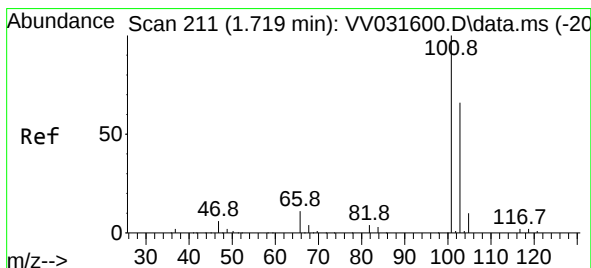
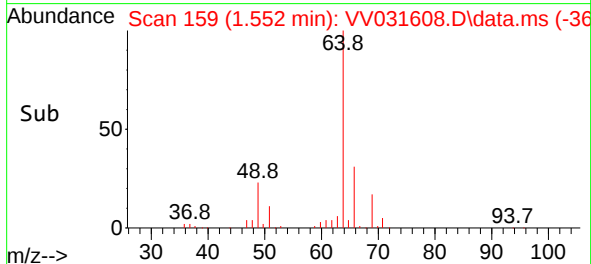
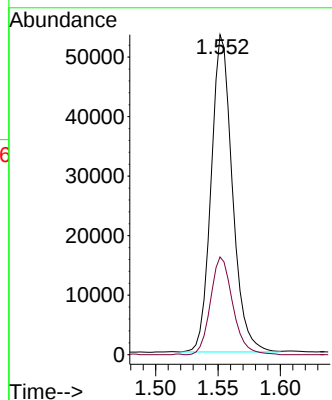
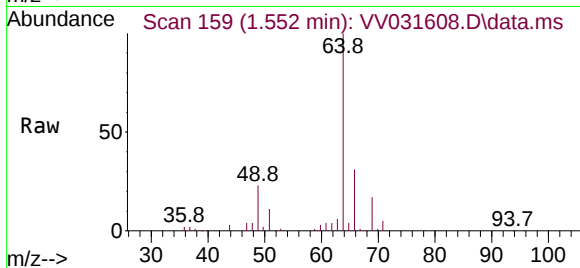
VSTD050379

Tgt Ion: 64 Resp: 63296

Ion Ratio Lower Upper

64 100

66 30.5 21.0 39.0



#9

Trichlorofluoromethane

Concen: 44.365 ug/L

RT: 1.719 min Scan# 211

Delta R.T. -0.000 min

Lab File: VV031608.D

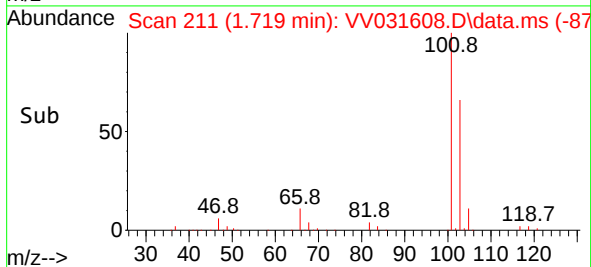
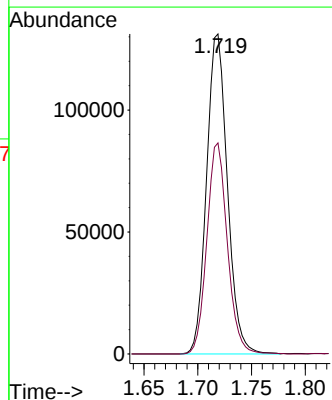
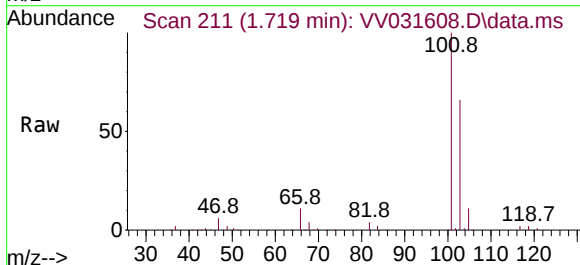
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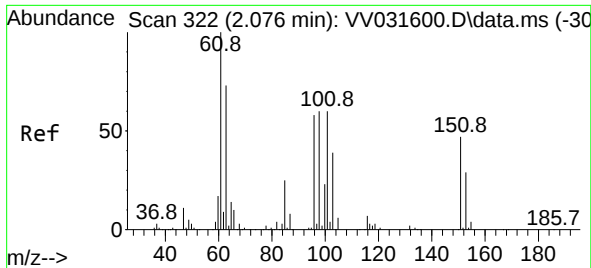
Tgt Ion:101 Resp: 176532

Ion Ratio Lower Upper

101 100

103 64.8 50.9 76.3

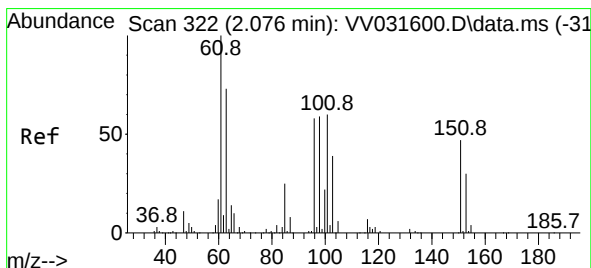
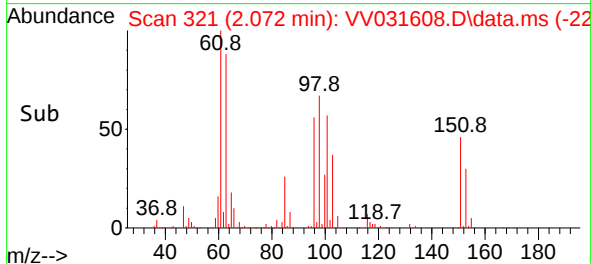
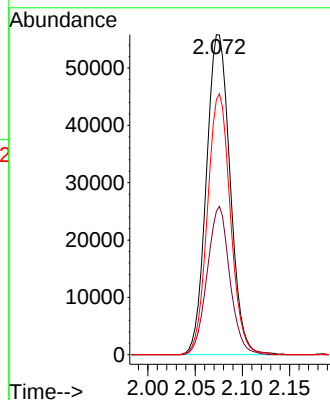
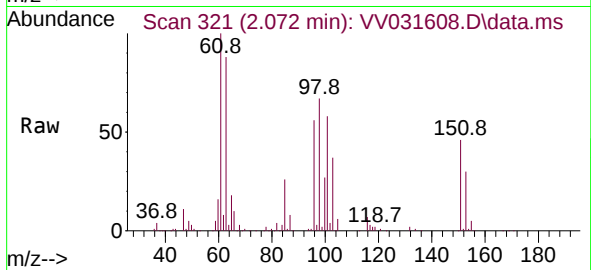




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.760 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

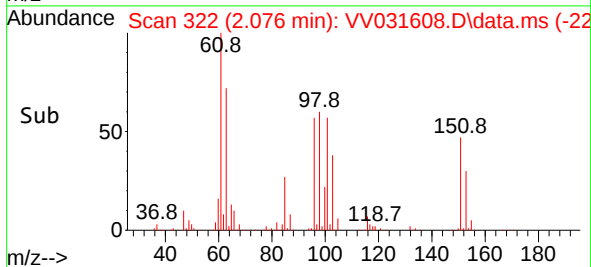
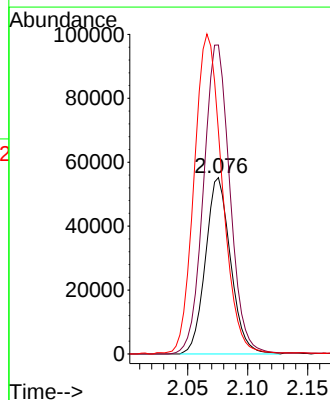
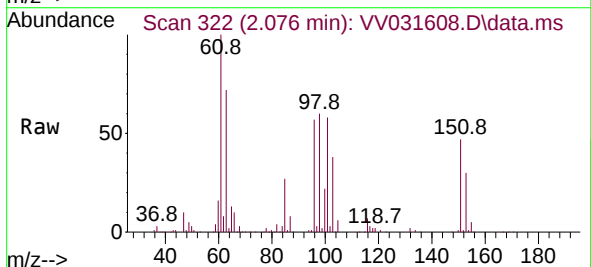
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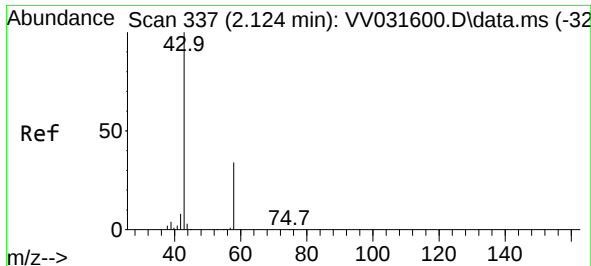
Tgt Ion:101 Resp: 97579
Ion Ratio Lower Upper
101 100
85 44.1 37.4 56.0
151 78.8 62.3 93.5



#12
1,1-Dichloroethene
Concen: 44.954 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 96 Resp: 80183
Ion Ratio Lower Upper
96 100
61 175.2 128.9 239.5
63 126.2 95.3 177.1





#13

Acetone

Concen: 79.413 ug/L

RT: 2.121 min Scan# 337

Delta R.T. -0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

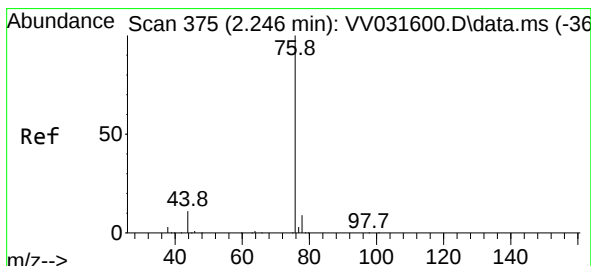
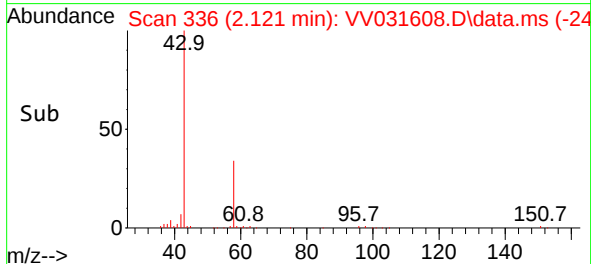
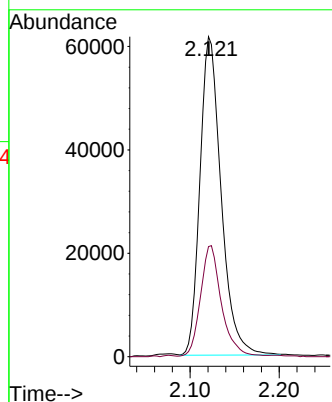
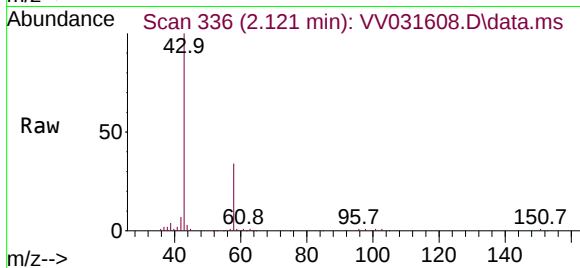
VSTD050379

Tgt Ion: 43 Resp: 101798

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.6



#14

Carbon disulfide

Concen: 43.996 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031608.D

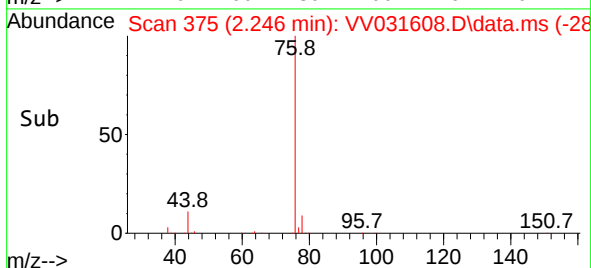
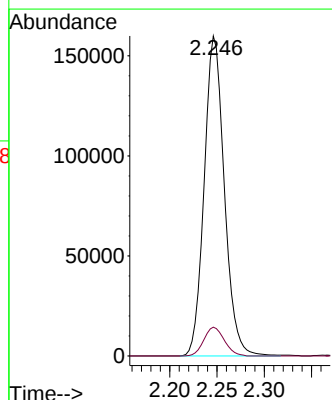
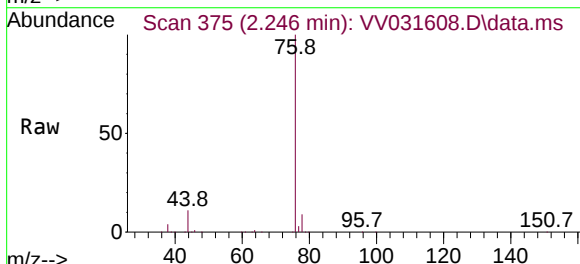
Acq: 21 Jun 2023 16:14

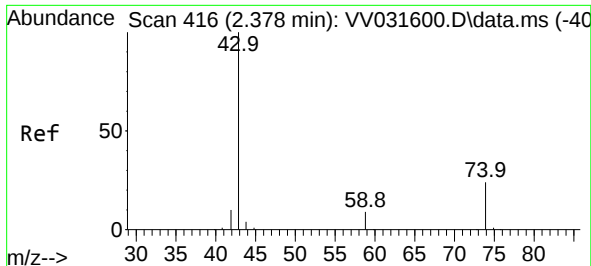
Tgt Ion: 76 Resp: 237375

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

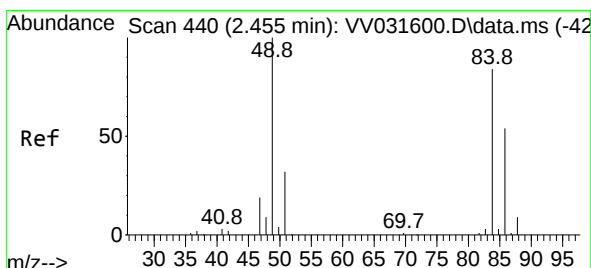
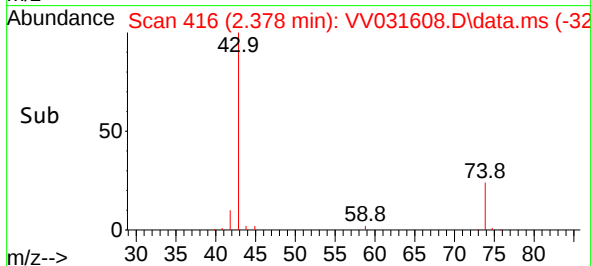
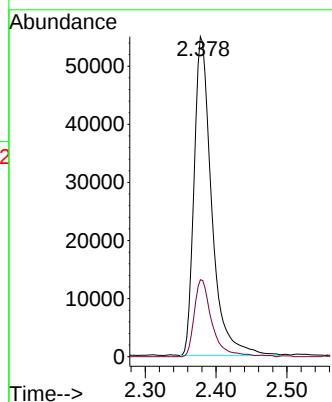
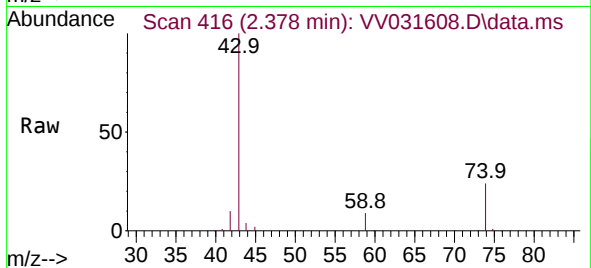




#15
Methyl Acetate
Concen: 43.938 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

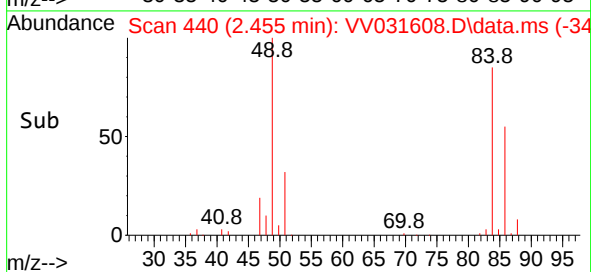
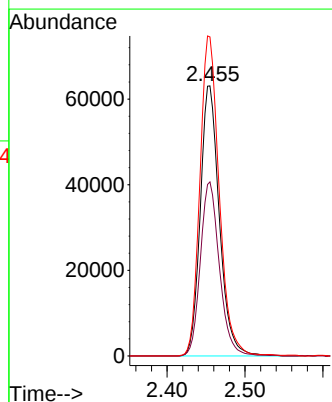
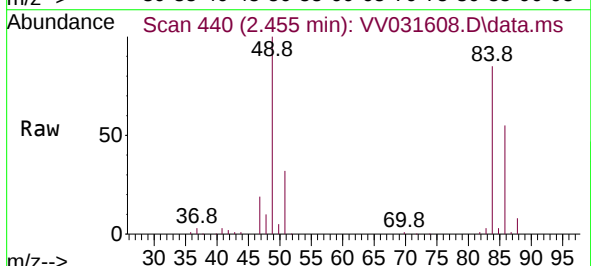
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

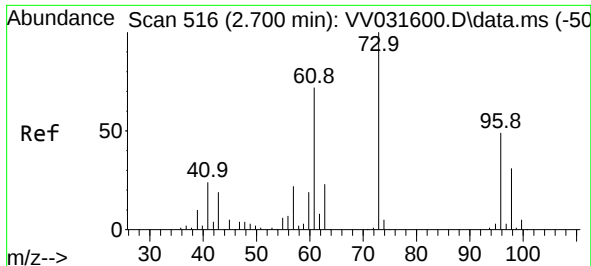
Tgt Ion: 43 Resp: 94828
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.6



#16
Methylene chloride
Concen: 47.949 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 84 Resp: 107225
Ion Ratio Lower Upper
84 100
86 64.5 45.8 85.0
49 118.1 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 46.532 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

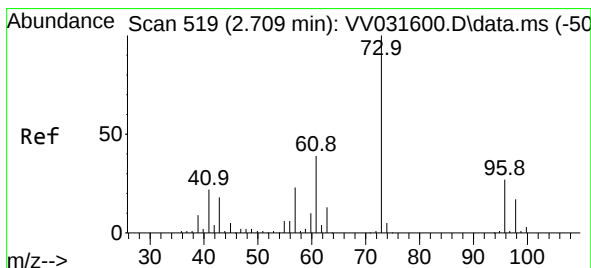
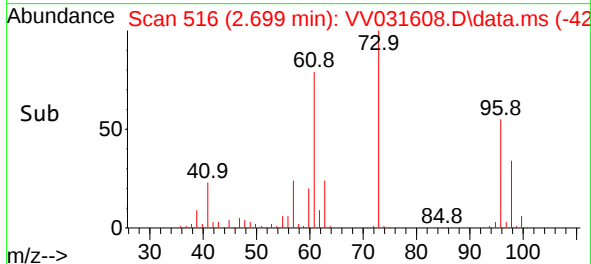
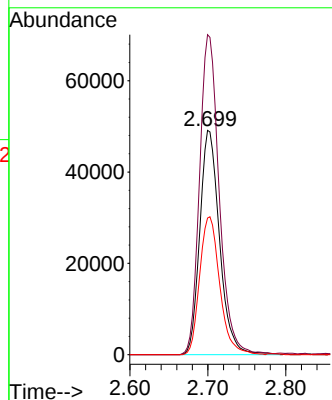
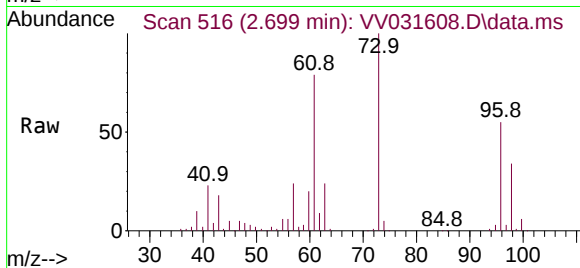
Tgt Ion: 96 Resp: 86637

Ion Ratio Lower Upper

96 100

61 142.7 102.5 190.3

98 62.8 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 45.575 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

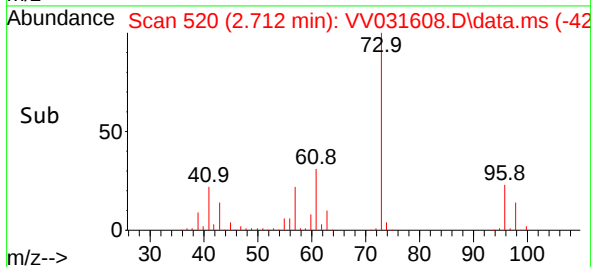
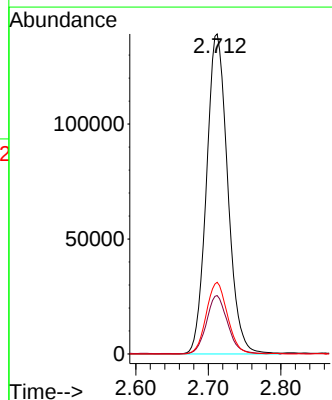
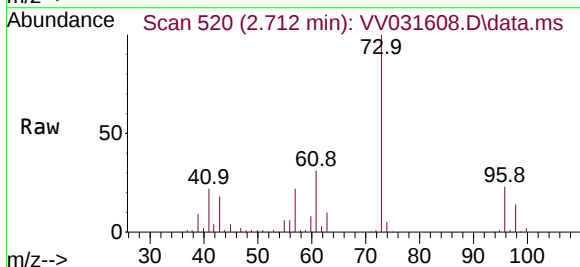
Tgt Ion: 73 Resp: 283136

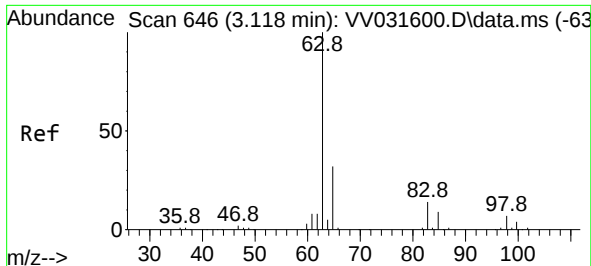
Ion Ratio Lower Upper

73 100

43 18.0 15.0 22.4

57 22.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 44.584 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

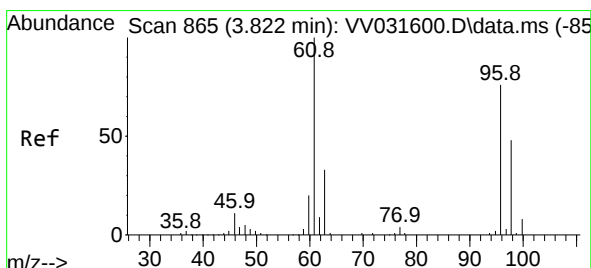
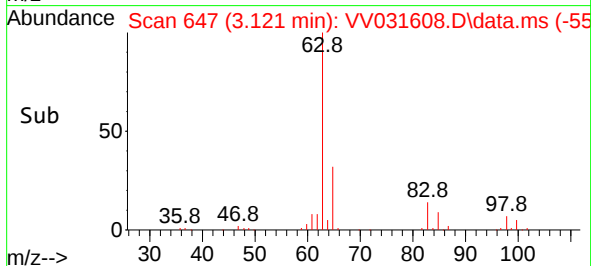
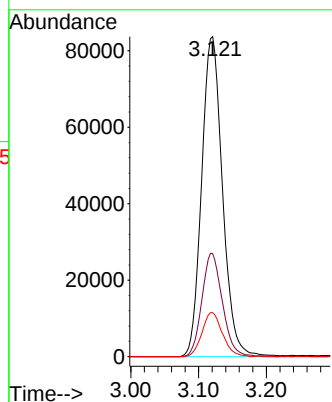
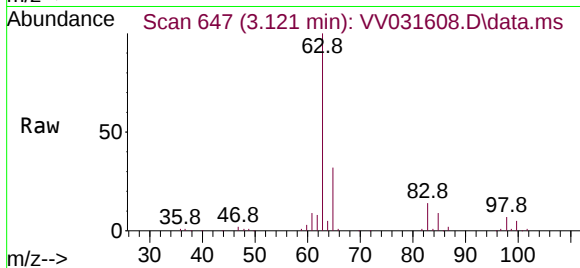
Tgt Ion: 63 Resp: 179158

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 13.7 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.647 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

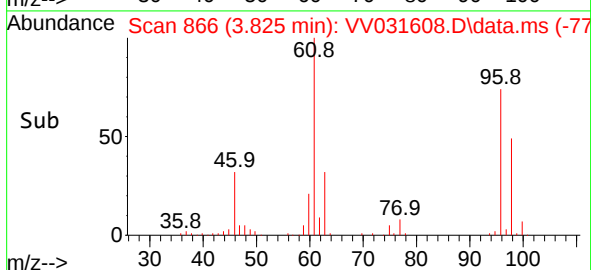
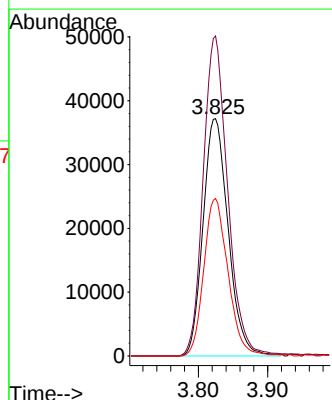
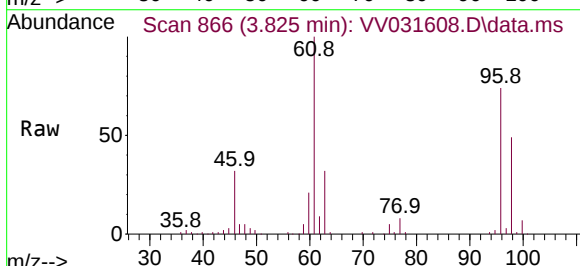
Tgt Ion: 96 Resp: 93858

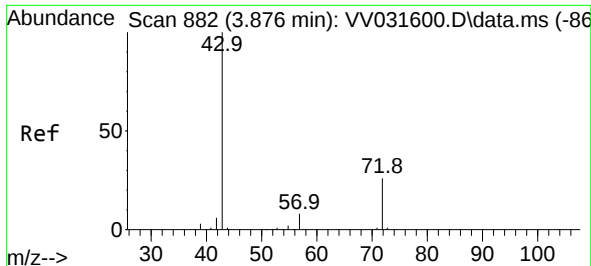
Ion Ratio Lower Upper

96 100

61 134.8 98.6 183.0

98 66.4 45.7 84.9

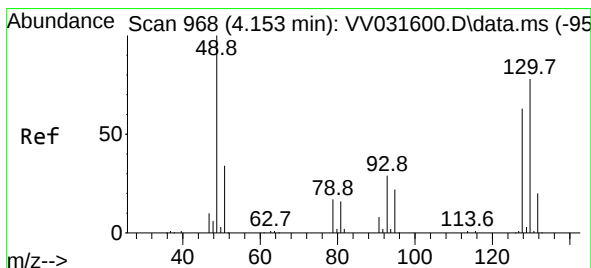
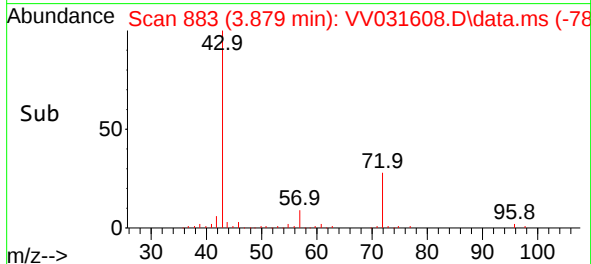
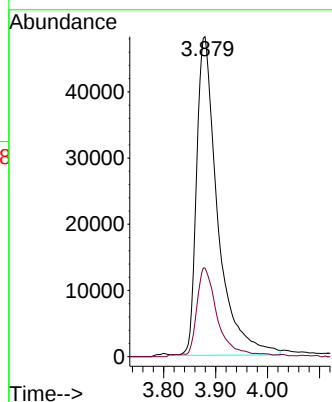
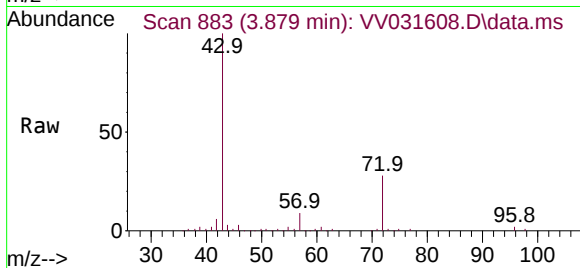




#22
2-Butanone
Concen: 84.677 ug/L
RT: 3.879 min Scan# 882
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

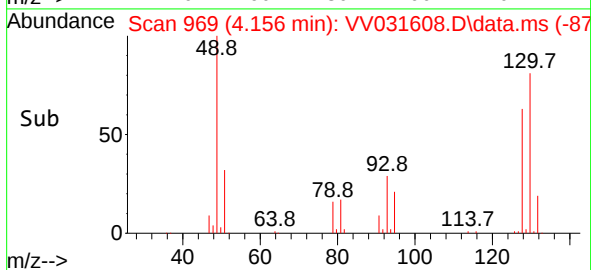
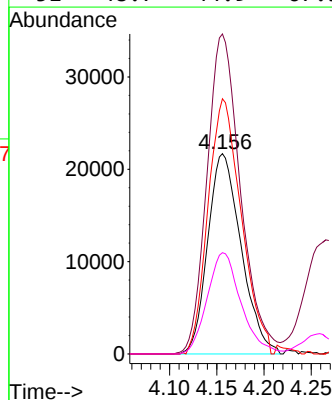
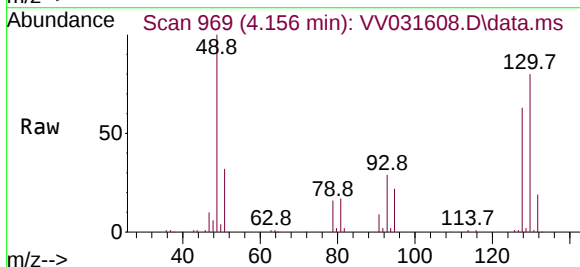
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

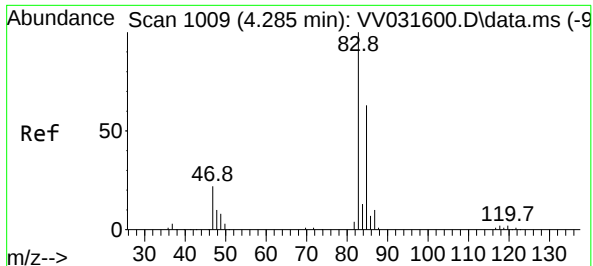
Tgt Ion: 43 Resp: 135600
Ion Ratio Lower Upper
43 100
72 25.5 12.2 36.4



#23
Bromochloromethane
Concen: 48.948 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 128 Resp: 53238
Ion Ratio Lower Upper
128 100
49 153.9 120.6 224.0
130 124.7 88.1 163.7
51 48.7 44.9 67.3





#25

Chloroform

Concen: 46.934 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

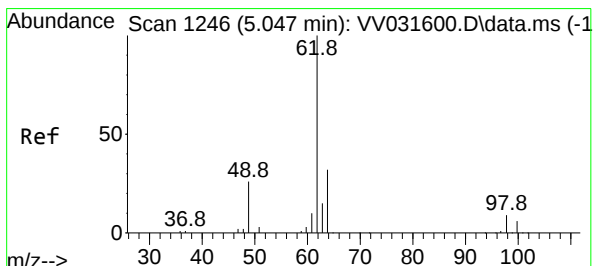
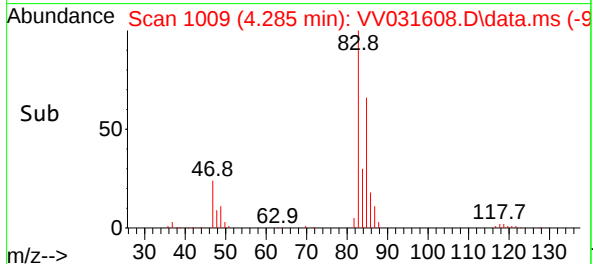
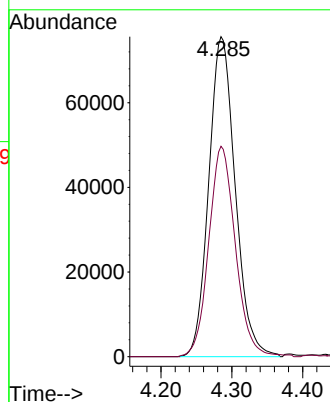
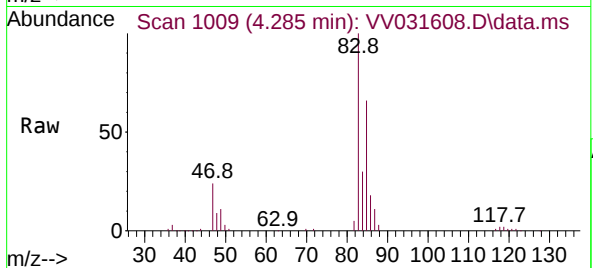
VSTD050379

Tgt Ion: 83 Resp: 196058

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 44.895 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031608.D

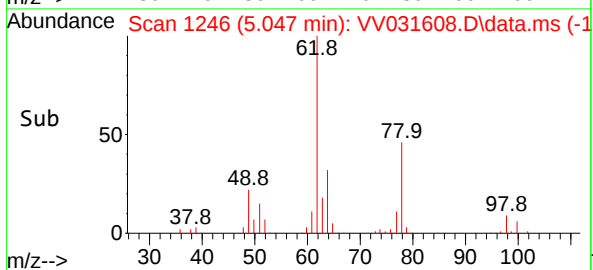
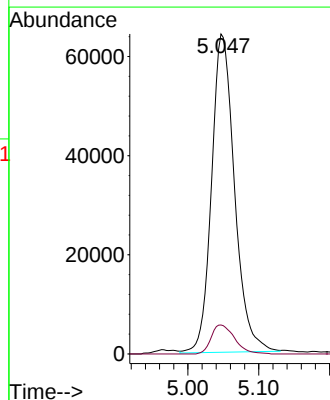
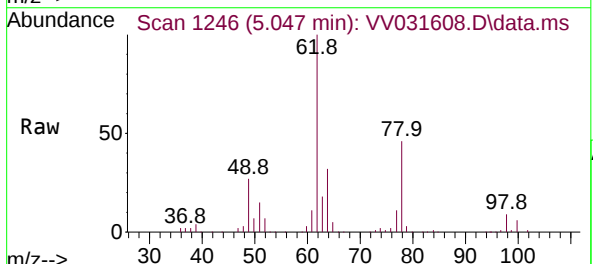
Acq: 21 Jun 2023 16:14

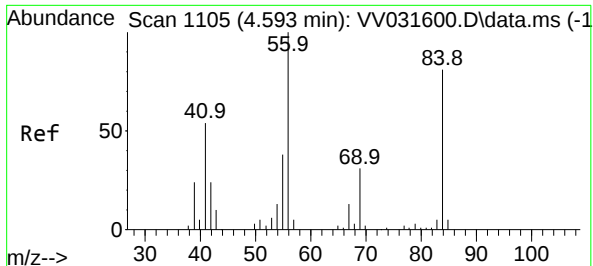
Tgt Ion: 62 Resp: 144741

Ion Ratio Lower Upper

62 100

98 9.7 6.6 9.8





#29

Cyclohexane

Concen: 42.282 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

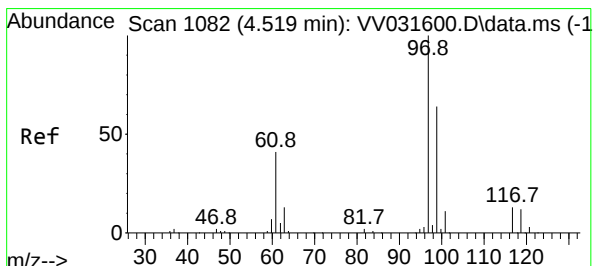
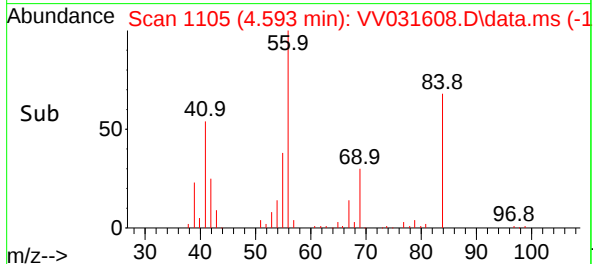
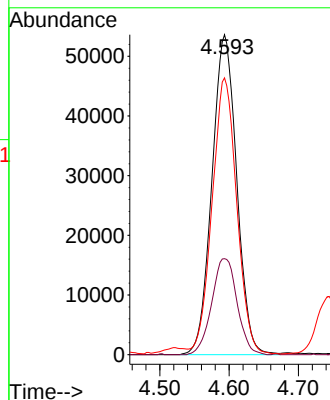
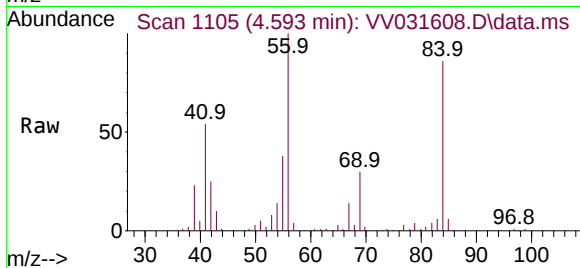
Tgt Ion: 56 Resp: 133304

Ion Ratio Lower Upper

56 100

69 30.8 24.3 36.5

84 85.6 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 45.500 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

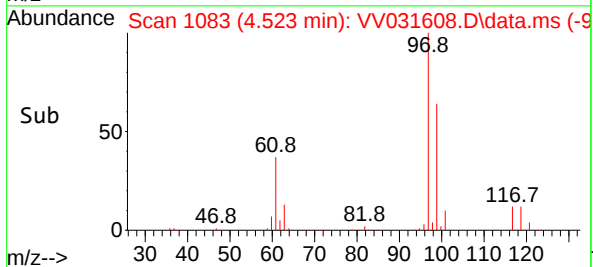
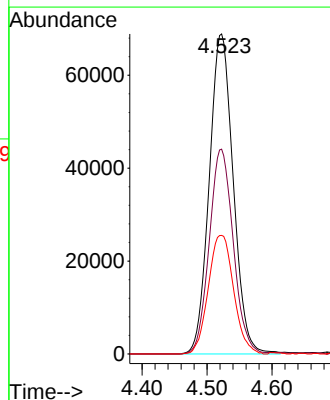
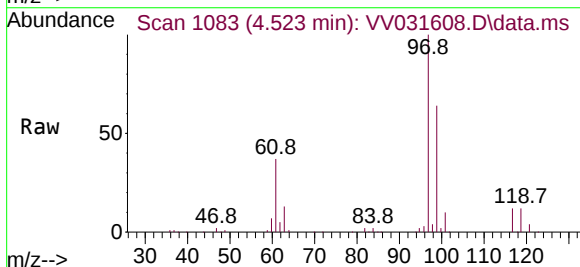
Tgt Ion: 97 Resp: 176778

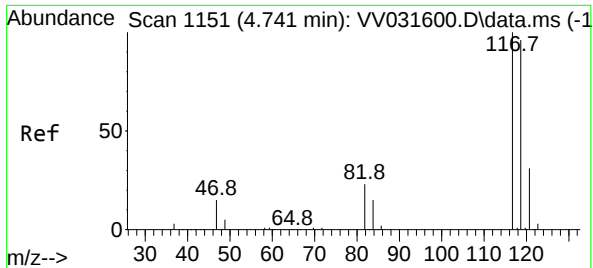
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 39.1 33.0 49.6

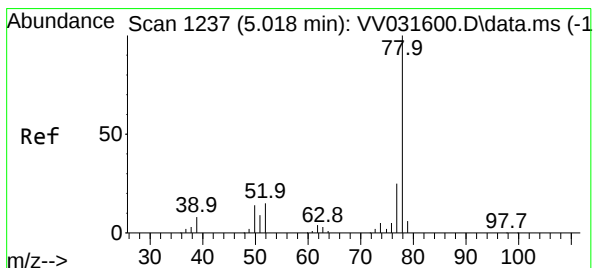
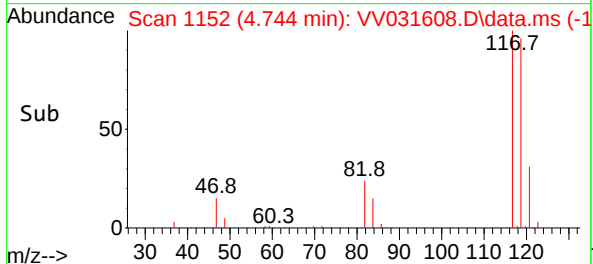
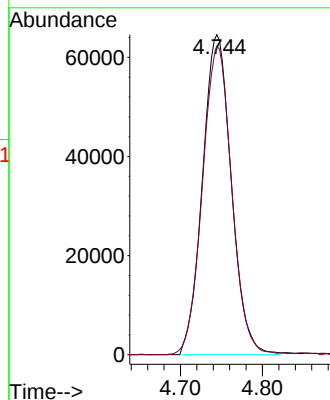
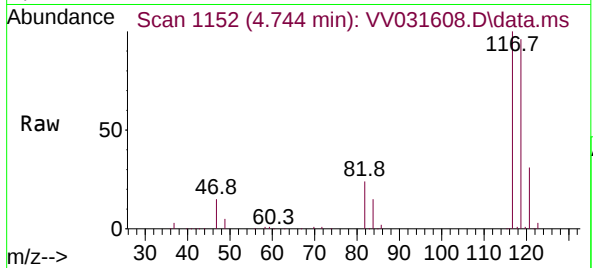




#31
Carbon tetrachloride
Concen: 45.767 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

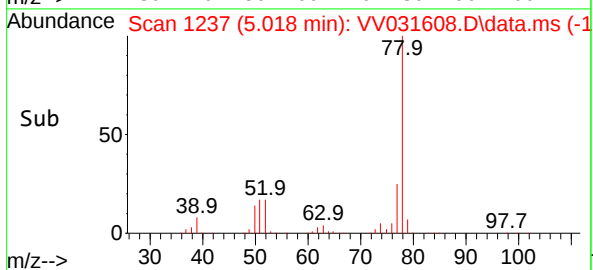
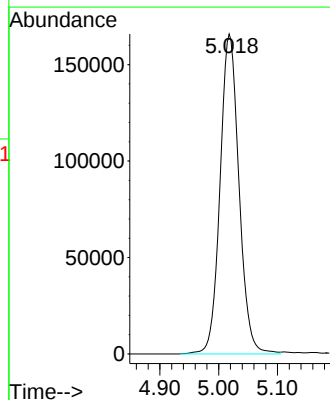
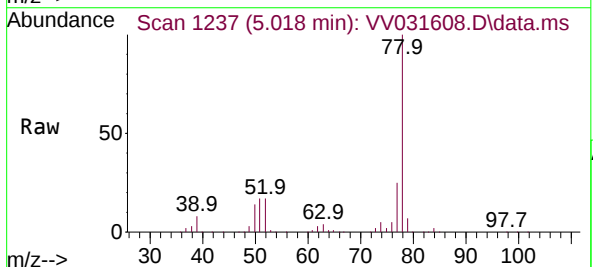
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

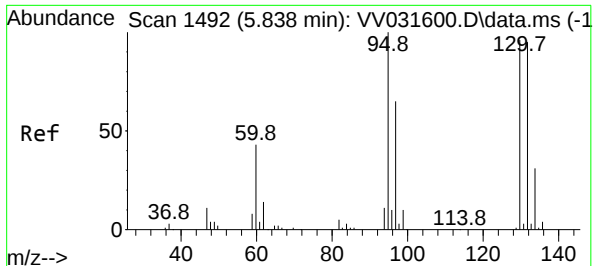
Tgt Ion:117 Resp: 157550
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#33
Benzene
Concen: 45.962 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 78 Resp: 370821



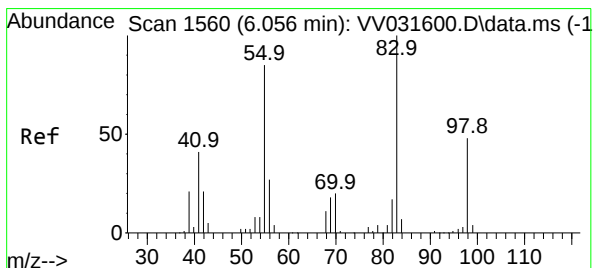
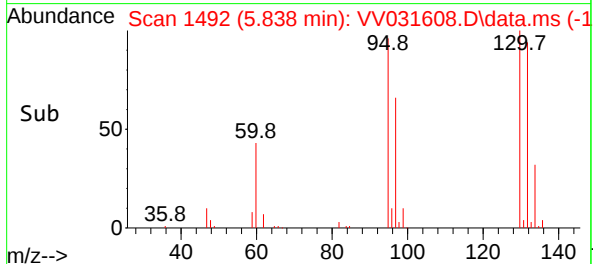
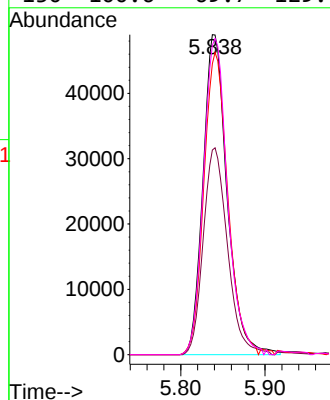
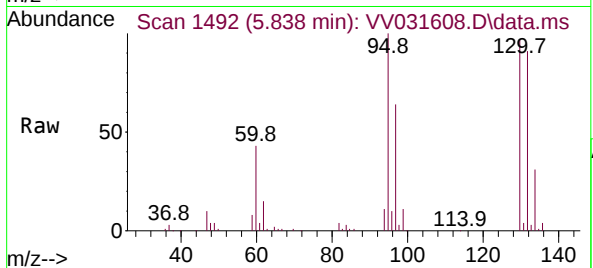


#34
Trichloroethene
Concen: 45.378 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion: 95 Resp: 97829

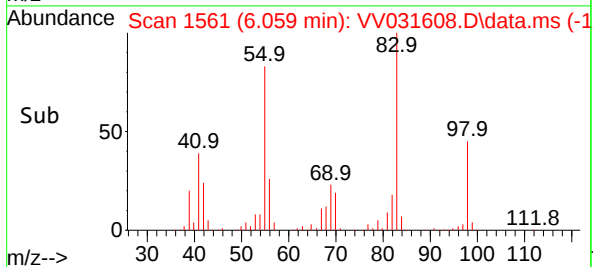
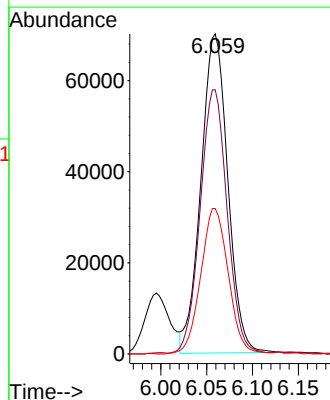
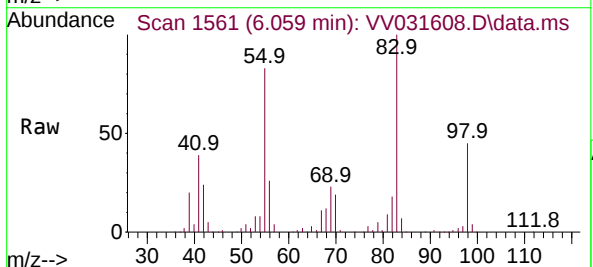
Ion	Ratio	Lower	Upper
95	100		
97	67.2	46.8	86.8
132	93.4	66.4	123.2
130	100.6	69.7	129.4

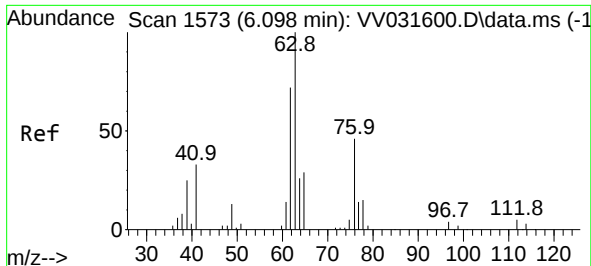


#35
Methylcyclohexane
Concen: 44.948 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 83 Resp: 142782

Ion	Ratio	Lower	Upper
83	100		
55	83.6	68.7	103.1
98	46.8	37.0	55.4





#37

1,2-Dichloropropane

Concen: 46.427 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

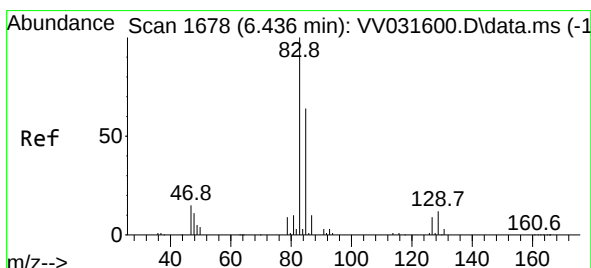
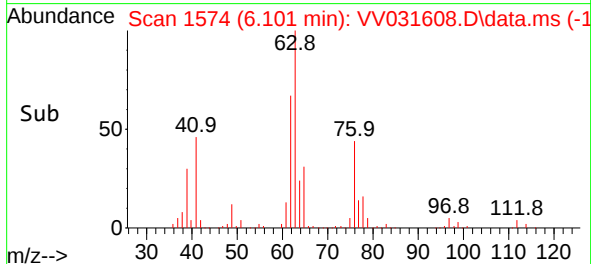
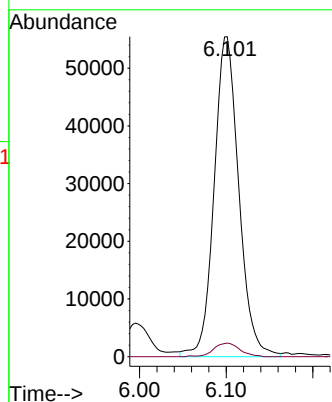
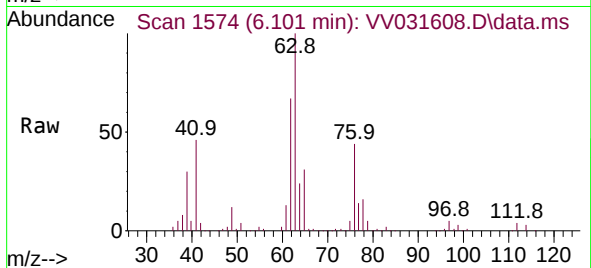
VSTD050379

Tgt Ion: 63 Resp: 109991

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 44.647 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

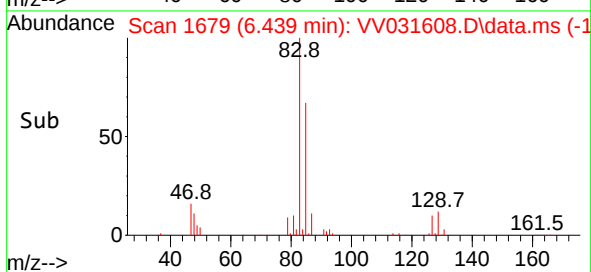
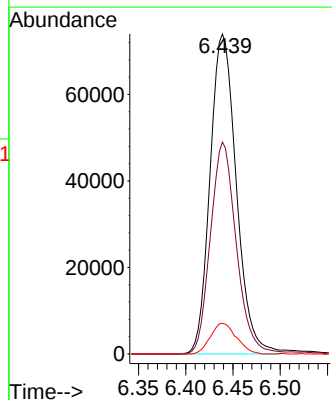
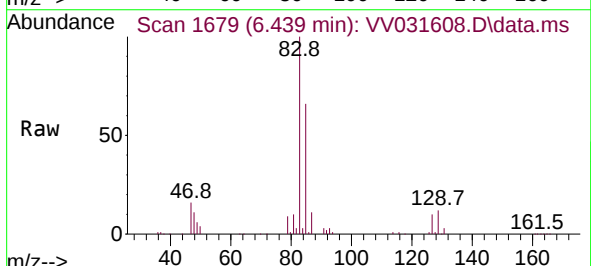
Tgt Ion: 83 Resp: 142971

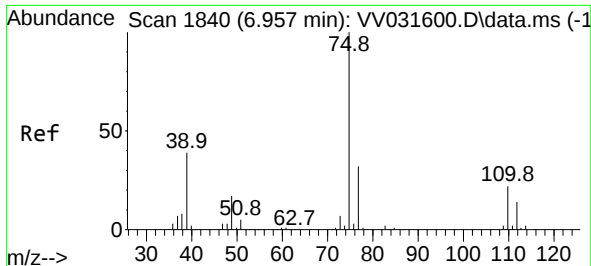
Ion Ratio Lower Upper

83 100

85 66.2 45.3 84.1

127 10.4 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 45.130 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

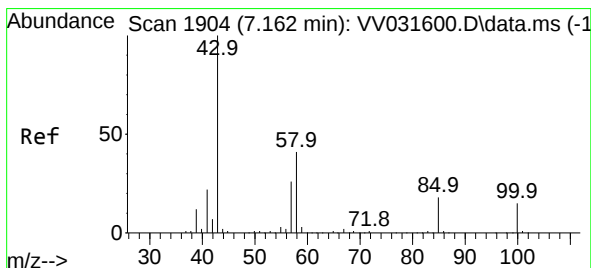
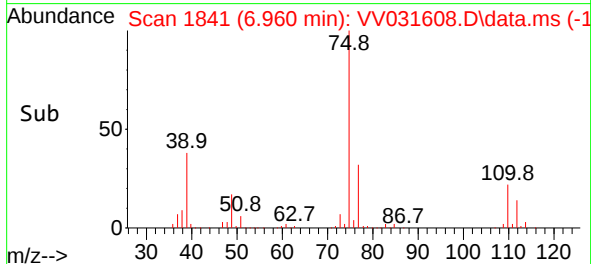
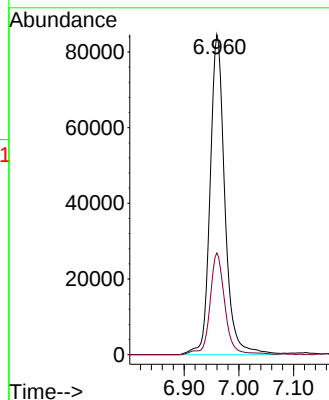
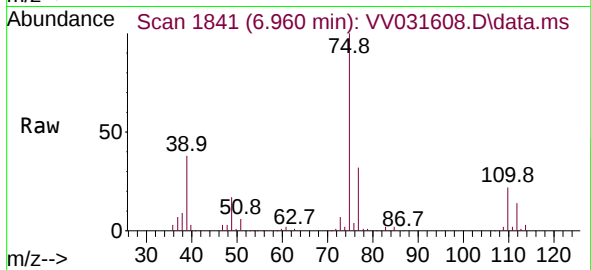
VSTD050379

Tgt Ion: 75 Resp: 158713

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 91.193 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

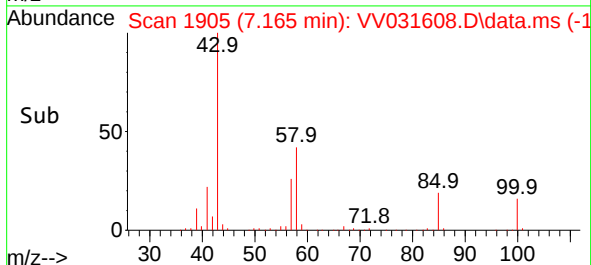
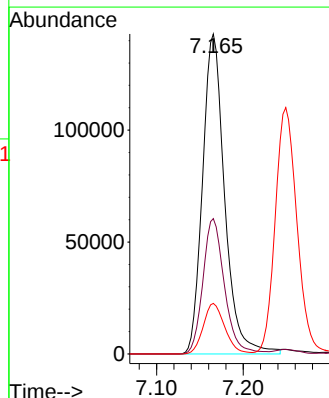
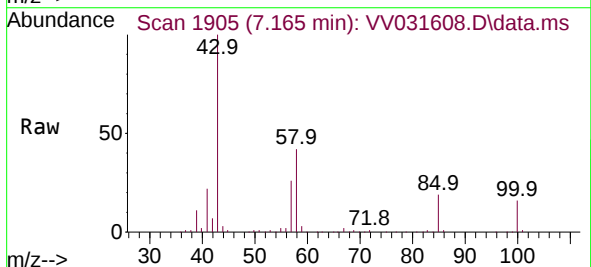
Tgt Ion: 43 Resp: 253684

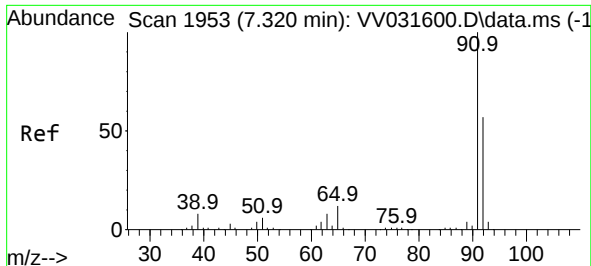
Ion Ratio Lower Upper

43 100

58 41.3 31.8 47.8

100 15.4 11.1 16.7





#42

Toluene

Concen: 48.400 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

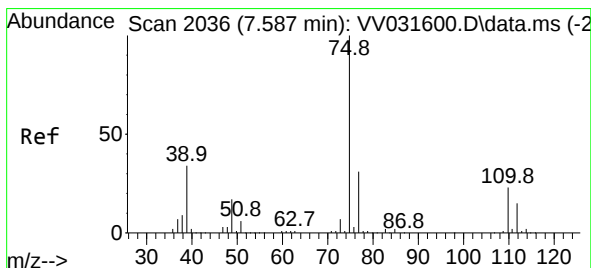
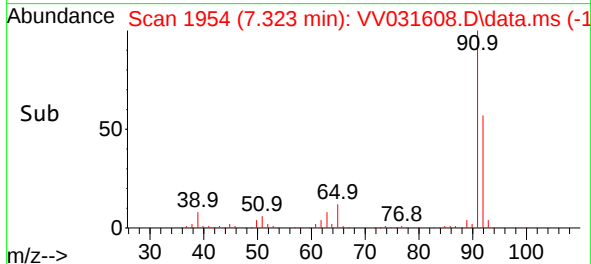
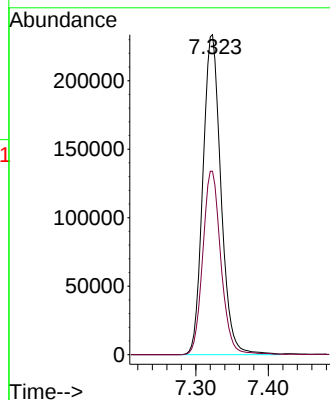
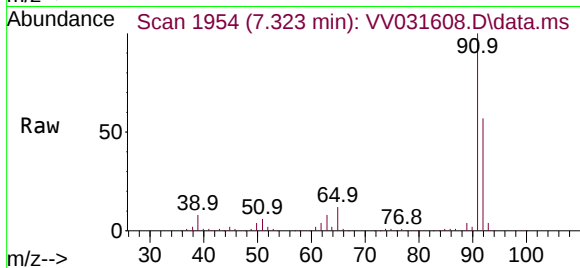
VSTD050379

Tgt Ion: 91 Resp: 404871

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 45.922 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031608.D

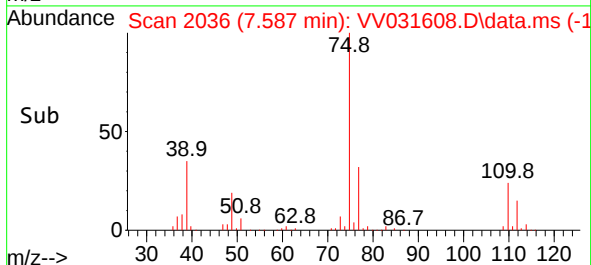
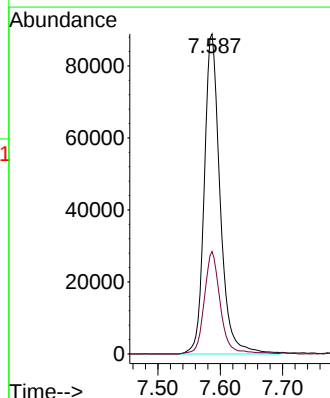
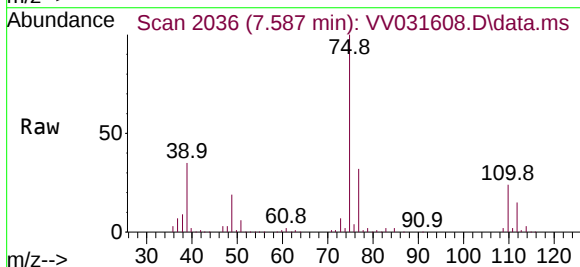
Acq: 21 Jun 2023 16:14

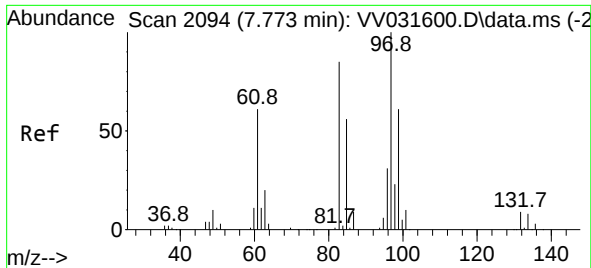
Tgt Ion: 75 Resp: 157271

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



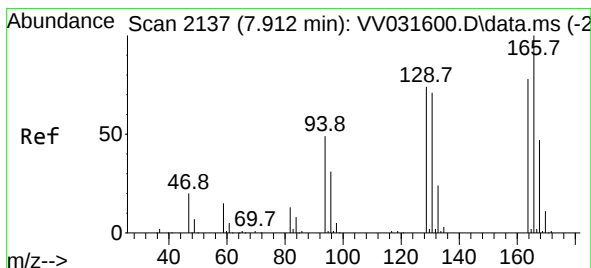
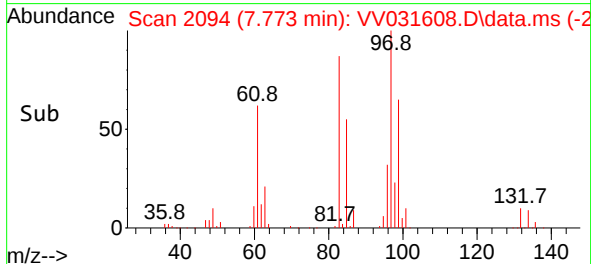
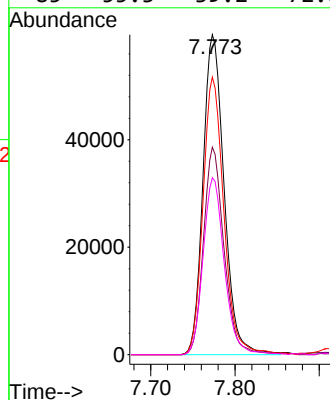
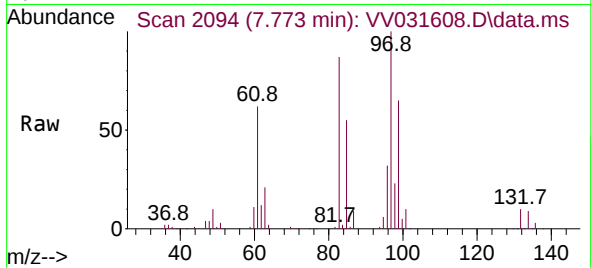


#45
1,1,2-Trichloroethane
Concen: 46.442 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion: 97 Resp: 103936

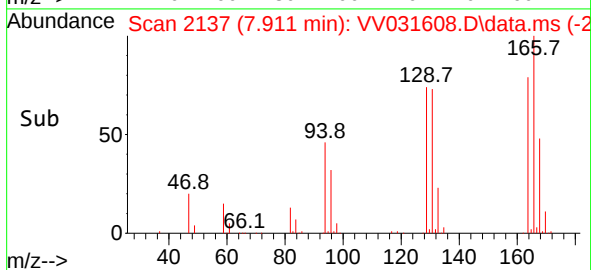
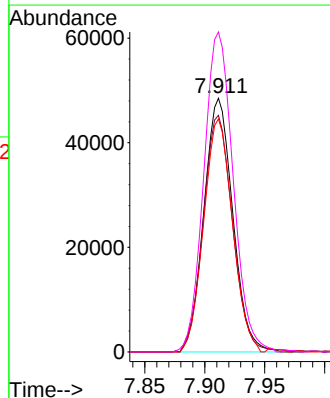
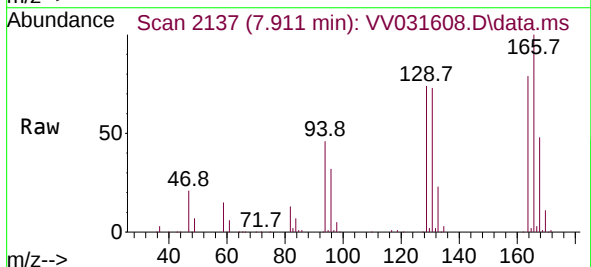
Ion	Ratio	Lower	Upper
97	100		
99	64.8	43.7	81.1
83	88.6	60.9	113.1
85	55.3	39.2	72.8

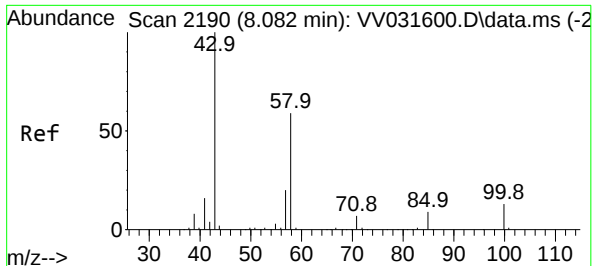


#46
Tetrachloroethene
Concen: 48.057 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 164 Resp: 81315

Ion	Ratio	Lower	Upper
164	100		
129	95.8	68.4	127.0
131	91.9	67.6	125.6
166	129.3	91.3	169.5



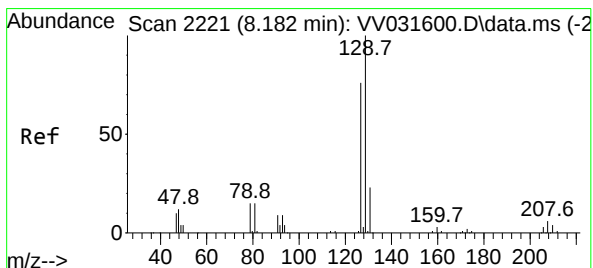
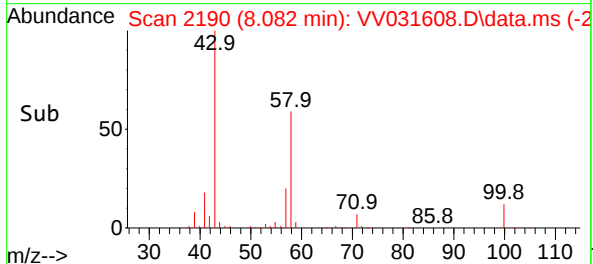
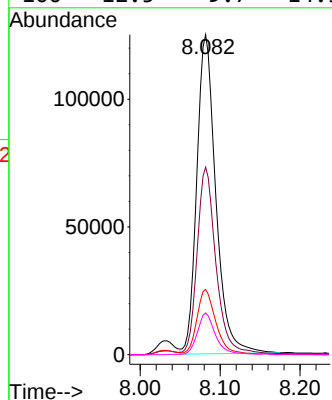
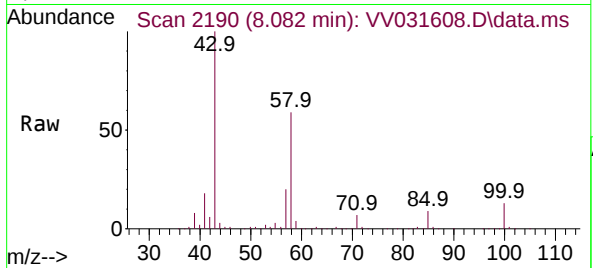


#48
2-Hexanone
Concen: 93.423 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion: 43 Resp: 207562

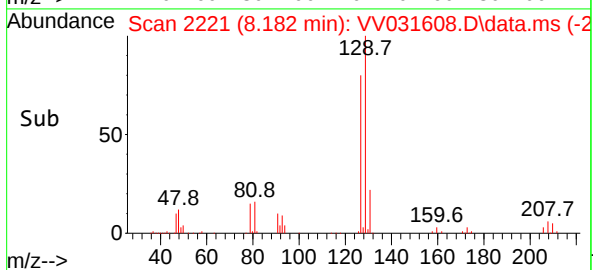
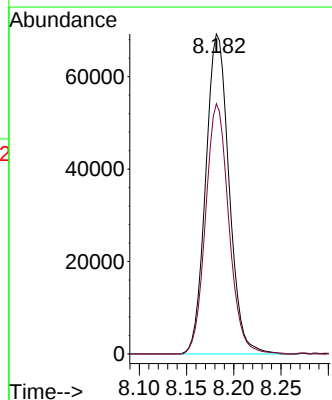
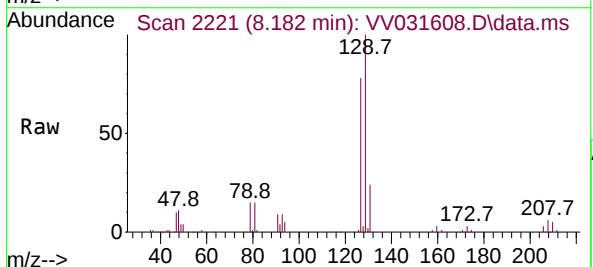
Ion	Ratio	Lower	Upper
43	100		
58	57.5	46.7	70.1
57	20.0	15.5	23.3
100	12.5	9.7	14.5

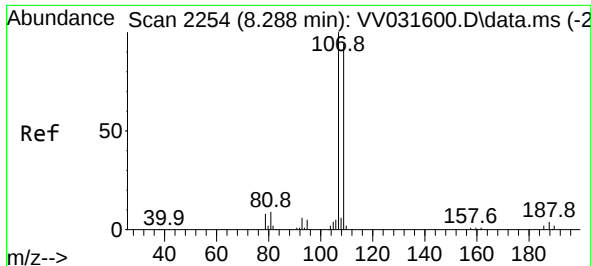


#49
Dibromochloromethane
Concen: 47.861 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 129 Resp: 119046

Ion	Ratio	Lower	Upper
129	100		
127	81.1	55.8	103.6

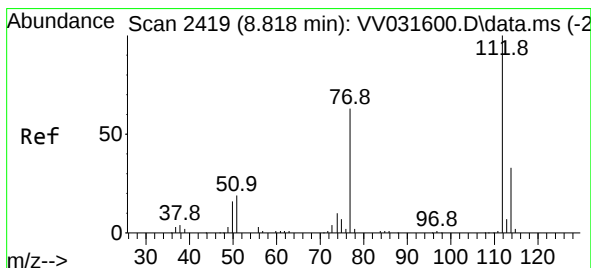
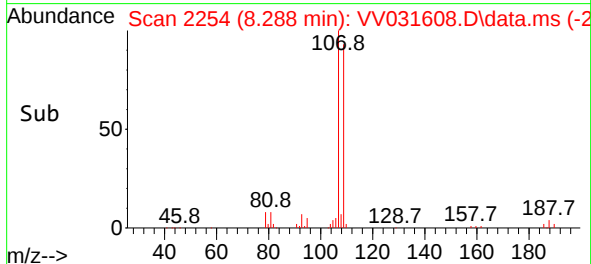
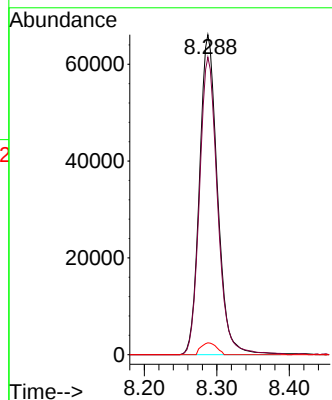
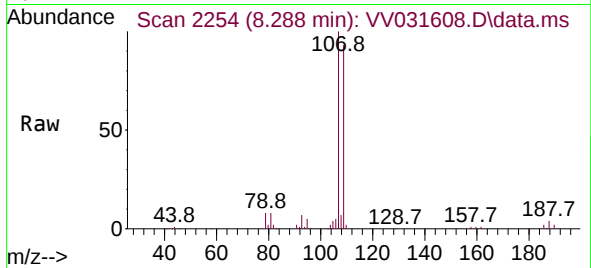




#50
1,2-Dibromoethane
Concen: 47.861 ug/L
RT: 8.288 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

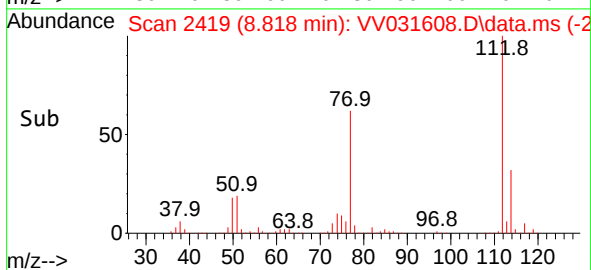
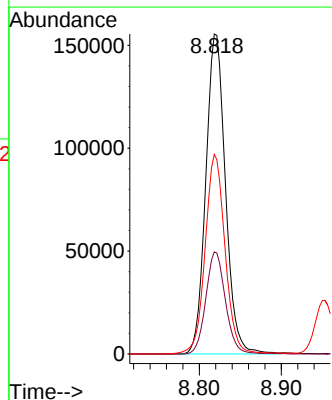
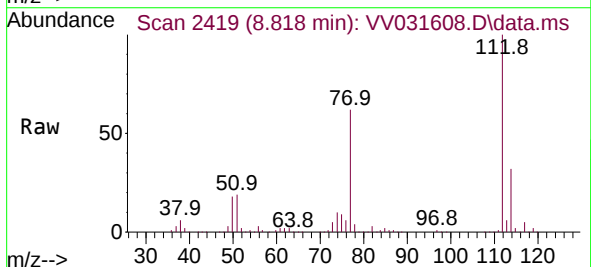
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

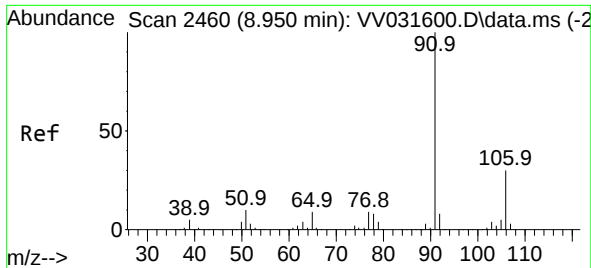
Tgt Ion:107 Resp: 114052
Ion Ratio Lower Upper
107 100
109 93.0 65.7 122.1
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 46.742 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion:112 Resp: 258961
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 62.4 52.5 78.7

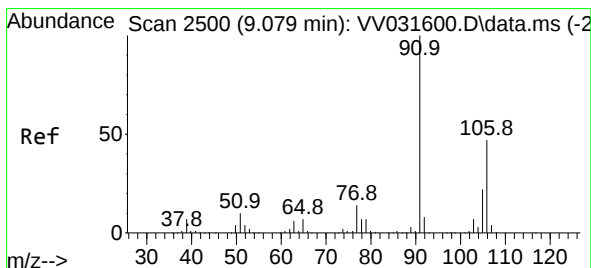
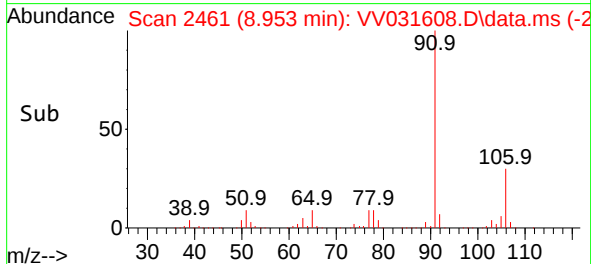
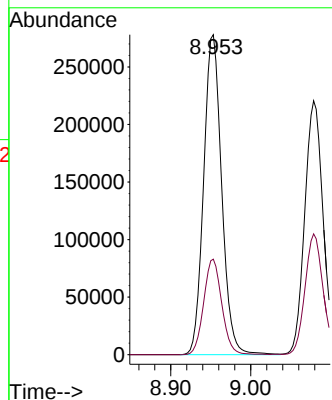
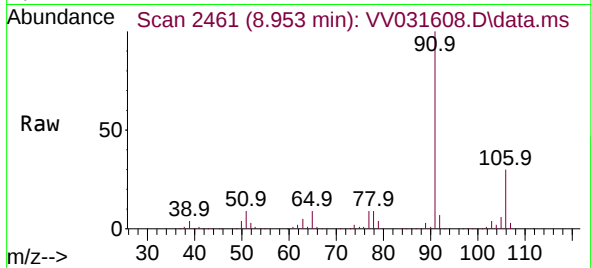




#52
Ethylbenzene
Concen: 46.805 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

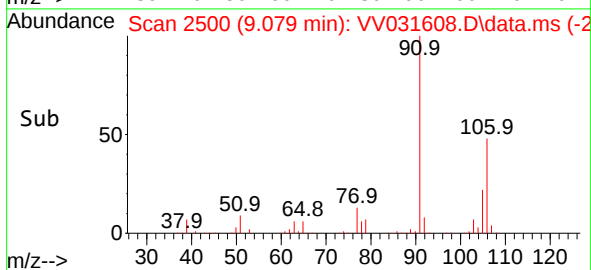
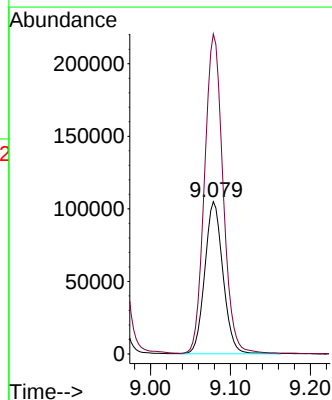
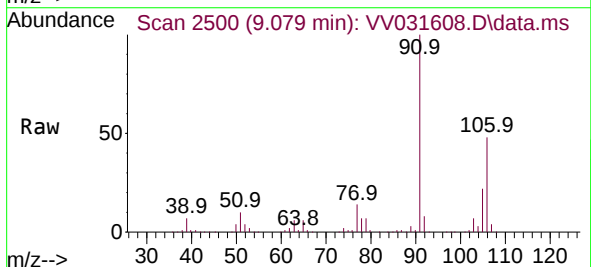
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

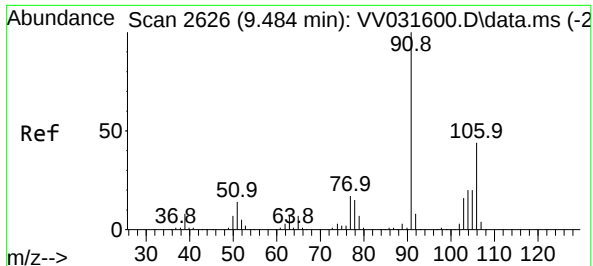
Tgt Ion: 91 Resp: 436882
Ion Ratio Lower Upper
91 100
106 29.9 20.8 38.6



#53
m,p-Xylene
Concen: 48.535 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 106 Resp: 165906
Ion Ratio Lower Upper
106 100
91 210.1 149.0 276.6

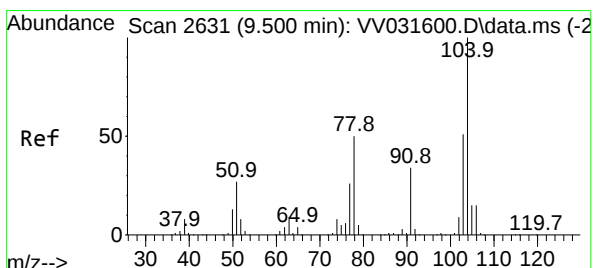
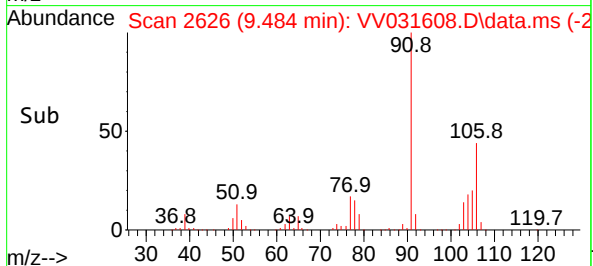
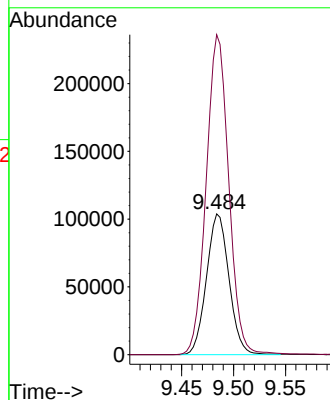
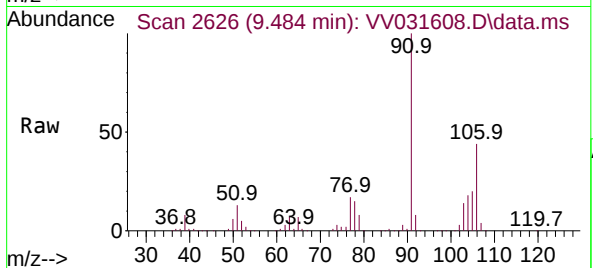




#54
o-Xylene
Concen: 48.251 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

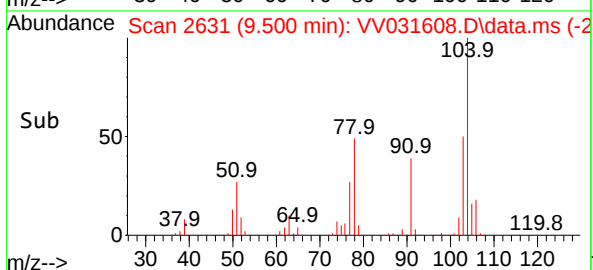
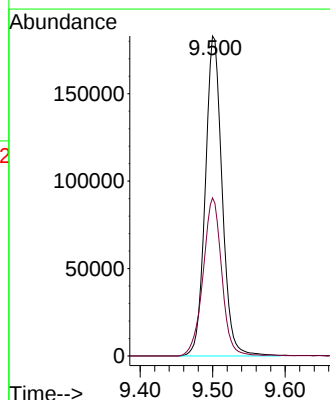
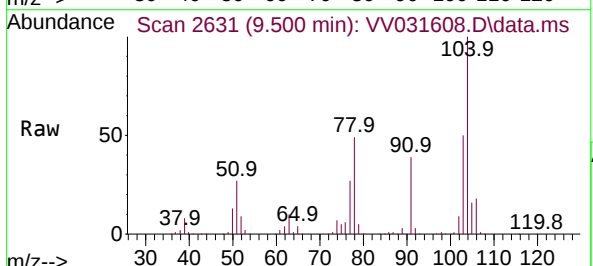
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

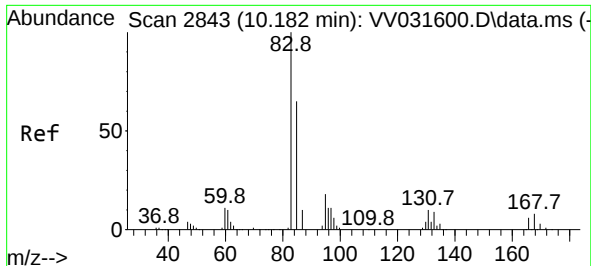
Tgt Ion:106 Resp: 156519
Ion Ratio Lower Upper
106 100
91 227.4 161.3 299.7



#55
Styrene
Concen: 51.006 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion:104 Resp: 295492
Ion Ratio Lower Upper
104 100
78 49.4 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 46.250 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

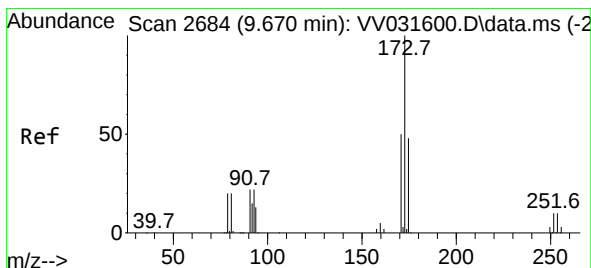
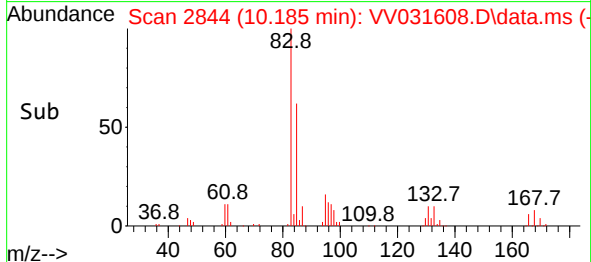
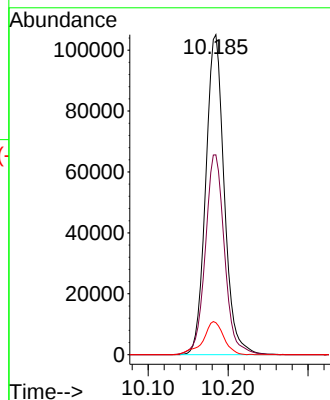
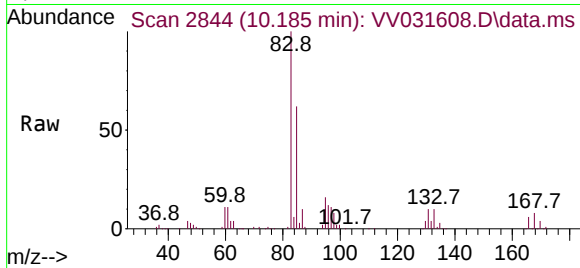
Tgt Ion: 83 Resp: 169124

Ion Ratio Lower Upper

83 100

85 62.5 43.1 80.1

131 14.0 10.6 16.0



#59

Bromoform

Concen: 50.305 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

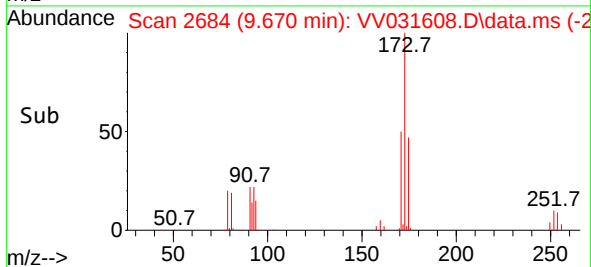
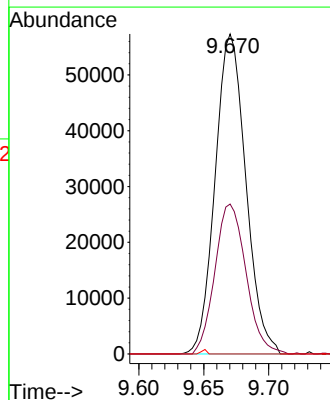
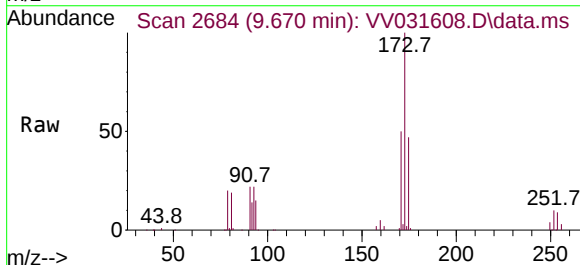
Tgt Ion: 173 Resp: 94132

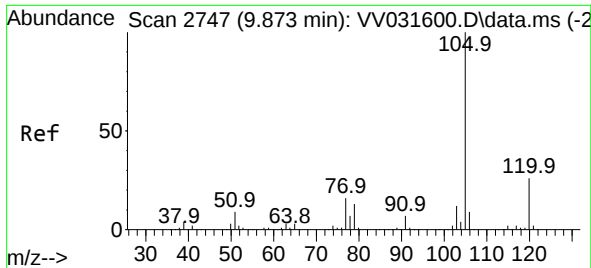
Ion Ratio Lower Upper

173 100

175 47.4 37.7 56.5

254 0.2 0.1 0.1#

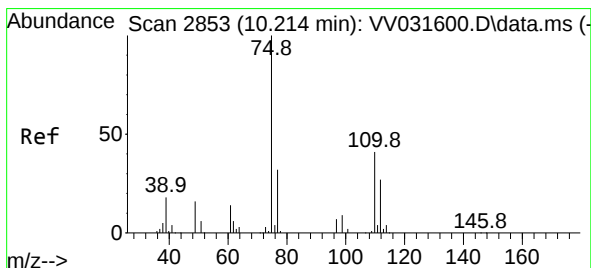
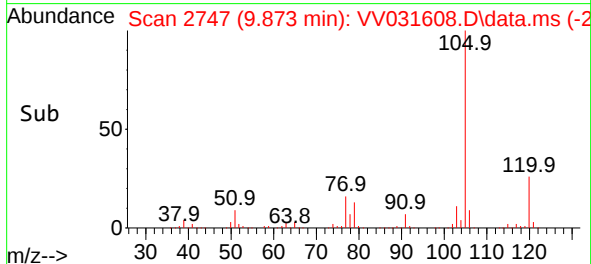
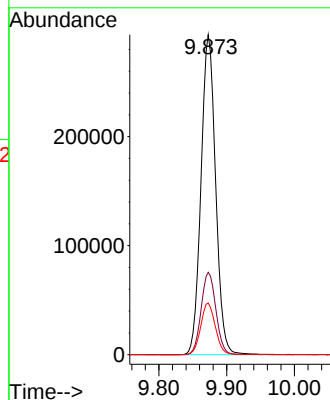
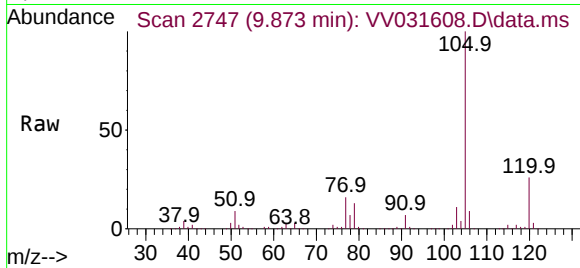




#60
Isopropylbenzene
Concen: 45.602 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

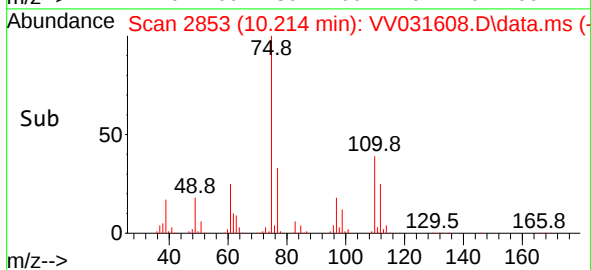
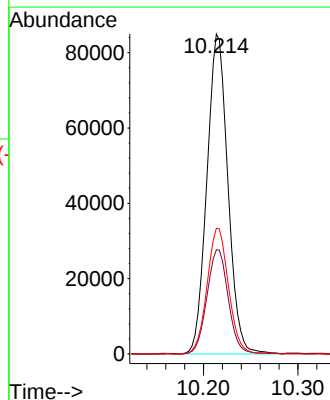
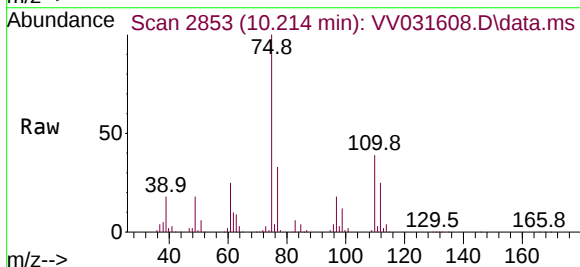
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

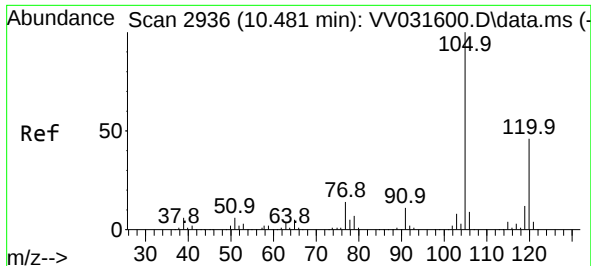
Tgt Ion:105 Resp: 438874
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.2
77 16.2 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 43.992 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion: 75 Resp: 131170
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.0
110 40.0 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 45.401 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

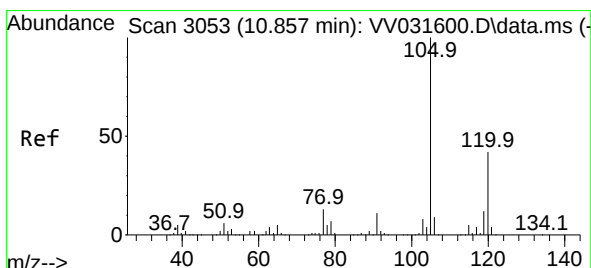
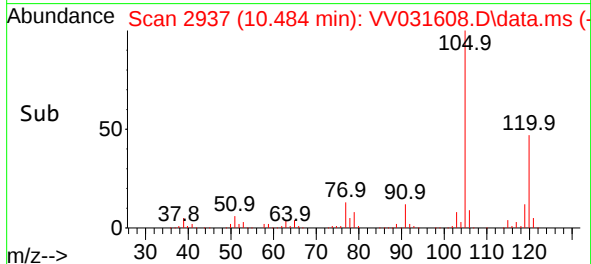
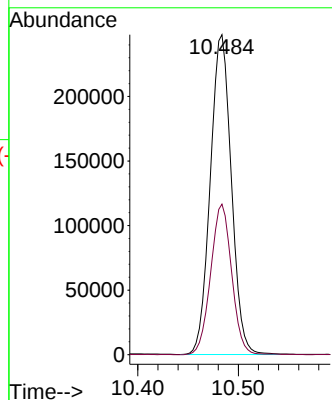
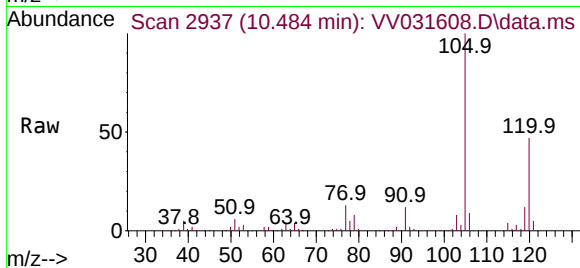
VSTD050379

Tgt Ion:105 Resp: 361126

Ion Ratio Lower Upper

105 100

120 46.7 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 45.667 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031608.D

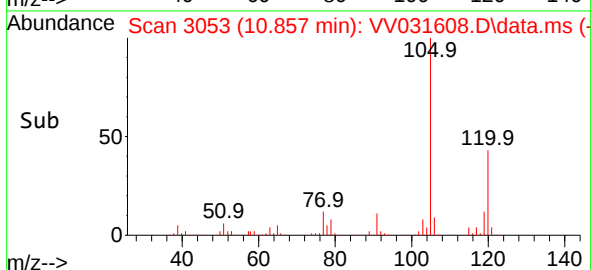
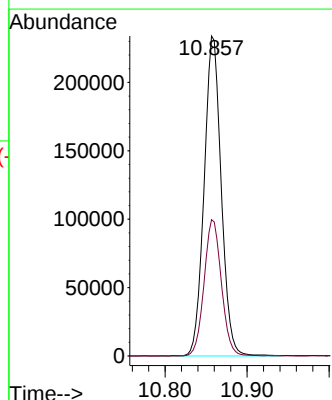
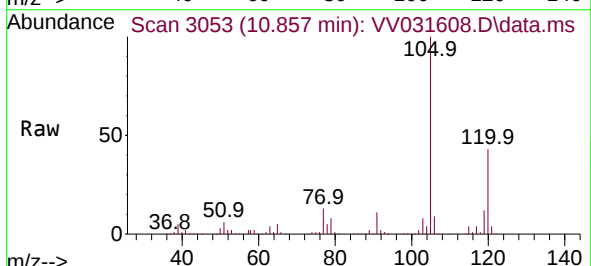
Acq: 21 Jun 2023 16:14

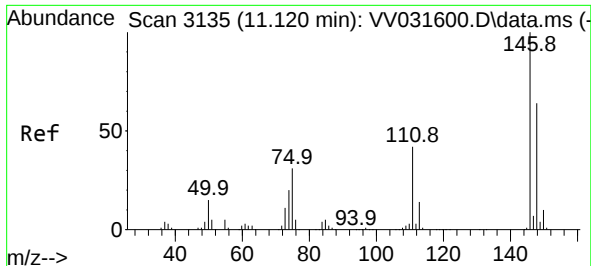
Tgt Ion:105 Resp: 338454

Ion Ratio Lower Upper

105 100

120 43.1 33.4 50.2

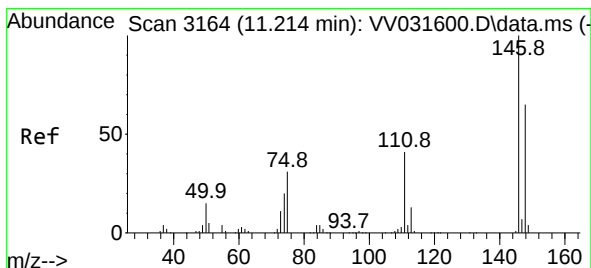
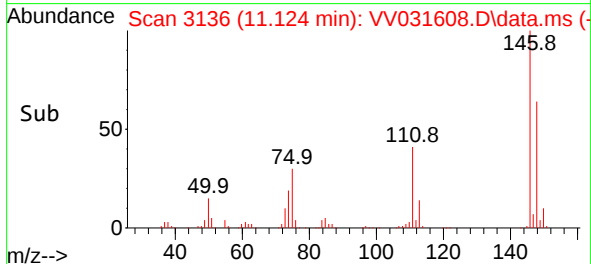
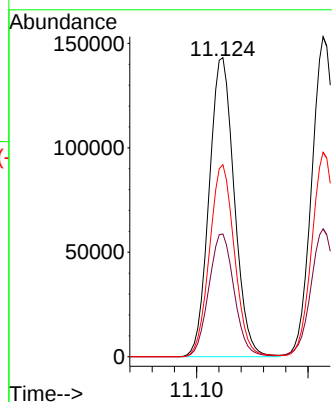
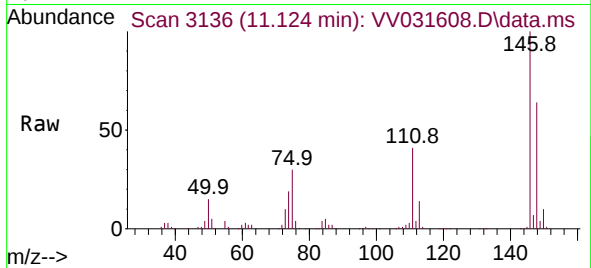




#64
1,3-Dichlorobenzene
Concen: 46.525 ug/L
RT: 11.124 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

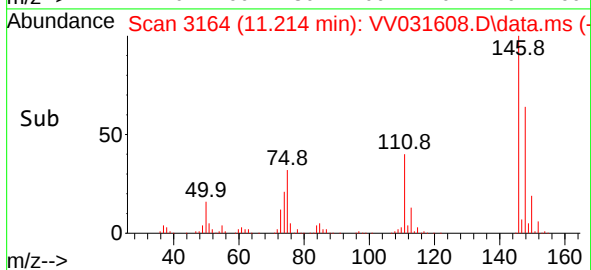
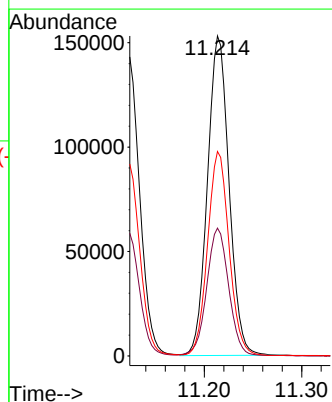
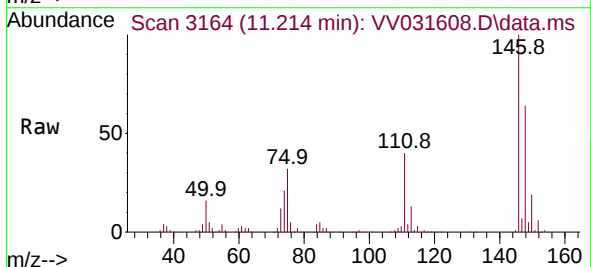
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

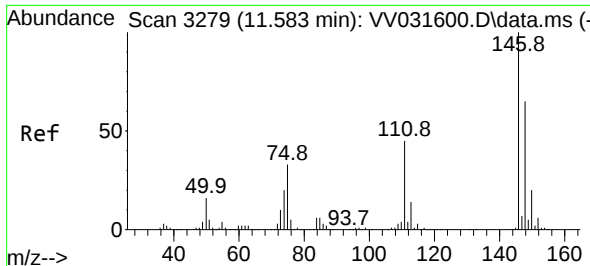
Tgt Ion:146 Resp: 224486
Ion Ratio Lower Upper
146 100
111 41.0 30.4 56.5
148 64.2 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 45.787 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion:146 Resp: 235418
Ion Ratio Lower Upper
146 100
111 40.0 27.9 51.7
148 63.9 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 46.877 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050379

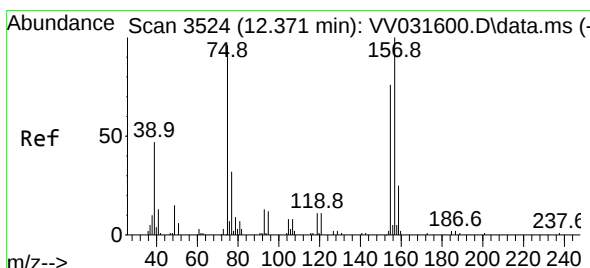
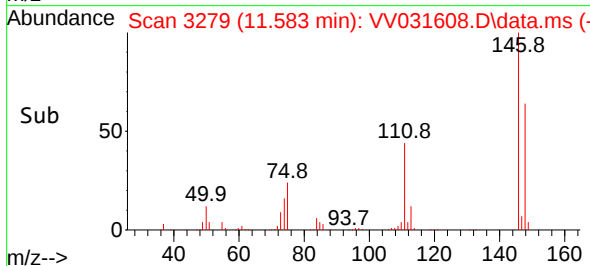
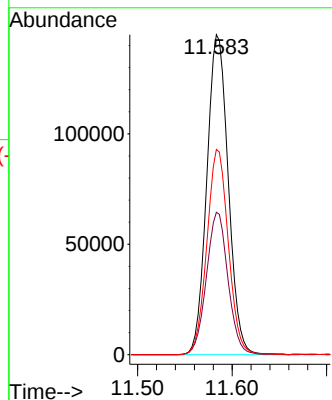
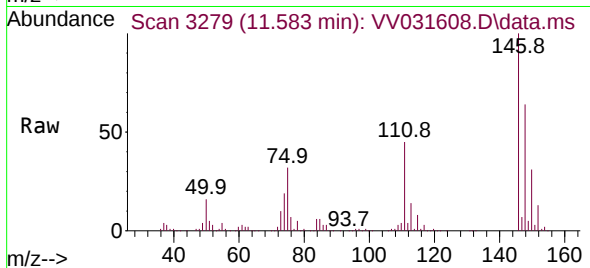
Tgt Ion:146 Resp: 228287

Ion Ratio Lower Upper

146 100

111 44.5 35.9 53.9

148 64.2 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.196 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031608.D

Acq: 21 Jun 2023 16:14

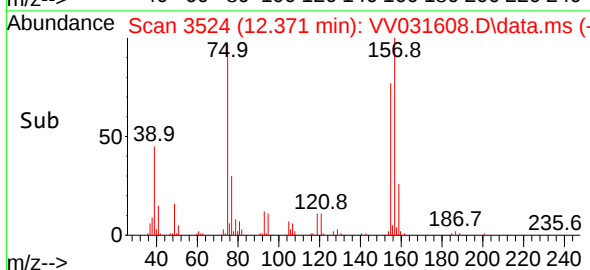
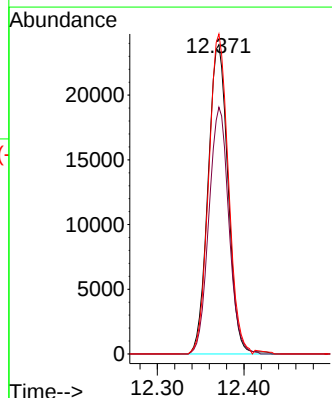
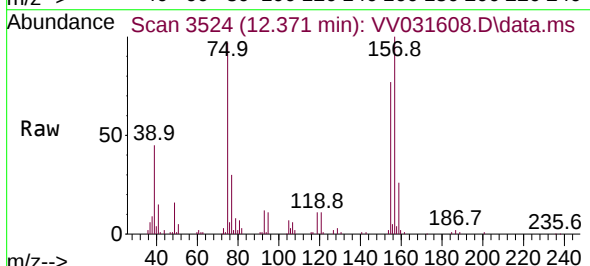
Tgt Ion: 75 Resp: 38227

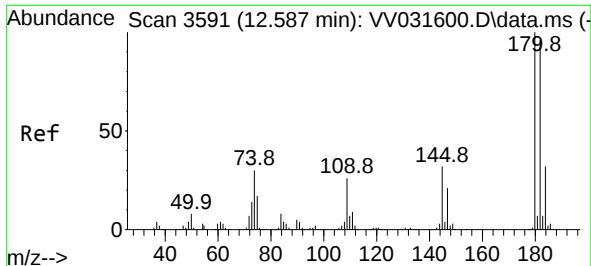
Ion Ratio Lower Upper

75 100

155 85.1 63.2 94.8

157 107.6 85.3 127.9

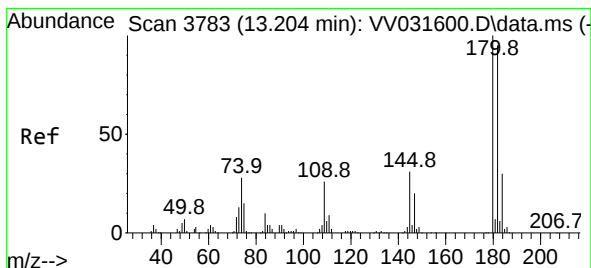
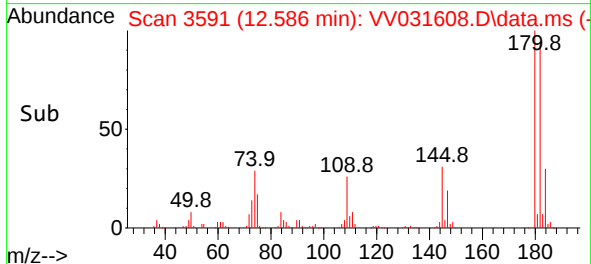
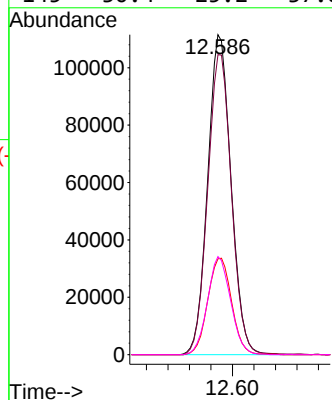
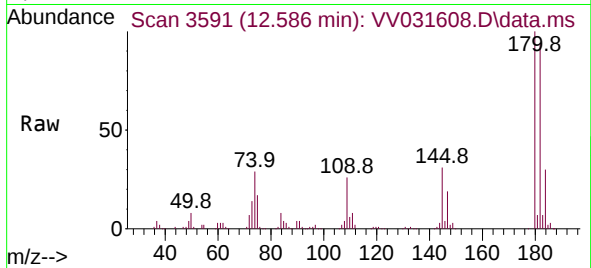




#69
1,3,5-Trichlorobenzene
Concen: 45.656 ug/L
RT: 12.586 min Scan# 3591
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

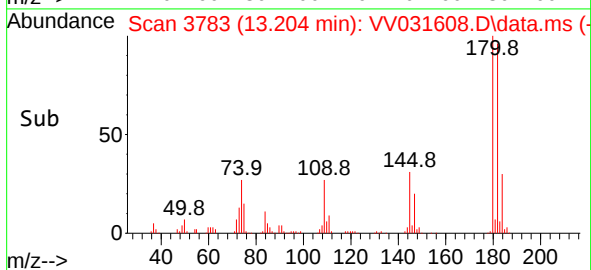
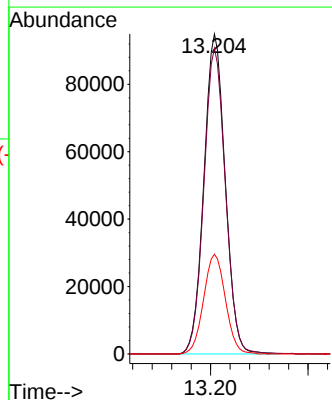
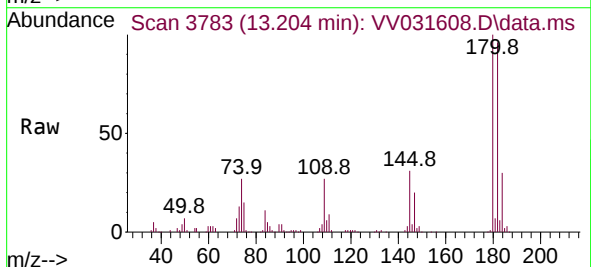
Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

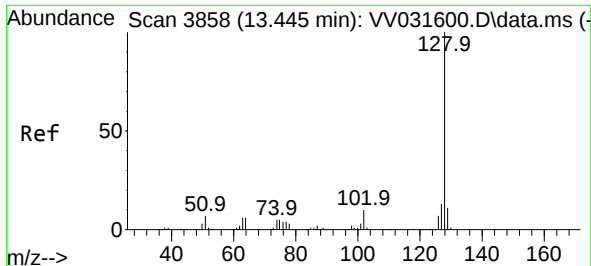
Tgt Ion:	180	Resp:	167855
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.6	115.0
184	30.9	24.7	37.1
145	30.4	25.2	37.8



#70
1,2,4-trichlorobenzene
Concen: 44.691 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion:	180	Resp:	144023
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.7	116.5
145	31.9	26.1	39.1

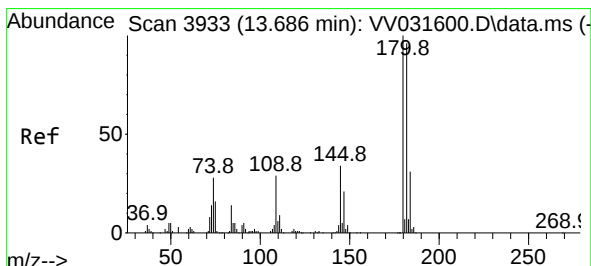
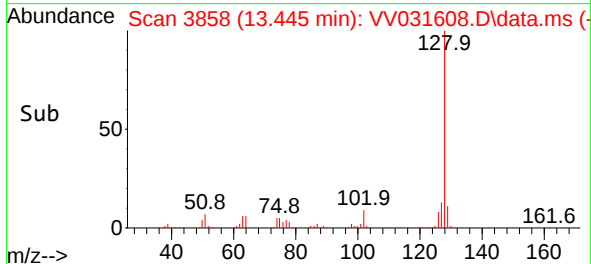
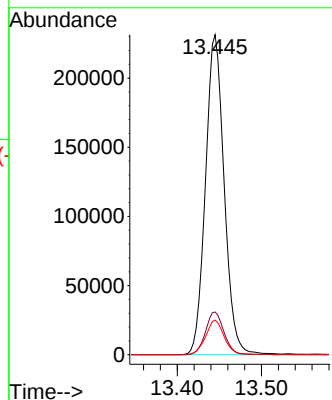
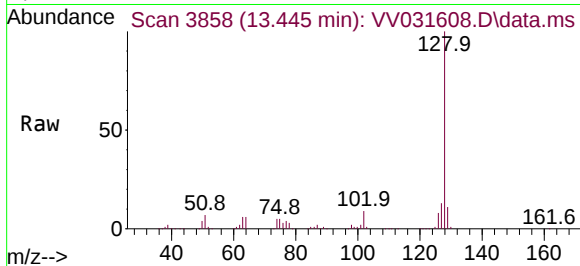




#71
Naphthalene
Concen: 43.802 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050379

Tgt Ion:128 Resp: 357547
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 45.130 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031608.D
Acq: 21 Jun 2023 16:14

Tgt Ion:180 Resp: 151133
Ion Ratio Lower Upper
180 100
182 96.7 74.0 111.0
145 33.4 26.2 39.2

