

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031690.D
 Acq On : 12 Jul 2023 13:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

Quant Time: Jul 13 04:59:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	256848	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	276276	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	161794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	93282	40.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.260%
7) Chloroethane-d5	1.529	69	87362	51.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.860%
11) 1,1-Dichloroethene-d2	2.060	65	47321	45.694	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.380%
21) 2-Butanone-d5	3.918	46	223	0.150	ug/L	0.12
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.150%#
24) Chloroform-d	4.256	84	239484	51.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.240%
26) 1,2-Dichloroethane-d4	4.947	65	151570	51.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.920%
32) Benzene-d6	4.966	84	402100	48.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.080%
36) 1,2-Dichloropropane-d6	5.995	67	145396	54.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.580%
41) Toluene-d8	7.249	98	375331	50.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.555	79	66176	49.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.960%
47) 2-Hexanone-d5	8.030	63	69064	67.277	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.280%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	224929	55.449	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.900%
66) 1,2-Dichlorobenzene-d4	11.567	152	139445	46.989	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	146434	45.863	ug/L	100
3) Chloromethane	1.220	50	152813	46.260	ug/L	100
5) Vinyl chloride	1.282	62	134144	43.362	ug/L	98
6) Bromomethane	1.484	94	100007	56.580	ug/L	98
8) Chloroethane	1.548	64	88884	52.108	ug/L	99
9) Trichlorofluoromethane	1.712	101	221180	49.896	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	125820	49.308	ug/L	98
12) 1,1-Dichloroethene	2.069	96	110162	49.675	ug/L	97
13) Acetone	2.114	43	122900	95.731	ug/L	99
14) Carbon disulfide	2.243	76	349695	47.892	ug/L	98
15) Methyl Acetate	2.375	43	165450	61.143	ug/L	96
16) Methylene chloride	2.449	84	145672	55.567	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	113043	49.904	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	394103	57.169	ug/L	99
19) 1,1-Dichloroethane	3.114	63	251543	54.318	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	121145	52.134	ug/L	95
22) 2-Butanone	3.870	43	242803	136.503	ug/L	95
23) Bromochloromethane	4.153	128	75027	59.383	ug/L	99
25) Chloroform	4.281	83	267014	56.215	ug/L	99

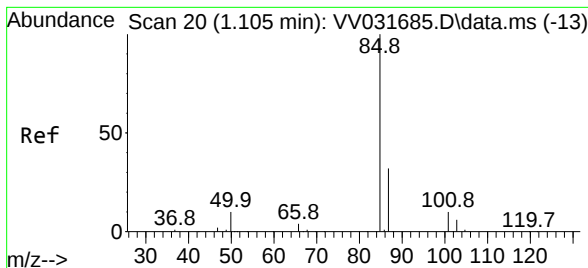
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	212751	60.290	ug/L	99
29) Cyclohexane	4.590	56	168937	46.641	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	218797	50.683	ug/L	99
31) Carbon tetrachloride	4.741	117	189182	49.445	ug/L	99
33) Benzene	5.014	78	507325	53.845	ug/L	100
34) Trichloroethene	5.838	95	126898	47.868	ug/L	98
35) Methylcyclohexane	6.056	83	166858	46.243	ug/L	97
37) 1,2-Dichloropropane	6.098	63	150099	56.988	ug/L	100
38) Bromodichloromethane	6.439	83	200435	56.138	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	210557	52.845	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	438058	133.719	ug/L	97
42) Toluene	7.320	91	534465	54.929	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	215130	54.124	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	151684	58.168	ug/L	97
46) Tetrachloroethene	7.911	164	94019	46.648	ug/L	97
48) 2-Hexanone	8.082	43	355010	128.941	ug/L	98
49) Dibromochloromethane	8.182	129	163633	56.502	ug/L	98
50) 1,2-Dibromoethane	8.288	107	162428	56.527	ug/L	100
51) Chlorobenzene	8.818	112	325448	50.460	ug/L	99
52) Ethylbenzene	8.953	91	531963	50.248	ug/L	98
53) m,p-Xylene	9.079	106	202361	51.847	ug/L	94
54) o-Xylene	9.487	106	188205	52.065	ug/L	98
55) Styrene	9.500	104	378404	56.863	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	245525	60.646	ug/L #	96
59) Bromoform	9.670	173	123163	59.571	ug/L #	99
60) Isopropylbenzene	9.873	105	505290	51.144	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	199689	59.341	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	405729	50.260	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	419926	52.225	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	265558	51.750	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	280378	50.377	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	269582	51.222	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	59580	58.027	ug/L	99
69) 1,3,5-Trichlorobenzene	12.590	180	179261	46.631	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	155963	45.785	ug/L	99
71) Naphthalene	13.445	128	528308	53.598	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	181196	50.734	ug/L	99

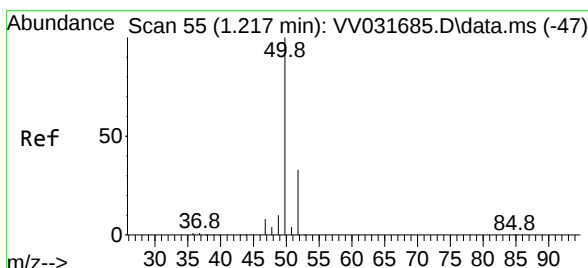
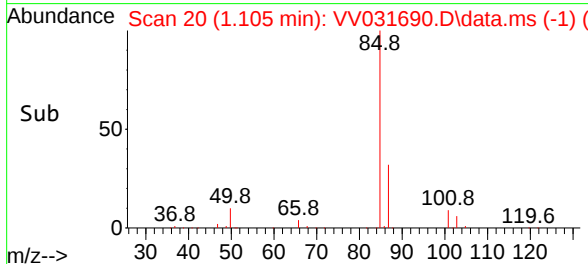
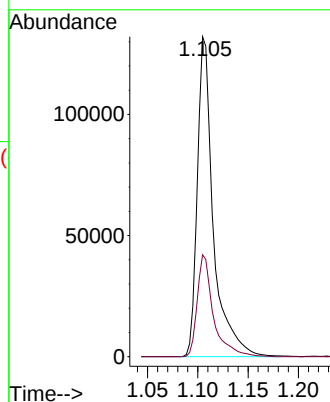
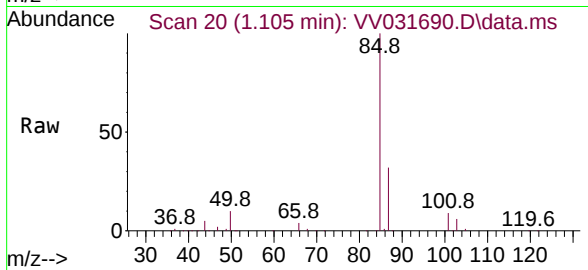
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#2
 Dichlorodifluoromethane
 Concen: 45.863 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031690.D
 Acq: 12 Jul 2023 13:00

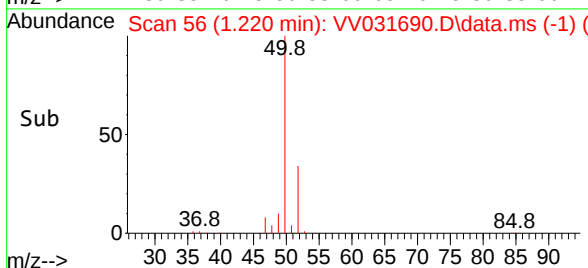
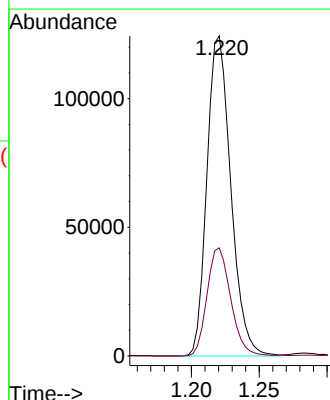
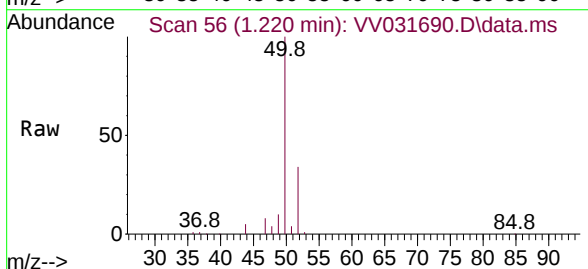
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

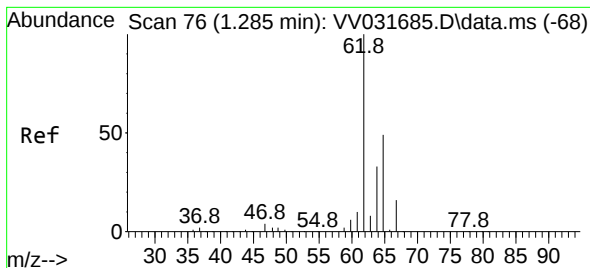
Tgt Ion: 85 Resp: 146434
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.6



#3
 Chloromethane
 Concen: 46.260 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV031690.D
 Acq: 12 Jul 2023 13:00

Tgt Ion: 50 Resp: 152813
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 44.1





#5

Vinyl chloride

Concen: 43.362 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

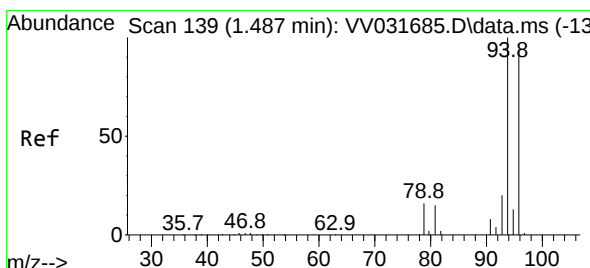
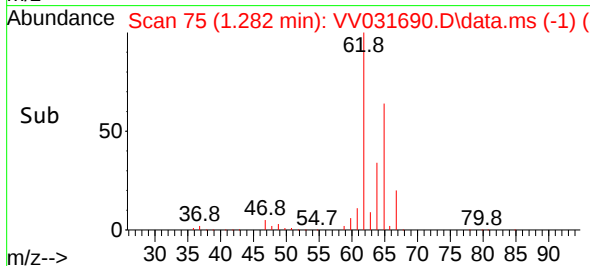
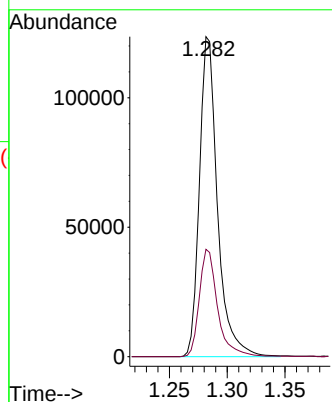
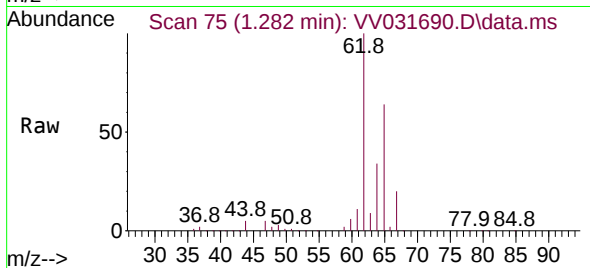
VSTD050390

Tgt Ion: 62 Resp: 134144

Ion Ratio Lower Upper

62 100

64 33.6 22.9 42.5



#6

Bromomethane

Concen: 56.580 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV031690.D

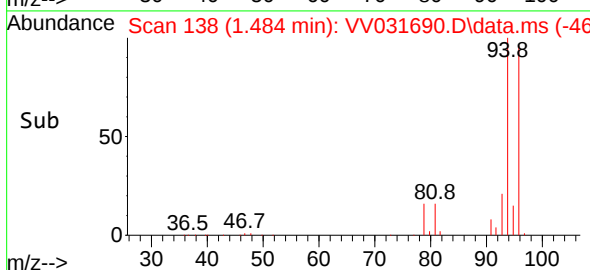
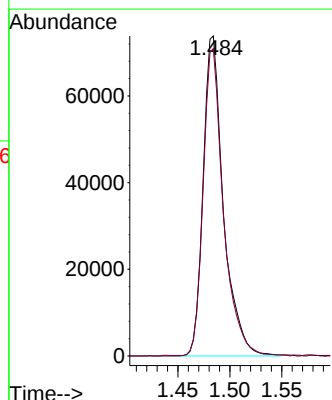
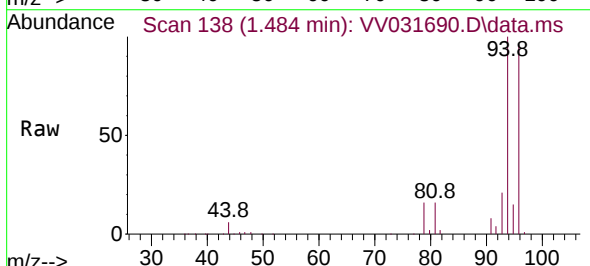
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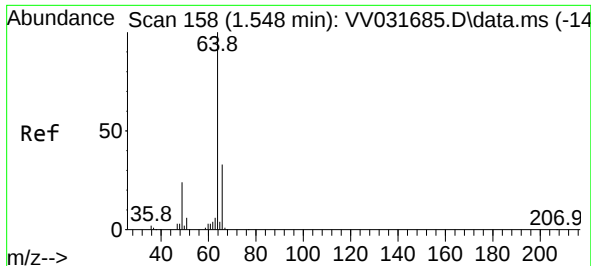
Tgt Ion: 94 Resp: 100007

Ion Ratio Lower Upper

94 100

96 96.1 65.7 121.9

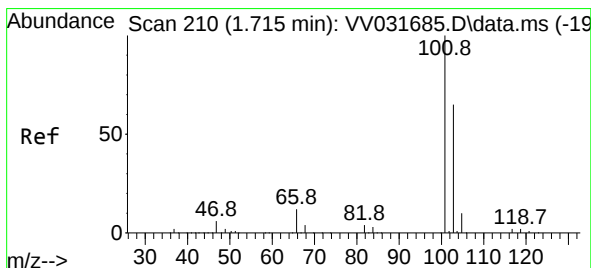
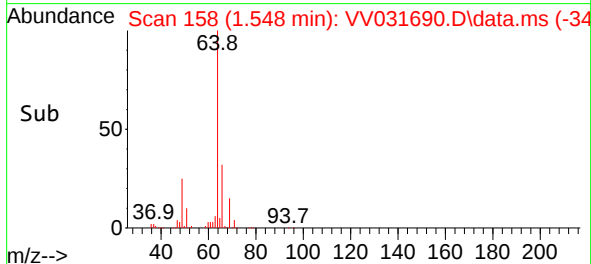
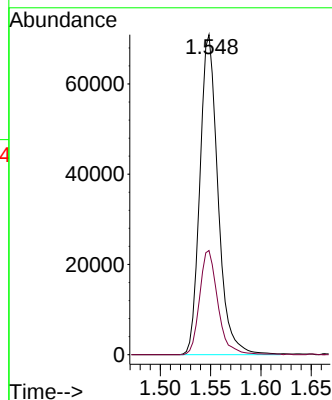
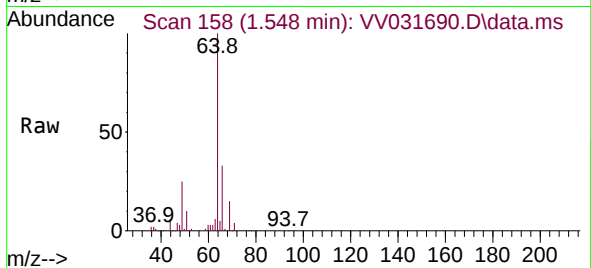




#8
Chloroethane
Concen: 52.108 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

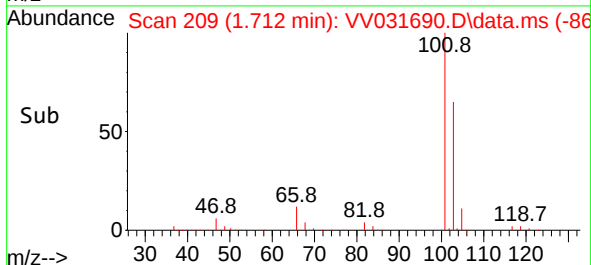
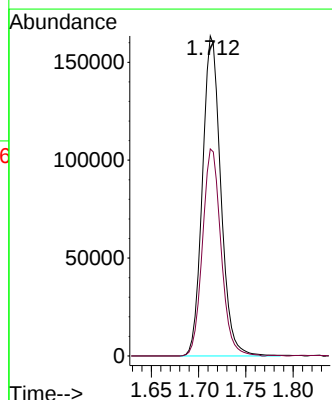
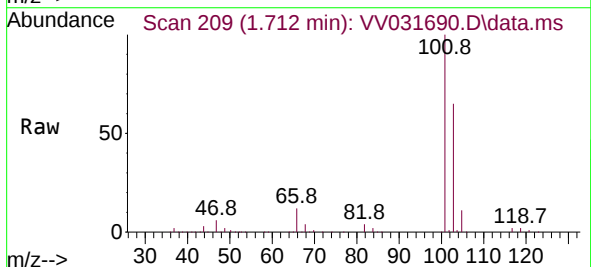
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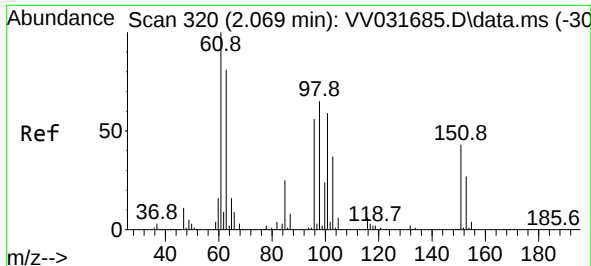
Tgt Ion: 64 Resp: 88884
Ion Ratio Lower Upper
64 100
66 32.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.896 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion:101 Resp: 221180
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.308 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

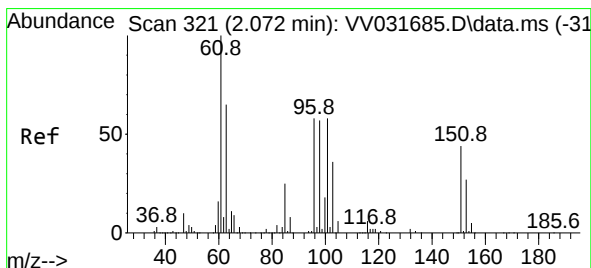
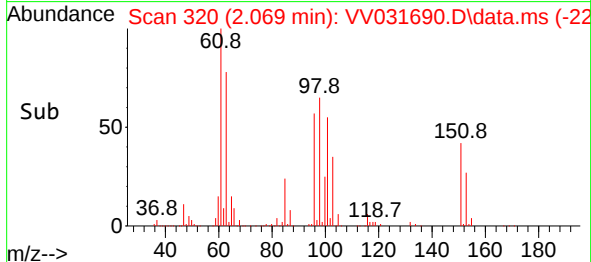
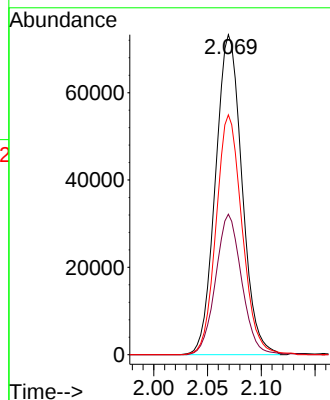
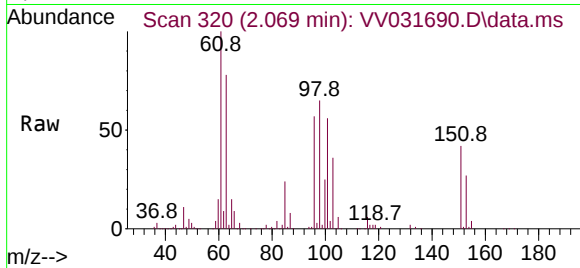
Tgt Ion:101 Resp: 125820

Ion Ratio Lower Upper

101 100

85 43.0 33.9 50.9

151 73.5 61.0 91.6



#12

1,1-Dichloroethene

Concen: 49.675 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

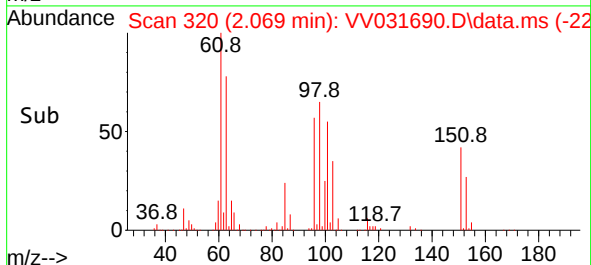
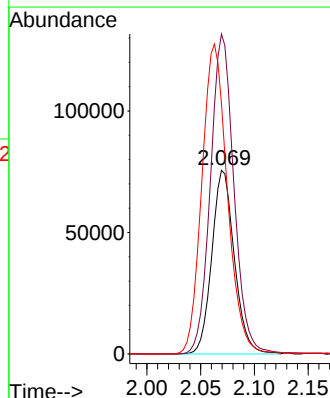
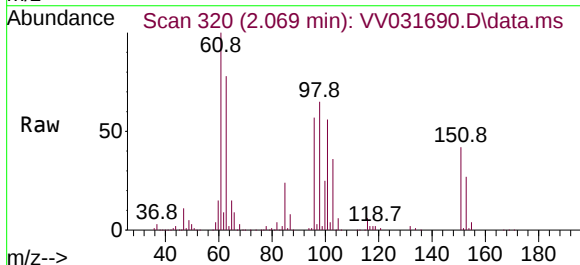
Tgt Ion: 96 Resp: 110162

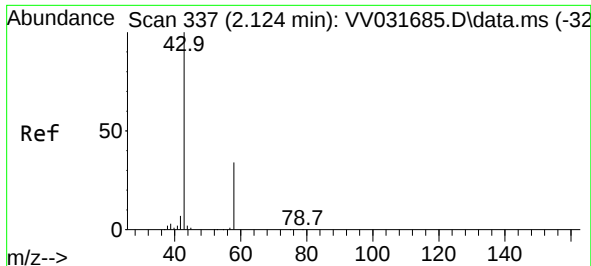
Ion Ratio Lower Upper

96 100

61 174.1 118.3 219.7

63 136.3 96.8 179.8





#13

Acetone

Concen: 95.731 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

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MSVOA_V

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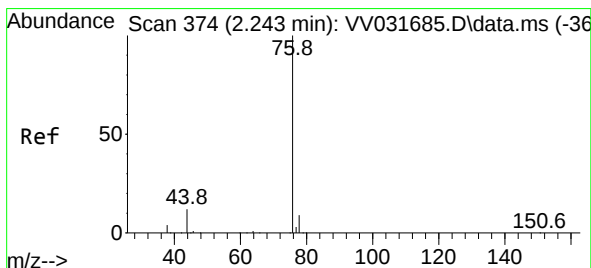
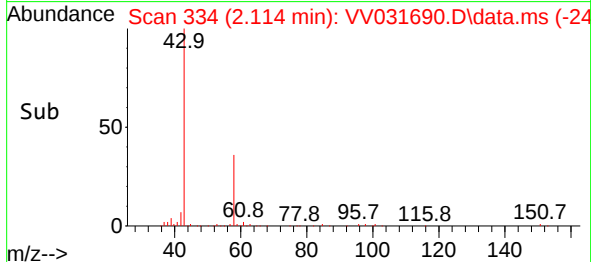
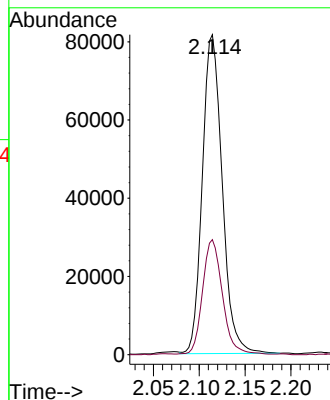
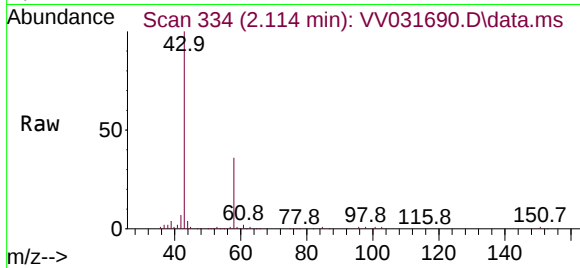
VSTD050390

Tgt Ion: 43 Resp: 122900

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.0



#14

Carbon disulfide

Concen: 47.892 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031690.D

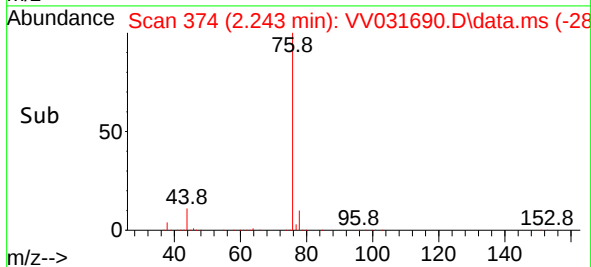
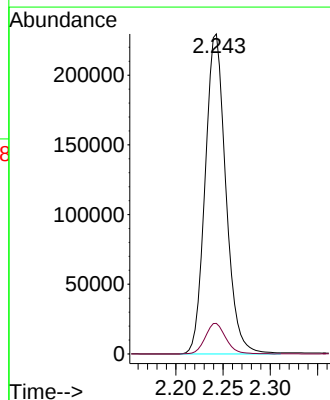
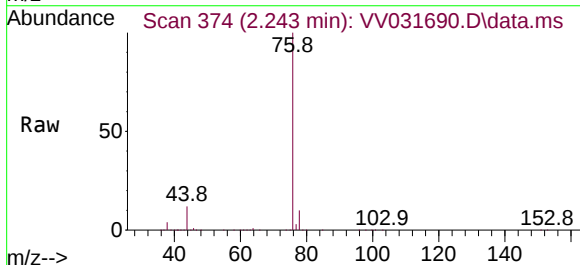
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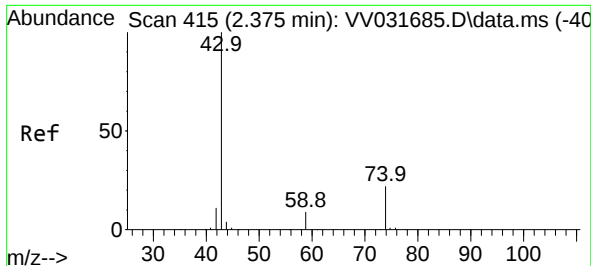
Tgt Ion: 76 Resp: 349695

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

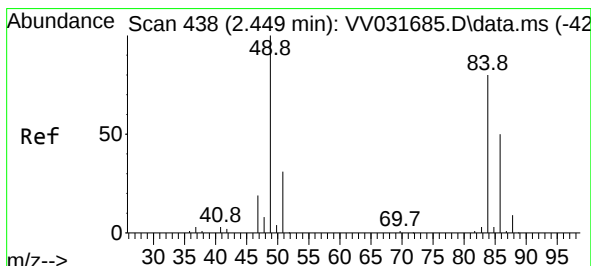
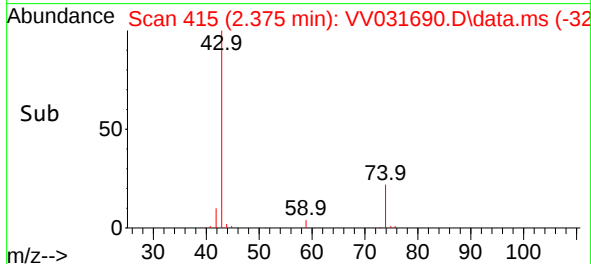
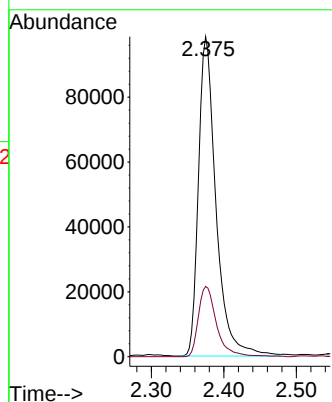
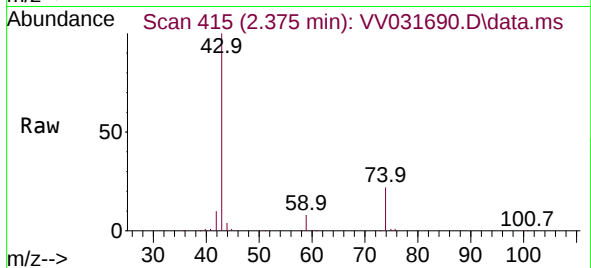




#15
Methyl Acetate
Concen: 61.143 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

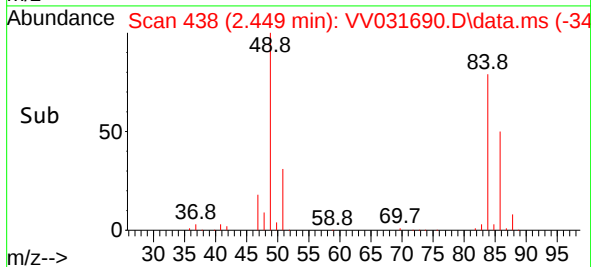
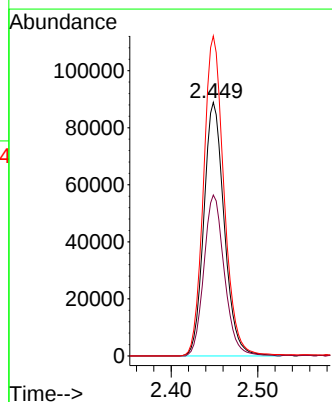
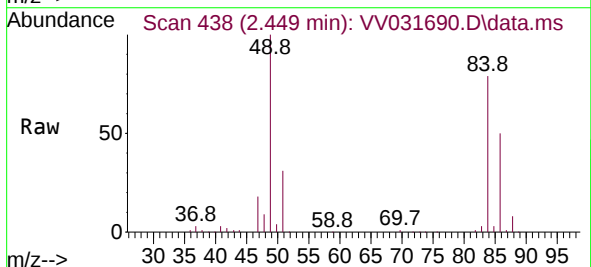
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

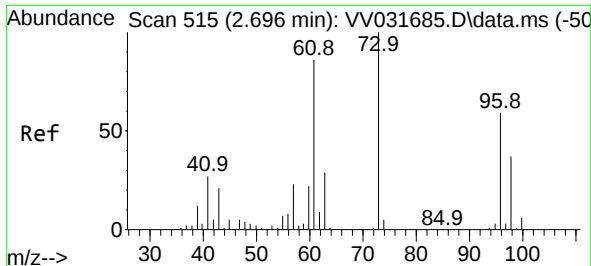
Tgt Ion: 43 Resp: 165450
Ion Ratio Lower Upper
43 100
74 22.6 19.5 29.3



#16
Methylene chloride
Concen: 55.567 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 84 Resp: 145672
Ion Ratio Lower Upper
84 100
86 63.5 44.5 82.7
49 126.2 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 49.904 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

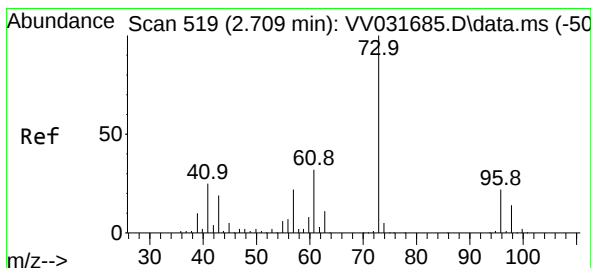
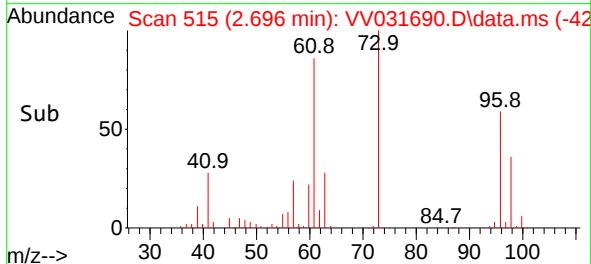
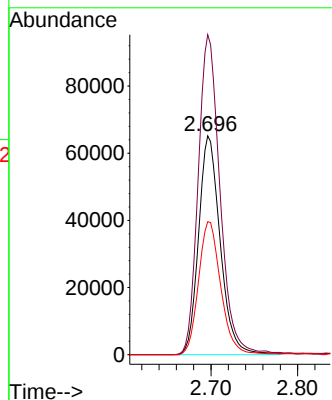
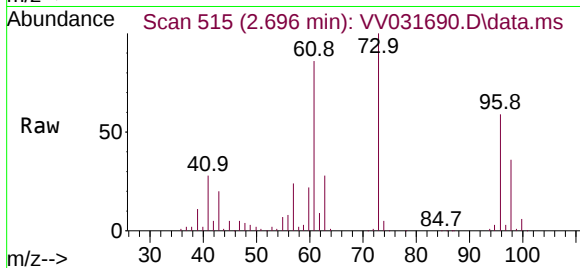
Tgt Ion: 96 Resp: 113043

Ion Ratio Lower Upper

96 100

61 146.2 101.6 188.6

98 60.8 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 57.169 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

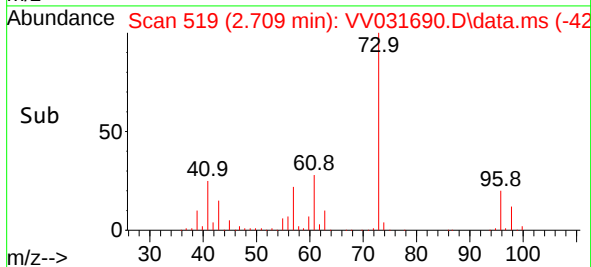
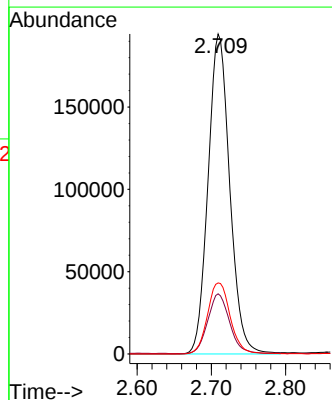
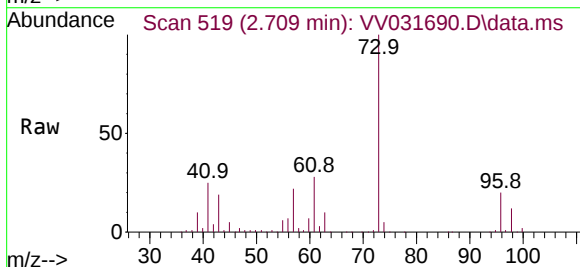
Tgt Ion: 73 Resp: 394103

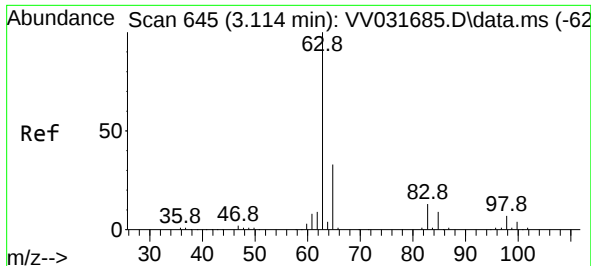
Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.4

57 23.3 18.3 27.5





#19

1,1-Dichloroethane

Concen: 54.318 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

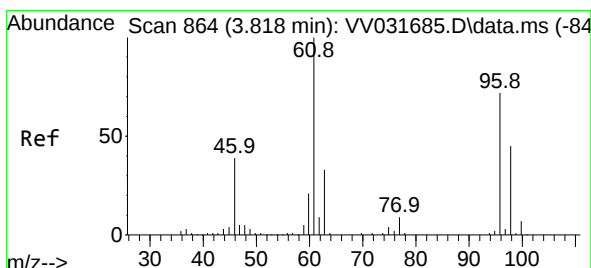
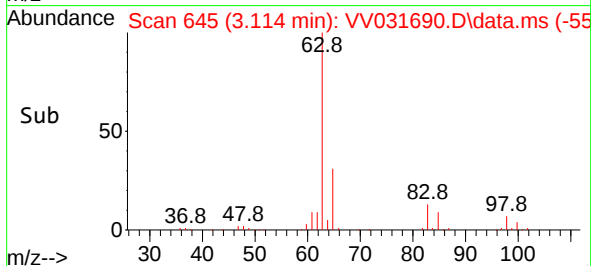
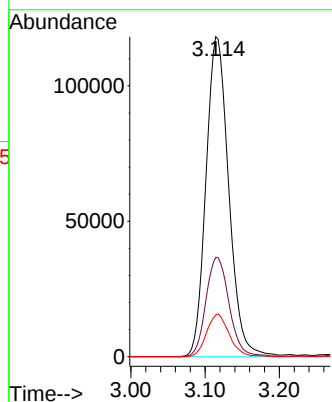
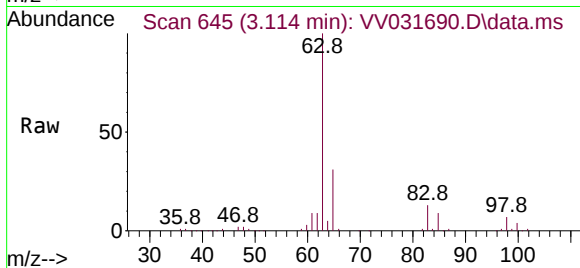
Tgt Ion: 63 Resp: 251543

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 13.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 52.134 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

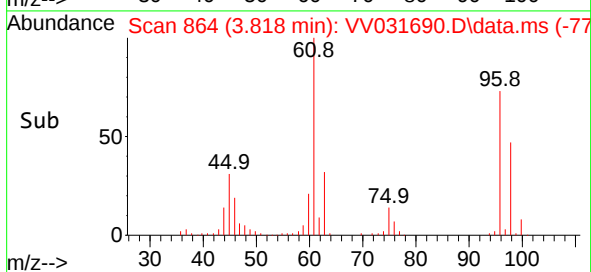
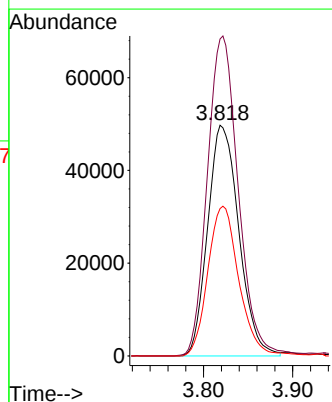
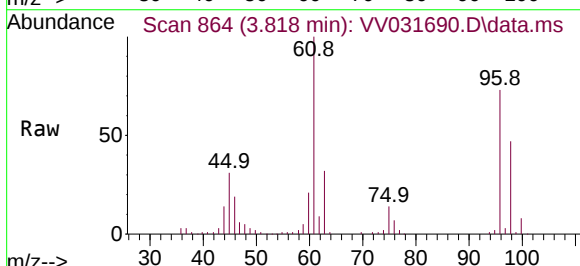
Tgt Ion: 96 Resp: 121145

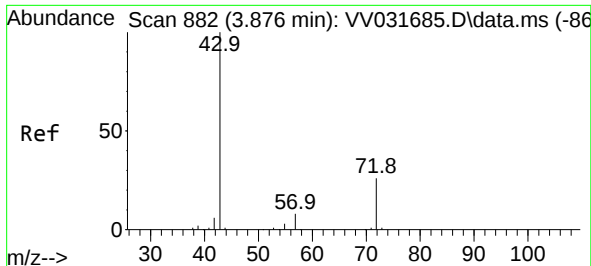
Ion Ratio Lower Upper

96 100

61 137.4 90.6 168.2

98 63.9 43.8 81.3

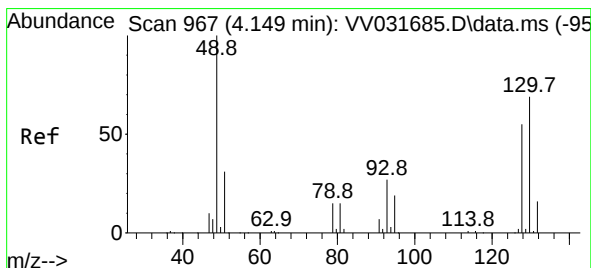
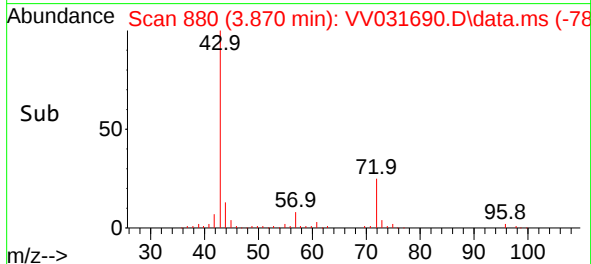
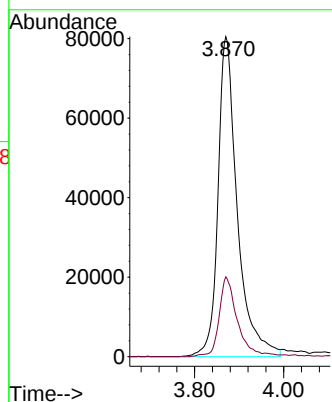
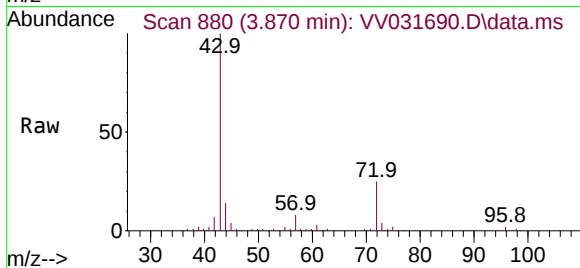




#22
2-Butanone
Concen: 136.503 ug/L
RT: 3.870 min Scan# 882
Delta R.T. -0.006 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

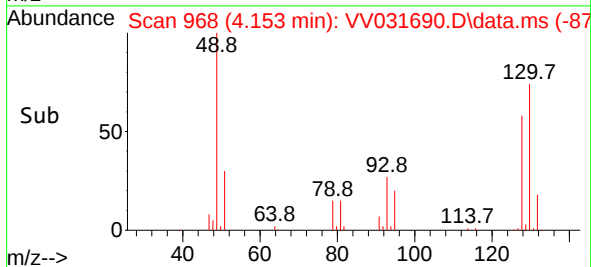
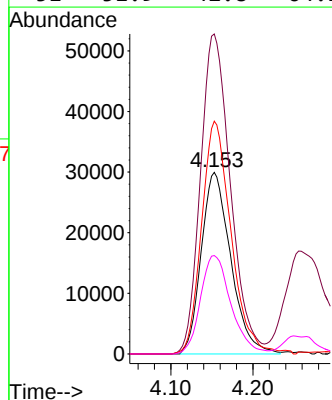
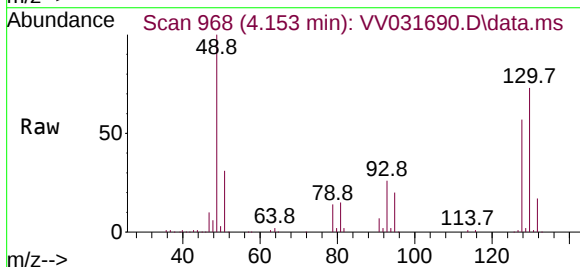
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

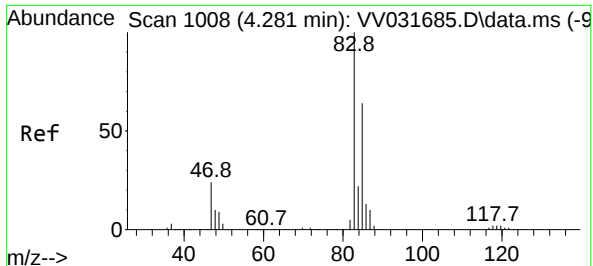
Tgt Ion: 43 Resp: 242803
Ion Ratio Lower Upper
43 100
72 22.9 12.7 38.0



#23
Bromochloromethane
Concen: 59.383 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion:128 Resp: 75027
Ion Ratio Lower Upper
128 100
49 168.8 117.9 218.9
130 124.7 89.1 165.5
51 51.9 42.8 64.2





#25

Chloroform

Concen: 56.215 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

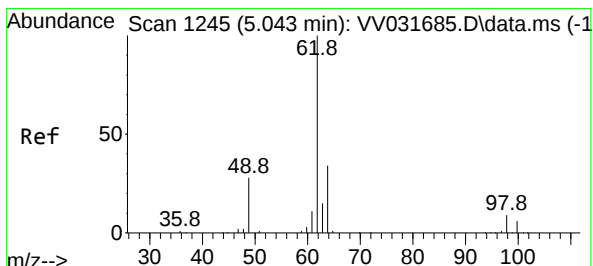
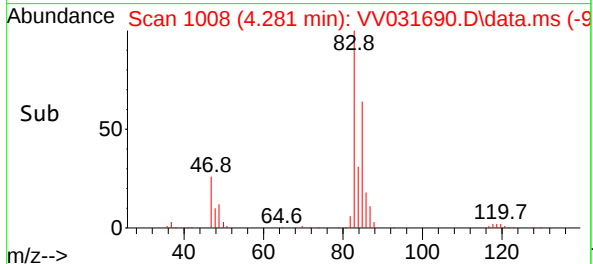
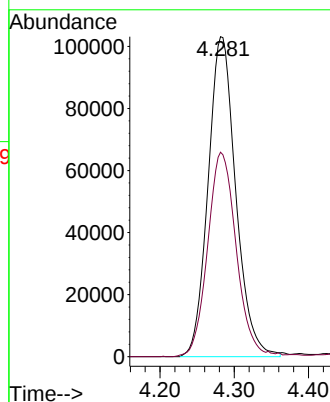
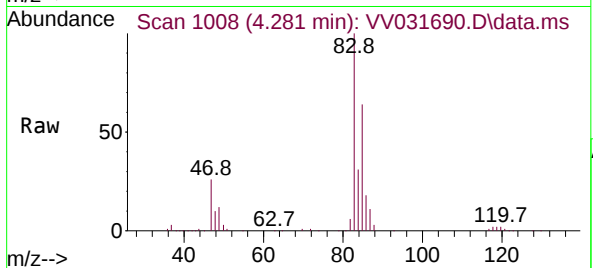
VSTD050390

Tgt Ion: 83 Resp: 267014

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 60.290 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV031690.D

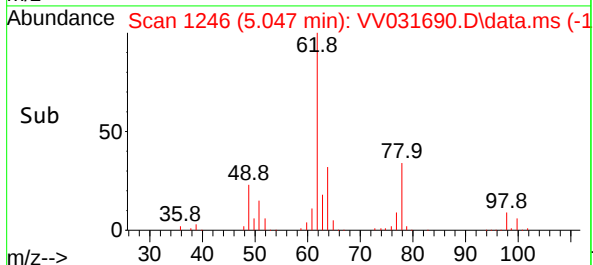
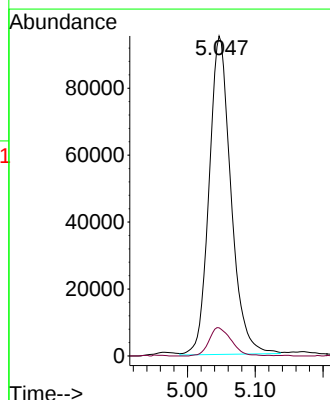
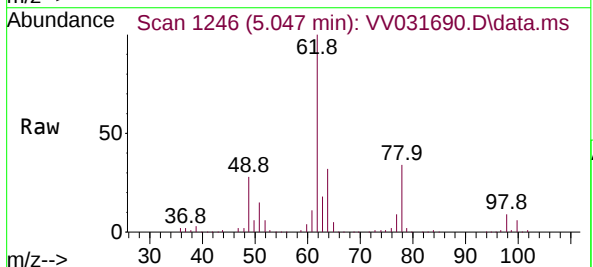
Acq: 12 Jul 2023 13:00

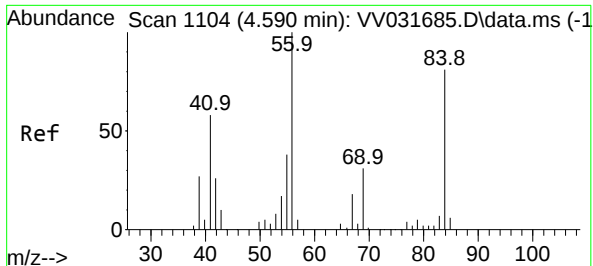
Tgt Ion: 62 Resp: 212751

Ion Ratio Lower Upper

62 100

98 9.6 7.5 11.3





#29

Cyclohexane

Concen: 46.641 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

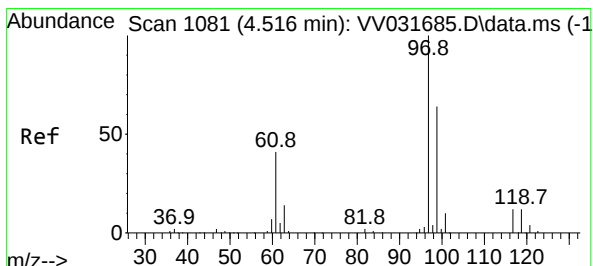
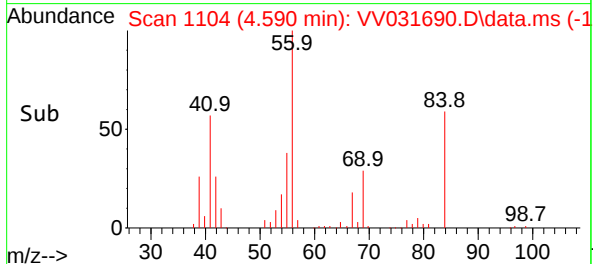
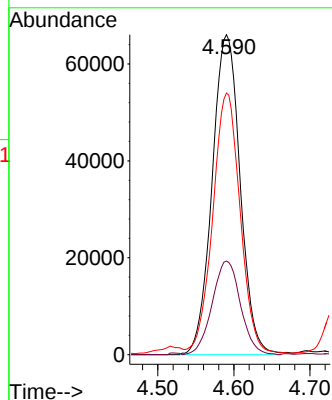
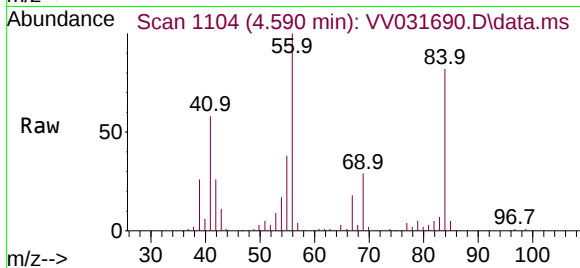
Tgt Ion: 56 Resp: 168937

Ion Ratio Lower Upper

56 100

69 29.6 24.1 36.1

84 79.6 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 50.683 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

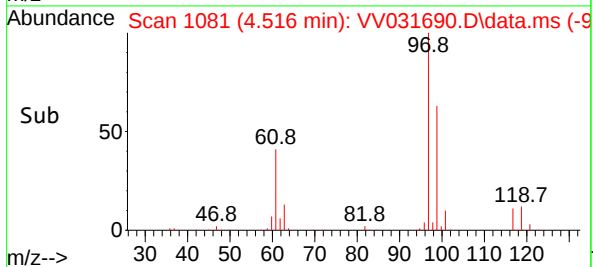
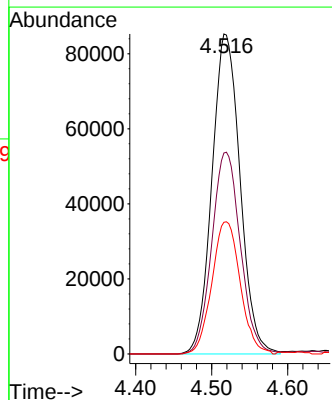
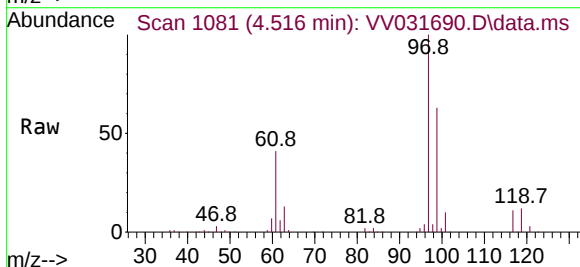
Tgt Ion: 97 Resp: 218797

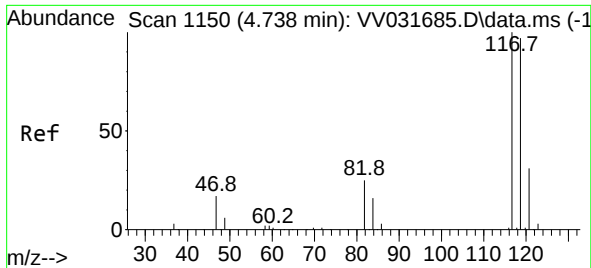
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 41.6 32.2 48.2

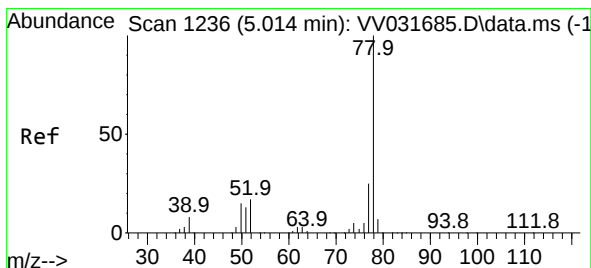
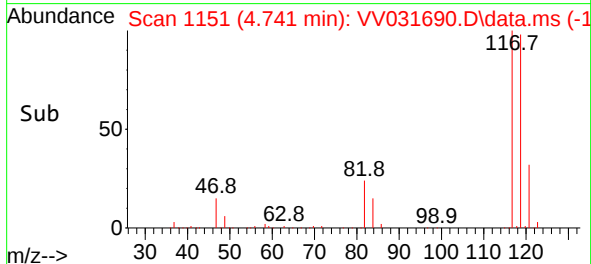
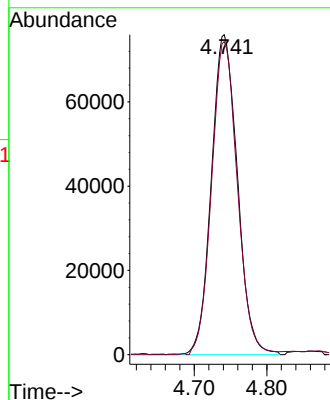
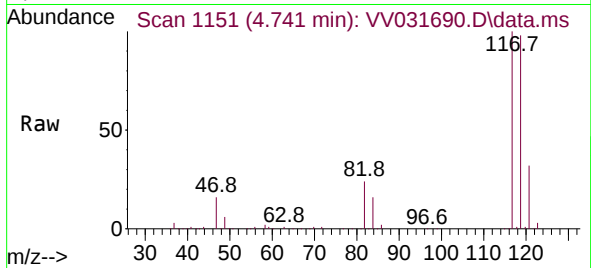




#31
Carbon tetrachloride
Concen: 49.445 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

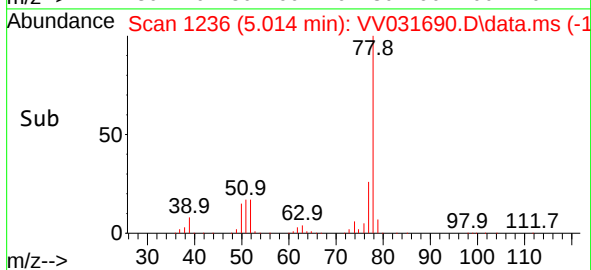
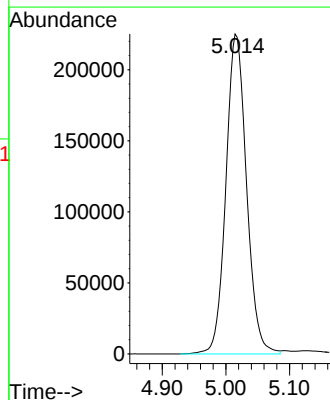
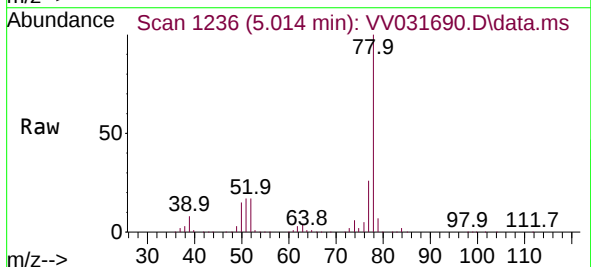
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

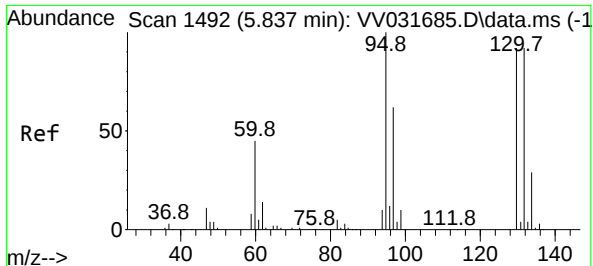
Tgt Ion:117 Resp: 189182
Ion Ratio Lower Upper
117 100
119 96.8 78.0 117.0



#33
Benzene
Concen: 53.845 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 78 Resp: 507325

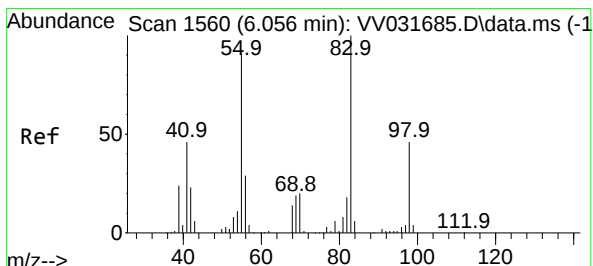
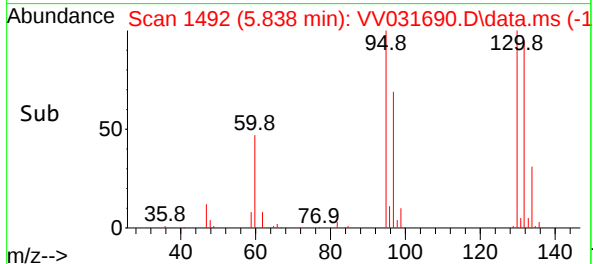
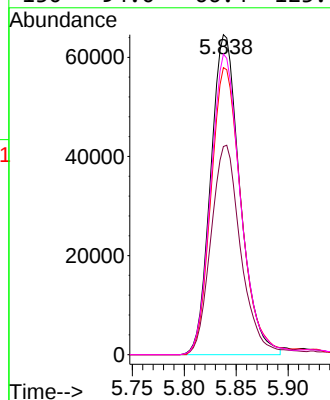
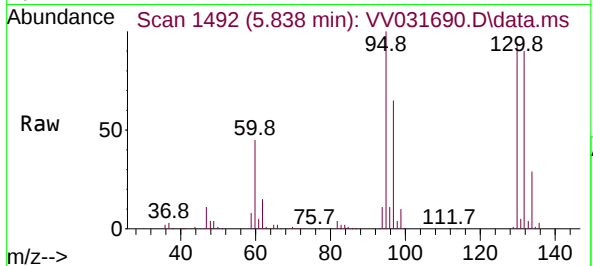




#34
Trichloroethene
Concen: 47.868 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

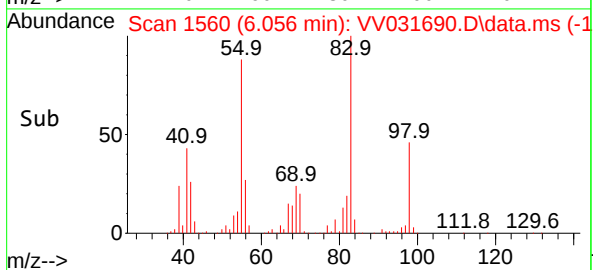
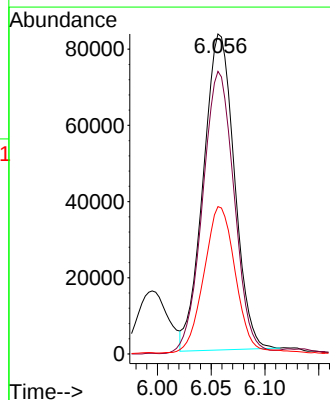
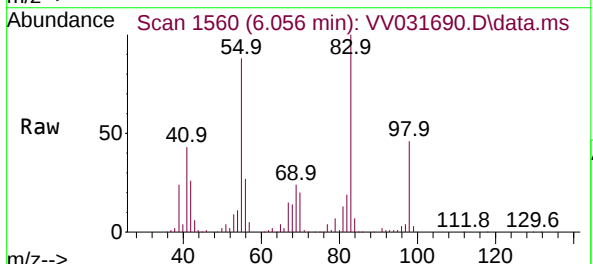
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

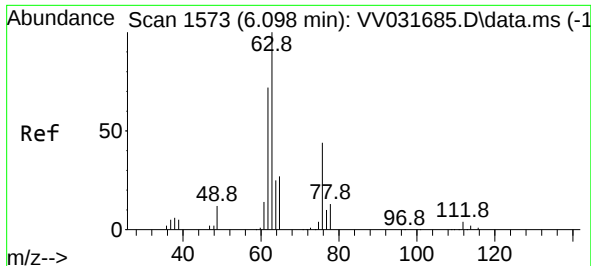
Tgt Ion: 95 Resp: 126898
Ion Ratio Lower Upper
95 100
97 65.0 47.0 87.2
132 89.7 64.8 120.4
130 94.0 66.4 123.4



#35
Methylcyclohexane
Concen: 46.243 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 83 Resp: 166858
Ion Ratio Lower Upper
83 100
55 91.1 69.4 104.2
98 48.4 38.2 57.2





#37

1,2-Dichloropropane

Concen: 56.988 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

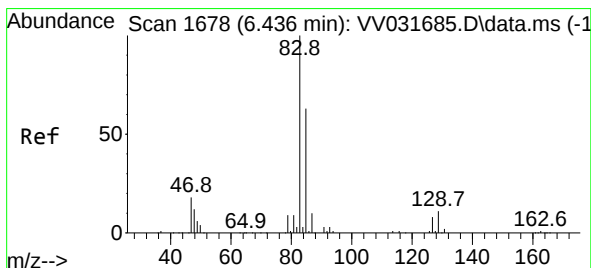
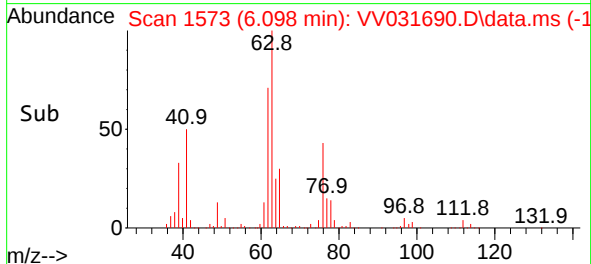
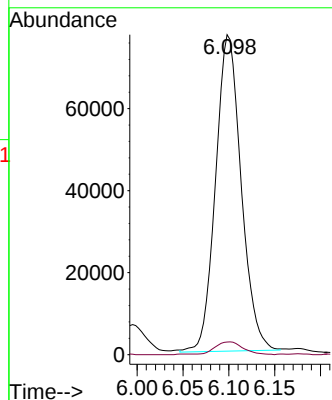
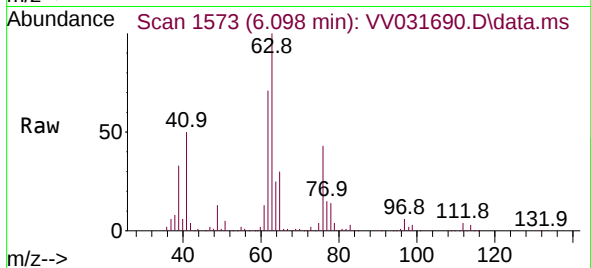
VSTD050390

Tgt Ion: 63 Resp: 150099

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 56.138 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

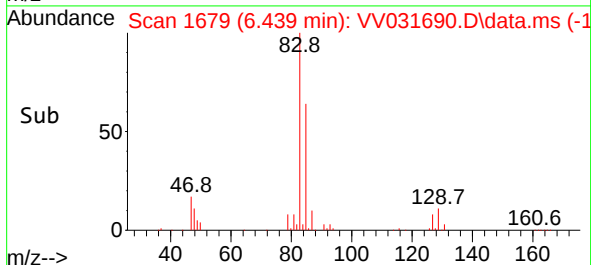
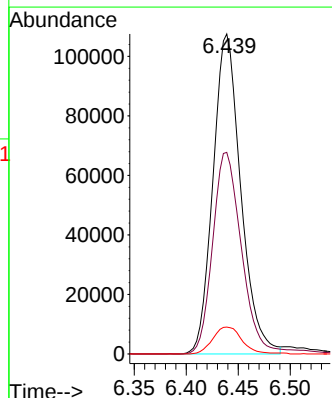
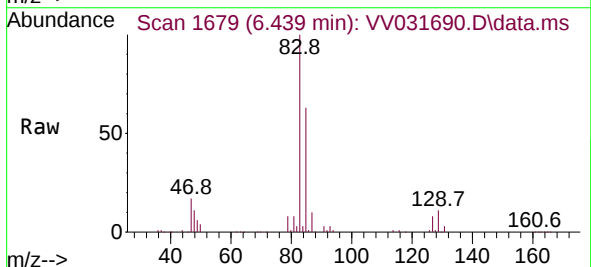
Tgt Ion: 83 Resp: 200435

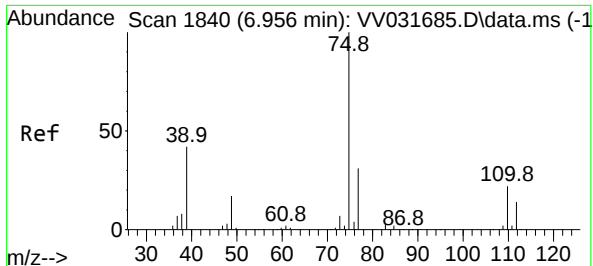
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0

127 9.4 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 52.845 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

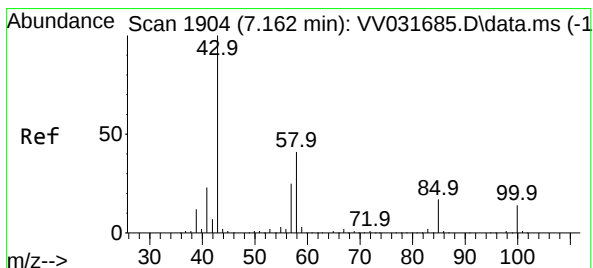
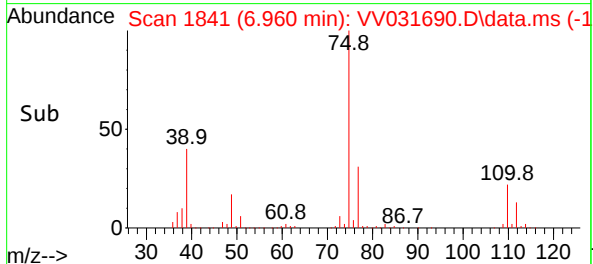
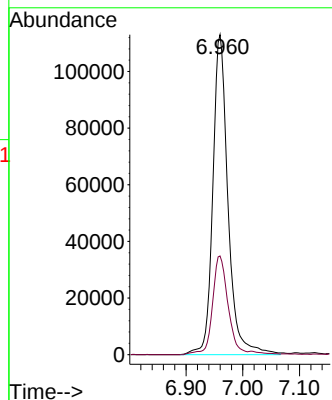
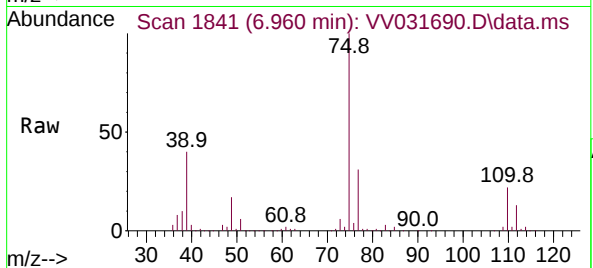
VSTD050390

Tgt Ion: 75 Resp: 210557

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 133.719 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

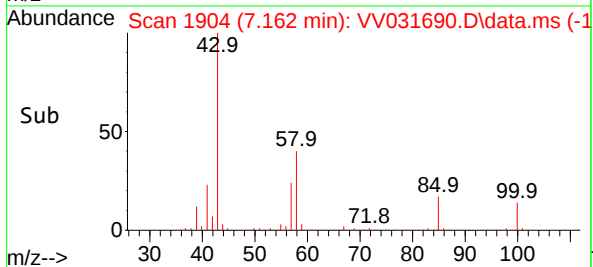
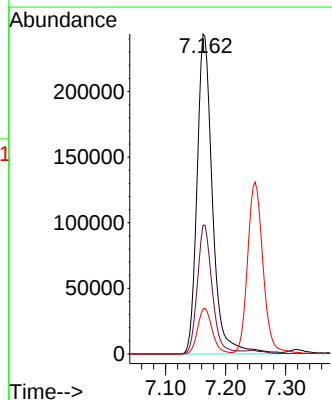
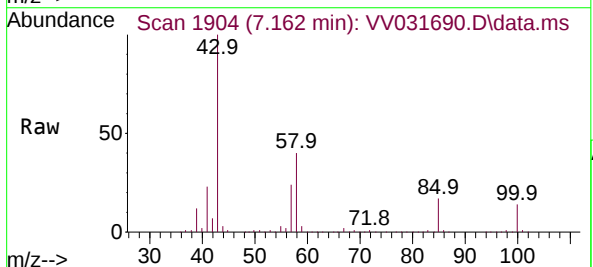
Tgt Ion: 43 Resp: 438058

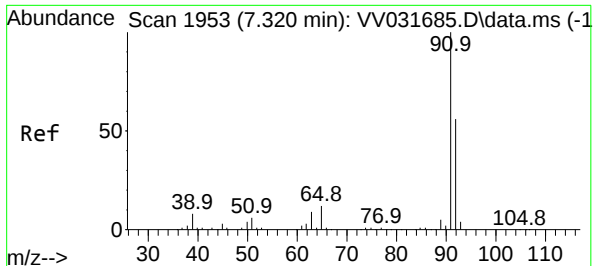
Ion Ratio Lower Upper

43 100

58 38.8 32.1 48.1

100 13.6 12.1 18.1





#42

Toluene

Concen: 54.929 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

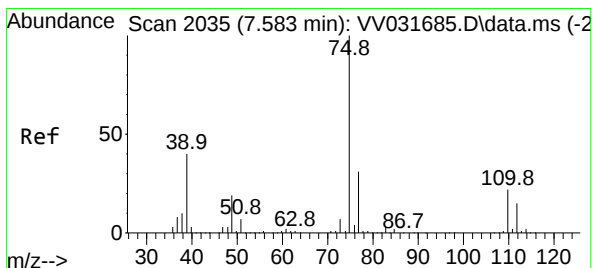
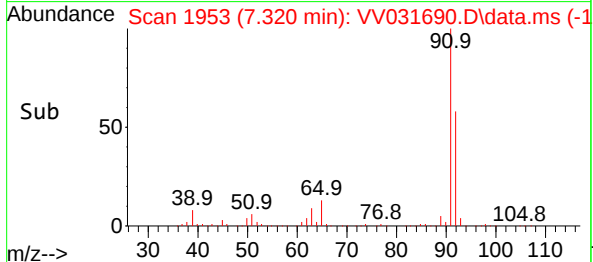
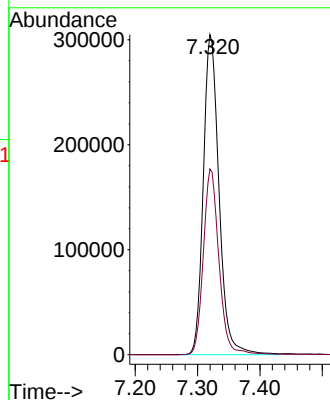
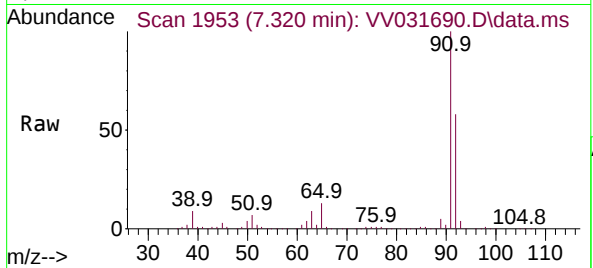
VSTD050390

Tgt Ion: 91 Resp: 534465

Ion Ratio Lower Upper

91 100

92 58.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 54.124 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031690.D

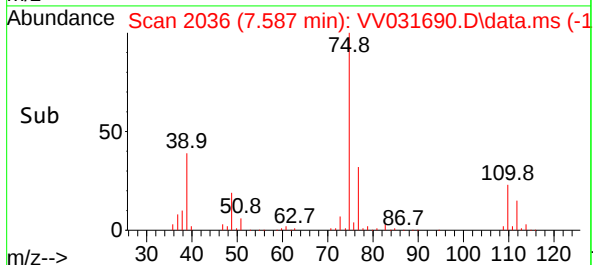
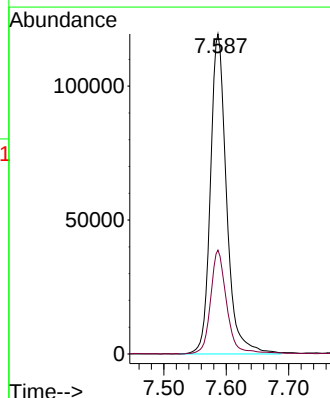
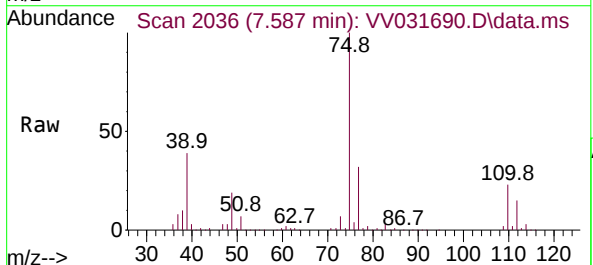
Acq: 12 Jul 2023 13:00

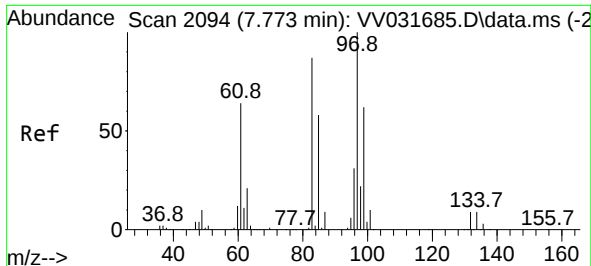
Tgt Ion: 75 Resp: 215130

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



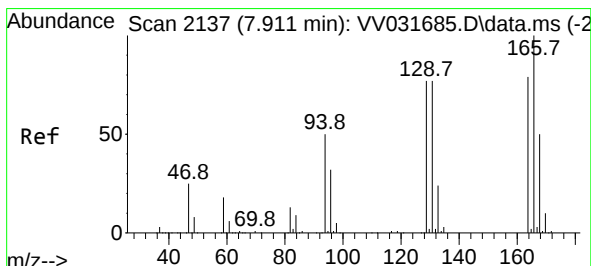
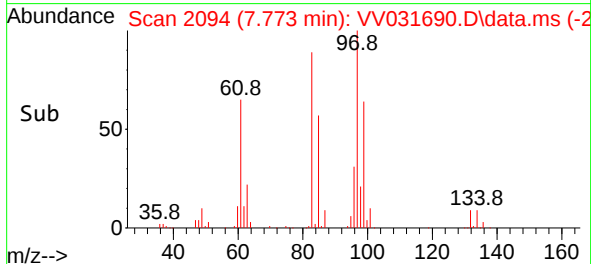
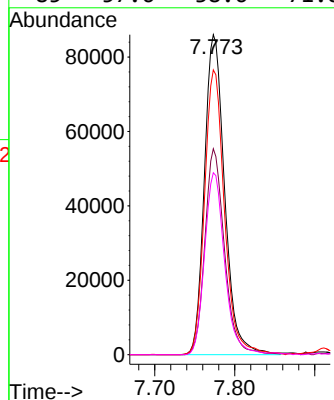
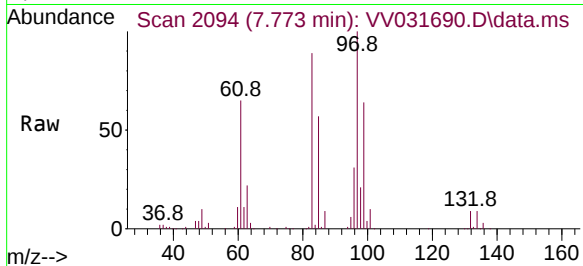


#45
1,1,2-Trichloroethane
Concen: 58.168 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

Tgt Ion: 97 Resp: 151684

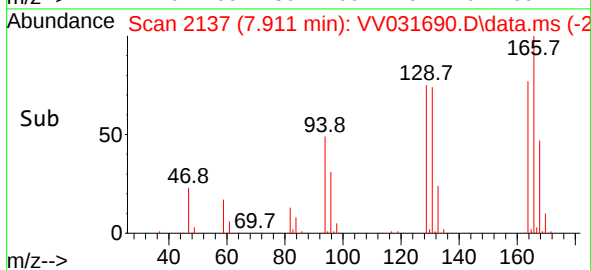
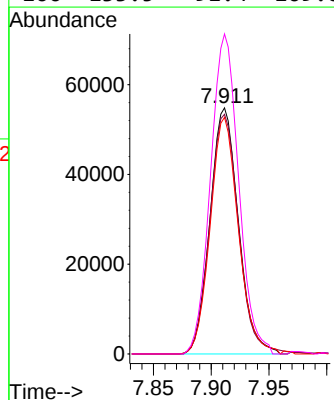
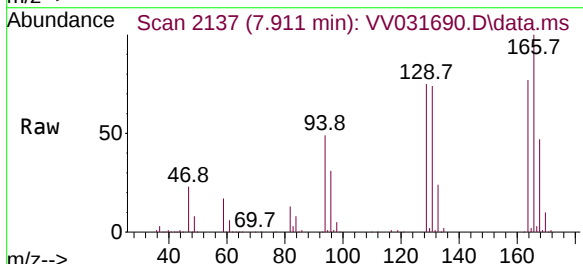
Ion	Ratio	Lower	Upper
97	100		
99	64.3	45.2	84.0
83	89.0	59.5	110.5
85	57.6	38.6	71.8

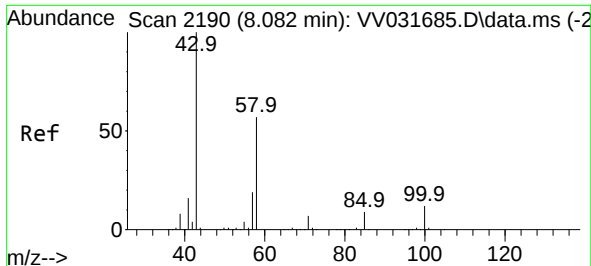


#46
Tetrachloroethene
Concen: 46.648 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 164 Resp: 94019

Ion	Ratio	Lower	Upper
164	100		
129	97.4	65.2	121.0
131	97.8	67.1	124.7
166	133.5	91.4	169.8

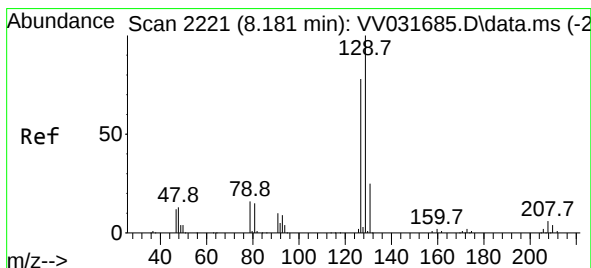
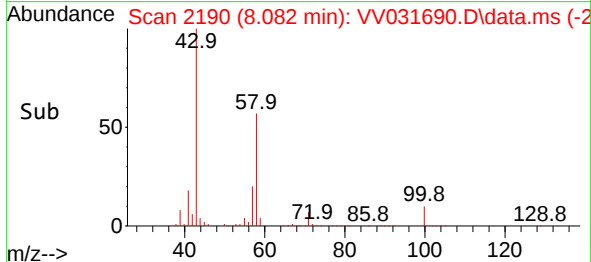
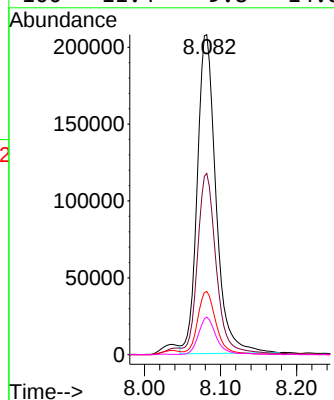
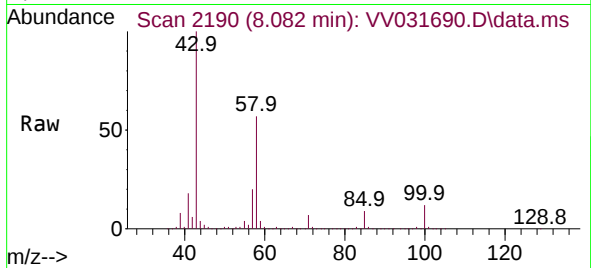




#48
2-Hexanone
Concen: 128.941 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

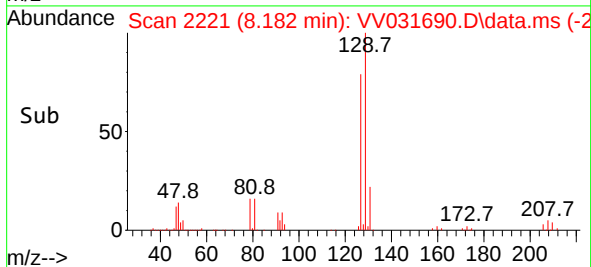
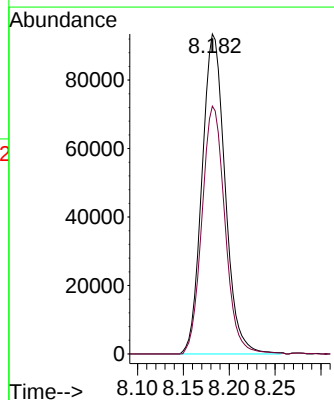
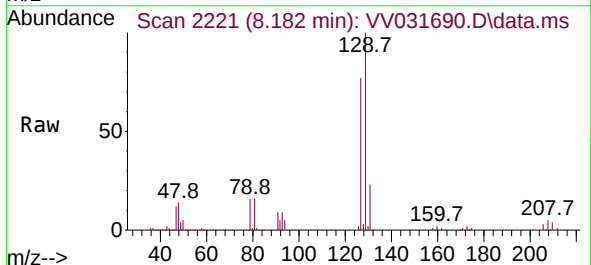
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

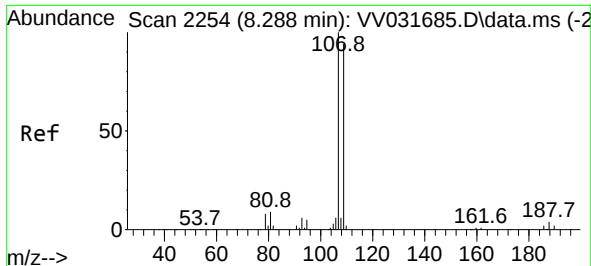
Tgt Ion: 43 Resp: 355010
Ion Ratio Lower Upper
43 100
58 56.1 46.3 69.5
57 19.8 16.8 25.2
100 11.4 9.8 14.8



#49
Dibromochloromethane
Concen: 56.502 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 129 Resp: 163633
Ion Ratio Lower Upper
129 100
127 77.4 55.2 102.6

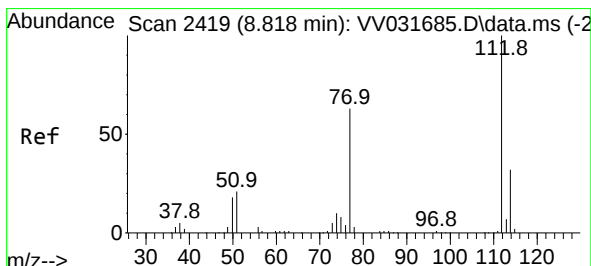
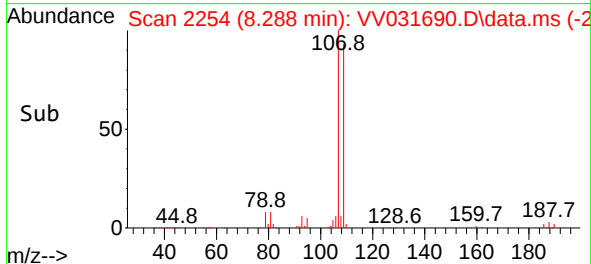
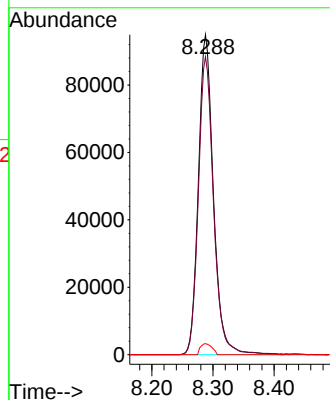
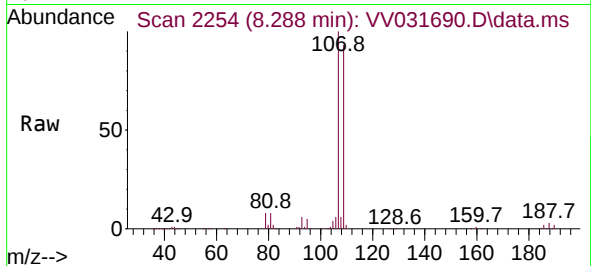




#50
1,2-Dibromoethane
Concen: 56.527 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

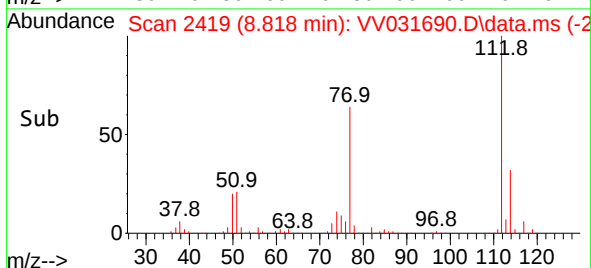
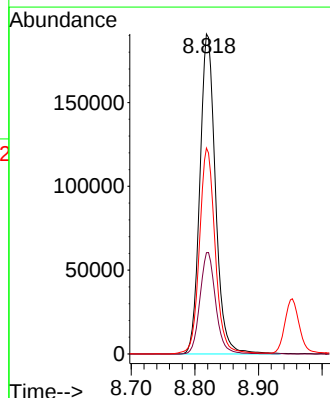
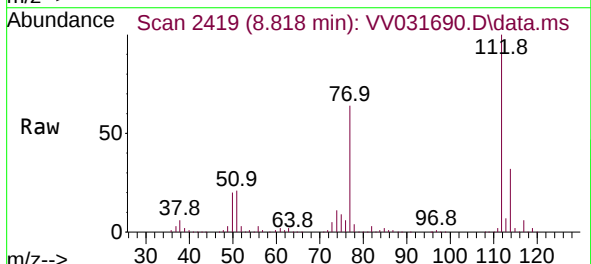
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

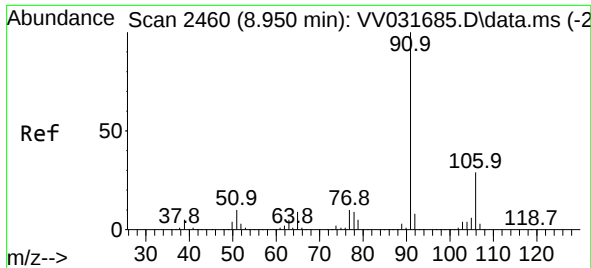
Tgt Ion:107 Resp: 162428
Ion Ratio Lower Upper
107 100
109 93.1 65.4 121.4
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 50.460 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion:112 Resp: 325448
Ion Ratio Lower Upper
112 100
114 31.6 22.2 41.2
77 64.4 50.6 76.0

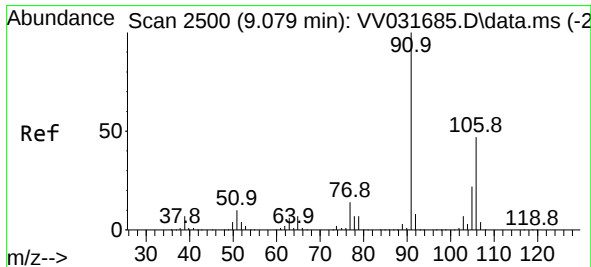
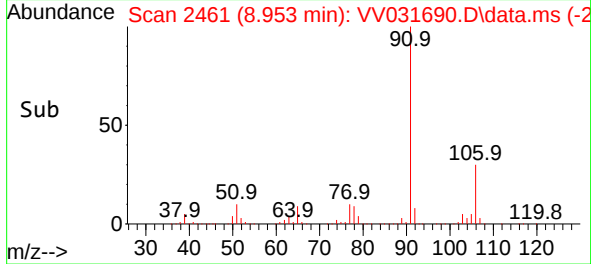
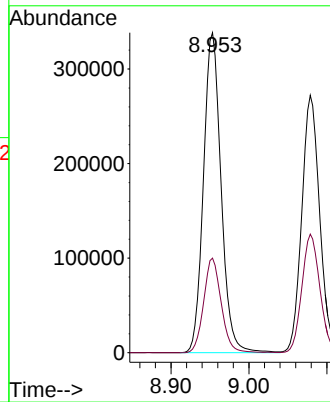
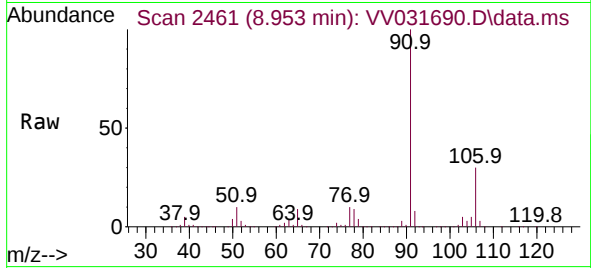




#52
Ethylbenzene
Concen: 50.248 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

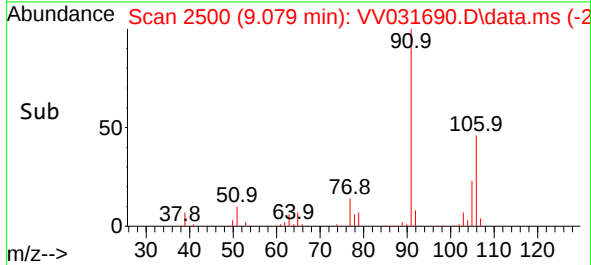
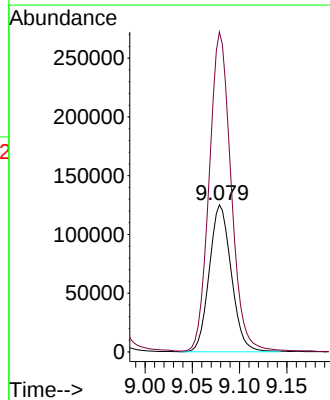
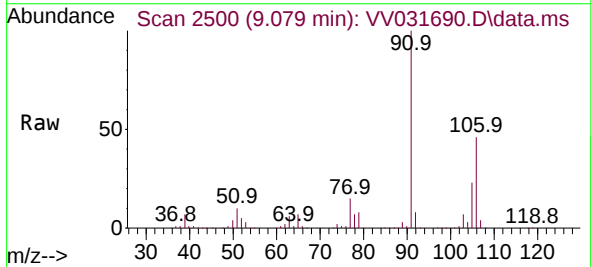
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

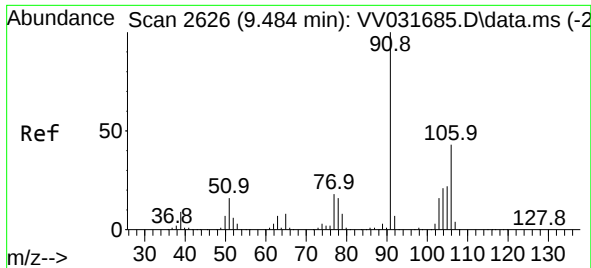
Tgt Ion: 91 Resp: 531963
Ion Ratio Lower Upper
91 100
106 29.5 21.5 39.9



#53
m,p-Xylene
Concen: 51.847 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion:106 Resp: 202361
Ion Ratio Lower Upper
106 100
91 217.3 145.6 270.4

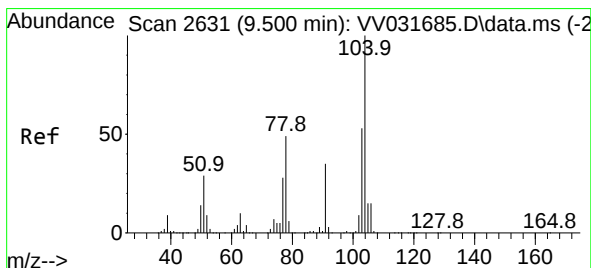
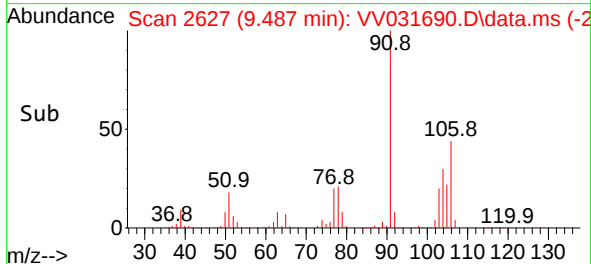
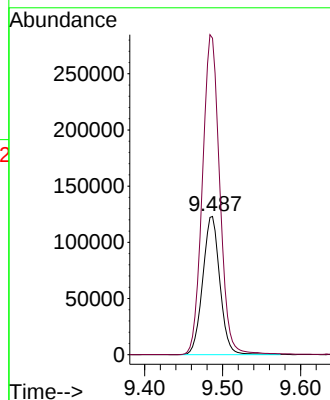
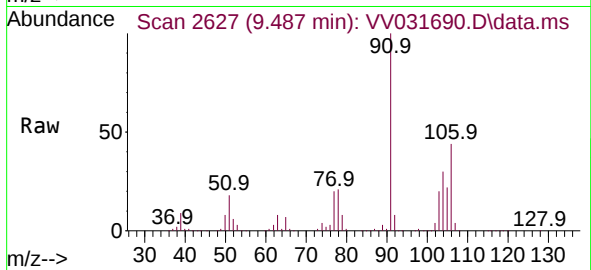




#54
o-Xylene
Concen: 52.065 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

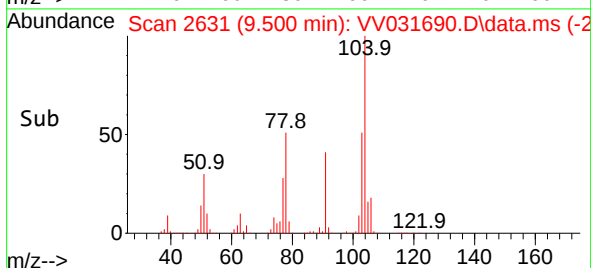
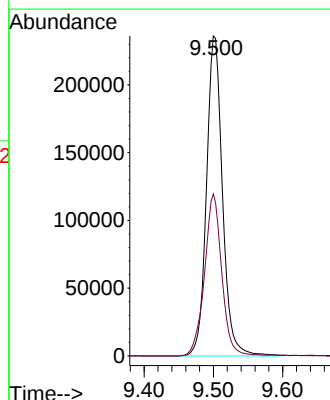
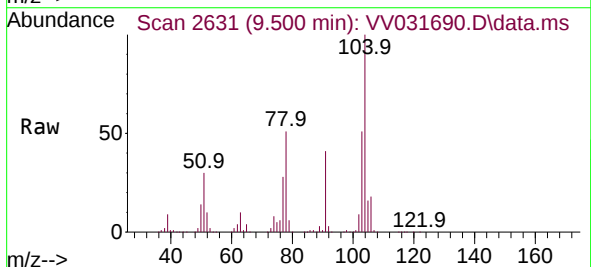
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

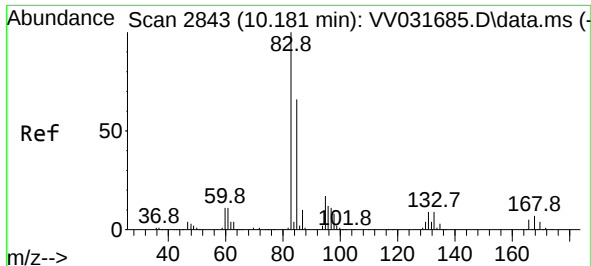
Tgt Ion:106 Resp: 188205
Ion Ratio Lower Upper
106 100
91 229.0 163.0 302.6



#55
Styrene
Concen: 56.863 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion:104 Resp: 378404
Ion Ratio Lower Upper
104 100
78 50.7 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 60.646 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

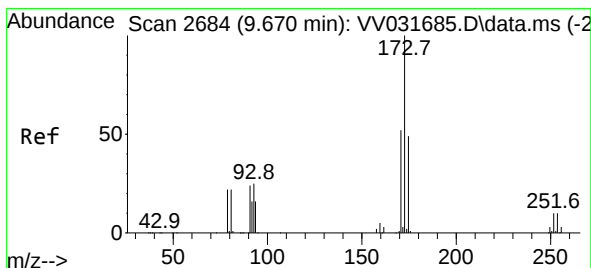
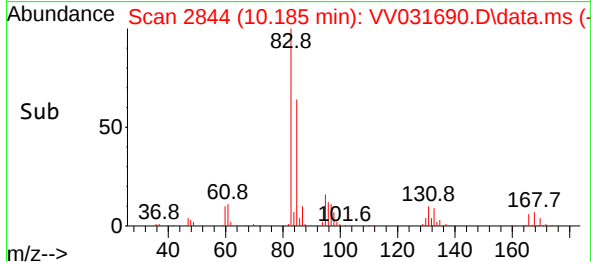
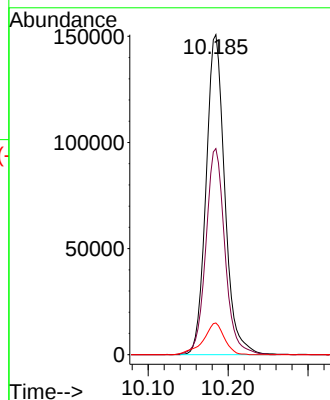
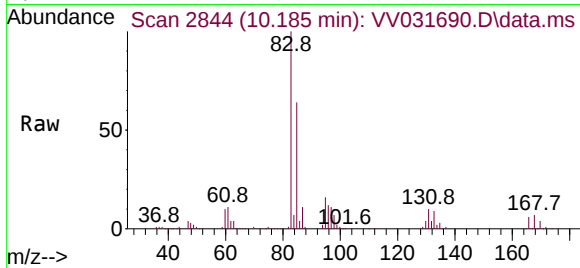
Tgt Ion: 83 Resp: 245525

Ion Ratio Lower Upper

83 100

85 64.4 43.4 80.6

131 9.9 10.9 16.3#



#59

Bromoform

Concen: 59.571 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

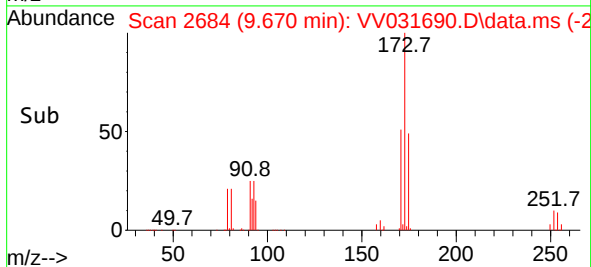
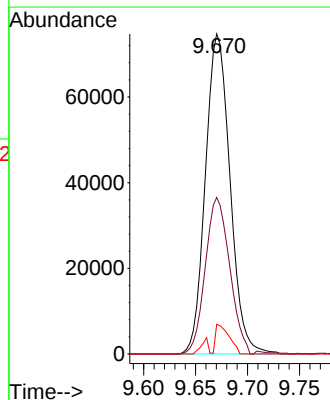
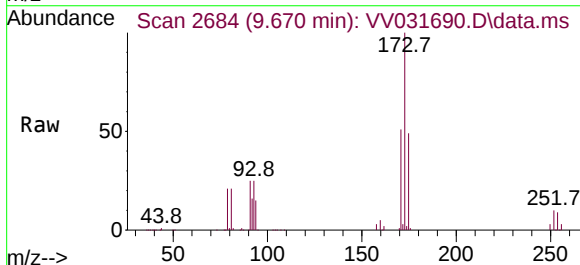
Tgt Ion:173 Resp: 123163

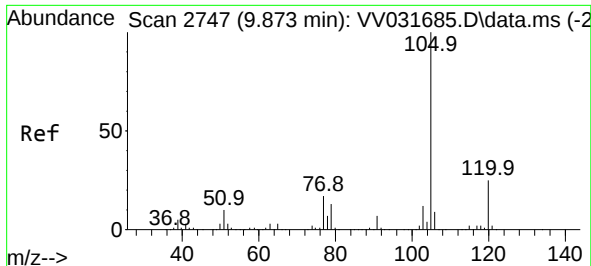
Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

254 5.1 6.9 10.3#

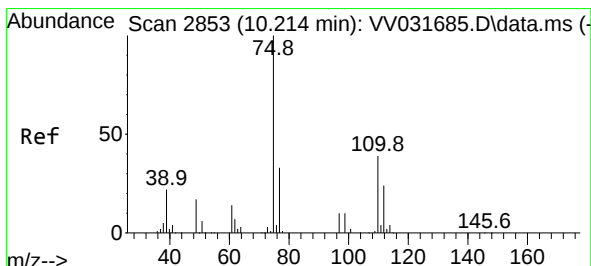
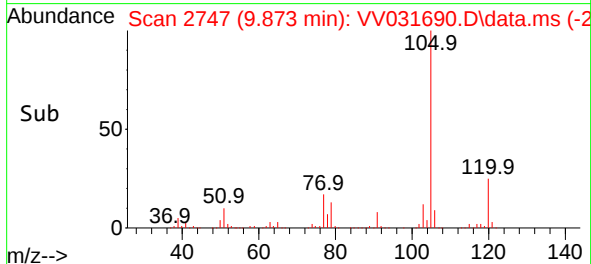
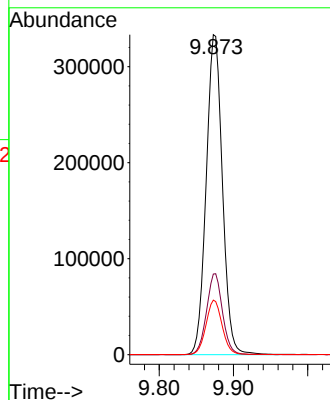
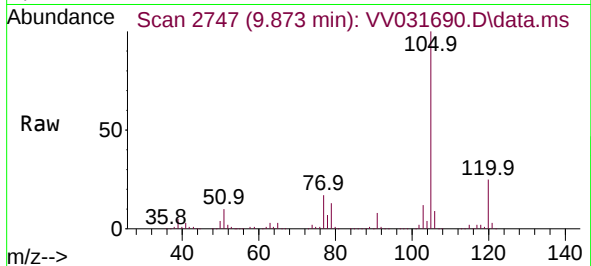




#60
Isopropylbenzene
Concen: 51.144 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

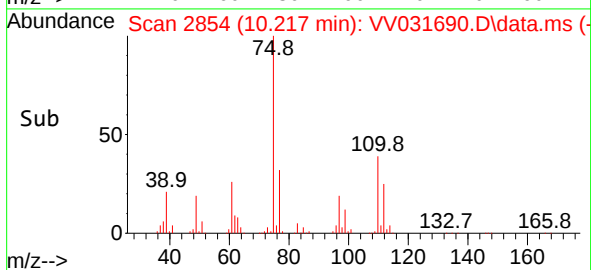
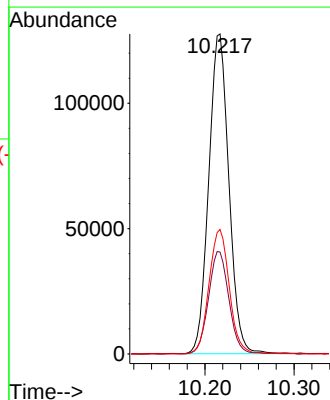
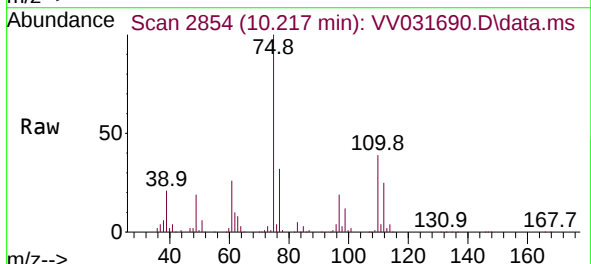
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

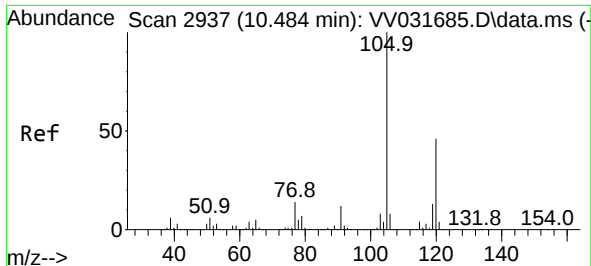
Tgt Ion:105 Resp: 505290
Ion Ratio Lower Upper
105 100
120 24.9 20.6 30.8
77 16.8 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 59.341 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031690.D
Acq: 12 Jul 2023 13:00

Tgt Ion: 75 Resp: 199689
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
110 39.4 31.4 47.0

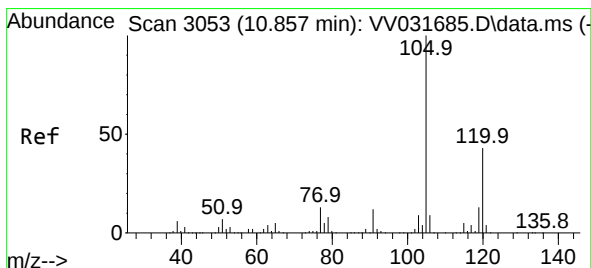
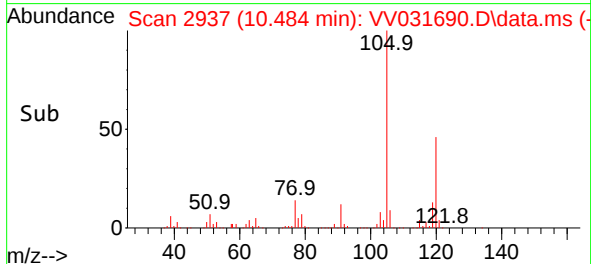
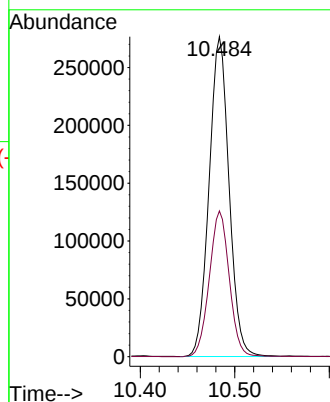
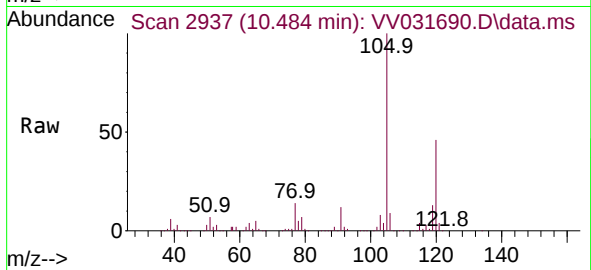




#62
 1,3,5-Trimethylbenzene
 Concen: 50.260 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031690.D
 Acq: 12 Jul 2023 13:00

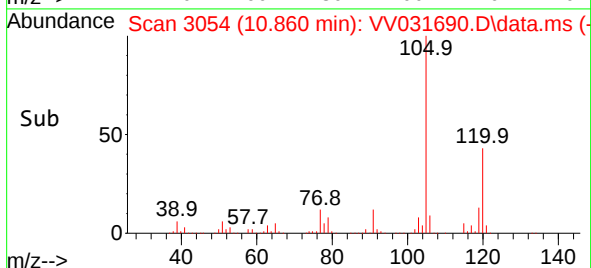
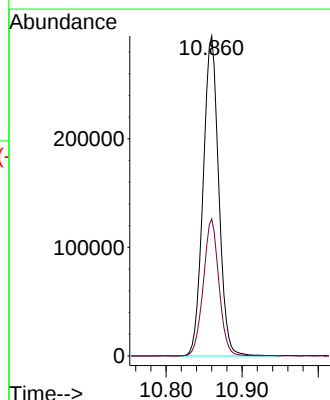
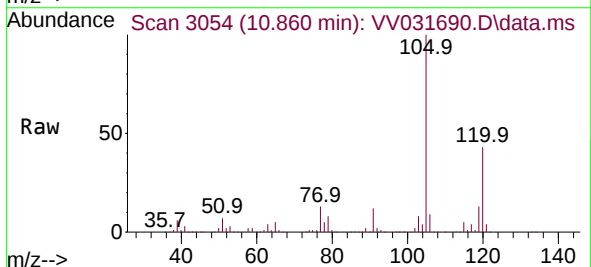
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

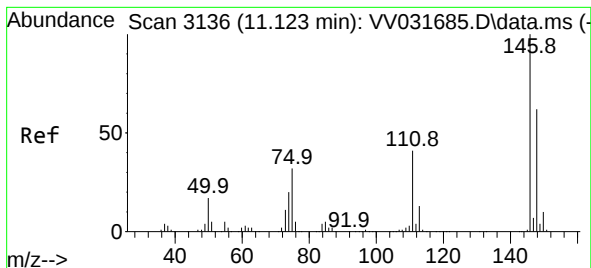
Tgt Ion:105 Resp: 405729
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 52.225 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031690.D
 Acq: 12 Jul 2023 13:00

Tgt Ion:105 Resp: 419926
 Ion Ratio Lower Upper
 105 100
 120 42.8 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 51.750 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

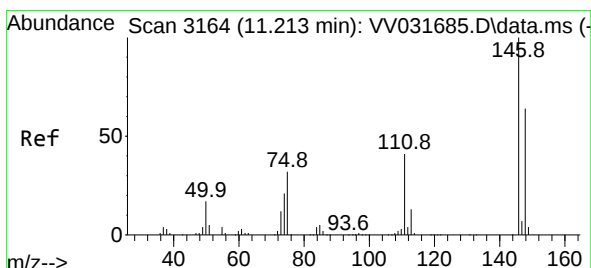
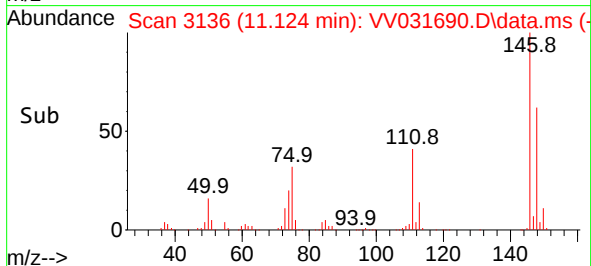
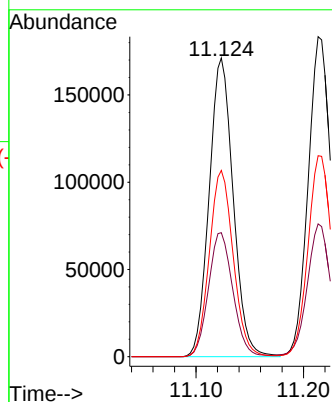
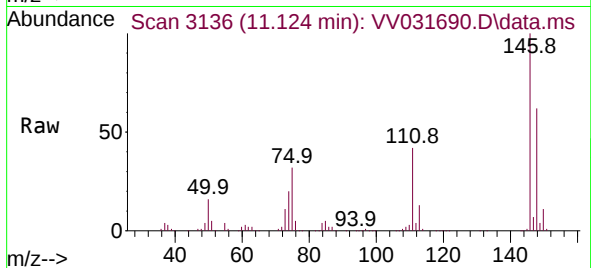
Tgt Ion:146 Resp: 265558

Ion Ratio Lower Upper

146 100

111 41.5 28.3 52.5

148 62.4 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 50.377 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

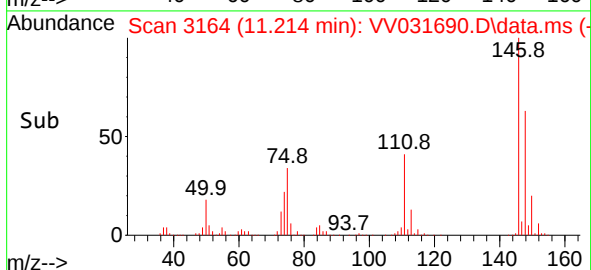
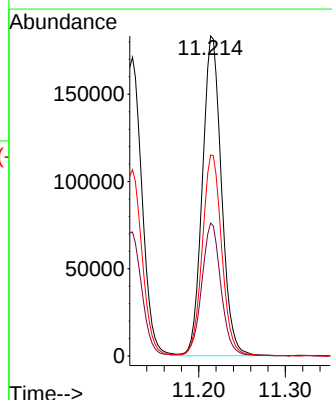
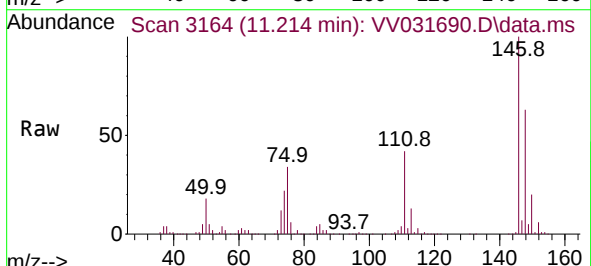
Tgt Ion:146 Resp: 280378

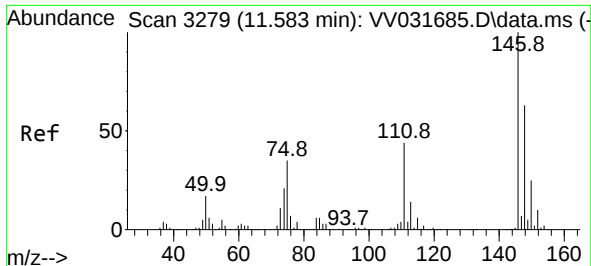
Ion Ratio Lower Upper

146 100

111 41.5 28.3 52.7

148 62.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 51.222 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

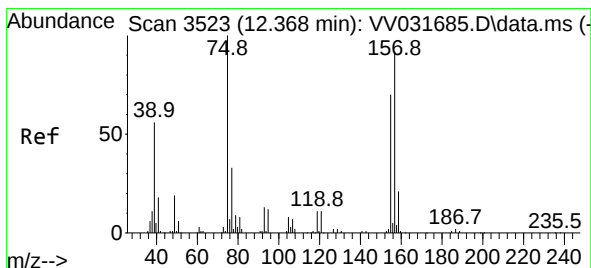
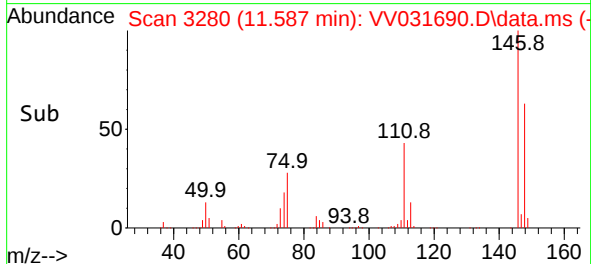
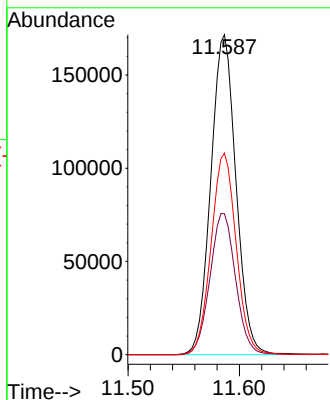
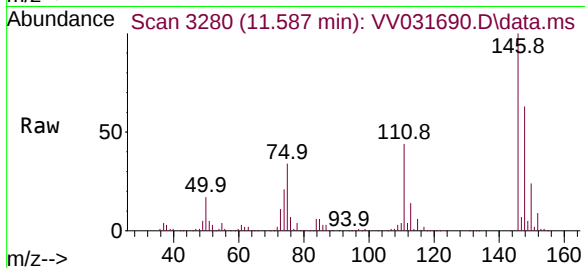
Tgt Ion:146 Resp: 269582

Ion Ratio Lower Upper

146 100

111 44.0 34.8 52.2

148 63.0 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 58.027 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

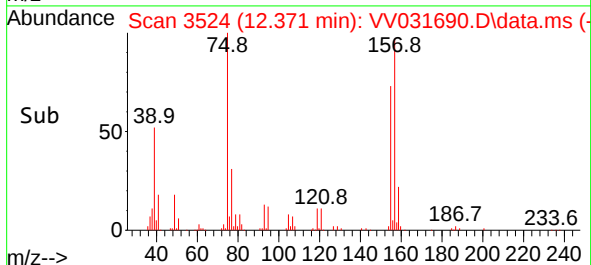
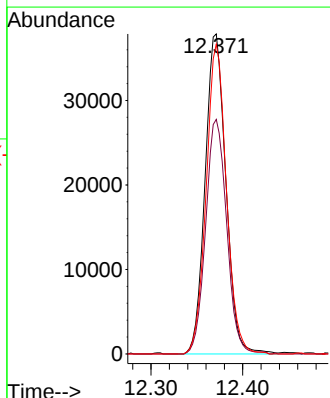
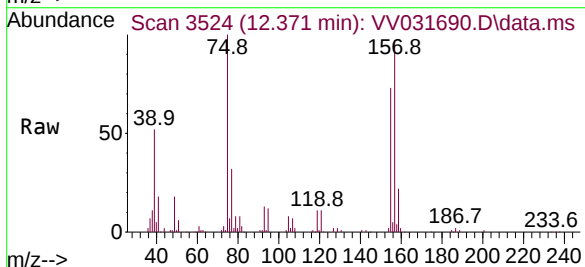
Tgt Ion: 75 Resp: 59580

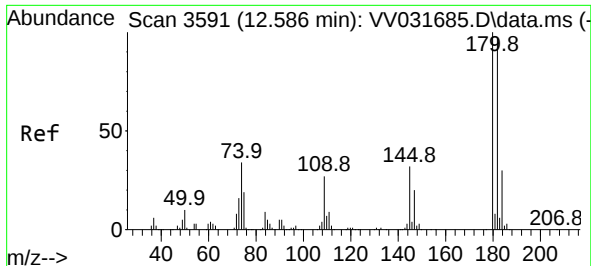
Ion Ratio Lower Upper

75 100

155 73.3 59.9 89.9

157 96.8 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 46.631 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

Tgt Ion:180 Resp: 179261

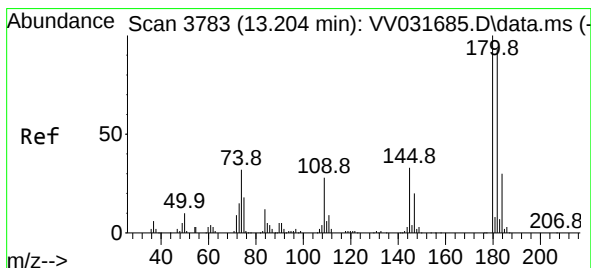
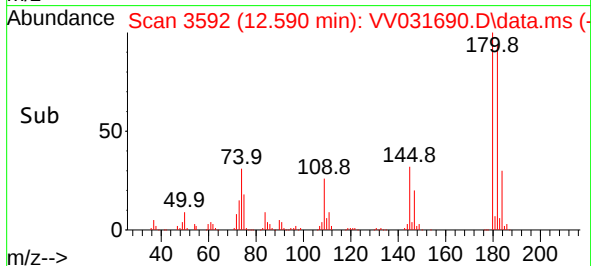
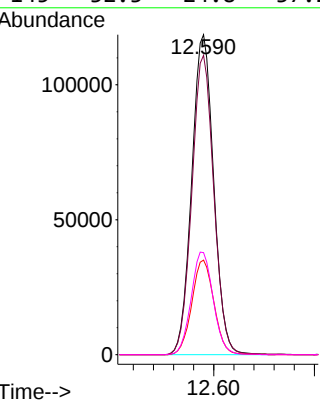
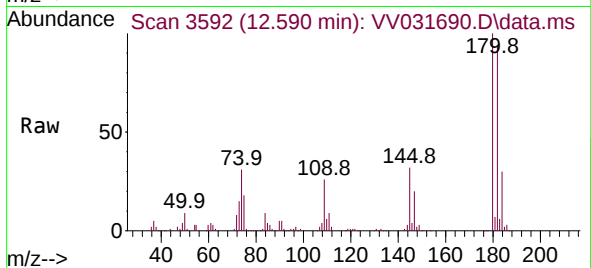
Ion Ratio Lower Upper

180 100

182 93.6 75.5 113.3

184 29.9 23.7 35.5

145 32.3 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 45.785 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

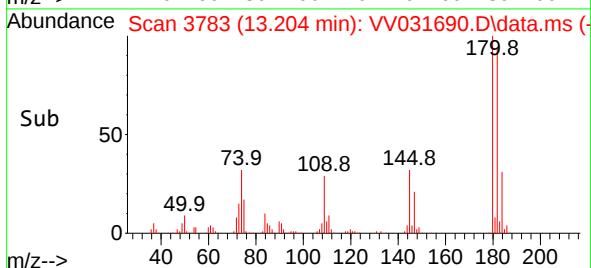
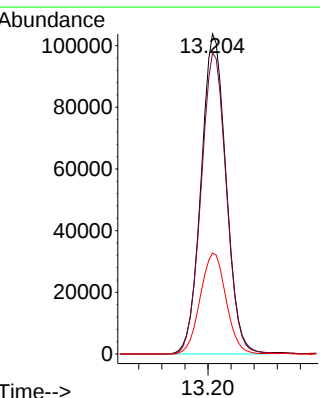
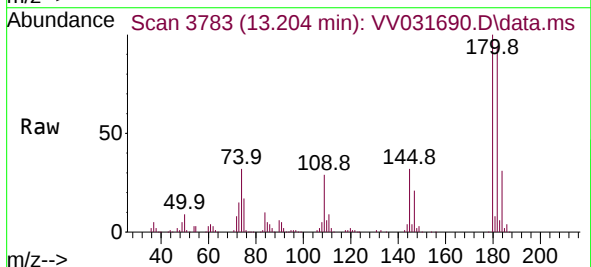
Tgt Ion:180 Resp: 155963

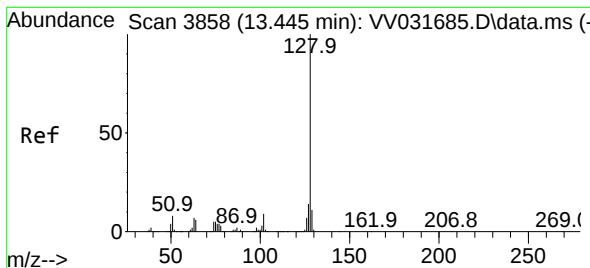
Ion Ratio Lower Upper

180 100

182 95.4 76.6 114.8

145 32.6 25.4 38.2





#71

Naphthalene

Concen: 53.598 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

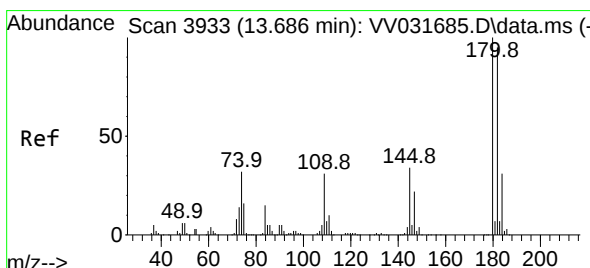
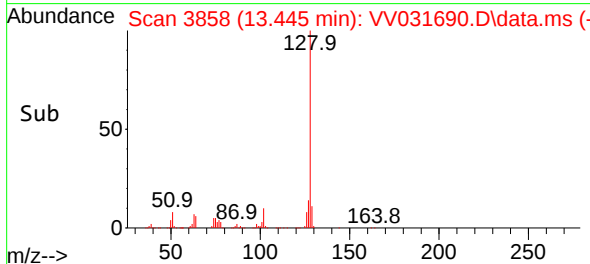
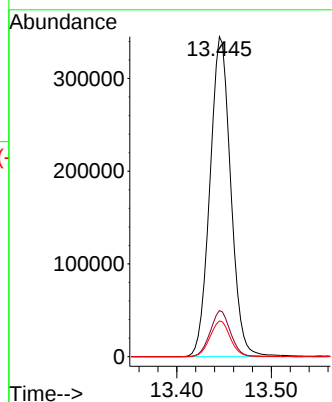
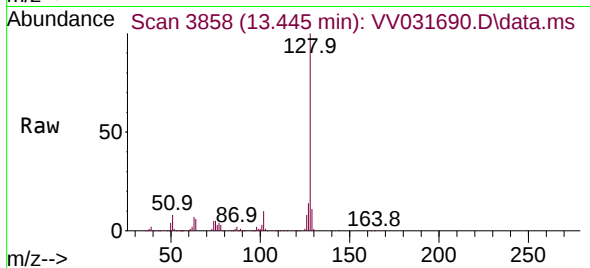
Tgt Ion:128 Resp: 528308

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.734 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031690.D

Acq: 12 Jul 2023 13:00

Tgt Ion:180 Resp: 181196

Ion Ratio Lower Upper

180 100

182 94.2 76.7 115.1

145 34.4 27.7 41.5

