

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031563.D
 Acq On : 16 Jun 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

Quant Time: Jun 17 02:05:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	242828	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	238845	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	148142	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	65439	40.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.980%
7) Chloroethane-d5	1.536	69	59578	42.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.500%
11) 1,1-Dichloroethene-d2	2.066	65	34058	40.890	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.780%
21) 2-Butanone-d5	3.799	46	105826	80.870	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.870%
24) Chloroform-d	4.259	84	173602	42.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.780%
26) 1,2-Dichloroethane-d4	4.947	65	112788	44.539	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.080%
32) Benzene-d6	4.966	84	301978	44.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
36) 1,2-Dichloropropane-d6	5.995	67	104227	43.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.480%
41) Toluene-d8	7.249	98	289087	46.858	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.720%
43) trans-1,3-Dichloroprop...	7.555	79	50877	43.798	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.600%
47) 2-Hexanone-d5	8.030	63	78949	83.915	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	157650	43.832	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.660%
66) 1,2-Dichlorobenzene-d4	11.567	152	121788	43.128	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	121670	47.238	ug/L	100
3) Chloromethane	1.217	50	104868	43.148	ug/L	98
5) Vinyl chloride	1.288	62	108619	45.083	ug/L	99
6) Bromomethane	1.494	94	72147	45.945	ug/L	100
8) Chloroethane	1.555	64	66827	42.945	ug/L	95
9) Trichlorofluoromethane	1.719	101	188276	46.972	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	104266	48.540	ug/L	97
12) 1,1-Dichloroethene	2.076	96	85593	47.638	ug/L	90
13) Acetone	2.127	43	82444	63.847	ug/L	100
14) Carbon disulfide	2.246	76	258288	47.523	ug/L	99
15) Methyl Acetate	2.381	43	98315	45.222	ug/L	99
16) Methylene chloride	2.455	84	99937	44.365	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	87454	46.629	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	291610	46.598	ug/L	99
19) 1,1-Dichloroethane	3.117	63	189731	46.872	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	95141	46.940	ug/L	97
22) 2-Butanone	3.879	43	122794	76.123	ug/L	98
23) Bromochloromethane	4.156	128	54259	49.524	ug/L	95
25) Chloroform	4.285	83	205429	48.820	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031563.D
 Acq On : 16 Jun 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

Quant Time: Jun 17 02:05:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

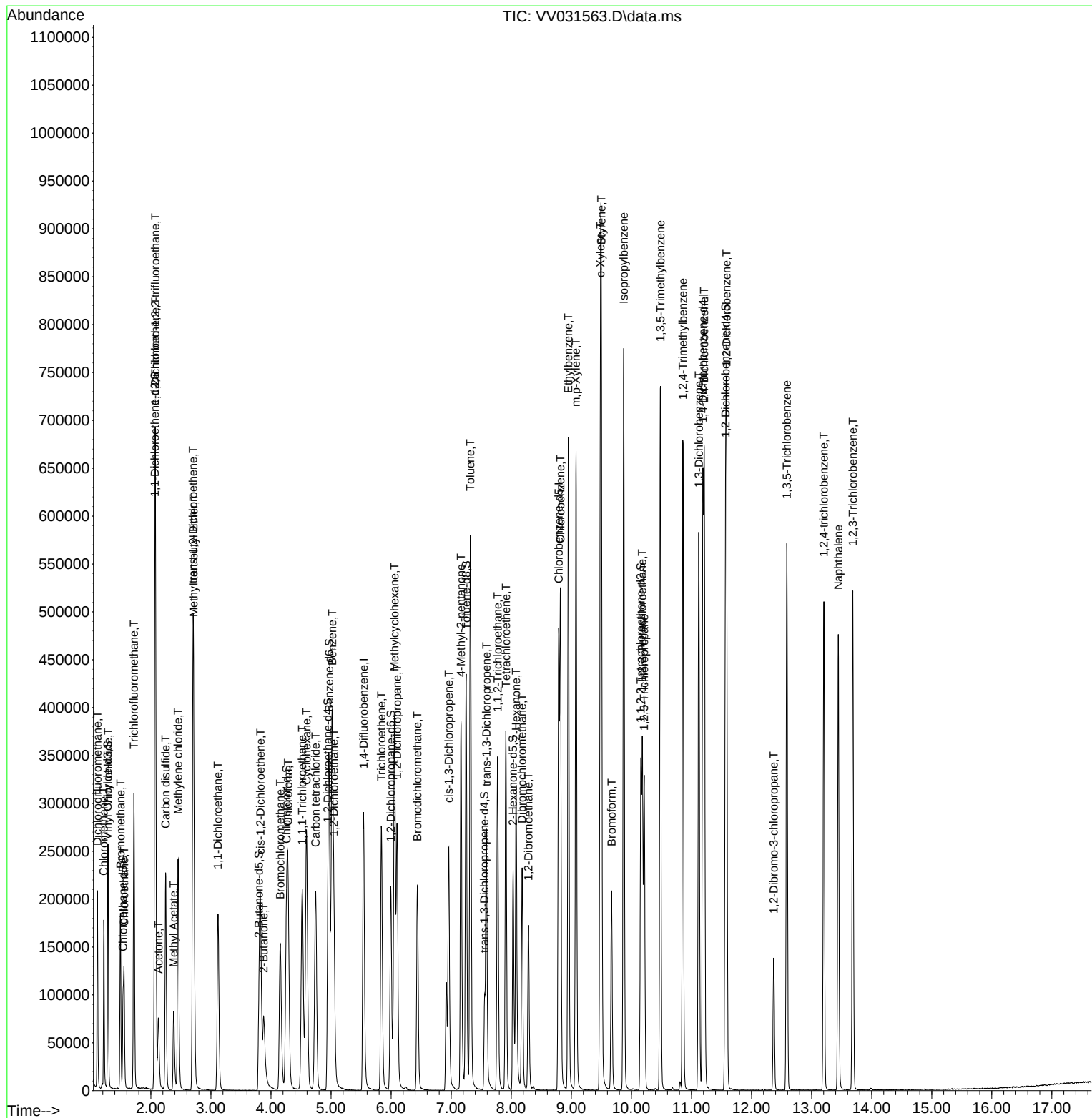
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	155874	47.996	ug/L	98
29) Cyclohexane	4.590	56	144069	46.362	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	184102	48.076	ug/L	98
31) Carbon tetrachloride	4.744	117	167258	49.295	ug/L	99
33) Benzene	5.018	78	391406	49.221	ug/L	100
34) Trichloroethene	5.838	95	102257	48.123	ug/L	98
35) Methylcyclohexane	6.056	83	152204	48.613	ug/L	99
37) 1,2-Dichloropropane	6.098	63	112876	48.339	ug/L	100
38) Bromodichloromethane	6.436	83	148813	47.149	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	162009	46.739	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	255411	93.152	ug/L	99
42) Toluene	7.320	91	423610	51.378	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	163834	48.535	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	107773	48.858	ug/L	98
46) Tetrachloroethene	7.911	164	83841	50.272	ug/L	95
48) 2-Hexanone	8.082	43	198495	90.645	ug/L	99
49) Dibromochloromethane	8.182	129	121013	49.361	ug/L	99
50) 1,2-Dibromoethane	8.288	107	114166	48.607	ug/L	97
51) Chlorobenzene	8.818	112	262225	48.021	ug/L	99
52) Ethylbenzene	8.950	91	456320	49.600	ug/L	100
53) m,p-Xylene	9.079	106	174062	51.664	ug/L	100
54) o-Xylene	9.484	106	160142	50.088	ug/L	98
55) Styrene	9.500	104	303776	53.200	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	172634	47.898	ug/L	97
59) Bromoform	9.670	173	92868	50.573	ug/L #	99
60) Isopropylbenzene	9.873	105	459317	48.634	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	133558	45.645	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	375504	48.106	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	352031	48.402	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	231803	48.955	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	243675	48.294	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	228587	47.831	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	36895	42.484	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	169406	46.954	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	144508	45.694	ug/L	98
71) Naphthalene	13.445	128	347712	43.407	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151492	46.097	ug/L	97

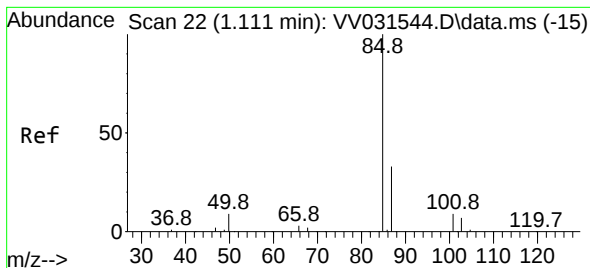
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061623\
 Data File : VV031563.D
 Acq On : 16 Jun 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

Quant Time: Jun 17 02:05:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

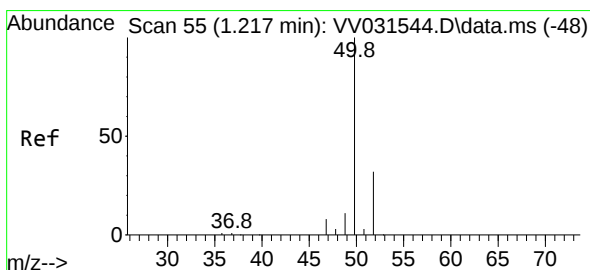
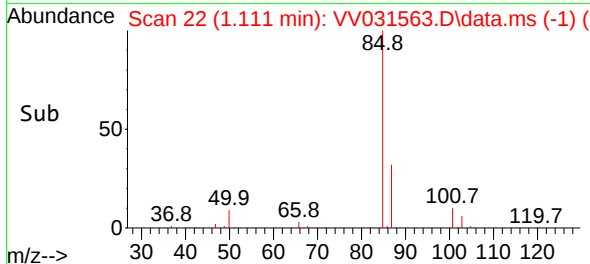
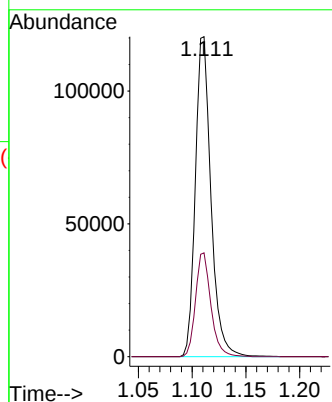
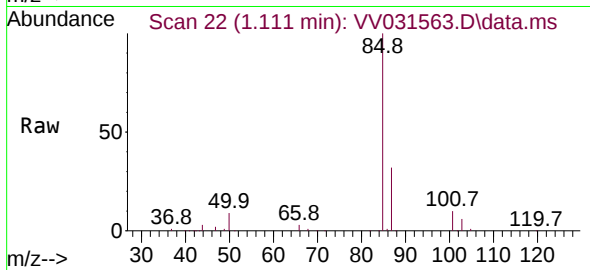




#2
 Dichlorodifluoromethane
 Concen: 47.238 ug/L
 RT: 1.111 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

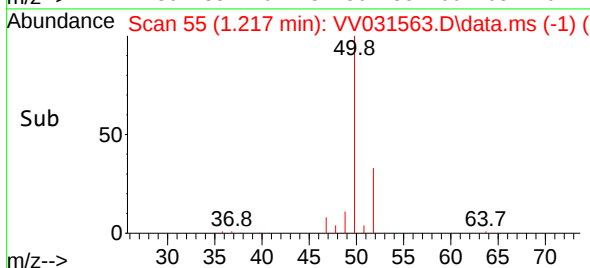
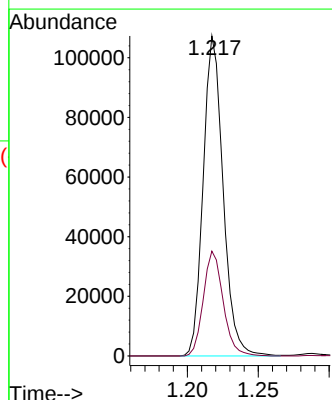
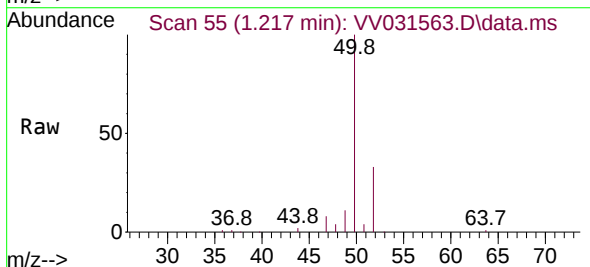
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

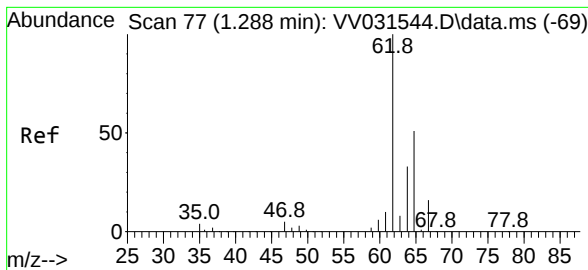
Tgt Ion: 85 Resp: 121670
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.5 38.3



#3
 Chloromethane
 Concen: 43.148 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

Tgt Ion: 50 Resp: 104868
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5

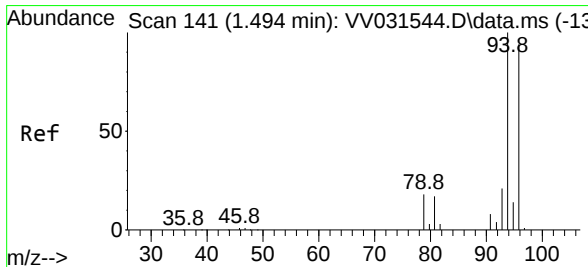
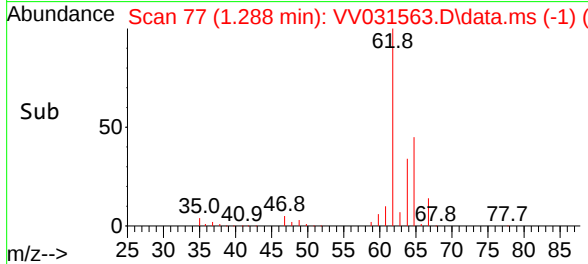
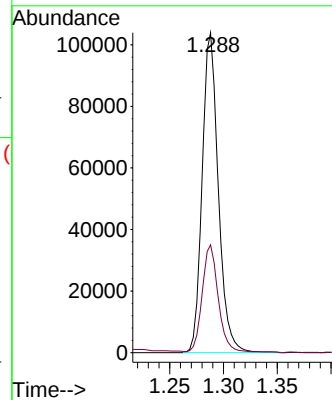
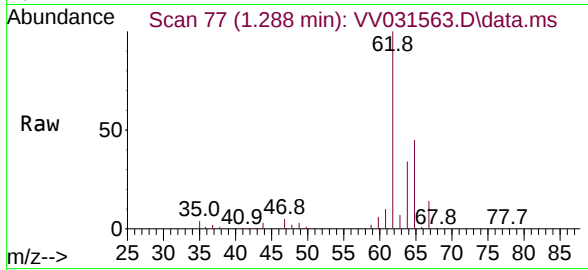




#5
 Vinyl chloride
 Concen: 45.083 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

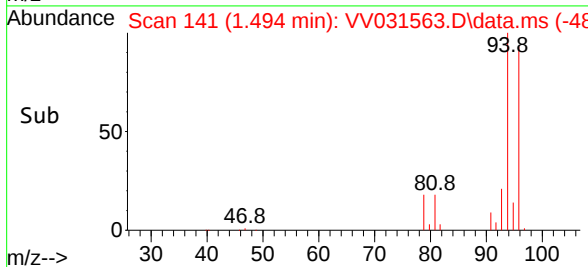
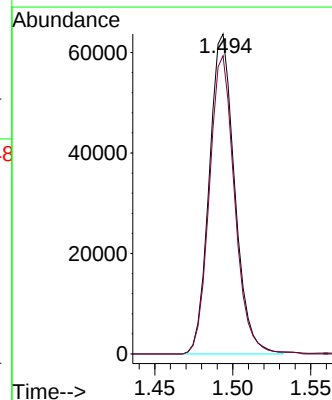
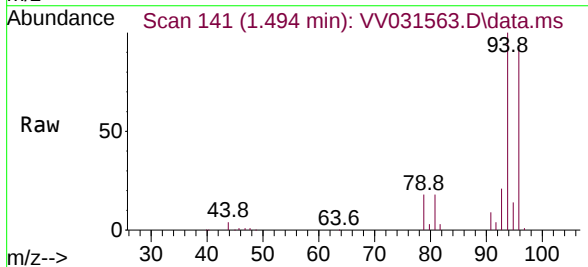
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

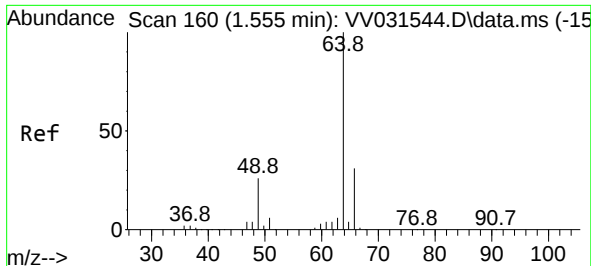
Tgt Ion: 62 Resp: 108619
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.4 43.4



#6
 Bromomethane
 Concen: 45.945 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

Tgt Ion: 94 Resp: 72147
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.4 121.4

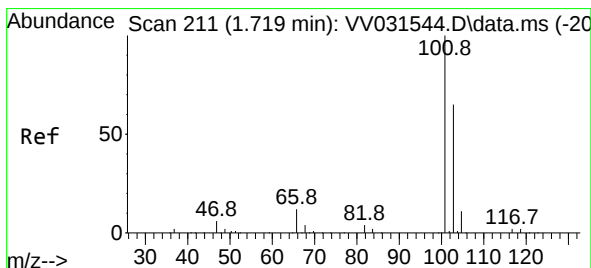
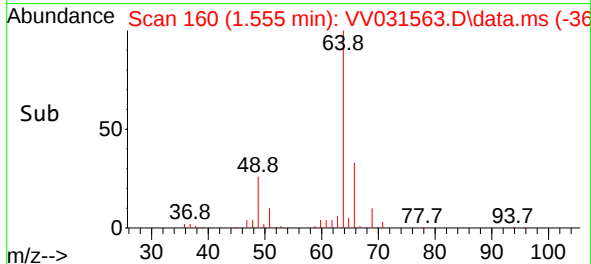
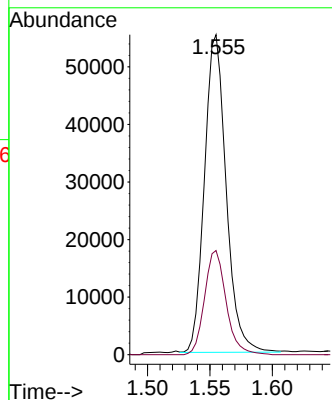
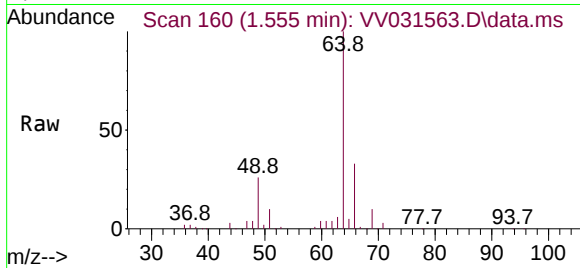




#8
Chloroethane
Concen: 42.945 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

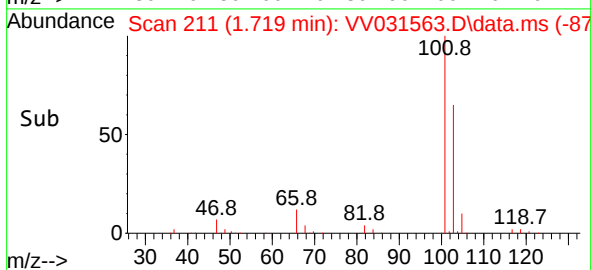
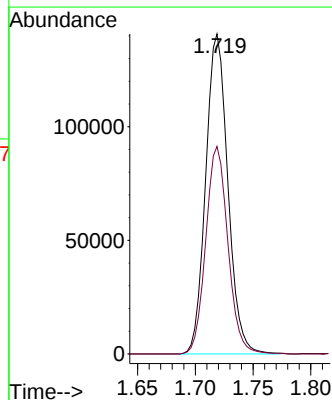
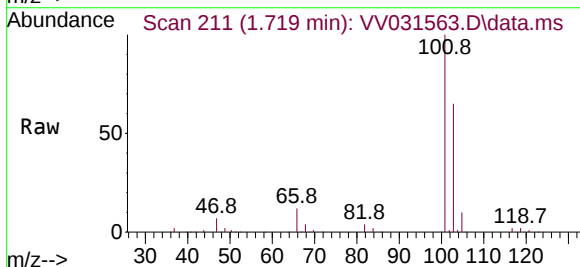
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

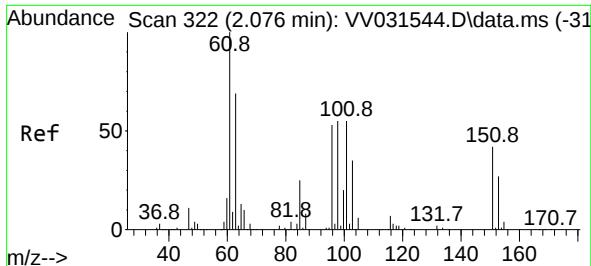
Tgt Ion: 64 Resp: 66827
Ion Ratio Lower Upper
64 100
66 32.6 21.0 39.0



#9
Trichlorofluoromethane
Concen: 46.972 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion:101 Resp: 188276
Ion Ratio Lower Upper
101 100
103 64.8 50.9 76.3





#10

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

Concen: 48.540 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

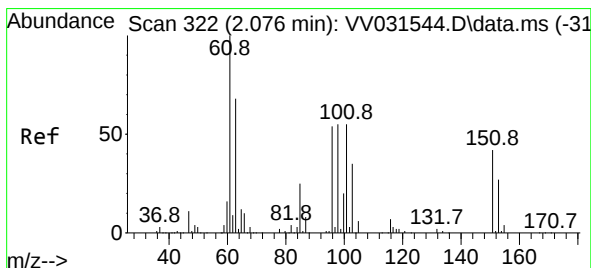
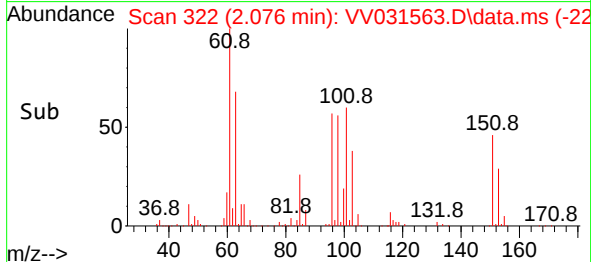
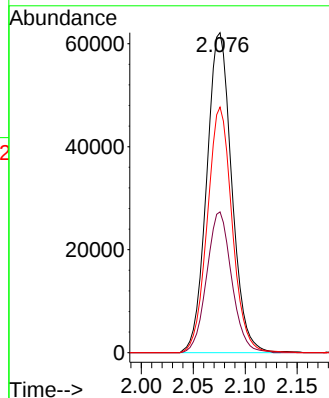
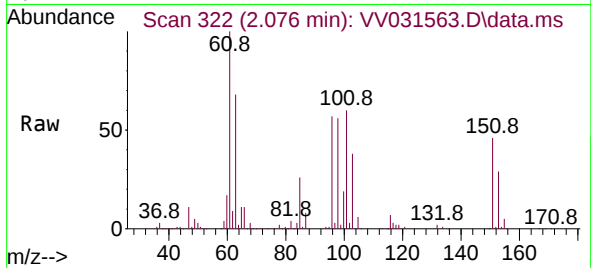
Tgt Ion:101 Resp: 104266

Ion Ratio Lower Upper

101 100

85 43.8 37.4 56.0

151 76.1 62.3 93.5



#12

1,1-Dichloroethene

Concen: 47.638 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

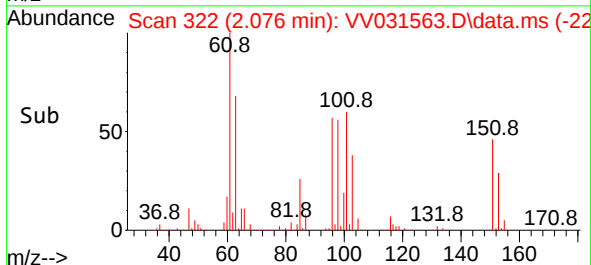
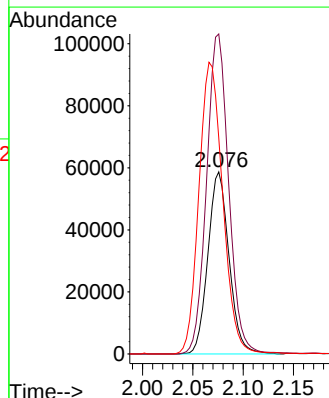
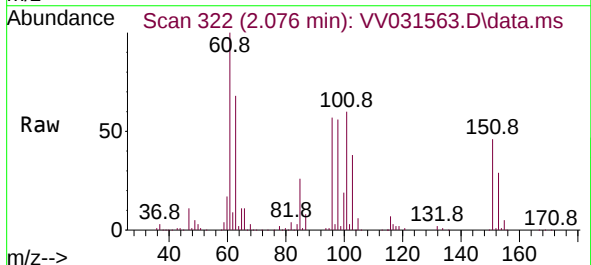
Tgt Ion: 96 Resp: 85593

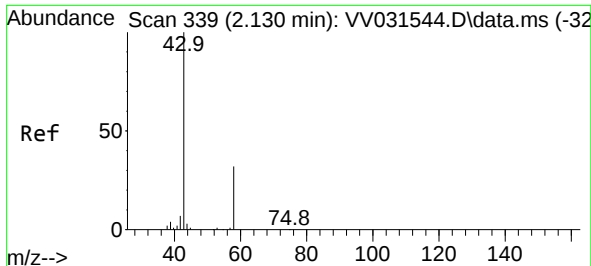
Ion Ratio Lower Upper

96 100

61 175.7 128.9 239.5

63 118.7 95.3 177.1





#13

Acetone

Concen: 63.847 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

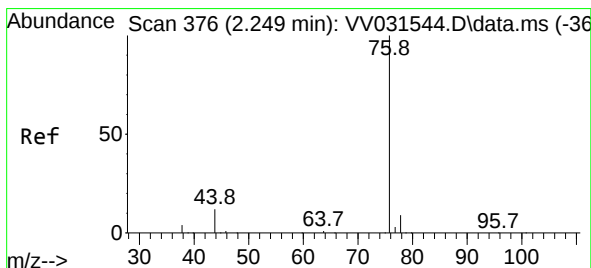
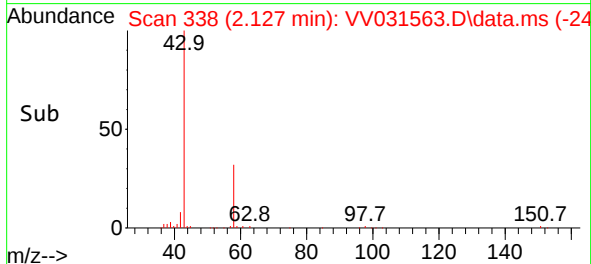
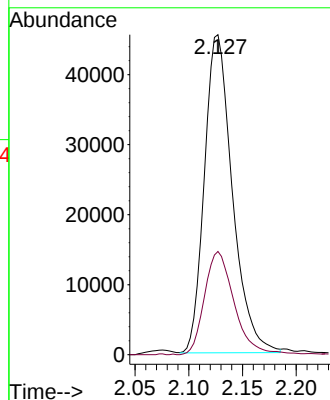
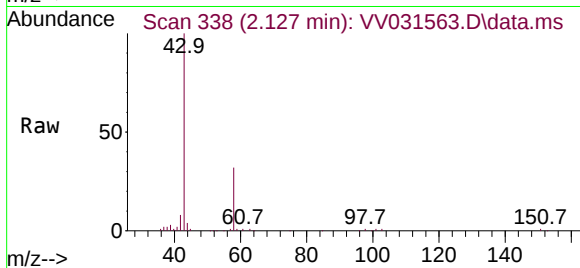
VSTD050374

Tgt Ion: 43 Resp: 82444

Ion Ratio Lower Upper

43 100

58 34.4 0.0 68.6



#14

Carbon disulfide

Concen: 47.523 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV031563.D

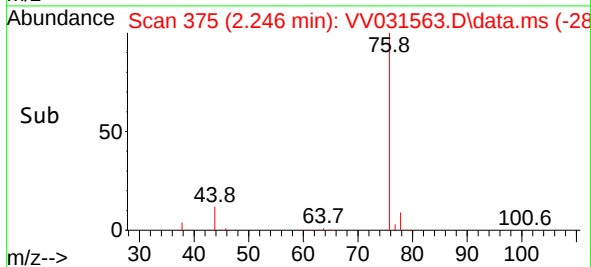
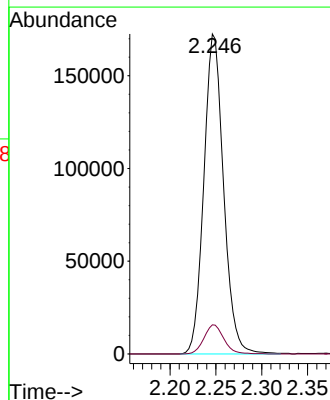
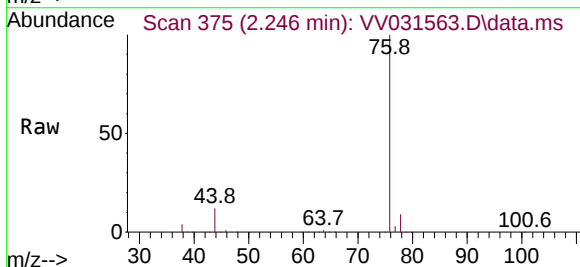
Acq: 16 Jun 2023 09:38

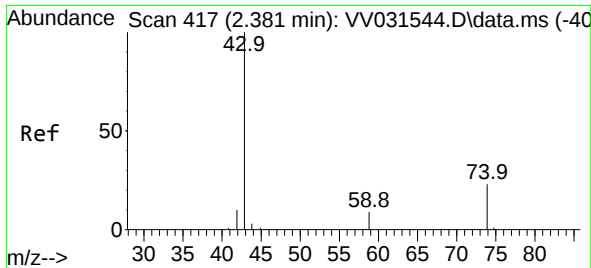
Tgt Ion: 76 Resp: 258288

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

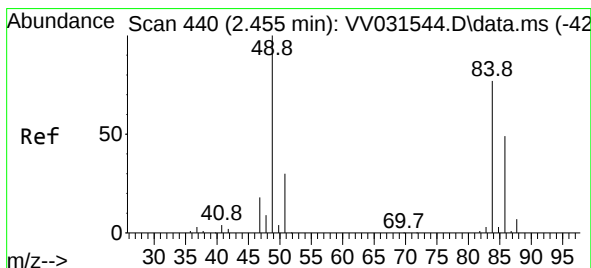
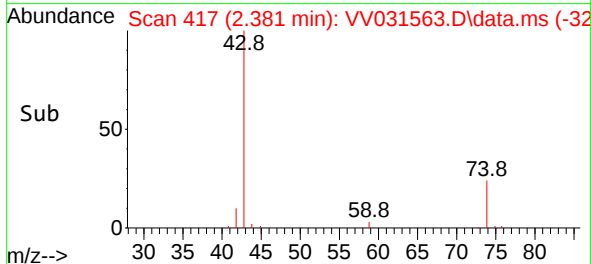
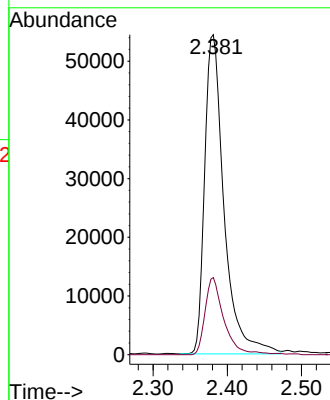
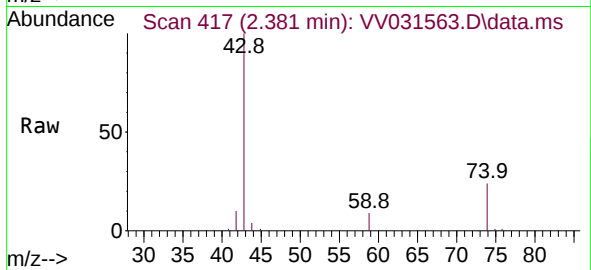




#15
Methyl Acetate
Concen: 45.222 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

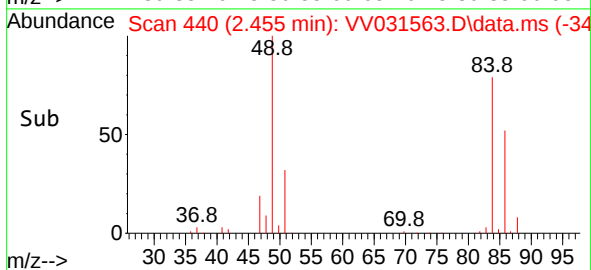
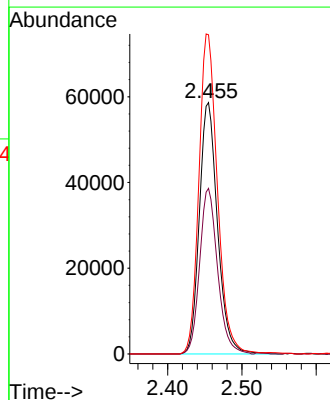
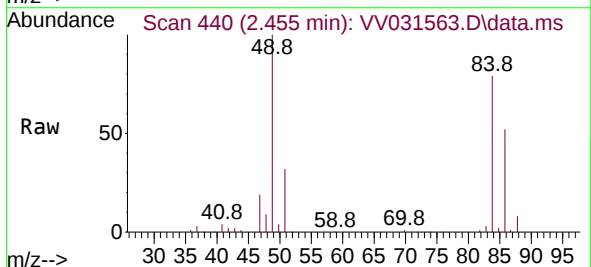
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

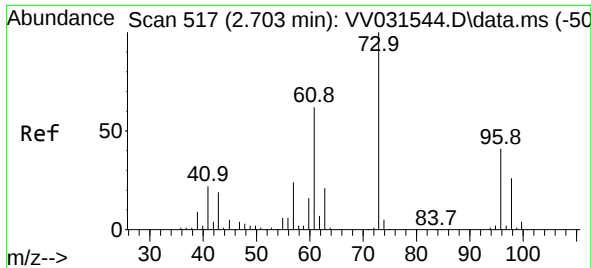
Tgt Ion: 43 Resp: 98315
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6



#16
Methylene chloride
Concen: 44.365 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 84 Resp: 99937
Ion Ratio Lower Upper
84 100
86 67.0 45.8 85.0
49 127.0 92.1 171.1

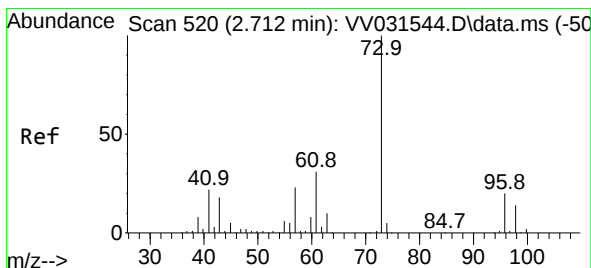
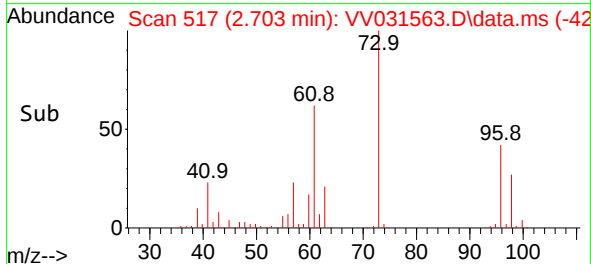
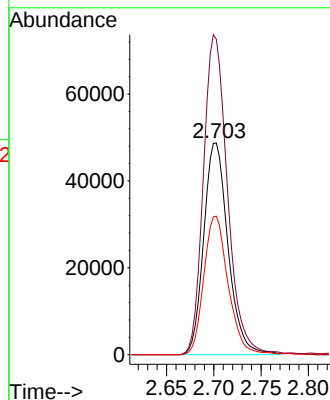
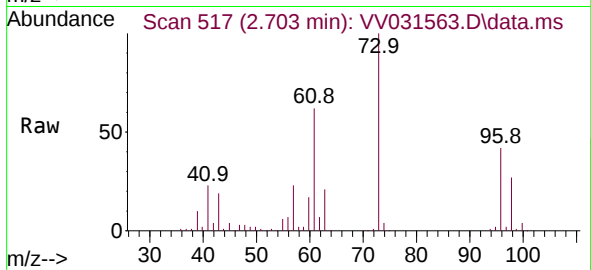




#17
 trans-1,2-Dichloroethene
 Concen: 46.629 ug/L
 RT: 2.703 min Scan# 517
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

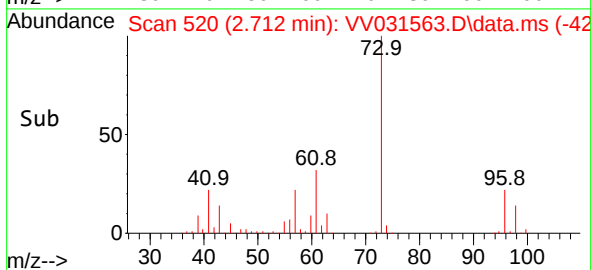
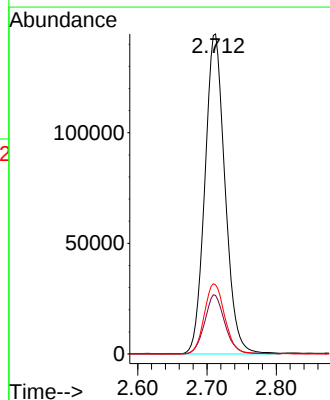
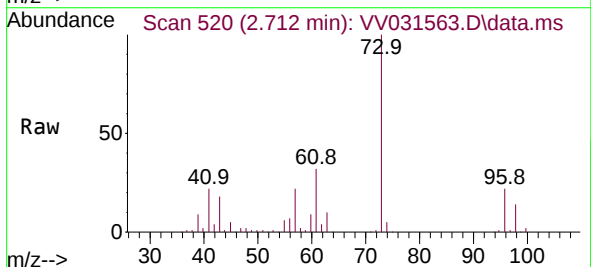
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

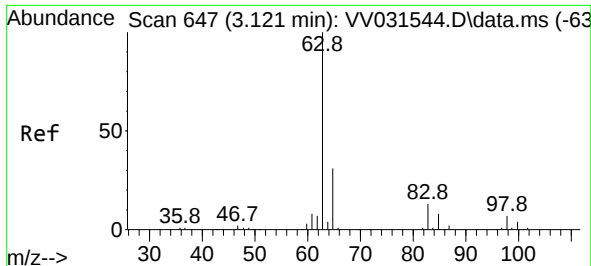
Tgt Ion: 96 Resp: 87454
 Ion Ratio Lower Upper
 96 100
 61 149.0 102.5 190.3
 98 67.3 44.1 81.9



#18
 Methyl tert-butyl Ether
 Concen: 46.598 ug/L
 RT: 2.712 min Scan# 520
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

Tgt Ion: 73 Resp: 291610
 Ion Ratio Lower Upper
 73 100
 43 18.4 15.0 22.4
 57 22.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 46.872 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

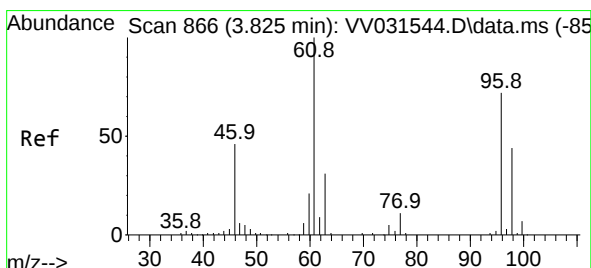
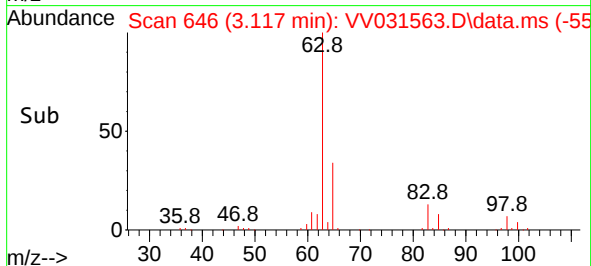
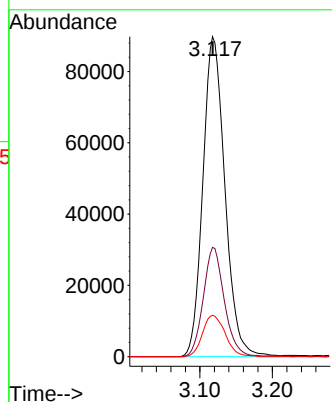
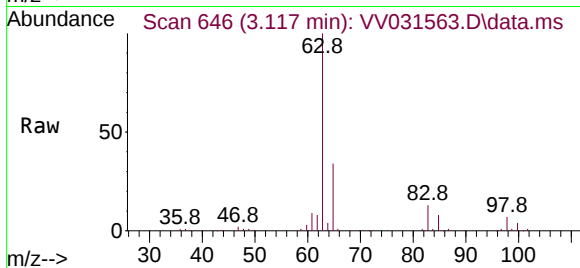
Tgt Ion: 63 Resp: 189731

Ion Ratio Lower Upper

63 100

65 34.9 22.5 41.7

83 13.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 46.940 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

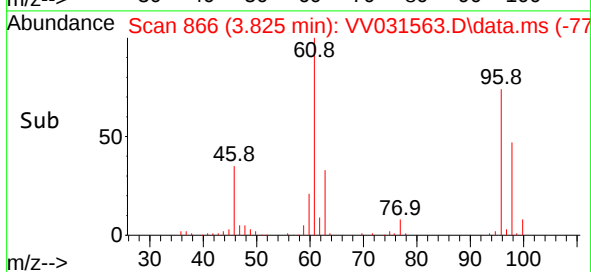
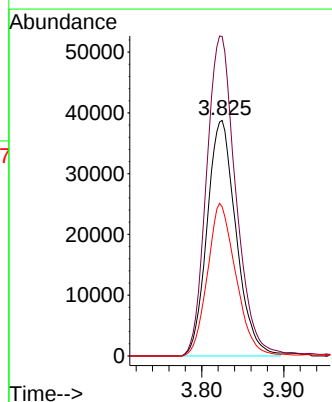
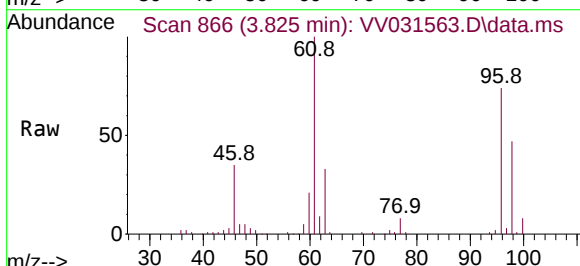
Tgt Ion: 96 Resp: 95141

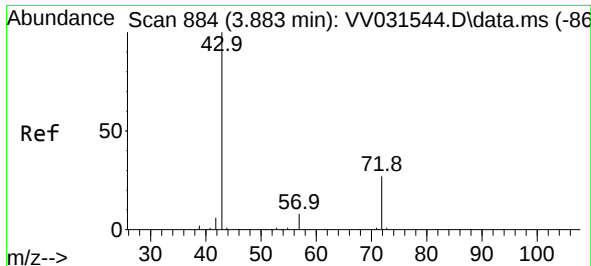
Ion Ratio Lower Upper

96 100

61 135.6 98.6 183.0

98 64.8 45.7 84.9

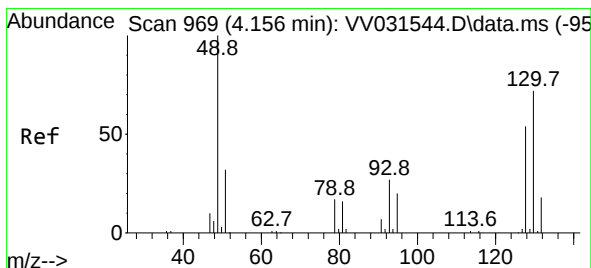
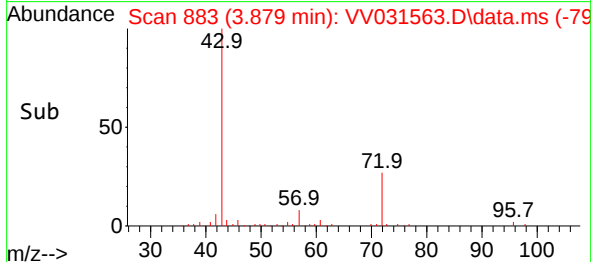
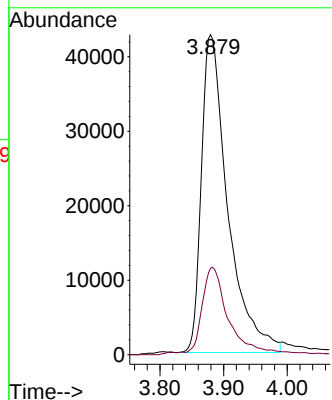
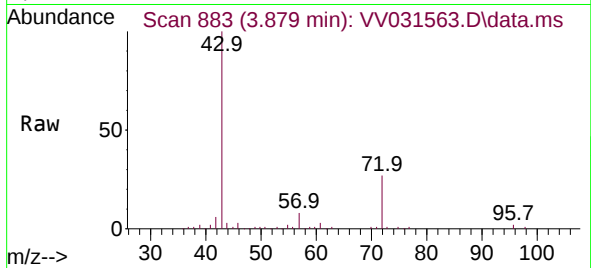




#22
2-Butanone
Concen: 76.123 ug/L
RT: 3.879 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

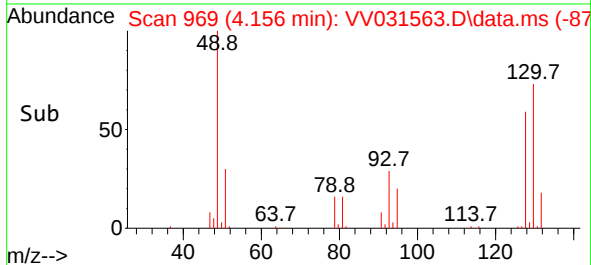
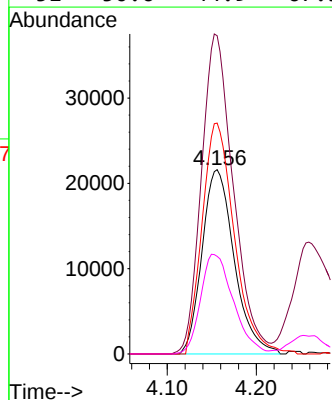
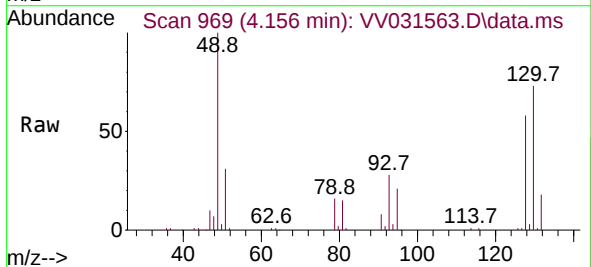
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

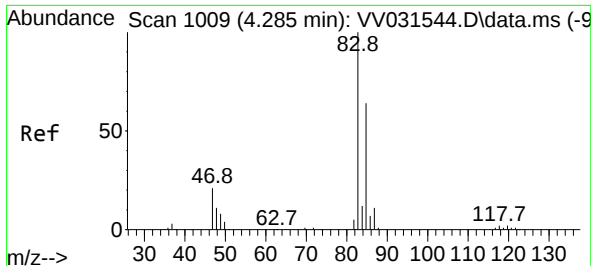
Tgt Ion: 43 Resp: 122794
Ion Ratio Lower Upper
43 100
72 25.1 12.2 36.4



#23
Bromochloromethane
Concen: 49.524 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion:128 Resp: 54259
Ion Ratio Lower Upper
128 100
49 165.1 120.6 224.0
130 122.2 88.1 163.7
51 50.6 44.9 67.3





#25

Chloroform

Concen: 48.820 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

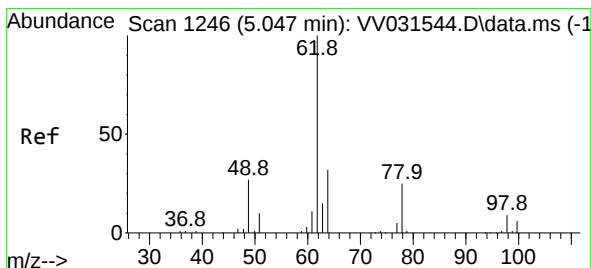
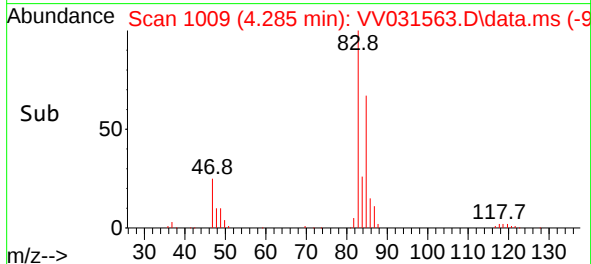
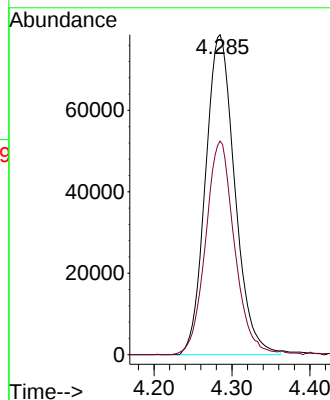
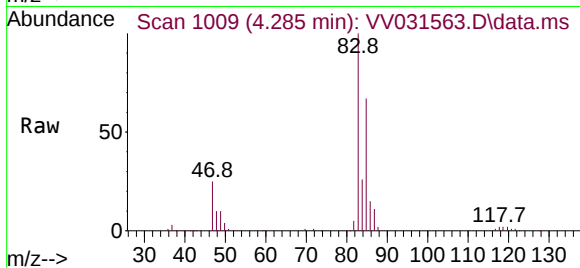
VSTD050374

Tgt Ion: 83 Resp: 205429

Ion Ratio Lower Upper

83 100

85 66.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 47.996 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031563.D

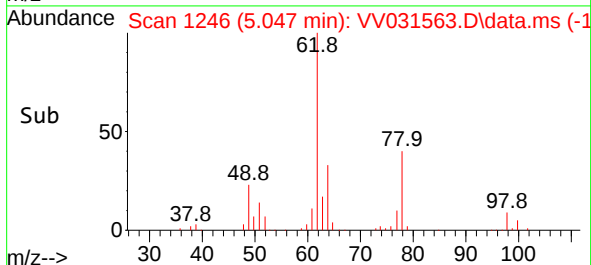
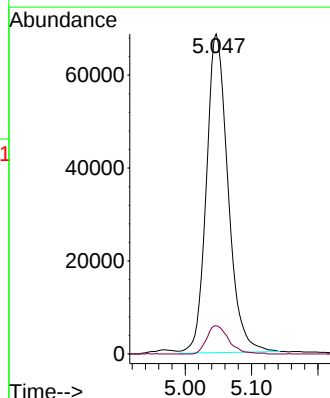
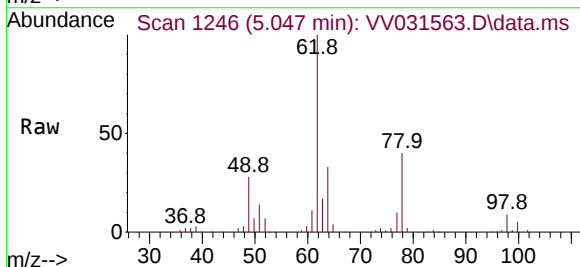
Acq: 16 Jun 2023 09:38

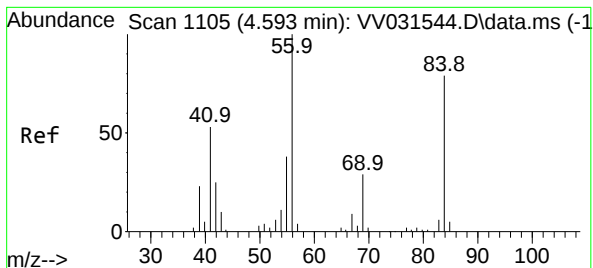
Tgt Ion: 62 Resp: 155874

Ion Ratio Lower Upper

62 100

98 8.8 6.6 9.8





#29

Cyclohexane

Concen: 46.362 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

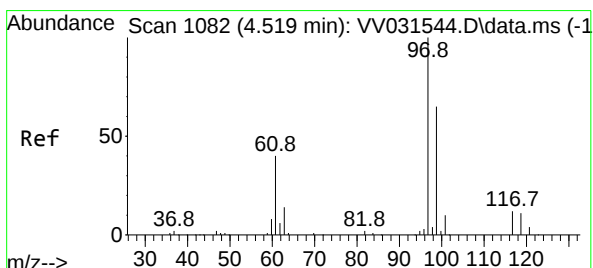
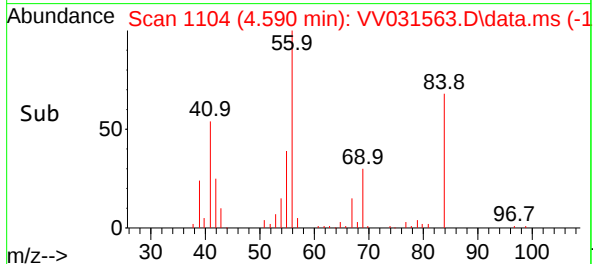
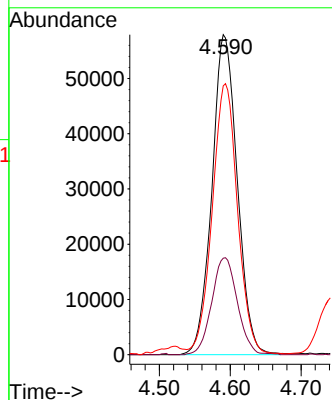
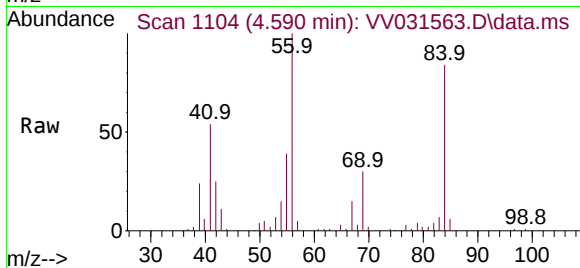
Tgt Ion: 56 Resp: 144069

Ion Ratio Lower Upper

56 100

69 30.7 24.3 36.5

84 83.8 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 48.076 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

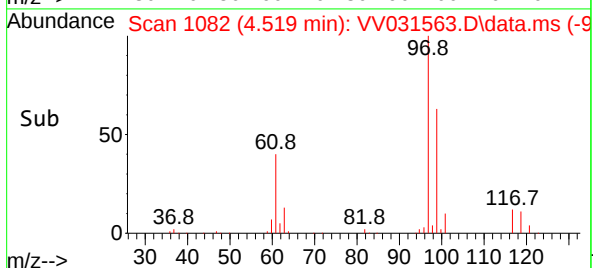
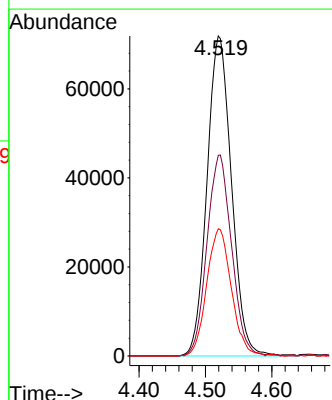
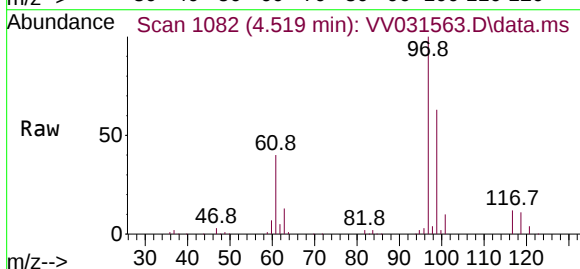
Tgt Ion: 97 Resp: 184102

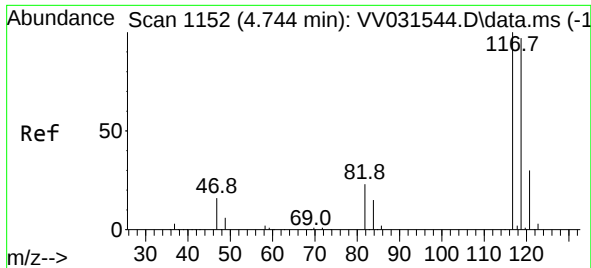
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 40.0 33.0 49.6

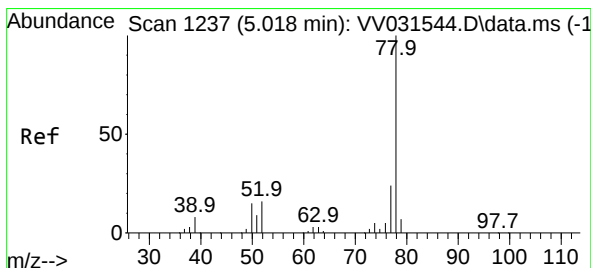
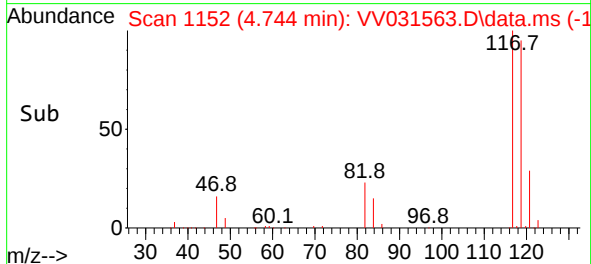
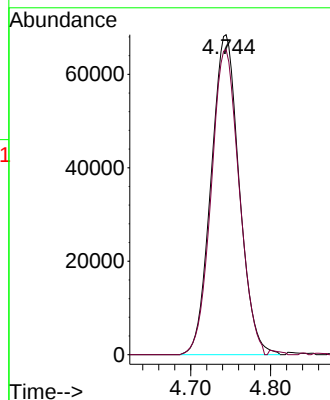
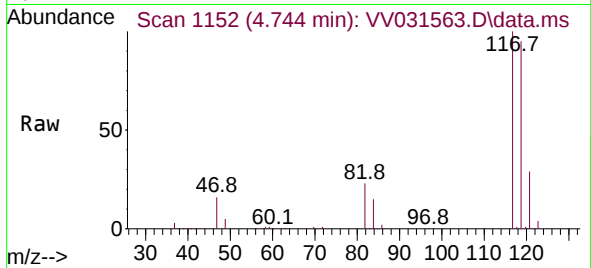




#31
Carbon tetrachloride
Concen: 49.295 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

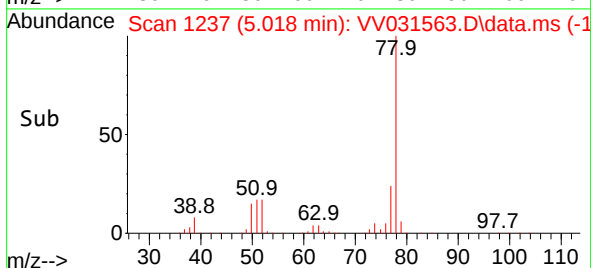
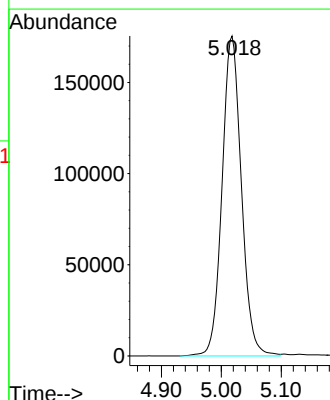
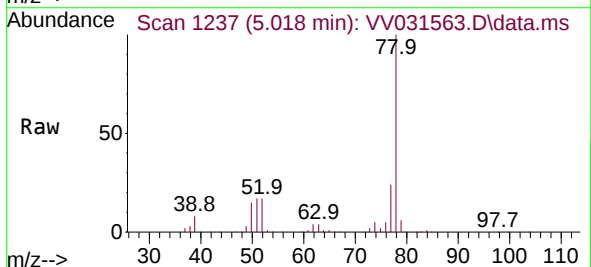
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

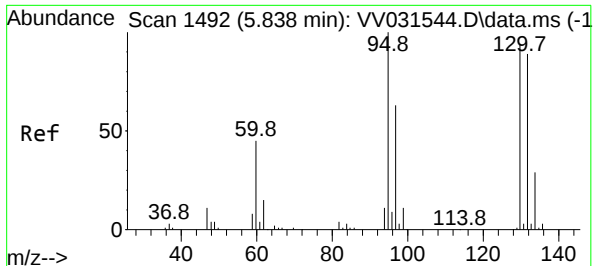
Tgt Ion:117 Resp: 167258
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.4



#33
Benzene
Concen: 49.221 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 78 Resp: 391406

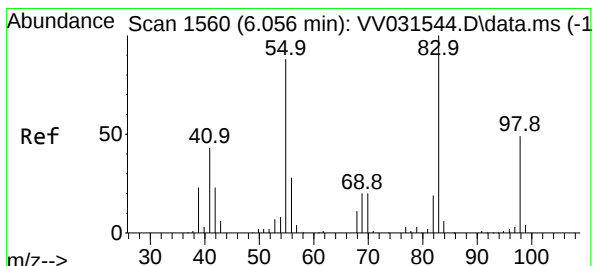
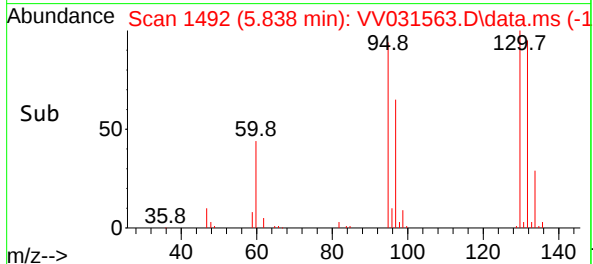
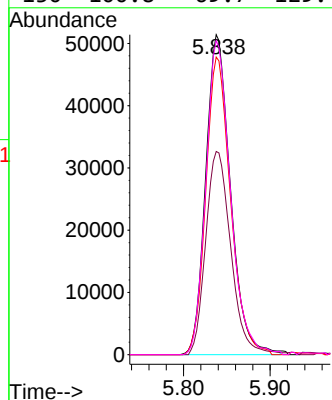
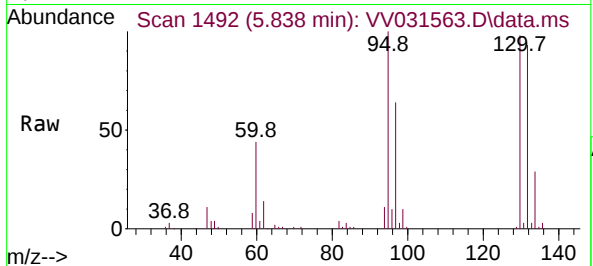




#34
Trichloroethene
Concen: 48.123 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

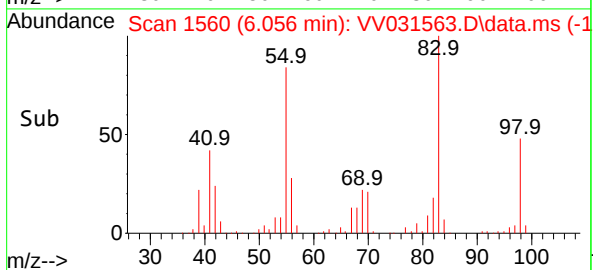
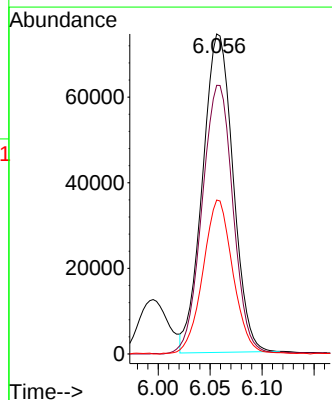
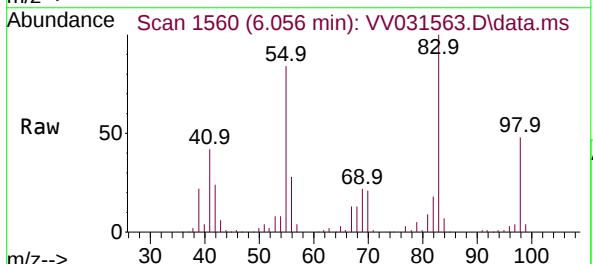
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

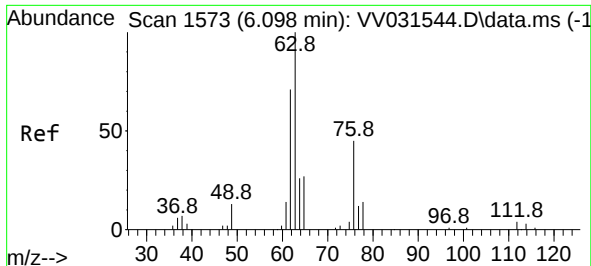
Tgt Ion: 95 Resp: 102257
Ion Ratio Lower Upper
95 100
97 63.5 46.8 86.8
132 93.0 66.4 123.2
130 100.8 69.7 129.4



#35
Methylcyclohexane
Concen: 48.613 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 83 Resp: 152204
Ion Ratio Lower Upper
83 100
55 85.6 68.7 103.1
98 47.6 37.0 55.4





#37

1,2-Dichloropropane

Concen: 48.339 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

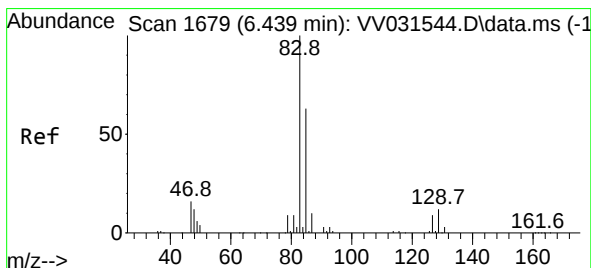
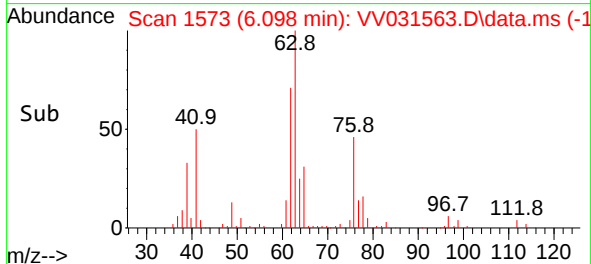
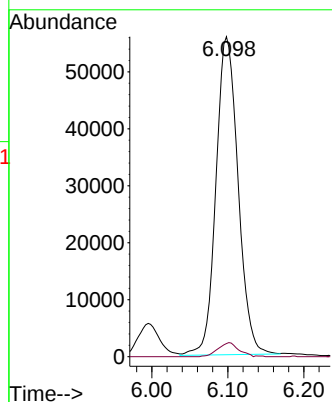
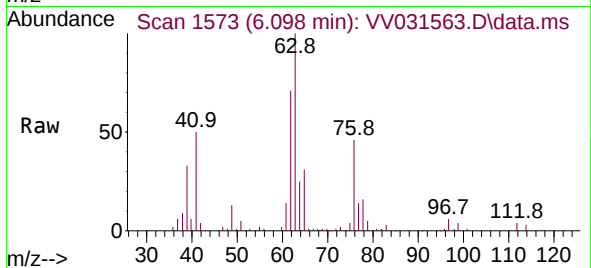
VSTD050374

Tgt Ion: 63 Resp: 112876

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 47.149 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

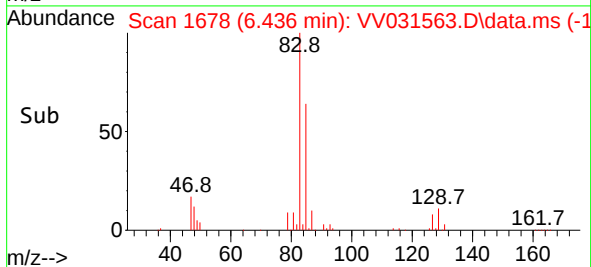
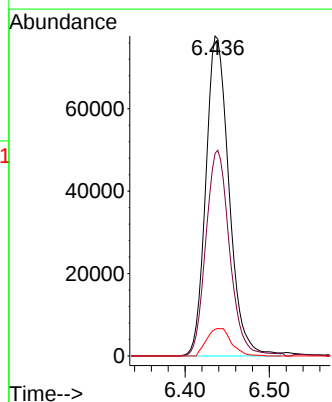
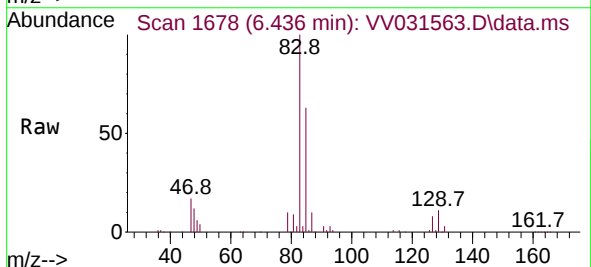
Tgt Ion: 83 Resp: 148813

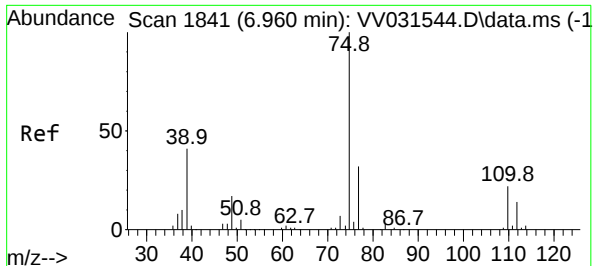
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

127 8.4 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 46.739 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

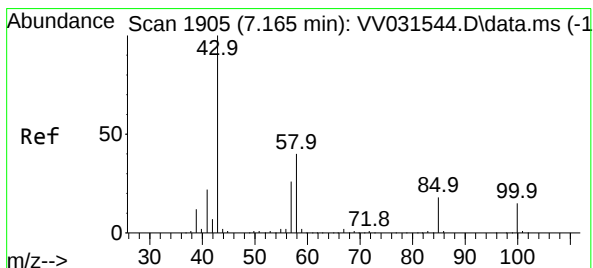
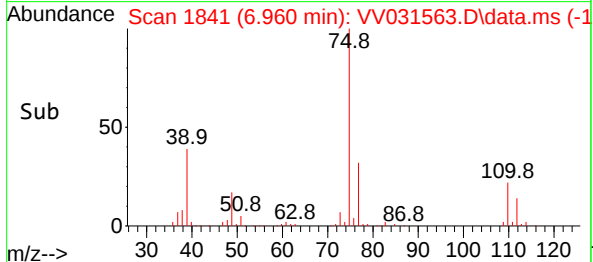
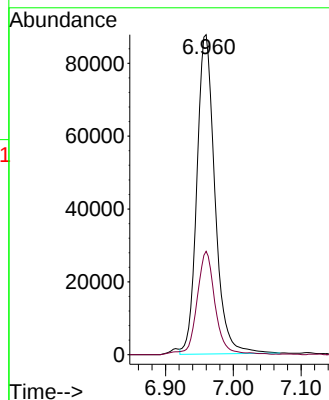
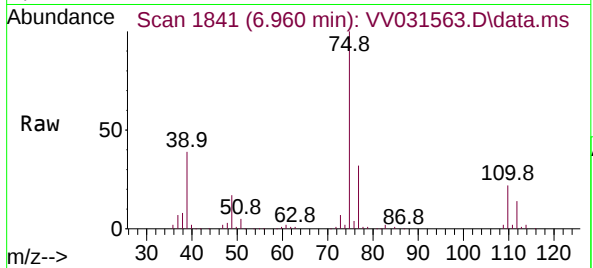
VSTD050374

Tgt Ion: 75 Resp: 162009

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 93.152 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

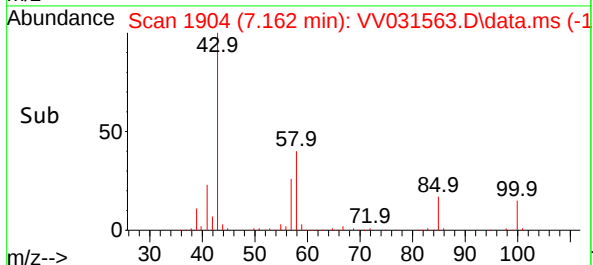
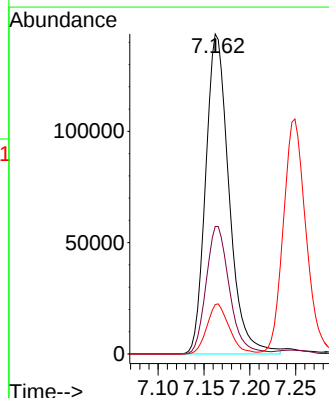
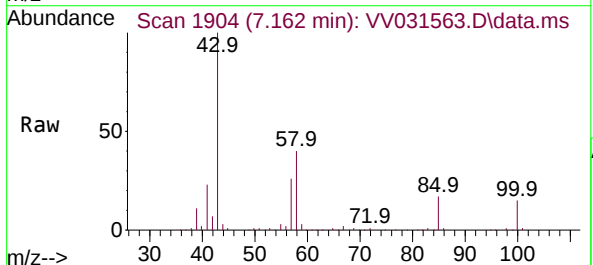
Tgt Ion: 43 Resp: 255411

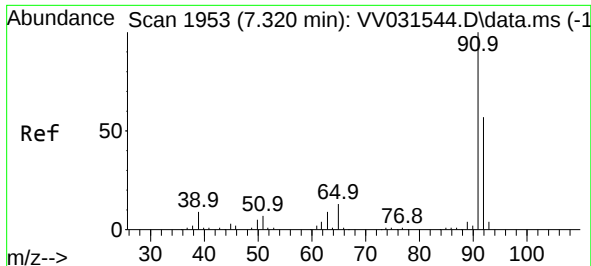
Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8

100 14.9 11.1 16.7





#42

Toluene

Concen: 51.378 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

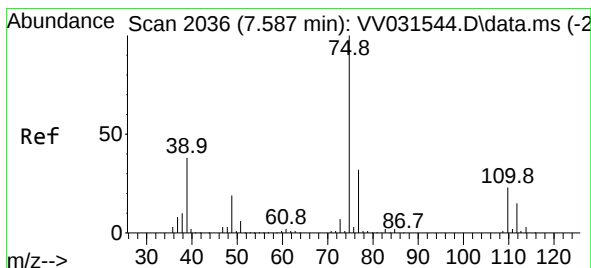
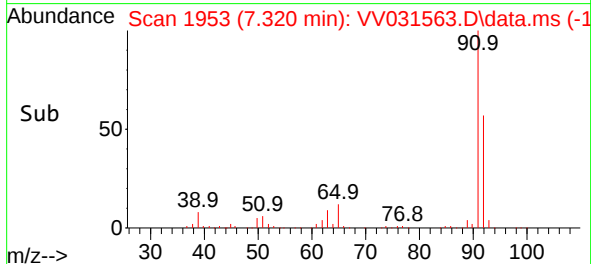
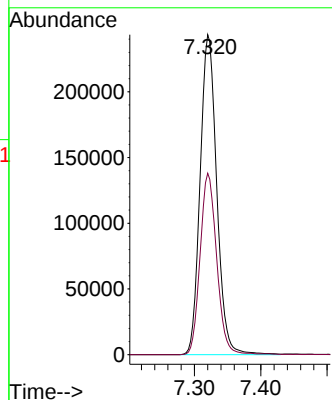
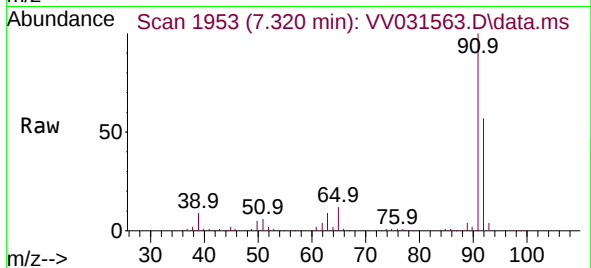
VSTD050374

Tgt Ion: 91 Resp: 423610

Ion Ratio Lower Upper

91 100

92 56.7 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.535 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031563.D

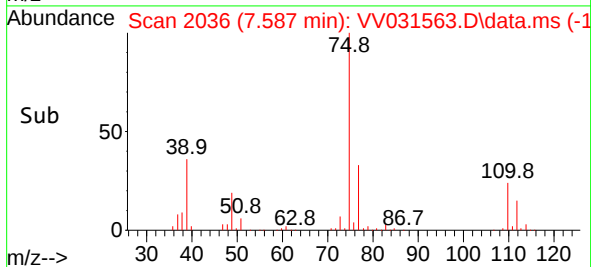
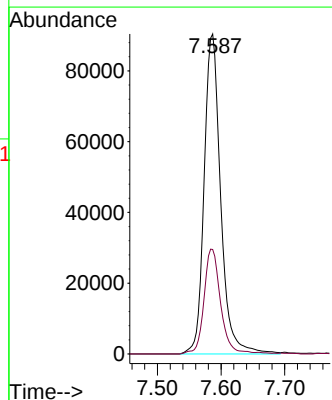
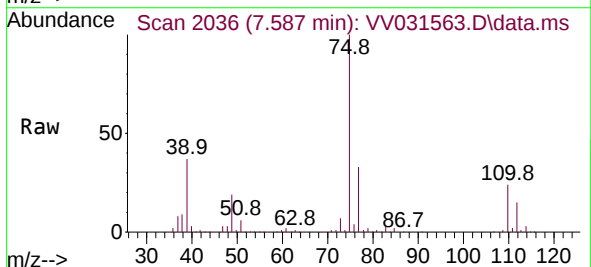
Acq: 16 Jun 2023 09:38

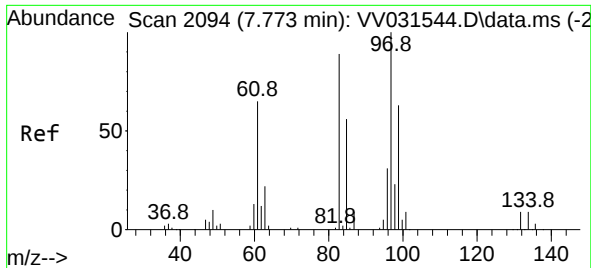
Tgt Ion: 75 Resp: 163834

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



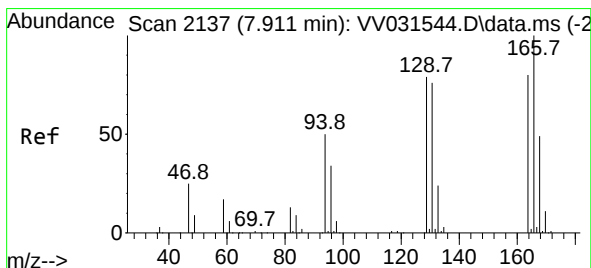
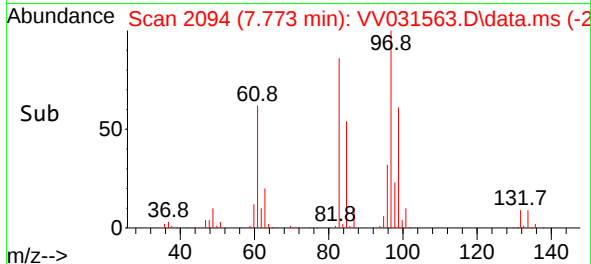
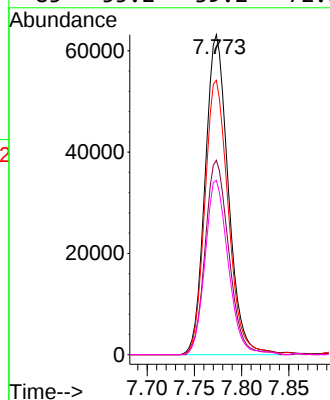
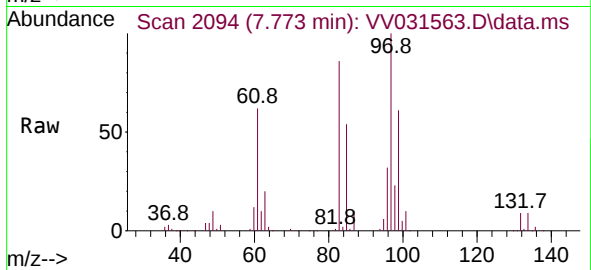


#45
1,1,2-Trichloroethane
Concen: 48.858 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

Tgt Ion: 97 Resp: 107773

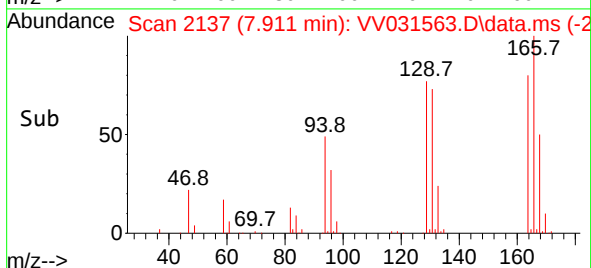
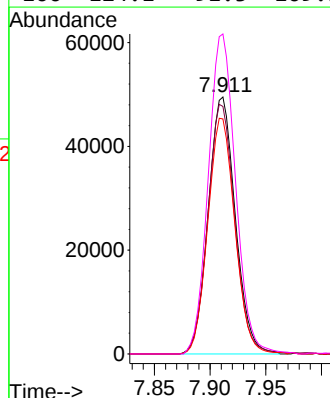
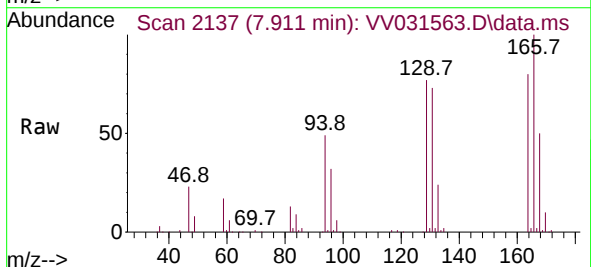
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.7	81.1
83	85.8	60.9	113.1
85	55.2	39.2	72.8

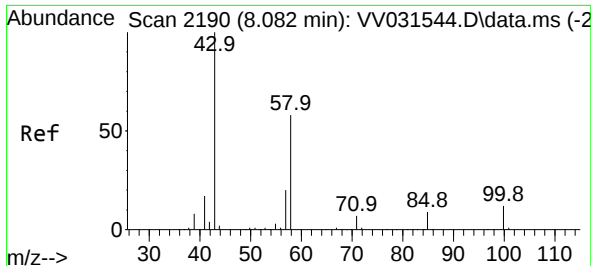


#46
Tetrachloroethene
Concen: 50.272 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 164 Resp: 83841

Ion	Ratio	Lower	Upper
164	100		
129	93.7	68.4	127.0
131	91.0	67.6	125.6
166	124.1	91.3	169.5



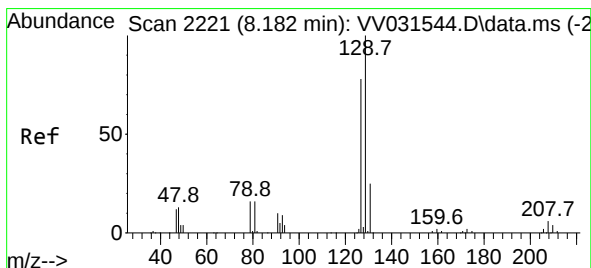
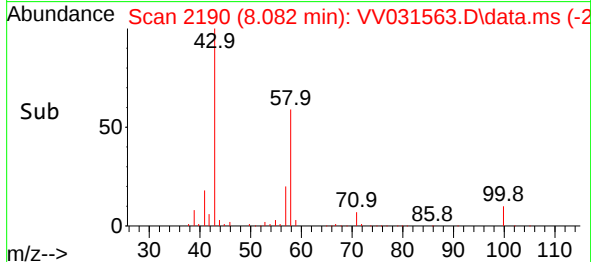
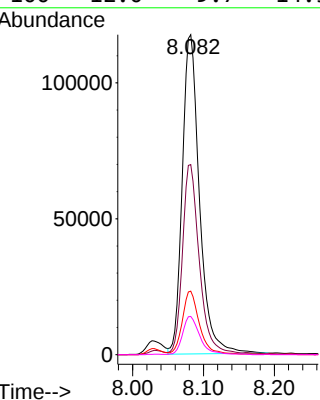
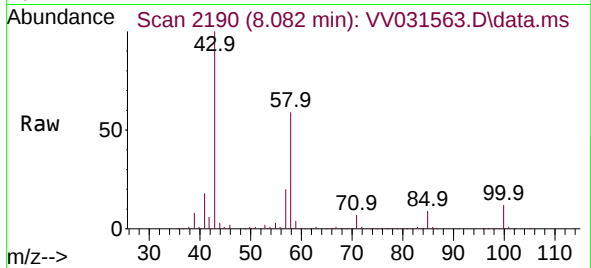


#48
2-Hexanone
Concen: 90.645 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

Tgt Ion: 43 Resp: 198495

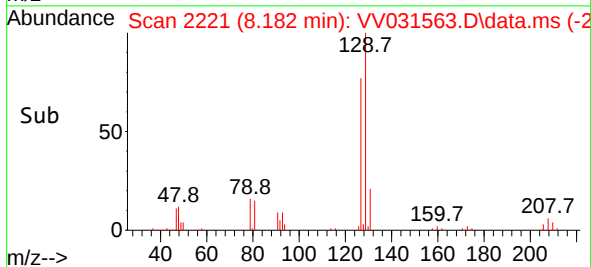
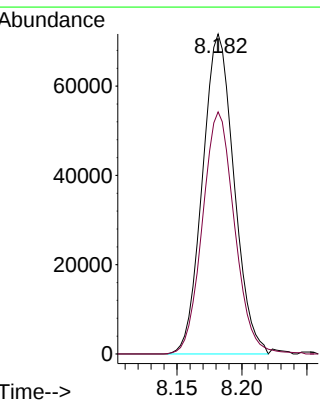
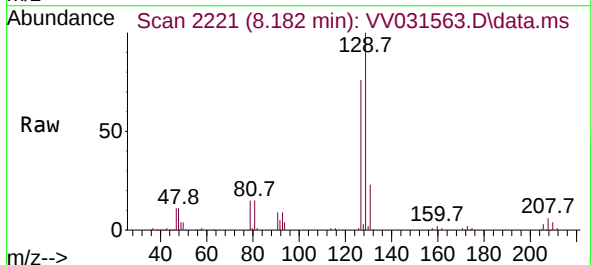
Ion	Ratio	Lower	Upper
43	100		
58	57.2	46.7	70.1
57	19.4	15.5	23.3
100	12.0	9.7	14.5

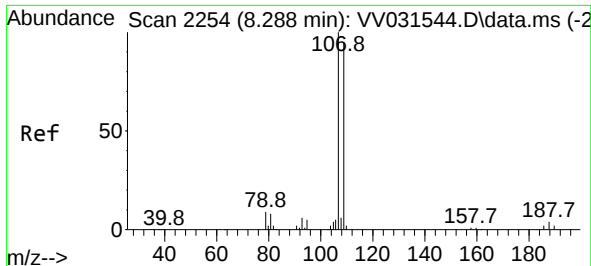


#49
Dibromochloromethane
Concen: 49.361 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 129 Resp: 121013

Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.8	103.6

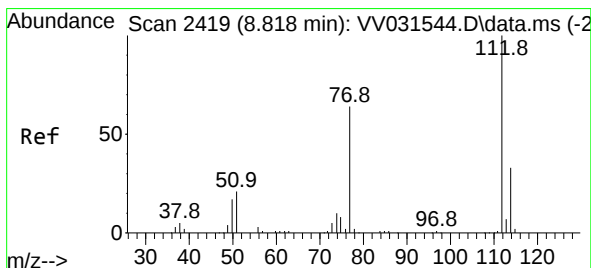
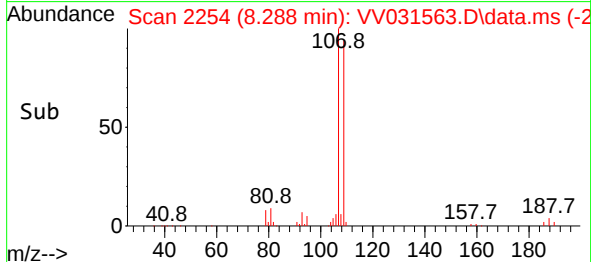
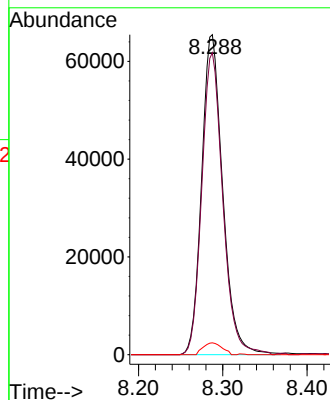
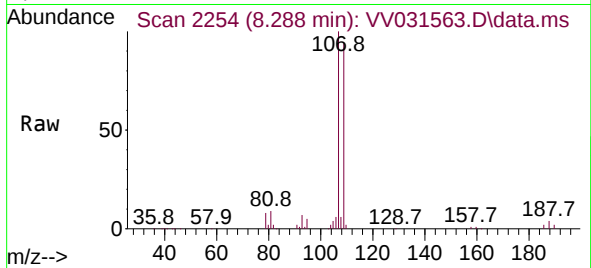




#50
1,2-Dibromoethane
Concen: 48.607 ug/L
RT: 8.288 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

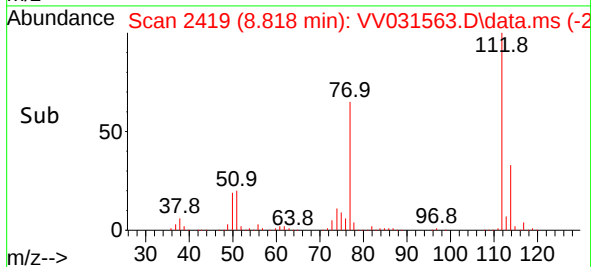
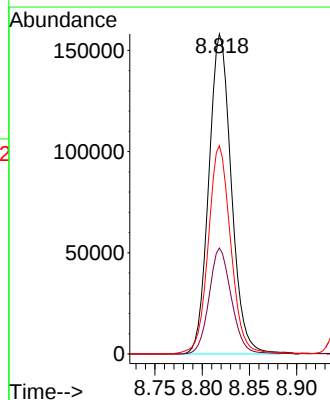
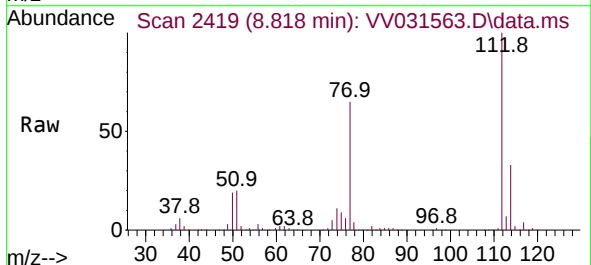
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

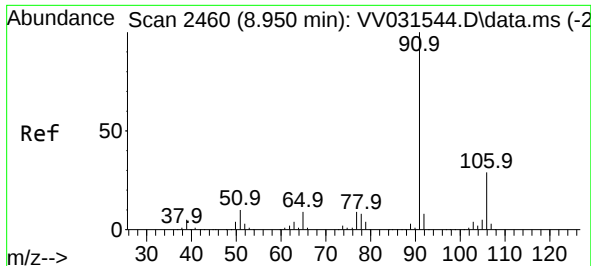
Tgt Ion:107 Resp: 114166
Ion Ratio Lower Upper
107 100
109 90.9 65.7 122.1
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 48.021 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion:112 Resp: 262225
Ion Ratio Lower Upper
112 100
114 33.1 22.9 42.5
77 65.1 52.5 78.7





#52

Ethylbenzene

Concen: 49.600 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

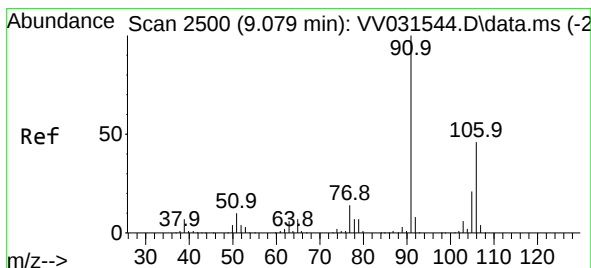
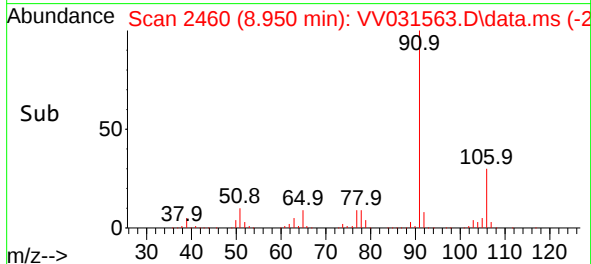
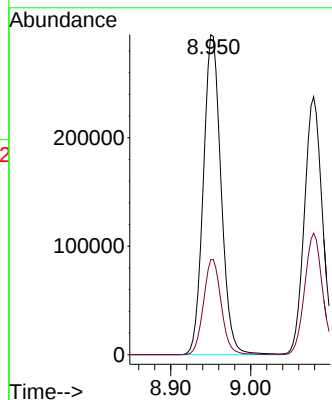
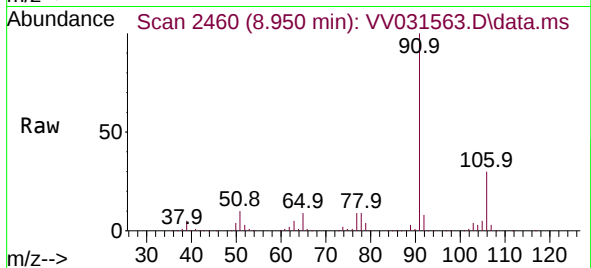
VSTD050374

Tgt Ion: 91 Resp: 456320

Ion Ratio Lower Upper

91 100

106 29.7 20.8 38.6



#53

m,p-Xylene

Concen: 51.664 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031563.D

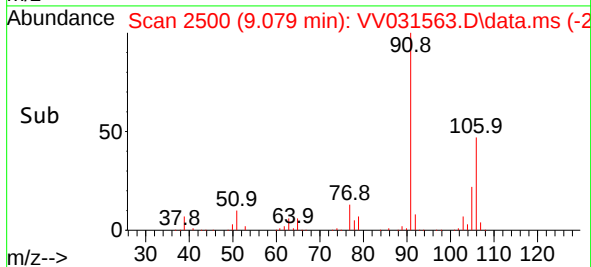
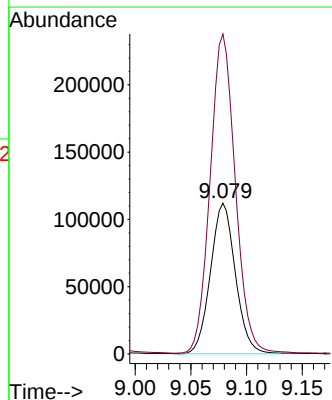
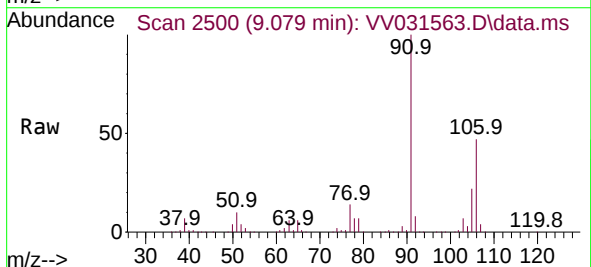
Acq: 16 Jun 2023 09:38

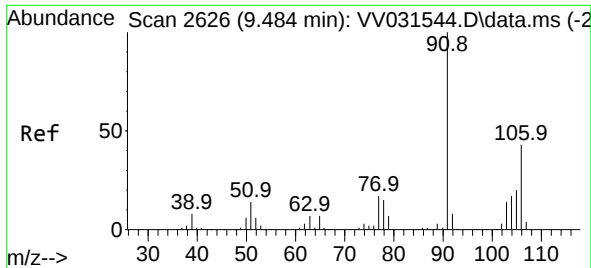
Tgt Ion: 106 Resp: 174062

Ion Ratio Lower Upper

106 100

91 212.3 149.0 276.6

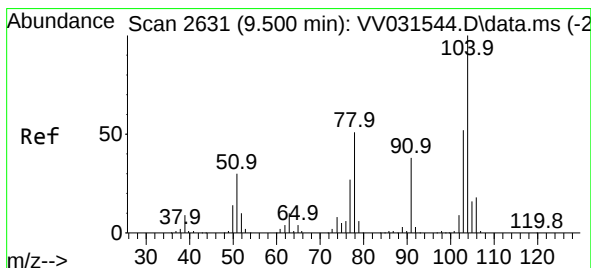
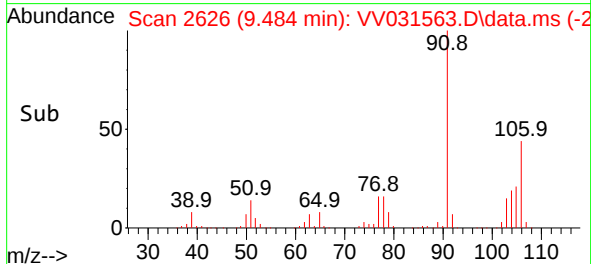
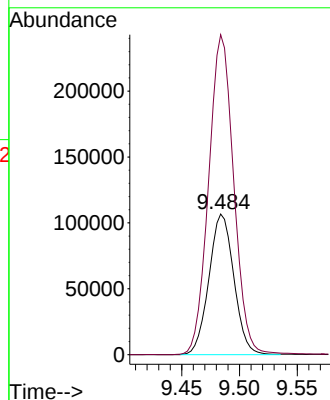
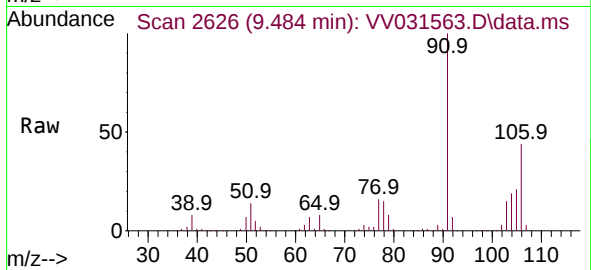




#54
o-Xylene
Concen: 50.088 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

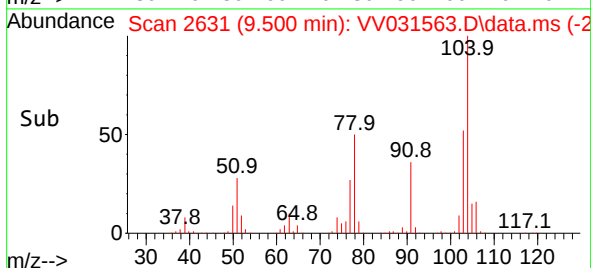
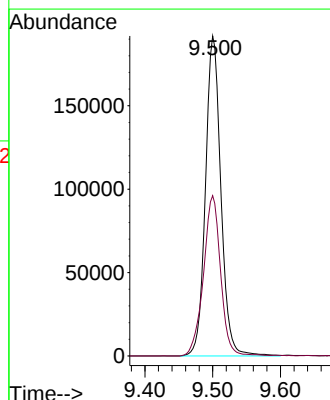
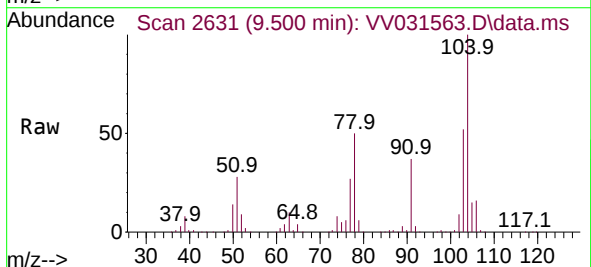
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

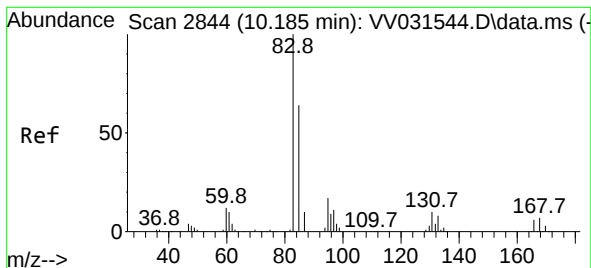
Tgt Ion:106 Resp: 160142
Ion Ratio Lower Upper
106 100
91 227.4 161.3 299.7



#55
Styrene
Concen: 53.200 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion:104 Resp: 303776
Ion Ratio Lower Upper
104 100
78 50.1 35.1 65.3

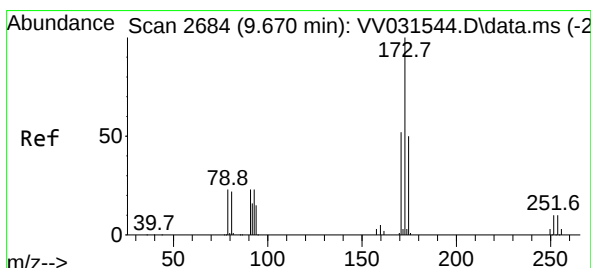
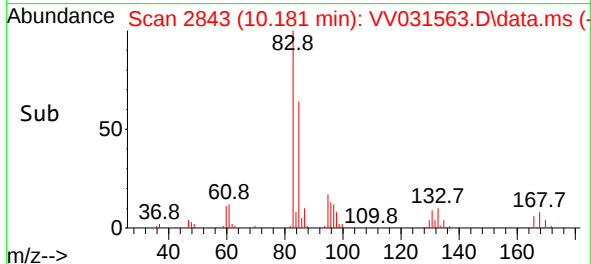
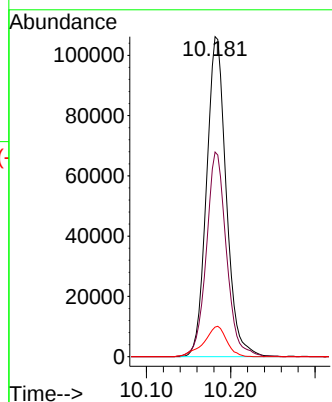
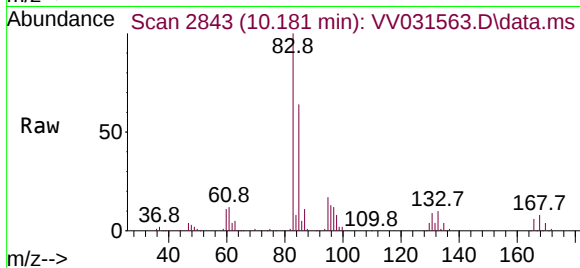




#57
1,1,2,2-Tetrachloroethane
Concen: 47.898 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

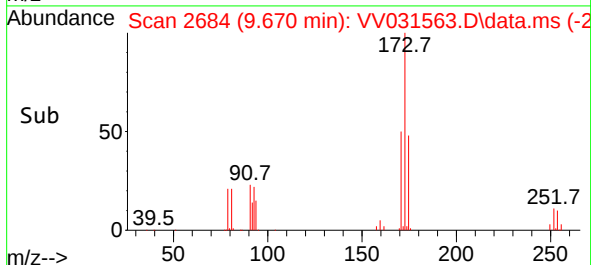
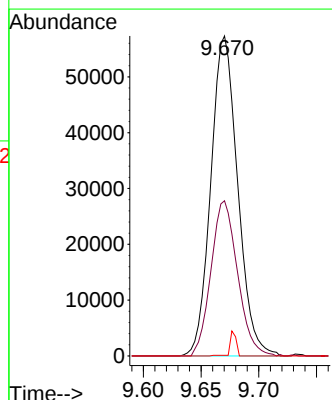
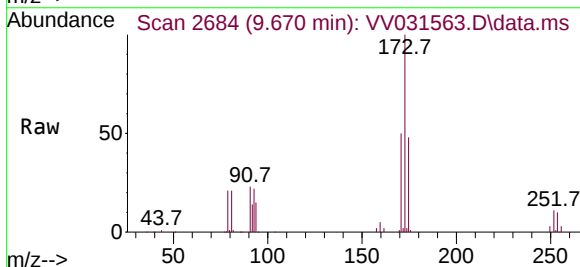
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

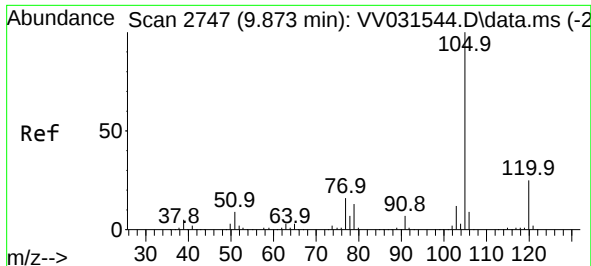
Tgt Ion: 83 Resp: 172634
Ion Ratio Lower Upper
83 100
85 64.0 43.1 80.1
131 13.0 10.6 16.0



#59
Bromoform
Concen: 50.573 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 173 Resp: 92868
Ion Ratio Lower Upper
173 100
175 47.9 37.7 56.5
254 1.7 0.1 0.1

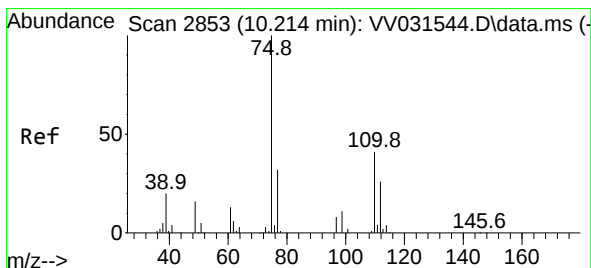
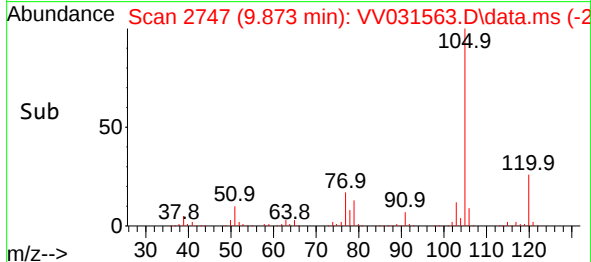
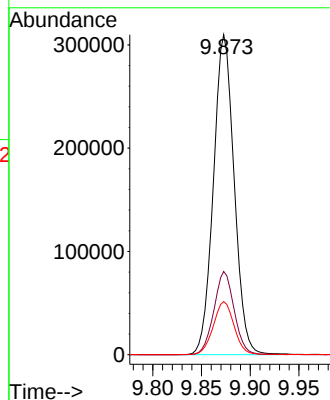
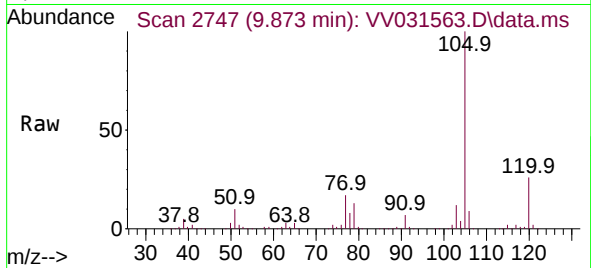




#60
Isopropylbenzene
Concen: 48.634 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

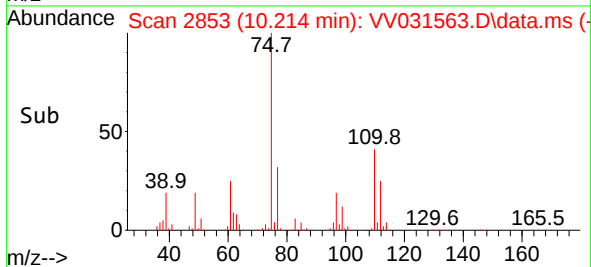
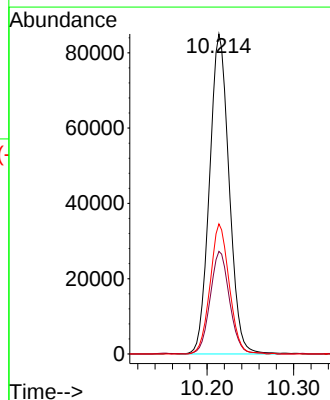
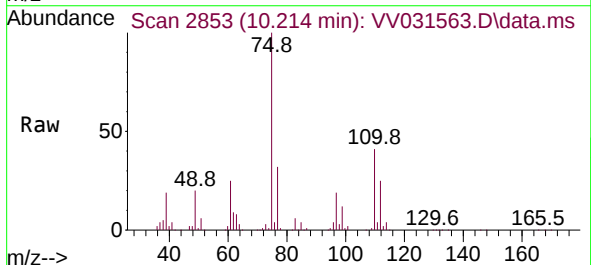
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

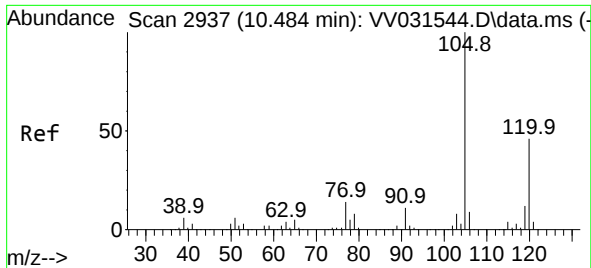
Tgt Ion:105 Resp: 459317
Ion Ratio Lower Upper
105 100
120 25.4 20.2 30.2
77 16.7 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 45.645 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion: 75 Resp: 133558
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
110 39.7 31.3 46.9

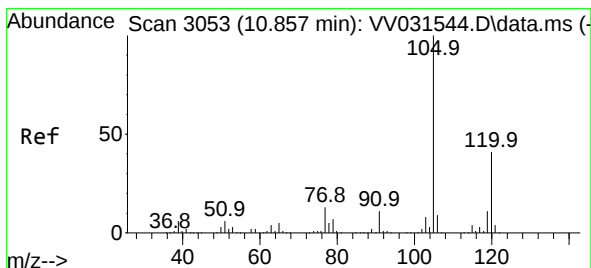
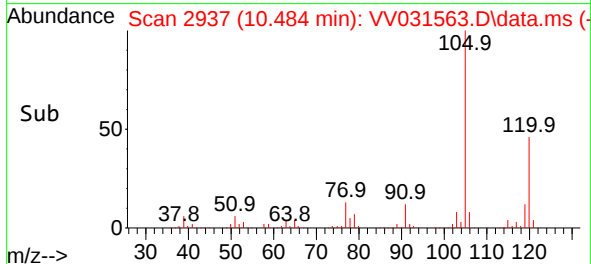
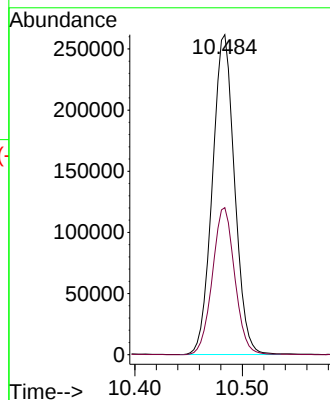
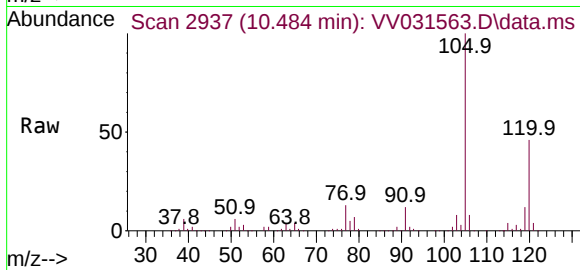




#62
 1,3,5-Trimethylbenzene
 Concen: 48.106 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

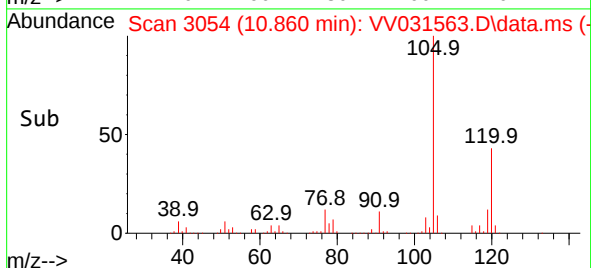
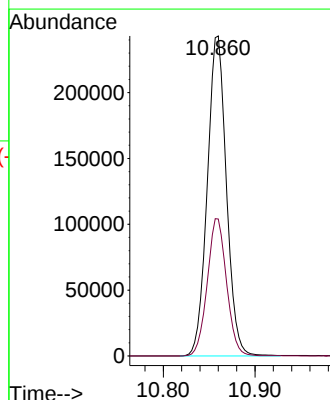
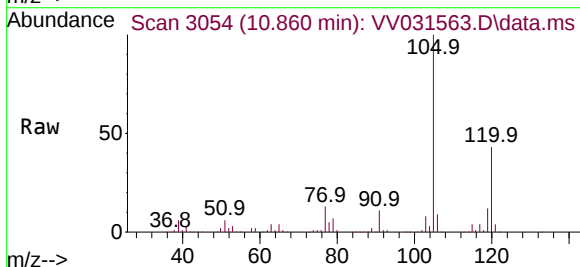
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

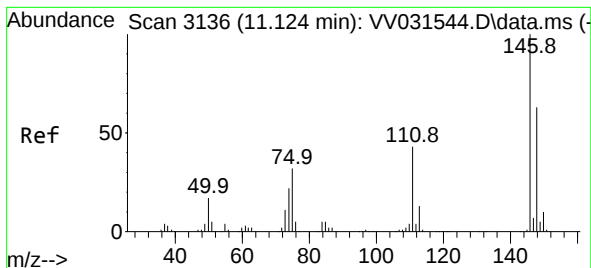
Tgt Ion:105 Resp: 375504
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 48.402 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031563.D
 Acq: 16 Jun 2023 09:38

Tgt Ion:105 Resp: 352031
 Ion Ratio Lower Upper
 105 100
 120 43.2 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 48.955 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

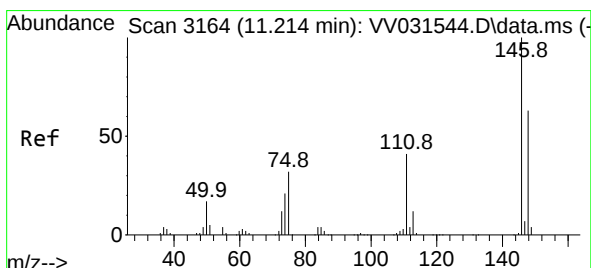
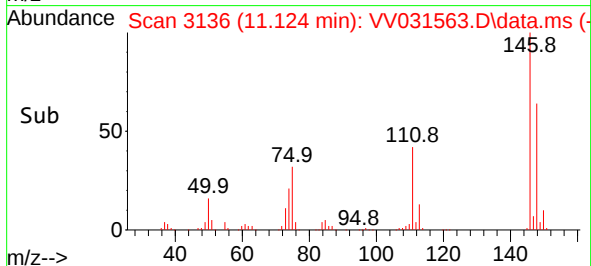
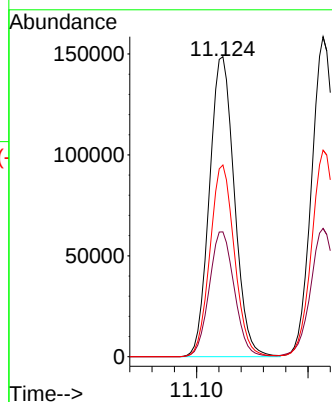
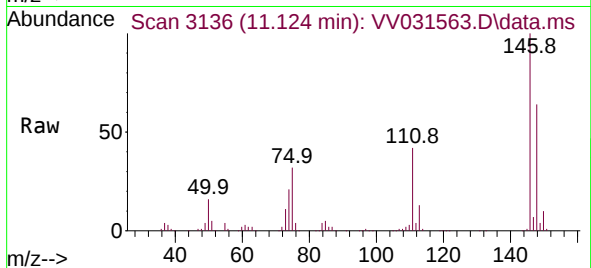
Tgt Ion:146 Resp: 231803

Ion Ratio Lower Upper

146 100

111 41.6 30.4 56.5

148 63.9 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 48.294 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

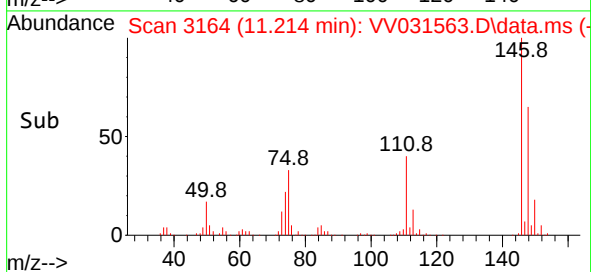
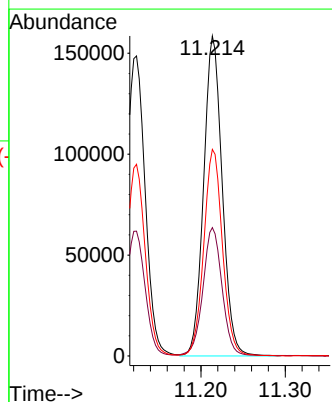
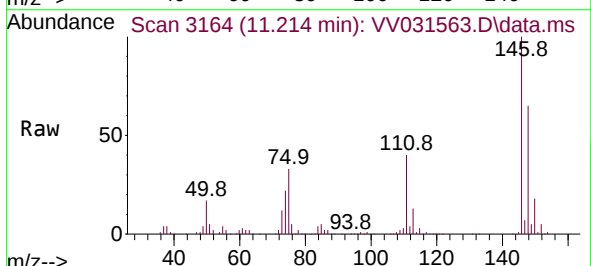
Tgt Ion:146 Resp: 243675

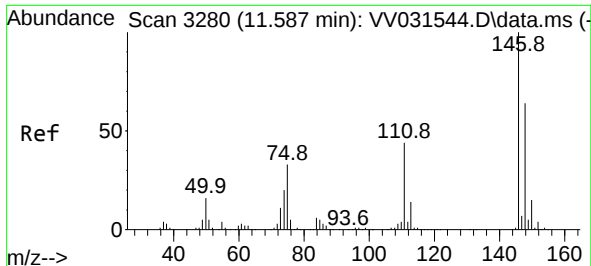
Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

148 64.5 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 47.831 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

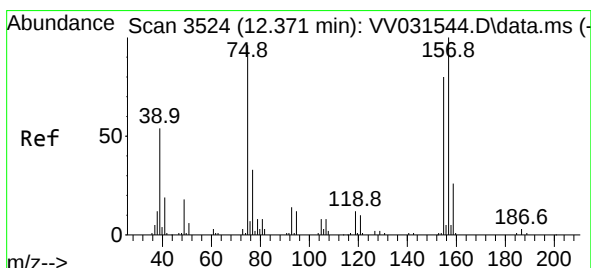
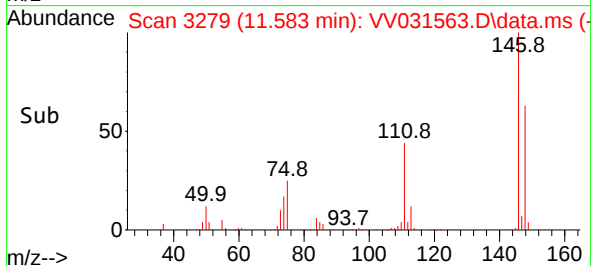
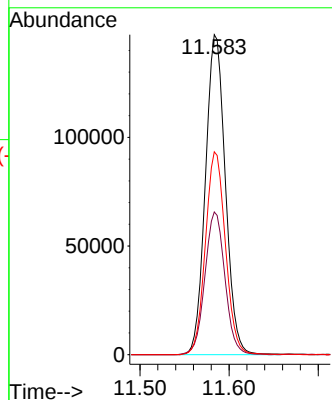
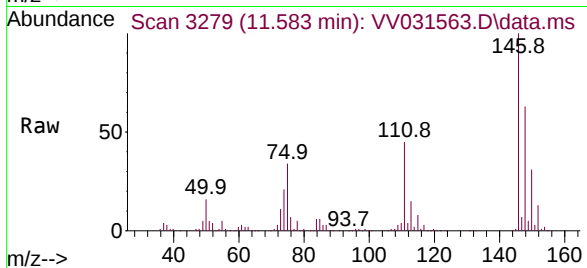
Tgt Ion:146 Resp: 228587

Ion Ratio Lower Upper

146 100

111 44.6 35.9 53.9

148 63.4 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.484 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

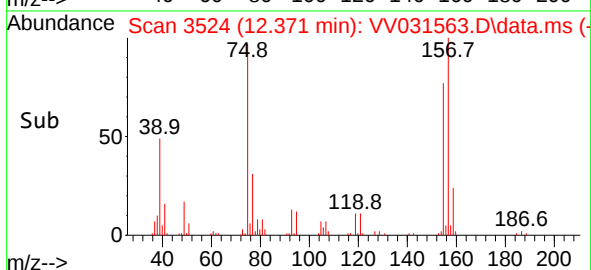
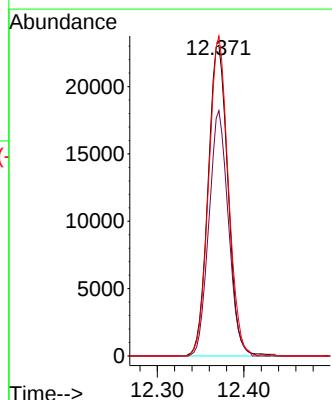
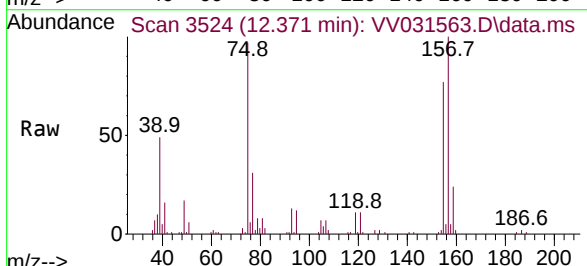
Tgt Ion: 75 Resp: 36895

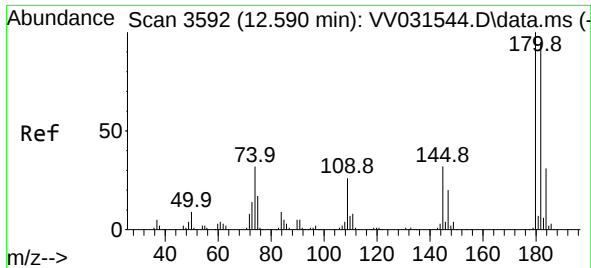
Ion Ratio Lower Upper

75 100

155 83.7 63.2 94.8

157 108.5 85.3 127.9

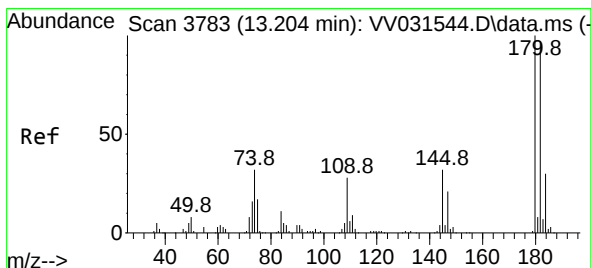
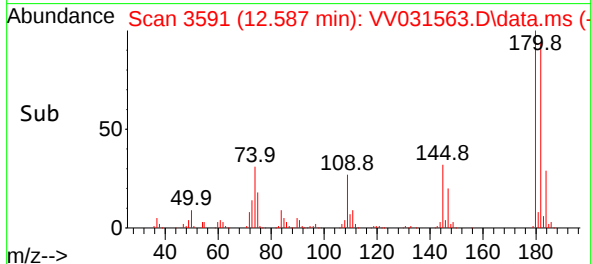
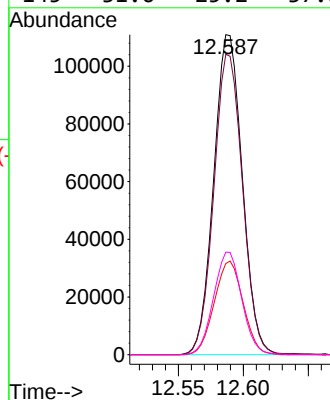
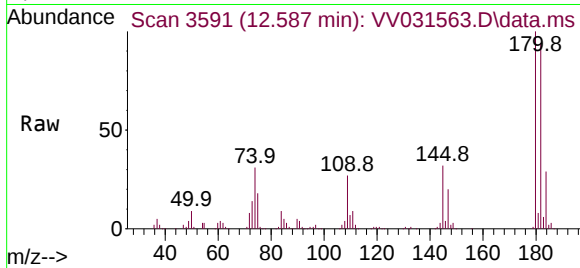




#69
1,3,5-Trichlorobenzene
Concen: 46.954 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. -0.003 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

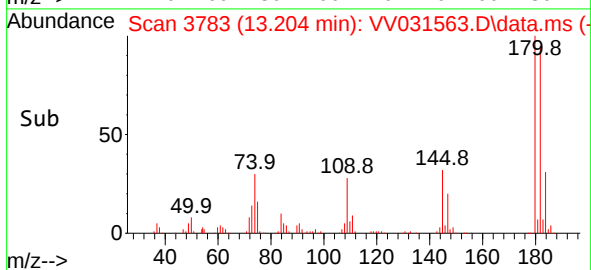
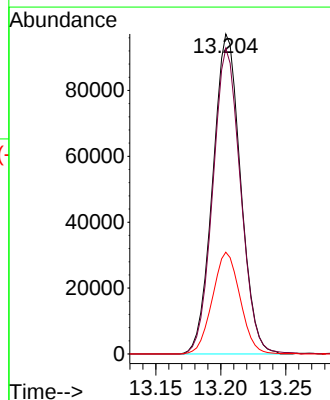
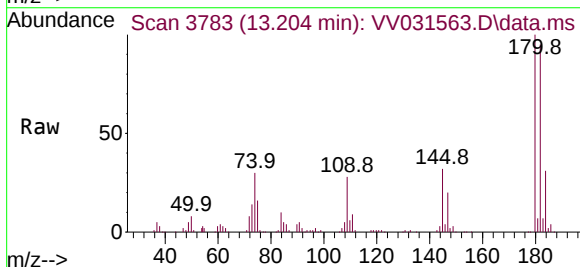
Instrument :
MSVOA_V
ClientSampleId :
VSTD050374

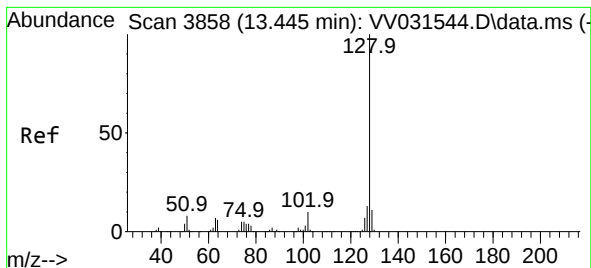
Tgt Ion:180 Resp: 169406
Ion Ratio Lower Upper
180 100
182 94.5 76.6 115.0
184 29.5 24.7 37.1
145 31.6 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 45.694 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.000 min
Lab File: VV031563.D
Acq: 16 Jun 2023 09:38

Tgt Ion:180 Resp: 144508
Ion Ratio Lower Upper
180 100
182 95.1 77.7 116.5
145 31.6 26.1 39.1





#71

Naphthalene

Concen: 43.407 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD050374

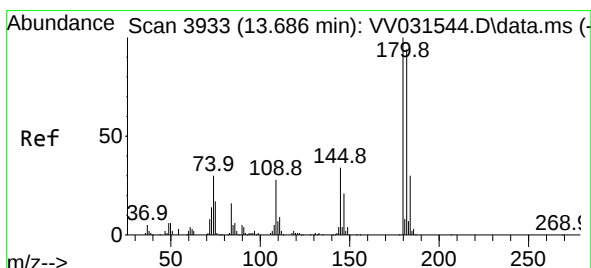
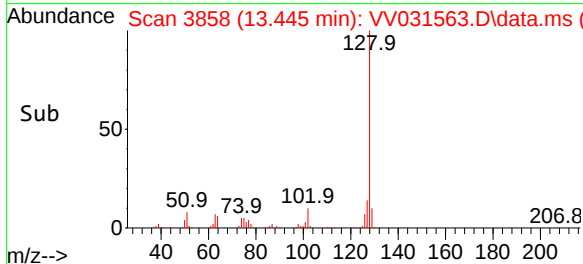
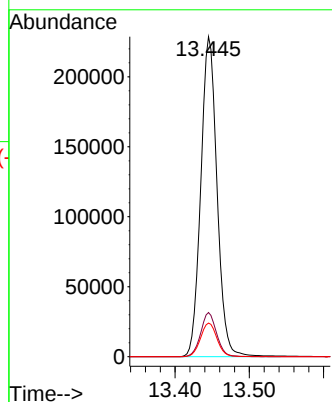
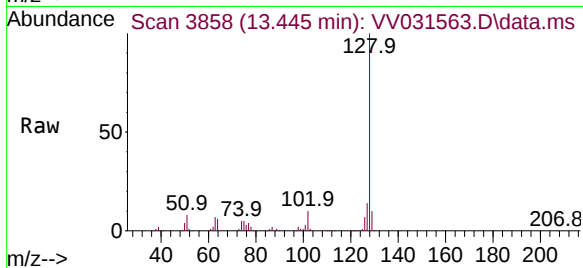
Tgt Ion:128 Resp: 347712

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.097 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031563.D

Acq: 16 Jun 2023 09:38

Tgt Ion:180 Resp: 151492

Ion Ratio Lower Upper

180 100

182 96.3 74.0 111.0

145 33.7 26.2 39.2

