

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031588.D
 Acq On : 16 Jun 2023 20:09
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050375

Quant Time: Jun 17 02:32:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	206925	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	215341	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	131607	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48846	35.469	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.940%		
7) Chloroethane-d5	1.535	69	49280	41.011	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.020%		
11) 1,1-Dichloroethene-d2	2.066	65	24994	35.215	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.420%		
21) 2-Butanone-d5	3.799	46	107641	96.529	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.530%		
24) Chloroform-d	4.259	84	158995	46.099	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.200%		
26) 1,2-Dichloroethane-d4	4.950	65	103189	47.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.640%		
32) Benzene-d6	4.969	84	273052	45.048	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.100%		
36) 1,2-Dichloropropane-d6	5.995	67	97335	45.307	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.620%		
41) Toluene-d8	7.249	98	256411	46.098	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.200%		
43) trans-1,3-Dichloroprop...	7.558	79	47819	45.659	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.320%		
47) 2-Hexanone-d5	8.030	63	81263	95.802	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.800%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	155744	48.029	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.060%		
66) 1,2-Dichlorobenzene-d4	11.567	152	114396	45.600	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.111	85	75194	34.259	ug/L	99
3) Chloromethane	1.217	50	87681	42.335	ug/L	98
5) Vinyl chloride	1.288	62	77893	37.940	ug/L	98
6) Bromomethane	1.490	94	61136	45.688	ug/L	97
8) Chloroethane	1.555	64	56766	42.809	ug/L	96
9) Trichlorofluoromethane	1.719	101	125467	36.733	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	67035	36.622	ug/L	96
12) 1,1-Dichloroethene	2.076	96	62751	40.984	ug/L	94
13) Acetone	2.124	43	70889	64.424	ug/L	98
14) Carbon disulfide	2.246	76	190205	41.069	ug/L	98
15) Methyl Acetate	2.381	43	91817	49.561	ug/L	97
16) Methylene chloride	2.455	84	91455	47.644	ug/L	96
17) trans-1,2-Dichloroethene	2.703	96	71970	45.032	ug/L	100
18) Methyl tert-butyl Ether	2.712	73	272068	51.018	ug/L	99
19) 1,1-Dichloroethane	3.120	63	162871	47.217	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	87453	50.634	ug/L	93
22) 2-Butanone	3.883	43	112939	82.161	ug/L	96
23) Bromochloromethane	4.159	128	49427	52.941	ug/L	91
25) Chloroform	4.288	83	182313	50.844	ug/L	98

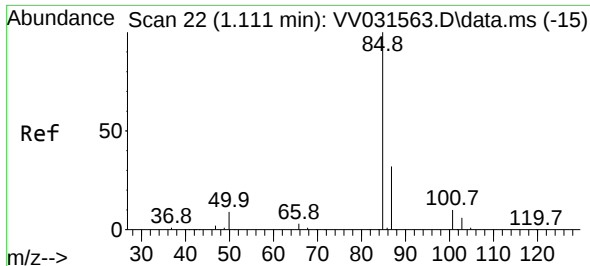
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	138717	50.125	ug/L	98
29) Cyclohexane	4.596	56	90607	32.341	ug/L	98
30) 1,1,1-Trichloroethane	4.522	97	145626	42.179	ug/L	98
31) Carbon tetrachloride	4.744	117	121253	39.637	ug/L	98
33) Benzene	5.018	78	334026	46.590	ug/L	100
34) Trichloroethene	5.841	95	83506	43.588	ug/L	99
35) Methylcyclohexane	6.059	83	85756	30.379	ug/L	96
37) 1,2-Dichloropropane	6.101	63	97843	46.475	ug/L	100
38) Bromodichloromethane	6.439	83	135547	47.633	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	147535	47.209	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	244902	99.068	ug/L	99
42) Toluene	7.323	91	354051	47.629	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	147470	48.456	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	99818	50.191	ug/L	99
46) Tetrachloroethene	7.911	164	62345	41.463	ug/L	96
48) 2-Hexanone	8.082	43	190458	96.467	ug/L	98
49) Dibromochloromethane	8.185	129	110838	50.145	ug/L	98
50) 1,2-Dibromoethane	8.287	107	106572	50.326	ug/L #	99
51) Chlorobenzene	8.821	112	229018	46.517	ug/L	97
52) Ethylbenzene	8.953	91	370500	44.668	ug/L	98
53) m,p-Xylene	9.078	106	139777	46.016	ug/L	98
54) o-Xylene	9.484	106	134346	46.606	ug/L	99
55) Styrene	9.500	104	261030	50.704	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	162657	50.056	ug/L	98
59) Bromoform	9.670	173	85974	52.701	ug/L #	98
60) Isopropylbenzene	9.873	105	353166	42.092	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	123495	47.509	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	293225	42.285	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	281812	43.616	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	190142	45.202	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	203173	45.326	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	197050	46.413	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	35124	45.526	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	132179	41.239	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	116612	41.506	ug/L	99
71) Naphthalene	13.445	128	311029	43.706	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	127334	43.614	ug/L	97

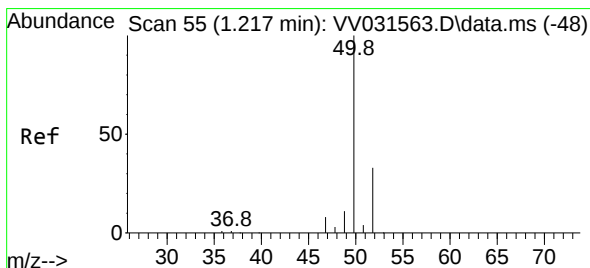
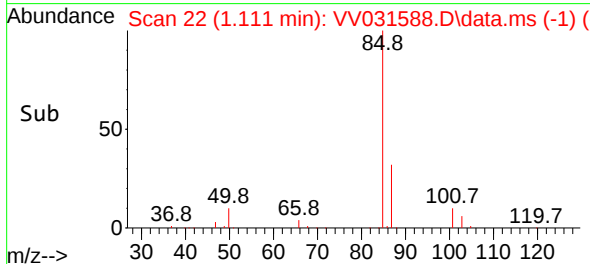
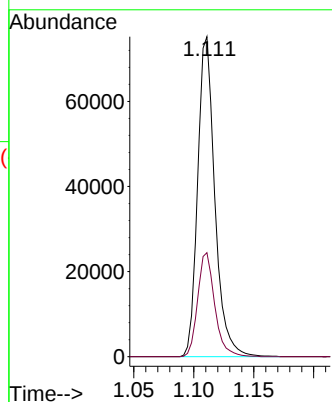
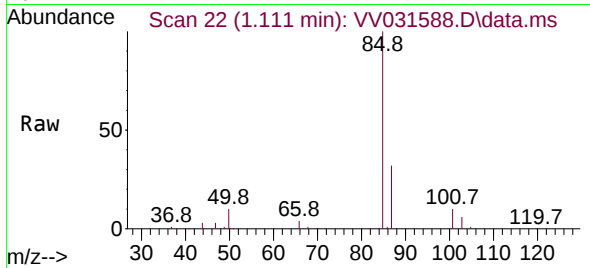
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#2
 Dichlorodifluoromethane
 Concen: 34.259 ug/L
 RT: 1.111 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

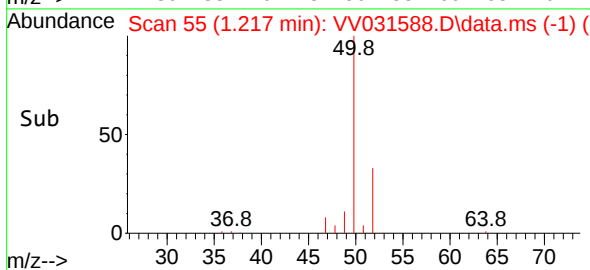
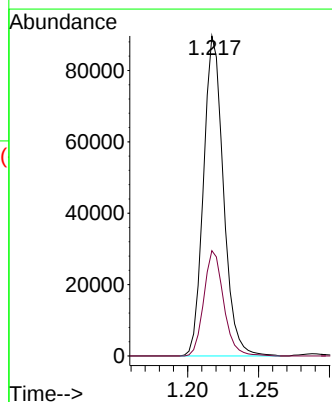
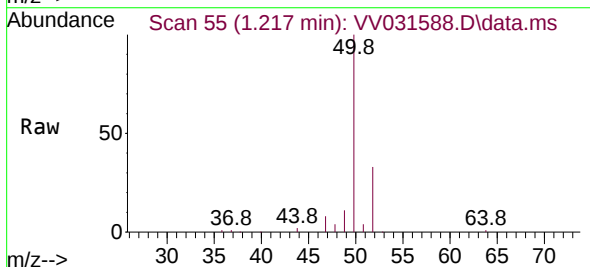
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050375

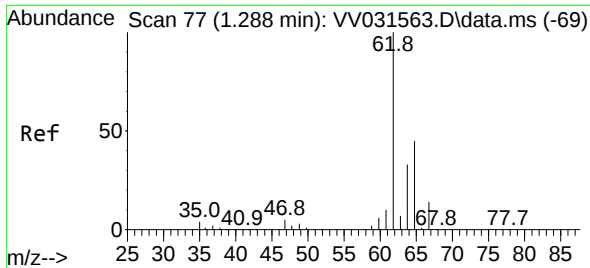
Tgt Ion: 85 Resp: 75194
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.5 38.3



#3
 Chloromethane
 Concen: 42.335 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

Tgt Ion: 50 Resp: 87681
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.3 41.5

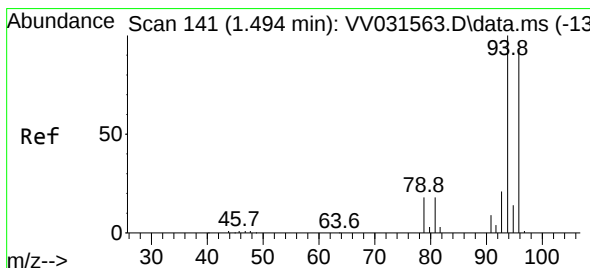
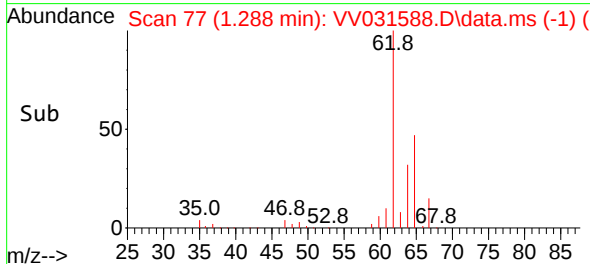
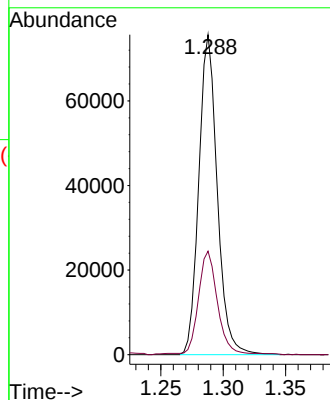
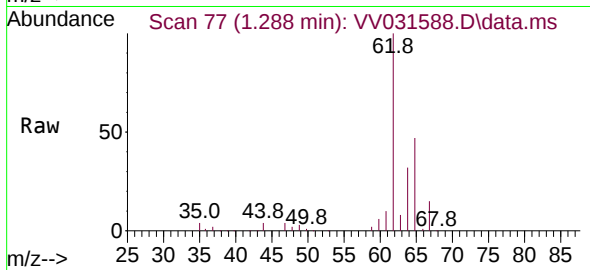




#5
 Vinyl chloride
 Concen: 37.940 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

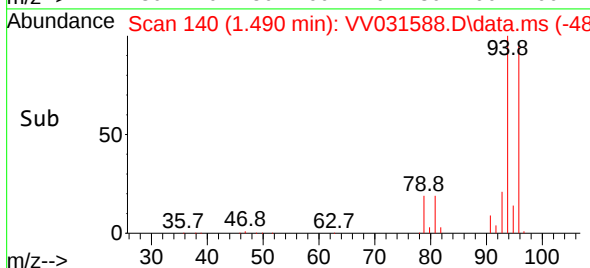
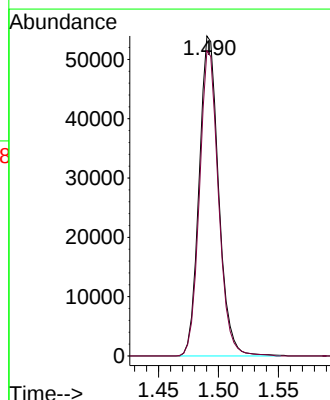
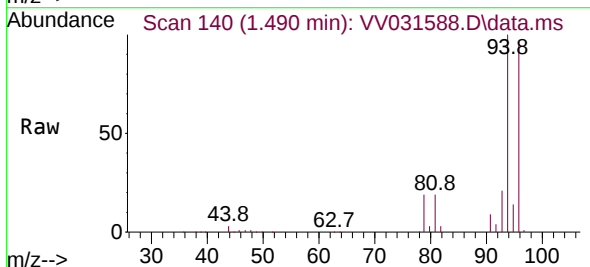
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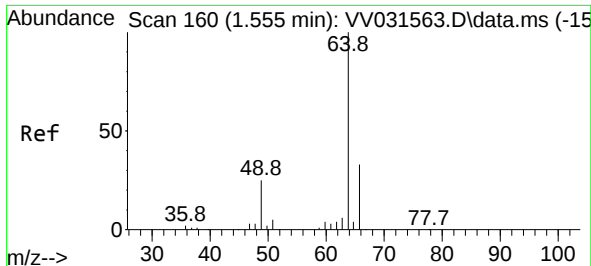
Tgt Ion: 62 Resp: 77893
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.4



#6
 Bromomethane
 Concen: 45.688 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

Tgt Ion: 94 Resp: 61136
 Ion Ratio Lower Upper
 94 100
 96 96.5 65.4 121.4

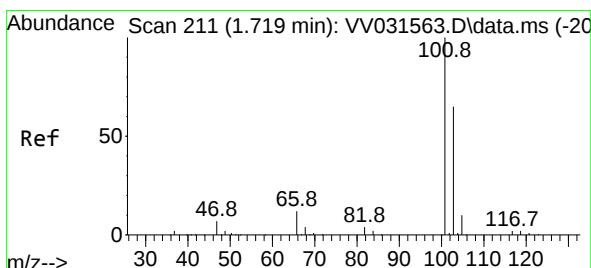
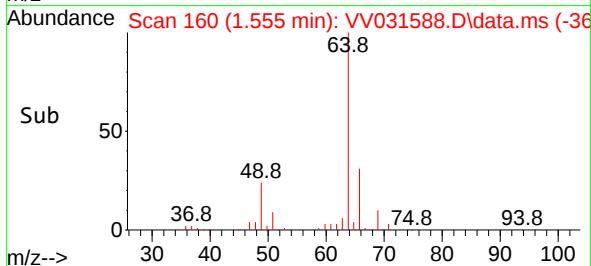
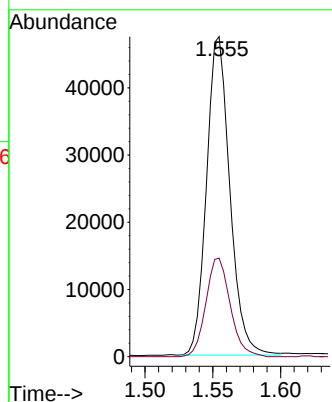
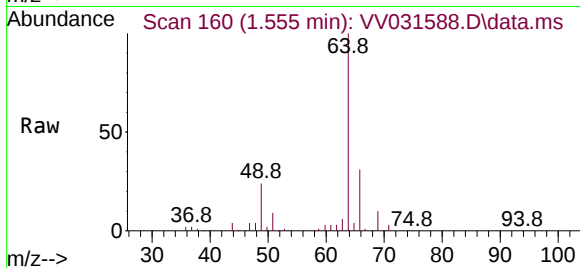




#8
Chloroethane
Concen: 42.809 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

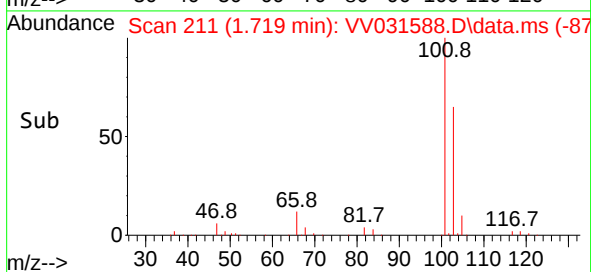
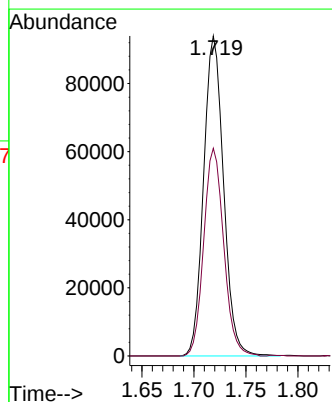
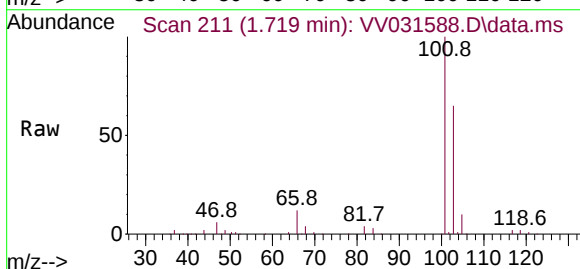
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ClientSampleId :
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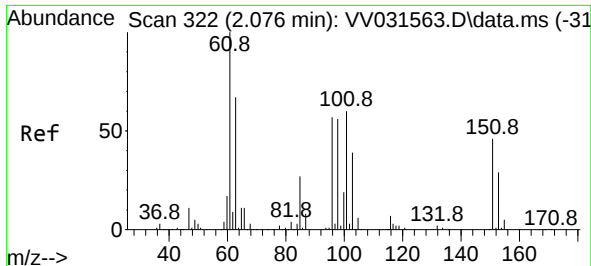
Tgt Ion: 64 Resp: 56766
Ion Ratio Lower Upper
64 100
66 31.9 21.0 39.0



#9
Trichlorofluoromethane
Concen: 36.733 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion:101 Resp: 125467
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3

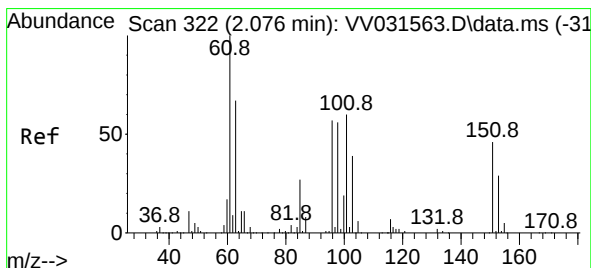
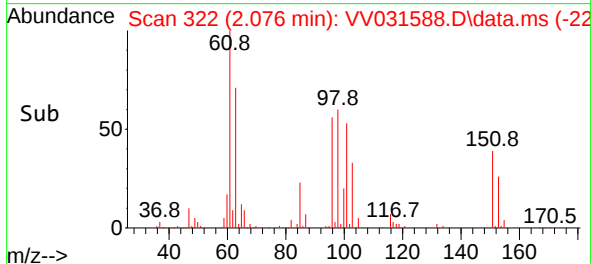
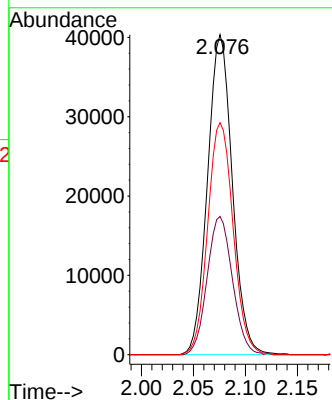
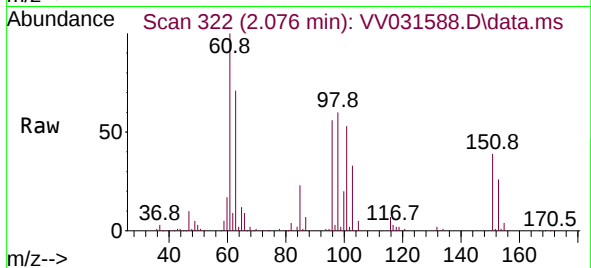




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 36.622 ug/L
RT: 2.076 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

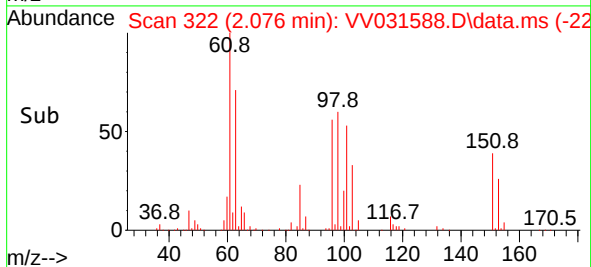
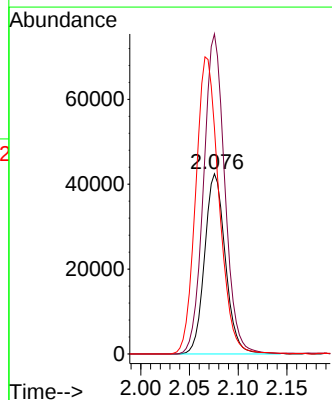
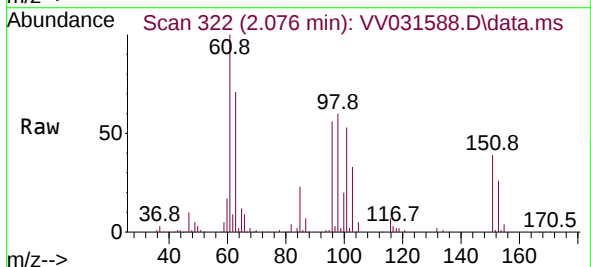
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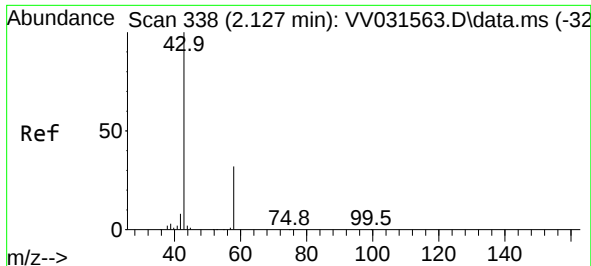
Tgt Ion:101 Resp: 67035
Ion Ratio Lower Upper
101 100
85 44.0 37.4 56.0
151 74.1 62.3 93.5



#12
1,1-Dichloroethene
Concen: 40.984 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 96 Resp: 62751
Ion Ratio Lower Upper
96 100
61 177.6 128.9 239.5
63 125.5 95.3 177.1





#13

Acetone

Concen: 64.424 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

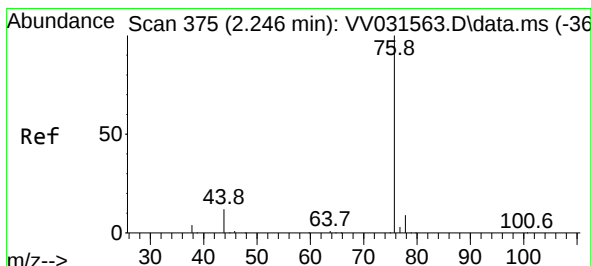
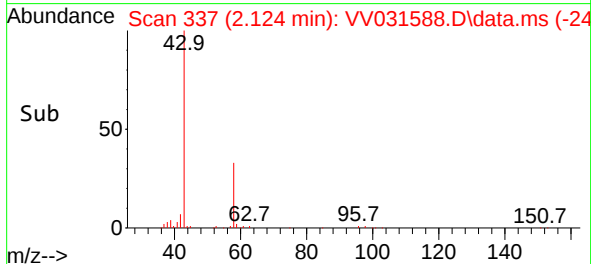
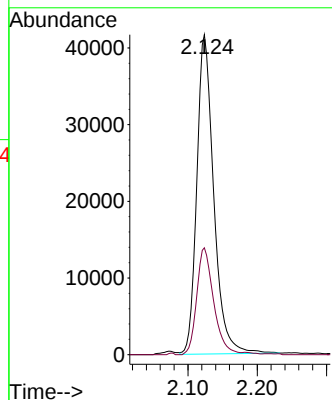
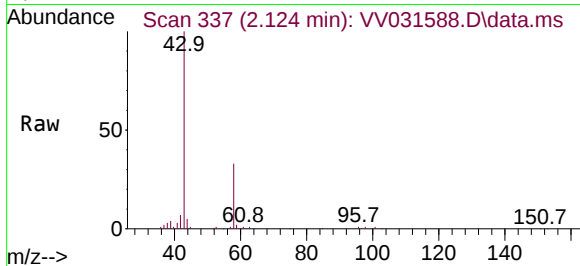
VSTD050375

Tgt Ion: 43 Resp: 70889

Ion Ratio Lower Upper

43 100

58 33.4 0.0 68.6



#14

Carbon disulfide

Concen: 41.069 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031588.D

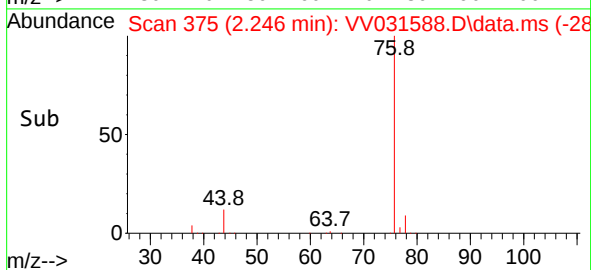
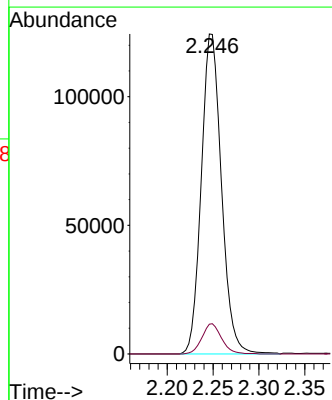
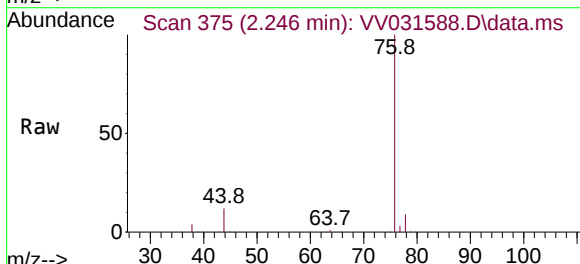
Acq: 16 Jun 2023 20:09

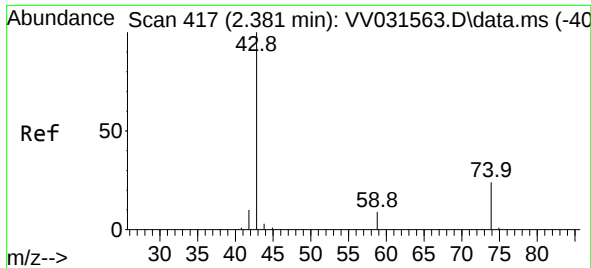
Tgt Ion: 76 Resp: 190205

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

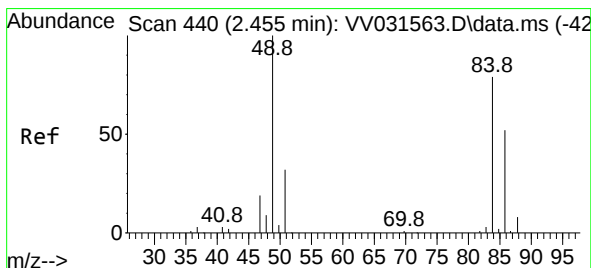
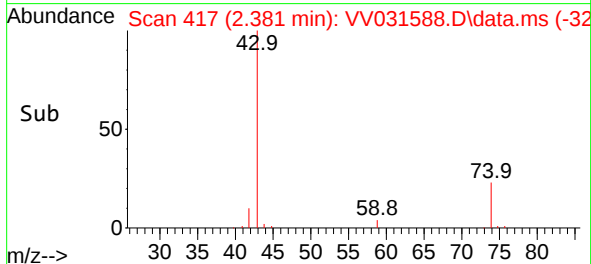
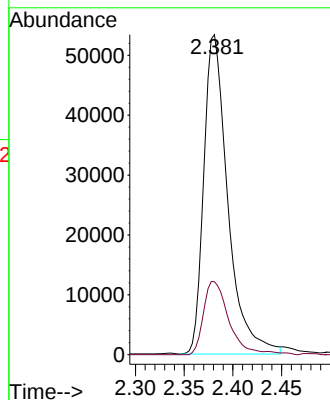
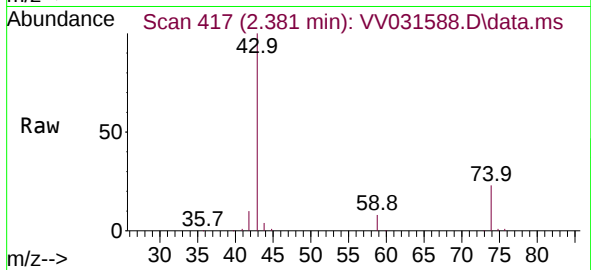




#15
Methyl Acetate
Concen: 49.561 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

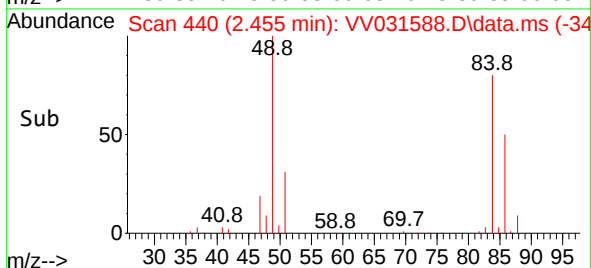
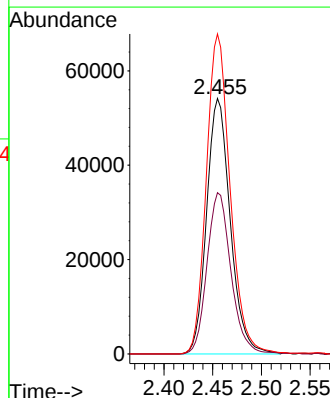
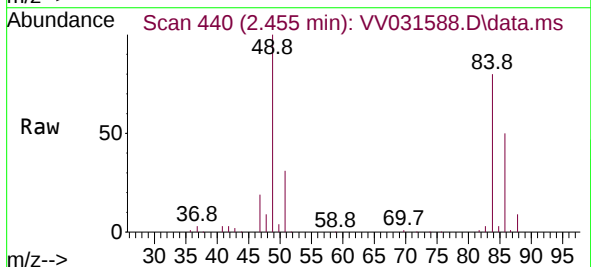
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

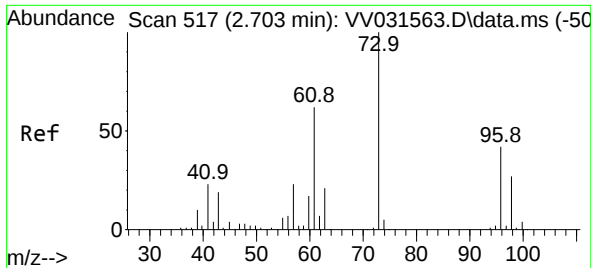
Tgt Ion: 43 Resp: 91817
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.6



#16
Methylene chloride
Concen: 47.644 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 84 Resp: 91455
Ion Ratio Lower Upper
84 100
86 64.0 45.8 85.0
49 125.3 92.1 171.1

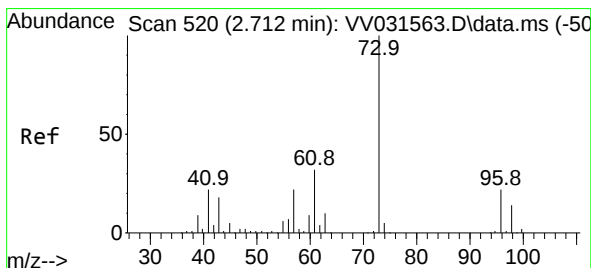
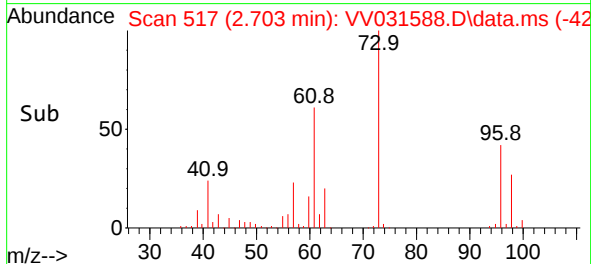
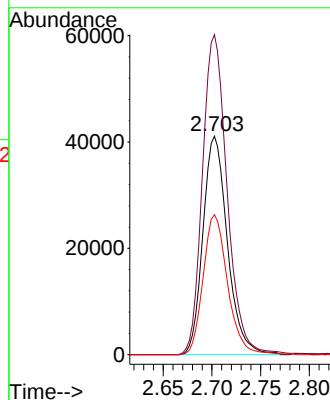
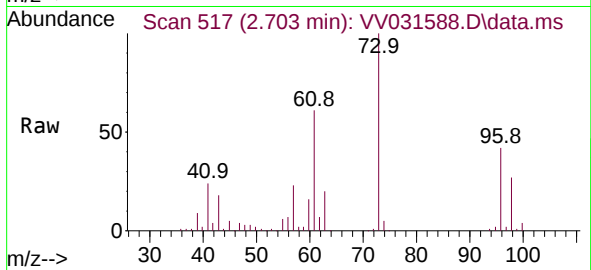




#17
trans-1,2-Dichloroethene
Concen: 45.032 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

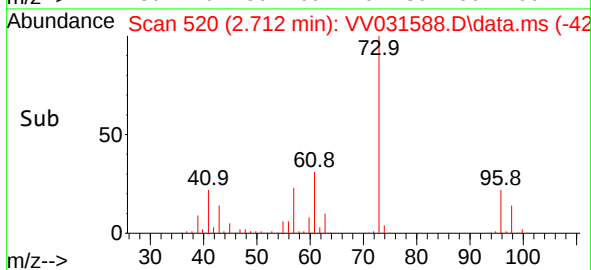
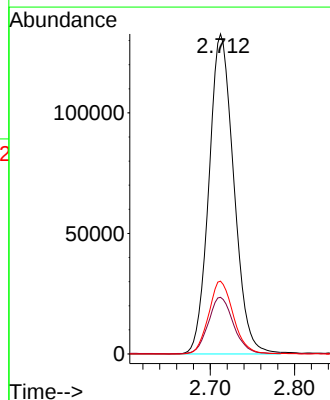
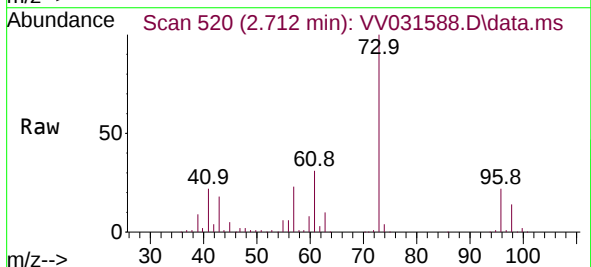
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

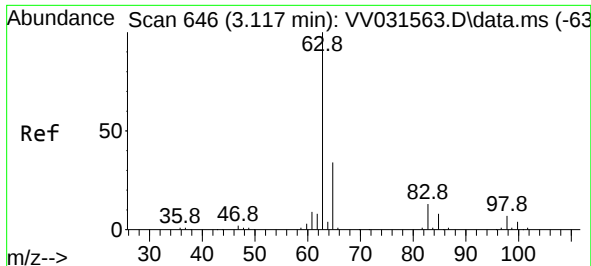
Tgt Ion: 96 Resp: 71970
Ion Ratio Lower Upper
96 100
61 146.4 102.5 190.3
98 64.1 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 51.018 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 73 Resp: 272068
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.4
57 22.6 18.2 27.4





#19

1,1-Dichloroethane

Concen: 47.217 ug/L

RT: 3.120 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

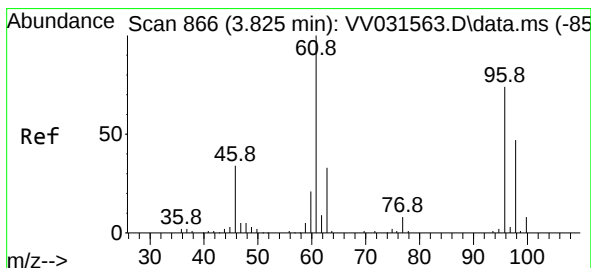
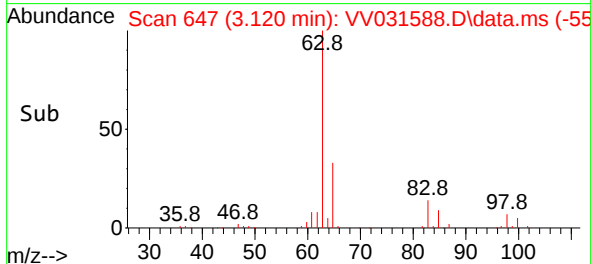
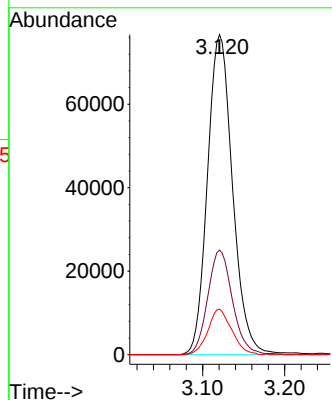
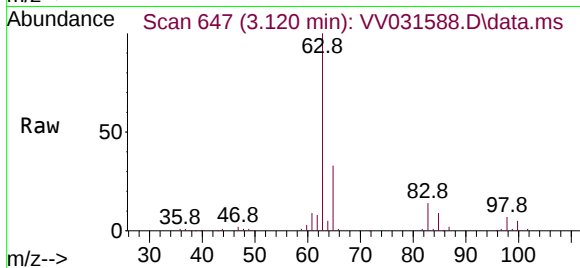
Tgt Ion: 63 Resp: 162871

Ion Ratio Lower Upper

63 100

65 32.7 22.5 41.7

83 14.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 50.634 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

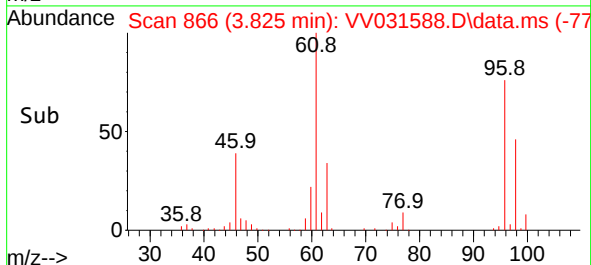
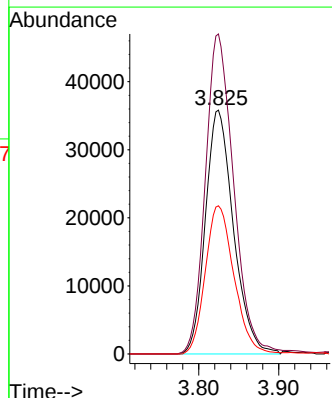
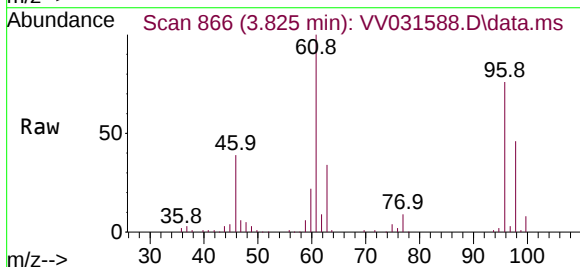
Tgt Ion: 96 Resp: 87453

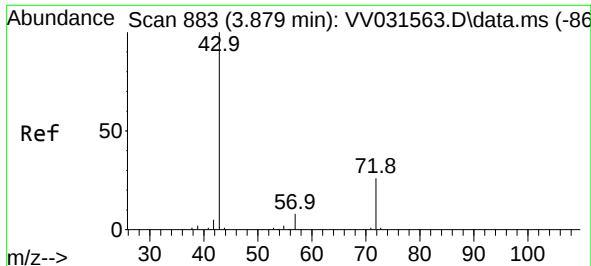
Ion Ratio Lower Upper

96 100

61 131.3 98.6 183.0

98 60.8 45.7 84.9

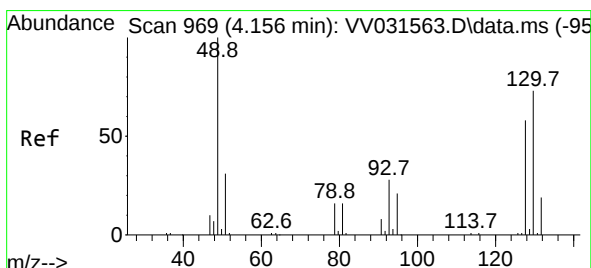
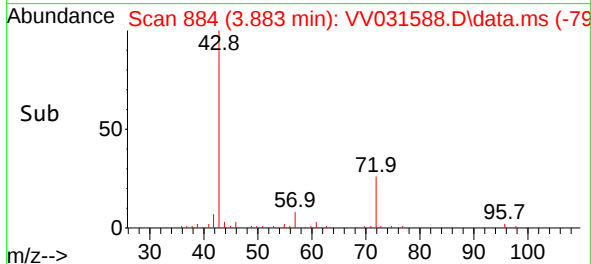
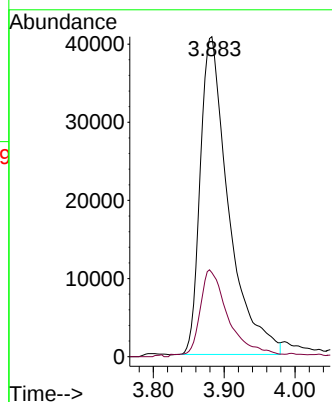
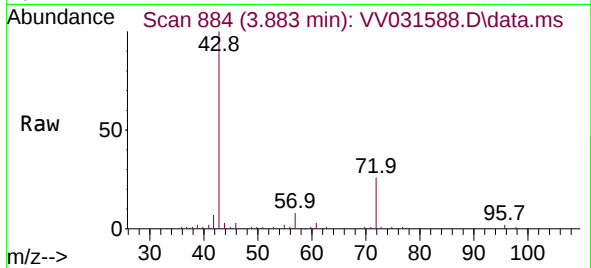




#22
2-Butanone
Concen: 82.161 ug/L
RT: 3.883 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

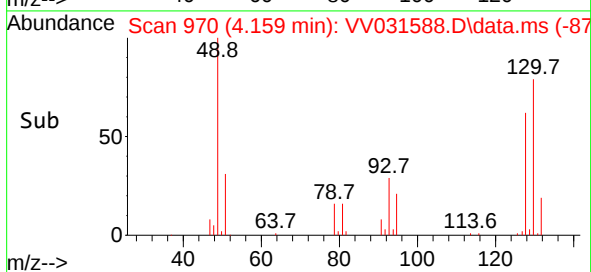
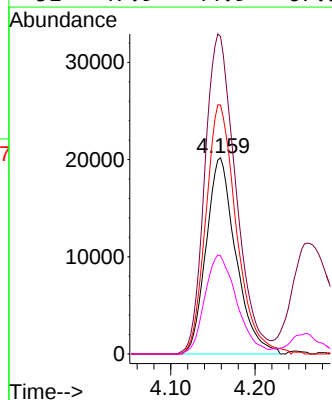
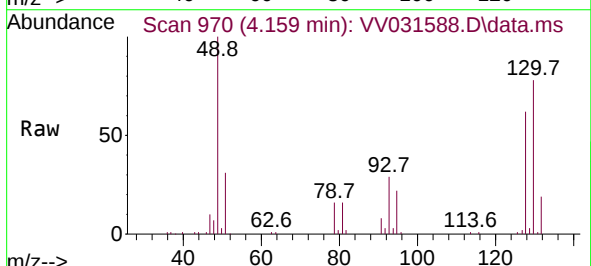
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

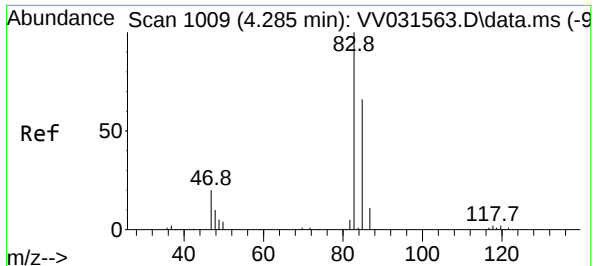
Tgt Ion: 43 Resp: 112939
Ion Ratio Lower Upper
43 100
72 26.2 12.2 36.4



#23
Bromochloromethane
Concen: 52.941 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.003 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion:128 Resp: 49427
Ion Ratio Lower Upper
128 100
49 154.7 120.6 224.0
130 121.4 88.1 163.7
51 47.9 44.9 67.3





#25

Chloroform

Concen: 50.844 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

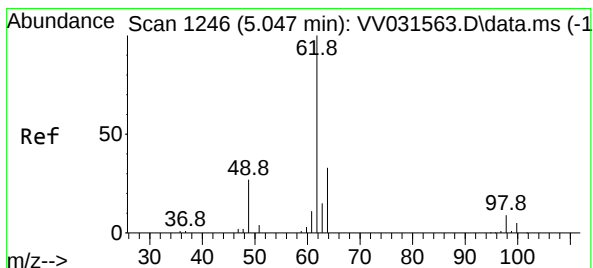
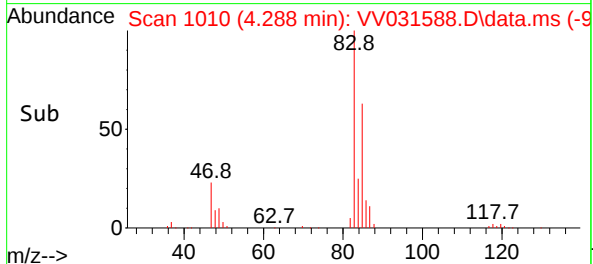
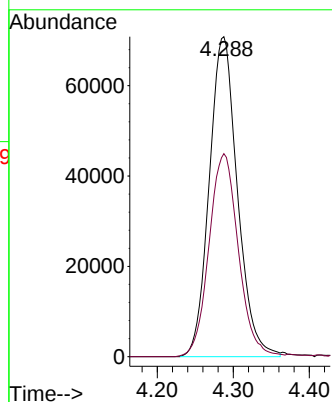
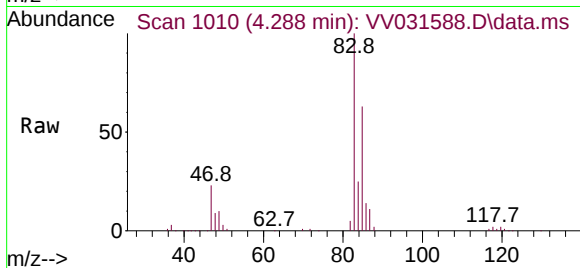
VSTD050375

Tgt Ion: 83 Resp: 182313

Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1



#27

1,2-Dichloroethane

Concen: 50.125 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031588.D

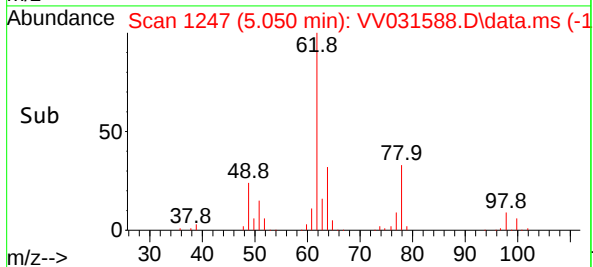
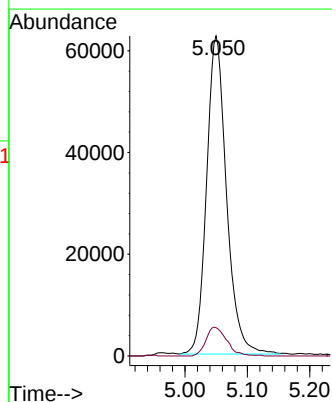
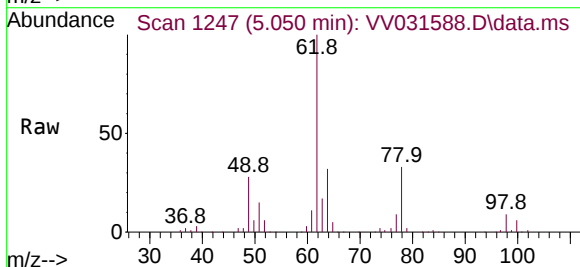
Acq: 16 Jun 2023 20:09

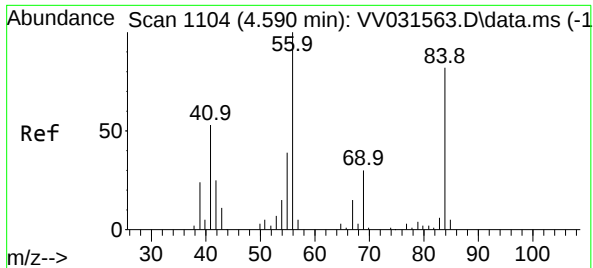
Tgt Ion: 62 Resp: 138717

Ion Ratio Lower Upper

62 100

98 8.8 6.6 9.8





#29

Cyclohexane

Concen: 32.341 ug/L

RT: 4.596 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

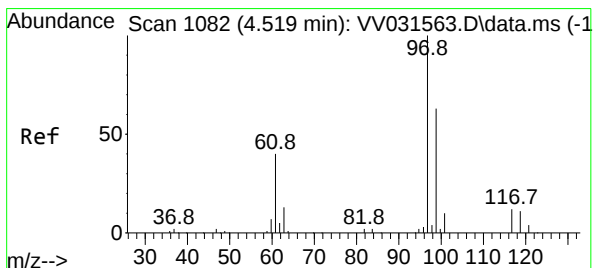
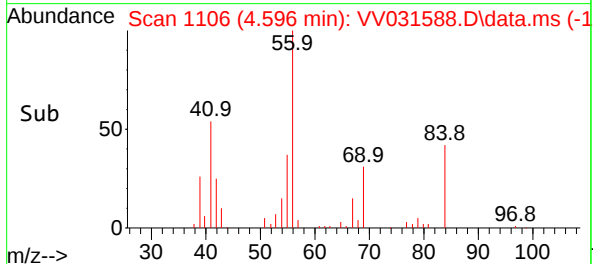
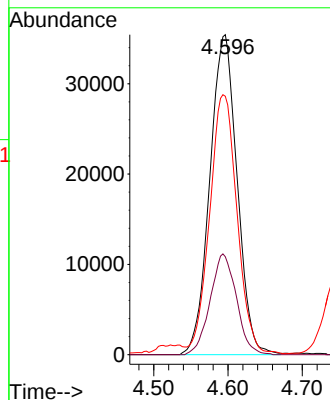
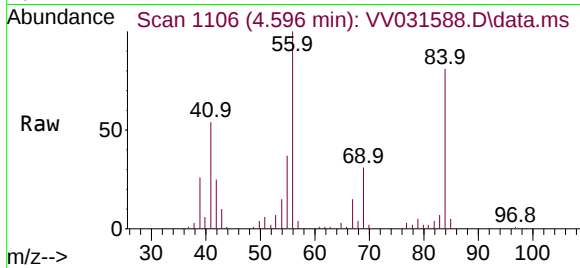
Tgt Ion: 56 Resp: 90607

Ion Ratio Lower Upper

56 100

69 30.3 24.3 36.5

84 79.1 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 42.179 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

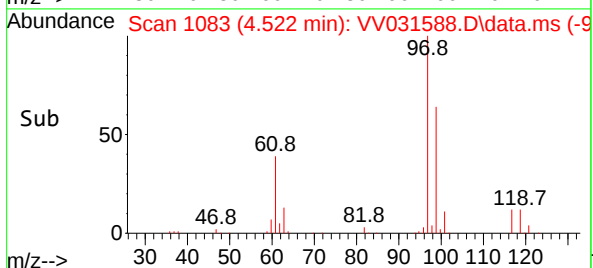
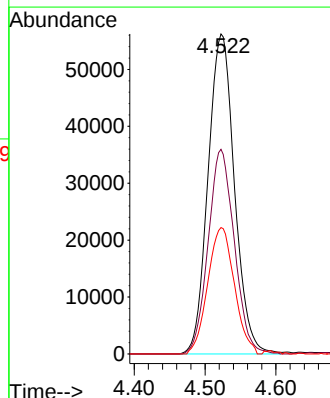
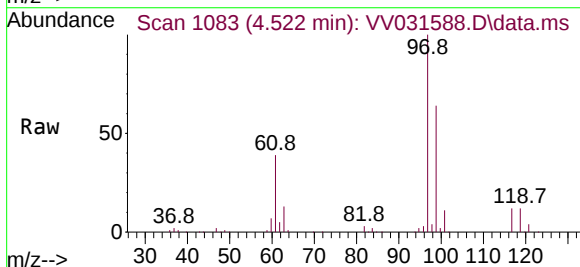
Tgt Ion: 97 Resp: 145626

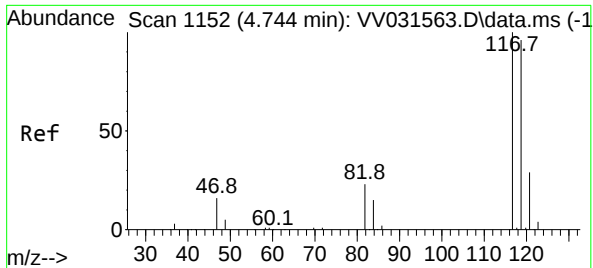
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 39.8 33.0 49.6

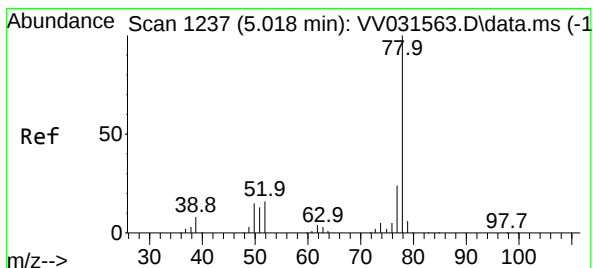
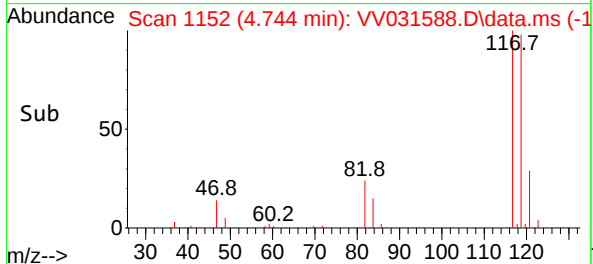
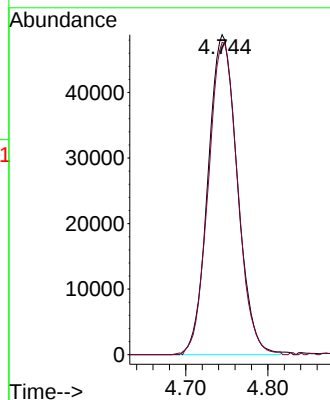
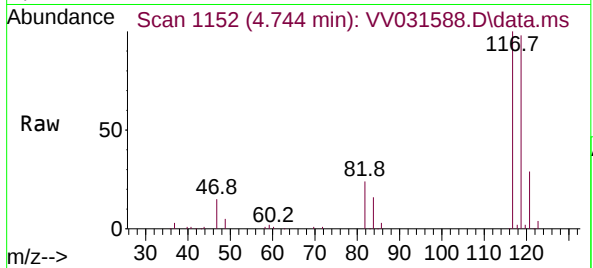




#31
Carbon tetrachloride
Concen: 39.637 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

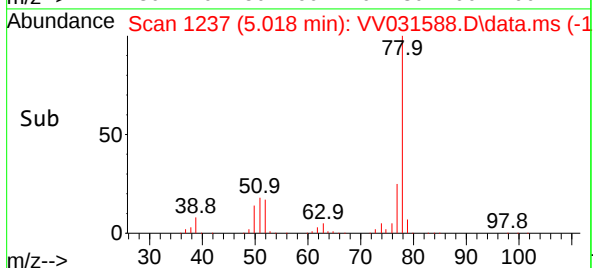
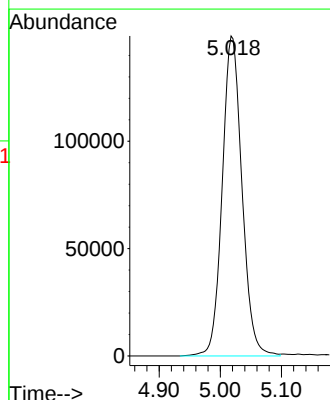
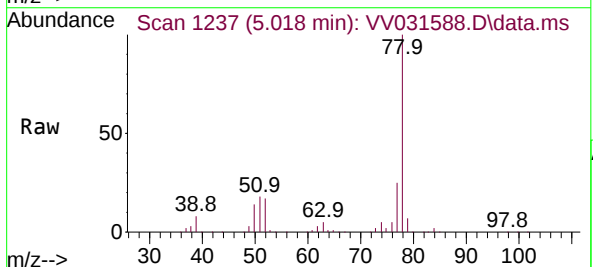
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

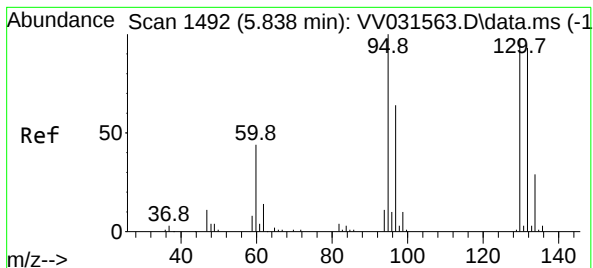
Tgt Ion:117 Resp: 121253
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.4



#33
Benzene
Concen: 46.590 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 78 Resp: 334026





#34

Trichloroethene

Concen: 43.588 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

Tgt Ion: 95 Resp: 83506

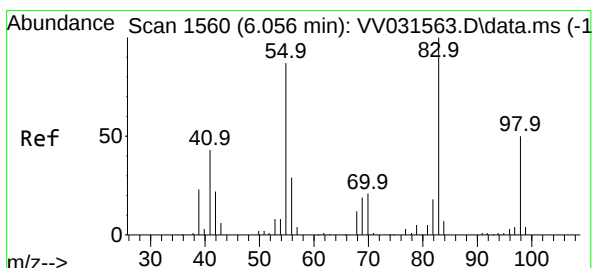
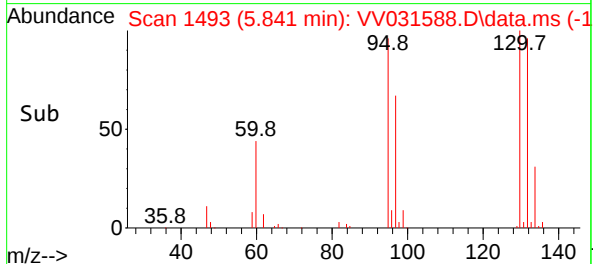
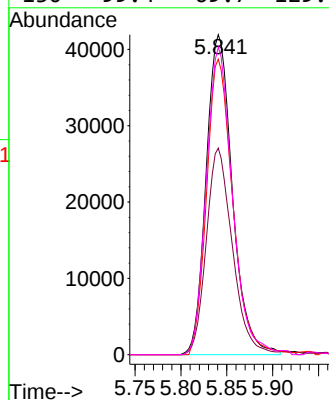
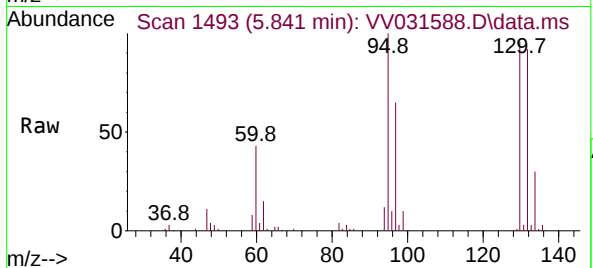
Ion Ratio Lower Upper

95 100

97 67.8 46.8 86.8

132 95.4 66.4 123.2

130 99.4 69.7 129.4



#35

Methylcyclohexane

Concen: 30.379 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

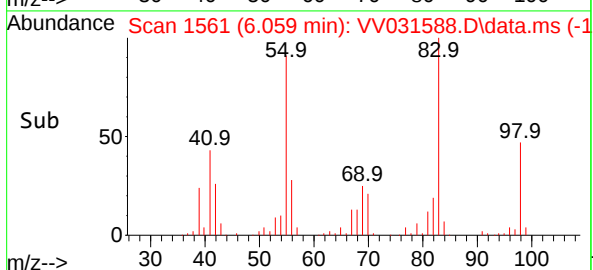
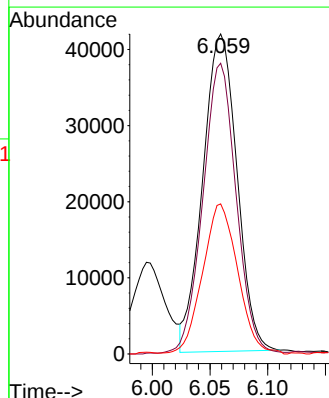
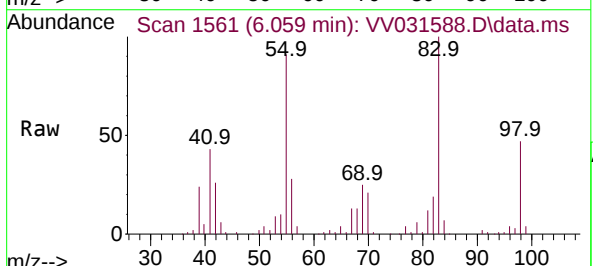
Tgt Ion: 83 Resp: 85756

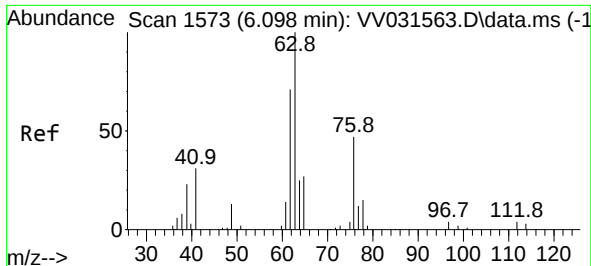
Ion Ratio Lower Upper

83 100

55 89.2 68.7 103.1

98 48.7 37.0 55.4





#37

1,2-Dichloropropane

Concen: 46.475 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

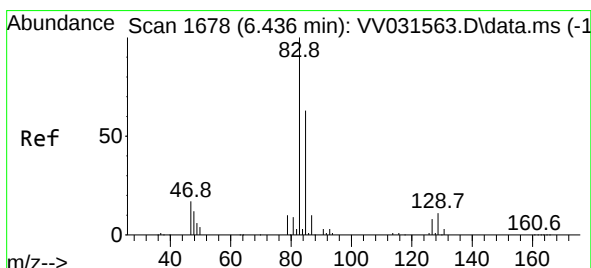
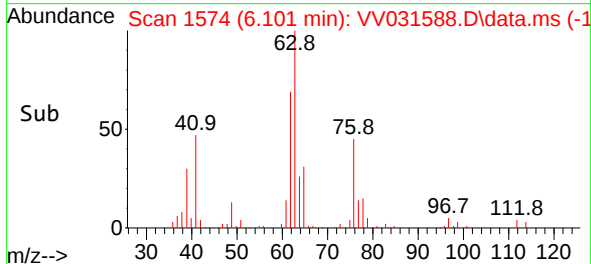
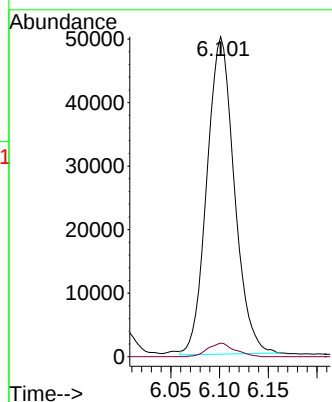
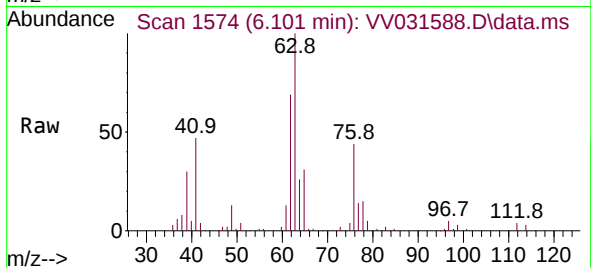
VSTD050375

Tgt Ion: 63 Resp: 97843

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 47.633 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

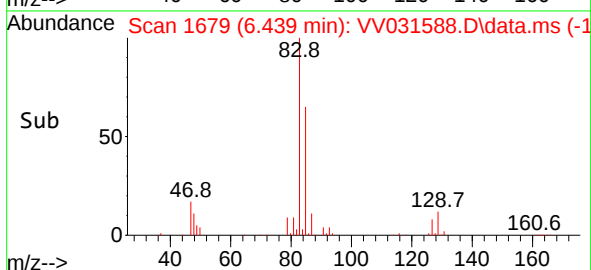
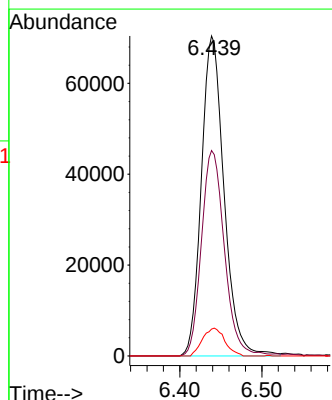
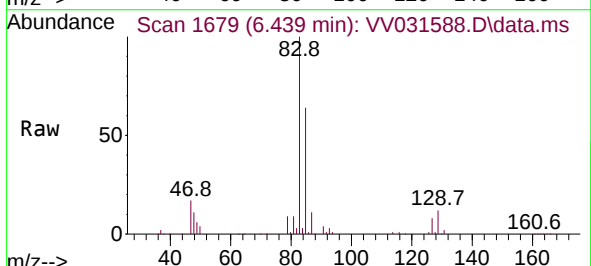
Tgt Ion: 83 Resp: 135547

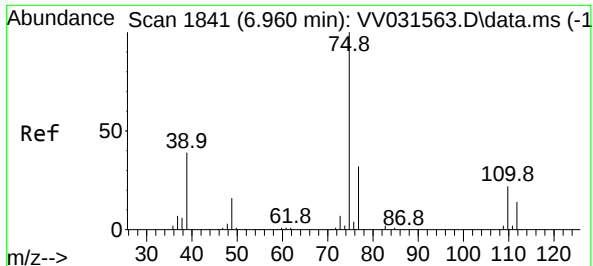
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 9.6 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 47.209 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

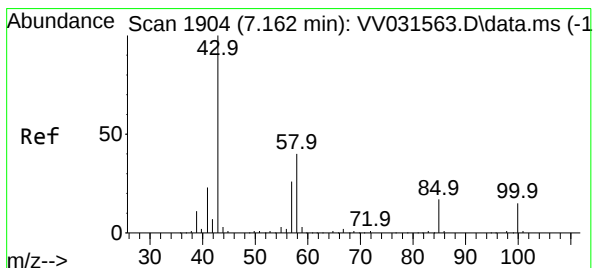
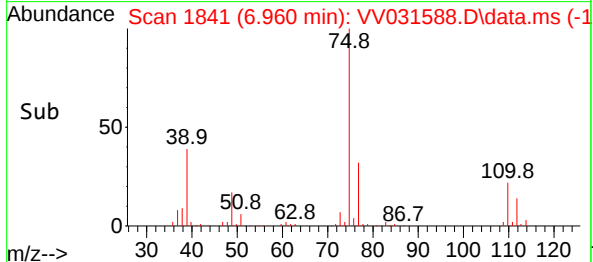
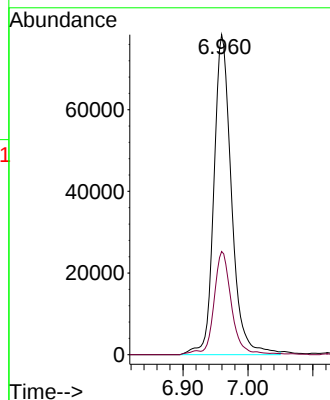
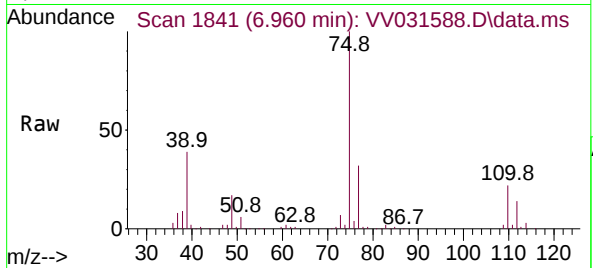
VSTD050375

Tgt Ion: 75 Resp: 147535

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 99.068 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

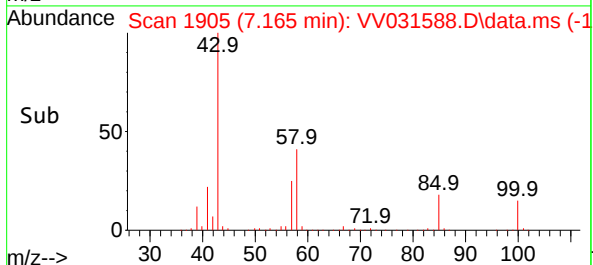
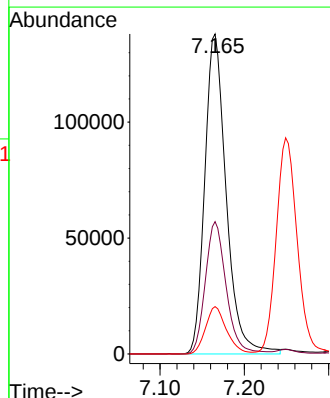
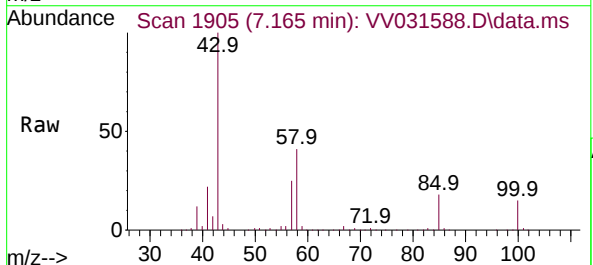
Tgt Ion: 43 Resp: 244902

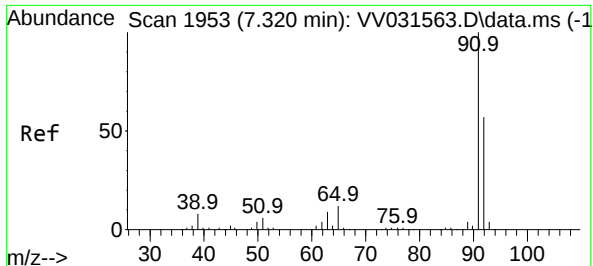
Ion Ratio Lower Upper

43 100

58 40.2 31.8 47.8

100 14.5 11.1 16.7





#42

Toluene

Concen: 47.629 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

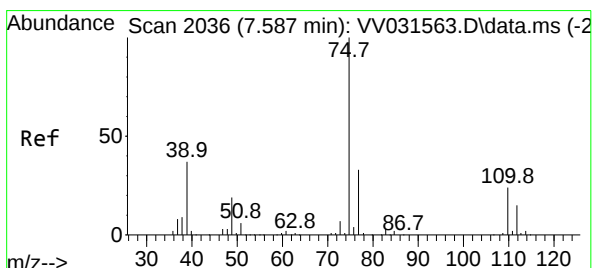
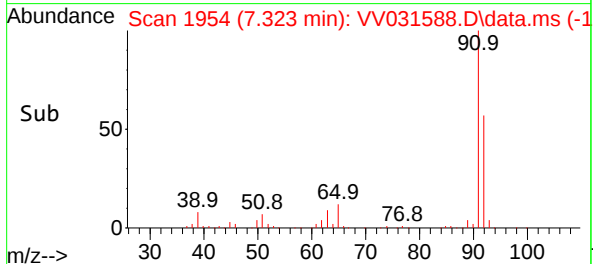
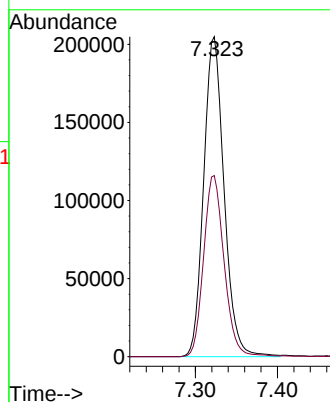
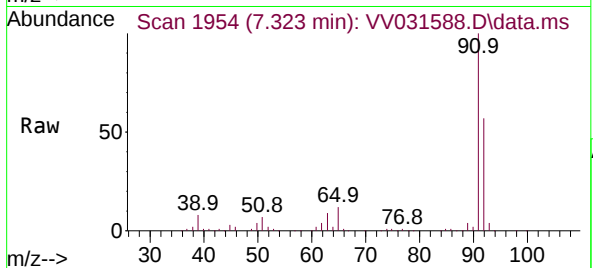
VSTD050375

Tgt Ion: 91 Resp: 354051

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.456 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031588.D

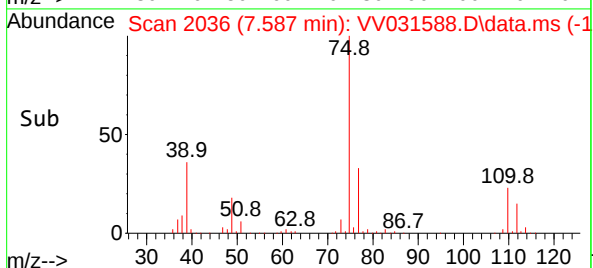
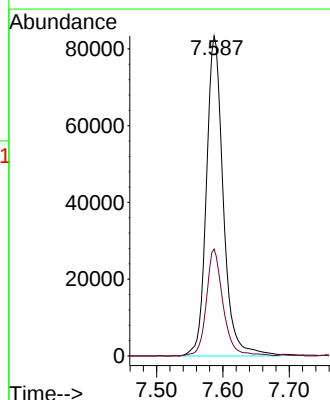
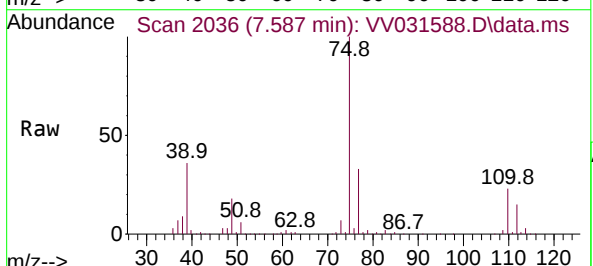
Acq: 16 Jun 2023 20:09

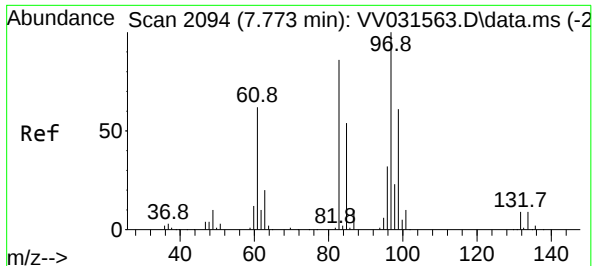
Tgt Ion: 75 Resp: 147470

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1

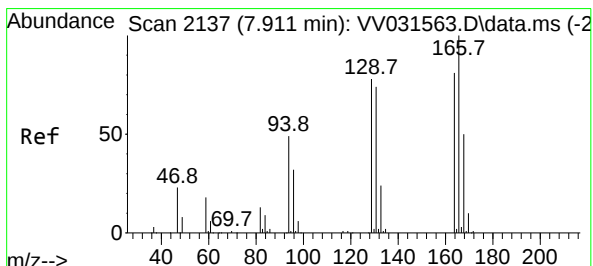
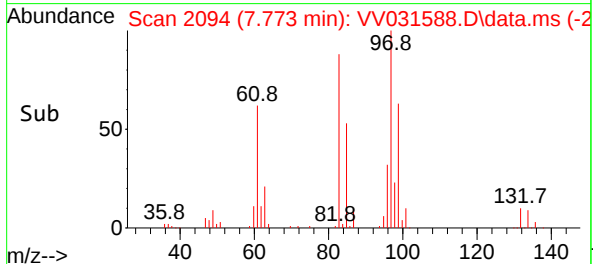
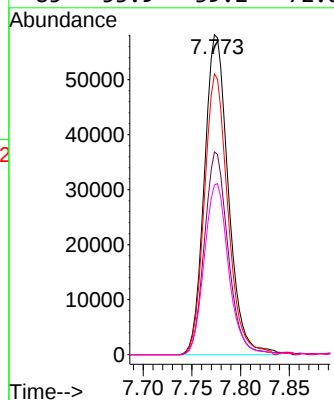
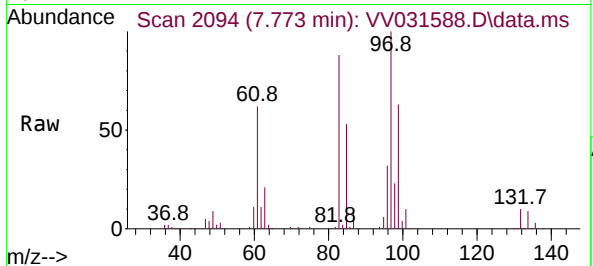




#45
1,1,2-Trichloroethane
Concen: 50.191 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

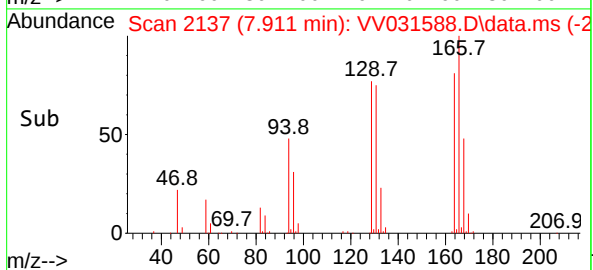
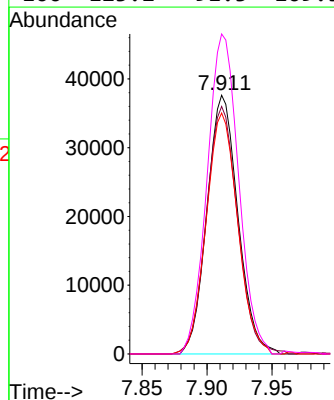
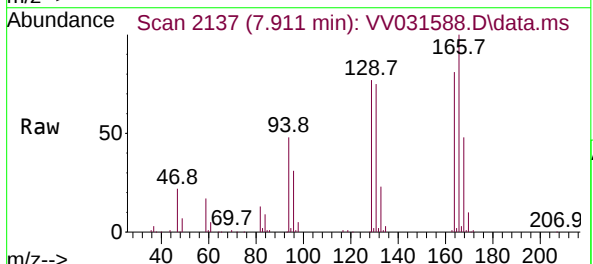
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

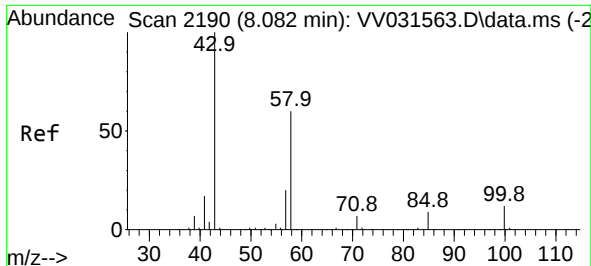
Tgt Ion:	97	Resp:	99818
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.7	81.1
83	87.7	60.9	113.1
85	53.9	39.2	72.8



#46
Tetrachloroethene
Concen: 41.463 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion:	164	Resp:	62345
Ion	Ratio	Lower	Upper
164	100		
129	95.3	68.4	127.0
131	92.6	67.6	125.6
166	123.2	91.3	169.5



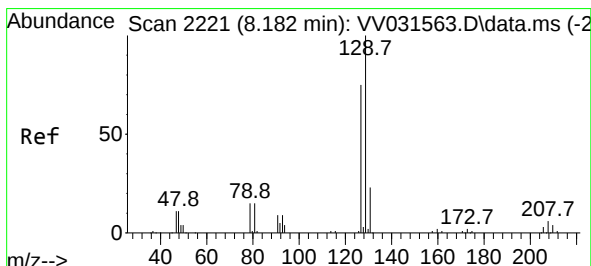
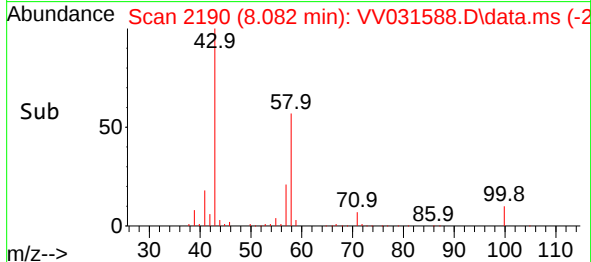
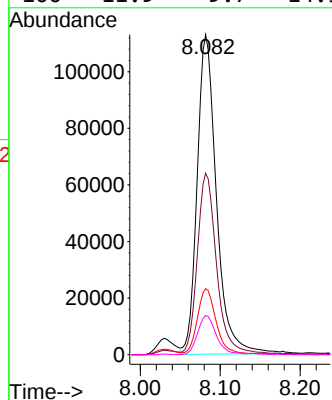
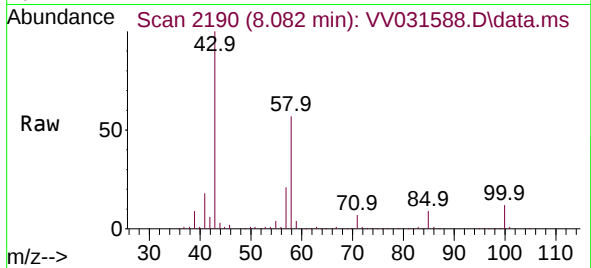


#48
2-Hexanone
Concen: 96.467 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

Tgt Ion: 43 Resp: 190458

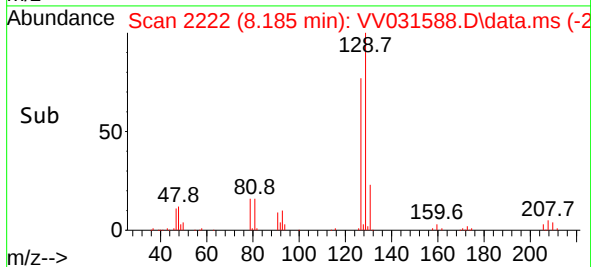
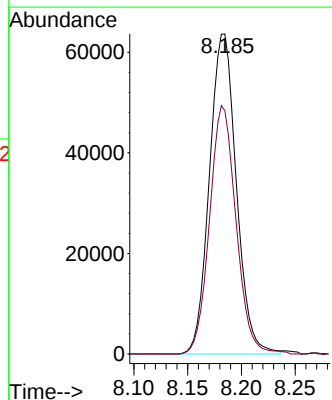
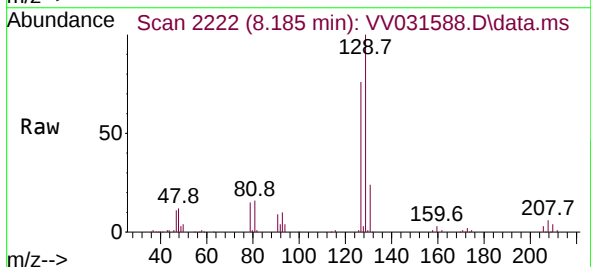
Ion	Ratio	Lower	Upper
43	100		
58	55.8	46.7	70.1
57	19.5	15.5	23.3
100	11.9	9.7	14.5

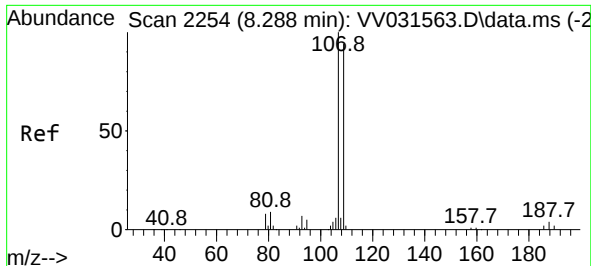


#49
Dibromochloromethane
Concen: 50.145 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 129 Resp: 110838

Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.8	103.6

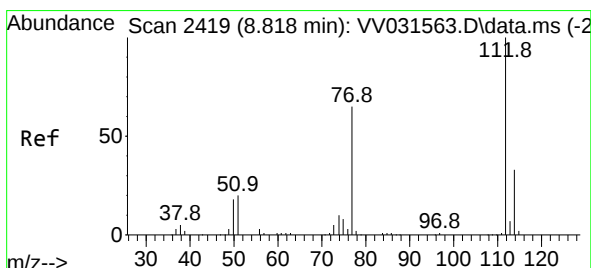
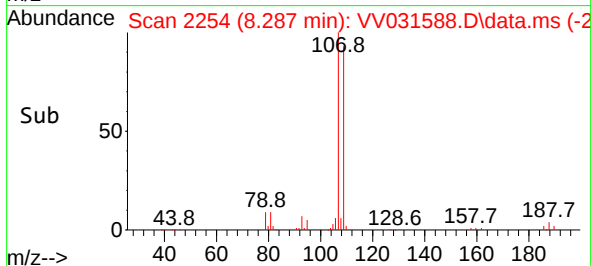
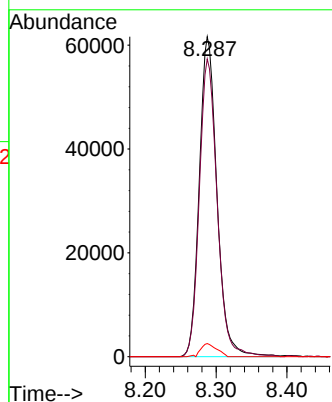
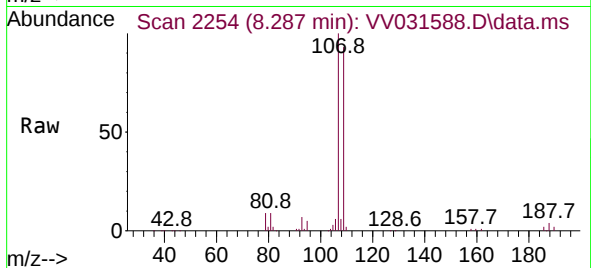




#50
1,2-Dibromoethane
Concen: 50.326 ug/L
RT: 8.287 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

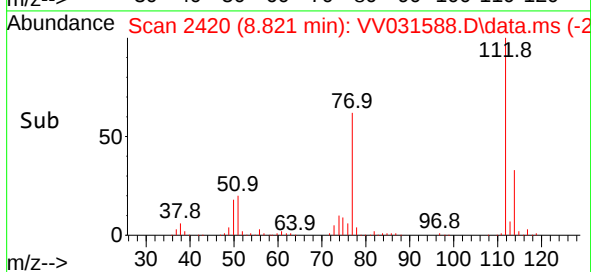
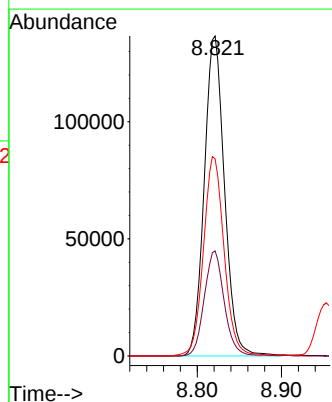
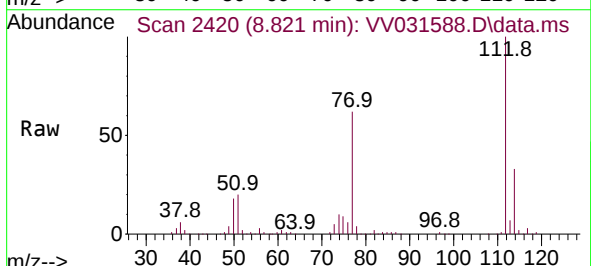
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

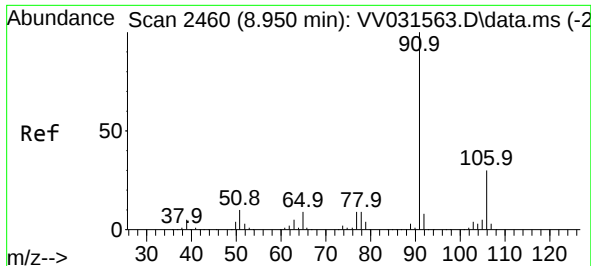
Tgt Ion:107 Resp: 106572
Ion Ratio Lower Upper
107 100
109 93.0 65.7 122.1
188 4.1 2.6 4.0#



#51
Chlorobenzene
Concen: 46.517 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.003 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion:112 Resp: 229018
Ion Ratio Lower Upper
112 100
114 32.9 22.9 42.5
77 61.7 52.5 78.7





#52

Ethylbenzene

Concen: 44.668 ug/L

RT: 8.953 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

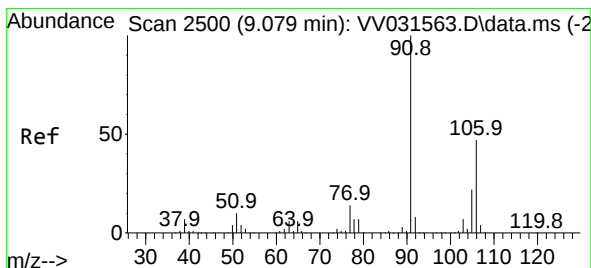
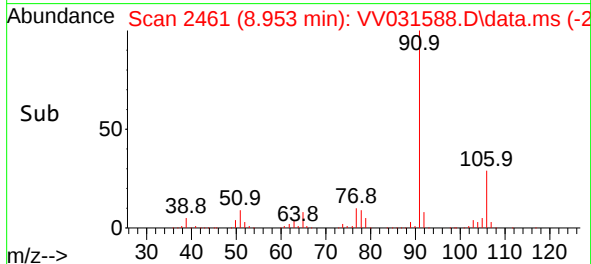
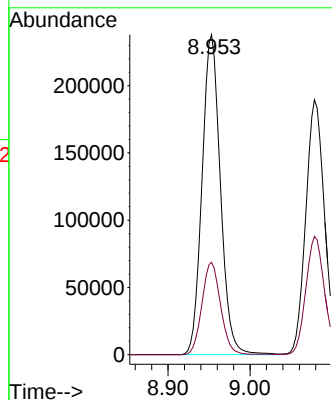
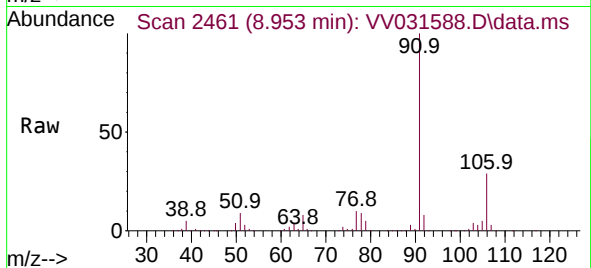
VSTD050375

Tgt Ion: 91 Resp: 370500

Ion Ratio Lower Upper

91 100

106 28.9 20.8 38.6



#53

m,p-Xylene

Concen: 46.016 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031588.D

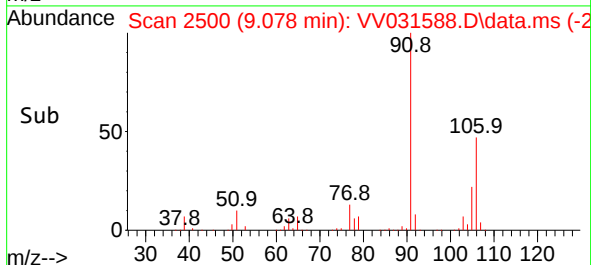
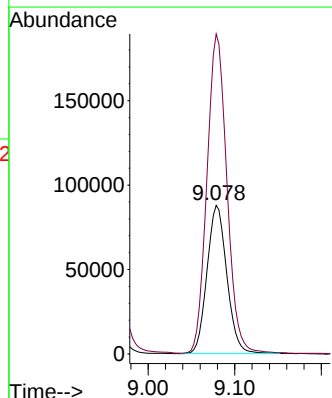
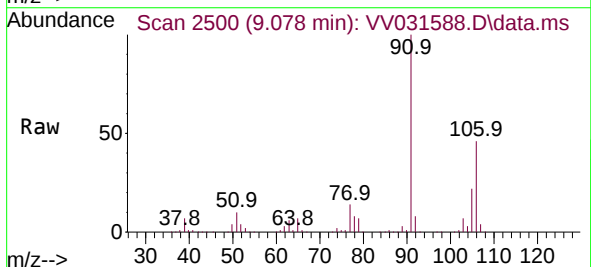
Acq: 16 Jun 2023 20:09

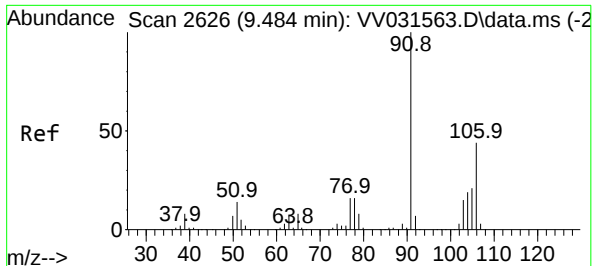
Tgt Ion:106 Resp: 139777

Ion Ratio Lower Upper

106 100

91 215.2 149.0 276.6

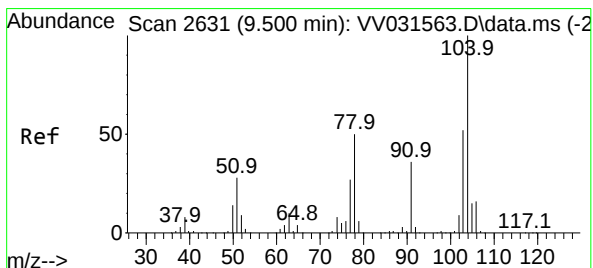
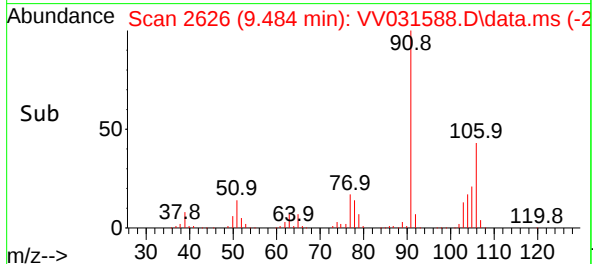
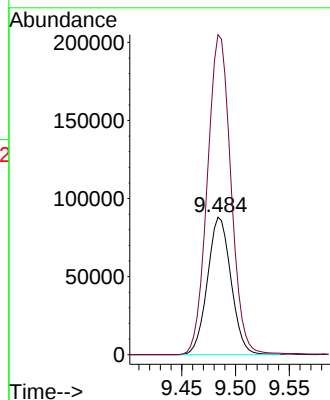
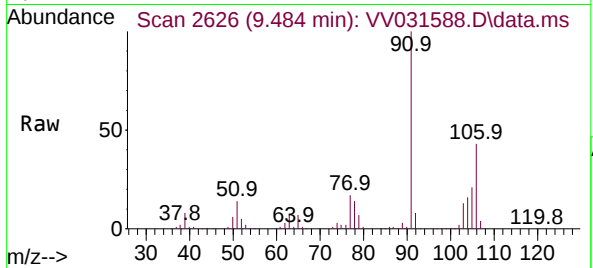




#54
o-Xylene
Concen: 46.606 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

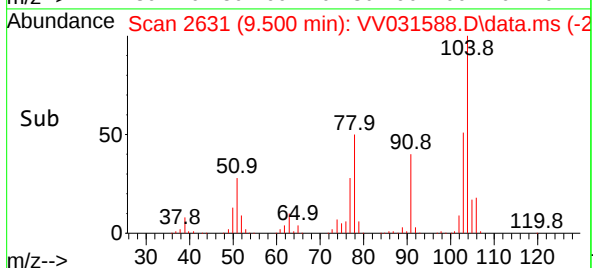
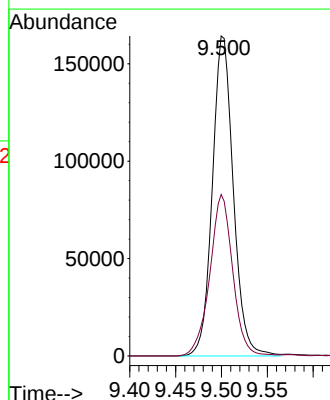
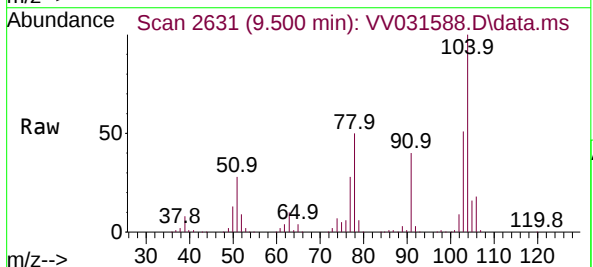
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

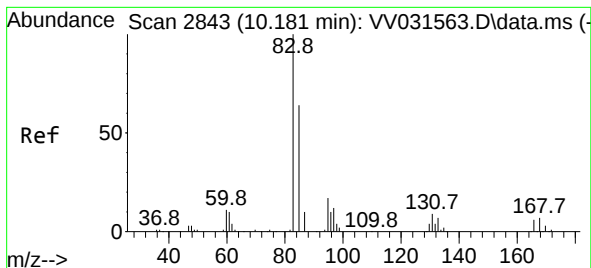
Tgt Ion:106 Resp: 134346
Ion Ratio Lower Upper
106 100
91 232.9 161.3 299.7



#55
Styrene
Concen: 50.704 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion:104 Resp: 261030
Ion Ratio Lower Upper
104 100
78 50.4 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 50.056 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

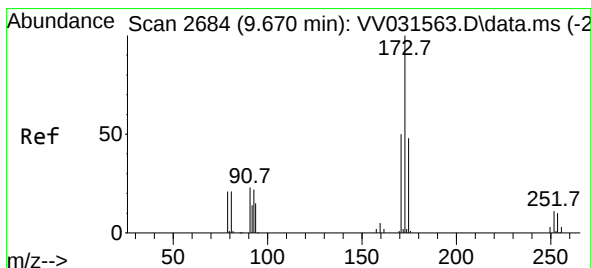
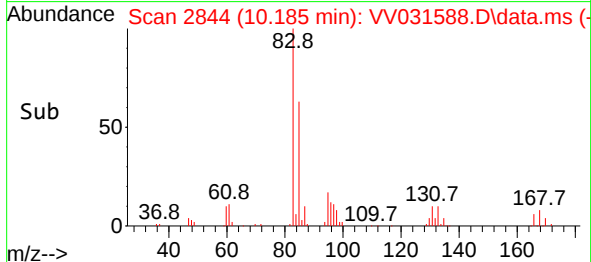
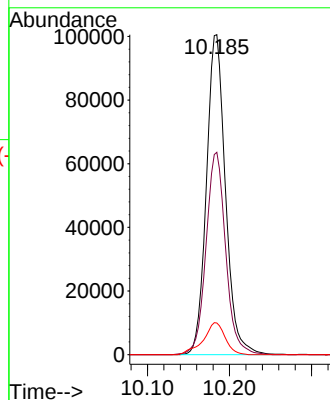
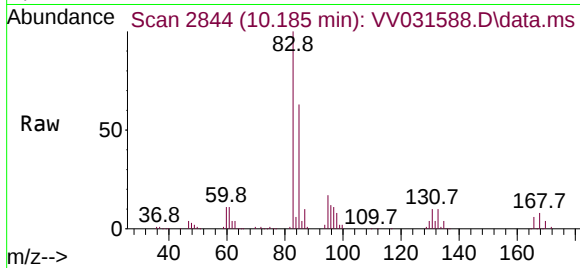
Tgt Ion: 83 Resp: 162657

Ion Ratio Lower Upper

83 100

85 63.2 43.1 80.1

131 13.9 10.6 16.0



#59

Bromoform

Concen: 52.701 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

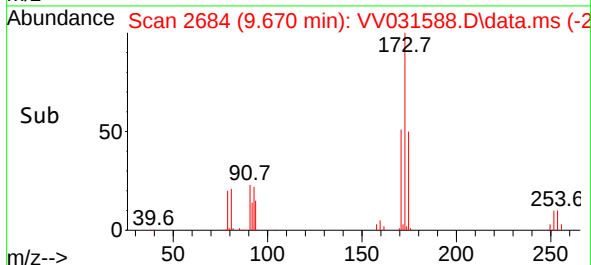
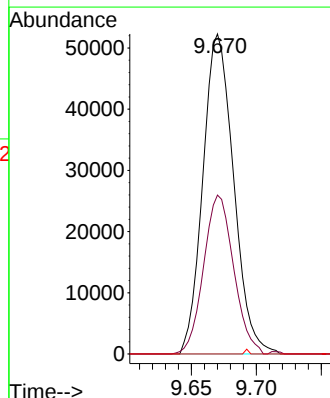
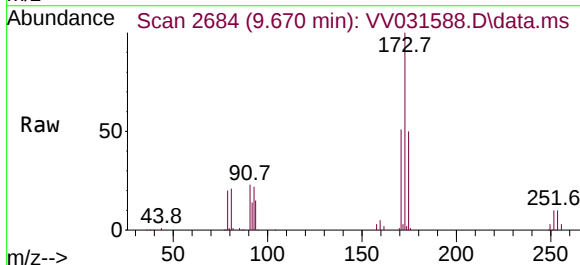
Tgt Ion: 173 Resp: 85974

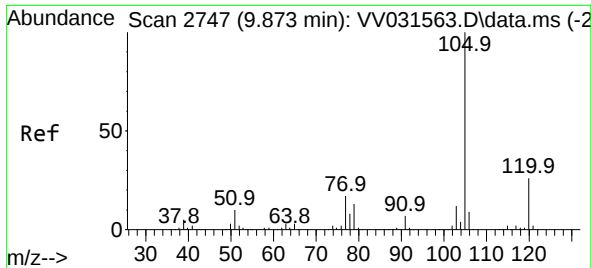
Ion Ratio Lower Upper

173 100

175 48.5 37.7 56.5

254 0.0 0.1 0.1#

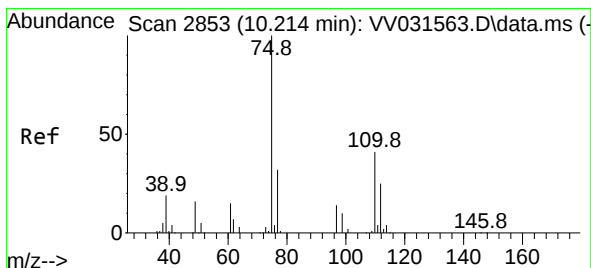
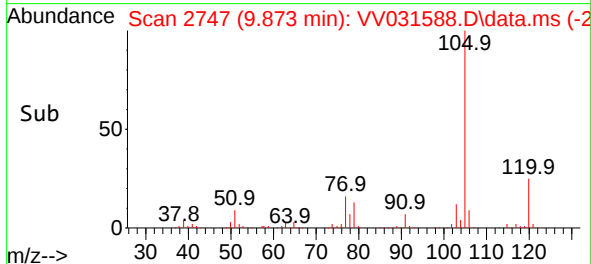
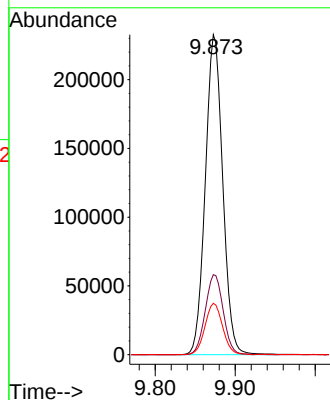
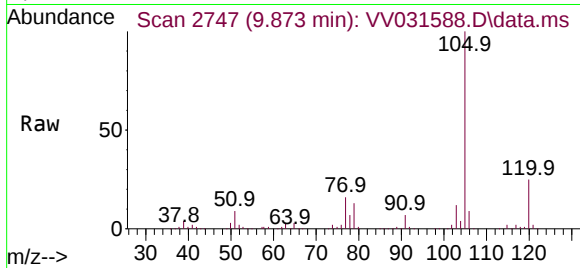




#60
Isopropylbenzene
Concen: 42.092 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

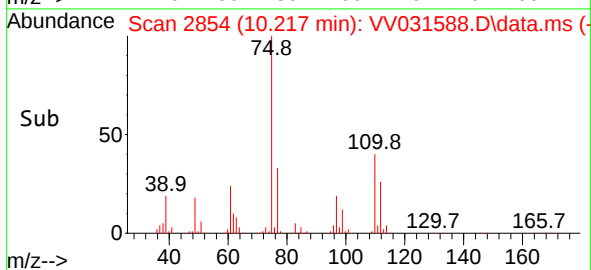
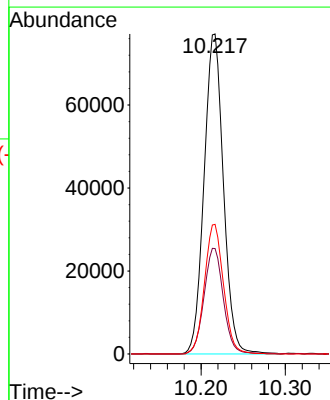
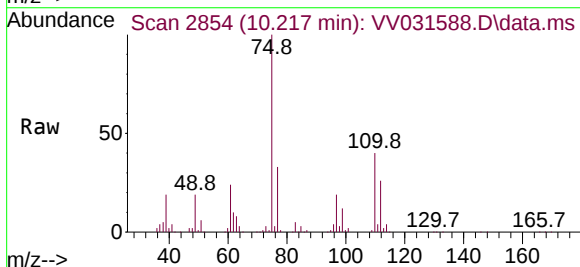
Instrument :
MSVOA_V
ClientSampleId :
VSTD050375

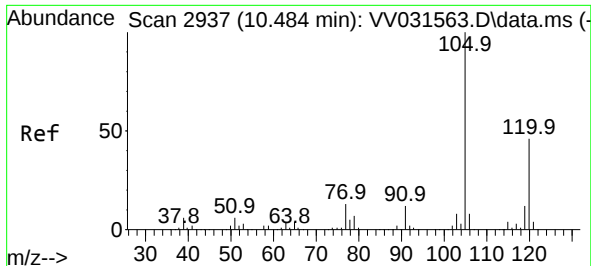
Tgt Ion:105 Resp: 353166
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.2
77 16.3 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 47.509 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031588.D
Acq: 16 Jun 2023 20:09

Tgt Ion: 75 Resp: 123495
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
110 39.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 42.285 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

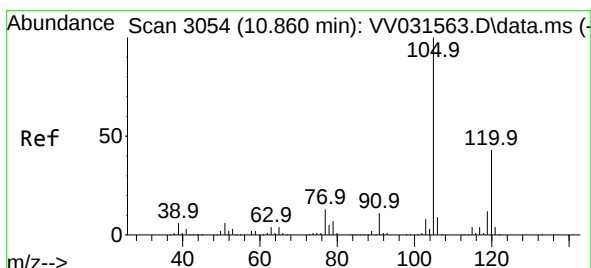
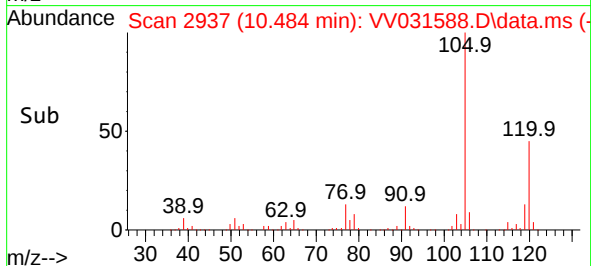
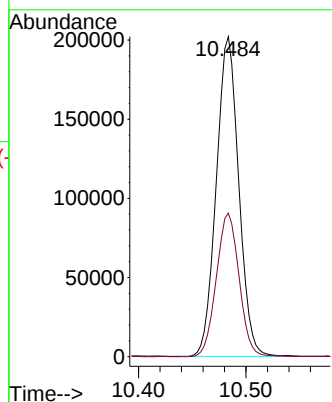
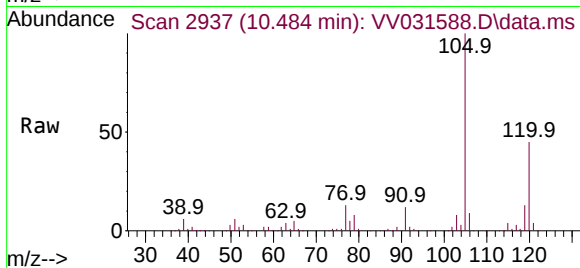
VSTD050375

Tgt Ion:105 Resp: 293225

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 43.616 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031588.D

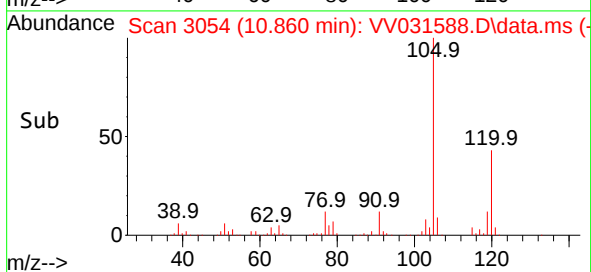
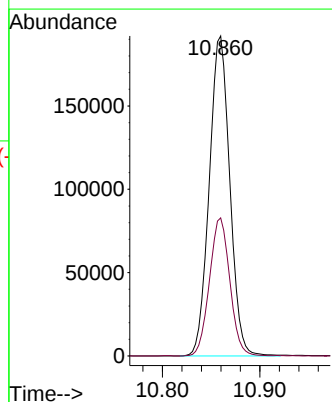
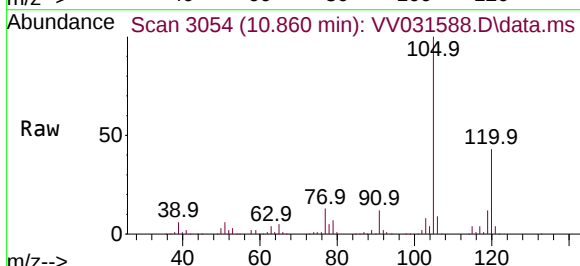
Acq: 16 Jun 2023 20:09

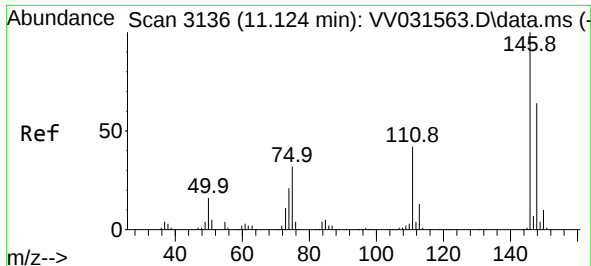
Tgt Ion:105 Resp: 281812

Ion Ratio Lower Upper

105 100

120 42.7 33.4 50.2

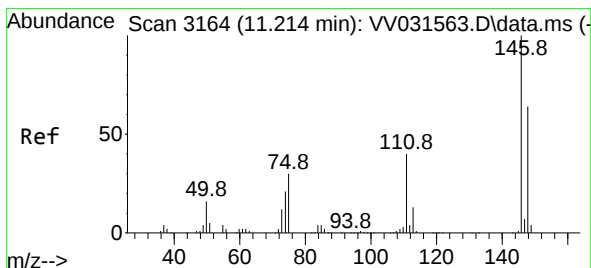
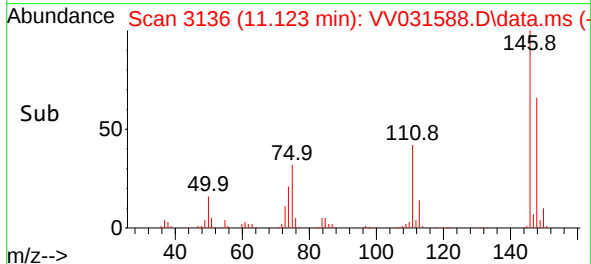
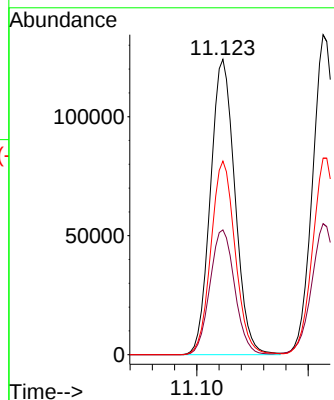
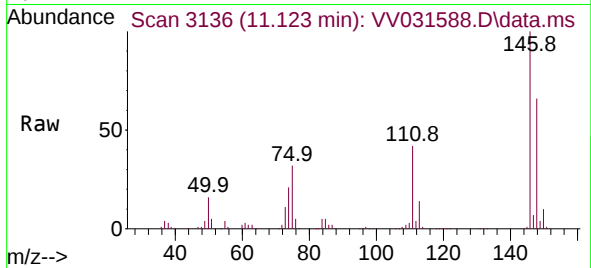




#64
 1,3-Dichlorobenzene
 Concen: 45.202 ug/L
 RT: 11.123 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

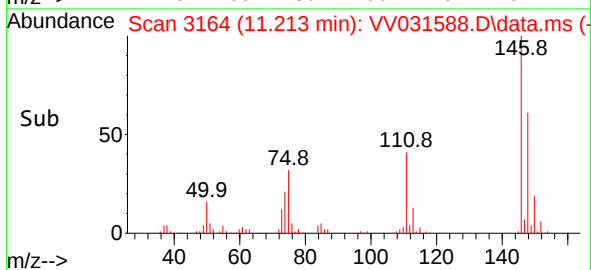
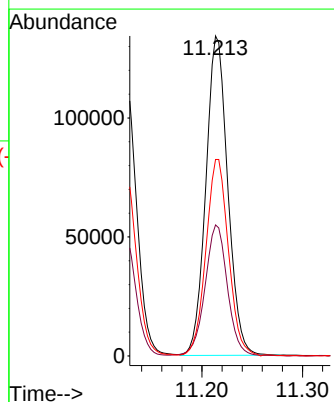
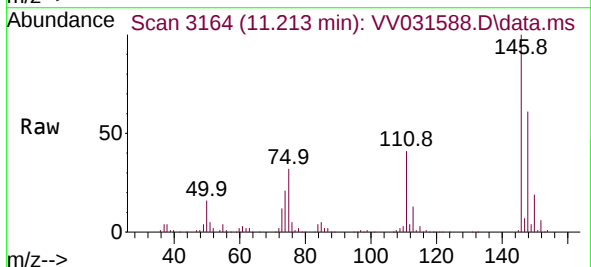
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050375

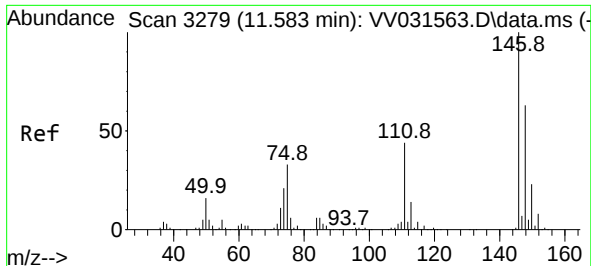
Tgt Ion:146 Resp: 190142
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.4 56.5
 148 65.6 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 45.326 ug/L
 RT: 11.213 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

Tgt Ion:146 Resp: 203173
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.9 51.7
 148 61.4 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 46.413 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

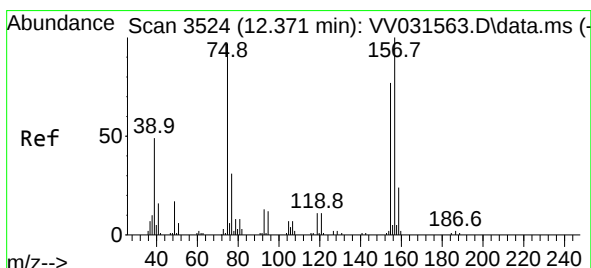
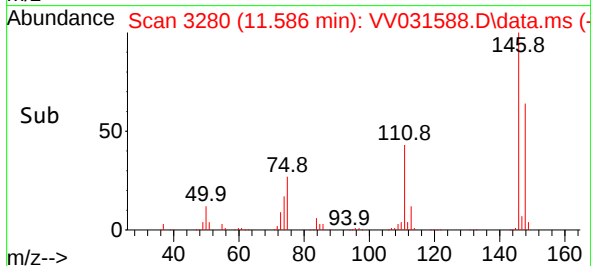
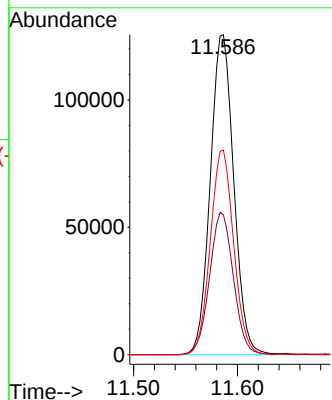
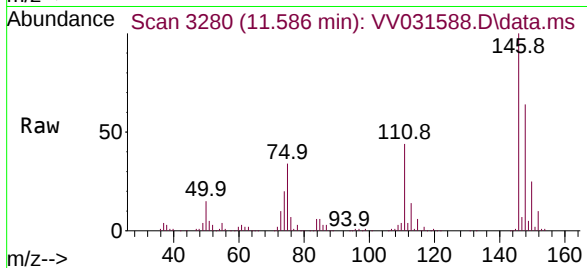
Tgt Ion:146 Resp: 197050

Ion Ratio Lower Upper

146 100

111 43.7 35.9 53.9

148 64.0 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 45.526 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

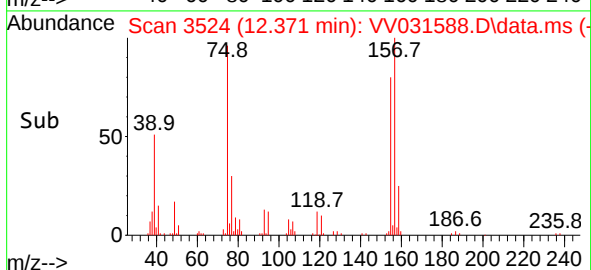
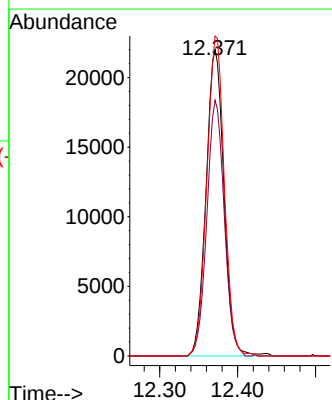
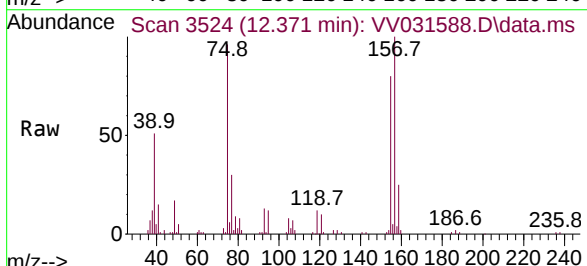
Tgt Ion: 75 Resp: 35124

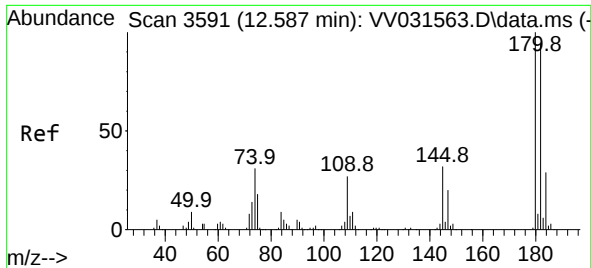
Ion Ratio Lower Upper

75 100

155 83.4 63.2 94.8

157 104.4 85.3 127.9

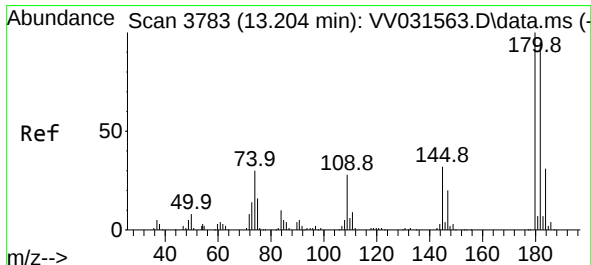
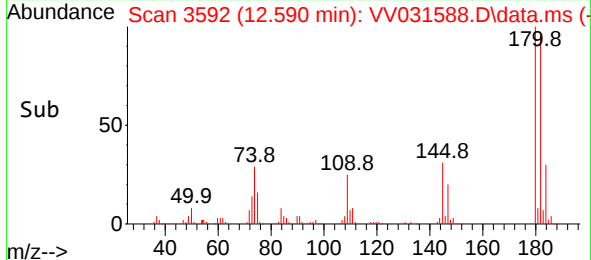
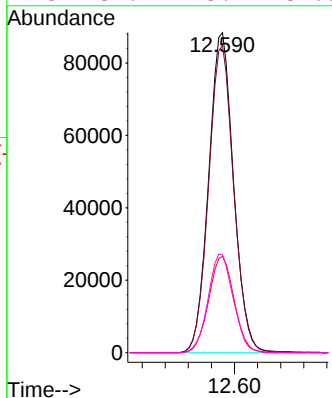
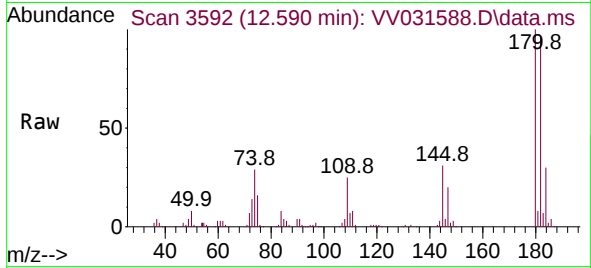




#69
 1,3,5-Trichlorobenzene
 Concen: 41.239 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.003 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

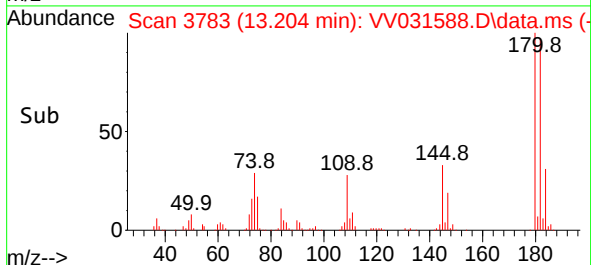
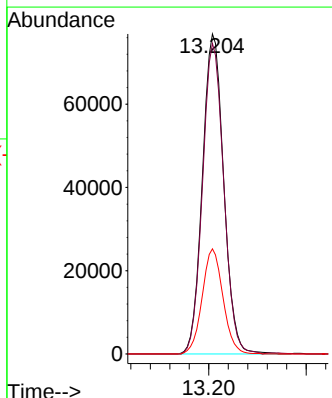
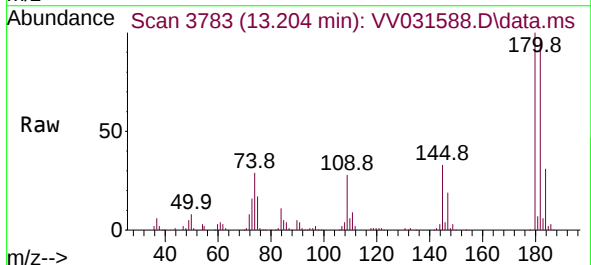
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050375

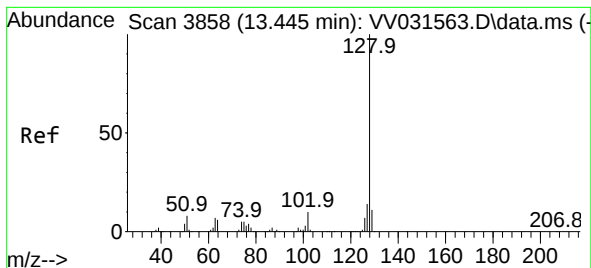
Tgt Ion:180 Resp: 132179
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 115.0
 184 30.7 24.7 37.1
 145 31.1 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 41.506 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031588.D
 Acq: 16 Jun 2023 20:09

Tgt Ion:180 Resp: 116612
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.7 116.5
 145 32.1 26.1 39.1





#71

Naphthalene

Concen: 43.706 ug/L

RT: 13.445 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050375

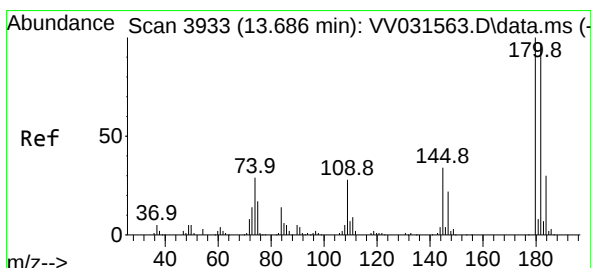
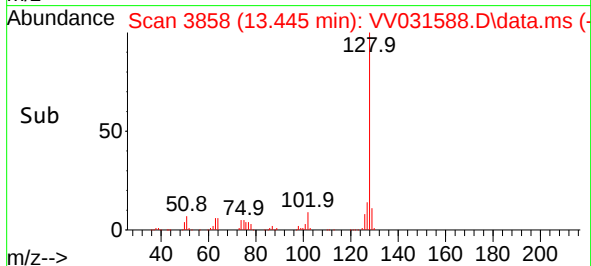
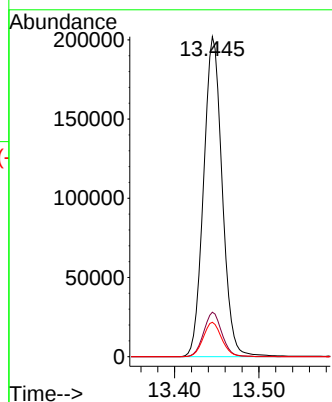
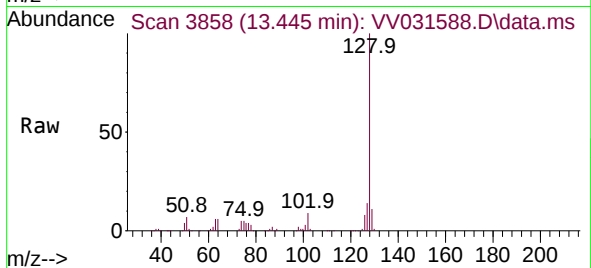
Tgt Ion:128 Resp: 311029

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 43.614 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031588.D

Acq: 16 Jun 2023 20:09

Tgt Ion:180 Resp: 127334

Ion Ratio Lower Upper

180 100

182 95.4 74.0 111.0

145 34.6 26.2 39.2

