

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061923\
 Data File : VW031590.D
 Acq On : 19 Jun 2023 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050376

Quant Time: Jun 20 01:55:07 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	234695	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	236976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	150126	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	91965	58.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 117.760%	
7) Chloroethane-d5	1.536	69	75749	55.580	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 111.160%	
11) 1,1-Dichloroethene-d2	2.063	65	45019	55.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 111.840%	
21) 2-Butanone-d5	3.799	46	107695	85.150	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 85.150%	
24) Chloroform-d	4.256	84	185330	47.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.760%	
26) 1,2-Dichloroethane-d4	4.947	65	118666	48.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 96.960%	
32) Benzene-d6	4.966	84	352145	52.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.580%	
36) 1,2-Dichloropropane-d6	5.995	67	112550	47.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 95.220%	
41) Toluene-d8	7.249	98	341324	55.762	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 111.520%	
43) trans-1,3-Dichloroprop...	7.555	79	55669	48.302	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 96.600%	
47) 2-Hexanone-d5	8.031	63	86724	92.906	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 92.910%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	163511	45.821	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 91.640%	
66) 1,2-Dichlorobenzene-d4	11.564	152	133323	46.589	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.180%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.108	85	114818	46.122	ug/L	98
3) Chloromethane	1.217	50	98512	41.937	ug/L	97
5) Vinyl chloride	1.288	62	103084	44.268	ug/L	100
6) Bromomethane	1.494	94	68208	44.941	ug/L	98
8) Chloroethane	1.555	64	62059	41.263	ug/L	94
9) Trichlorofluoromethane	1.719	101	181271	46.791	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	102786	49.509	ug/L	98
12) 1,1-Dichloroethene	2.076	96	81224	46.773	ug/L	98
13) Acetone	2.124	43	96010	76.930	ug/L	99
14) Carbon disulfide	2.246	76	249432	47.484	ug/L	100
15) Methyl Acetate	2.378	43	92036	43.801	ug/L	96
16) Methylene chloride	2.455	84	99091	45.514	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	84542	46.639	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	284472	47.032	ug/L	98
19) 1,1-Dichloroethane	3.118	63	182589	46.671	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	93079	47.514	ug/L	91
22) 2-Butanone	3.880	43	133409	85.569	ug/L	99
23) Bromochloromethane	4.153	128	53041	50.090	ug/L	96
25) Chloroform	4.281	83	204231	50.217	ug/L	100

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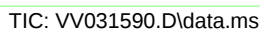
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 Quant Title : VOC Analysis
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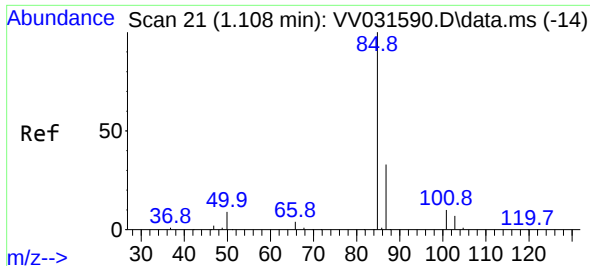
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	150027	47.797	ug/L	97
29) Cyclohexane	4.590	56	139338	45.194	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	179796	47.322	ug/L	99
31) Carbon tetrachloride	4.741	117	162175	48.174	ug/L	97
33) Benzene	5.015	78	375929	47.647	ug/L	100
34) Trichloroethene	5.838	95	100096	47.477	ug/L	89
35) Methylcyclohexane	6.056	83	148642	47.849	ug/L	98
37) 1,2-Dichloropropane	6.098	63	106835	46.113	ug/L	98
38) Bromodichloromethane	6.439	83	150469	48.050	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	163054	47.411	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	253585	93.216	ug/L	98
42) Toluene	7.320	91	414284	50.644	ug/L	98
44) trans-1,3-Dichloropropene	7.584	75	164424	49.094	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	103557	47.317	ug/L	99
46) Tetrachloroethene	7.908	164	81381	49.182	ug/L	99
48) 2-Hexanone	8.079	43	208842	96.122	ug/L	98
49) Dibromochloromethane	8.182	129	123067	50.594	ug/L	98
50) 1,2-Dibromoethane	8.285	107	113714	48.796	ug/L	100
51) Chlorobenzene	8.818	112	261503	48.266	ug/L	96
52) Ethylbenzene	8.950	91	446306	48.894	ug/L	100
53) m,p-Xylene	9.079	106	168288	50.344	ug/L	98
54) o-Xylene	9.484	106	159819	50.381	ug/L	98
55) Styrene	9.500	104	305027	53.841	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	171485	47.954	ug/L	97
59) Bromoform	9.670	173	92212	49.552	ug/L	100
60) Isopropylbenzene	9.873	105	451366	47.160	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	132499	44.685	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	375487	47.468	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	350135	47.505	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	231733	48.294	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	242568	47.439	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	232693	48.047	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	37901	43.065	ug/L	98
69) 1,3,5-Trichlorobenzene	12.587	180	168325	46.038	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	143655	44.824	ug/L	99
71) Naphthalene	13.445	128	339289	41.796	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	152209	45.703	ug/L	98

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

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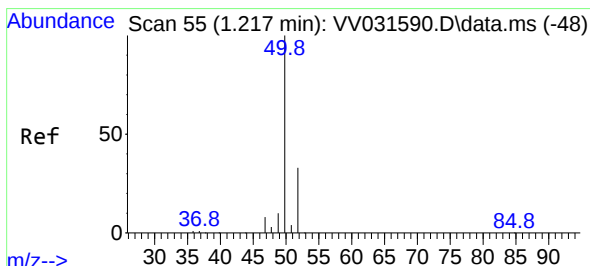
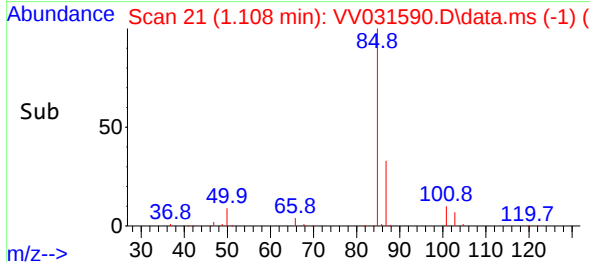
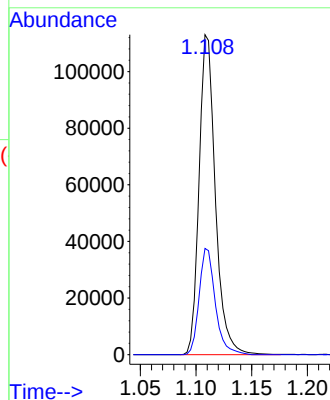
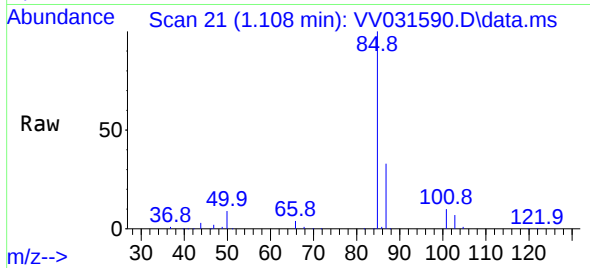




#2
 Dichlorodifluoromethane
 Concen: 46.122 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV031590.D
 Acq: 19 Jun 2023 09:23

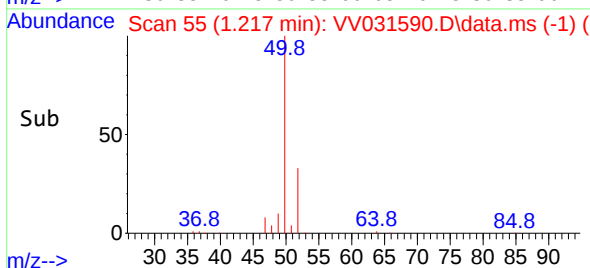
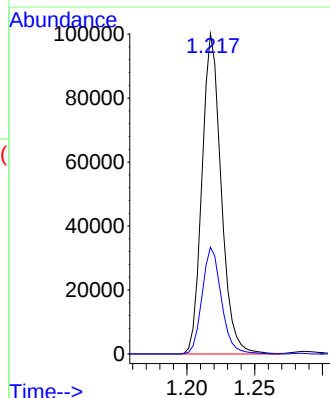
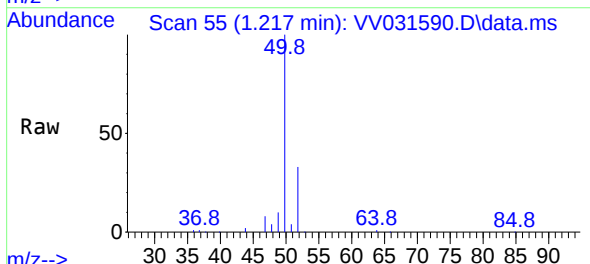
Instrument : MSVOA_V
 ClientSampleId : VSTD050376

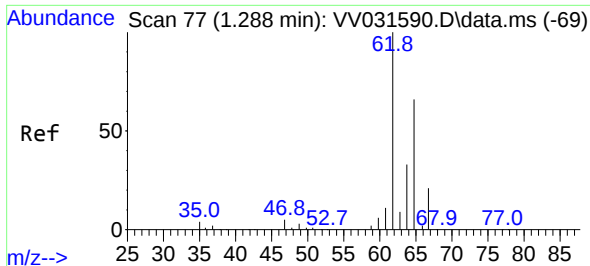
Tgt Ion: 85 Resp: 114818
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.5 38.3



#3
 Chloromethane
 Concen: 41.937 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031590.D
 Acq: 19 Jun 2023 09:23

Tgt Ion: 50 Resp: 98512
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.3 41.5

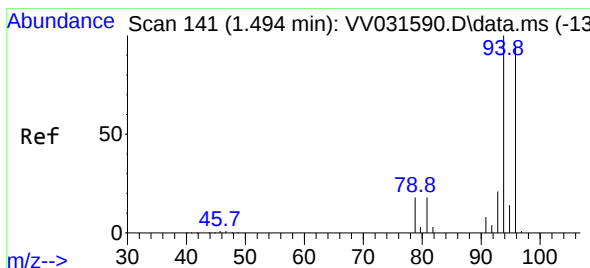
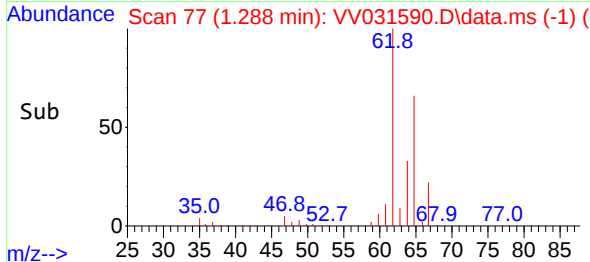
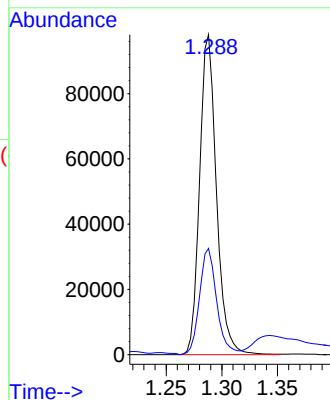
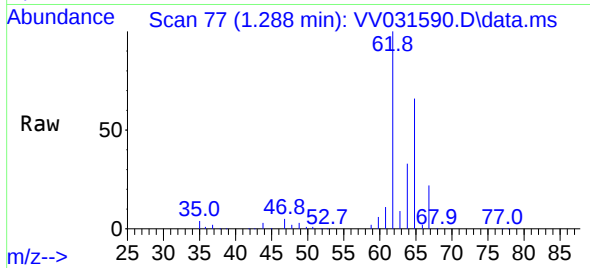




#5
 Vinyl chloride
 Concen: 44.268 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV031590.D
 Acq: 19 Jun 2023 09:23

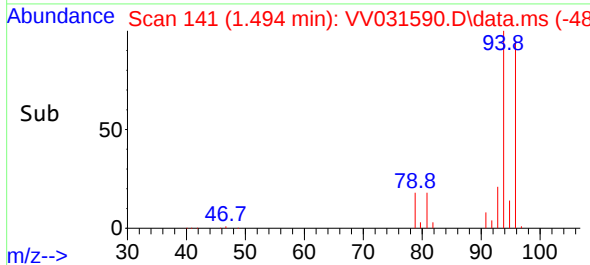
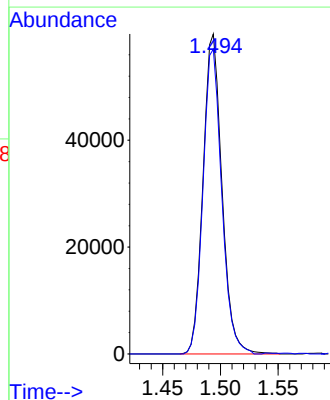
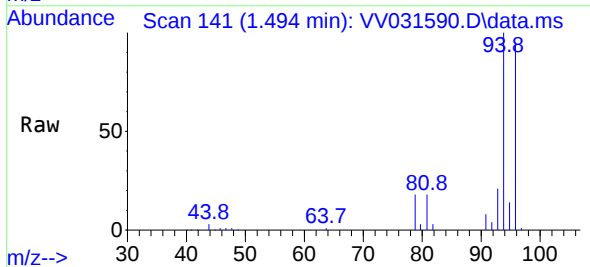
Instrument :
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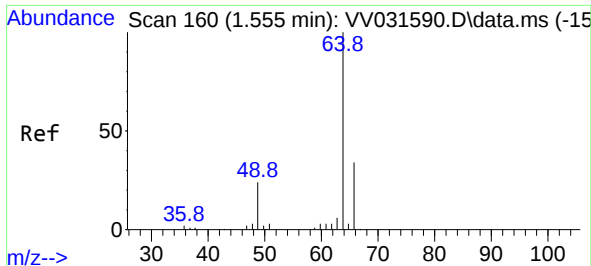
Tgt Ion: 62 Resp: 103084
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.4 43.4



#6
 Bromomethane
 Concen: 44.941 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV031590.D
 Acq: 19 Jun 2023 09:23

Tgt Ion: 94 Resp: 68208
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.4 121.4

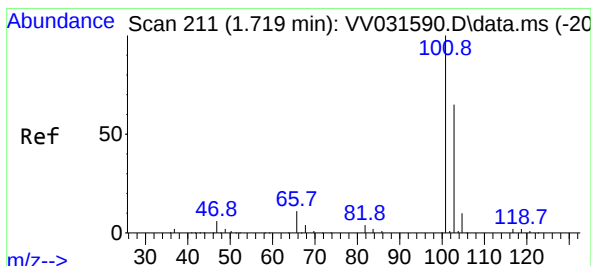
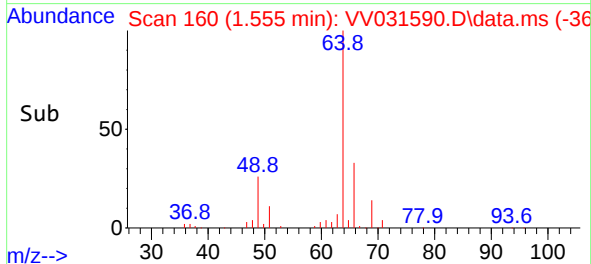
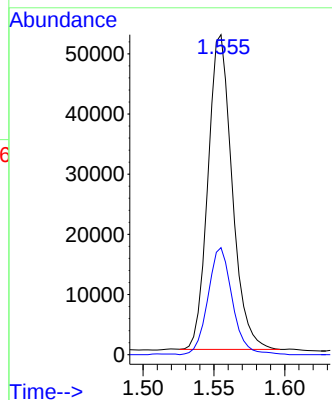
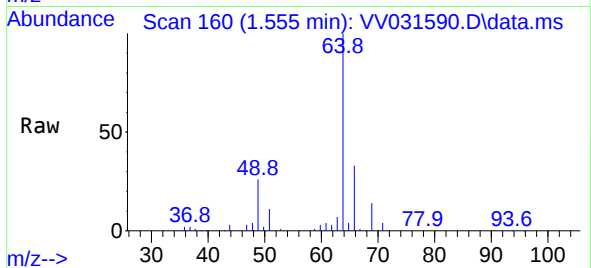




#8
Chloroethane
Concen: 41.263 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

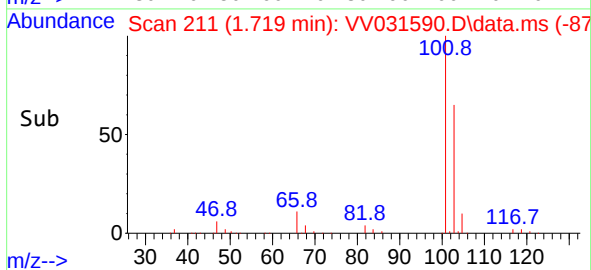
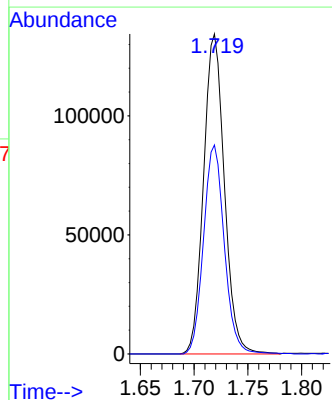
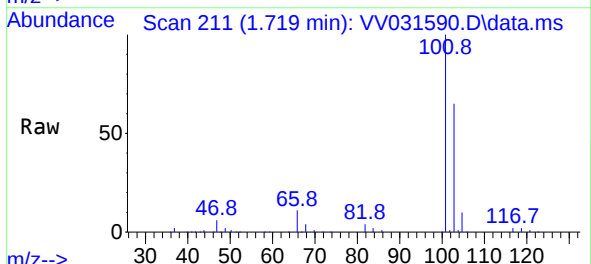
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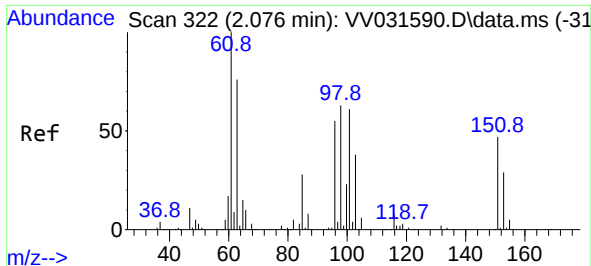
Tgt Ion: 64 Resp: 62059
Ion Ratio Lower Upper
64 100
66 33.4 21.0 39.0



#9
Trichlorofluoromethane
Concen: 46.791 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 101 Resp: 181271
Ion Ratio Lower Upper
101 100
103 65.1 50.9 76.3

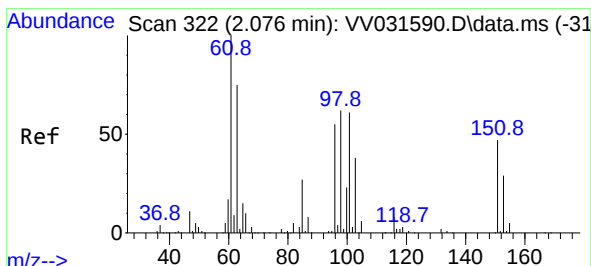
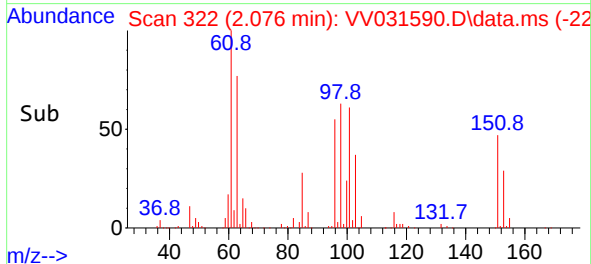
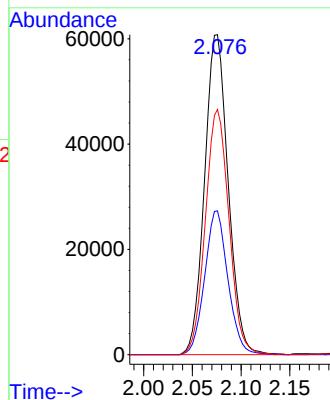
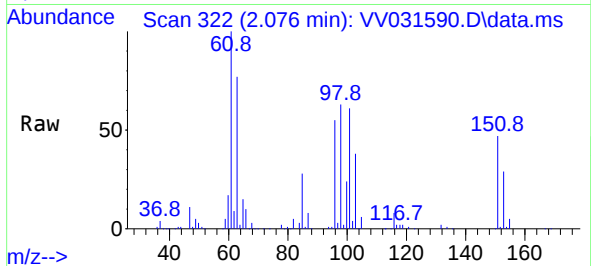




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.509 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

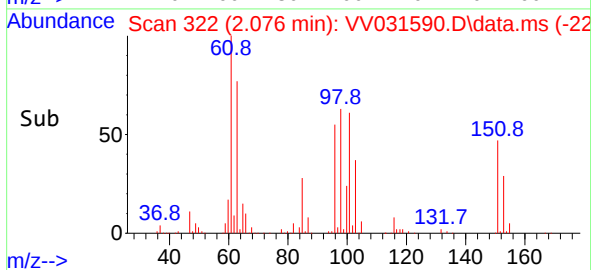
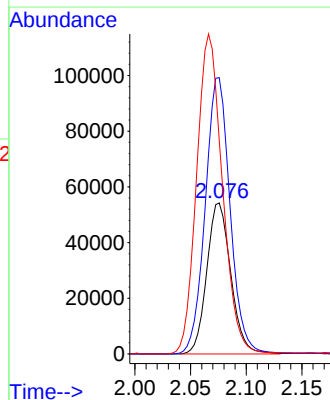
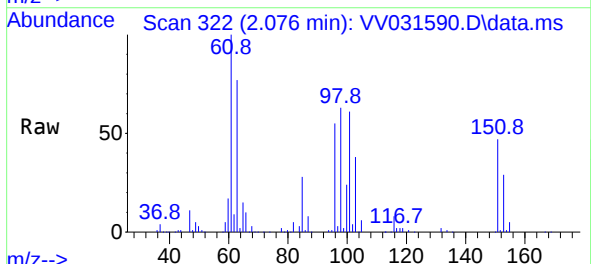
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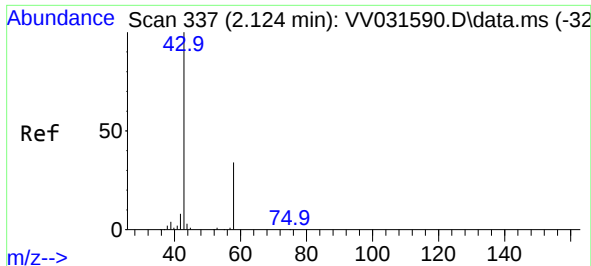
Tgt Ion:101 Resp: 102786
Ion Ratio Lower Upper
101 100
85 44.2 37.4 56.0
151 76.5 62.3 93.5



#12
1,1-Dichloroethene
Concen: 46.773 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 96 Resp: 81224
Ion Ratio Lower Upper
96 100
61 182.9 128.9 239.5
63 141.5 95.3 177.1





#13

Acetone

Concen: 76.930 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

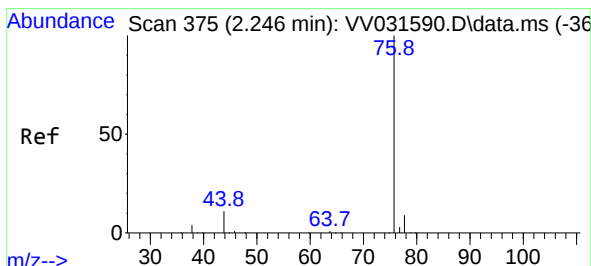
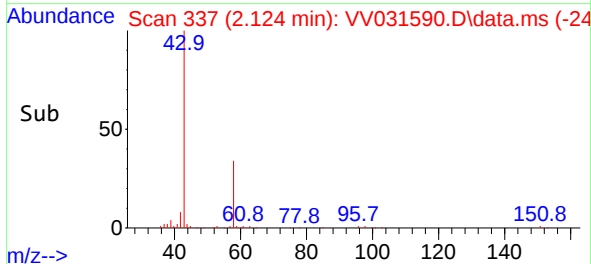
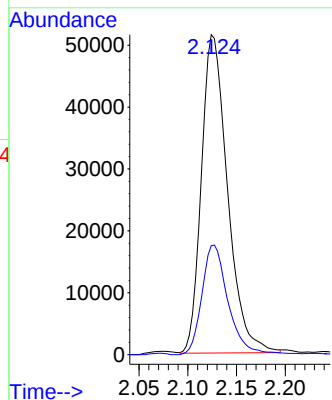
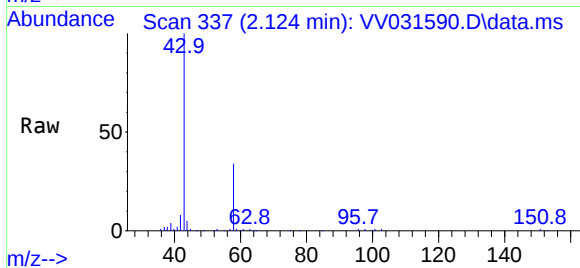
VSTD050376

Tgt Ion: 43 Resp: 96010

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.6



#14

Carbon disulfide

Concen: 47.484 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031590.D

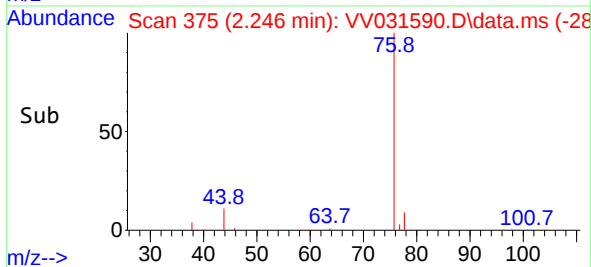
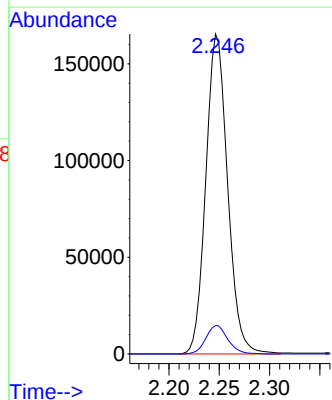
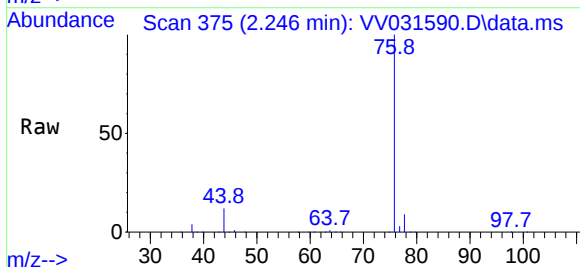
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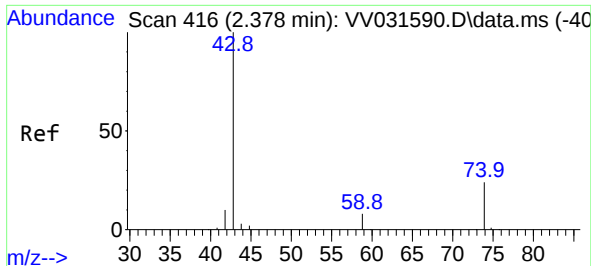
Tgt Ion: 76 Resp: 249432

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

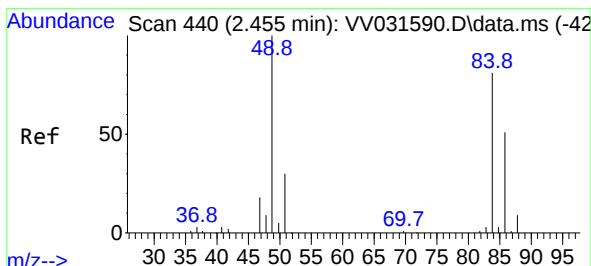
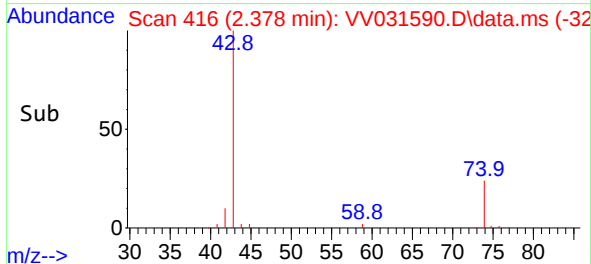
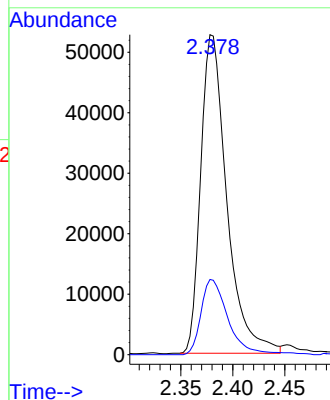
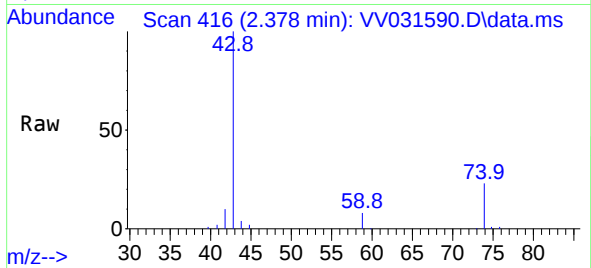




#15
Methyl Acetate
Concen: 43.801 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

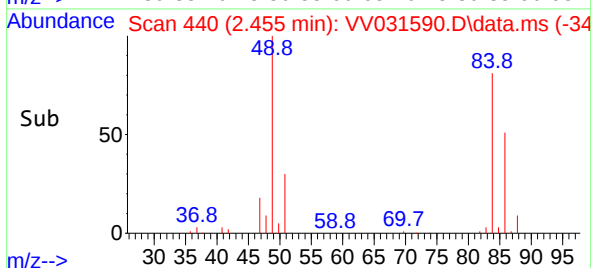
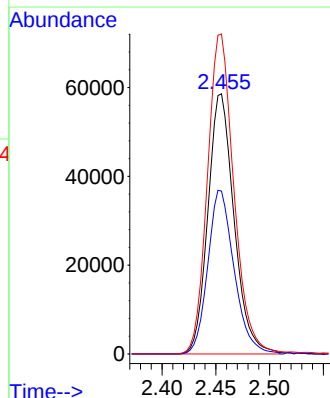
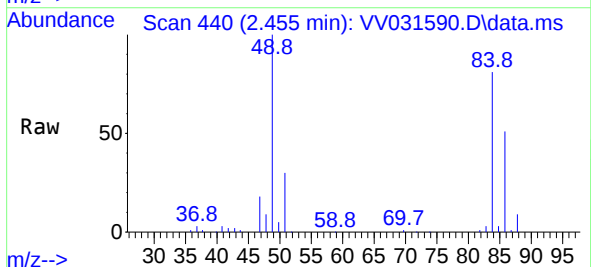
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

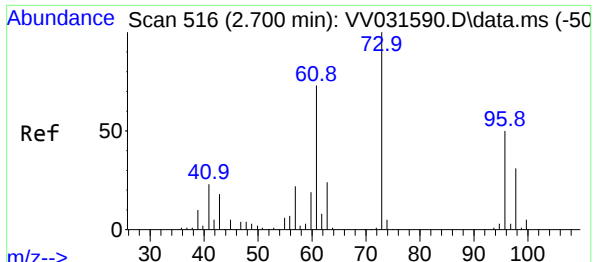
Tgt Ion: 43 Resp: 92036
Ion Ratio Lower Upper
43 100
74 24.3 17.8 26.6



#16
Methylene chloride
Concen: 45.514 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 84 Resp: 99091
Ion Ratio Lower Upper
84 100
86 62.6 45.8 85.0
49 123.0 92.1 171.1

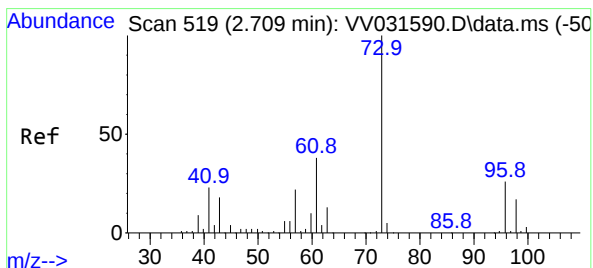
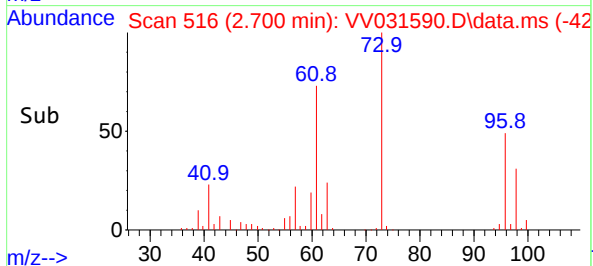
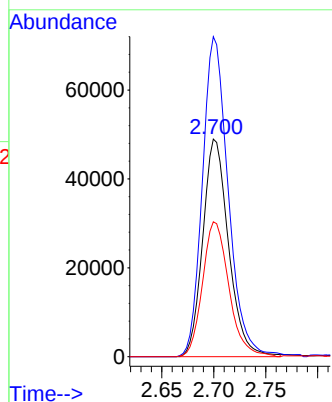
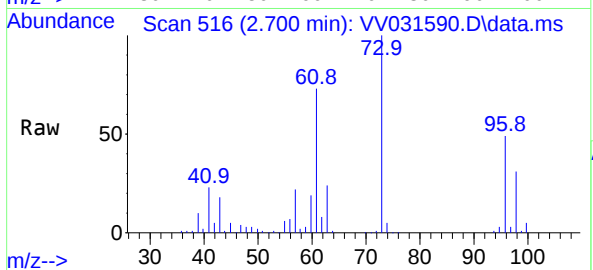




#17
trans-1,2-Dichloroethene
Concen: 46.639 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

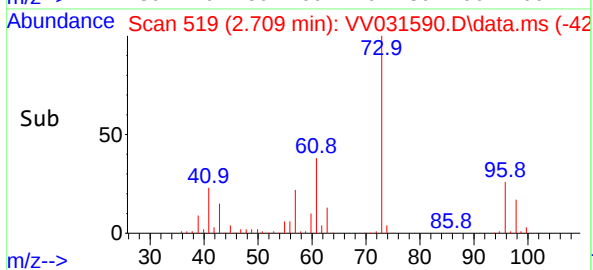
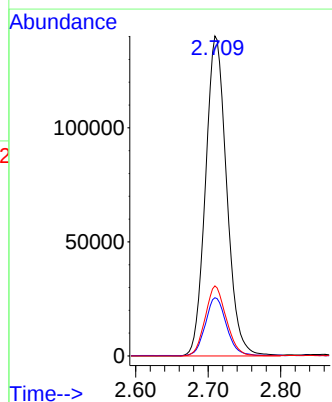
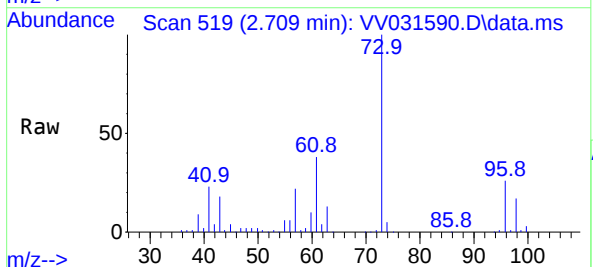
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

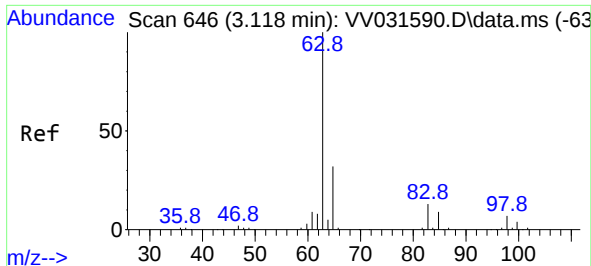
Tgt Ion: 96 Resp: 84542
Ion Ratio Lower Upper
96 100
61 147.1 102.5 190.3
98 62.0 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 47.032 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 73 Resp: 284472
Ion Ratio Lower Upper
73 100
43 18.0 15.0 22.4
57 21.9 18.2 27.4

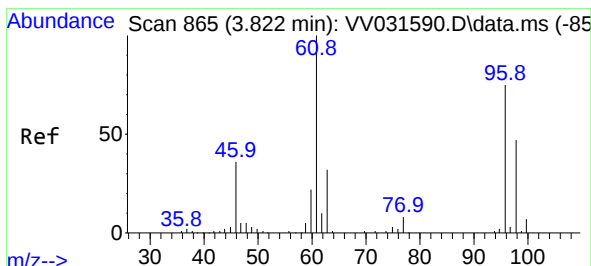
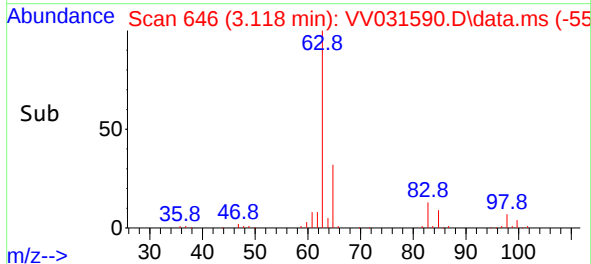
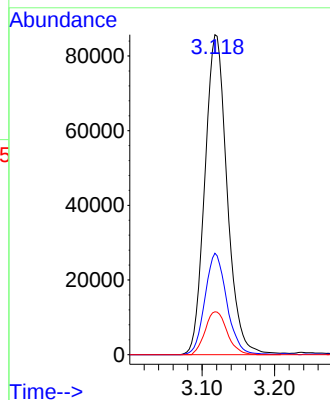
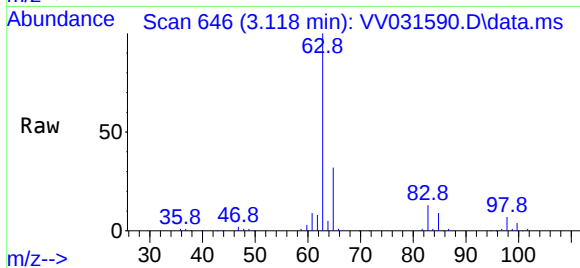




#19
1,1-Dichloroethane
Concen: 46.671 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

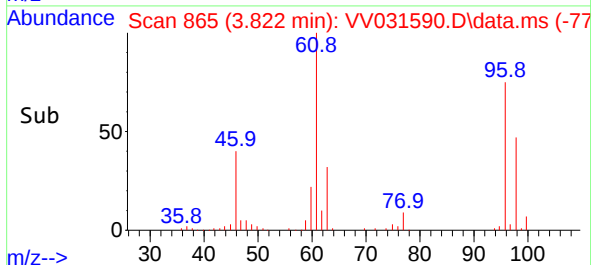
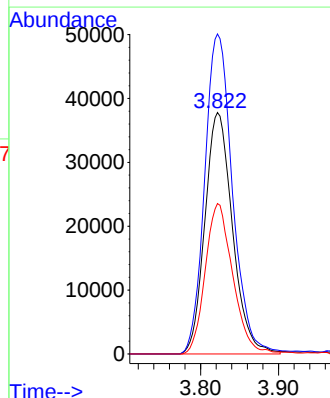
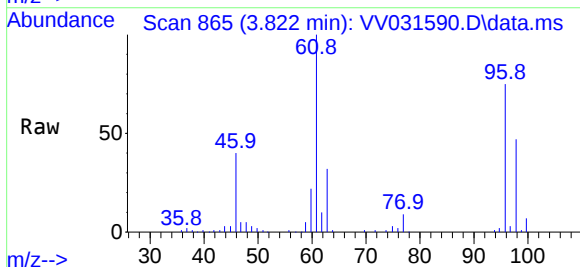
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

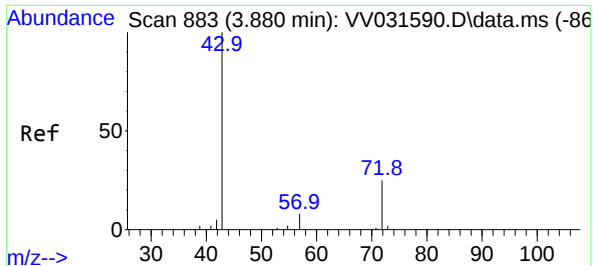
Tgt Ion: 63 Resp: 182589
Ion Ratio Lower Upper
63 100
65 31.7 22.5 41.7
83 14.2 10.0 18.6



#20
cis-1,2-Dichloroethene
Concen: 47.514 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 96 Resp: 93079
Ion Ratio Lower Upper
96 100
61 127.7 98.6 183.0
98 60.0 45.7 84.9

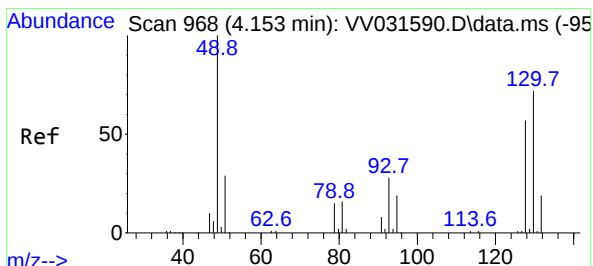
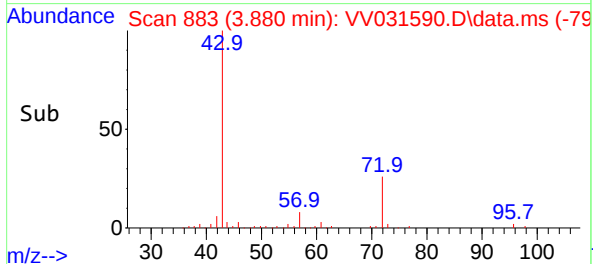
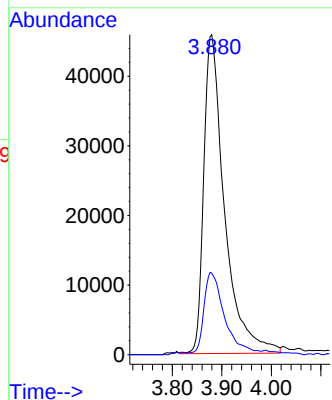
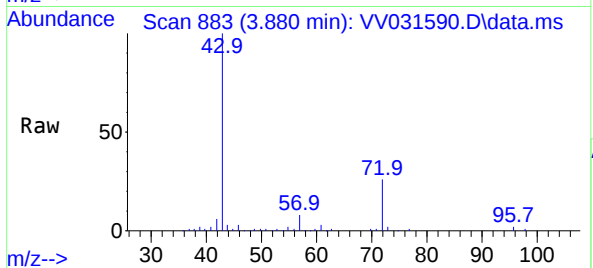




#22
2-Butanone
Concen: 85.569 ug/L
RT: 3.880 min Scan# 883
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

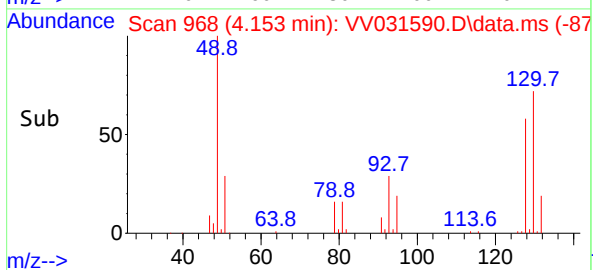
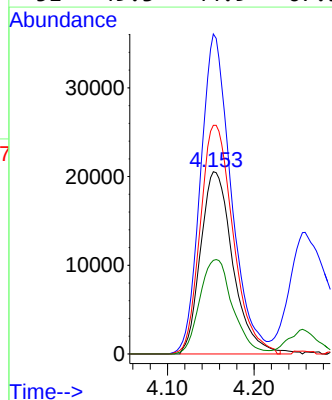
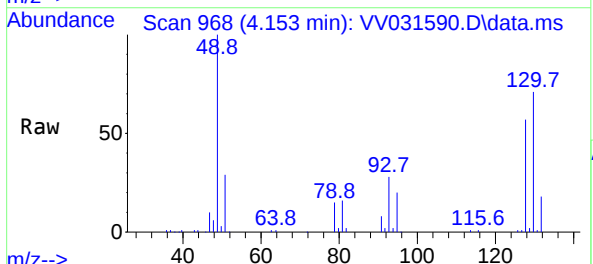
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

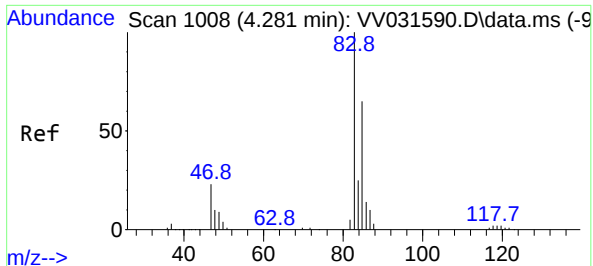
Tgt Ion: 43 Resp: 133409
Ion Ratio Lower Upper
43 100
72 24.5 12.2 36.4



#23
Bromochloromethane
Concen: 50.090 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:128 Resp: 53041
Ion Ratio Lower Upper
128 100
49 168.7 120.6 224.0
130 122.9 88.1 163.7
51 49.3 44.9 67.3





#25

Chloroform

Concen: 50.217 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

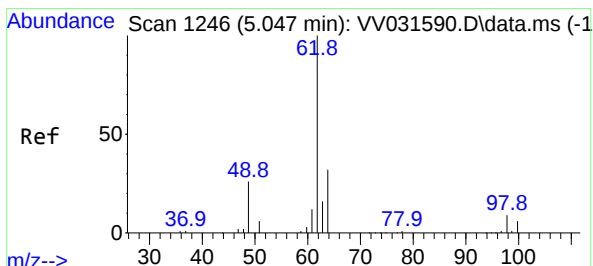
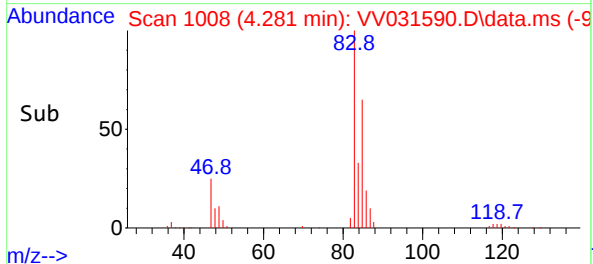
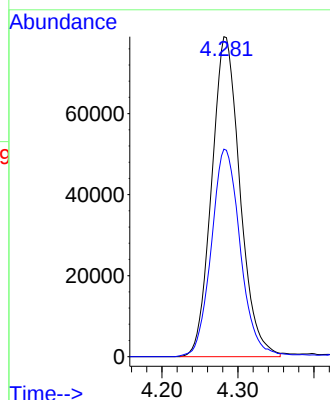
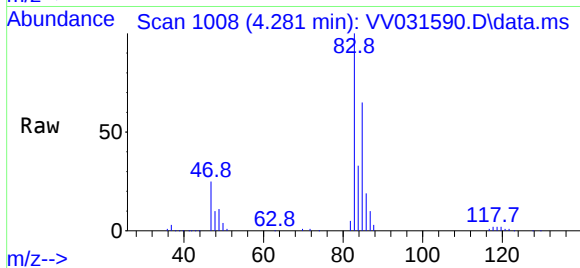
VSTD050376

Tgt Ion: 83 Resp: 204231

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1



#27

1,2-Dichloroethane

Concen: 47.797 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031590.D

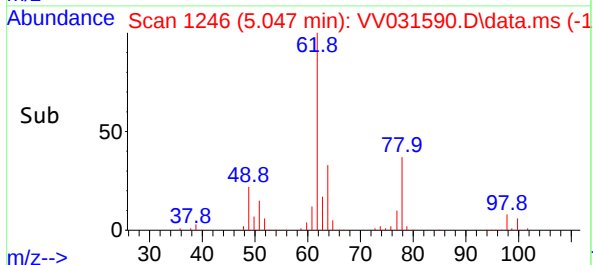
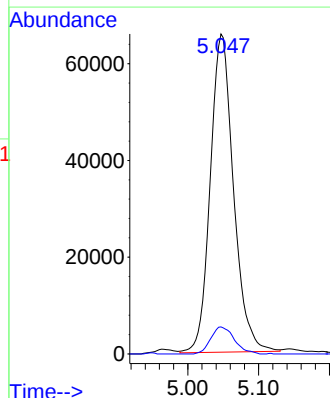
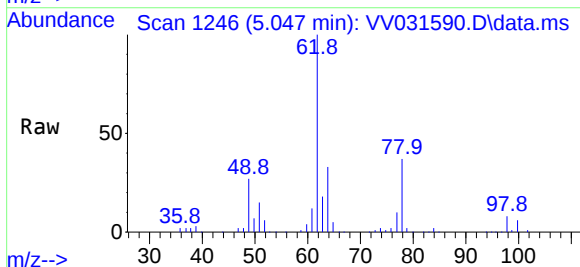
Acq: 19 Jun 2023 09:23

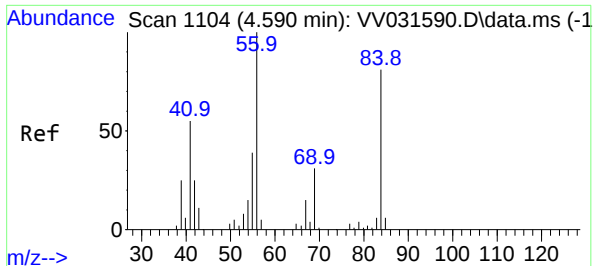
Tgt Ion: 62 Resp: 150027

Ion Ratio Lower Upper

62 100

98 9.2 6.6 9.8





#29

Cyclohexane

Concen: 45.194 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD050376

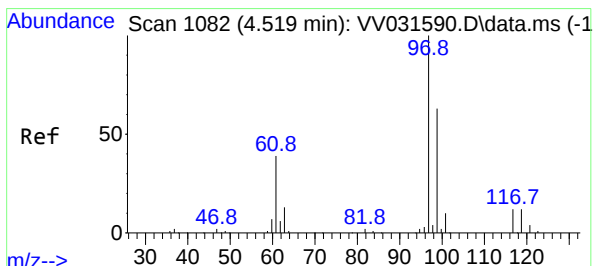
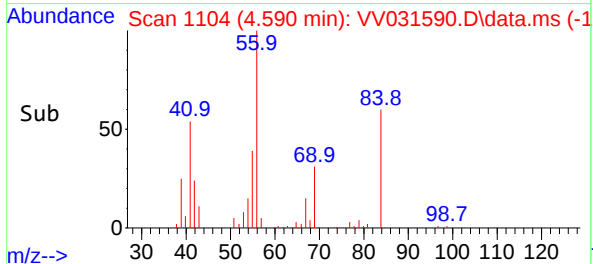
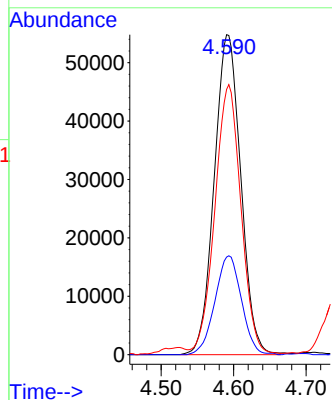
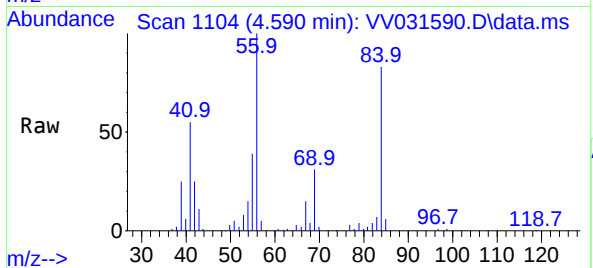
Tgt Ion: 56 Resp: 139338

Ion Ratio Lower Upper

56 100

69 30.8 24.3 36.5

84 82.1 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 47.322 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

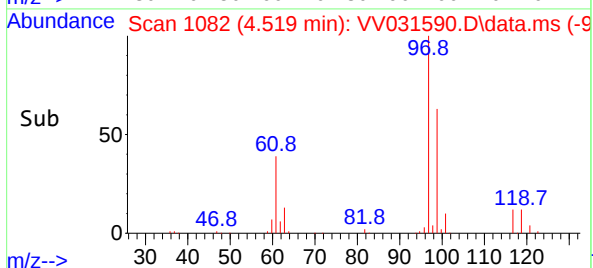
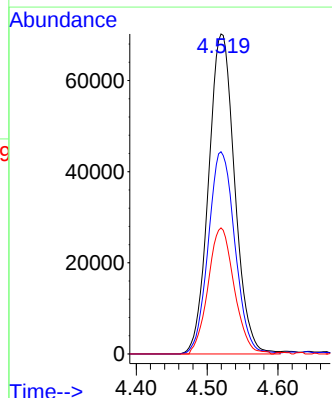
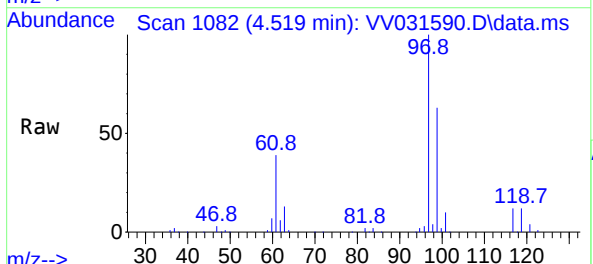
Tgt Ion: 97 Resp: 179796

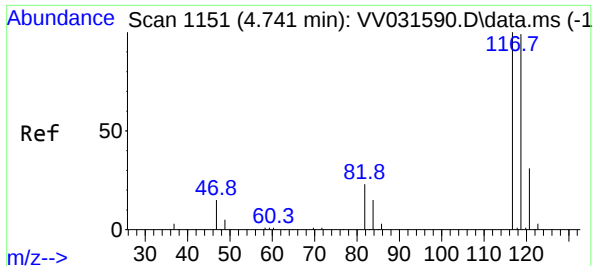
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

61 39.3 33.0 49.6

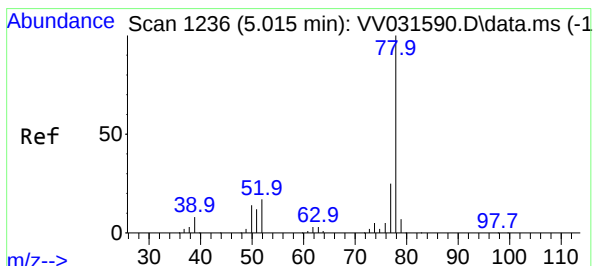
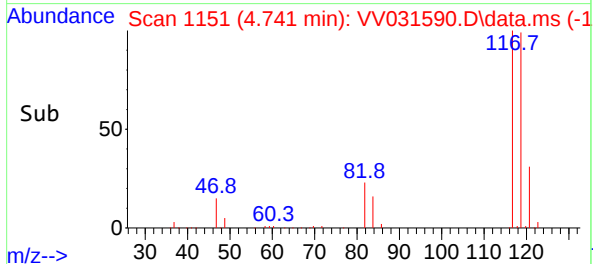
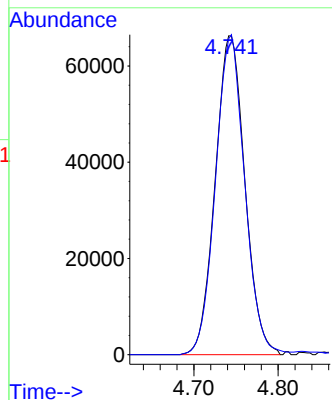
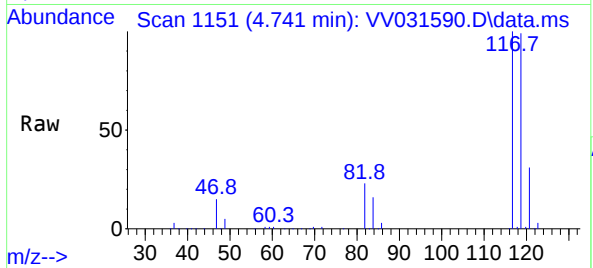




#31
Carbon tetrachloride
Concen: 48.174 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

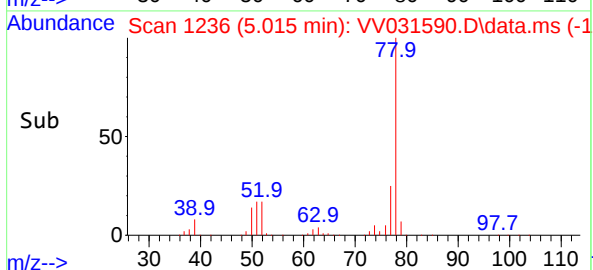
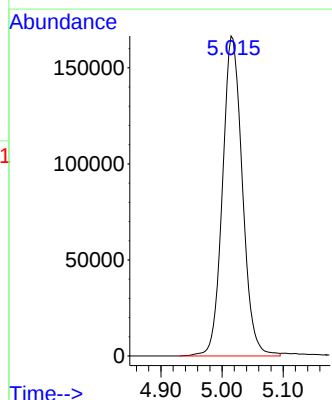
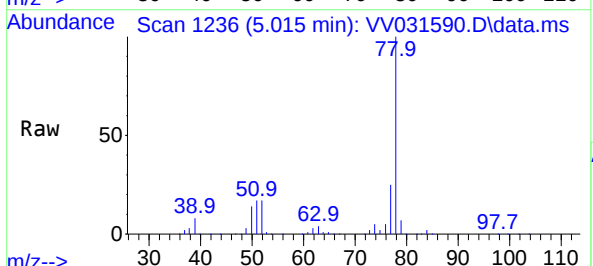
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

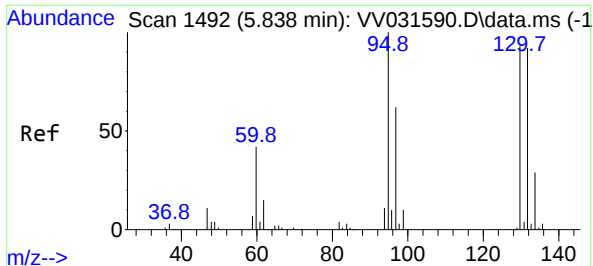
Tgt Ion:117 Resp: 162175
Ion Ratio Lower Upper
117 100
119 98.4 76.2 114.4



#33
Benzene
Concen: 47.647 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 78 Resp: 375929

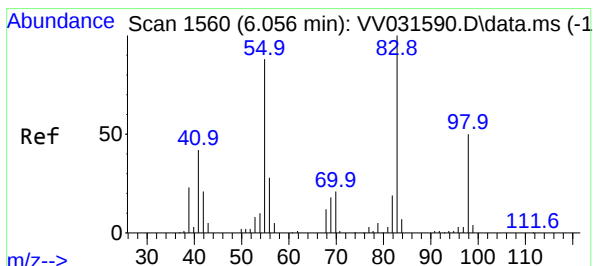
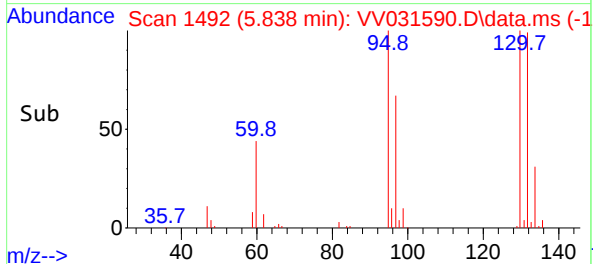
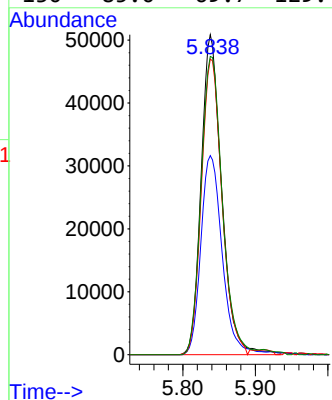
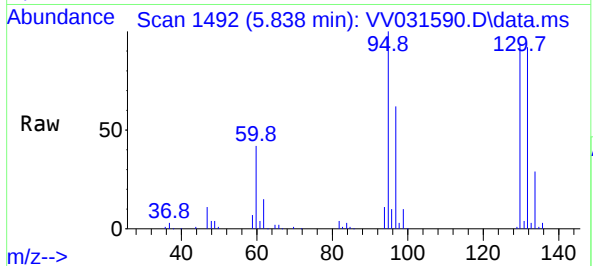




#34
Trichloroethene
Concen: 47.477 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

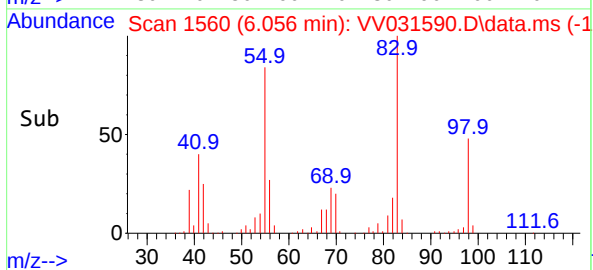
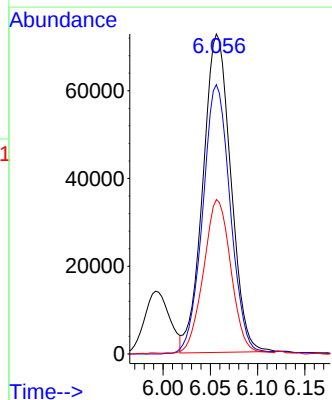
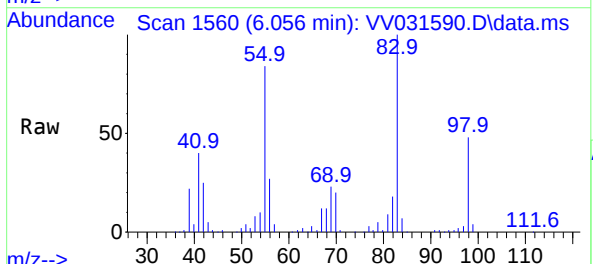
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

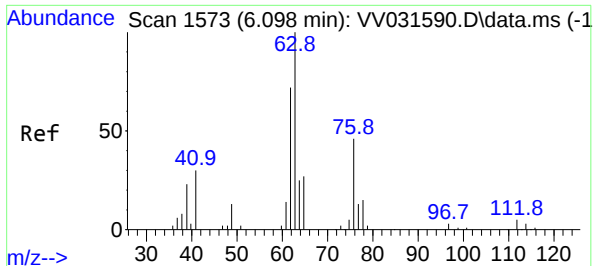
Tgt Ion: 95 Resp: 100096
Ion Ratio Lower Upper
95 100
97 59.7 46.8 86.8
132 86.8 66.4 123.2
130 85.0 69.7 129.4



#35
Methylcyclohexane
Concen: 47.849 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 83 Resp: 148642
Ion Ratio Lower Upper
83 100
55 84.2 68.7 103.1
98 48.2 37.0 55.4

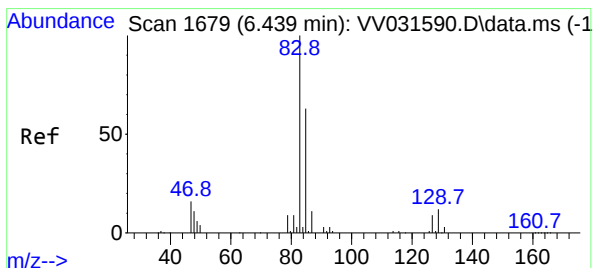
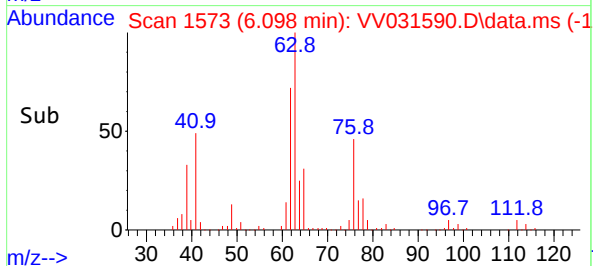
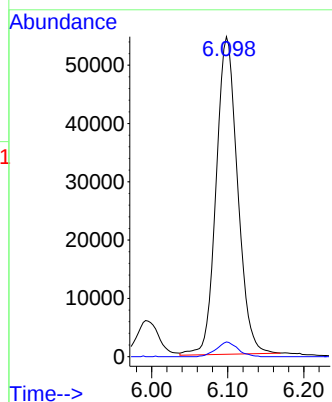
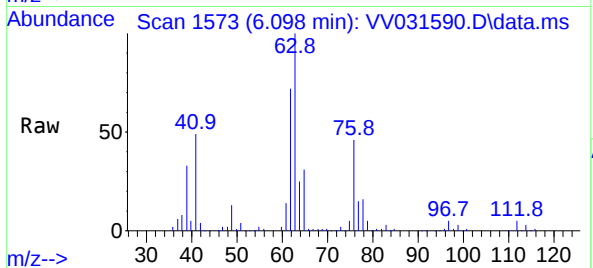




#37
1,2-Dichloropropane
Concen: 46.113 ug/L
RT: 6.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

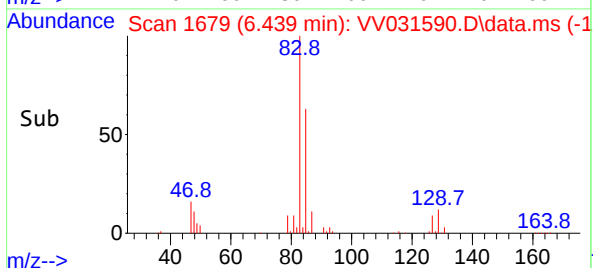
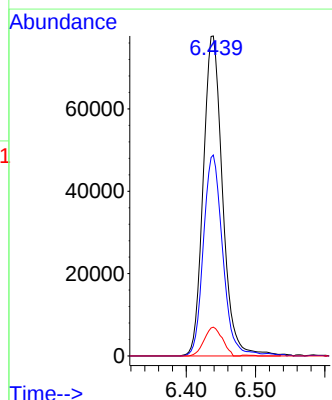
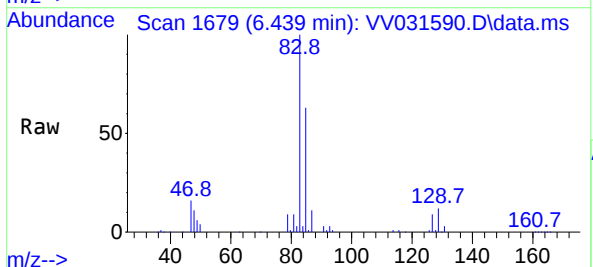
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

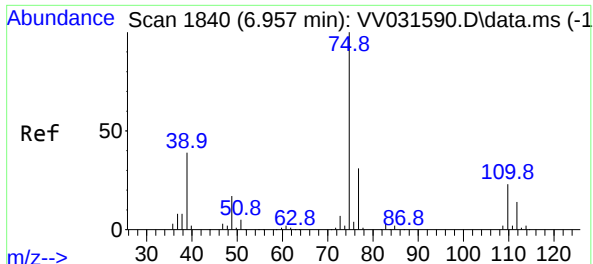
Tgt Ion: 63 Resp: 106835
Ion Ratio Lower Upper
63 100
112 4.7 3.3 4.9



#38
Bromodichloromethane
Concen: 48.050 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 83 Resp: 150469
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1
127 9.0 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 47.411 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.003 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

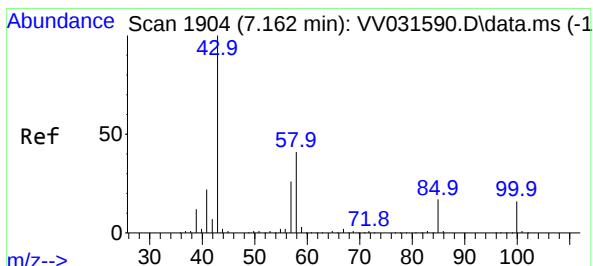
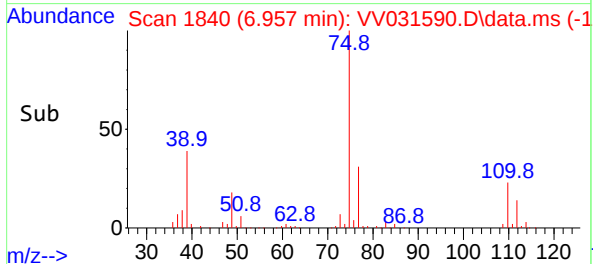
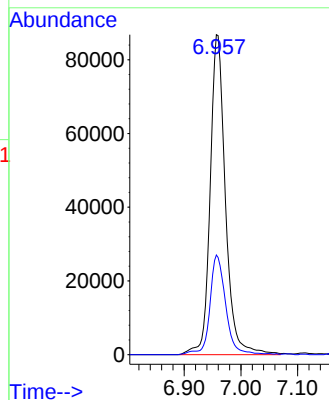
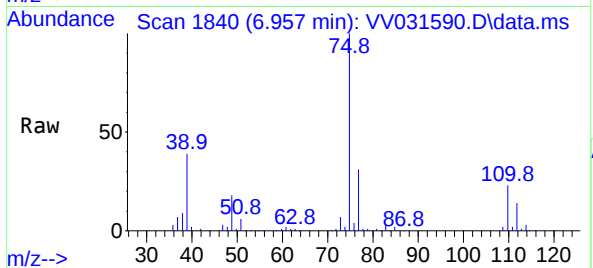
VSTD050376

Tgt Ion: 75 Resp: 163054

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 93.216 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

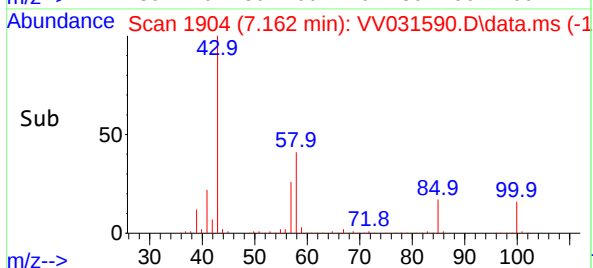
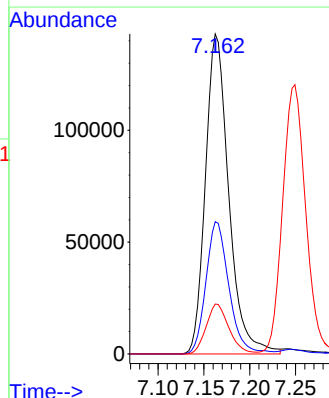
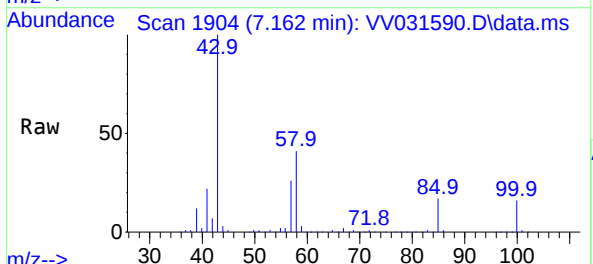
Tgt Ion: 43 Resp: 253585

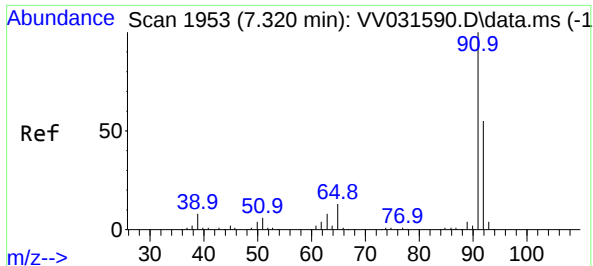
Ion Ratio Lower Upper

43 100

58 40.7 31.8 47.8

100 15.2 11.1 16.7





#42

Toluene

Concen: 50.644 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

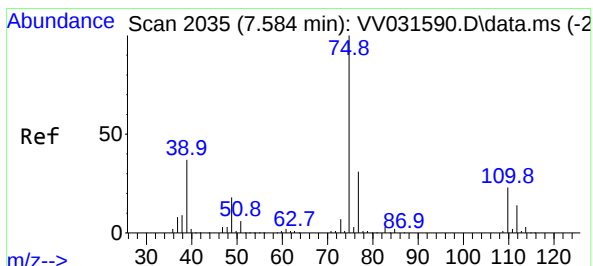
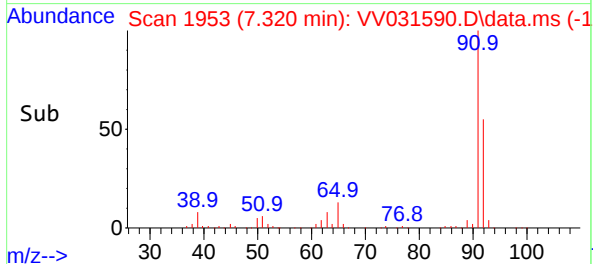
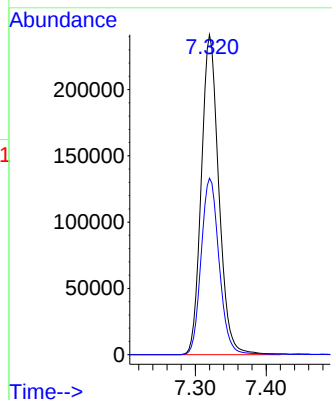
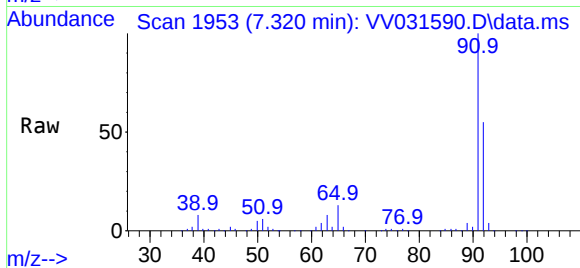
VSTD050376

Tgt Ion: 91 Resp: 414284

Ion Ratio Lower Upper

91 100

92 55.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 49.094 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031590.D

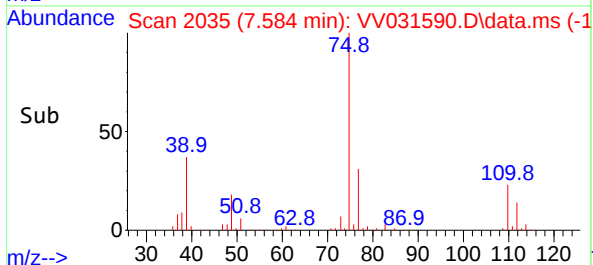
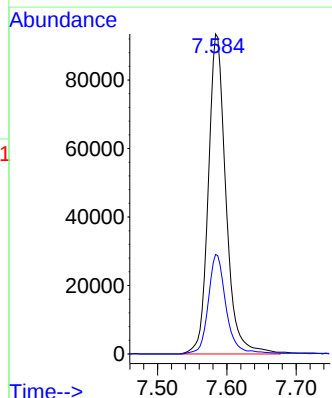
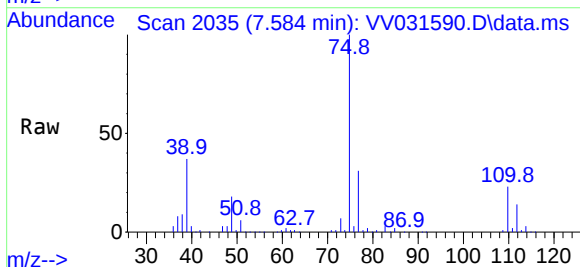
Acq: 19 Jun 2023 09:23

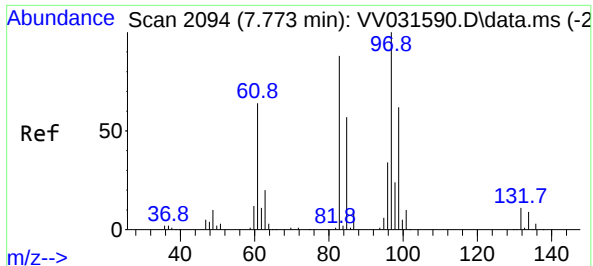
Tgt Ion: 75 Resp: 164424

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



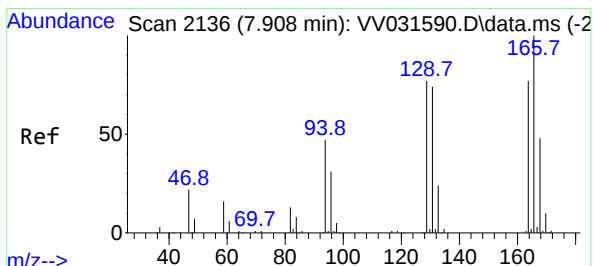
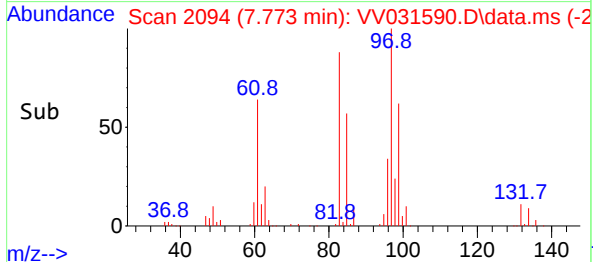
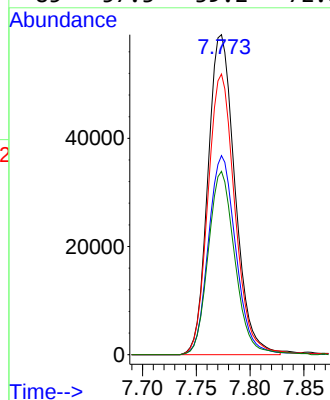
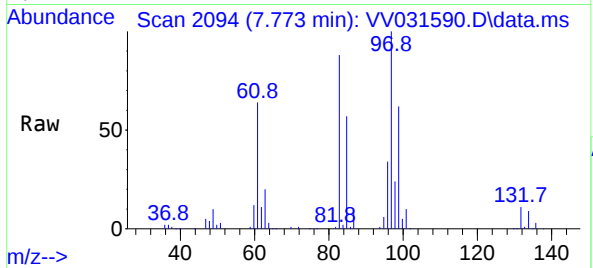


#45
1,1,2-Trichloroethane
Concen: 47.317 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

Tgt Ion: 97 Resp: 103557

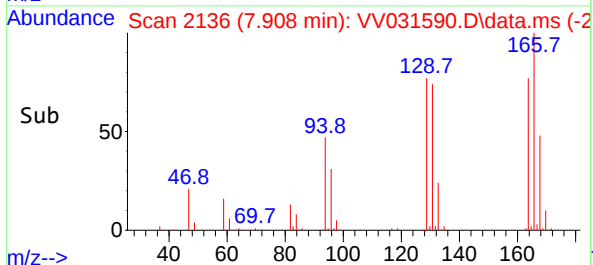
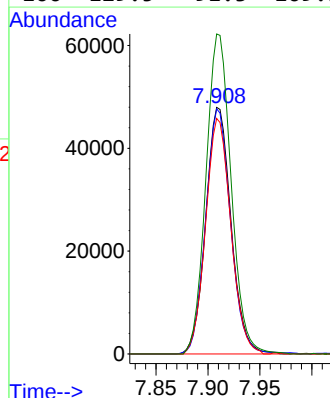
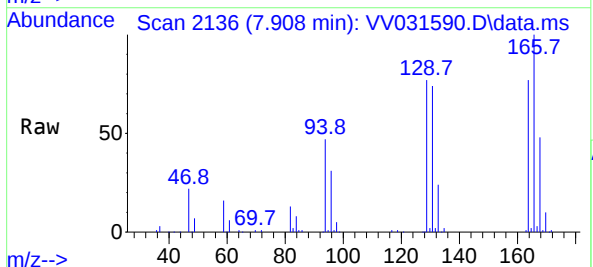
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.7	81.1
83	87.7	60.9	113.1
85	57.3	39.2	72.8

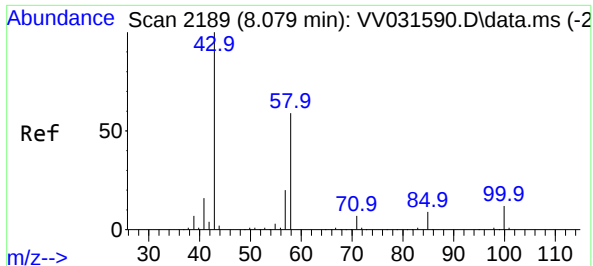


#46
Tetrachloroethene
Concen: 49.182 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 164 Resp: 81381

Ion	Ratio	Lower	Upper
164	100		
129	96.7	68.4	127.0
131	95.0	67.6	125.6
166	129.5	91.3	169.5

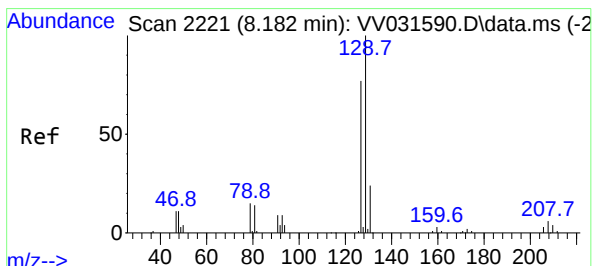
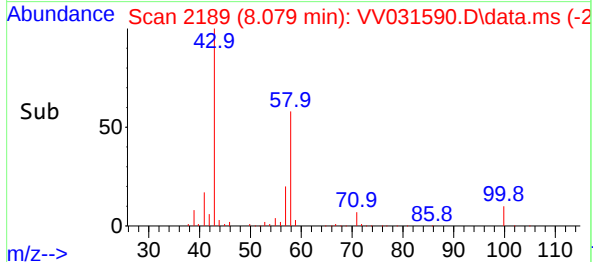
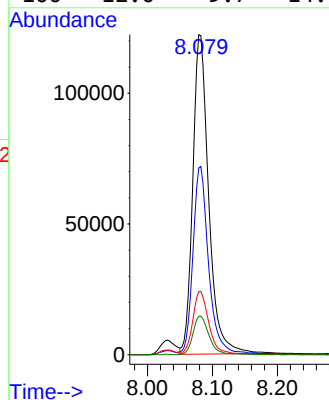
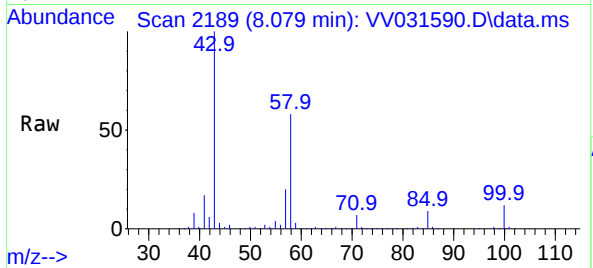




#48
2-Hexanone
Concen: 96.122 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

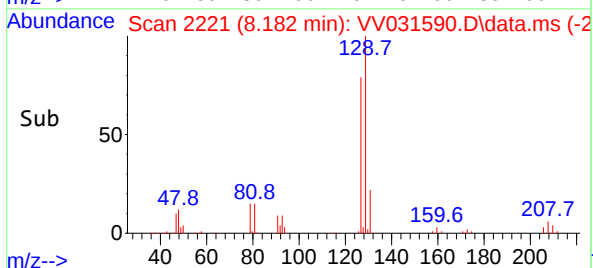
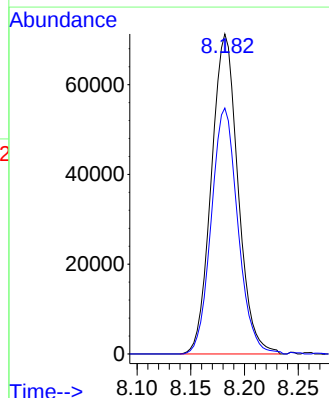
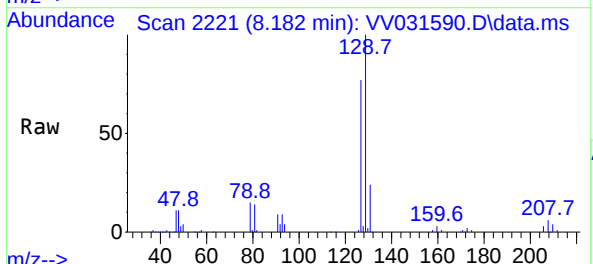
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

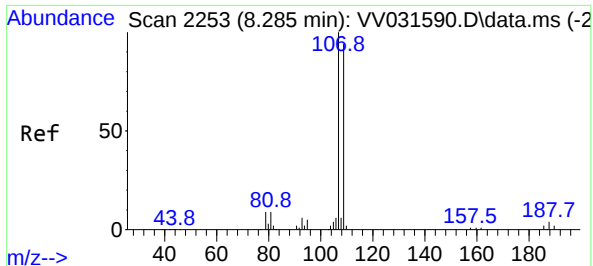
Tgt Ion: 43 Resp: 208842
Ion Ratio Lower Upper
43 100
58 56.6 46.7 70.1
57 19.2 15.5 23.3
100 12.0 9.7 14.5



#49
Dibromochloromethane
Concen: 50.594 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 129 Resp: 123067
Ion Ratio Lower Upper
129 100
127 78.3 55.8 103.6

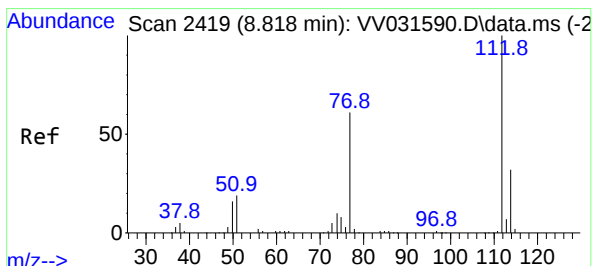
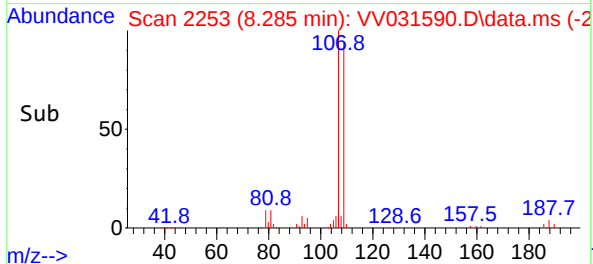
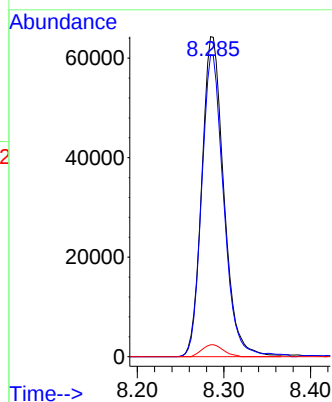
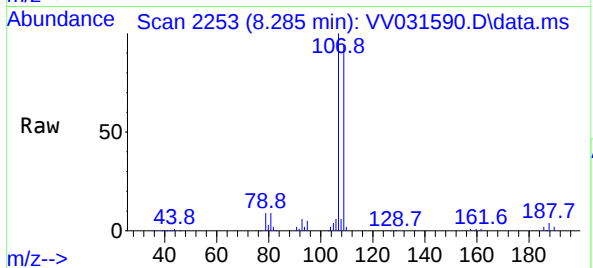




#50
1,2-Dibromoethane
Concen: 48.796 ug/L
RT: 8.285 min Scan# 211
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

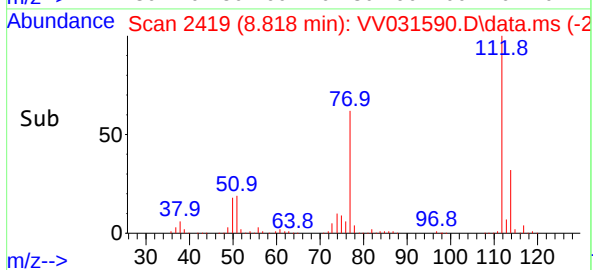
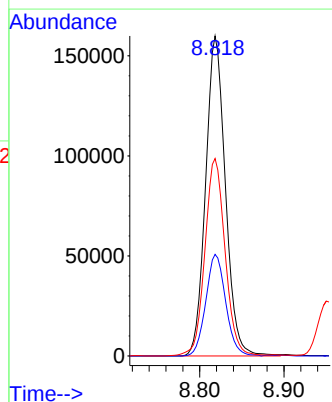
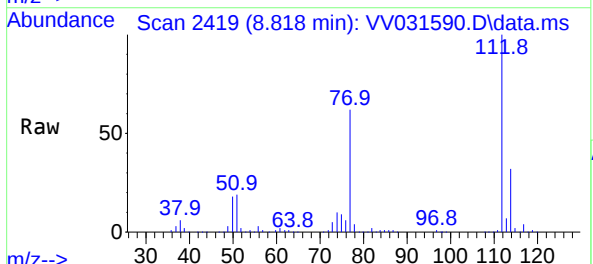
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

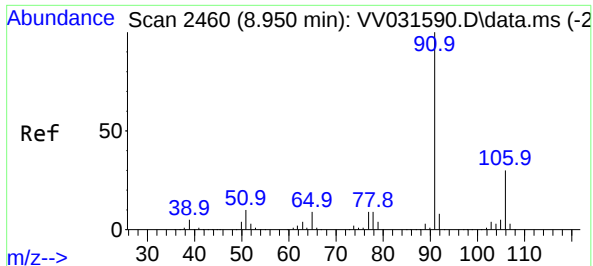
Tgt Ion:107 Resp: 113714
Ion Ratio Lower Upper
107 100
109 94.3 65.7 122.1
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 48.266 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:112 Resp: 261503
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 61.7 52.5 78.7





#52

Ethylbenzene

Concen: 48.894 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

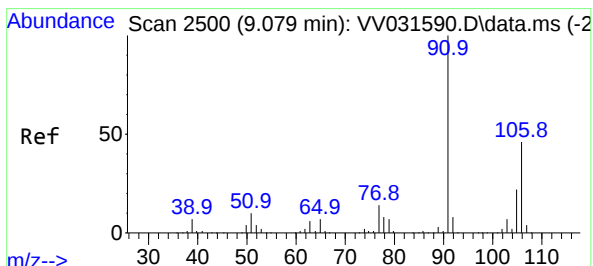
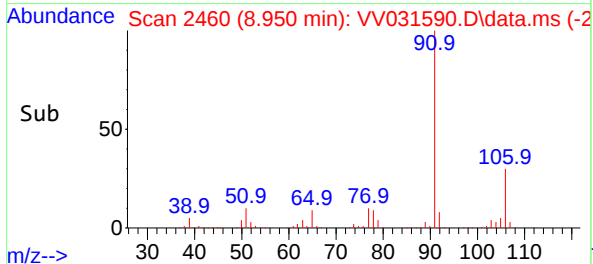
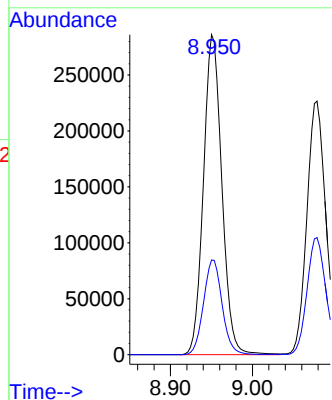
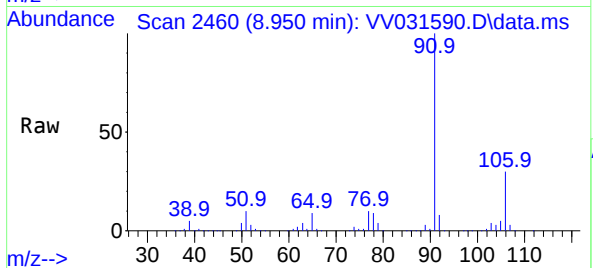
VSTD050376

Tgt Ion: 91 Resp: 446306

Ion Ratio Lower Upper

91 100

106 29.6 20.8 38.6



#53

m,p-Xylene

Concen: 50.344 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031590.D

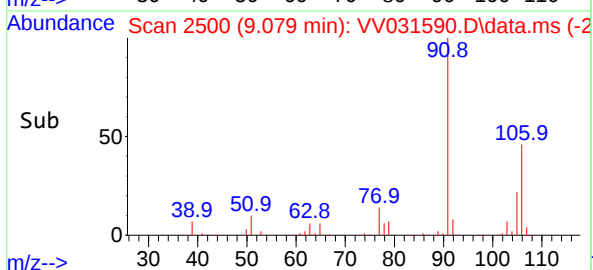
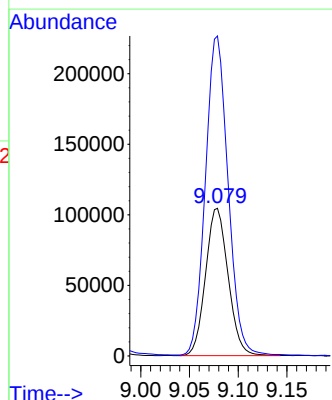
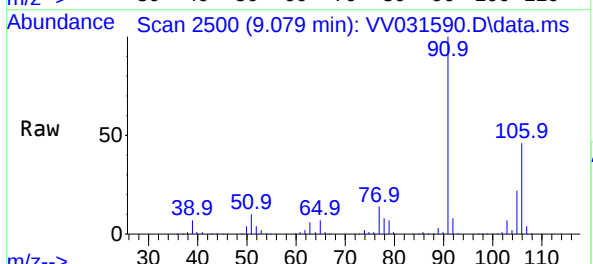
Acq: 19 Jun 2023 09:23

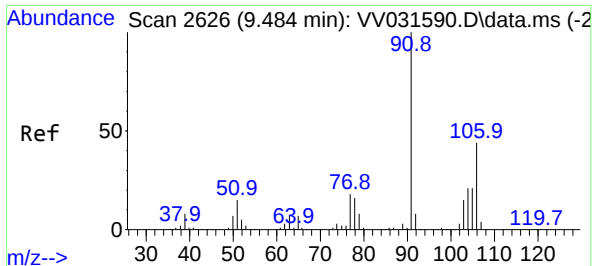
Tgt Ion: 106 Resp: 168288

Ion Ratio Lower Upper

106 100

91 216.6 149.0 276.6

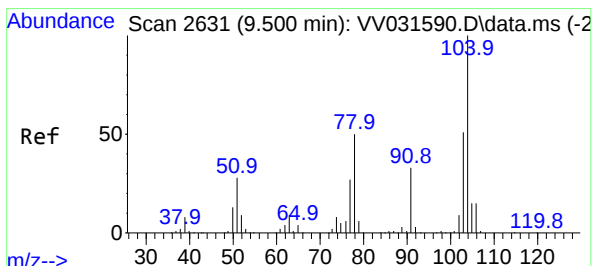
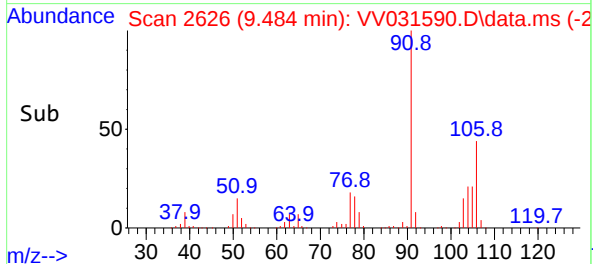
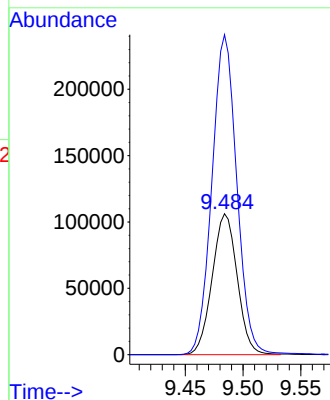
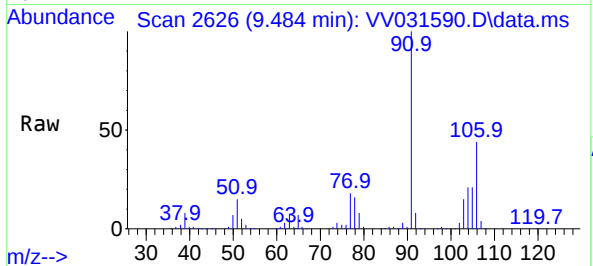




#54
o-Xylene
Concen: 50.381 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

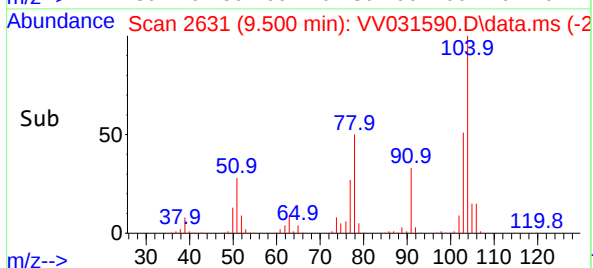
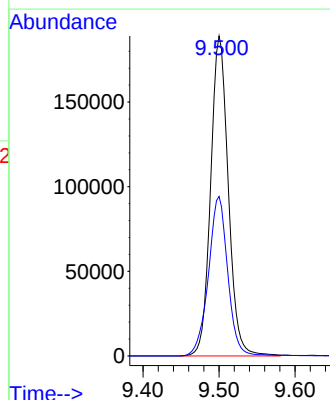
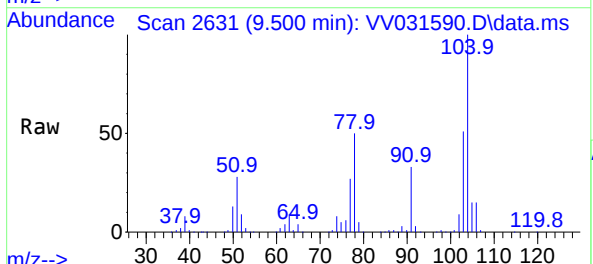
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

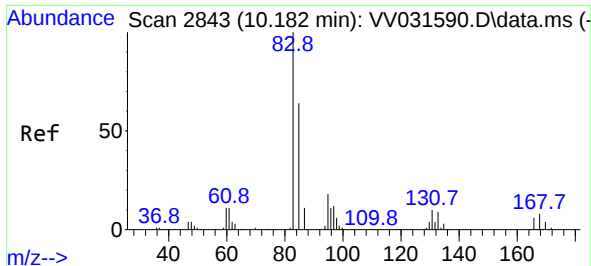
Tgt Ion:106 Resp: 159819
Ion Ratio Lower Upper
106 100
91 226.9 161.3 299.7



#55
Styrene
Concen: 53.841 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:104 Resp: 305027
Ion Ratio Lower Upper
104 100
78 49.9 35.1 65.3

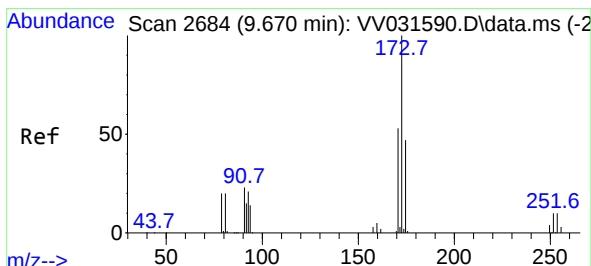
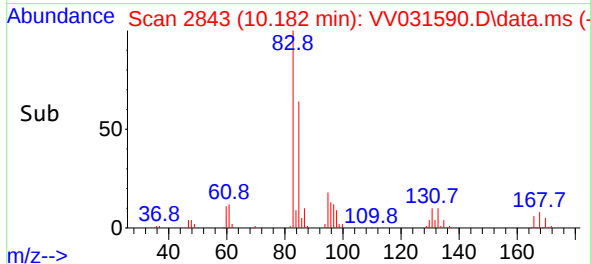
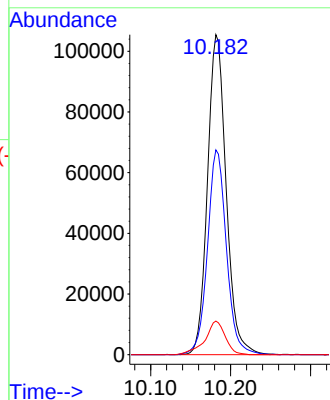
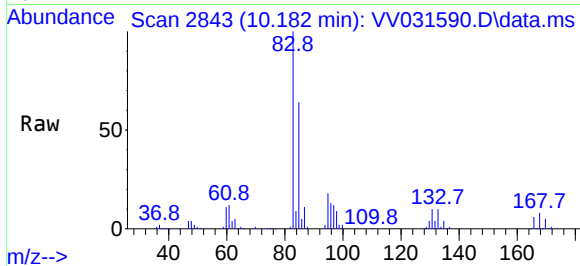




#57
1,1,2,2-Tetrachloroethane
Concen: 47.954 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

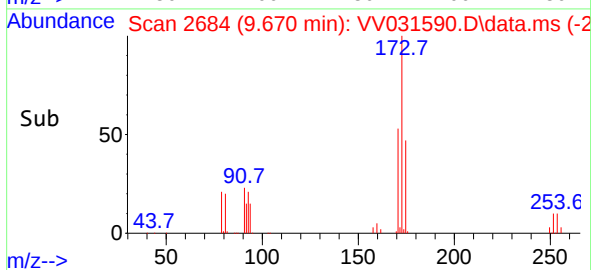
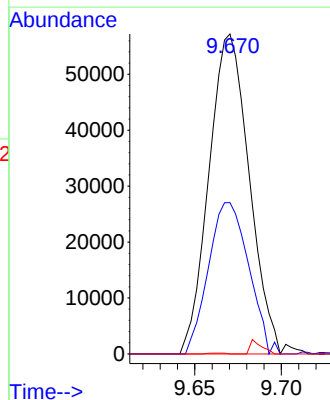
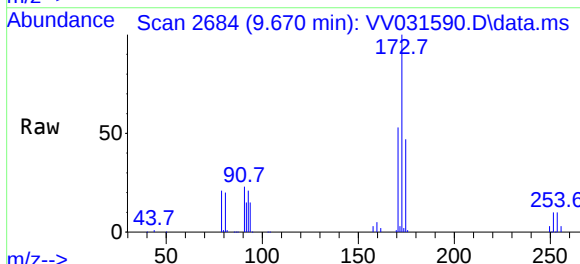
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

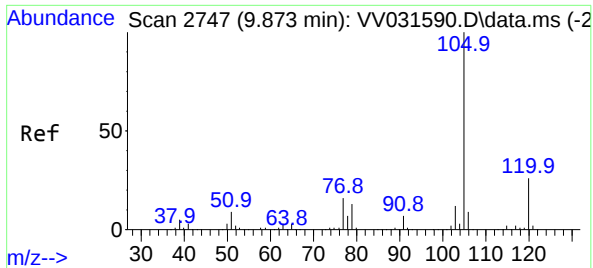
Tgt Ion: 83 Resp: 171485
Ion Ratio Lower Upper
83 100
85 64.0 43.1 80.1
131 14.6 10.6 16.0



#59
Bromoform
Concen: 49.552 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 173 Resp: 92212
Ion Ratio Lower Upper
173 100
175 46.8 37.7 56.5
254 0.1 0.1 0.1

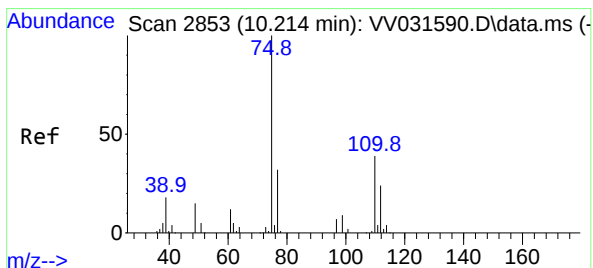
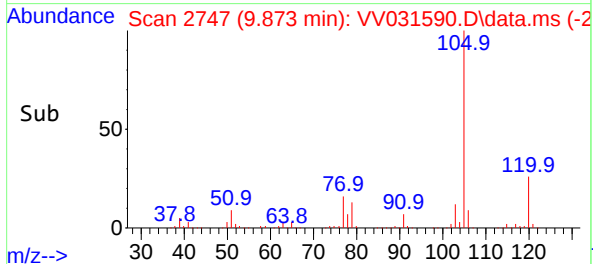
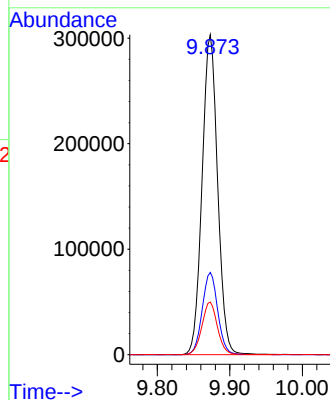
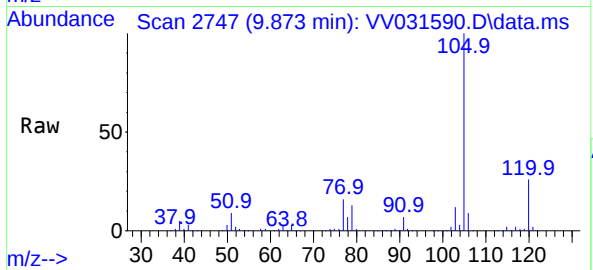




#60
Isopropylbenzene
Concen: 47.160 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

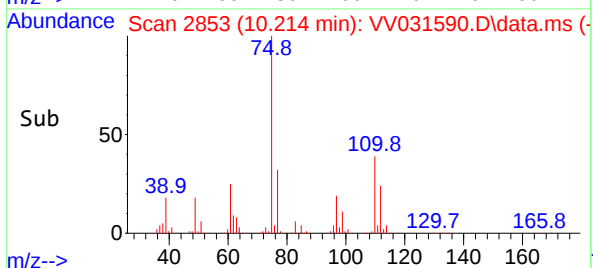
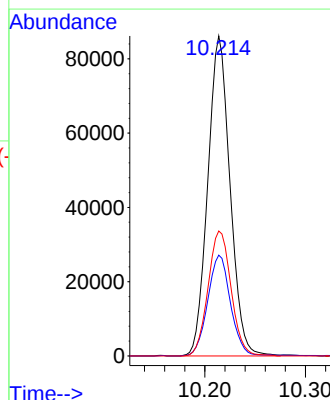
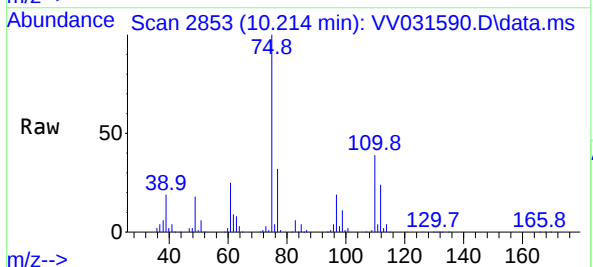
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

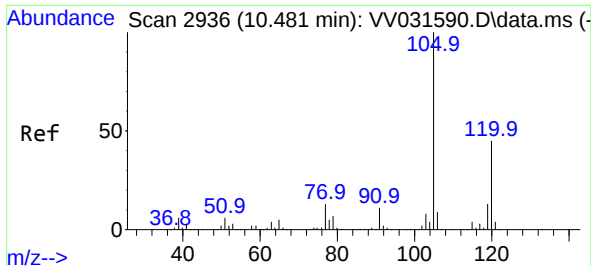
Tgt Ion:105 Resp: 451366
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.2
77 16.5 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.685 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion: 75 Resp: 132499
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
110 40.4 31.3 46.9

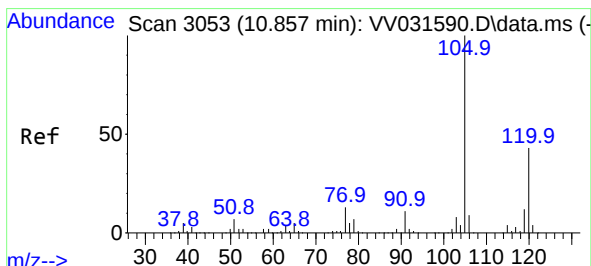
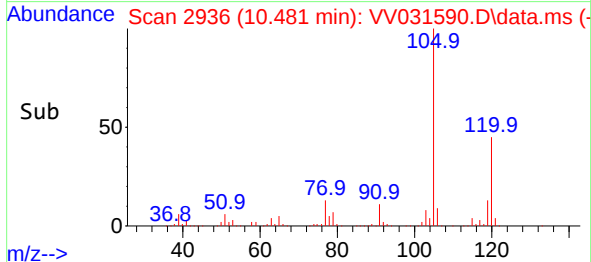
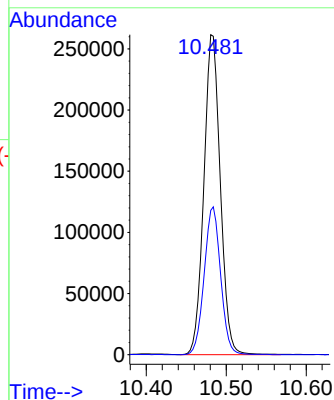
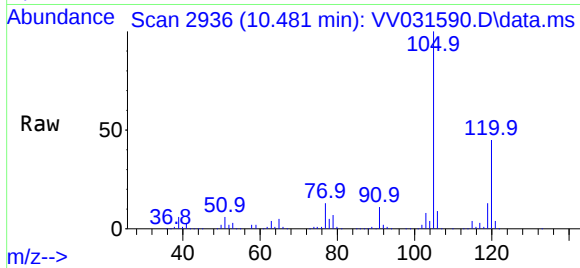




#62
1,3,5-Trimethylbenzene
Concen: 47.468 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

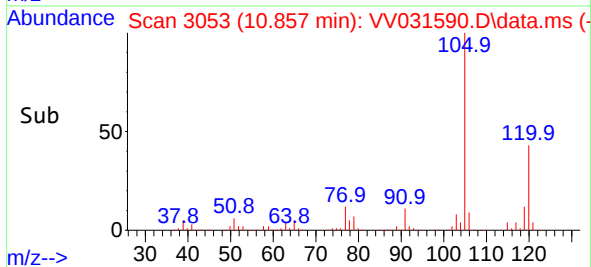
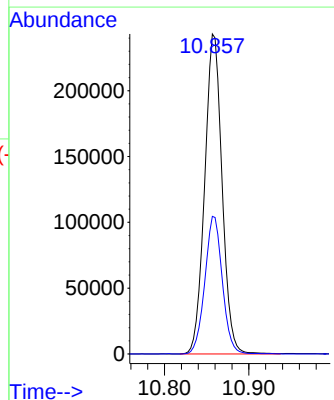
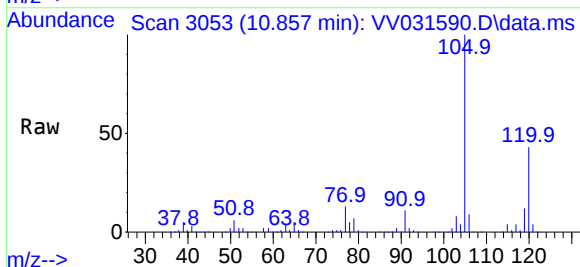
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

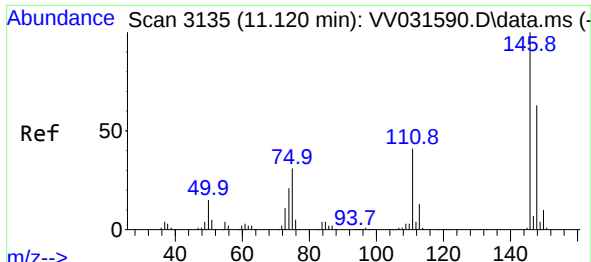
Tgt Ion:105 Resp: 375487
Ion Ratio Lower Upper
105 100
120 46.2 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 47.505 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:105 Resp: 350135
Ion Ratio Lower Upper
105 100
120 43.1 33.4 50.2

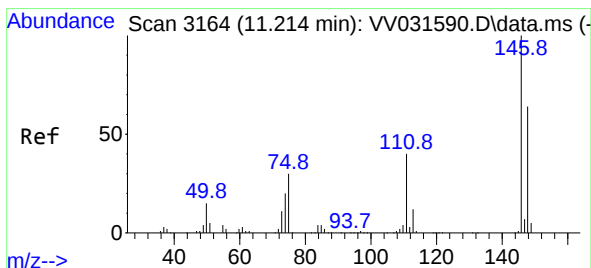
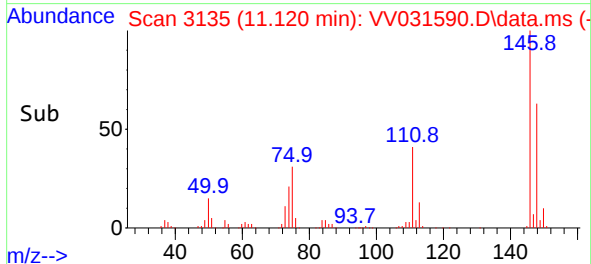
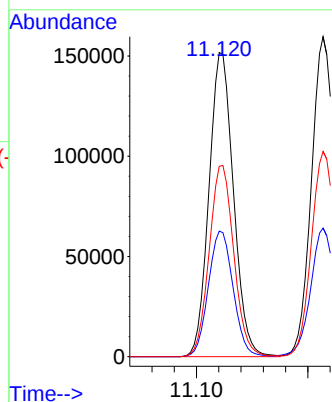
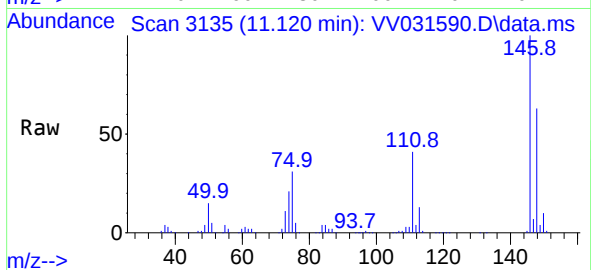




#64
1,3-Dichlorobenzene
Concen: 48.294 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.003 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

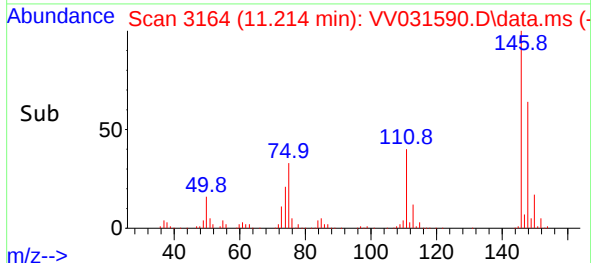
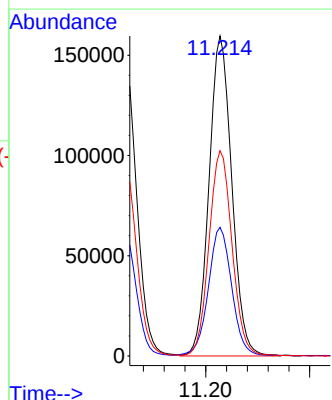
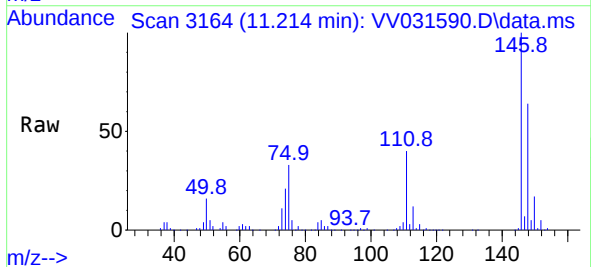
Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

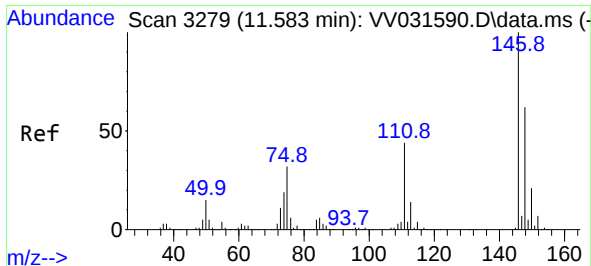
Tgt Ion:146 Resp: 231733
Ion Ratio Lower Upper
146 100
111 41.3 30.4 56.5
148 62.6 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 47.439 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:146 Resp: 242568
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 64.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 48.047 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD050376

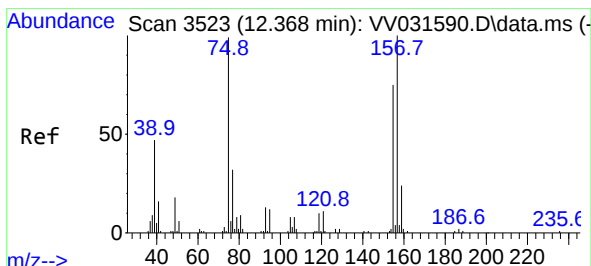
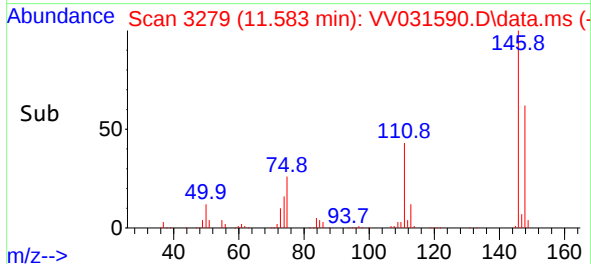
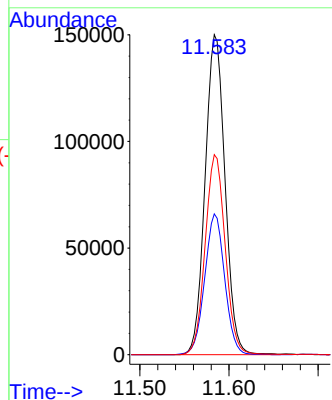
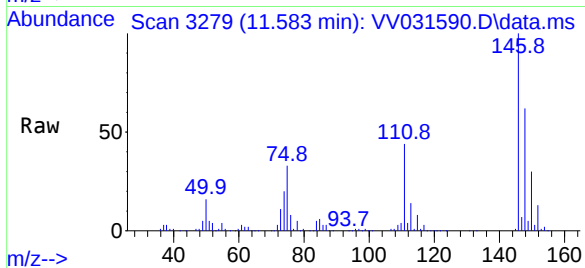
Tgt Ion:146 Resp: 232693

Ion Ratio Lower Upper

146 100

111 44.0 35.9 53.9

148 62.5 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.065 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.003 min

Lab File: VV031590.D

Acq: 19 Jun 2023 09:23

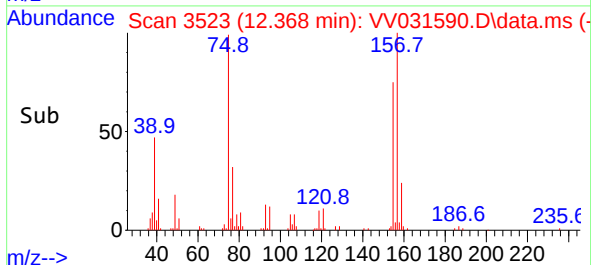
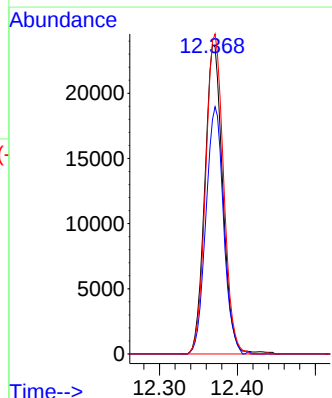
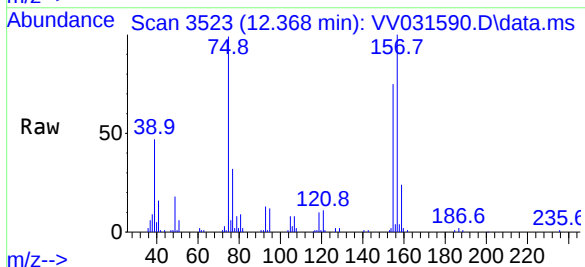
Tgt Ion: 75 Resp: 37901

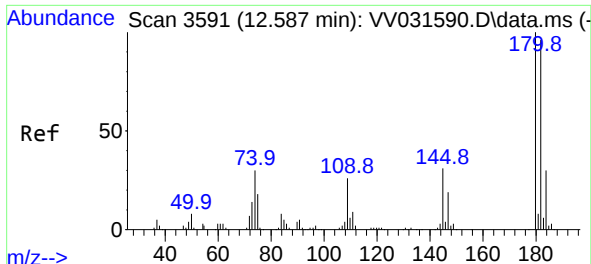
Ion Ratio Lower Upper

75 100

155 75.8 63.2 94.8

157 105.1 85.3 127.9



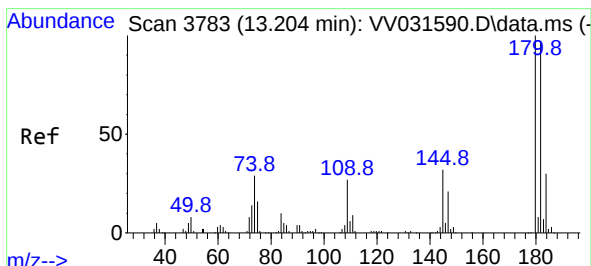
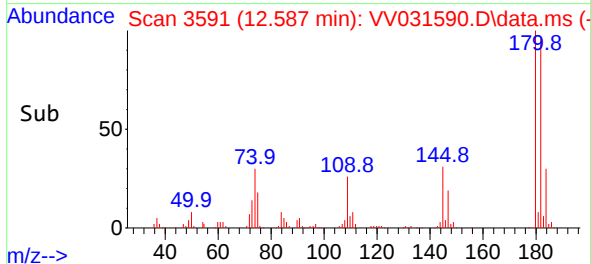
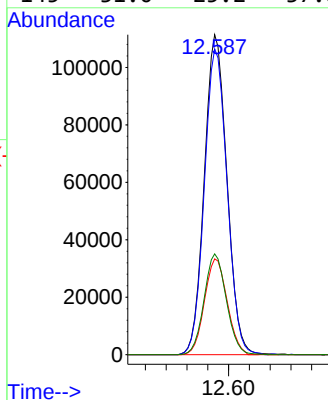
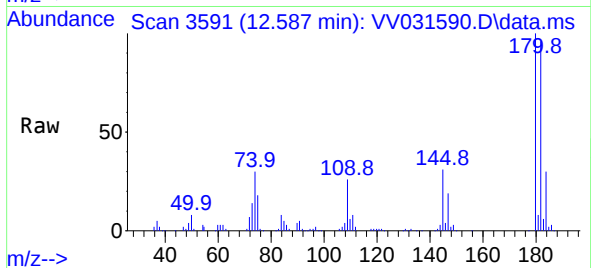


#69
1,3,5-Trichlorobenzene
Concen: 46.038 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

Tgt Ion:180 Resp: 168325

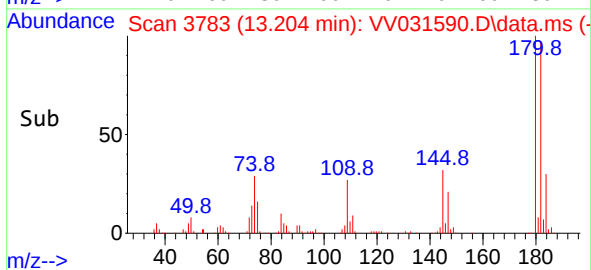
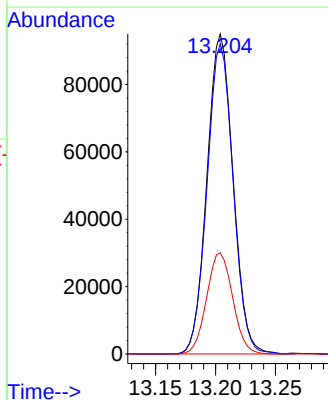
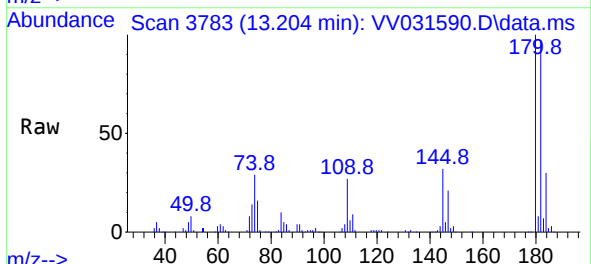
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	30.0	24.7	37.1
145	31.0	25.2	37.8

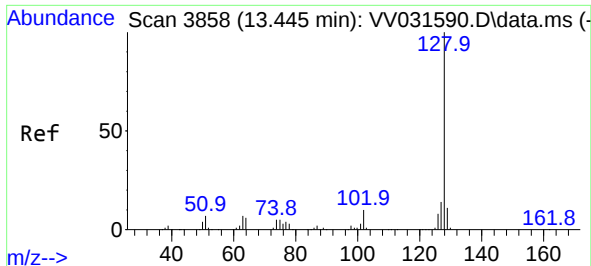


#70
1,2,4-trichlorobenzene
Concen: 44.824 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:180 Resp: 143655

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.7	116.5
145	31.5	26.1	39.1

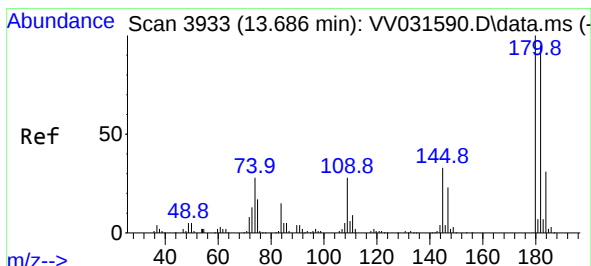
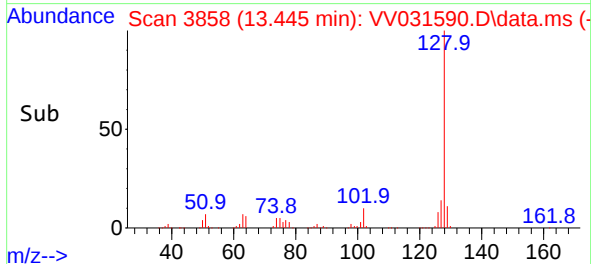
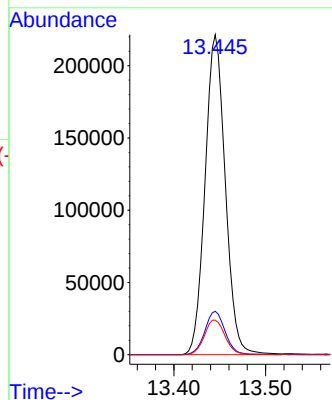
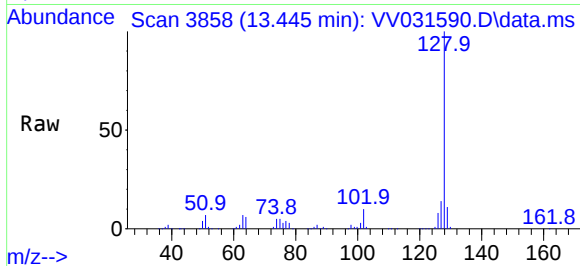




#71
Naphthalene
Concen: 41.796 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD050376

Tgt Ion:	128	Resp:	339289
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.1	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 45.703 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031590.D
Acq: 19 Jun 2023 09:23

Tgt Ion:	180	Resp:	152209
Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.0	111.0
145	33.3	26.2	39.2

