

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031101.D
 Acq On : 19 May 2023 12:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

Quant Time: May 20 00:25:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:13:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	281926	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	275342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	160187	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	119300	49.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.020%
7) Chloroethane-d5	1.536	69	94672	51.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.020%
11) 1,1-Dichloroethene-d2	2.063	65	52676	46.622	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	3.802	46	138887	108.181	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.180%
24) Chloroform-d	4.259	84	206839	48.526	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.060%
26) 1,2-Dichloroethane-d4	4.947	65	144660	50.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
32) Benzene-d6	4.966	84	373920	50.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
36) 1,2-Dichloropropane-d6	5.995	67	109471	49.016	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.040%
41) Toluene-d8	7.249	98	356648	51.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.380%
43) trans-1,3-Dichloroprop...	7.558	79	60570	54.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.120%
47) 2-Hexanone-d5	8.030	63	92110	105.778	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.780%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	162413	48.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.960%
66) 1,2-Dichlorobenzene-d4	11.567	152	148247	51.500	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	86275	47.402	ug/L	97
3) Chloromethane	1.217	50	96165	48.261	ug/L	98
5) Vinyl chloride	1.285	62	89378	50.219	ug/L	99
6) Bromomethane	1.491	94	43422	43.534	ug/L	97
8) Chloroethane	1.555	64	60301	52.579	ug/L	98
9) Trichlorofluoromethane	1.716	101	171305	48.936	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	91308	49.461	ug/L	98
12) 1,1-Dichloroethene	2.076	96	75660	48.313	ug/L	98
13) Acetone	2.130	43	148264	88.831	ug/L	100
14) Carbon disulfide	2.246	76	146493	51.332	ug/L	99
15) Methyl Acetate	2.381	43	103306	54.459	ug/L	100
16) Methylene chloride	2.455	84	84182	48.285	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	74006	51.112	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	299036	53.463	ug/L	99
19) 1,1-Dichloroethane	3.117	63	164065	49.720	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	91545	51.288	ug/L	97
22) 2-Butanone	3.883	43	165824	103.604	ug/L	94
23) Bromochloromethane	4.156	128	50094	51.071	ug/L	98
25) Chloroform	4.285	83	186580	50.616	ug/L	98

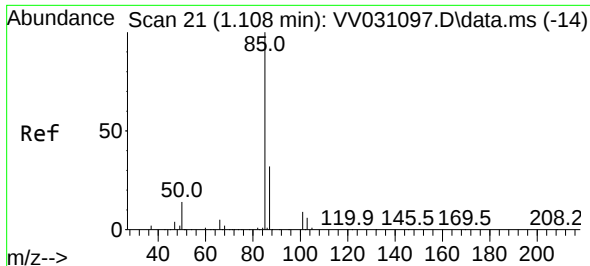
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
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 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:13:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	163089	52.146	ug/L	100
29) Cyclohexane	4.593	56	109957	50.749	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	170394	50.431	ug/L	98
31) Carbon tetrachloride	4.744	117	148318	50.389	ug/L	100
33) Benzene	5.018	78	340897	51.679	ug/L	100
34) Trichloroethene	5.841	95	88674	50.169	ug/L	98
35) Methylcyclohexane	6.059	83	120195	51.248	ug/L	99
37) 1,2-Dichloropropane	6.101	63	92507	50.952	ug/L	99
38) Bromodichloromethane	6.439	83	142788	50.734	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	152340	54.414	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	306670	109.768	ug/L	100
42) Toluene	7.323	91	381045	53.391	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	153958	54.360	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	100651	50.803	ug/L	98
46) Tetrachloroethene	7.911	164	77690	51.189	ug/L	93
48) 2-Hexanone	8.082	43	252645	108.573	ug/L	98
49) Dibromochloromethane	8.182	129	113060	50.579	ug/L	97
50) 1,2-Dibromoethane	8.288	107	99170	50.346	ug/L	98
51) Chlorobenzene	8.821	112	252480	49.704	ug/L	99
52) Ethylbenzene	8.953	91	428374	52.425	ug/L	100
53) m,p-Xylene	9.079	106	166538	52.542	ug/L	95
54) o-Xylene	9.484	106	162005	51.811	ug/L	100
55) Styrene	9.503	104	300813	54.395	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	165208	50.752	ug/L	98
59) Bromoform	9.670	173	93733	50.464	ug/L	99
60) Isopropylbenzene	9.873	105	451601	52.714	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	129394	52.507	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	377269	53.574	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	371315	53.928	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	234918	53.516	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	240565	52.678	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	233039	52.320	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	39805	52.620	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	179648	52.941	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	158486	54.880	ug/L	99
71) Naphthalene	13.445	128	445157	59.344	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	160814	55.726	ug/L	98

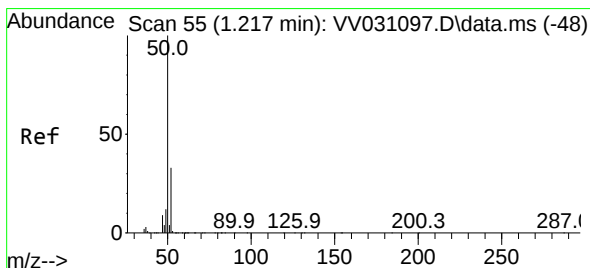
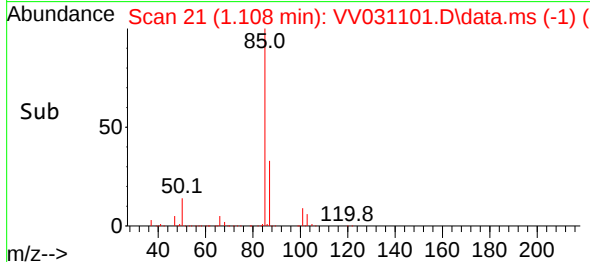
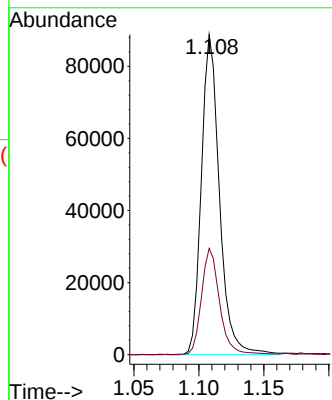
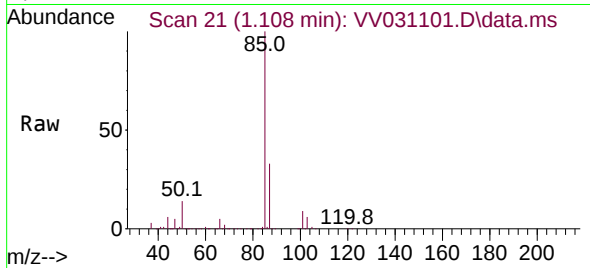
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#2
 Dichlorodifluoromethane
 Concen: 47.402 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

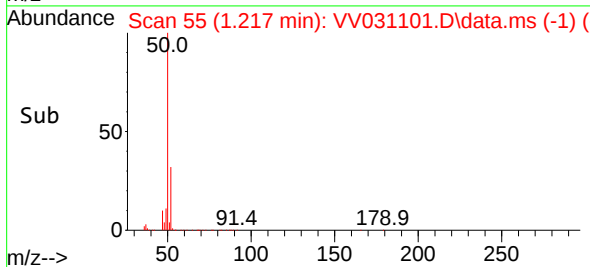
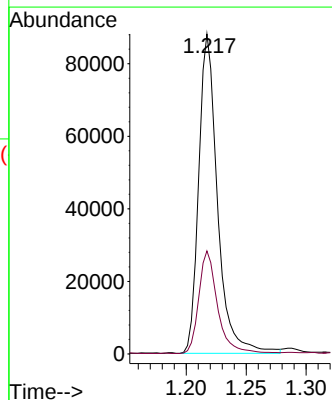
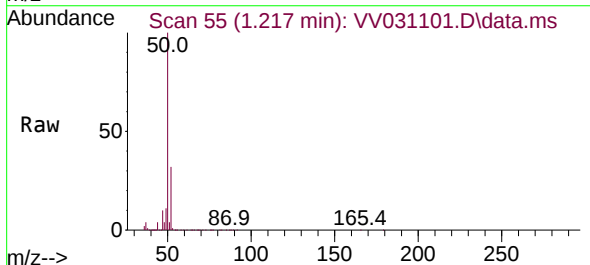
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

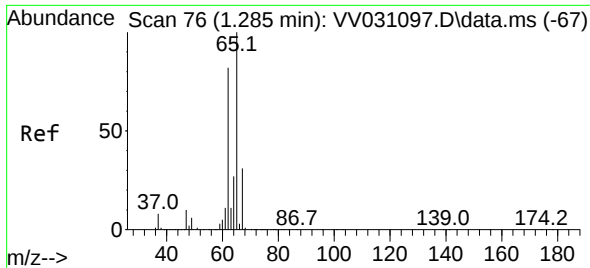
Tgt Ion: 85 Resp: 86275
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.2 37.8



#3
 Chloromethane
 Concen: 48.261 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

Tgt Ion: 50 Resp: 96165
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.3 43.3

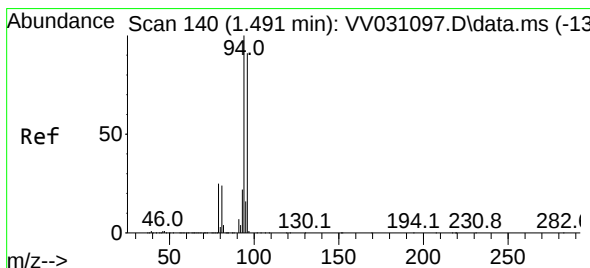
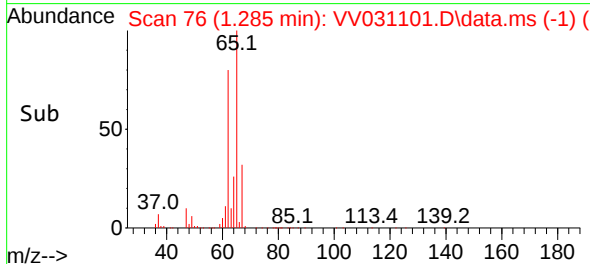
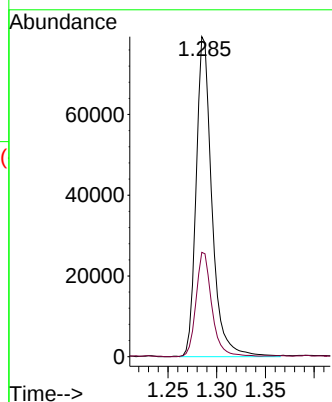
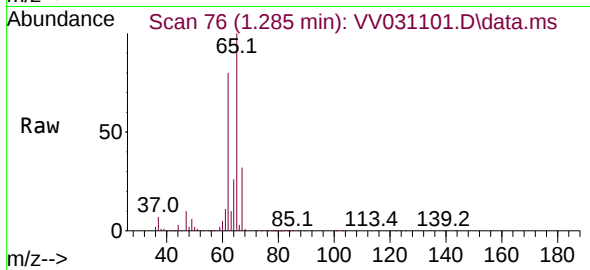




#5
 Vinyl chloride
 Concen: 50.219 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

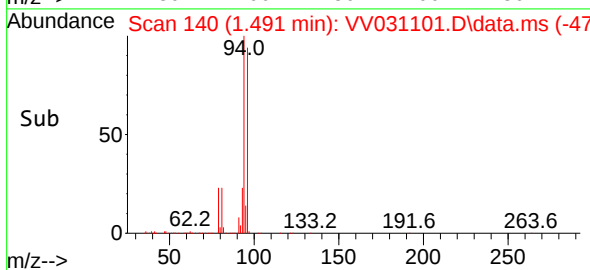
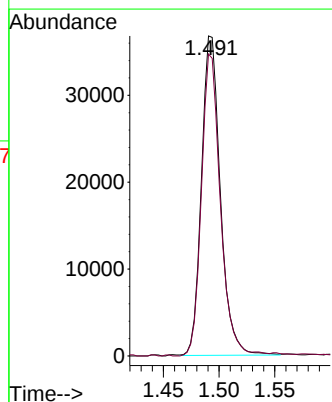
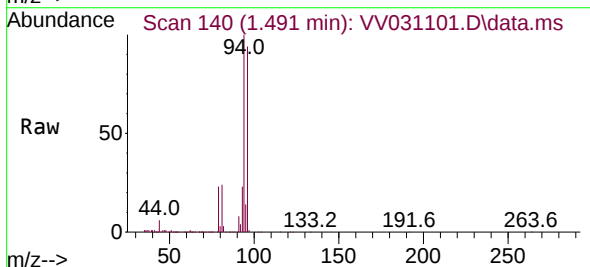
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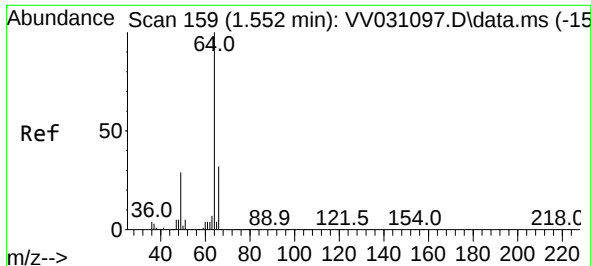
Tgt Ion: 62 Resp: 89378
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 43.534 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

Tgt Ion: 94 Resp: 43422
 Ion Ratio Lower Upper
 94 100
 96 94.4 63.9 118.7

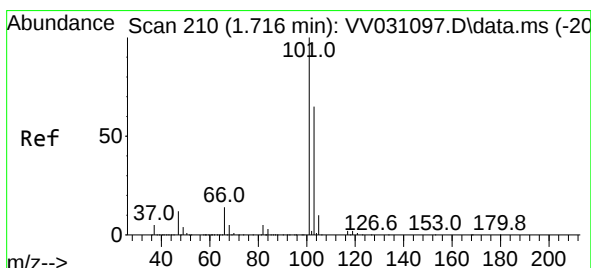
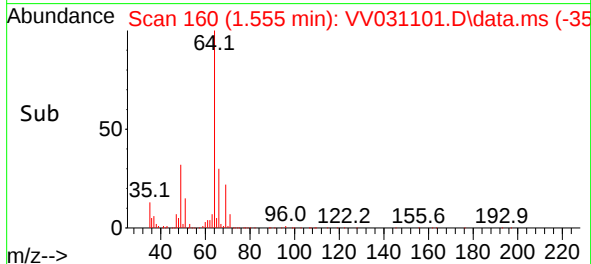
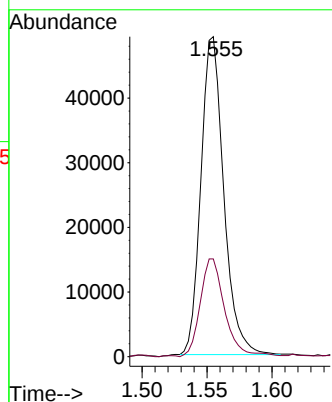
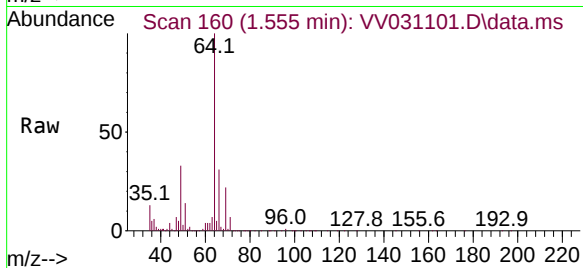




#8
Chloroethane
Concen: 52.579 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

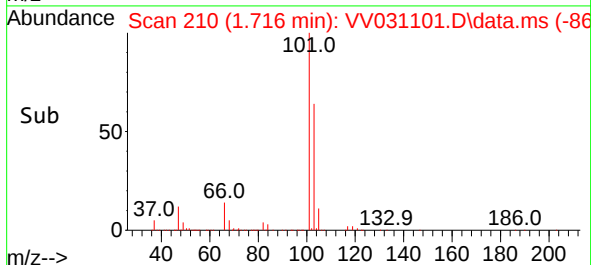
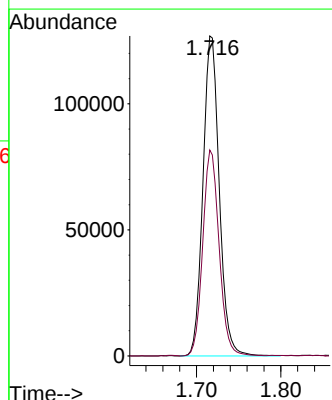
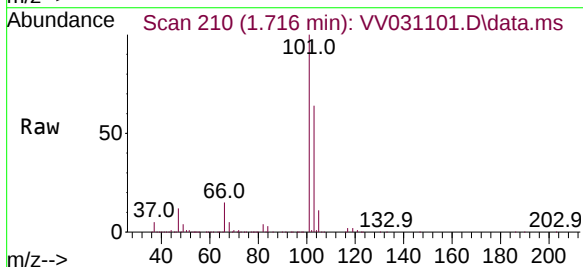
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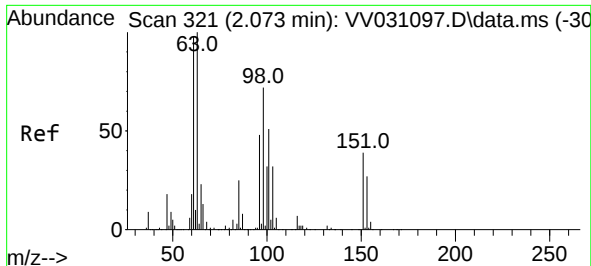
Tgt Ion: 64 Resp: 60301
Ion Ratio Lower Upper
64 100
66 30.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.936 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 101 Resp: 171305
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2

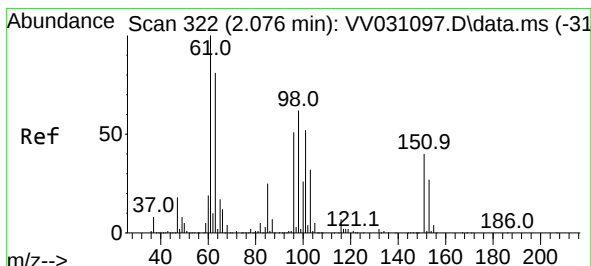
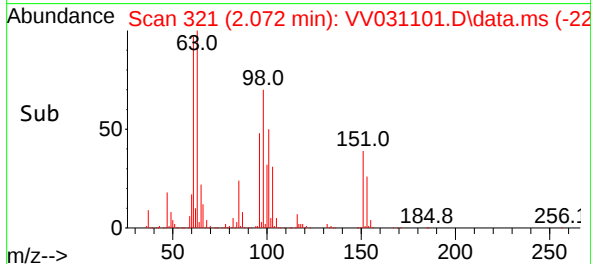
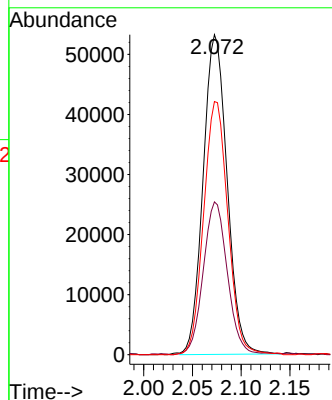
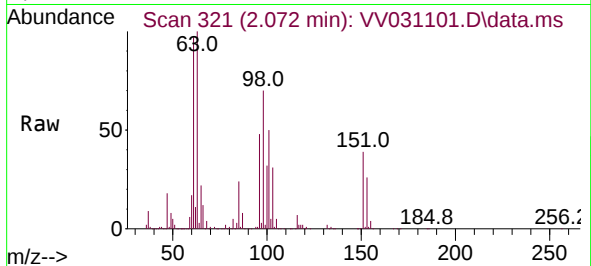




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.461 ug/L
 RT: 2.072 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

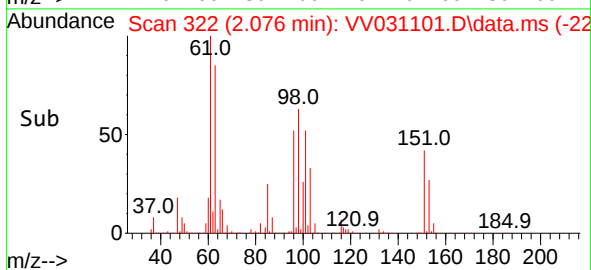
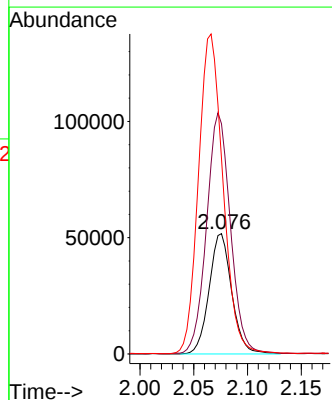
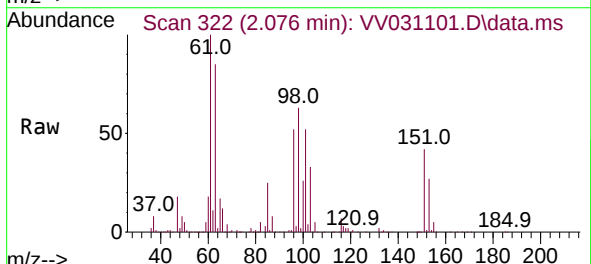
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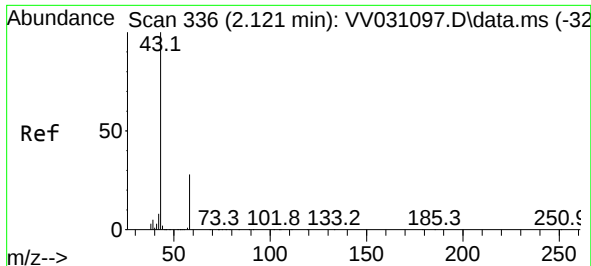
Tgt Ion:101 Resp: 91308
 Ion Ratio Lower Upper
 101 100
 85 47.9 38.0 57.0
 151 79.8 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 48.313 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

Tgt Ion: 96 Resp: 75660
 Ion Ratio Lower Upper
 96 100
 61 191.4 137.9 256.1
 63 162.6 114.2 212.0





#13

Acetone

Concen: 88.831 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

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MSVOA_V

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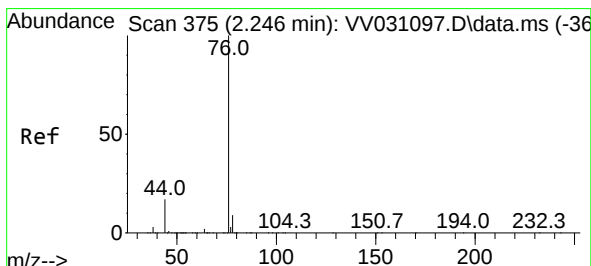
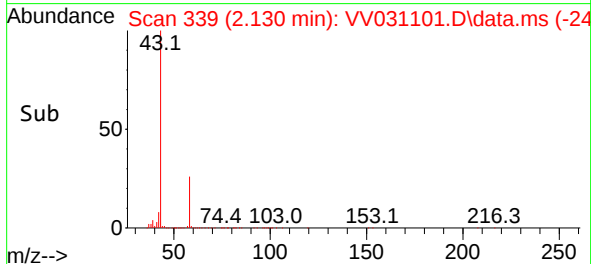
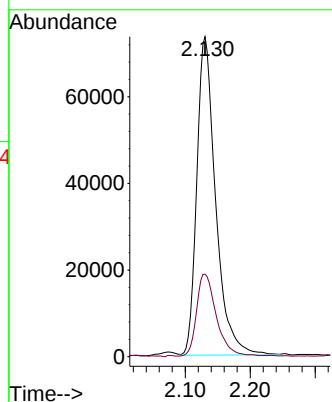
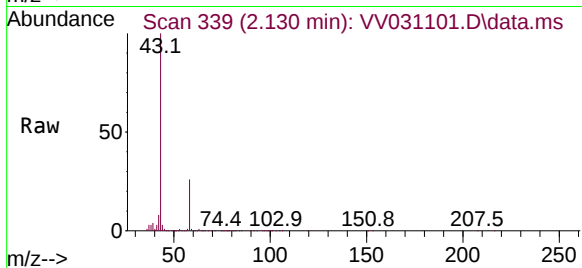
VSTD050346

Tgt Ion: 43 Resp: 148264

Ion Ratio Lower Upper

43 100

58 26.8 0.0 54.0



#14

Carbon disulfide

Concen: 51.332 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031101.D

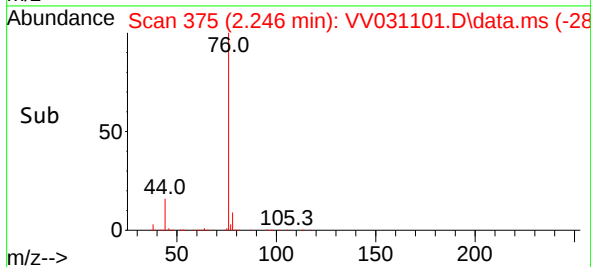
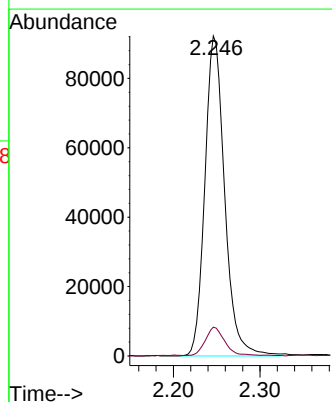
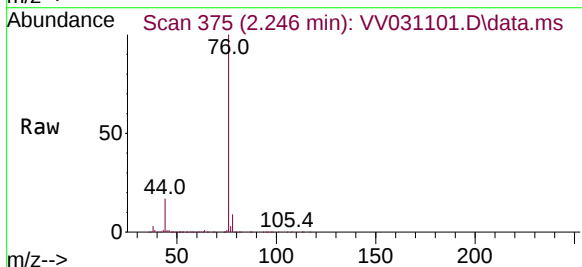
Acq: 19 May 2023 12:19

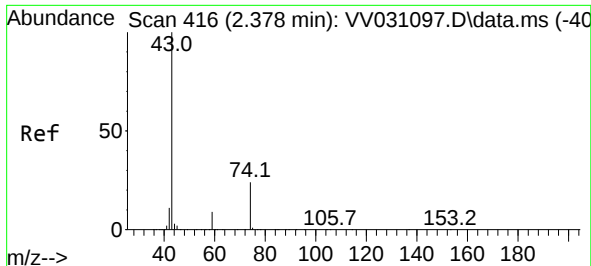
Tgt Ion: 76 Resp: 146493

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

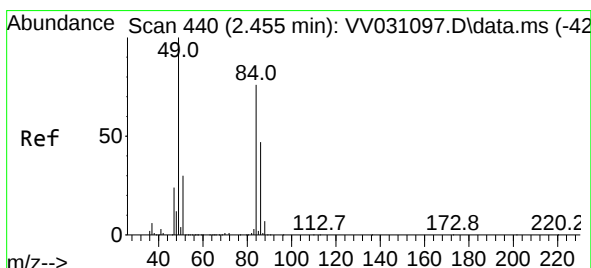
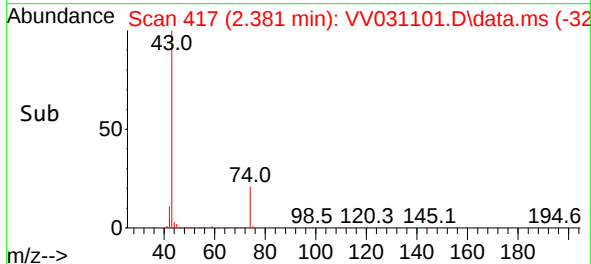
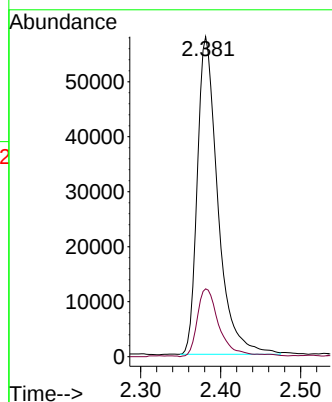
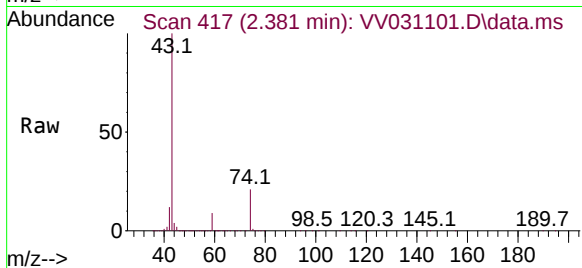




#15
Methyl Acetate
Concen: 54.459 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

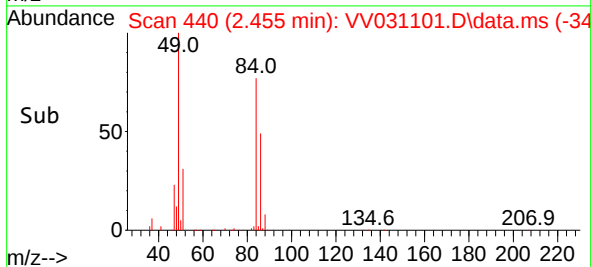
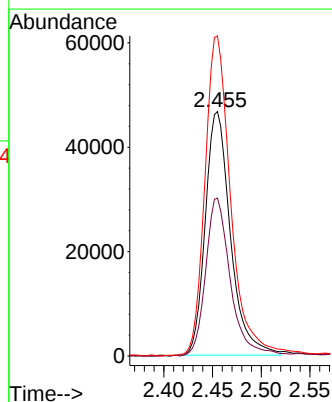
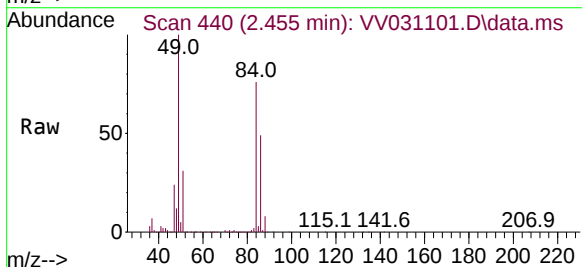
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

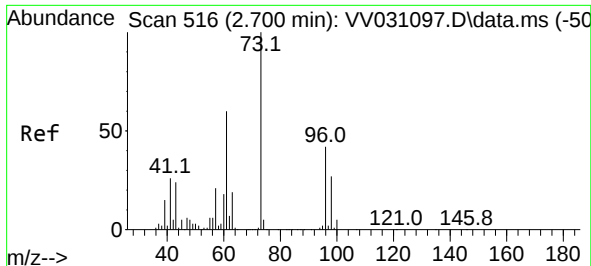
Tgt Ion: 43 Resp: 103306
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1



#16
Methylene chloride
Concen: 48.285 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 84 Resp: 84182
Ion Ratio Lower Upper
84 100
86 64.6 43.3 80.3
49 130.9 92.6 172.0

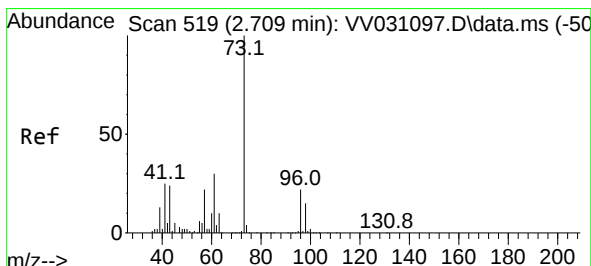
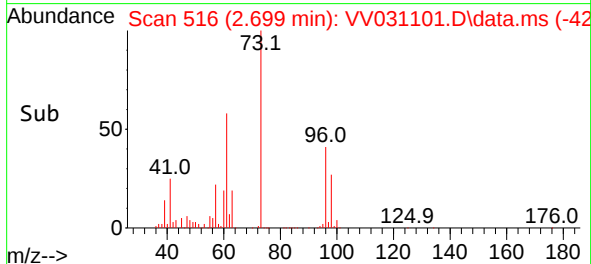
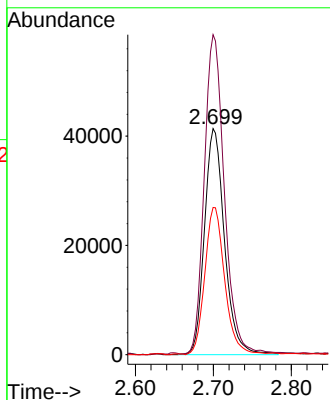
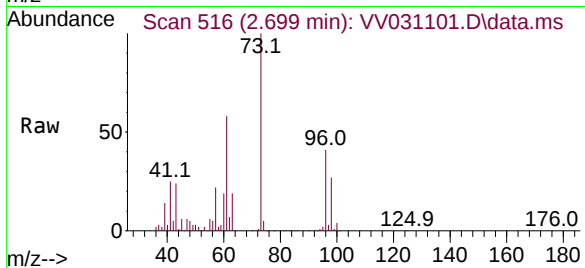




#17
trans-1,2-Dichloroethene
Concen: 51.112 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

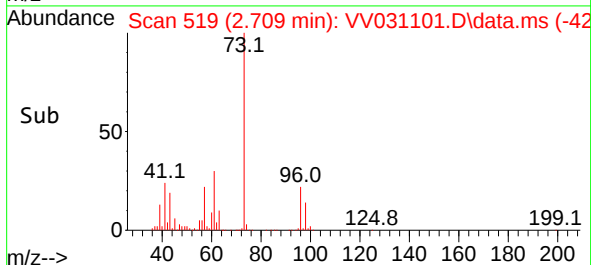
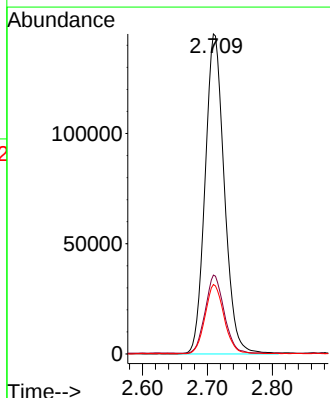
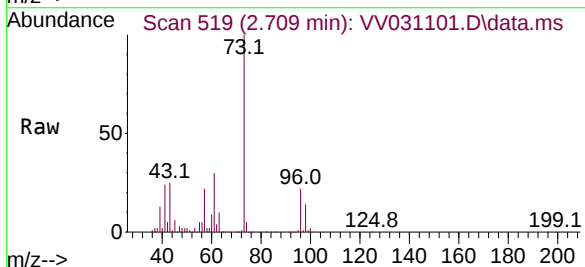
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

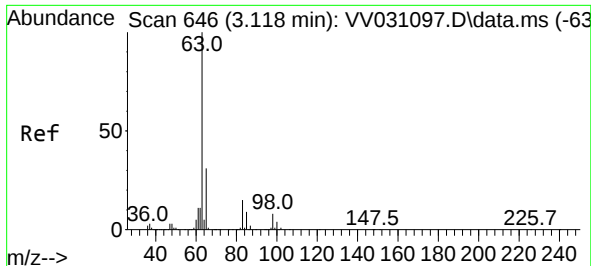
Tgt Ion: 96 Resp: 74006
Ion Ratio Lower Upper
96 100
61 141.6 100.0 185.6
98 65.1 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 53.463 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 73 Resp: 299036
Ion Ratio Lower Upper
73 100
43 23.9 19.4 29.2
57 21.3 17.1 25.7

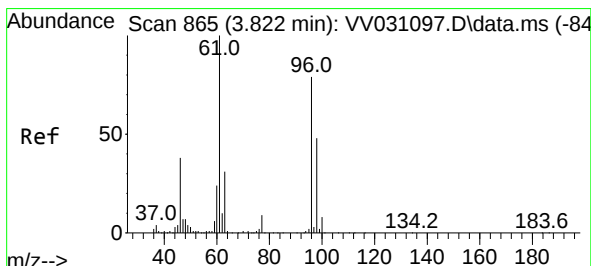
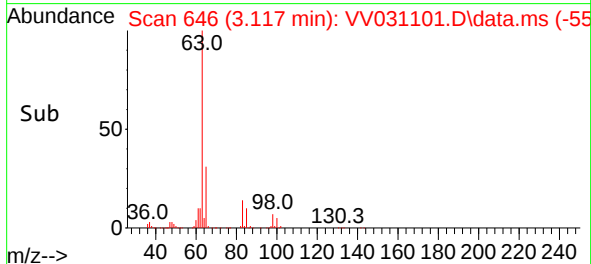
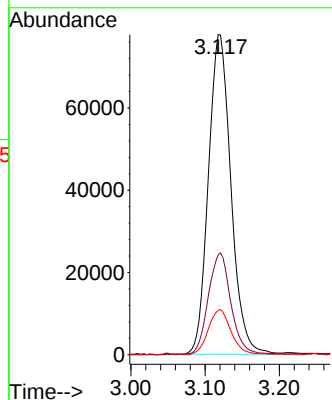
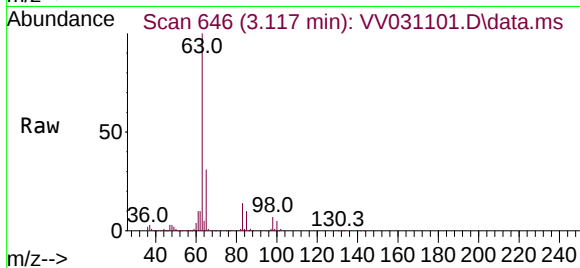




#19
1,1-Dichloroethane
Concen: 49.720 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

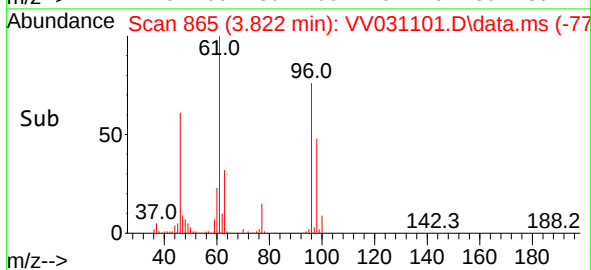
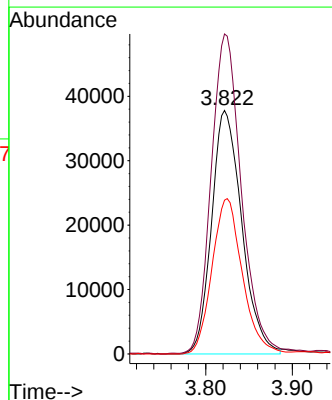
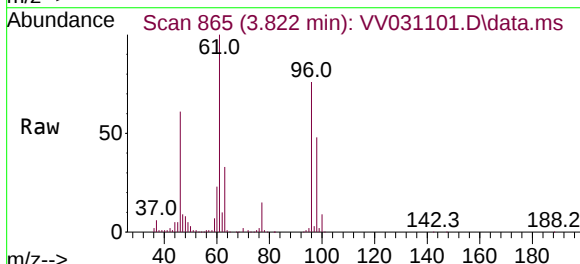
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

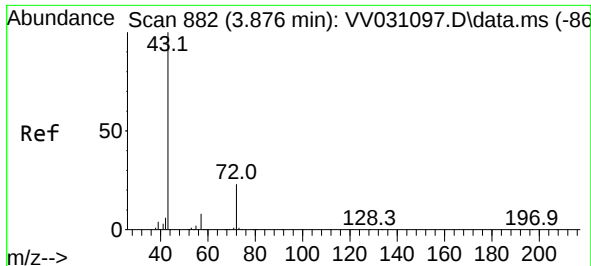
Tgt Ion: 63 Resp: 164065
Ion Ratio Lower Upper
63 100
65 31.2 21.9 40.7
83 13.9 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 51.288 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 96 Resp: 91545
Ion Ratio Lower Upper
96 100
61 131.4 89.2 165.6
98 63.1 43.0 80.0

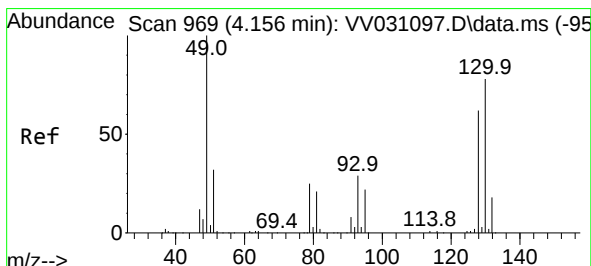
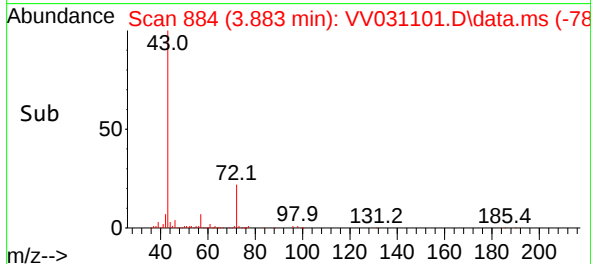
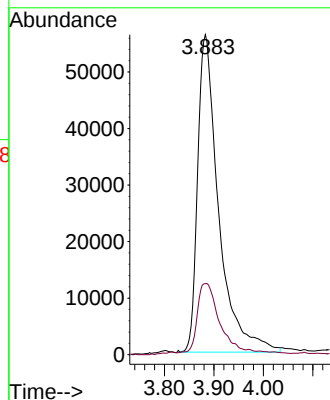
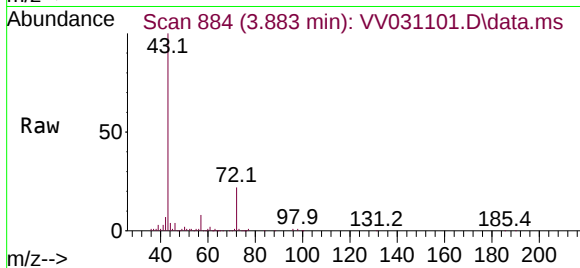




#22
2-Butanone
Concen: 103.604 ug/L
RT: 3.883 min Scan# 884
Delta R.T. 0.006 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

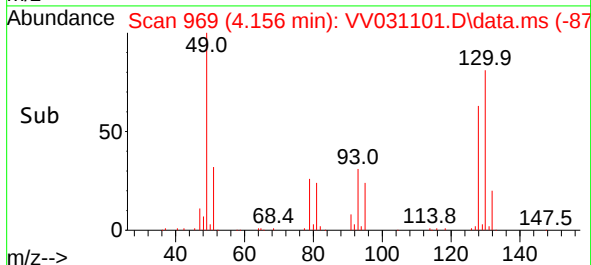
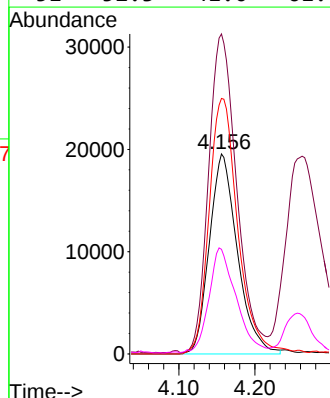
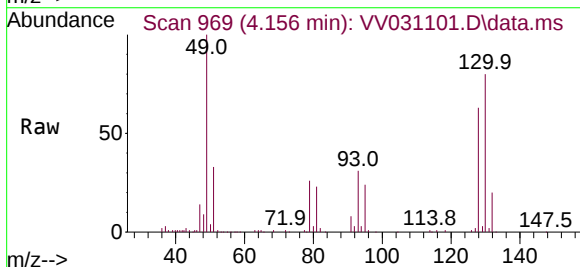
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

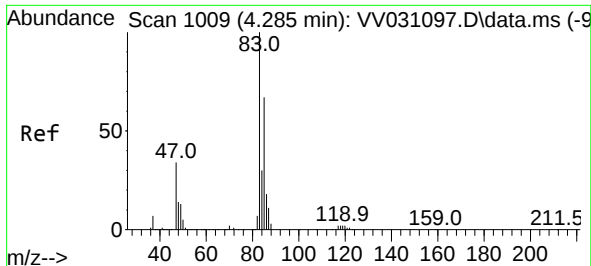
Tgt Ion: 43 Resp: 165824
Ion Ratio Lower Upper
43 100
72 20.7 11.9 35.7



#23
Bromochloromethane
Concen: 51.071 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 128 Resp: 50094
Ion Ratio Lower Upper
128 100
49 160.0 113.2 210.2
130 127.7 87.5 162.5
51 52.3 41.0 61.4

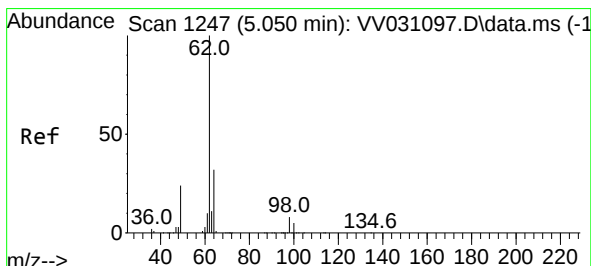
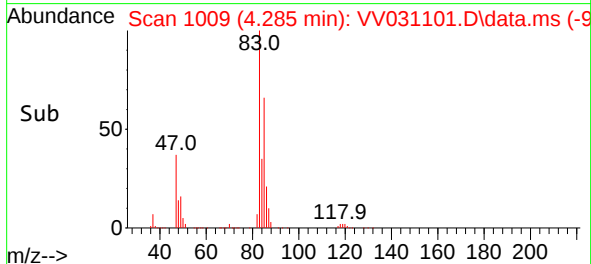
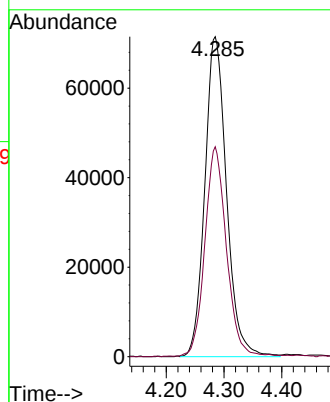
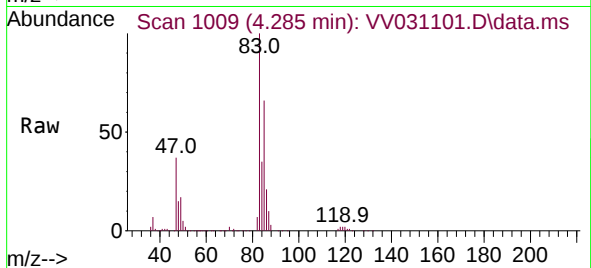




#25
Chloroform
Concen: 50.616 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

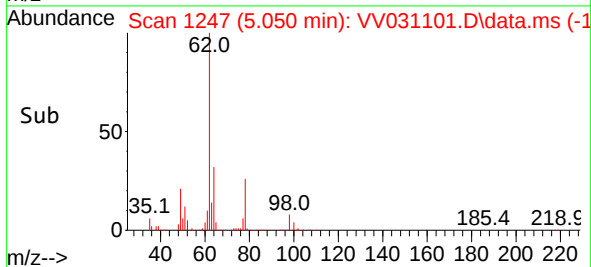
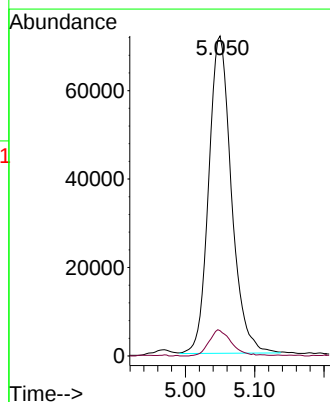
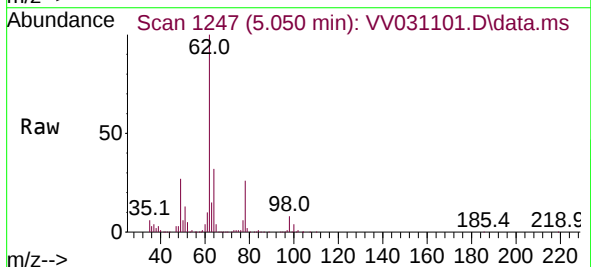
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

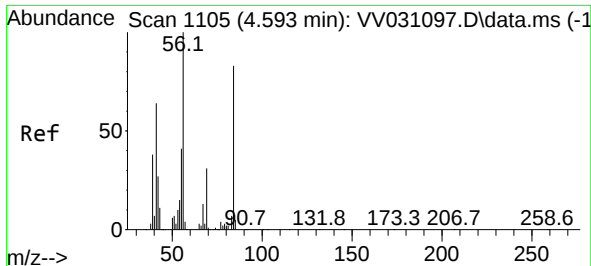
Tgt Ion: 83 Resp: 186580
Ion Ratio Lower Upper
83 100
85 65.6 47.3 87.9



#27
1,2-Dichloroethane
Concen: 52.146 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 62 Resp: 163089
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#29

Cyclohexane

Concen: 50.749 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

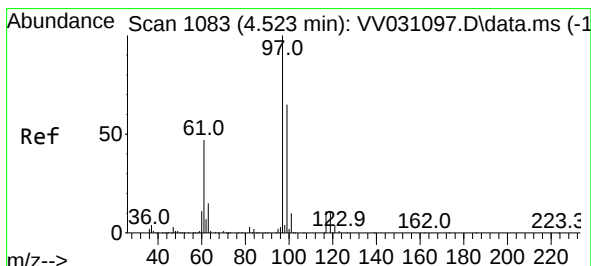
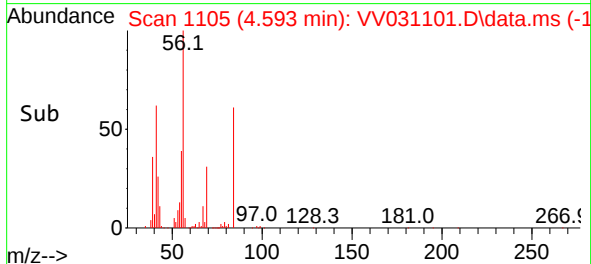
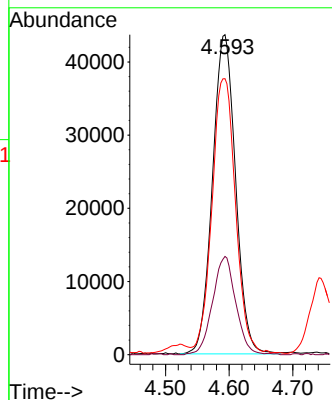
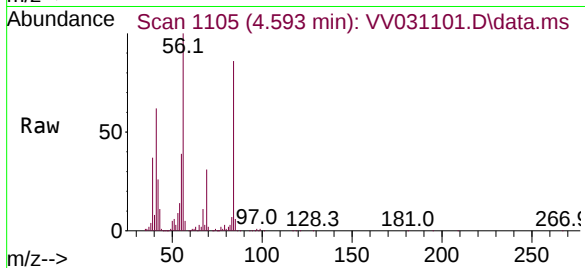
Tgt Ion: 56 Resp: 109957

Ion Ratio Lower Upper

56 100

69 30.8 25.1 37.7

84 86.9 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 50.431 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

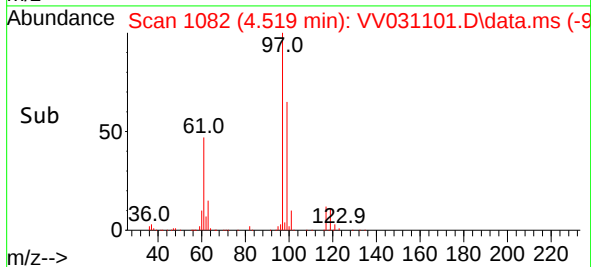
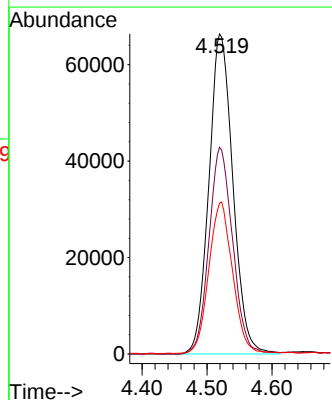
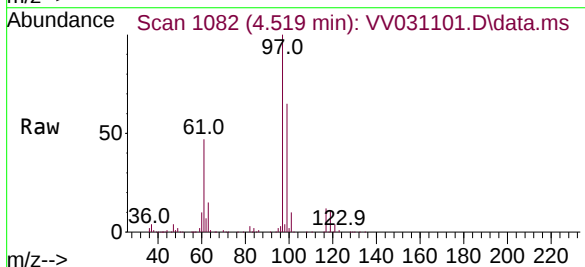
Tgt Ion: 97 Resp: 170394

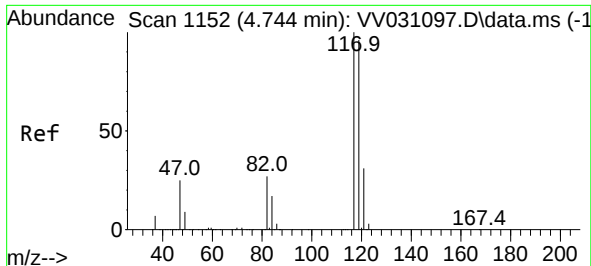
Ion Ratio Lower Upper

97 100

99 63.6 51.9 77.9

61 46.6 38.2 57.2

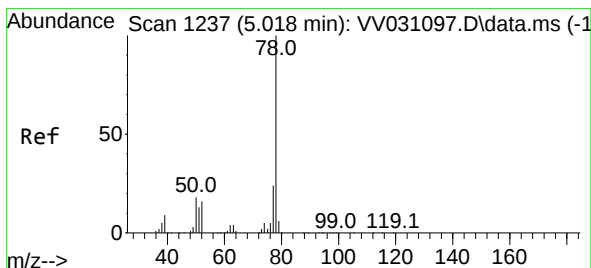
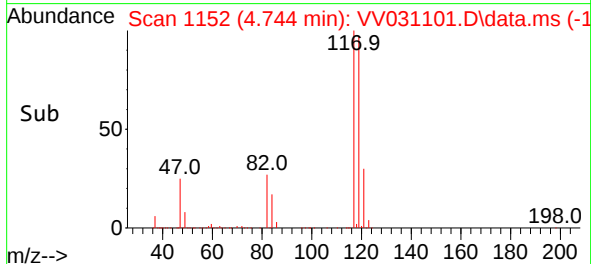
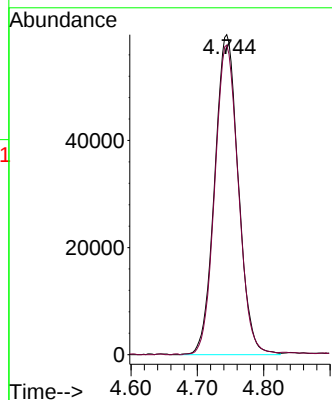
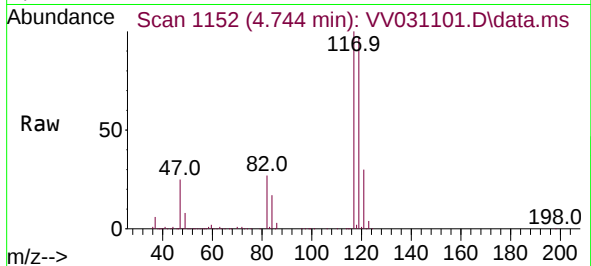




#31
Carbon tetrachloride
Concen: 50.389 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

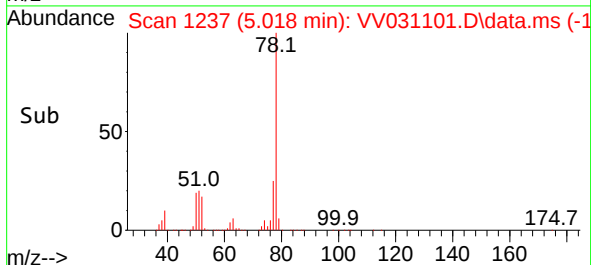
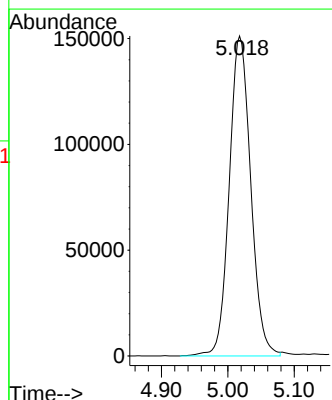
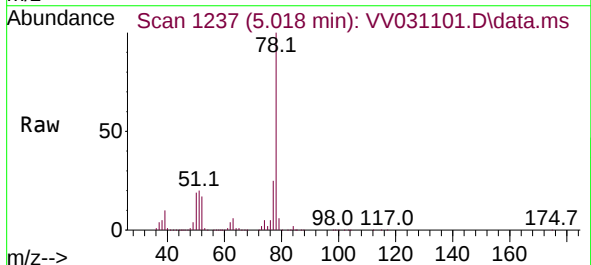
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

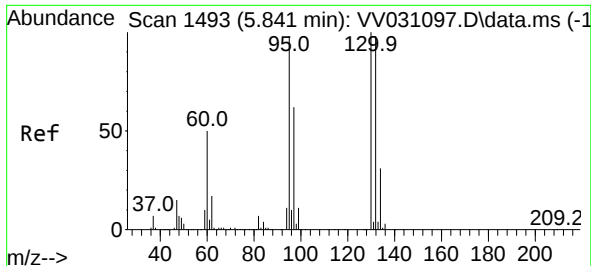
Tgt Ion:117 Resp: 148318
Ion Ratio Lower Upper
117 100
119 96.2 76.9 115.3



#33
Benzene
Concen: 51.679 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 78 Resp: 340897



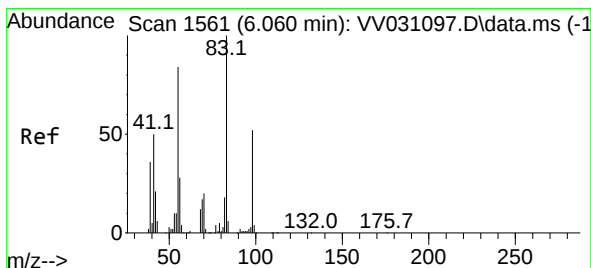
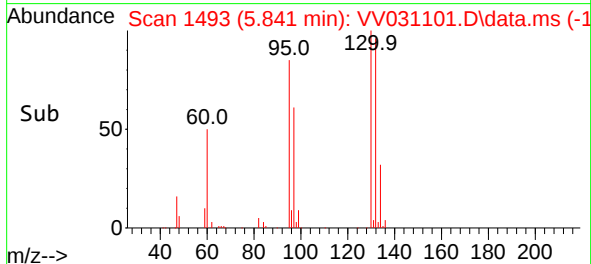
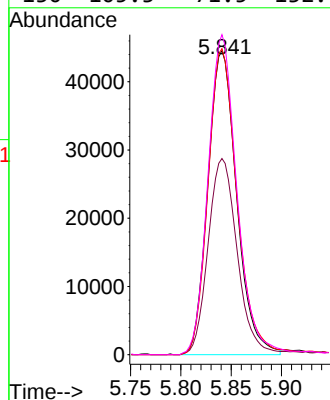
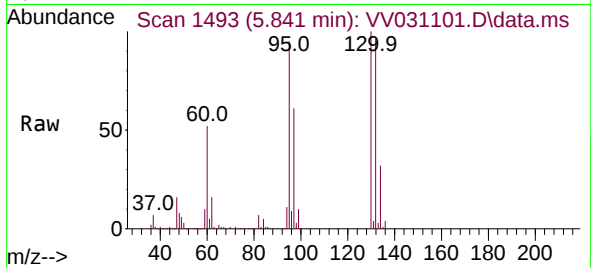


#34
Trichloroethene
Concen: 50.169 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

Tgt Ion: 95 Resp: 88674

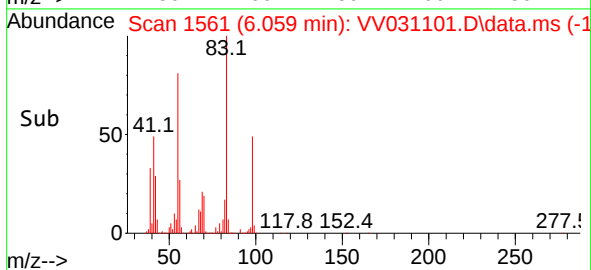
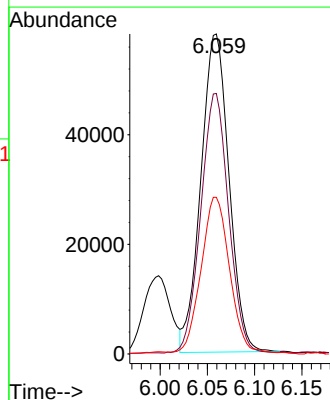
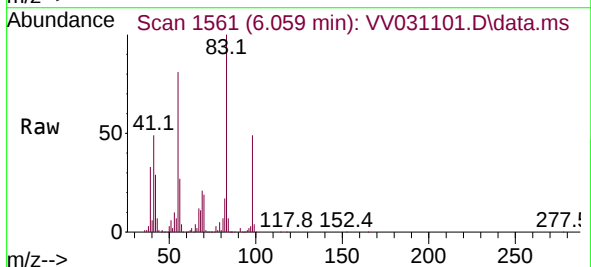
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.4	82.5
132	100.7	70.2	130.4
130	105.3	71.5	132.7

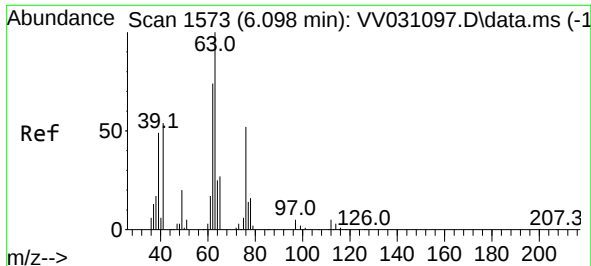


#35
Methylcyclohexane
Concen: 51.248 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 83 Resp: 120195

Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.2	96.2
98	49.4	40.0	60.0





#37

1,2-Dichloropropane

Concen: 50.952 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

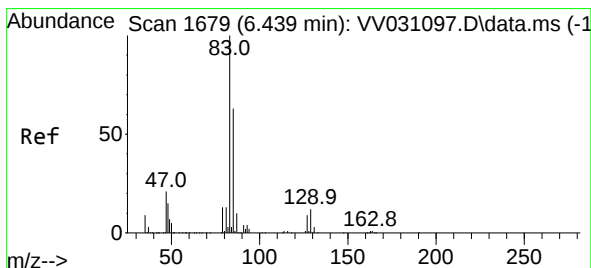
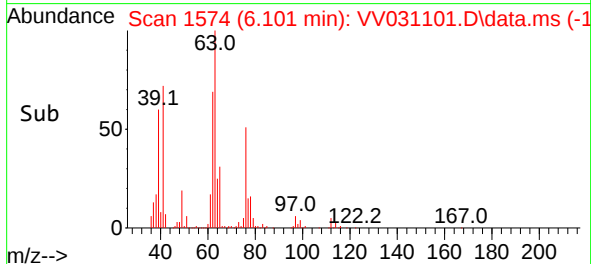
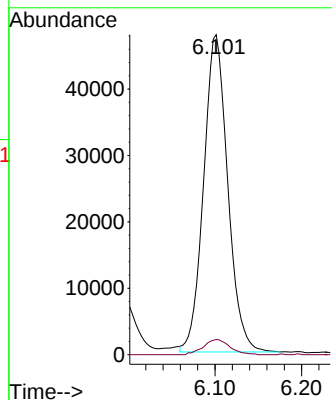
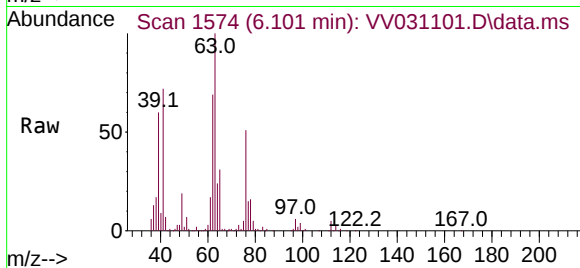
VSTD050346

Tgt Ion: 63 Resp: 92507

Ion Ratio Lower Upper

63 100

112 5.2 4.3 6.5



#38

Bromodichloromethane

Concen: 50.734 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

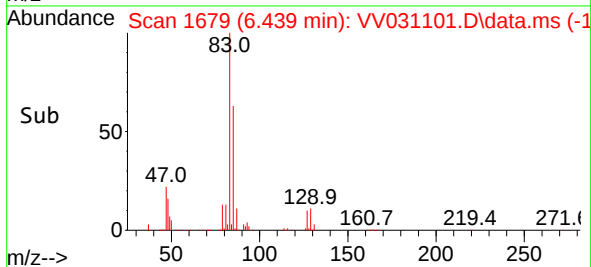
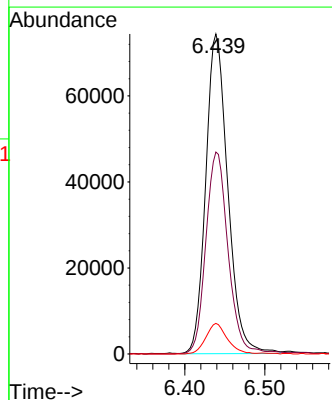
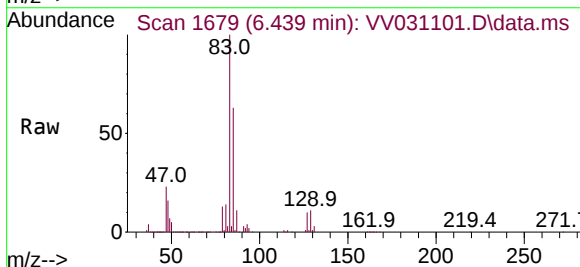
Tgt Ion: 83 Resp: 142788

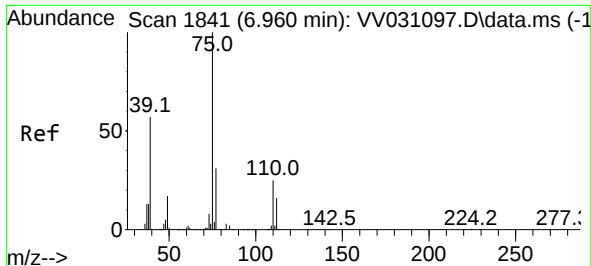
Ion Ratio Lower Upper

83 100

85 63.1 44.0 81.6

127 9.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 54.414 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

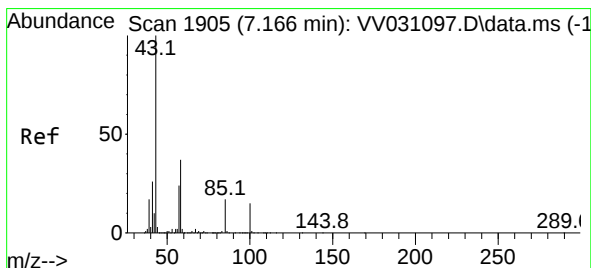
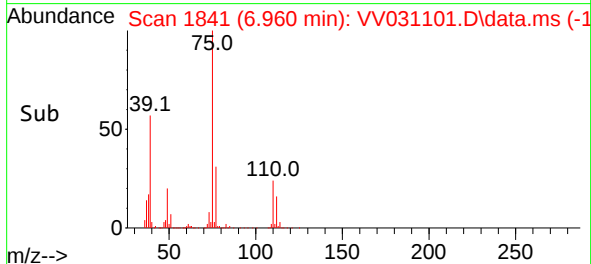
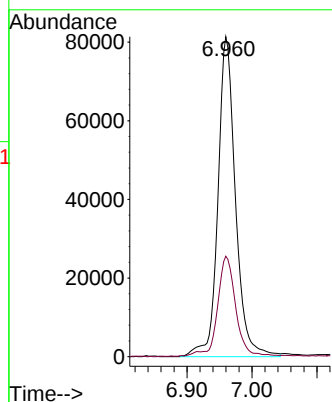
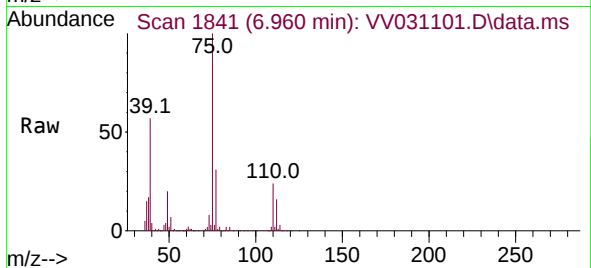
VSTD050346

Tgt Ion: 75 Resp: 152340

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 109.768 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

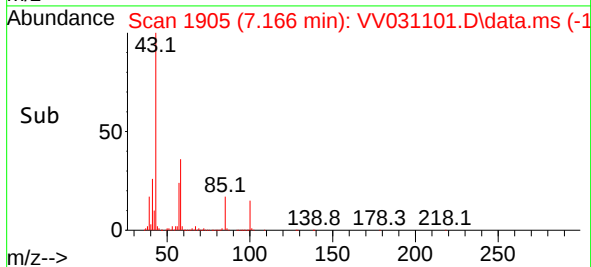
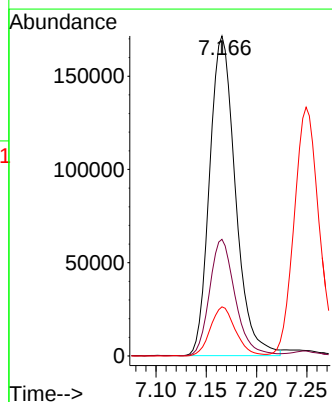
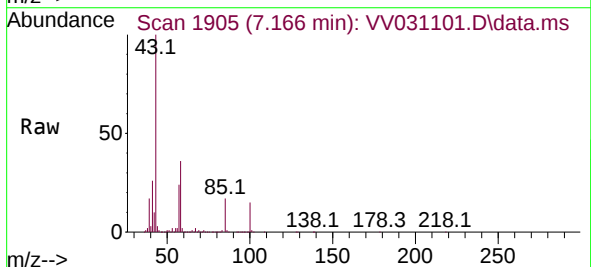
Tgt Ion: 43 Resp: 306670

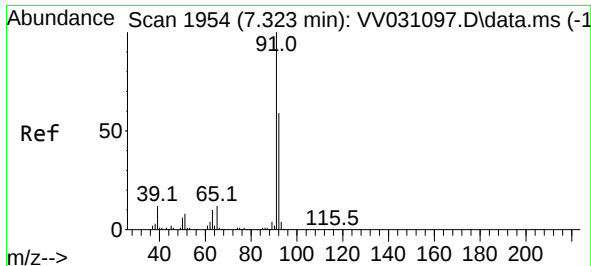
Ion Ratio Lower Upper

43 100

58 36.1 29.0 43.4

100 15.0 12.2 18.4

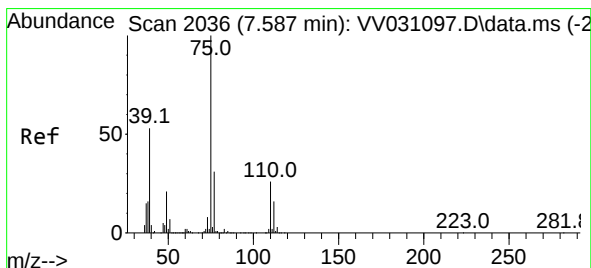
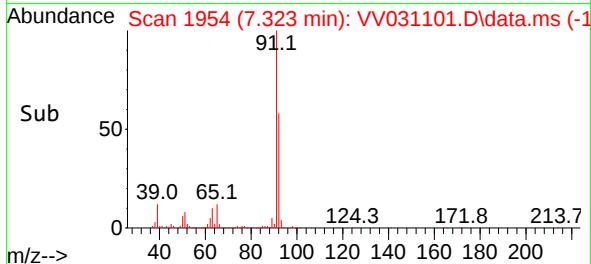
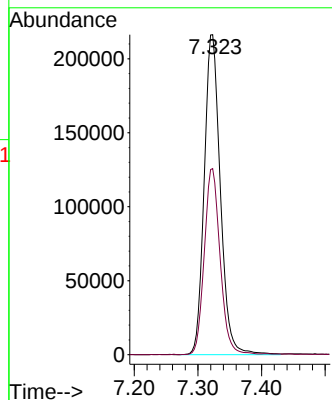
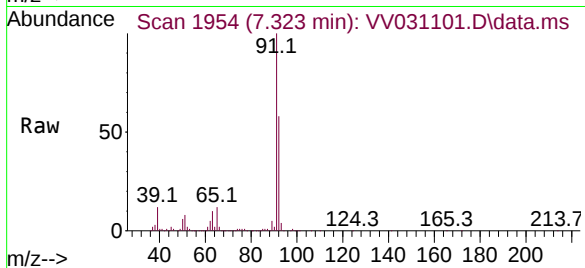




#42
Toluene
Concen: 53.391 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

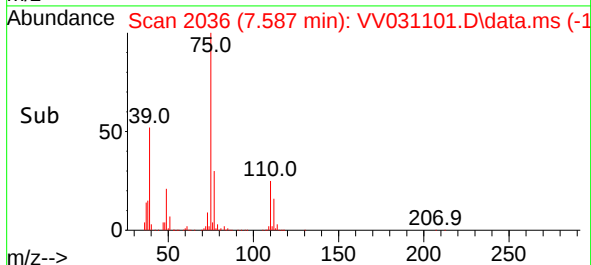
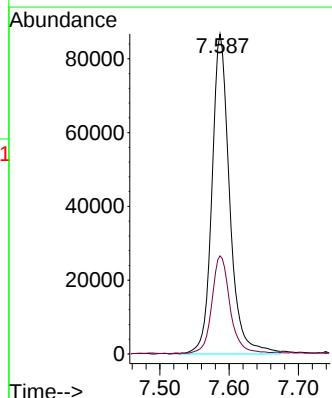
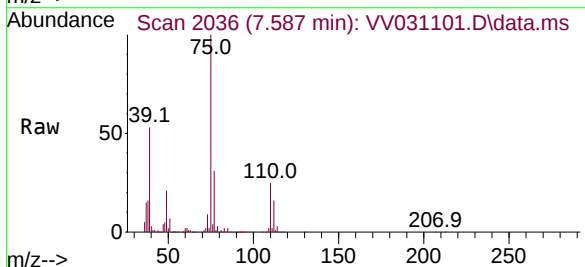
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

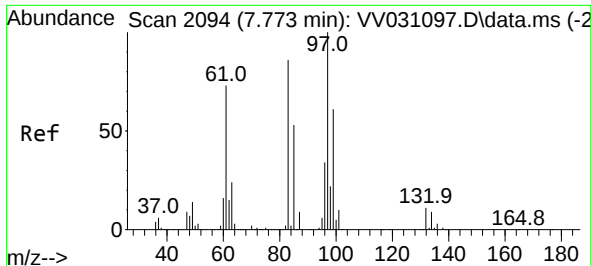
Tgt Ion: 91 Resp: 381045
Ion Ratio Lower Upper
91 100
92 58.1 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 54.360 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 75 Resp: 153958
Ion Ratio Lower Upper
75 100
77 30.7 22.2 41.2



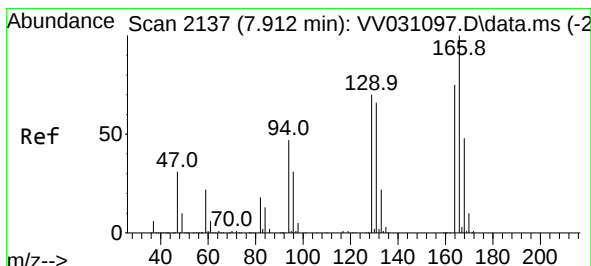
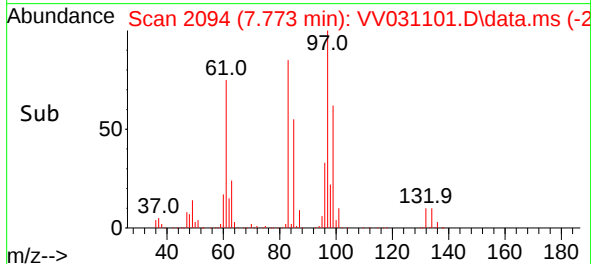
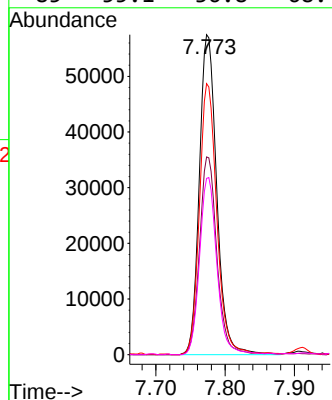
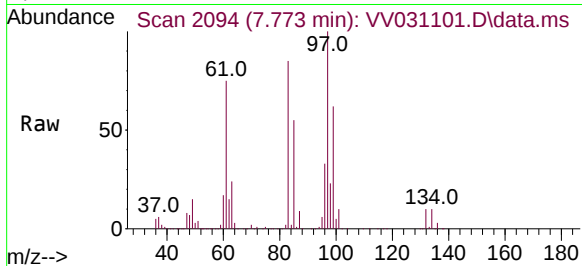


#45
1,1,2-Trichloroethane
Concen: 50.803 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

Tgt Ion: 97 Resp: 100651

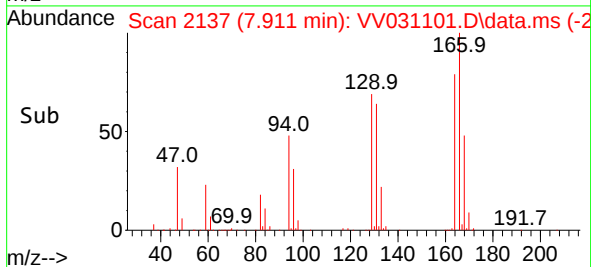
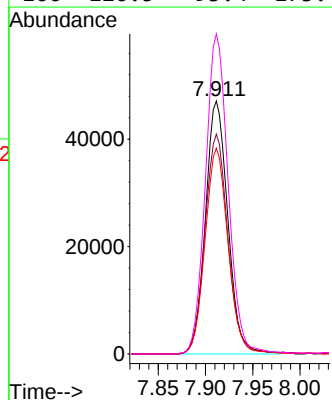
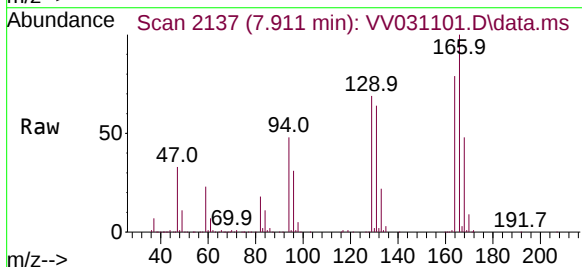
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.2	80.2
83	84.7	60.5	112.3
85	55.1	36.8	68.4

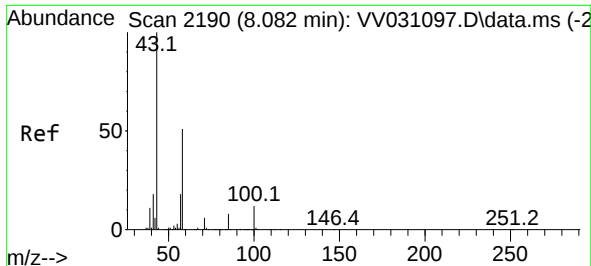


#46
Tetrachloroethene
Concen: 51.189 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 164 Resp: 77690

Ion	Ratio	Lower	Upper
164	100		
129	86.9	65.5	121.7
131	81.4	62.1	115.3
166	126.5	93.4	173.4



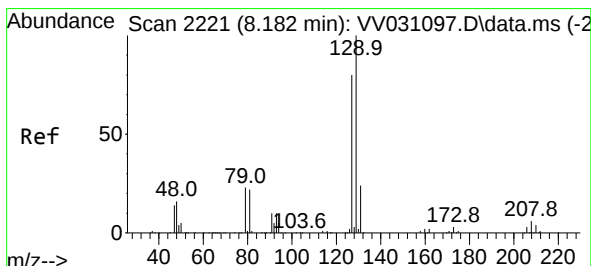
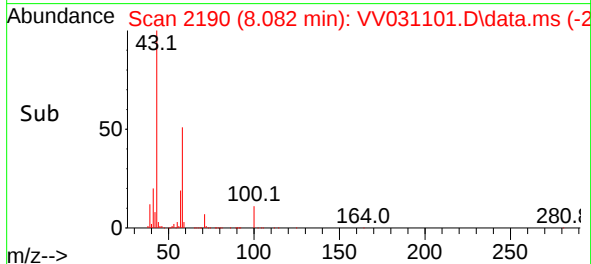
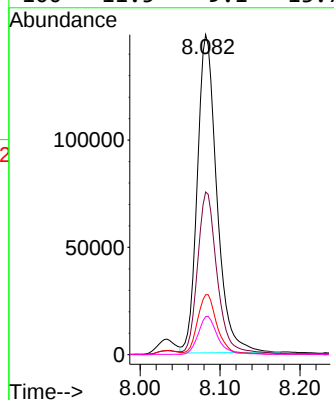
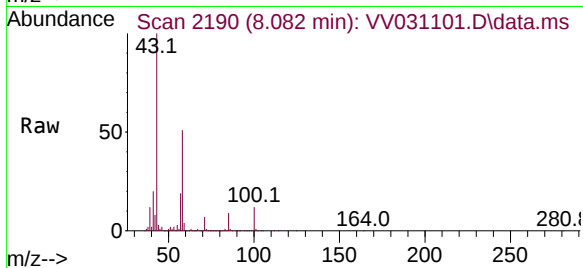


#48
2-Hexanone
Concen: 108.573 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

Tgt Ion: 43 Resp: 252645

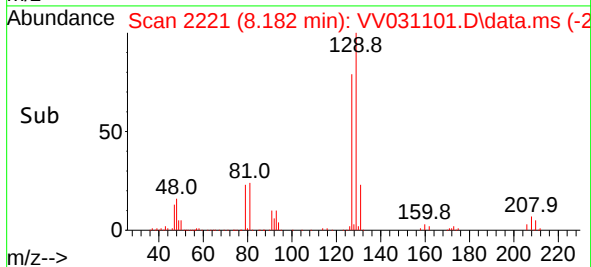
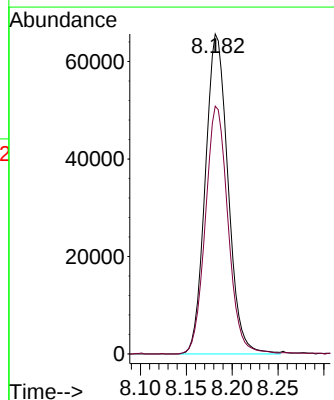
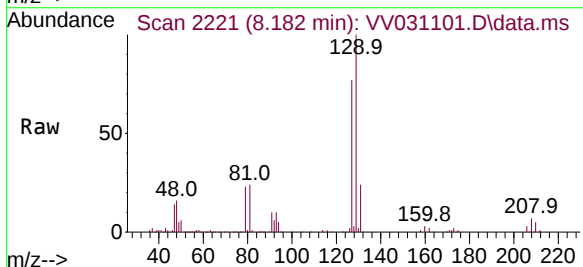
Ion	Ratio	Lower	Upper
43	100		
58	51.4	39.8	59.6
57	19.0	14.4	21.6
100	11.5	9.1	13.7

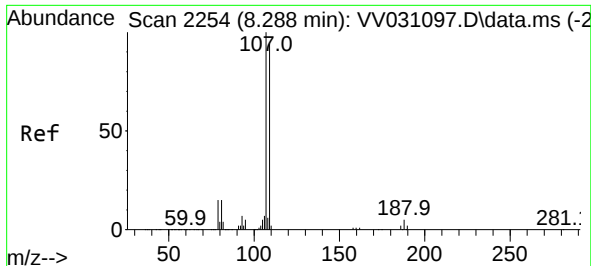


#49
Dibromochloromethane
Concen: 50.579 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 129 Resp: 113060

Ion	Ratio	Lower	Upper
129	100		
127	77.5	56.1	104.1





#50

1,2-Dibromoethane

Concen: 50.346 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

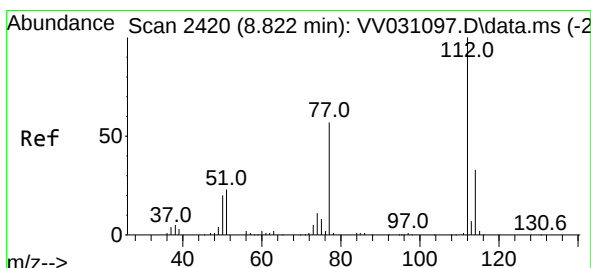
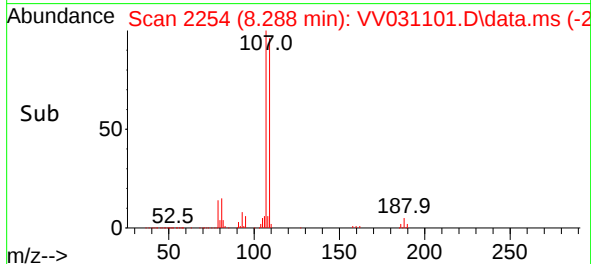
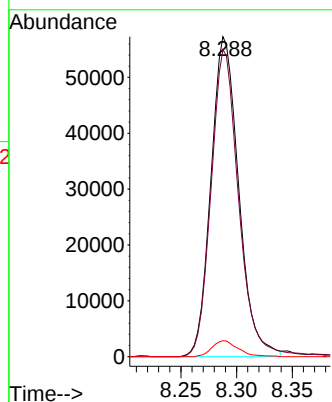
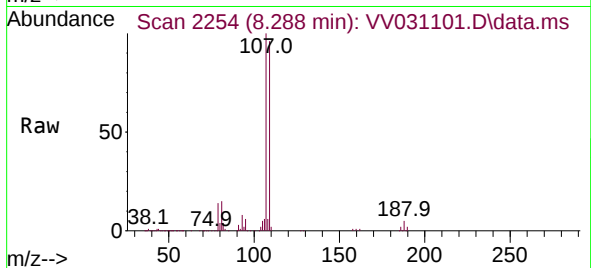
Tgt Ion:107 Resp: 99170

Ion Ratio Lower Upper

107 100

109 96.0 65.6 121.8

188 5.0 3.8 5.6



#51

Chlorobenzene

Concen: 49.704 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

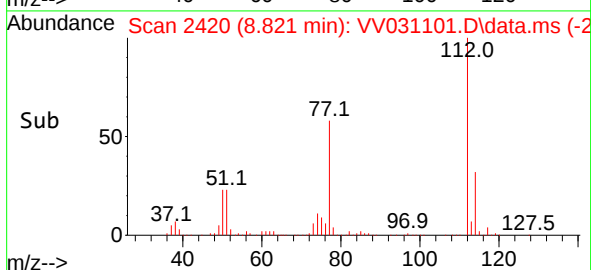
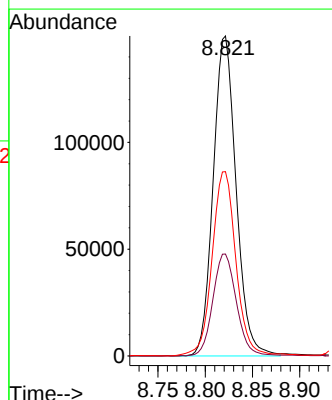
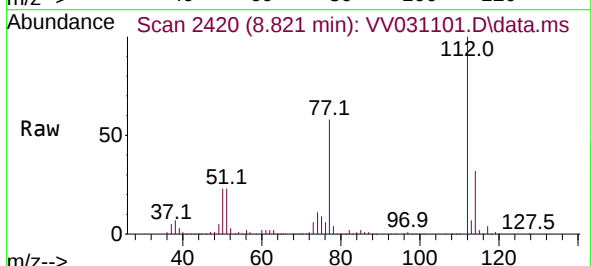
Tgt Ion:112 Resp: 252480

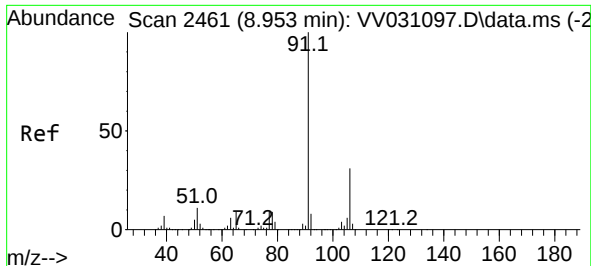
Ion Ratio Lower Upper

112 100

114 31.8 23.0 42.8

77 57.6 46.2 69.4





#52

Ethylbenzene

Concen: 52.425 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

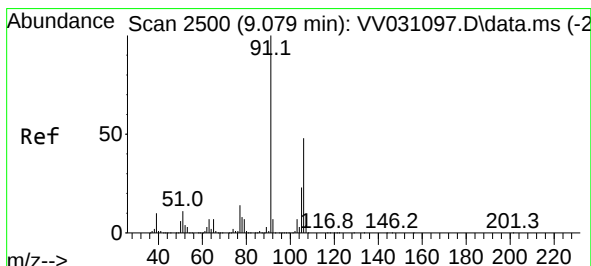
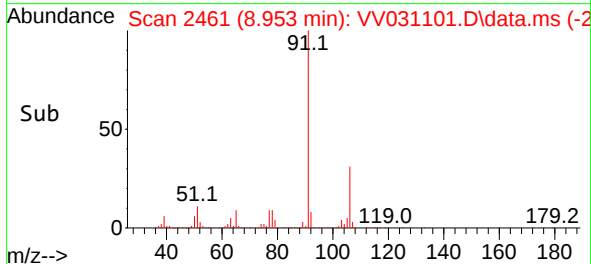
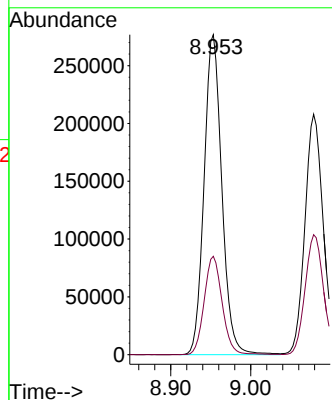
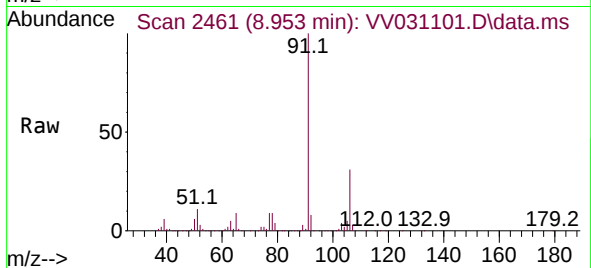
VSTD050346

Tgt Ion: 91 Resp: 428374

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 52.542 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031101.D

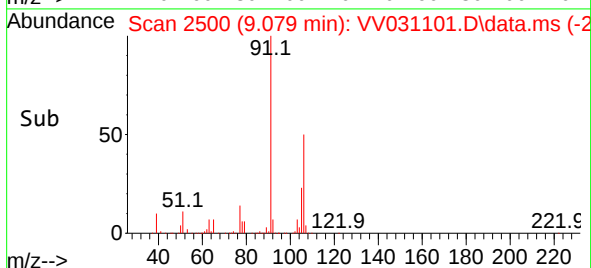
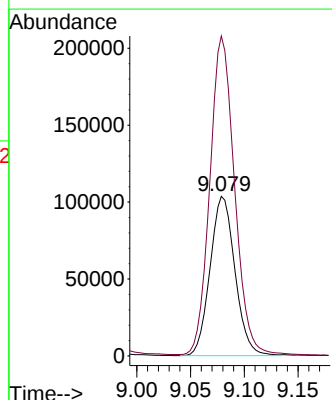
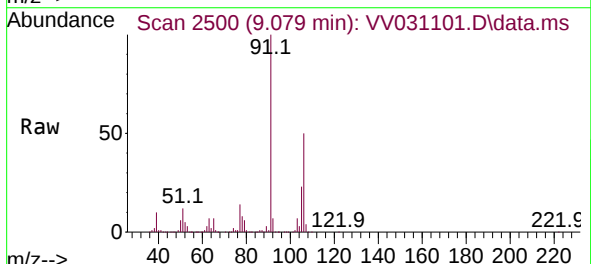
Acq: 19 May 2023 12:19

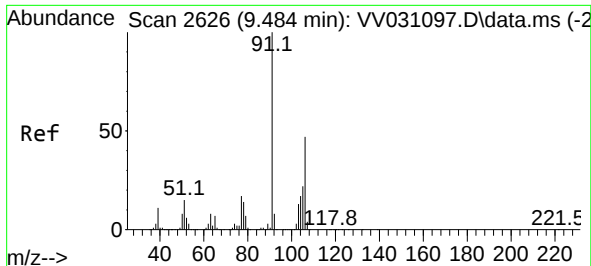
Tgt Ion: 106 Resp: 166538

Ion Ratio Lower Upper

106 100

91 200.4 145.3 269.8

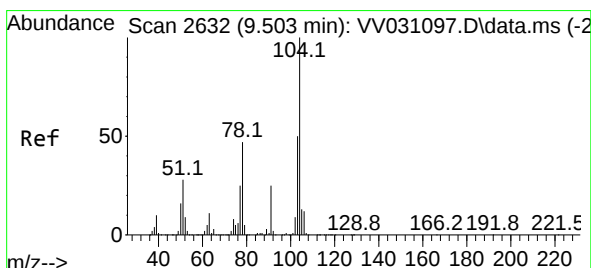
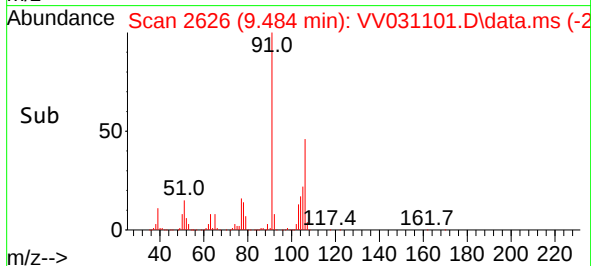
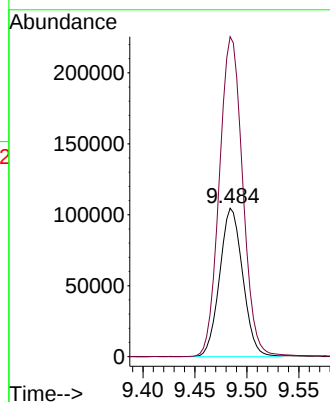
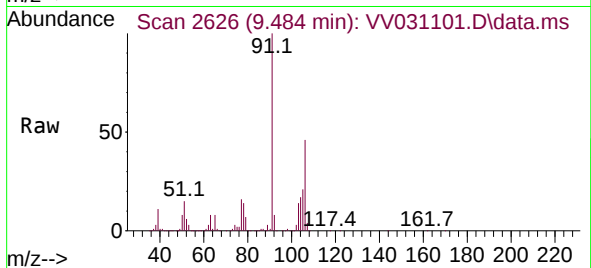




#54
o-Xylene
Concen: 51.811 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

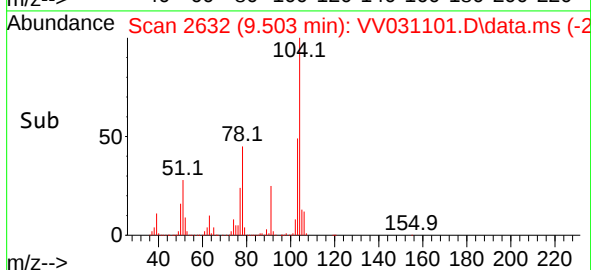
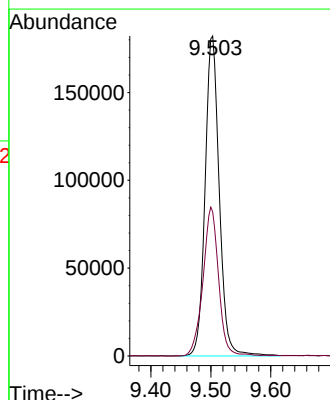
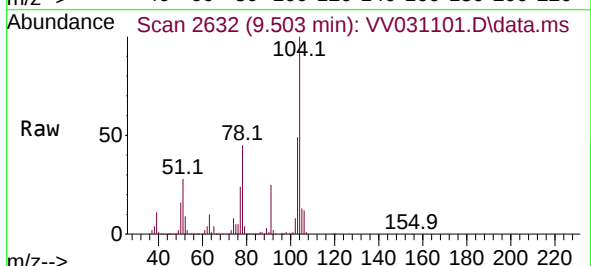
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

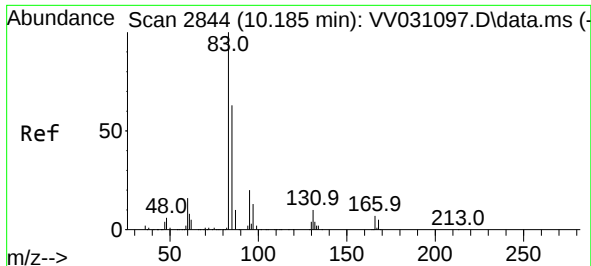
Tgt Ion:106 Resp: 162005
Ion Ratio Lower Upper
106 100
91 215.6 150.4 279.2



#55
Styrene
Concen: 54.395 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion:104 Resp: 300813
Ion Ratio Lower Upper
104 100
78 45.0 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 50.752 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

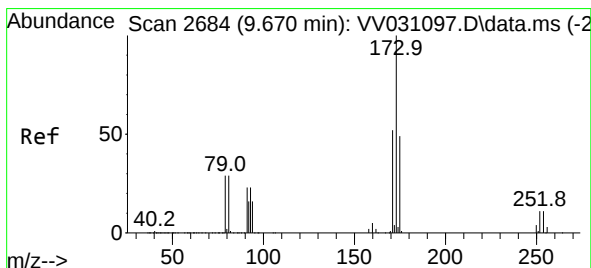
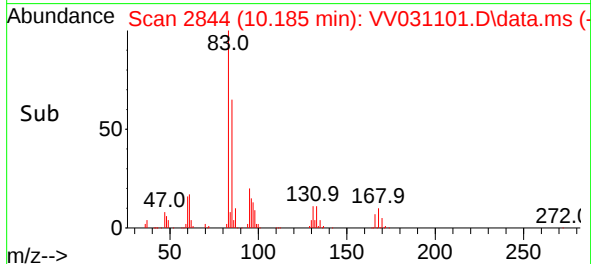
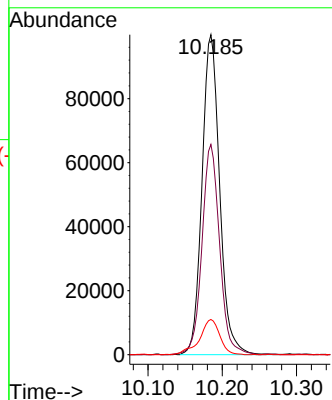
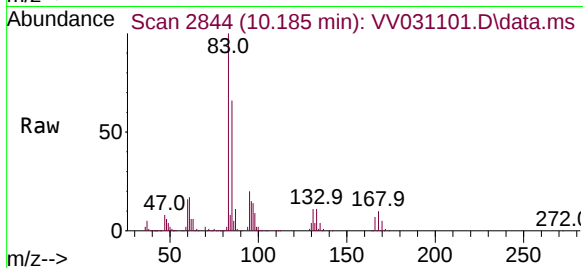
Tgt Ion: 83 Resp: 165208

Ion Ratio Lower Upper

83 100

85 65.7 45.0 83.6

131 11.0 9.2 13.8



#59

Bromoform

Concen: 50.464 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

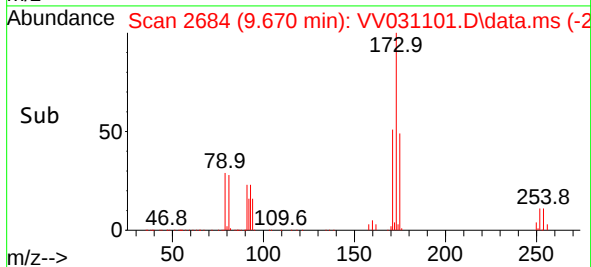
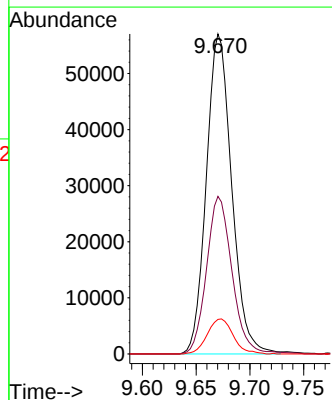
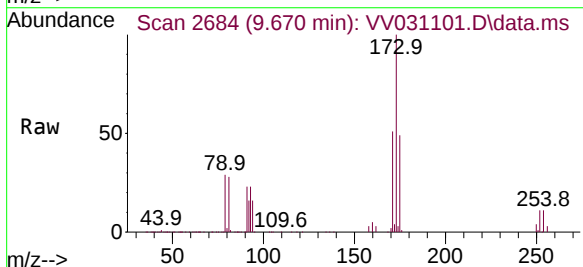
Tgt Ion: 173 Resp: 93733

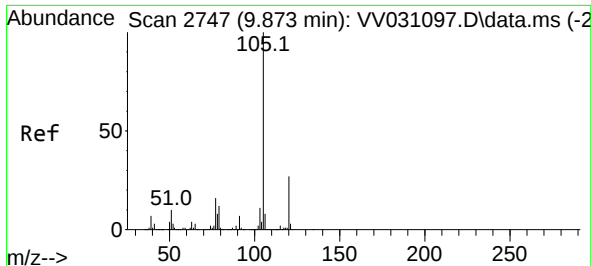
Ion Ratio Lower Upper

173 100

175 49.5 38.8 58.2

254 11.2 8.8 13.2

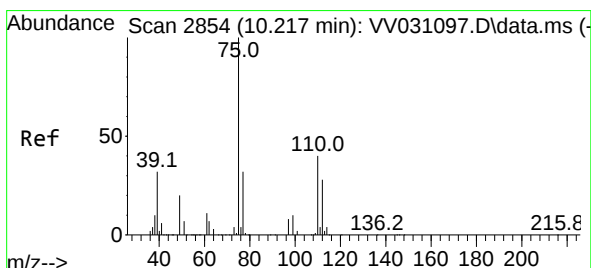
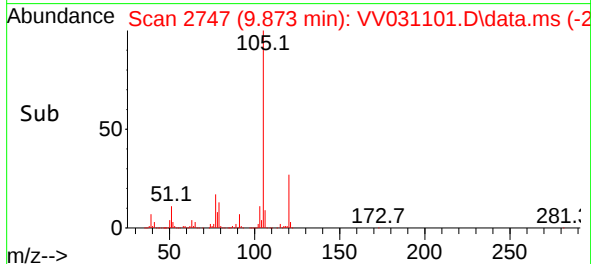
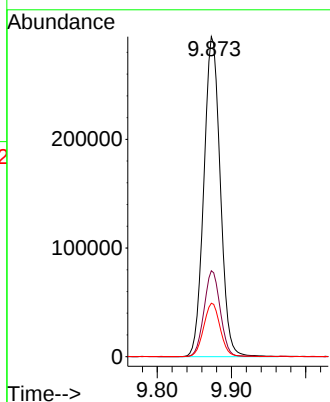
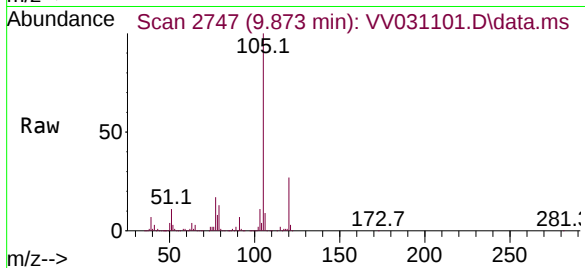




#60
Isopropylbenzene
Concen: 52.714 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

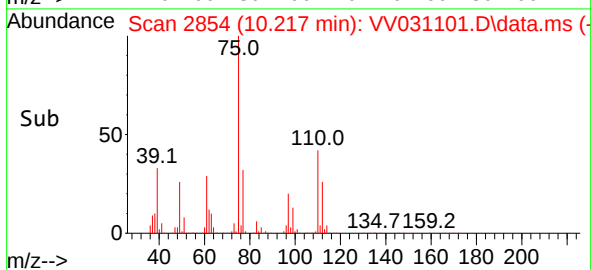
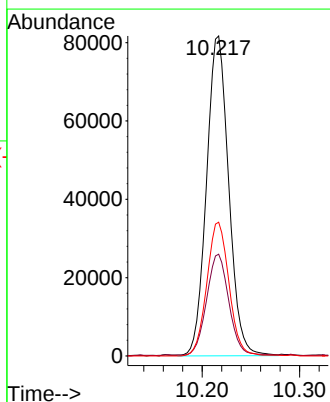
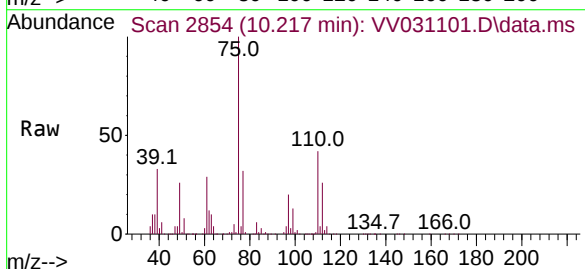
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

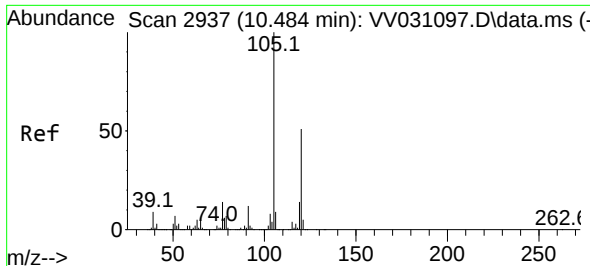
Tgt Ion:105 Resp: 451601
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 16.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 52.507 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion: 75 Resp: 129394
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
110 41.8 32.5 48.7

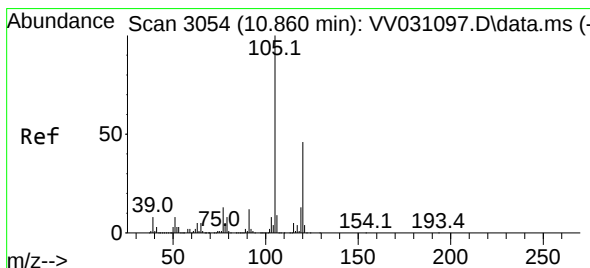
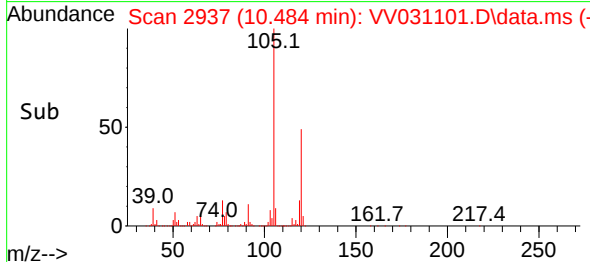
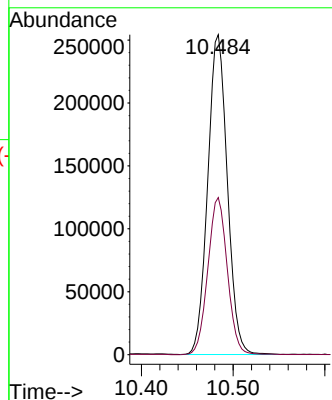
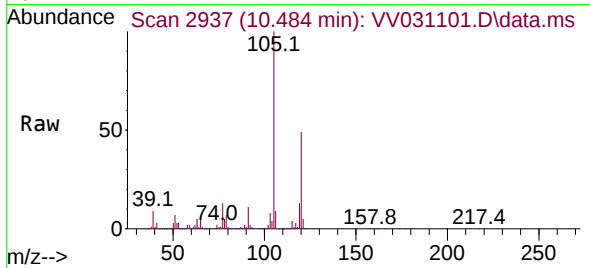




#62
 1,3,5-Trimethylbenzene
 Concen: 53.574 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

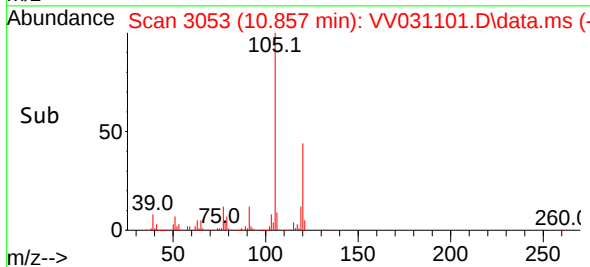
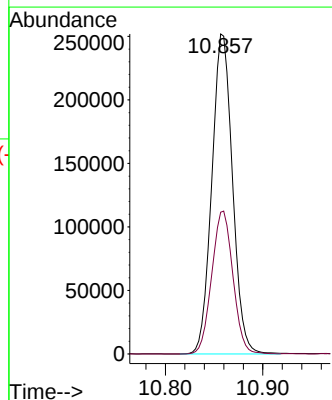
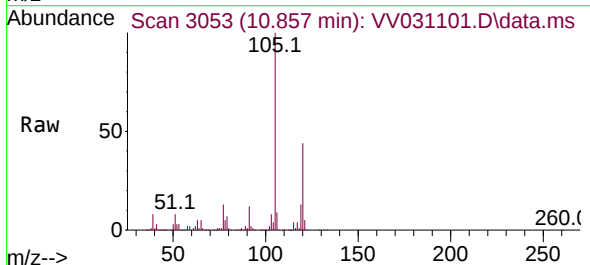
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

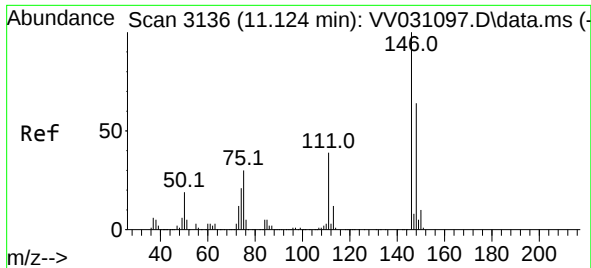
Tgt Ion:105 Resp: 377269
 Ion Ratio Lower Upper
 105 100
 120 48.9 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 53.928 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

Tgt Ion:105 Resp: 371315
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.5 56.3

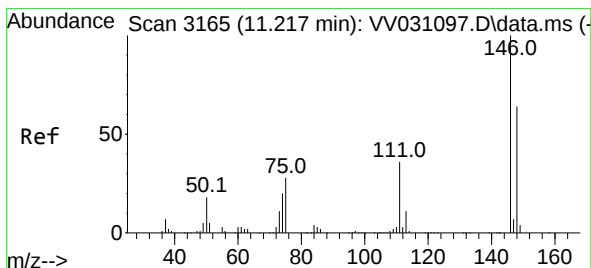
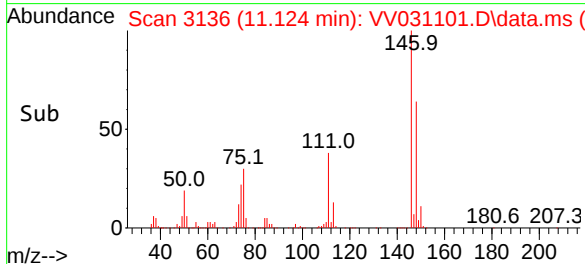
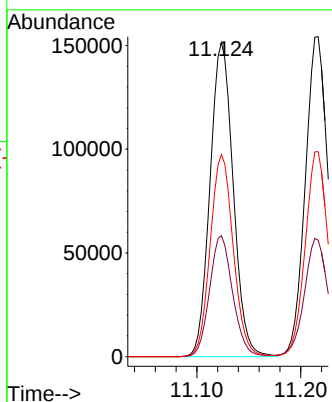
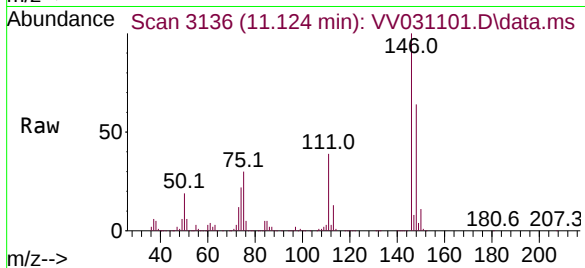




#64
1,3-Dichlorobenzene
Concen: 53.516 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

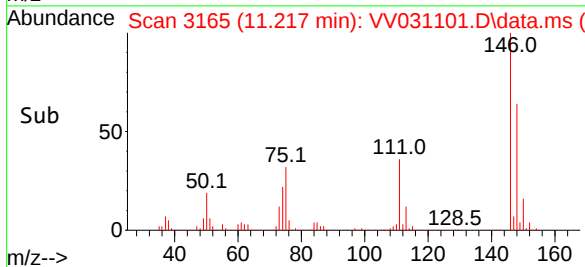
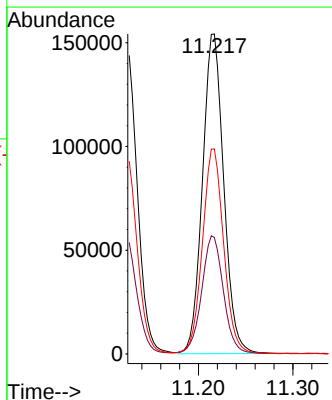
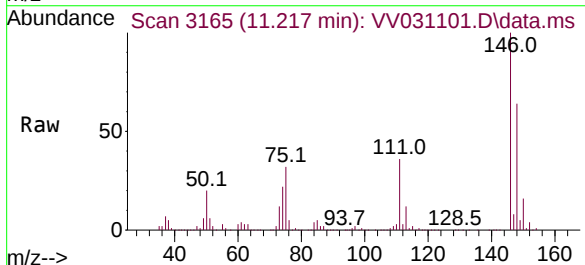
Instrument :
MSVOA_V
ClientSampleId :
VSTD050346

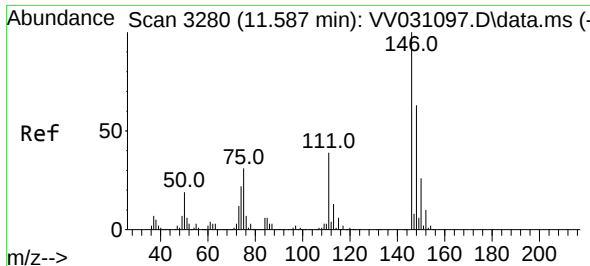
Tgt Ion:146 Resp: 234918
Ion Ratio Lower Upper
146 100
111 38.5 27.2 50.4
148 64.4 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 52.678 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031101.D
Acq: 19 May 2023 12:19

Tgt Ion:146 Resp: 240565
Ion Ratio Lower Upper
146 100
111 36.4 25.5 47.3
148 64.1 44.5 82.7

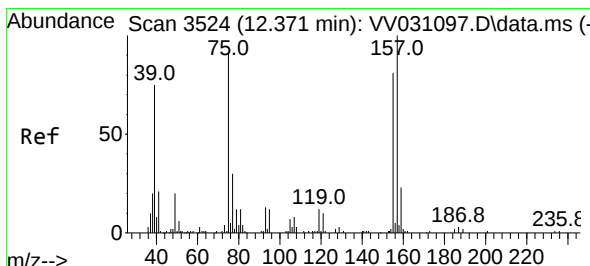
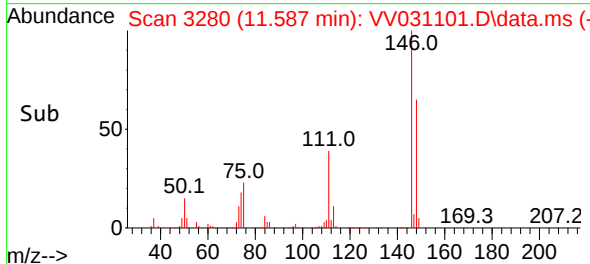
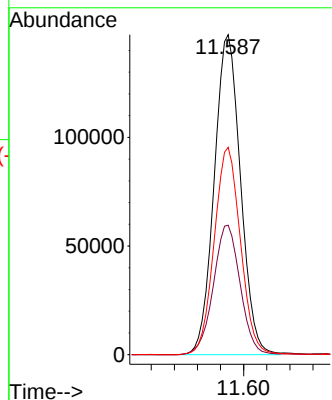
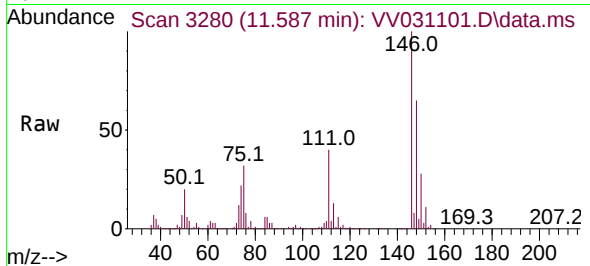




#67
 1,2-Dichlorobenzene
 Concen: 52.320 ug/L
 RT: 11.587 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

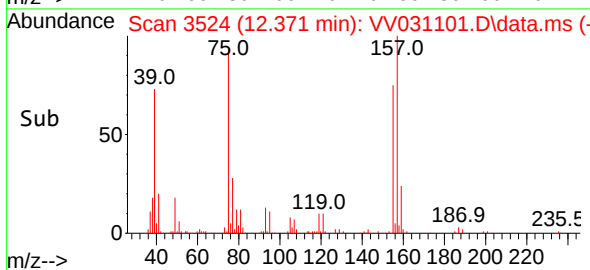
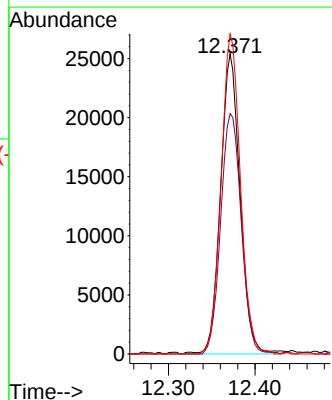
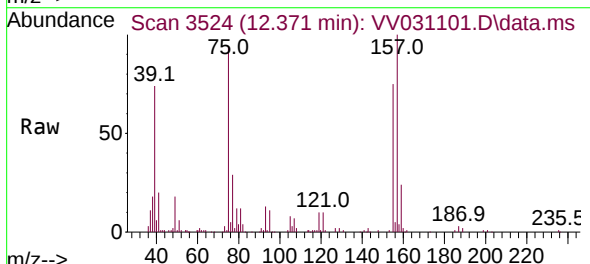
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

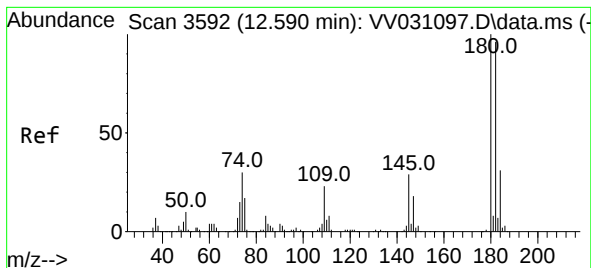
Tgt Ion:146 Resp: 233039
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.4 47.2
 148 64.8 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 52.620 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. -0.000 min
 Lab File: VV031101.D
 Acq: 19 May 2023 12:19

Tgt Ion: 75 Resp: 39805
 Ion Ratio Lower Upper
 75 100
 155 80.0 70.9 106.3
 157 106.6 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 52.941 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

Tgt Ion:180 Resp: 179648

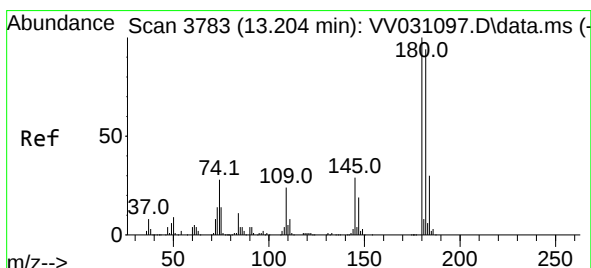
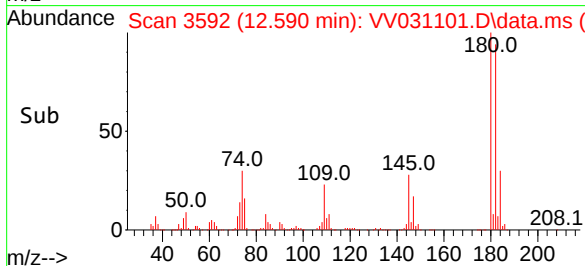
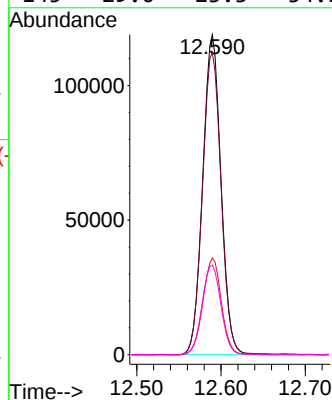
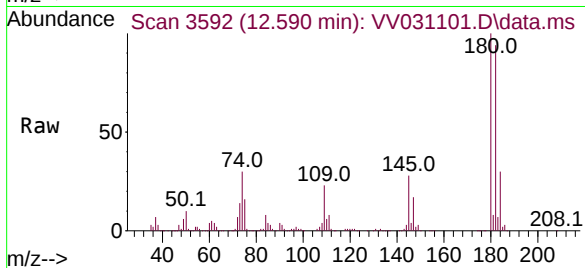
Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

184 30.6 24.6 37.0

145 29.0 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 54.880 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

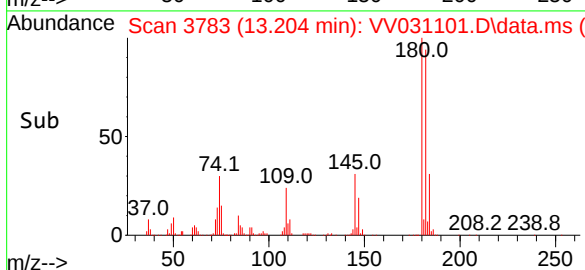
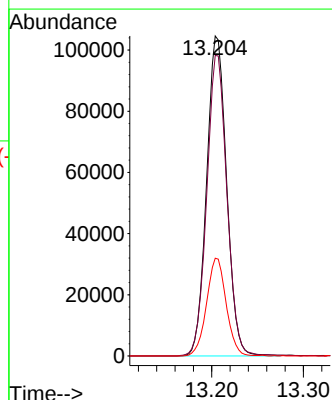
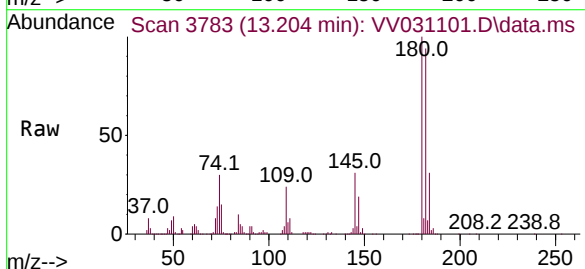
Tgt Ion:180 Resp: 158486

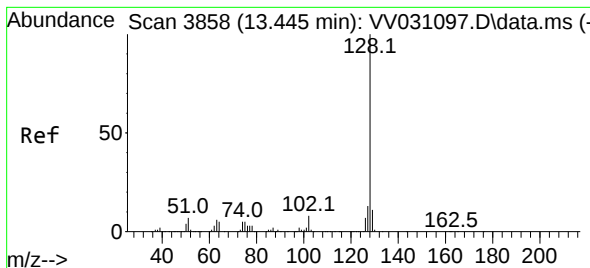
Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 30.0 23.1 34.7





#71

Naphthalene

Concen: 59.344 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050346

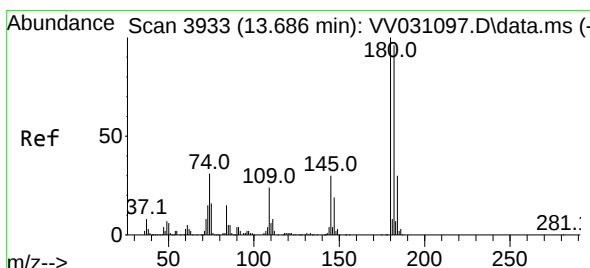
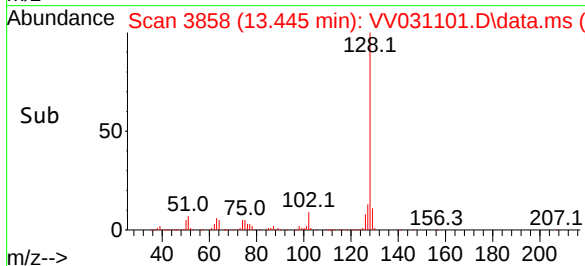
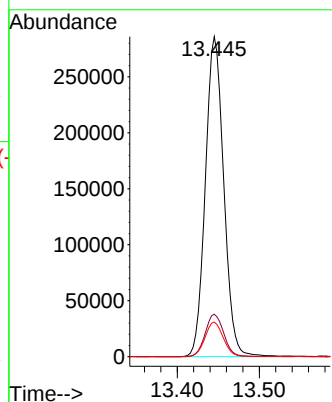
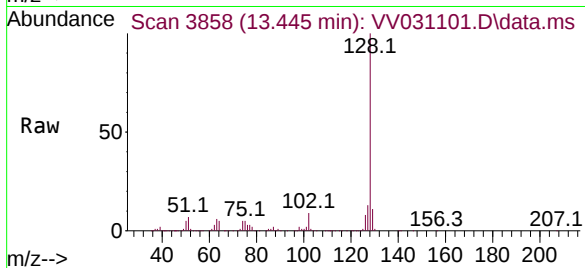
Tgt Ion:128 Resp: 445157

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 55.726 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031101.D

Acq: 19 May 2023 12:19

Tgt Ion:180 Resp: 160814

Ion Ratio Lower Upper

180 100

182 96.7 75.4 113.0

145 31.0 24.2 36.4

