

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021323\
 Data File : VW025330.D
 Acq On : 13 Feb 2023 14:00
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.06g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025537

Quant Time: Feb 13 23:32:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 13 23:31:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	276810	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	246273	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	123642	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48439	18.083	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.320%
7) Chloroethane-d5	2.899	69	45757	19.238	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.960%
11) 1,1-Dichloroethene-d2	4.021	63	166865	22.466	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.880%
21) 2-Butanone-d5	7.075	46	37965	54.597	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.200%
24) Chloroform-d	7.648	84	183507	25.293	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.160%
26) 1,2-Dichloroethane-d4	8.301	65	97881	27.696	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	8.276	84	335680	22.489	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.960%
36) 1,2-Dichloropropane-d6	9.270	67	95704	21.914	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.640%
41) Toluene-d8	10.319	98	309090	23.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	10.575	79	42907	26.293	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.160%
47) 2-Hexanone-d5	10.922	63	30868	63.040	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.080%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76114	25.628	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.520%
66) 1,2-Dichlorobenzene-d4	13.848	152	103930	24.228	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	74090	19.780	ug/L	99
3) Chloromethane	2.222	50	75503	21.000	ug/L	99
5) Vinyl chloride	2.375	62	84123	22.974	ug/L	93
6) Bromomethane	2.789	94	57381	22.887	ug/L	98
8) Chloroethane	2.930	64	54252	23.733	ug/L	96
9) Trichlorofluoromethane	3.265	101	118037	22.411	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	103253	27.035	ug/L	97
12) 1,1-Dichloroethene	4.045	96	100416	26.487	ug/L	90
13) Acetone	4.118	43	35063	45.730	ug/L	96
14) Carbon disulfide	4.393	76	298100	24.061	ug/L	100
15) Methyl Acetate	4.667	43	36837	28.077	ug/L	97
16) Methylene chloride	4.911	84	105527	22.395	ug/L	89
17) trans-1,2-Dichloroethene	5.423	96	108498	26.648	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	160307	27.389	ug/L	98
19) 1,1-Dichloroethane	6.216	63	201161	27.747	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	117106	27.393	ug/L	98
22) 2-Butanone	7.167	43	46223	49.574	ug/L	96
23) Bromochloromethane	7.508	128	50101	28.452	ug/L	94
25) Chloroform	7.673	83	218951	29.361	ug/L	98

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 Response via : Initial Calibration

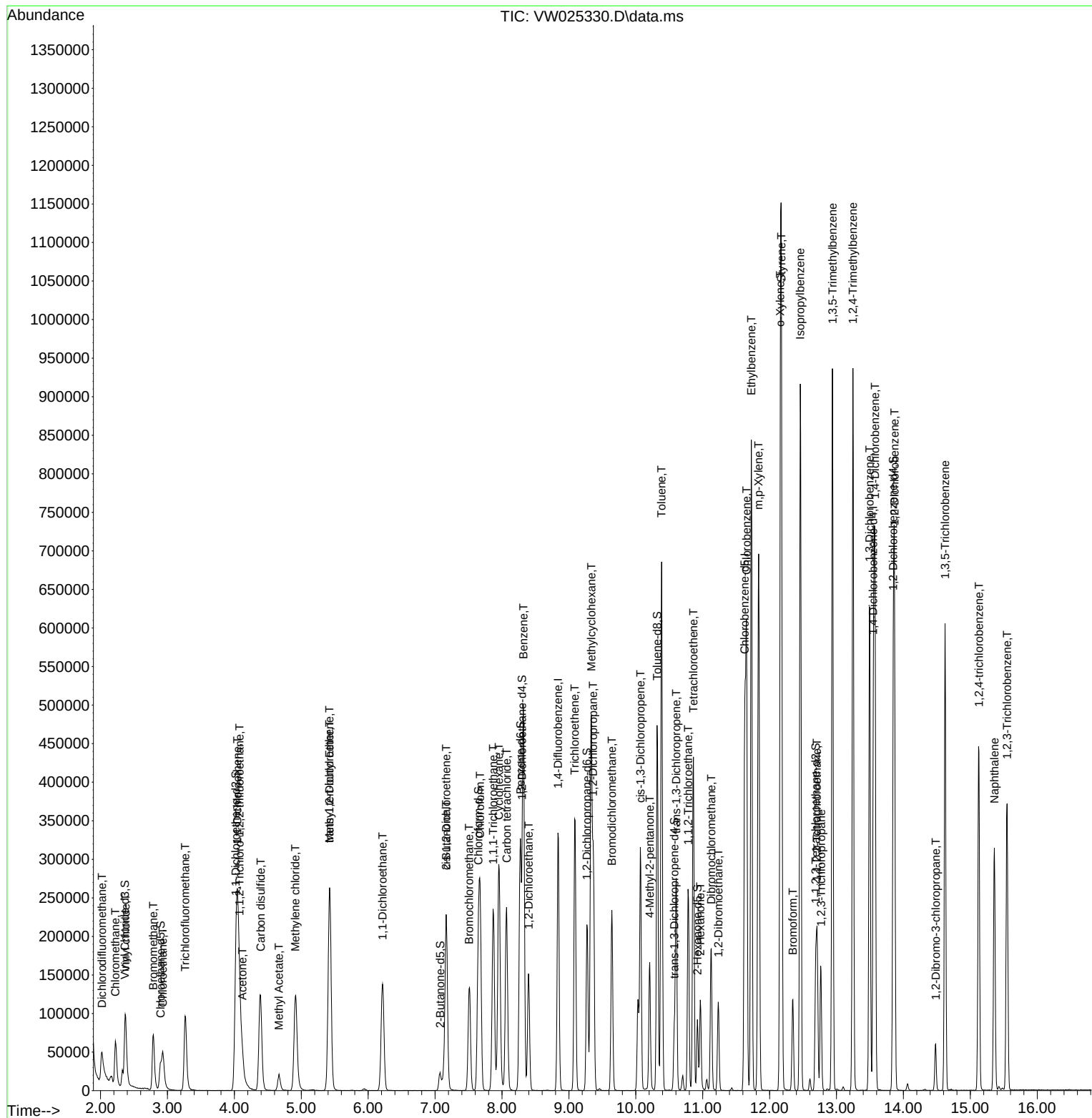
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	144345	31.781	ug/L	97
29) Cyclohexane	7.953	56	167257	23.583	ug/L	96
30) 1,1,1-Trichloroethane	7.868	97	195502	27.987	ug/L	100
31) Carbon tetrachloride	8.069	117	184798	28.602	ug/L	97
33) Benzene	8.319	78	438488	25.729	ug/L	100
34) Trichloroethene	9.087	95	124414	26.062	ug/L	97
35) Methylcyclohexane	9.337	83	203071	23.832	ug/L	99
37) 1,2-Dichloropropane	9.361	63	105890	25.192	ug/L	99
38) Bromodichloromethane	9.642	83	155348	27.795	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	179011	26.010	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	99693	53.717	ug/L	98
42) Toluene	10.386	91	489480	28.882	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	153233	31.235	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	82474	31.133	ug/L	97
46) Tetrachloroethene	10.861	164	90887	29.791	ug/L	93
48) 2-Hexanone	10.965	43	70486	60.160	ug/L	99
49) Dibromochloromethane	11.129	129	94696	31.649	ug/L	99
50) 1,2-Dibromoethane	11.233	107	75463	31.097	ug/L #	95
51) Chlorobenzene	11.654	112	309373	27.738	ug/L	95
52) Ethylbenzene	11.727	91	575139	28.324	ug/L	98
53) m,p-Xylene	11.837	106	219543	28.528	ug/L	98
54) o-Xylene	12.160	106	205312	26.502	ug/L	98
55) Styrene	12.178	104	355010	27.064	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	87401	27.690	ug/L	99
59) Bromoform	12.349	173	52409	29.876	ug/L	98
60) Isopropylbenzene	12.458	105	582095	27.799	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	66574	30.283	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	493921	29.259	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	489399	28.934	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	246357	28.397	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	245642	28.694	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	213106	28.505	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	15842	30.854	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	166956	29.593	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	136483	29.710	ug/L	99
71) Naphthalene	15.360	128	266438	31.727	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	116515	29.540	ug/L	98

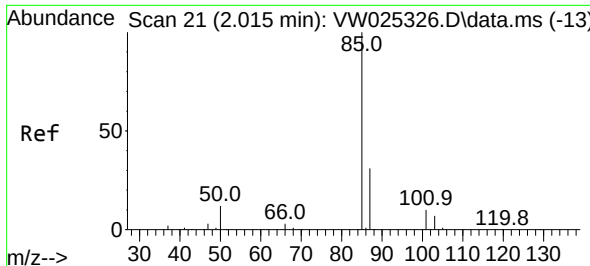
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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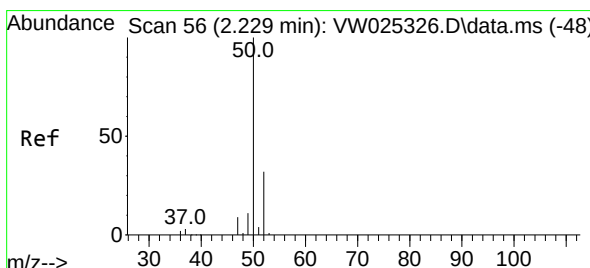
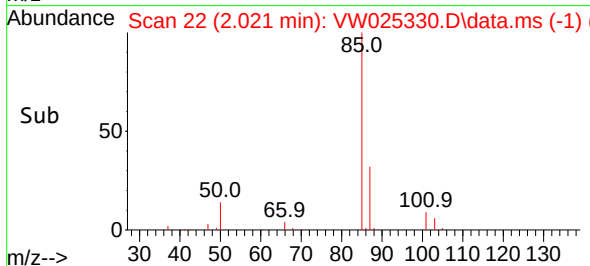
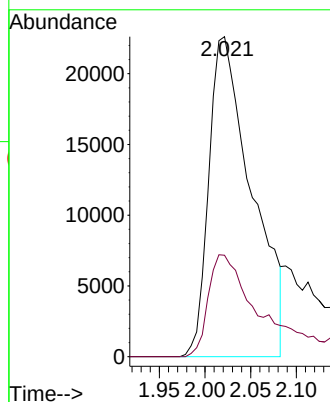
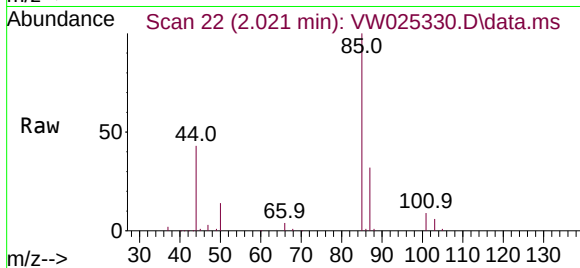




#2
 Dichlorodifluoromethane
 Concen: 19.780 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

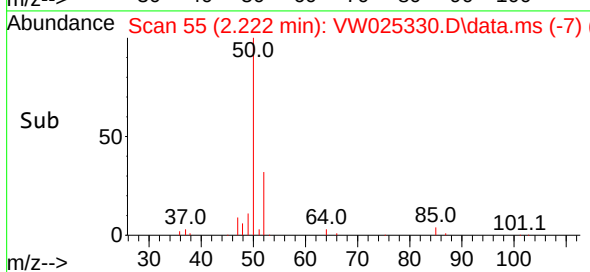
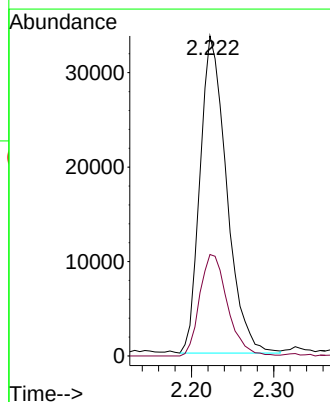
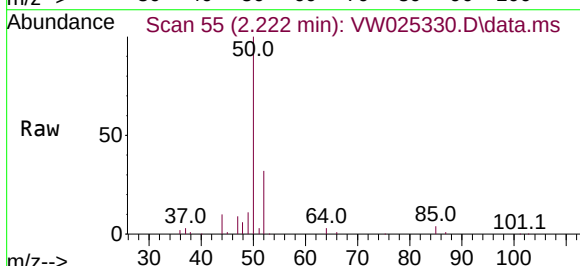
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 MSVOA_W
 ClientSampleId :
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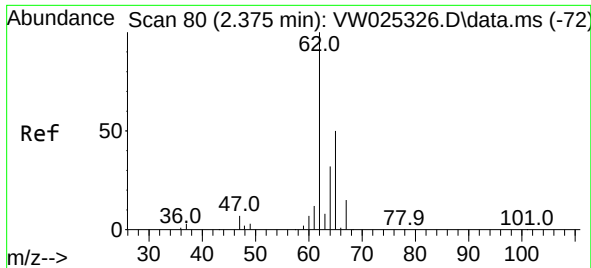
Tgt Ion: 85 Resp: 74090
 Ion Ratio Lower Upper
 85 100
 87 28.5 23.3 34.9



#3
 Chloromethane
 Concen: 21.000 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

Tgt Ion: 50 Resp: 75503
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.0 40.8

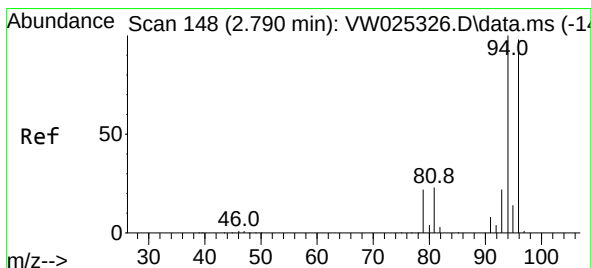
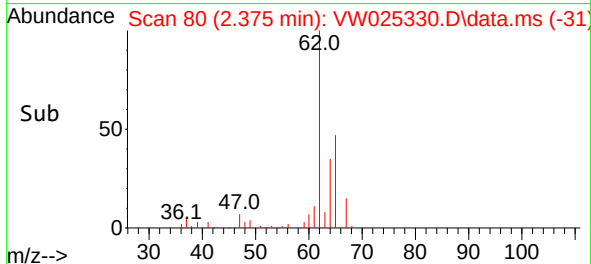
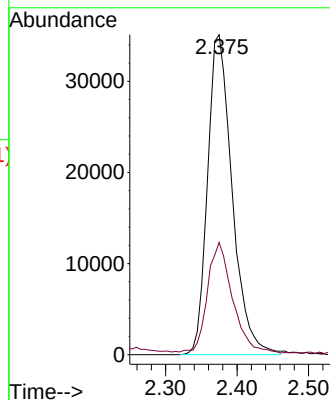
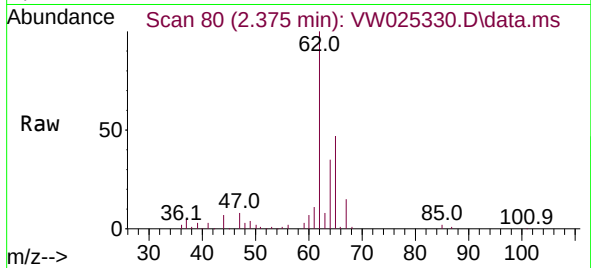




#5
 Vinyl chloride
 Concen: 22.974 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

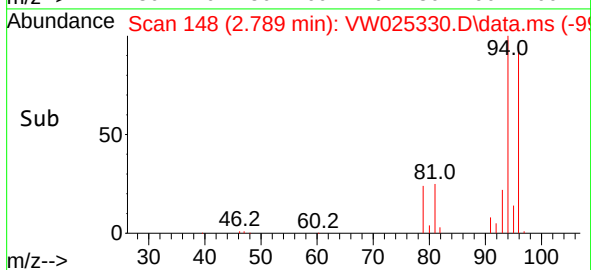
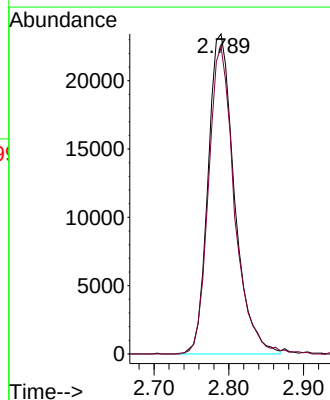
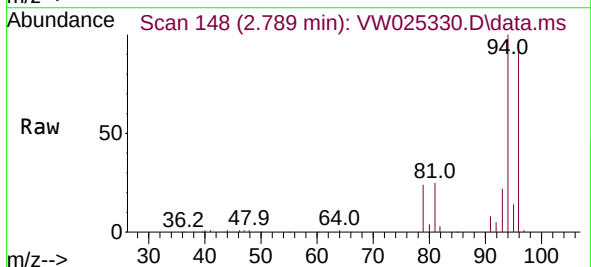
Instrument :
 MSVOA_W
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 VSTD025537

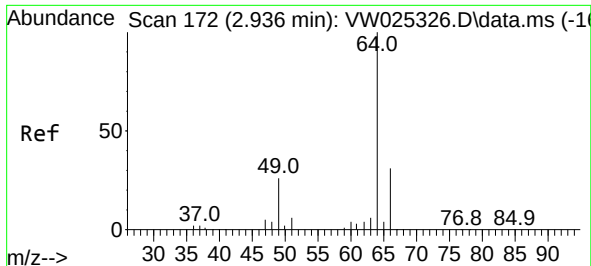
Tgt Ion: 62 Resp: 84123
 Ion Ratio Lower Upper
 62 100
 64 35.1 21.8 40.6



#6
 Bromomethane
 Concen: 22.887 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

Tgt Ion: 94 Resp: 57381
 Ion Ratio Lower Upper
 94 100
 96 96.2 66.3 123.1

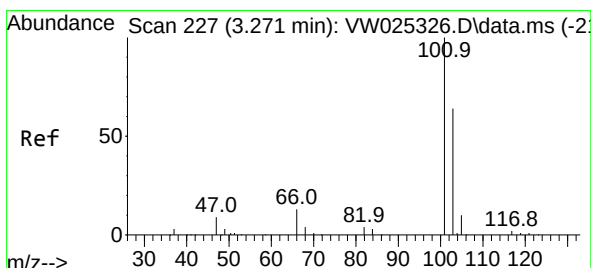
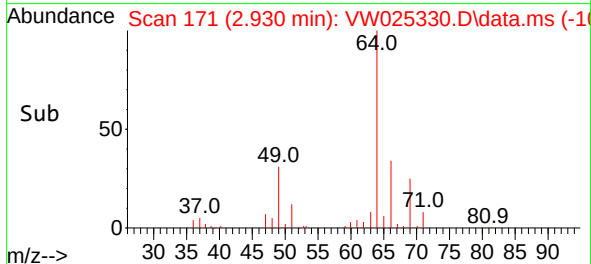
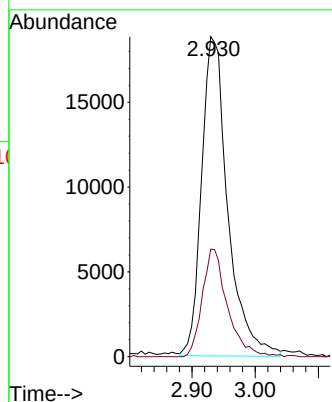
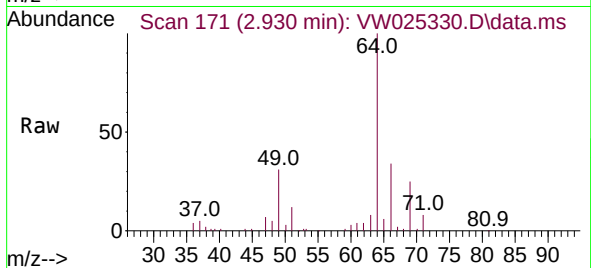




#8
Chloroethane
Concen: 23.733 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

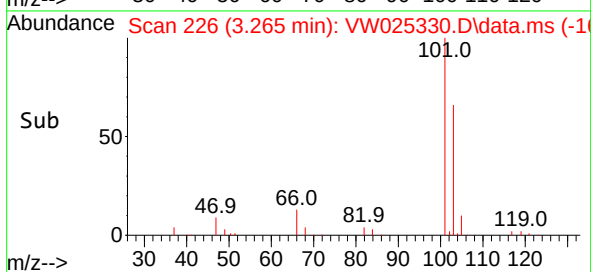
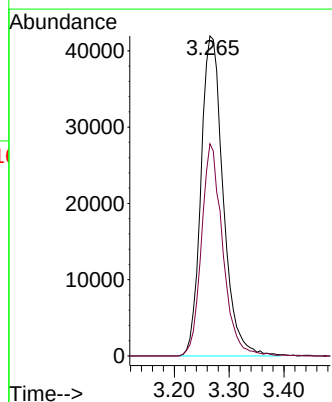
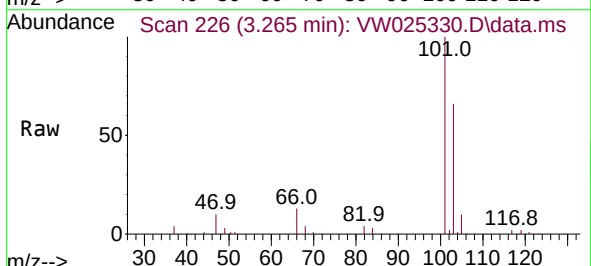
Instrument :
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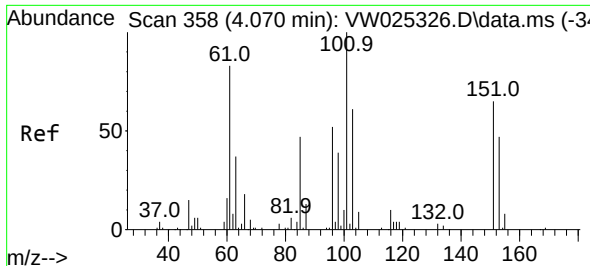
Tgt Ion: 64 Resp: 54252
Ion Ratio Lower Upper
64 100
66 33.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 22.411 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion:101 Resp: 118037
Ion Ratio Lower Upper
101 100
103 63.2 52.4 78.6

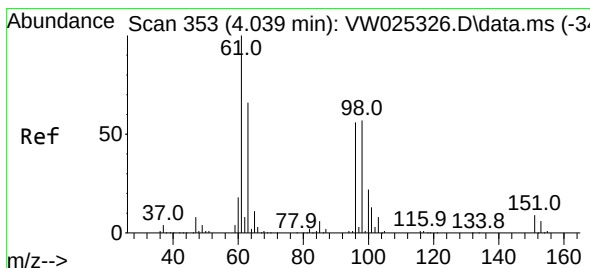
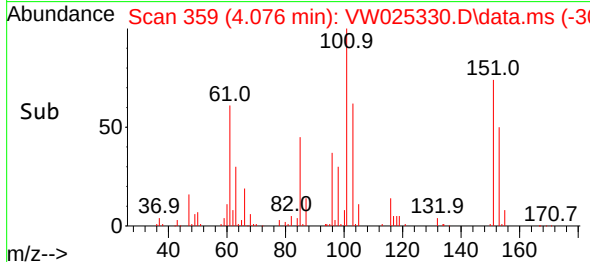
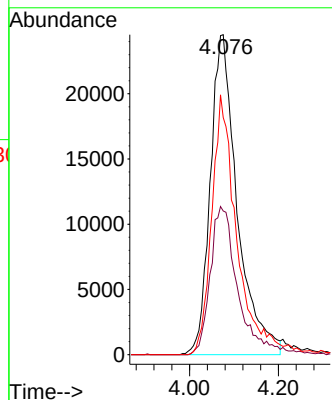
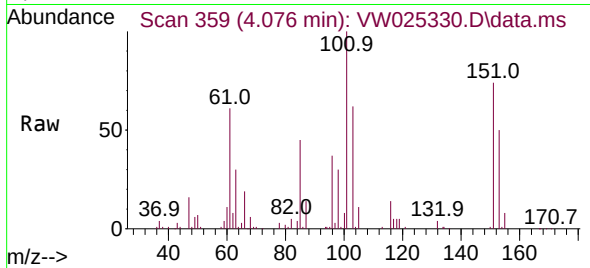




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.035 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

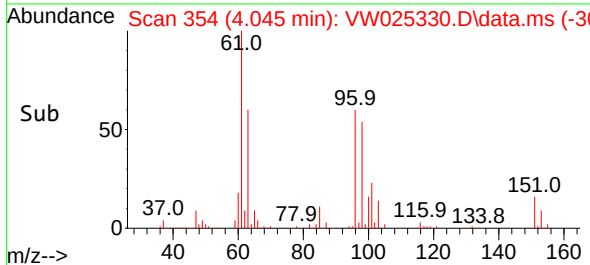
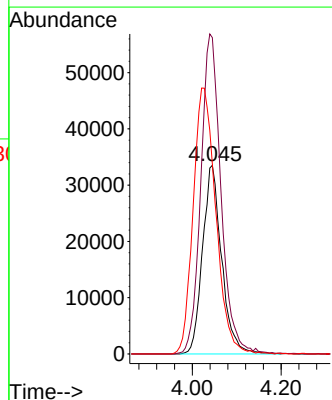
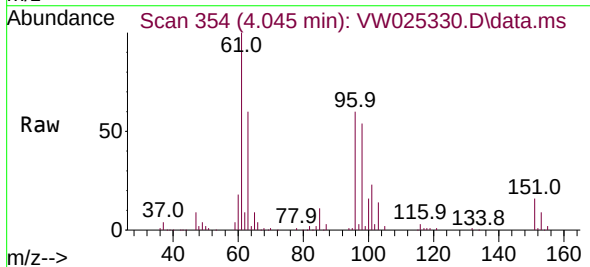
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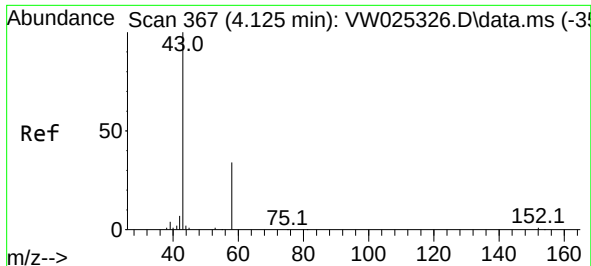
Tgt Ion:101 Resp: 103253
 Ion Ratio Lower Upper
 101 100
 85 42.0 32.8 49.2
 151 71.3 54.7 82.1



#12
 1,1-Dichloroethene
 Concen: 26.487 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

Tgt Ion: 96 Resp: 100416
 Ion Ratio Lower Upper
 96 100
 61 167.8 120.8 224.4
 63 100.7 85.7 159.1





#13

Acetone

Concen: 45.730 ug/L

RT: 4.118 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

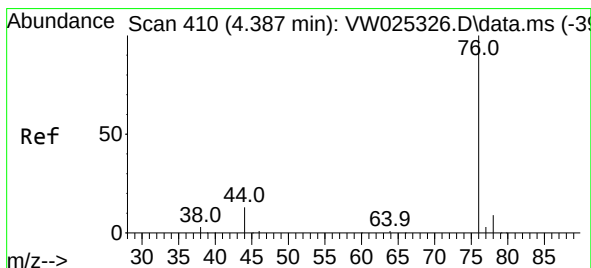
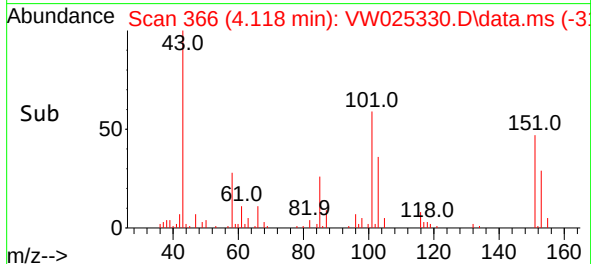
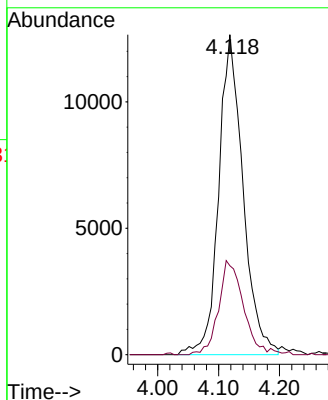
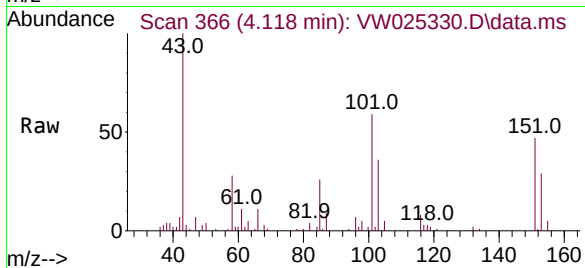
VSTD025537

Tgt Ion: 43 Resp: 35063

Ion Ratio Lower Upper

43 100

58 29.2 0.0 63.0



#14

Carbon disulfide

Concen: 24.061 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW025330.D

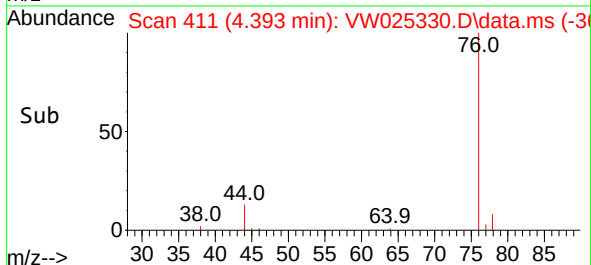
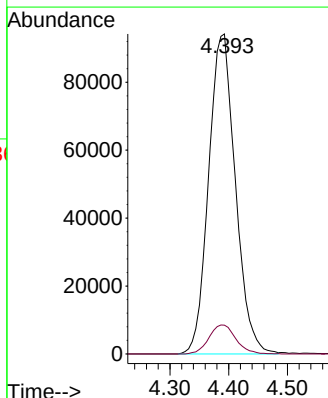
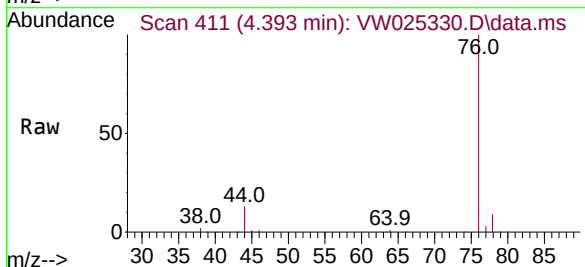
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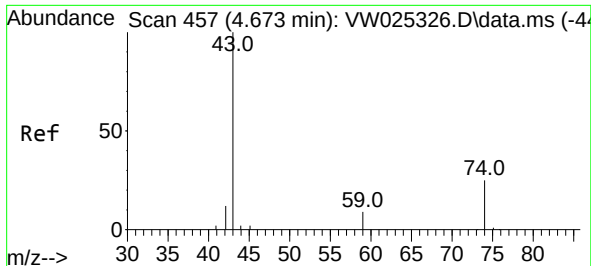
Tgt Ion: 76 Resp: 298100

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

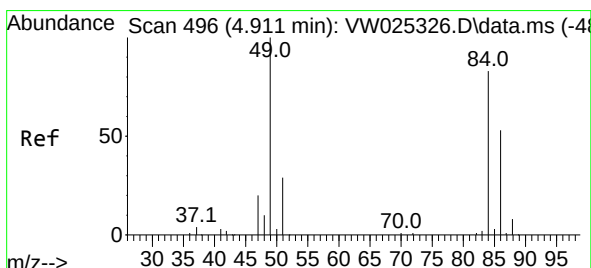
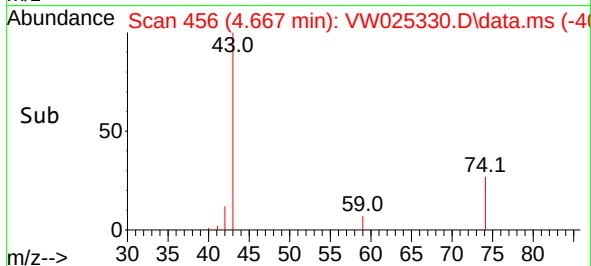
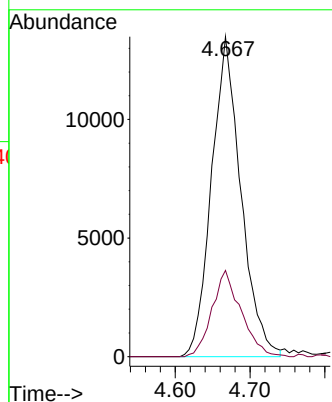
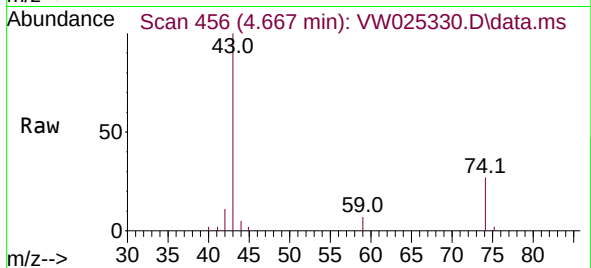




#15
Methyl Acetate
Concen: 28.077 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

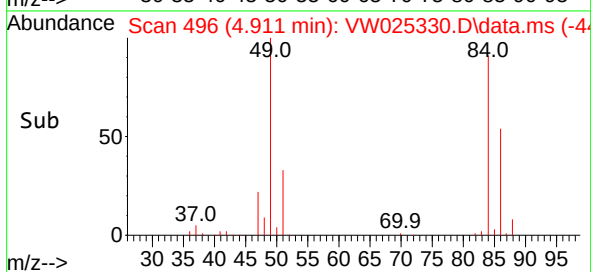
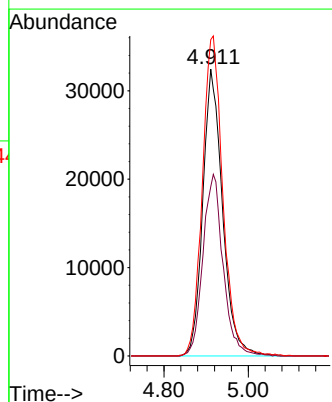
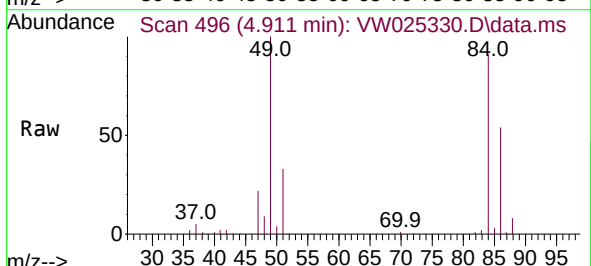
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

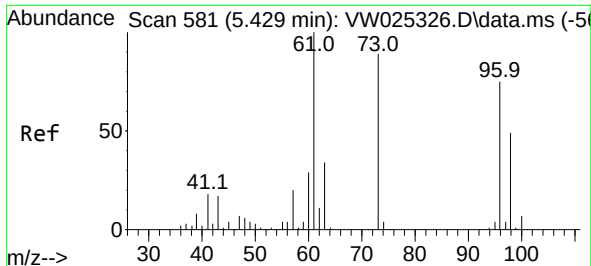
Tgt Ion: 43 Resp: 36837
Ion Ratio Lower Upper
43 100
74 26.8 20.2 30.2



#16
Methylene chloride
Concen: 22.395 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 84 Resp: 105527
Ion Ratio Lower Upper
84 100
86 59.0 47.2 87.6
49 110.3 86.5 160.7





#17

trans-1,2-Dichloroethene

Concen: 26.648 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

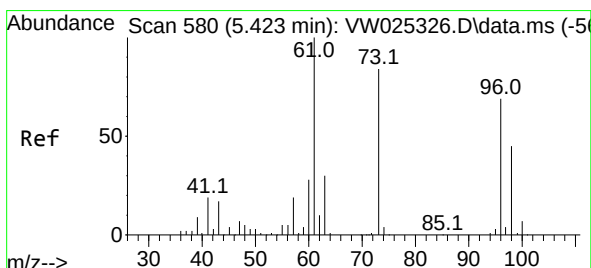
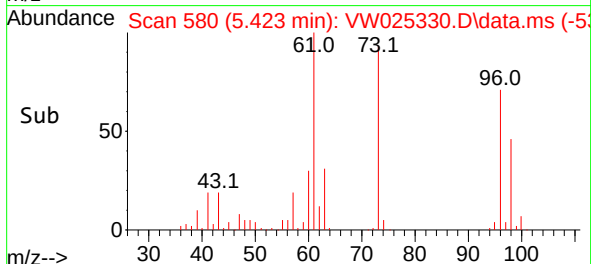
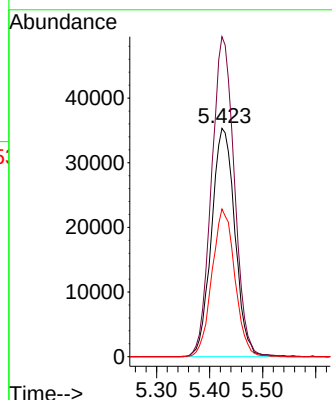
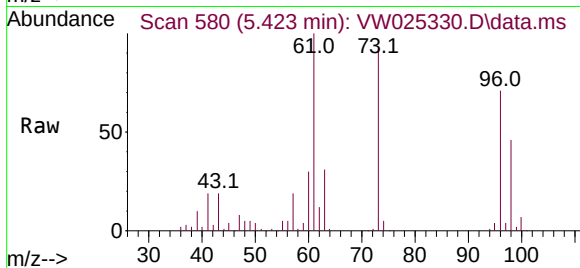
Tgt Ion: 96 Resp: 108498

Ion Ratio Lower Upper

96 100

61 140.1 98.4 182.8

98 64.7 43.5 80.9



#18

Methyl tert-butyl Ether

Concen: 27.389 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

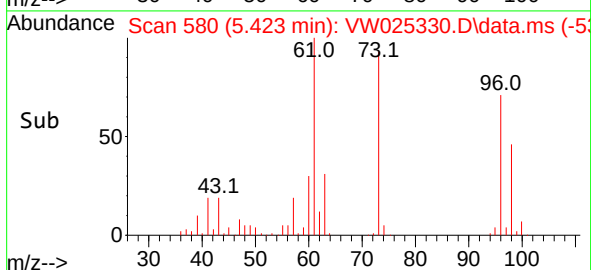
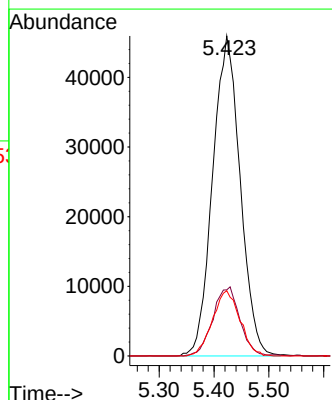
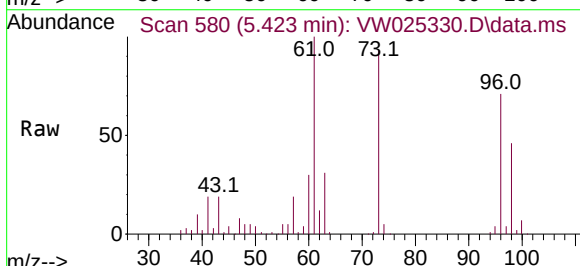
Tgt Ion: 73 Resp: 160307

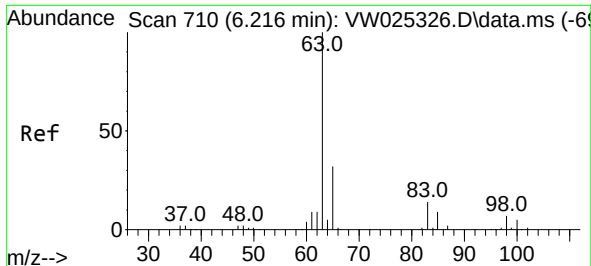
Ion Ratio Lower Upper

73 100

43 21.0 15.8 23.6

57 20.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 27.747 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

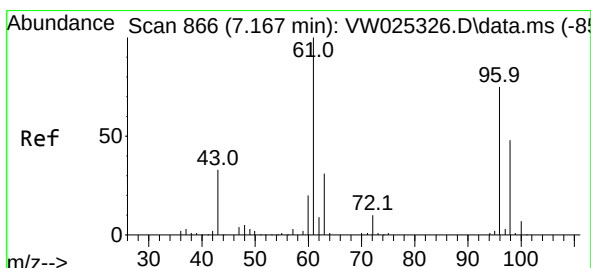
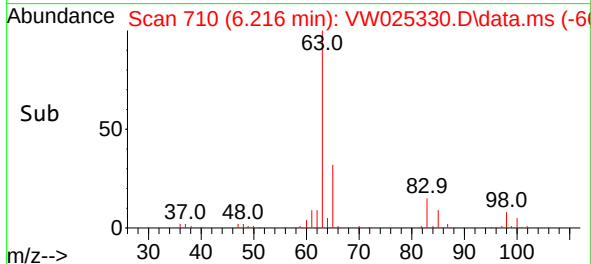
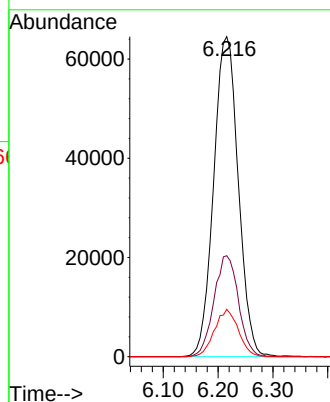
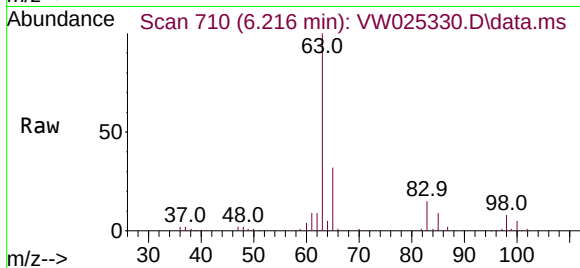
Tgt Ion: 63 Resp: 201161

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

83 14.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 27.393 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

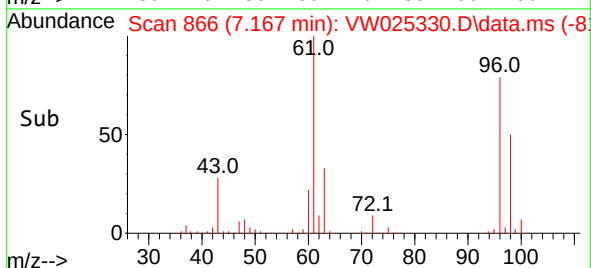
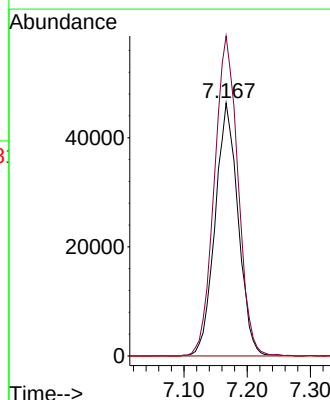
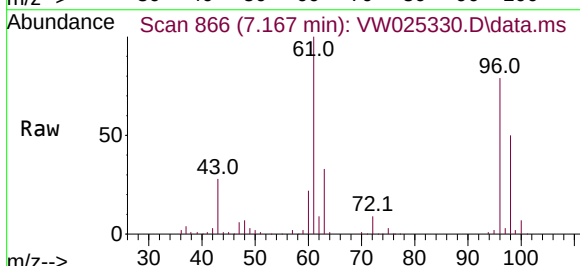
Tgt Ion: 96 Resp: 117106

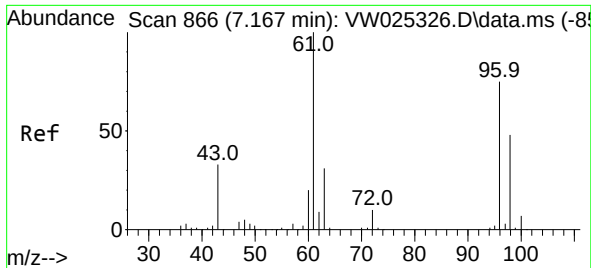
Ion Ratio Lower Upper

96 100

61 126.5 87.2 162.0

68 0.0 0.0 0.0

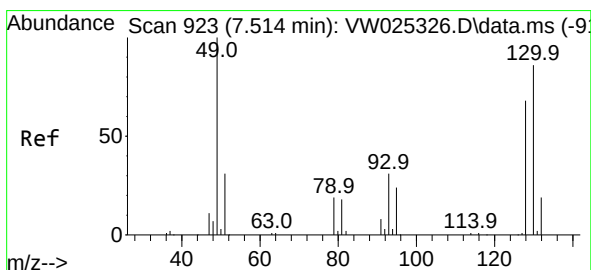
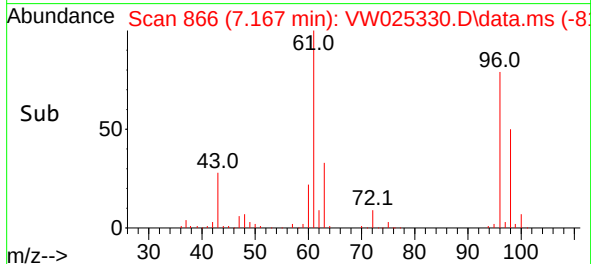
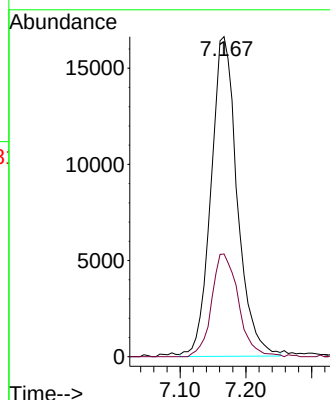
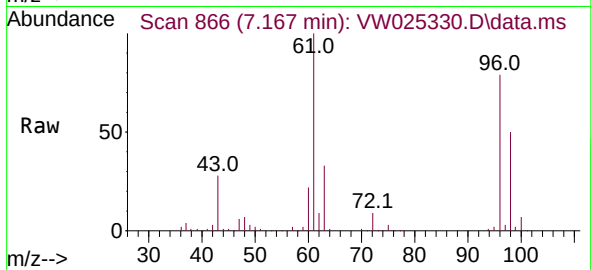




#22
2-Butanone
Concen: 49.574 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

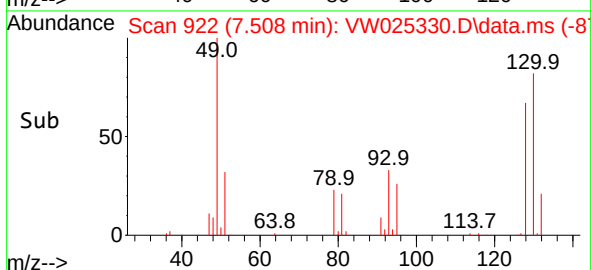
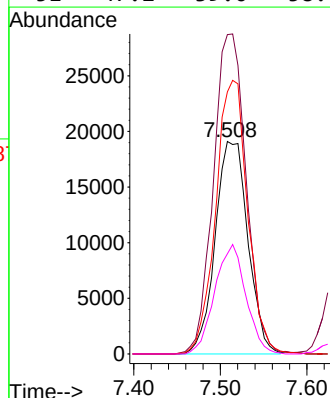
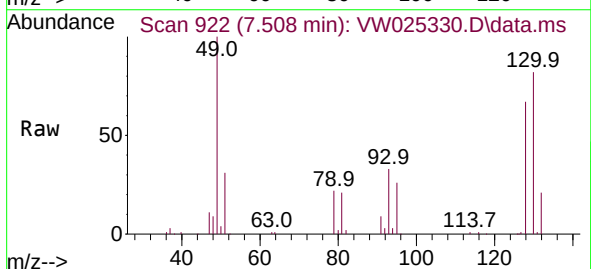
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

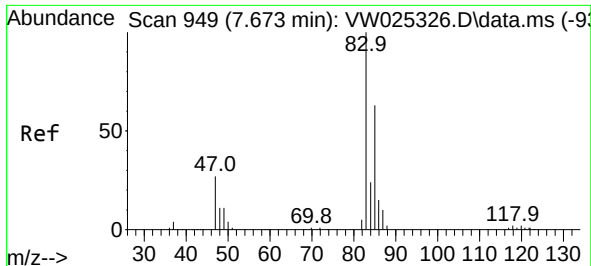
Tgt Ion: 43 Resp: 46223
Ion Ratio Lower Upper
43 100
72 32.8 15.2 45.6



#23
Bromochloromethane
Concen: 28.452 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 128 Resp: 50101
Ion Ratio Lower Upper
128 100
49 150.3 109.0 202.4
130 123.4 93.3 173.3
51 47.2 39.0 58.4





#25

Chloroform

Concen: 29.361 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

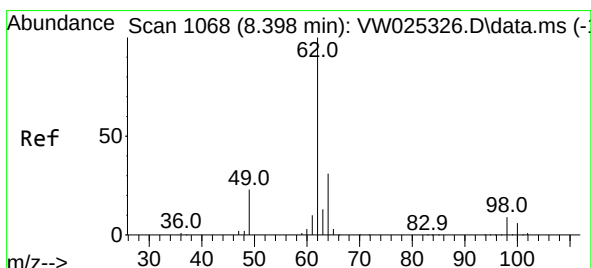
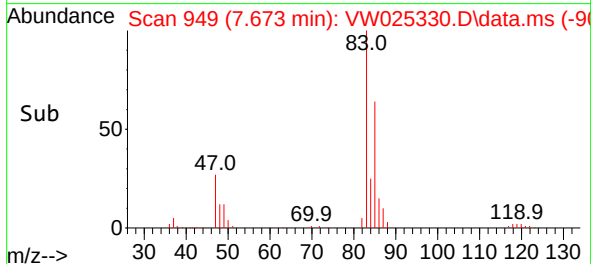
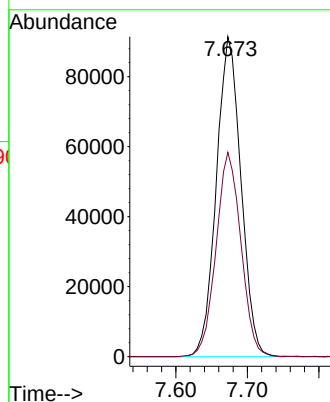
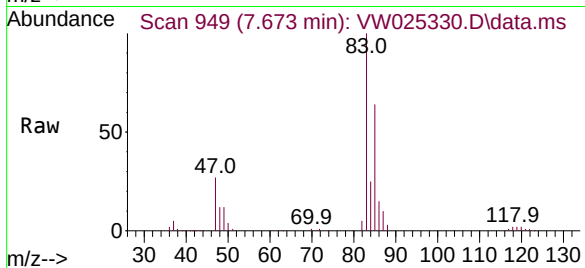
VSTD025537

Tgt Ion: 83 Resp: 218951

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 31.781 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW025330.D

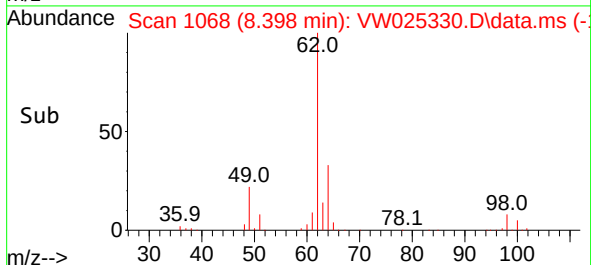
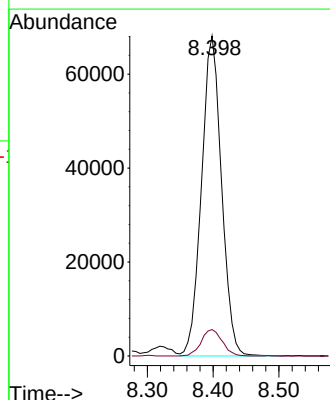
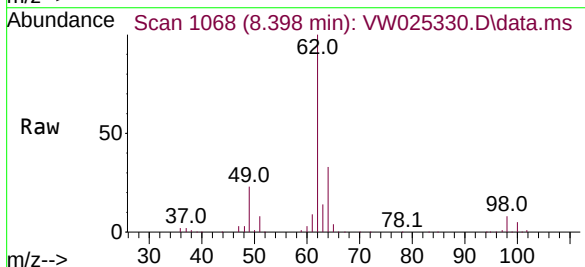
Acq: 13 Feb 2023 14:00

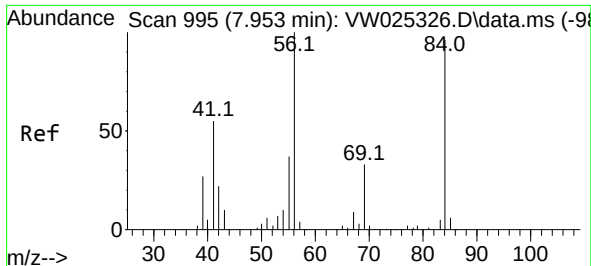
Tgt Ion: 62 Resp: 144345

Ion Ratio Lower Upper

62 100

98 8.2 7.4 11.0

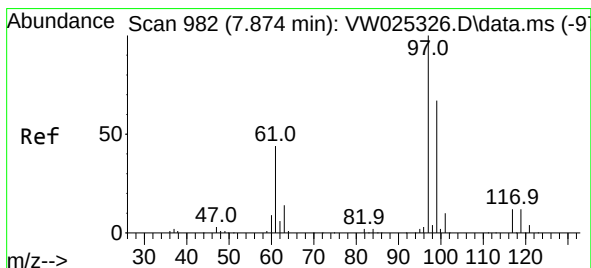
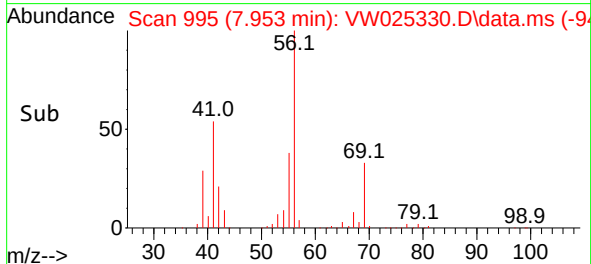
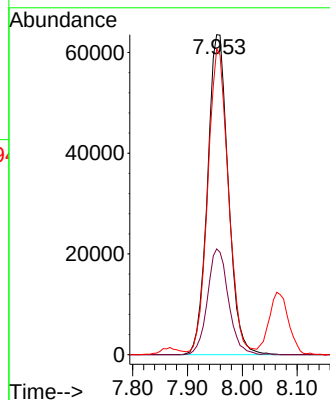
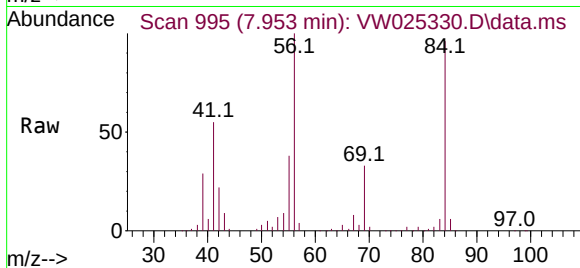




#29
Cyclohexane
Concen: 23.583 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

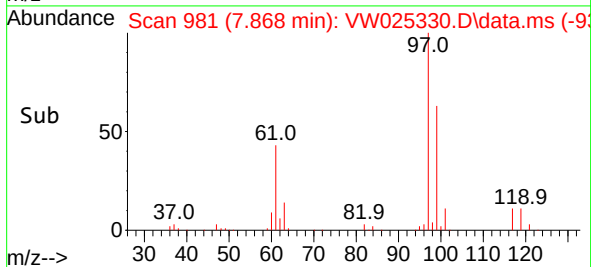
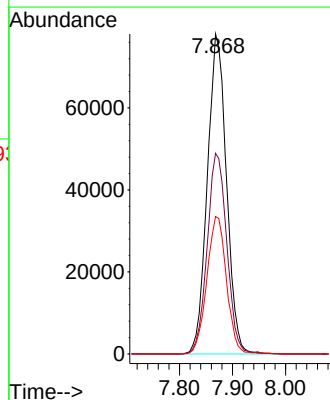
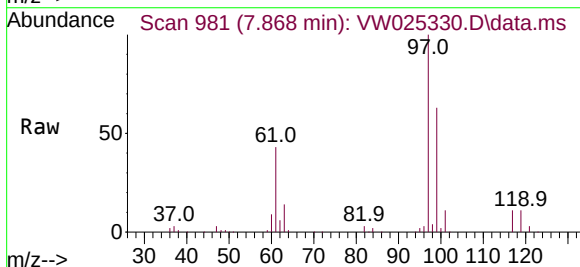
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

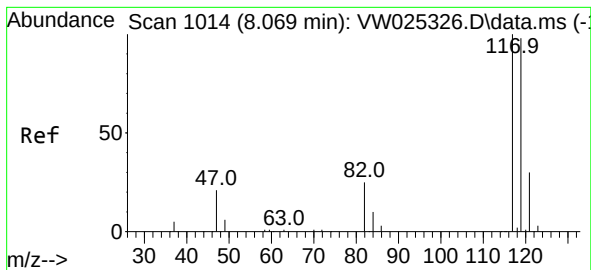
Tgt Ion: 56 Resp: 167257
Ion Ratio Lower Upper
56 100
69 33.3 25.1 37.7
84 95.2 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 27.987 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 97 Resp: 195502
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 43.9 35.0 52.6

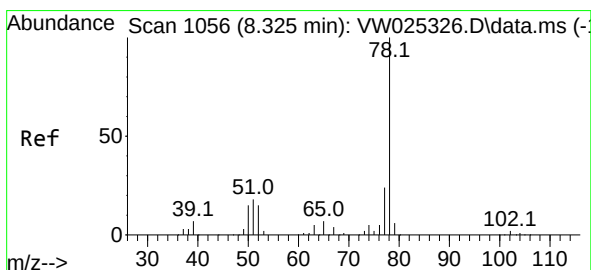
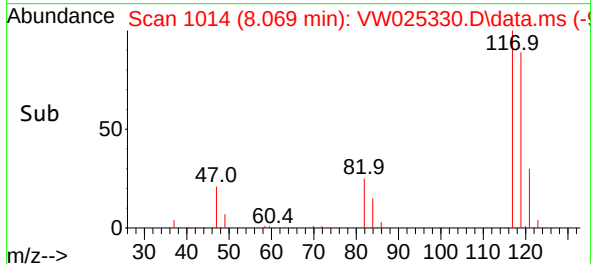
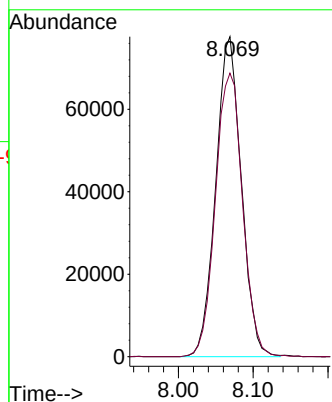
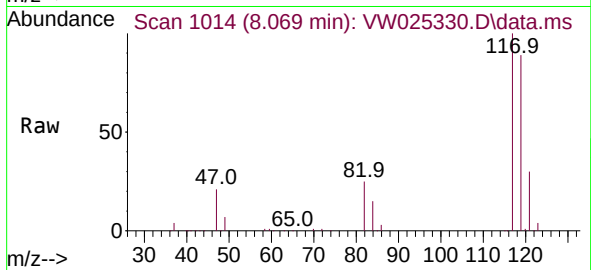




#31
Carbon tetrachloride
Concen: 28.602 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

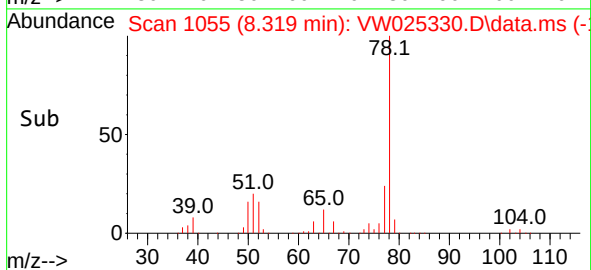
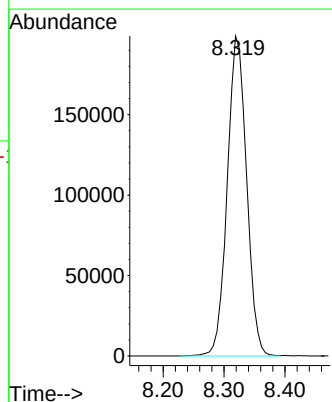
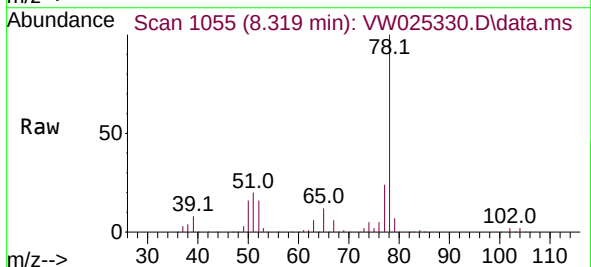
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

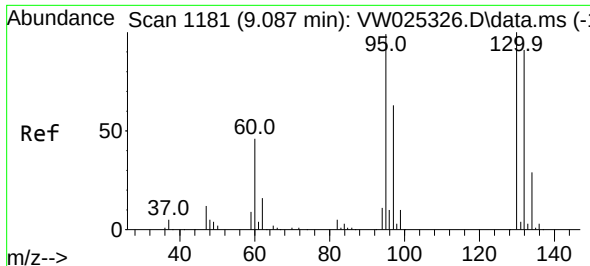
Tgt Ion:117 Resp: 184798
Ion Ratio Lower Upper
117 100
119 94.3 77.6 116.4



#33
Benzene
Concen: 25.729 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 78 Resp: 438488



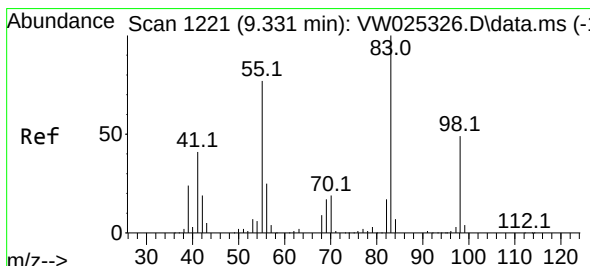
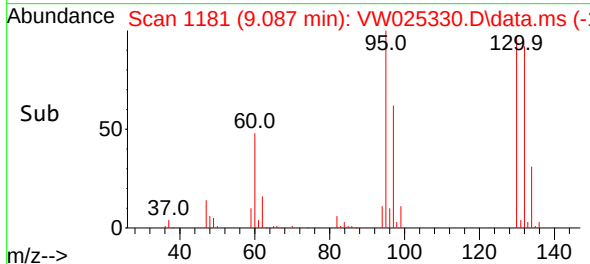
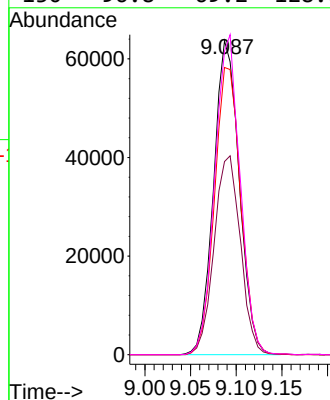
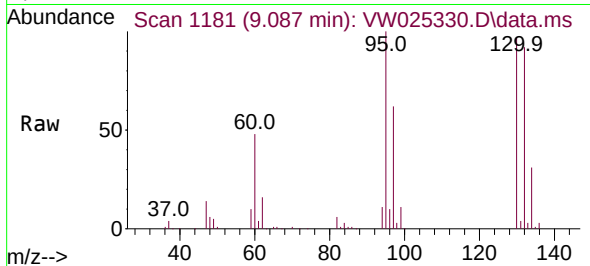


#34
Trichloroethene
Concen: 26.062 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

Tgt Ion: 95 Resp: 124414

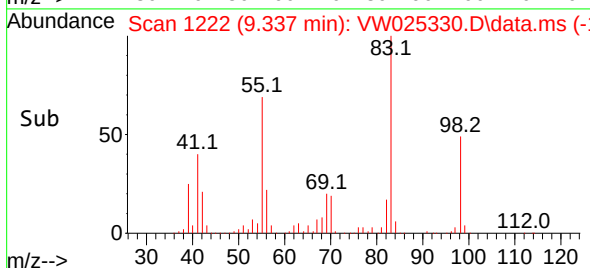
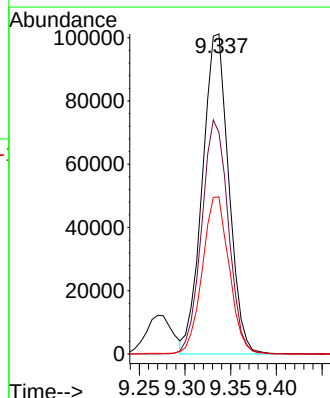
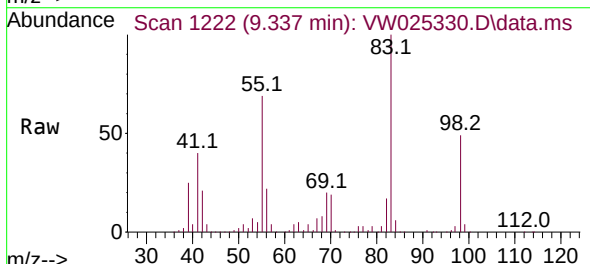
Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.4	84.2
132	91.5	67.1	124.5
130	96.8	69.2	128.6

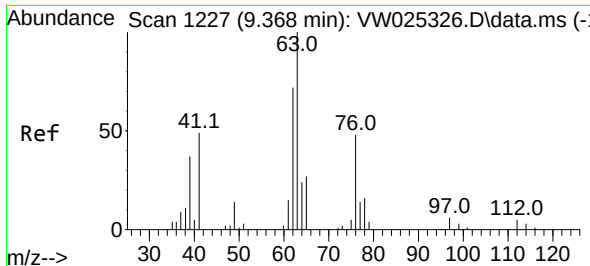


#35
Methylcyclohexane
Concen: 23.832 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 83 Resp: 203071

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.8	88.2
98	50.0	39.5	59.3





#37

1,2-Dichloropropane

Concen: 25.192 ug/L

RT: 9.361 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

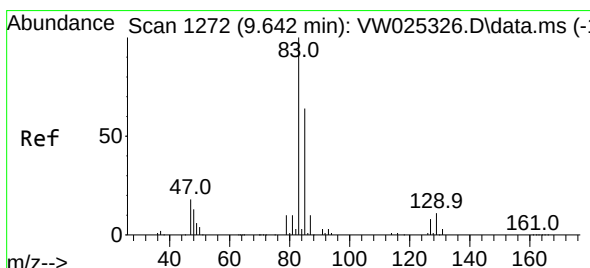
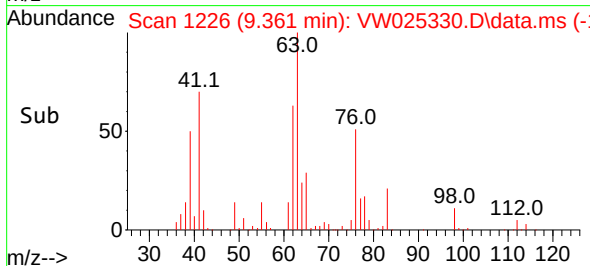
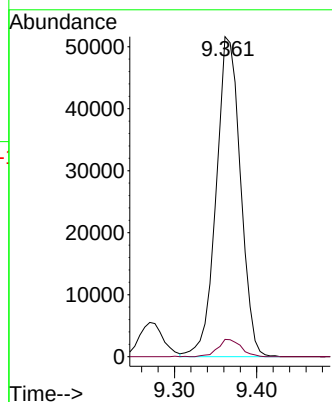
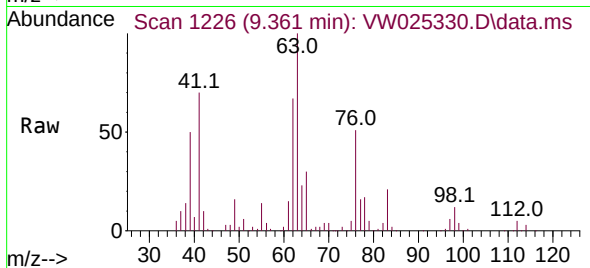
VSTD025537

Tgt Ion: 63 Resp: 105890

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 27.795 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

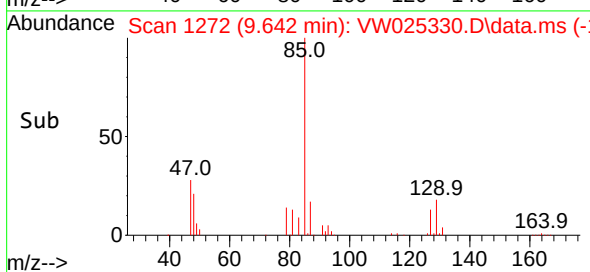
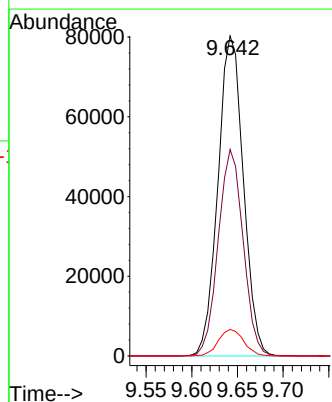
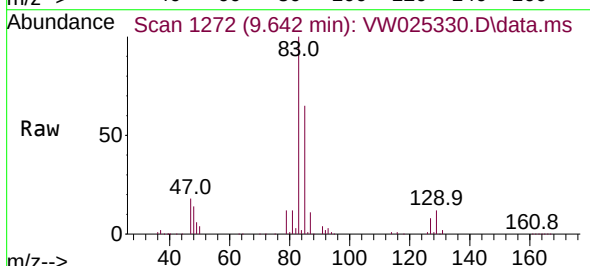
Tgt Ion: 83 Resp: 155348

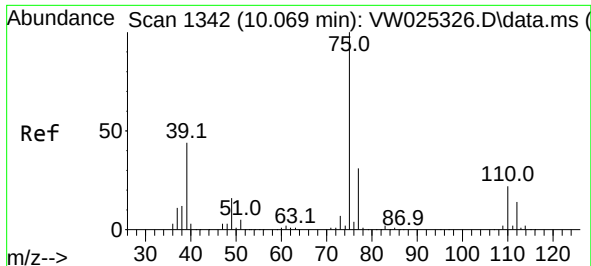
Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.4

127 8.3 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 26.010 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

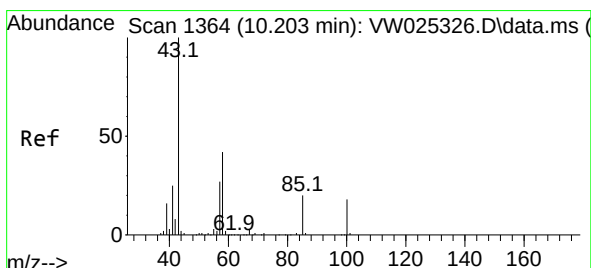
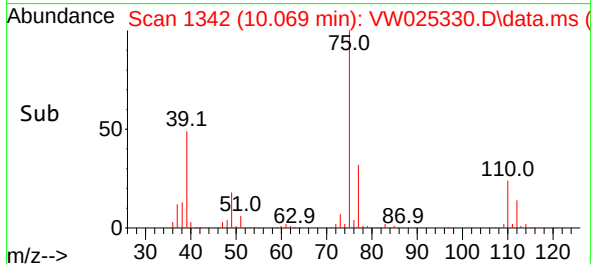
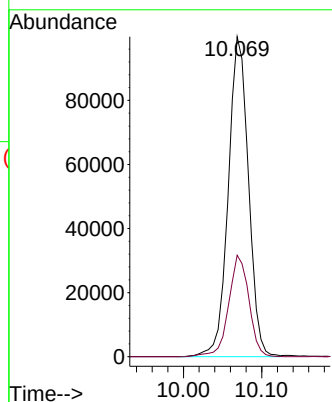
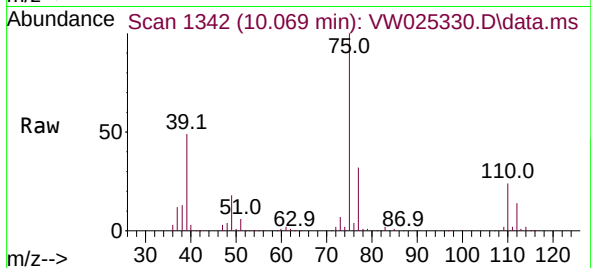
VSTD025537

Tgt Ion: 75 Resp: 179011

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.717 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

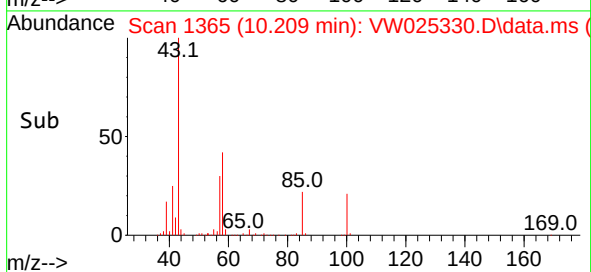
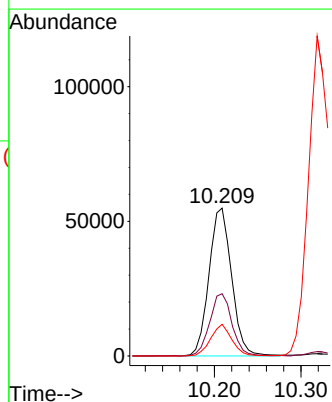
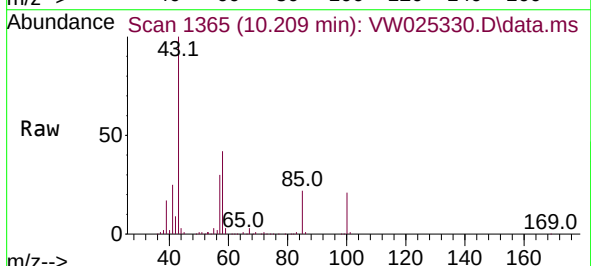
Tgt Ion: 43 Resp: 99693

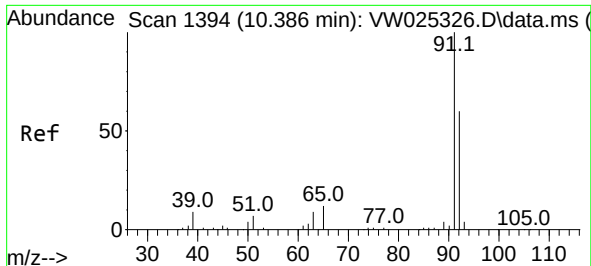
Ion Ratio Lower Upper

43 100

58 41.5 34.1 51.1

100 19.9 14.5 21.7

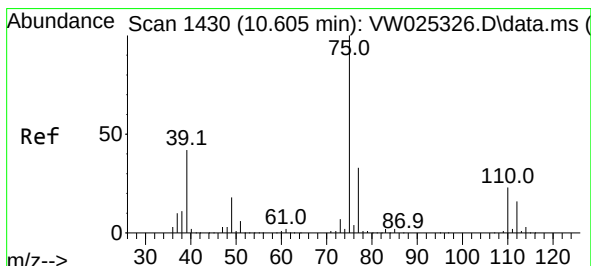
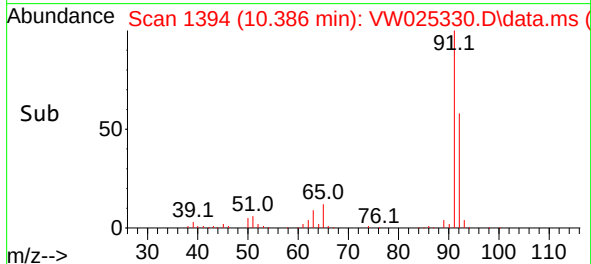
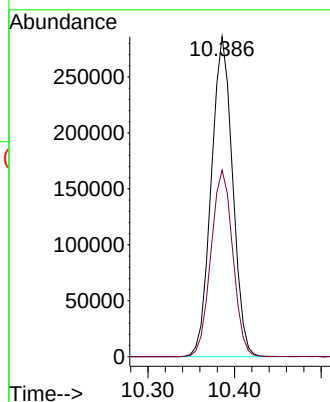
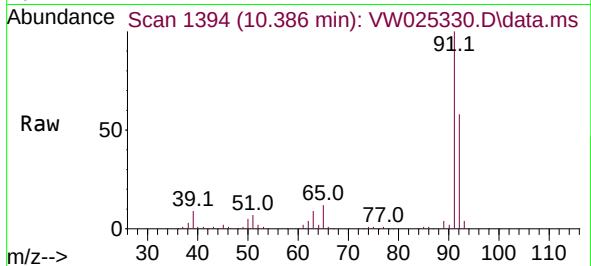




#42
Toluene
Concen: 28.882 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

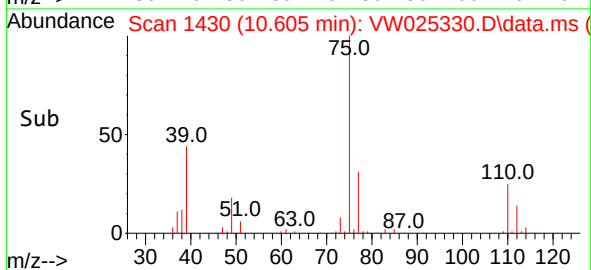
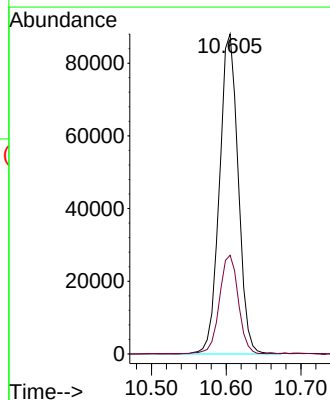
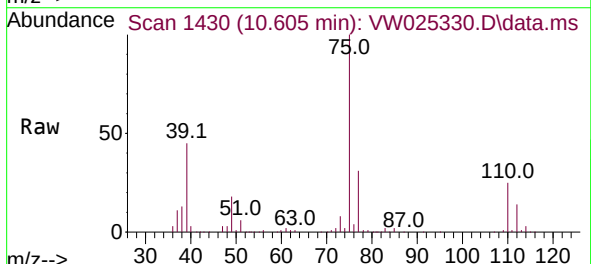
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

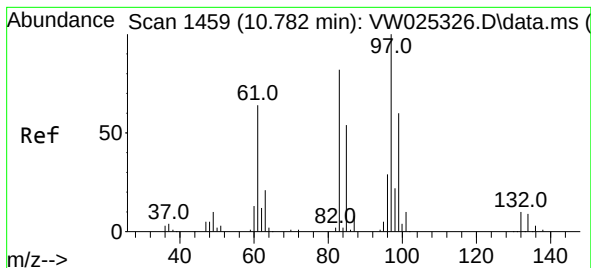
Tgt Ion: 91 Resp: 489480
Ion Ratio Lower Upper
91 100
92 58.3 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 31.235 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 75 Resp: 153233
Ion Ratio Lower Upper
75 100
77 30.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 31.133 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

Tgt Ion: 97 Resp: 82474

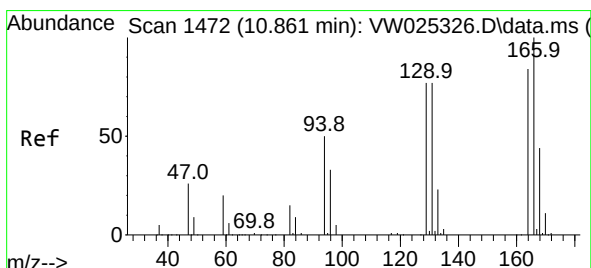
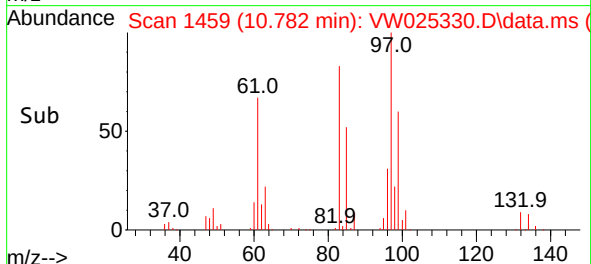
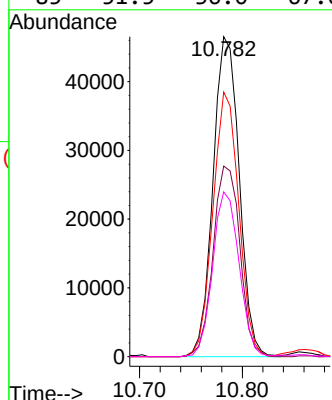
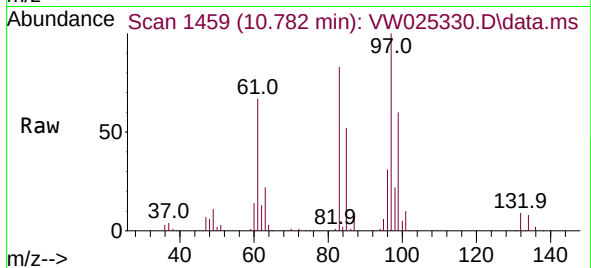
Ion Ratio Lower Upper

97 100

99 59.5 41.4 76.8

83 82.7 54.0 100.4

85 51.5 36.0 67.0



#46

Tetrachloroethene

Concen: 29.791 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Tgt Ion:164 Resp: 90887

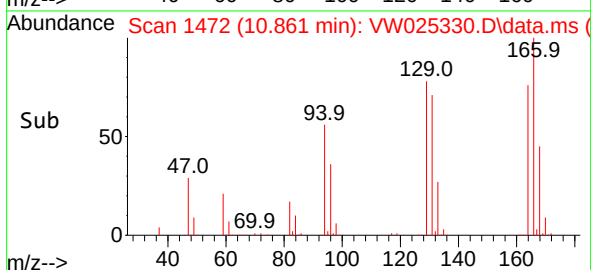
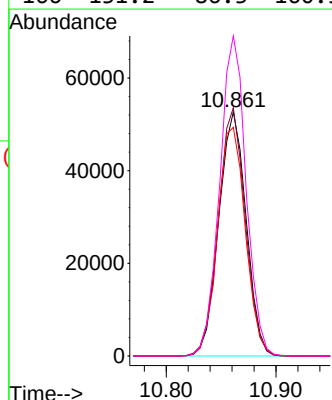
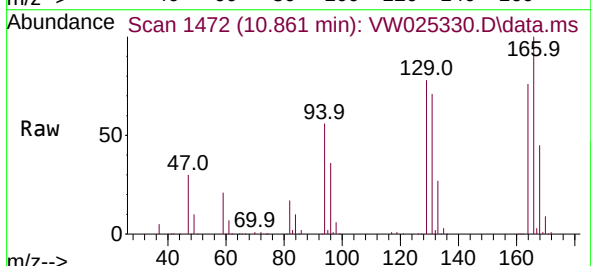
Ion Ratio Lower Upper

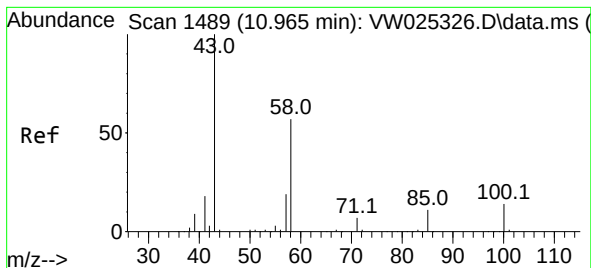
164 100

129 101.7 74.1 137.5

131 93.7 72.3 134.3

166 131.2 86.3 160.3





#48

2-Hexanone

Concen: 60.160 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

Tgt Ion: 43 Resp: 70486

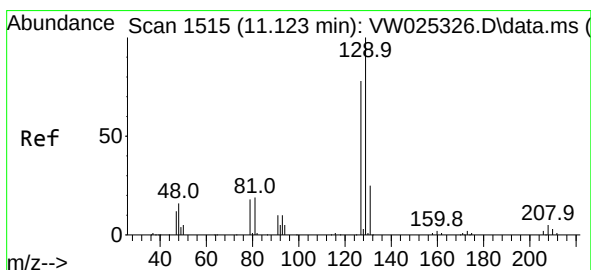
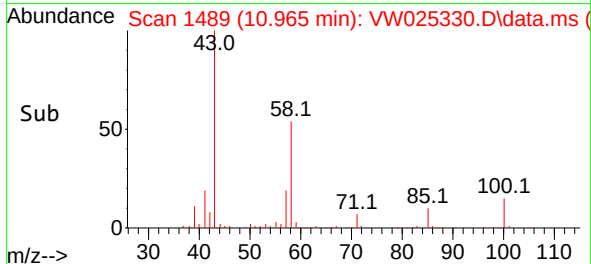
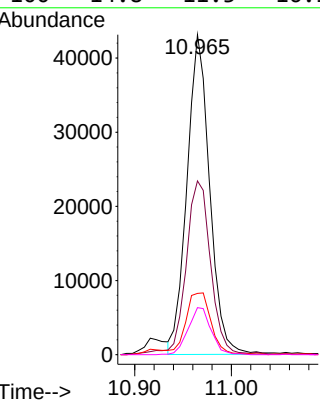
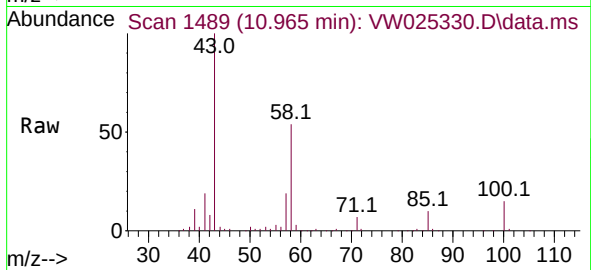
Ion Ratio Lower Upper

43 100

58 57.7 46.3 69.5

57 21.6 16.5 24.7

100 14.8 11.3 16.9



#49

Dibromochloromethane

Concen: 31.649 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW025330.D

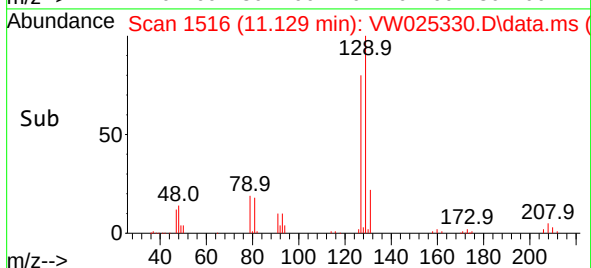
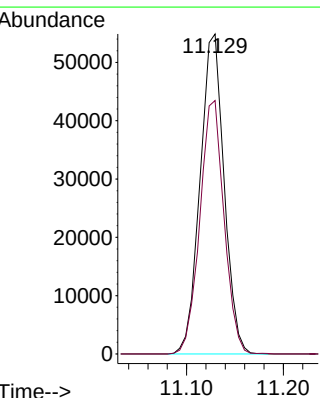
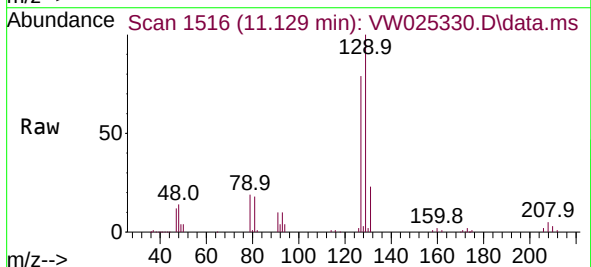
Acq: 13 Feb 2023 14:00

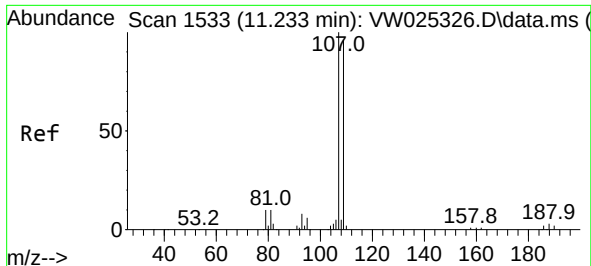
Tgt Ion:129 Resp: 94696

Ion Ratio Lower Upper

129 100

127 79.2 54.8 101.8





#50

1,2-Dibromoethane

Concen: 31.097 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

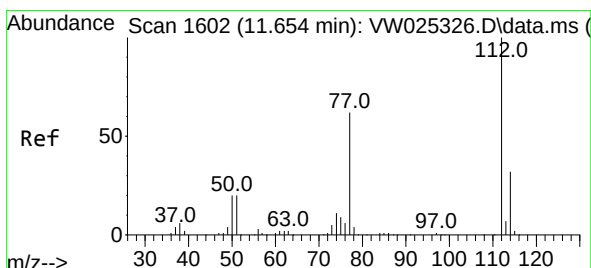
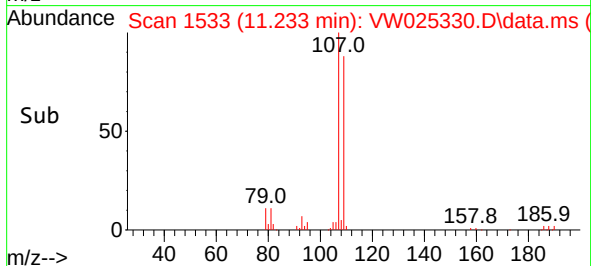
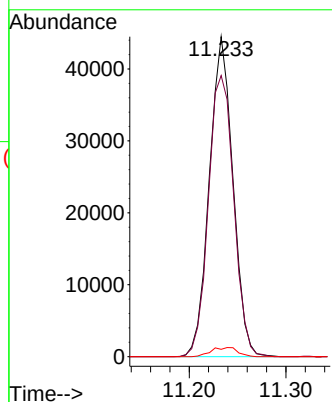
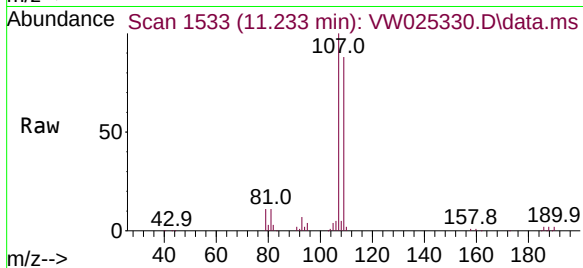
Tgt Ion:107 Resp: 75463

Ion Ratio Lower Upper

107 100

109 87.8 65.0 120.6

188 2.3 2.3 3.5#



#51

Chlorobenzene

Concen: 27.738 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

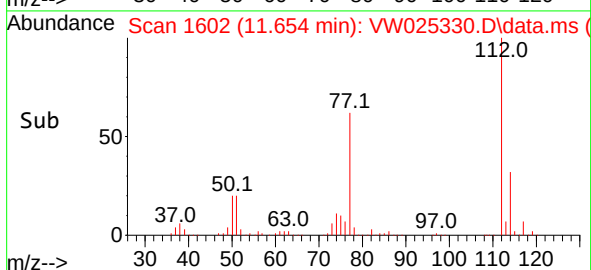
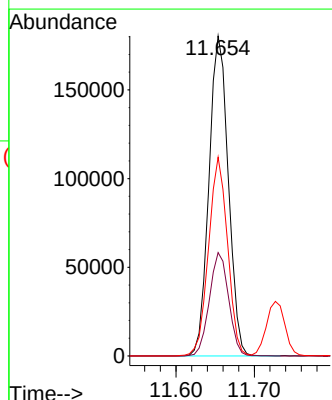
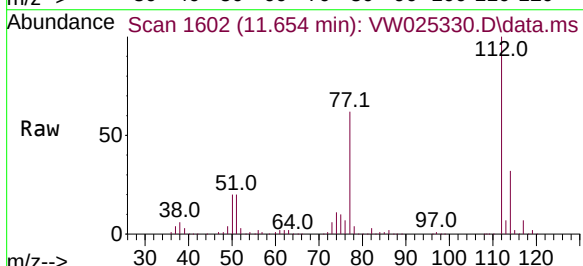
Tgt Ion:112 Resp: 309373

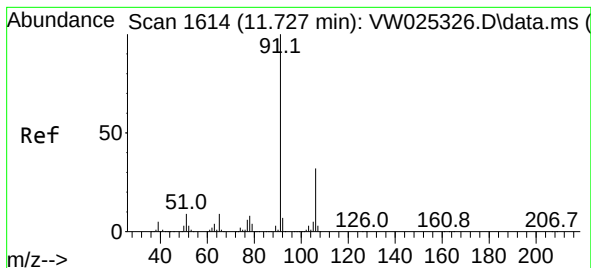
Ion Ratio Lower Upper

112 100

114 32.3 21.7 40.3

77 62.1 46.2 69.4

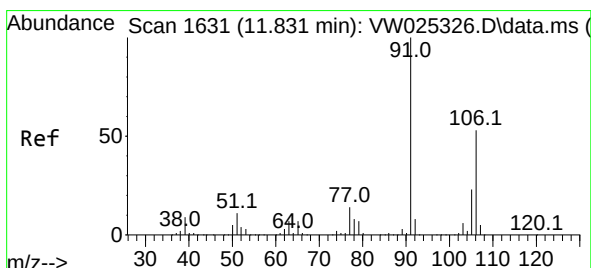
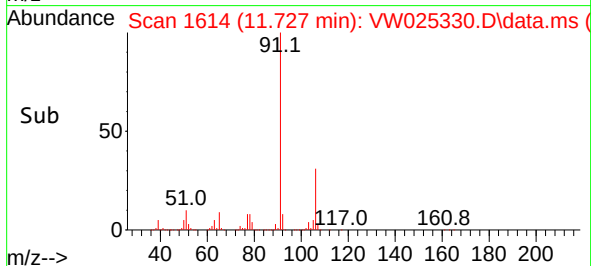
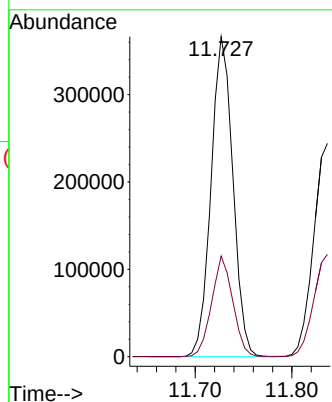
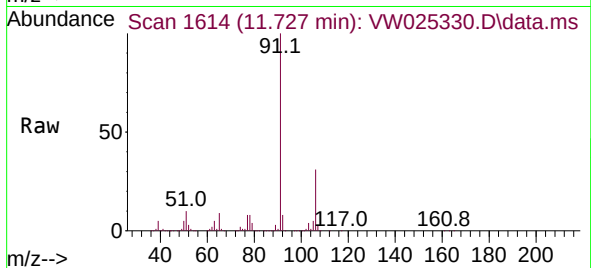




#52
Ethylbenzene
Concen: 28.324 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

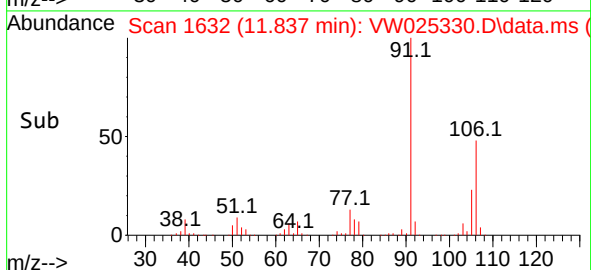
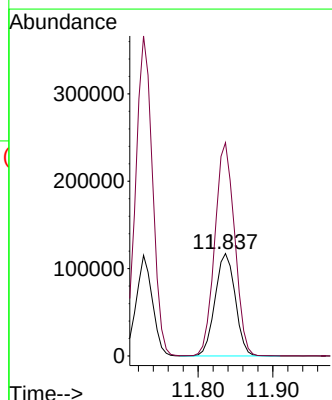
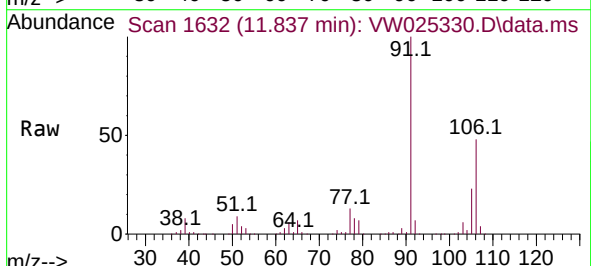
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

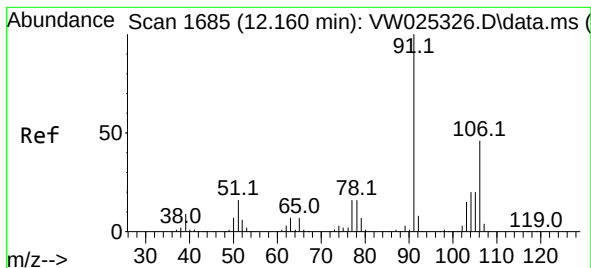
Tgt Ion: 91 Resp: 575139
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.1



#53
m,p-Xylene
Concen: 28.528 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.006 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 106 Resp: 219543
Ion Ratio Lower Upper
106 100
91 208.1 143.4 266.4





#54

o-Xylene

Concen: 26.502 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

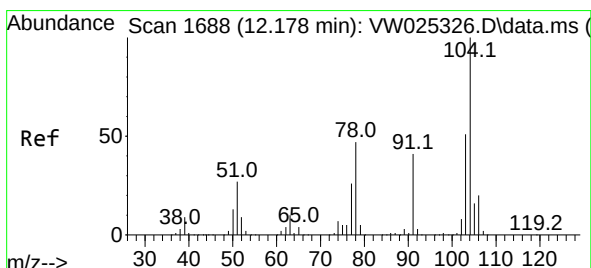
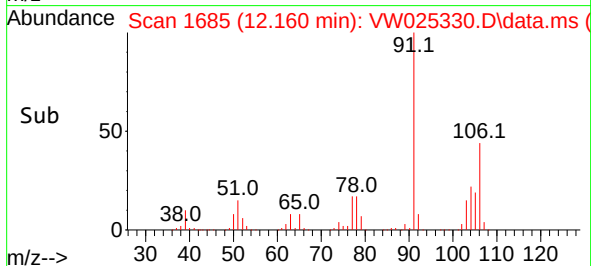
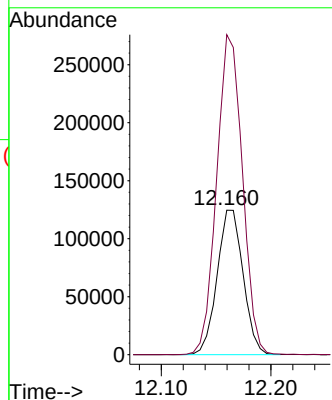
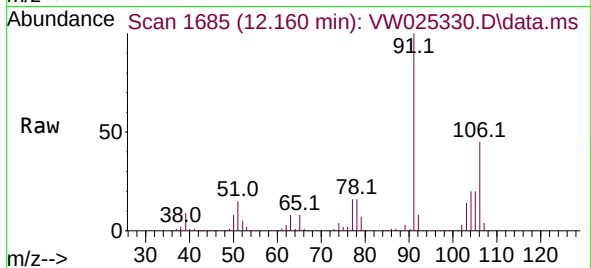
VSTD025537

Tgt Ion:106 Resp: 205312

Ion Ratio Lower Upper

106 100

91 221.5 157.6 292.8



#55

Styrene

Concen: 27.064 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025330.D

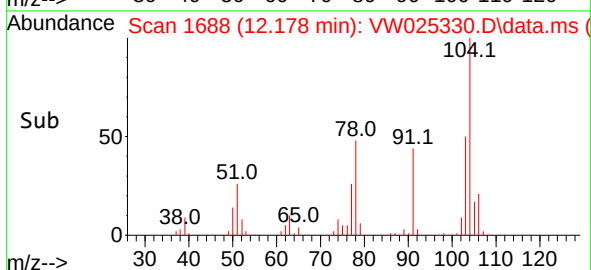
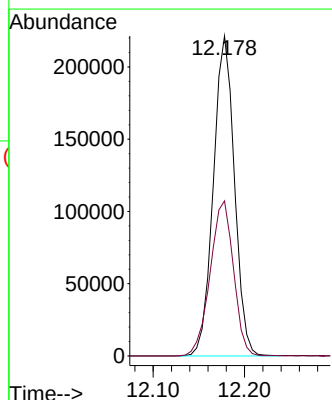
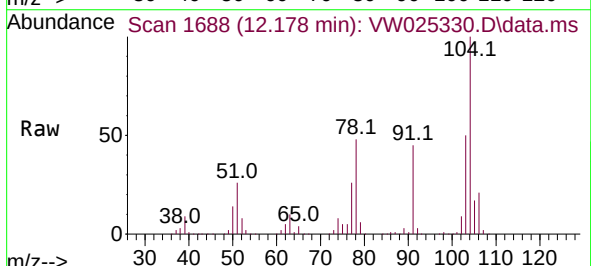
Acq: 13 Feb 2023 14:00

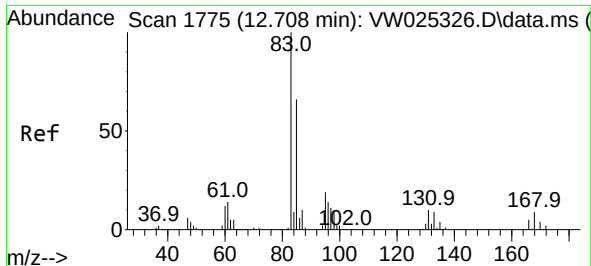
Tgt Ion:104 Resp: 355010

Ion Ratio Lower Upper

104 100

78 48.4 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 27.690 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

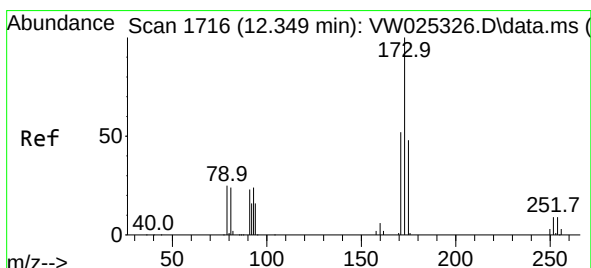
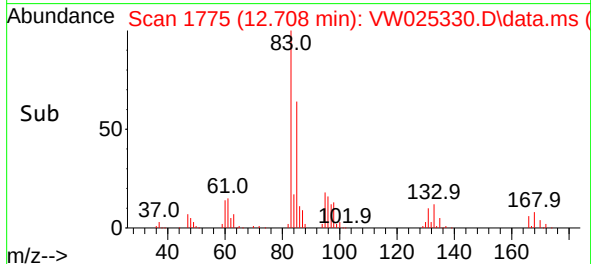
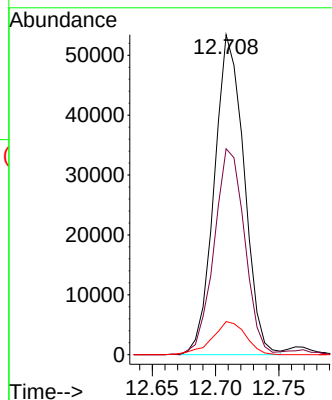
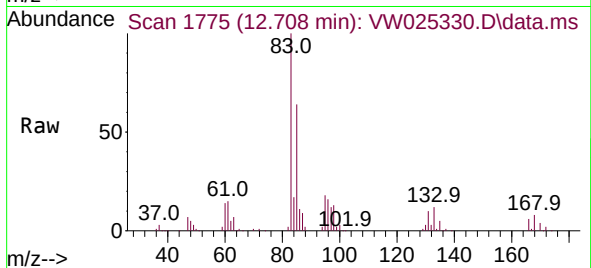
Tgt Ion: 83 Resp: 87401

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

131 10.4 7.8 11.6



#59

Bromoform

Concen: 29.876 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

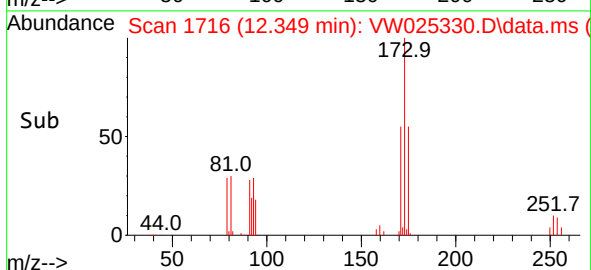
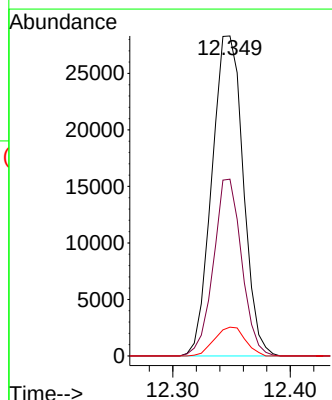
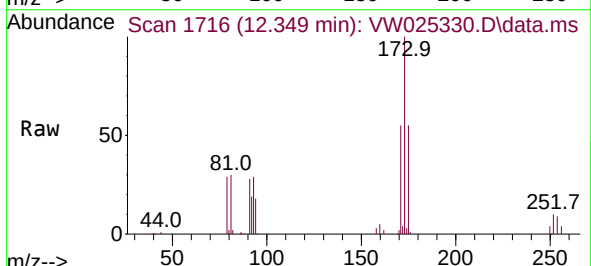
Tgt Ion:173 Resp: 52409

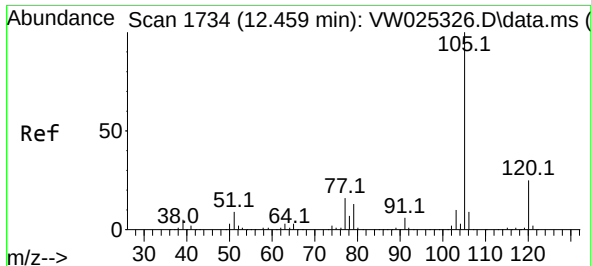
Ion Ratio Lower Upper

173 100

175 49.8 38.6 58.0

254 8.9 7.0 10.4

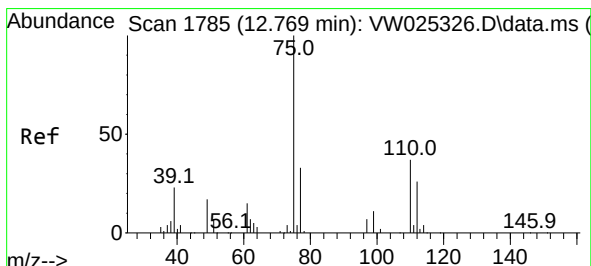
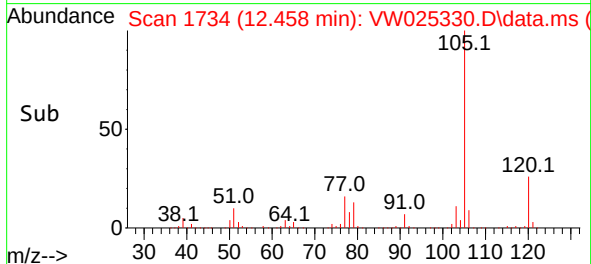
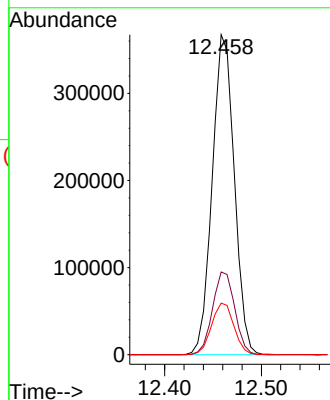
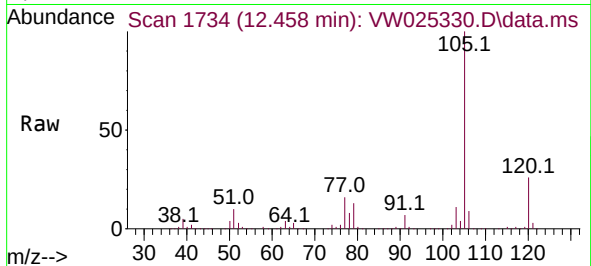




#60
Isopropylbenzene
Concen: 27.799 ug/L
RT: 12.458 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

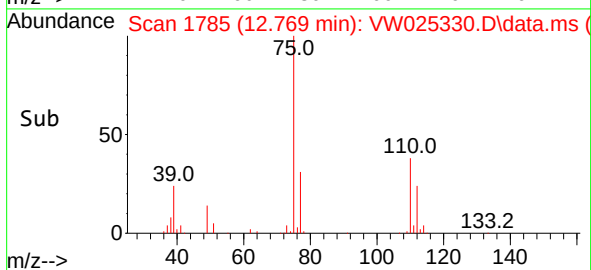
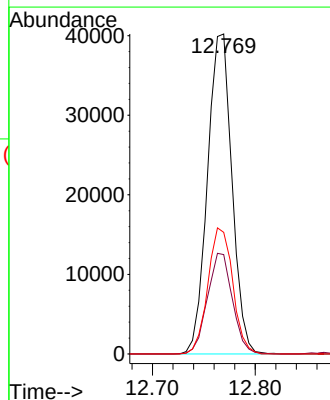
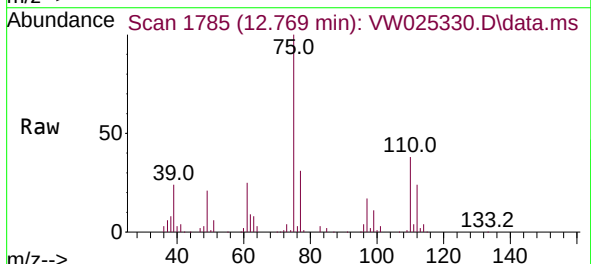
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

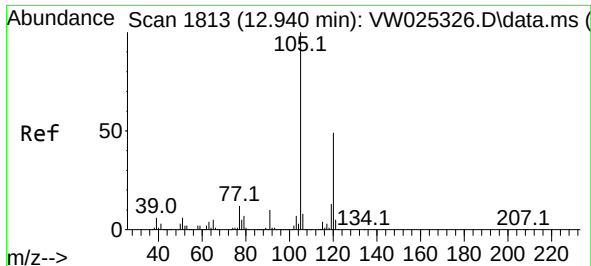
Tgt Ion:105 Resp: 582095
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 16.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 30.283 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion: 75 Resp: 66574
Ion Ratio Lower Upper
75 100
77 32.1 26.7 40.1
110 39.9 33.2 49.8





#62

1,3,5-Trimethylbenzene

Concen: 29.259 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

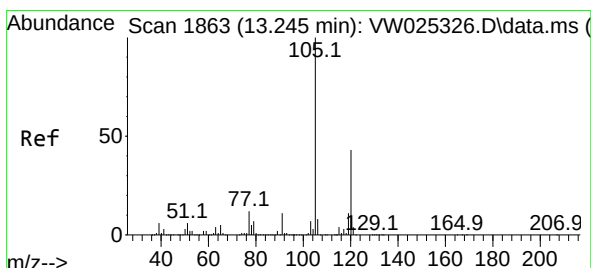
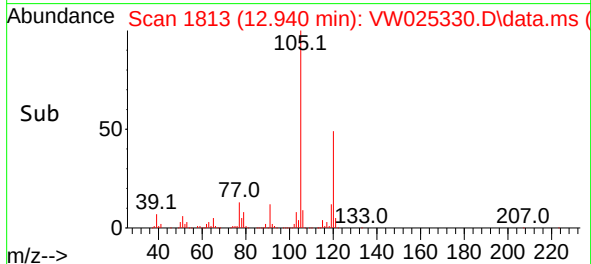
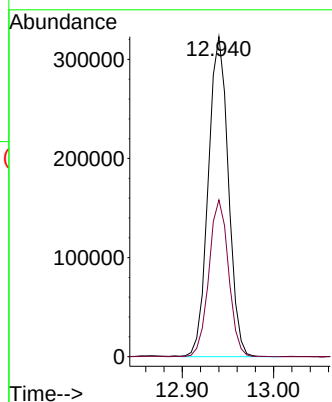
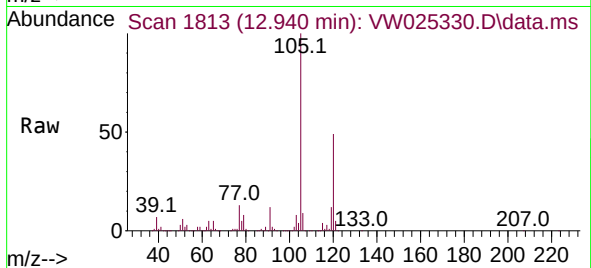
VSTD025537

Tgt Ion:105 Resp: 493921

Ion Ratio Lower Upper

105 100

120 47.8 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 28.934 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW025330.D

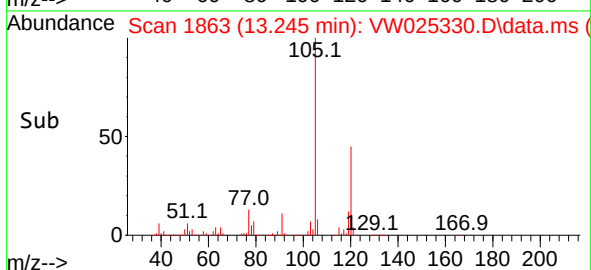
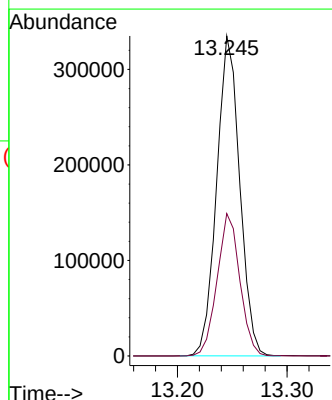
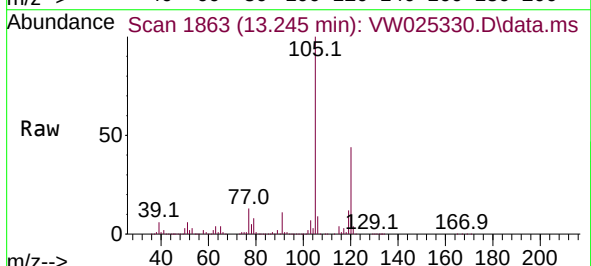
Acq: 13 Feb 2023 14:00

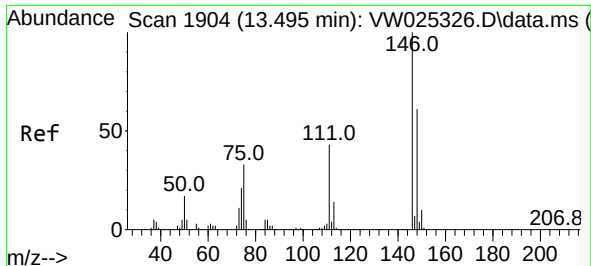
Tgt Ion:105 Resp: 489399

Ion Ratio Lower Upper

105 100

120 43.8 35.0 52.4

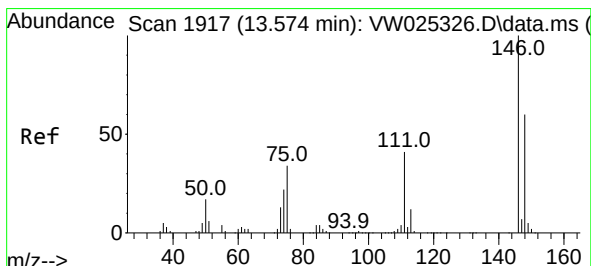
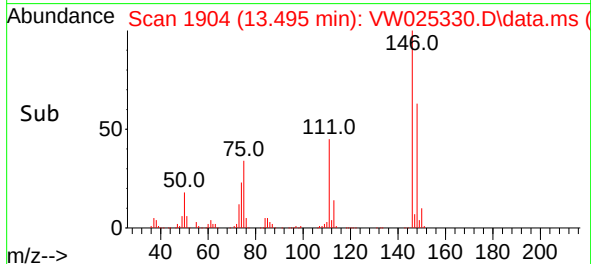
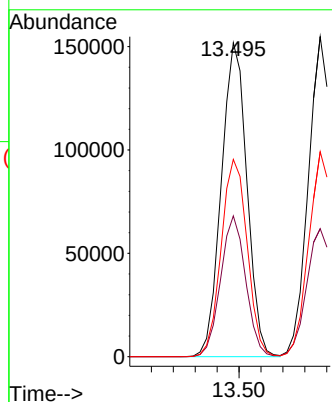
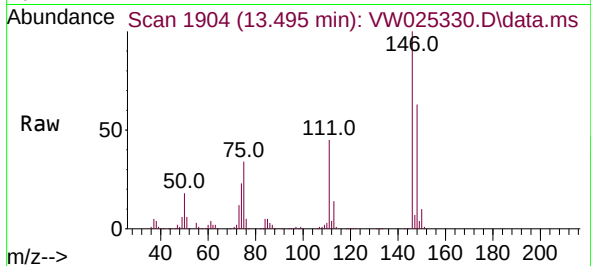




#64
1,3-Dichlorobenzene
Concen: 28.397 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

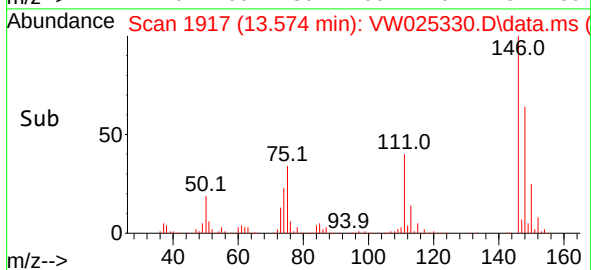
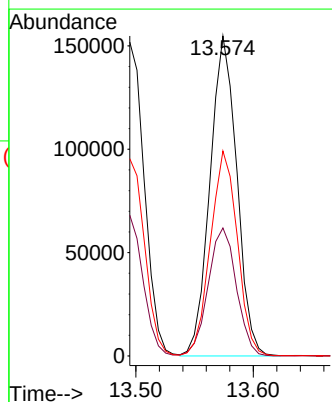
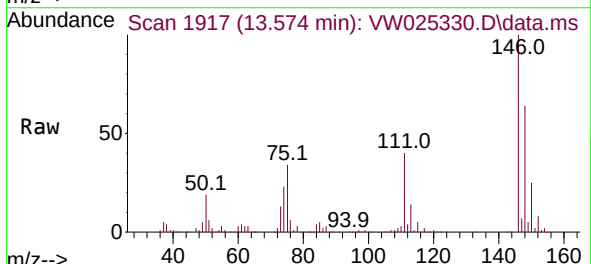
Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

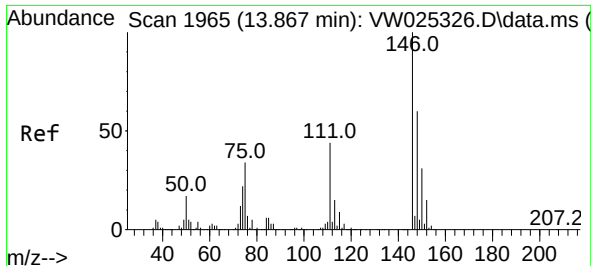
Tgt Ion:146 Resp: 246357
Ion Ratio Lower Upper
146 100
111 44.9 29.0 53.8
148 62.8 41.7 77.5



#65
1,4-Dichlorobenzene
Concen: 28.694 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion:146 Resp: 245642
Ion Ratio Lower Upper
146 100
111 40.0 29.3 54.3
148 64.1 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 28.505 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025537

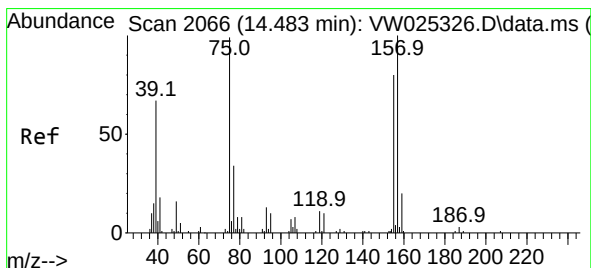
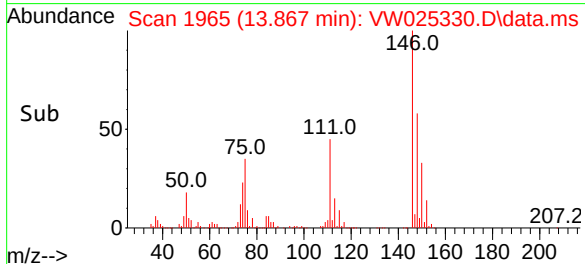
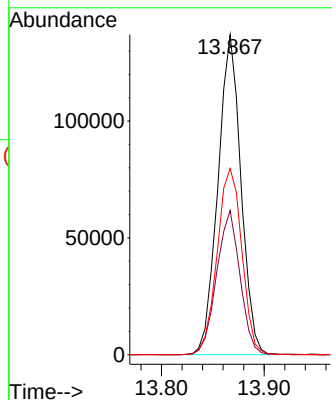
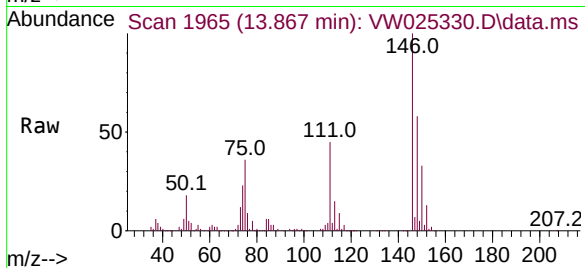
Tgt Ion:146 Resp: 213106

Ion Ratio Lower Upper

146 100

111 45.0 36.2 54.2

148 58.2 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 30.854 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025330.D

Acq: 13 Feb 2023 14:00

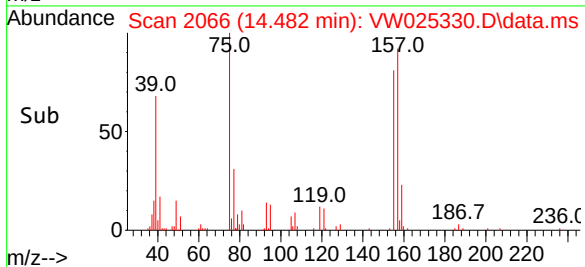
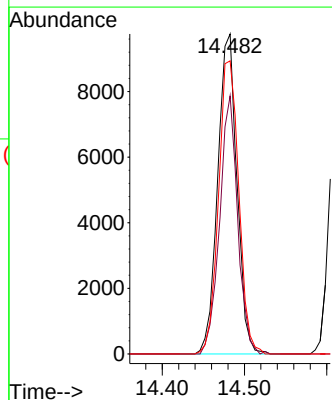
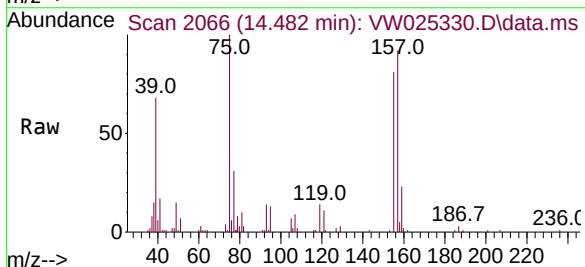
Tgt Ion: 75 Resp: 15842

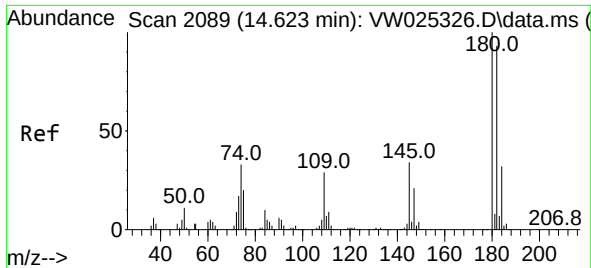
Ion Ratio Lower Upper

75 100

155 80.6 63.4 95.2

157 91.6 82.5 123.7

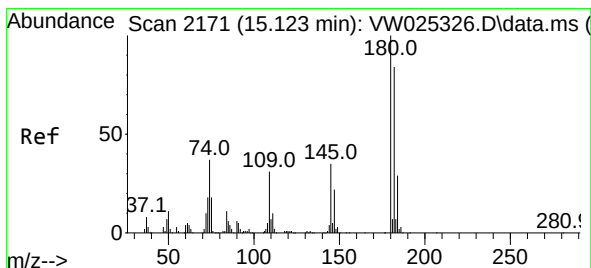
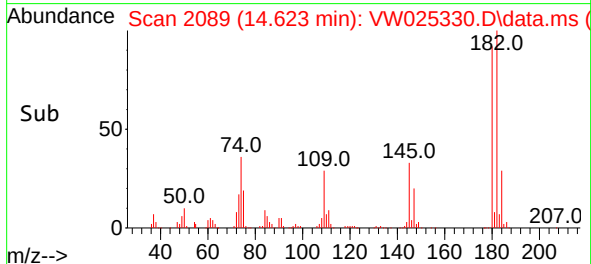
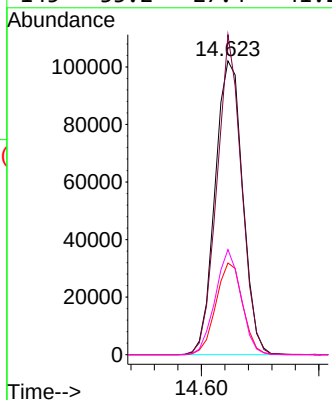
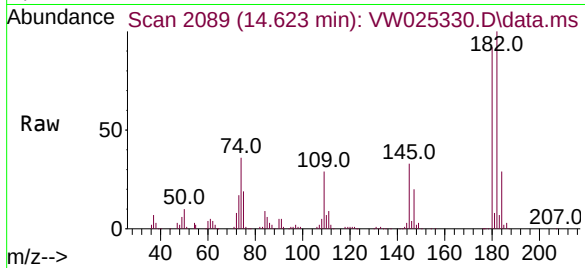




#69
 1,3,5-Trichlorobenzene
 Concen: 29.593 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. -0.000 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

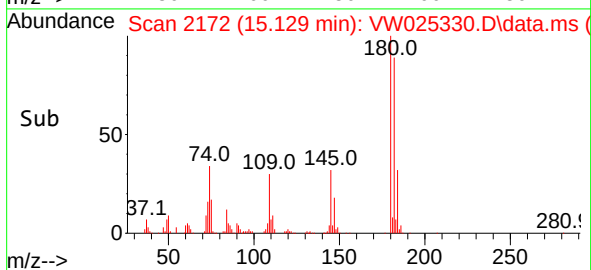
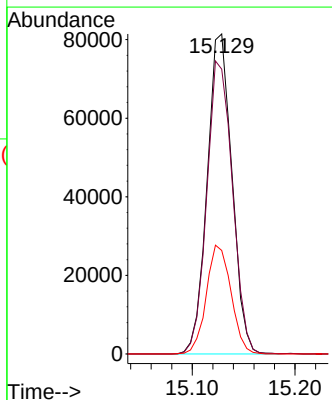
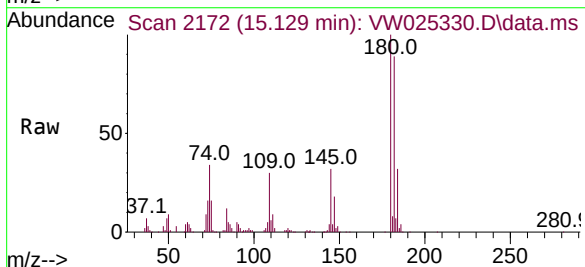
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025537

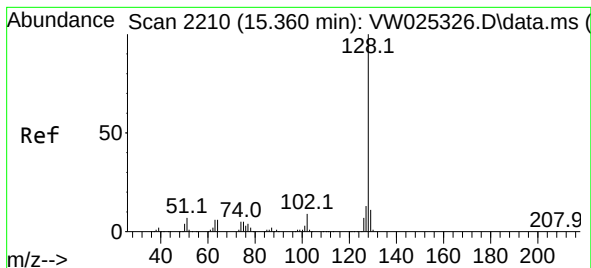
Tgt Ion:180	Resp:	166956
Ion Ratio	Lower	Upper
180	100	
182	96.7	77.7 116.5
184	30.3	24.4 36.6
145	33.2	27.4 41.2



#70
 1,2,4-trichlorobenzene
 Concen: 29.710 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VW025330.D
 Acq: 13 Feb 2023 14:00

Tgt Ion:180	Resp:	136483
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.4 114.6
145	33.9	27.4 41.2

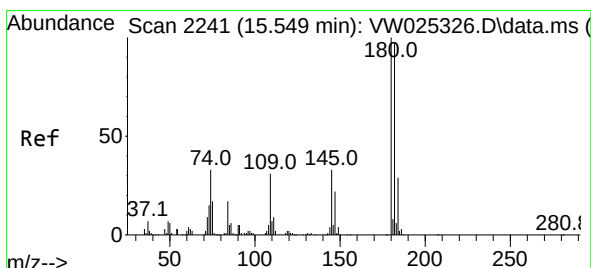
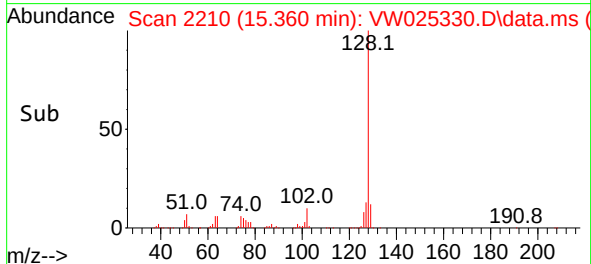
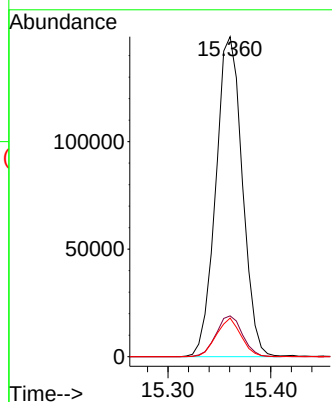
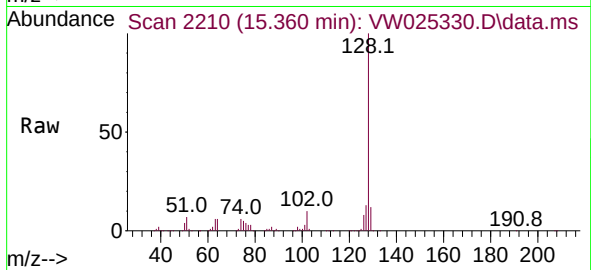




#71
Naphthalene
Concen: 31.727 ug/L
RT: 15.360 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD025537

Tgt Ion:128 Resp: 266438
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 29.540 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW025330.D
Acq: 13 Feb 2023 14:00

Tgt Ion:180 Resp: 116515
Ion Ratio Lower Upper
180 100
182 96.6 75.1 112.7
145 35.6 28.8 43.2

