

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052522\
 Data File : VW023306.D
 Acq On : 25 May 2022 08:33
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025551

Quant Time: May 26 01:24:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 25 04:05:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	352335	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	346194	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	204241	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	129679	17.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.760%
7) Chloroethane-d5	2.879	69	90430	19.229	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.920%
11) 1,1-Dichloroethene-d2	4.019	63	199835	21.395	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.600%
21) 2-Butanone-d5	7.074	46	58559	42.607	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.220%
24) Chloroform-d	7.641	84	243482	23.587	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.360%
26) 1,2-Dichloroethane-d4	8.305	65	125711	22.204	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	8.269	84	454507	22.777	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.120%
36) 1,2-Dichloropropane-d6	9.268	67	131240	23.414	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.640%
41) Toluene-d8	10.323	98	441627	22.911	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.640%
43) trans-1,3-Dichloroprop...	10.573	79	59172	22.927	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.720%
47) 2-Hexanone-d5	10.921	63	47376	44.275	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.560%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	122424	23.433	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.720%
66) 1,2-Dichlorobenzene-d4	13.853	152	165673	23.205	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	43287	22.537	ug/L	96
3) Chloromethane	2.215	50	117359	31.620	ug/L	99
5) Vinyl chloride	2.361	62	181673	24.390	ug/L	98
6) Bromomethane	2.776	94	89213	18.654	ug/L	98
8) Chloroethane	2.916	64	87652	24.398	ug/L	98
9) Trichlorofluoromethane	3.257	101	80565	23.664	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	136007	26.717	ug/L	97
12) 1,1-Dichloroethene	4.038	96	118616	26.285	ug/L	91
13) Acetone	4.117	43	48144	46.787	ug/L	98
14) Carbon disulfide	4.379	76	308671	24.950	ug/L	98
15) Methyl Acetate	4.659	43	47191	22.828	ug/L	99
16) Methylene chloride	4.909	84	130606	25.333	ug/L	99
17) trans-1,2-Dichloroethene	5.422	96	137794	27.134	ug/L	97
18) Methyl tert-butyl Ether	5.422	73	206097	26.586	ug/L	99
19) 1,1-Dichloroethane	6.214	63	232221	26.981	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	148970	27.311	ug/L #	99
22) 2-Butanone	7.165	43	69977	48.627	ug/L	98
23) Bromochloromethane	7.513	128	70162	27.467	ug/L	88
25) Chloroform	7.671	83	261413	27.468	ug/L	99

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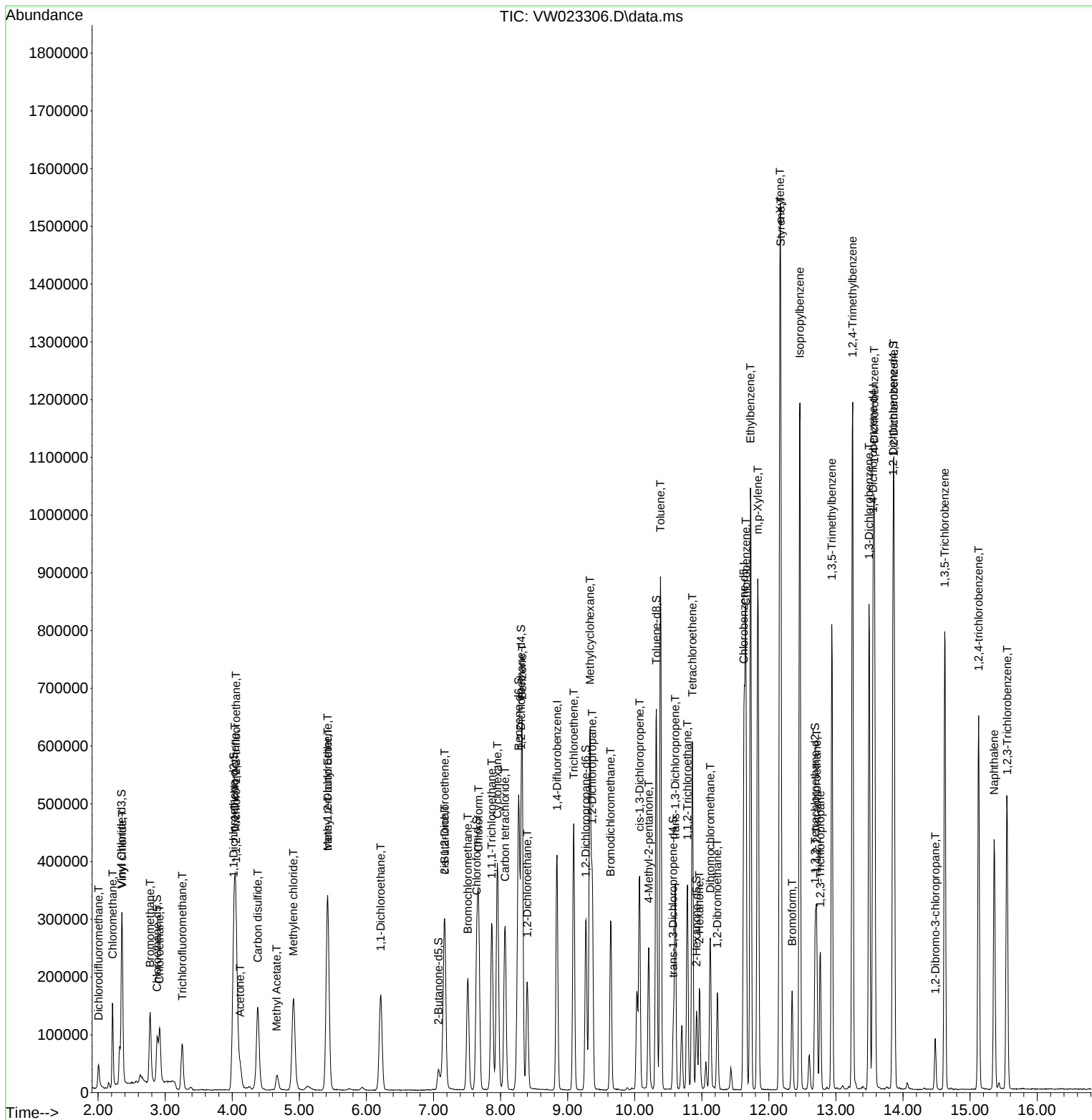
Instrument :
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 ClientSampleId :
 VSTD025551

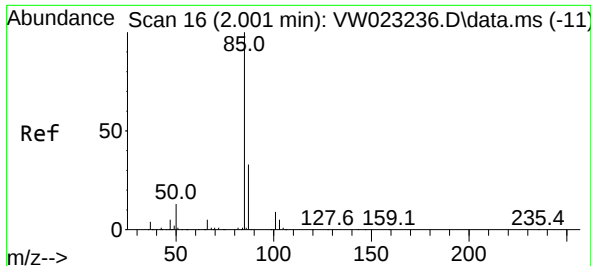
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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	168796	26.607	ug/L	100
29) Cyclohexane	7.952	56	210910	28.170	ug/L	99
30) 1,1,1-Trichloroethane	7.866	97	229496	28.052	ug/L	98
31) Carbon tetrachloride	8.067	117	215020	28.096	ug/L	100
33) Benzene	8.323	78	558716	27.395	ug/L	100
34) Trichloroethene	9.092	95	155210	27.673	ug/L	97
35) Methylcyclohexane	9.335	83	264513	28.708	ug/L	99
37) 1,2-Dichloropropane	9.366	63	132935	26.935	ug/L	99
38) Bromodichloromethane	9.640	83	189052	26.969	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	213533	27.903	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	148375	47.697	ug/L	97
42) Toluene	10.384	91	653091	28.574	ug/L	97
44) trans-1,3-Dichloropropene	10.604	75	189762	27.782	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	109182	26.463	ug/L	99
46) Tetrachloroethene	10.860	164	127217	30.182	ug/L	83
48) 2-Hexanone	10.963	43	108421	52.164	ug/L	99
49) Dibromochloromethane	11.128	129	135765	27.341	ug/L	95
50) 1,2-Dibromoethane	11.231	107	106983	25.824	ug/L	93
51) Chlorobenzene	11.658	112	426523	28.307	ug/L	98
52) Ethylbenzene	11.725	91	731468	28.767	ug/L	98
53) m,p-Xylene	11.835	106	295415	29.485	ug/L	99
54) o-Xylene	12.164	106	279880	29.110	ug/L	99
55) Styrene	12.176	104	480659	29.421	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	128698	24.974	ug/L	99
59) Bromoform	12.347	173	73556	25.413	ug/L	100
60) Isopropylbenzene	12.463	105	791056	28.272	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	93216	22.842	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	432655	27.794	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	649804	27.801	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	347509	27.818	ug/L	93
65) 1,4-Dichlorobenzene	13.573	146	347913	26.963	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	314725	27.532	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	20121	22.560	ug/L	88
69) 1,3,5-Trichlorobenzene	14.621	180	236402	28.509	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	191784	28.752	ug/L	98
71) Naphthalene	15.359	128	373748	25.779	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	161281	27.280	ug/L	96

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

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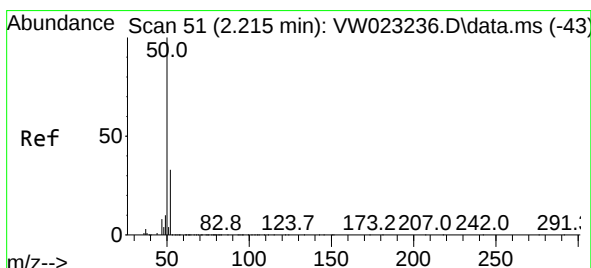
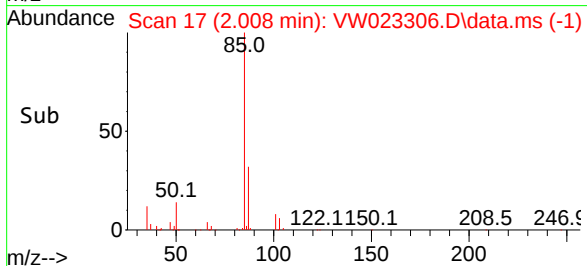
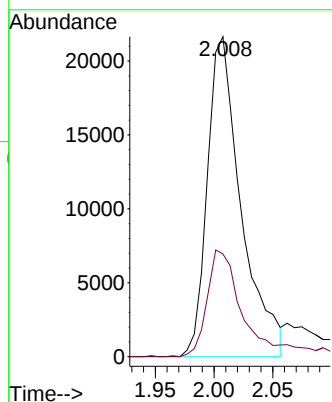
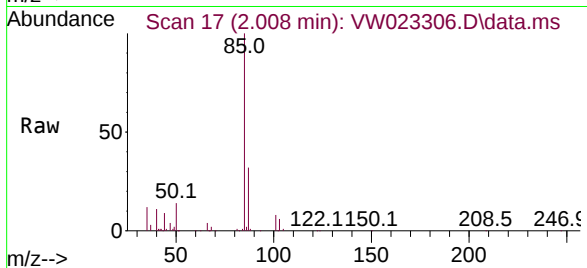




#2
 Dichlorodifluoromethane
 Concen: 22.537 ug/L
 RT: 2.008 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

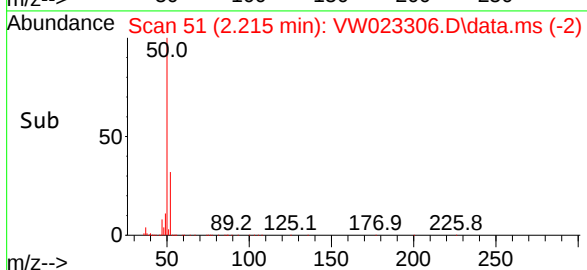
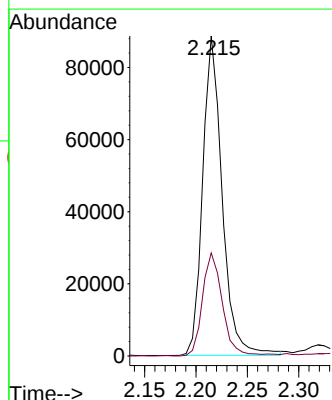
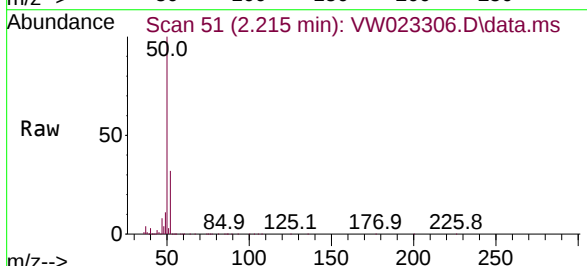
Instrument :
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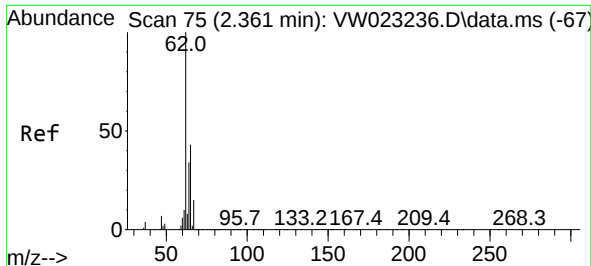
Tgt Ion: 85 Resp: 43287
 Ion Ratio Lower Upper
 85 100
 87 32.5 27.8 41.8



#3
 Chloromethane
 Concen: 31.620 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

Tgt Ion: 50 Resp: 117359
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.1 42.9

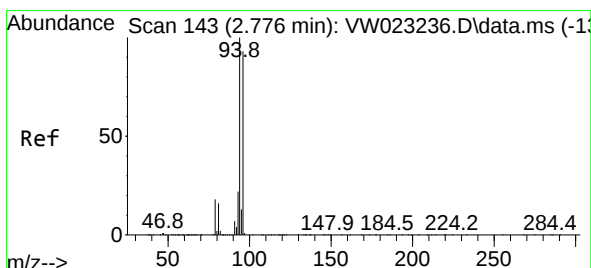
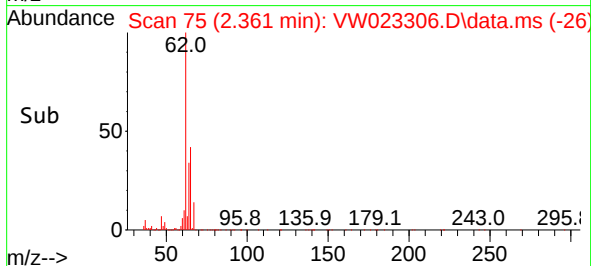
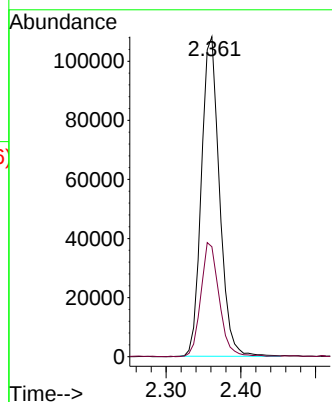
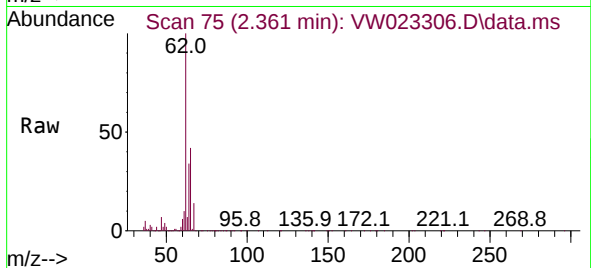




#5
 Vinyl chloride
 Concen: 24.390 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

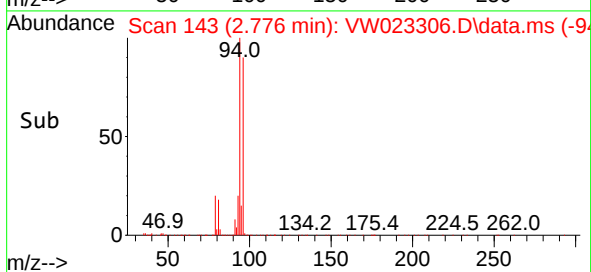
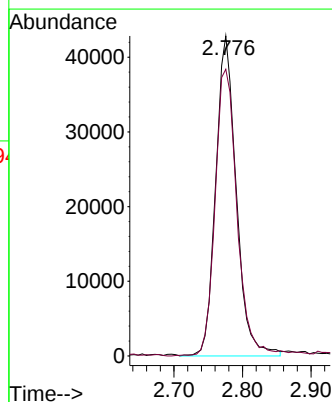
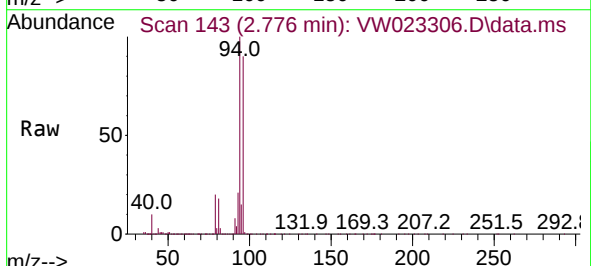
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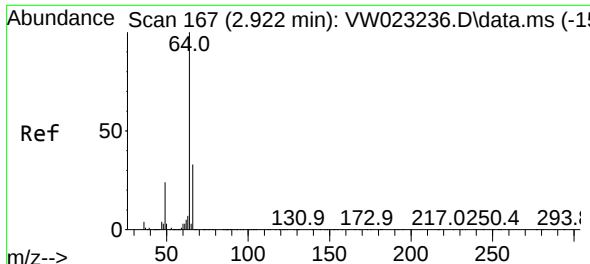
Tgt Ion: 62 Resp: 181673
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.9 46.3



#6
 Bromomethane
 Concen: 18.654 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

Tgt Ion: 94 Resp: 89213
 Ion Ratio Lower Upper
 94 100
 96 89.6 61.7 114.5

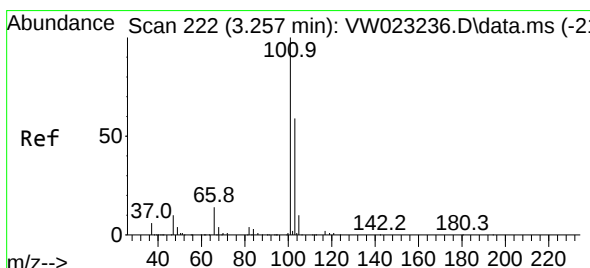
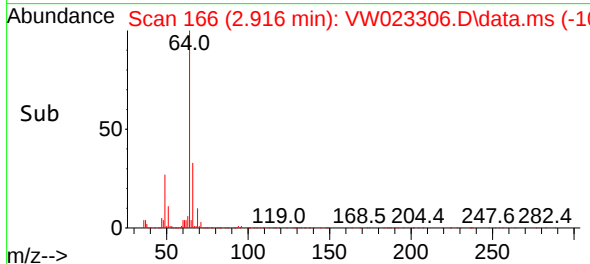
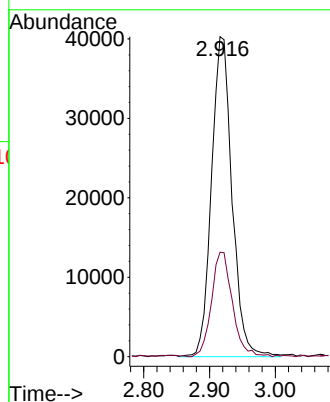
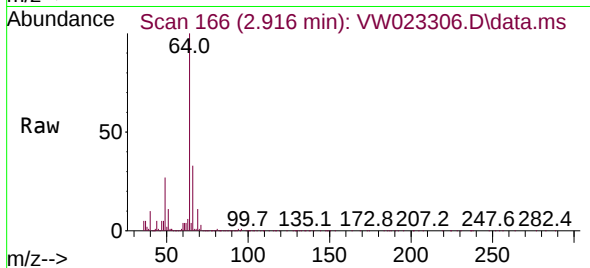




#8
Chloroethane
Concen: 24.398 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

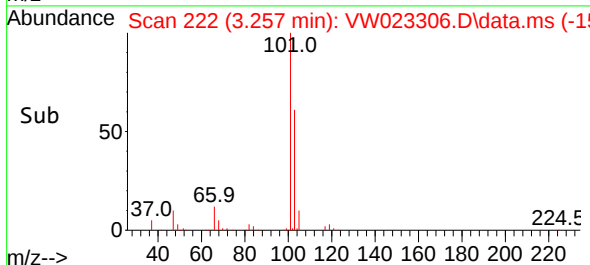
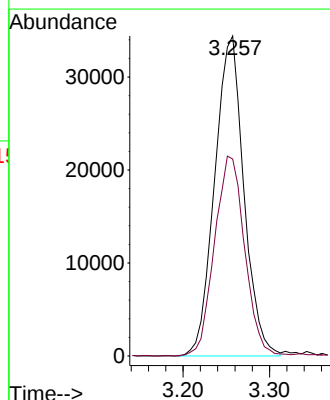
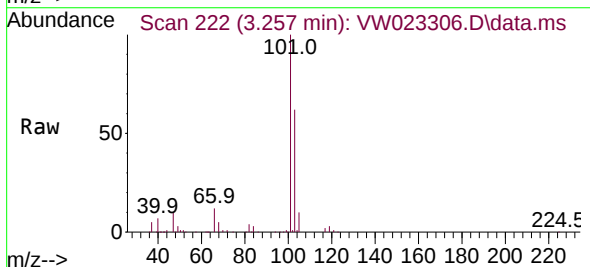
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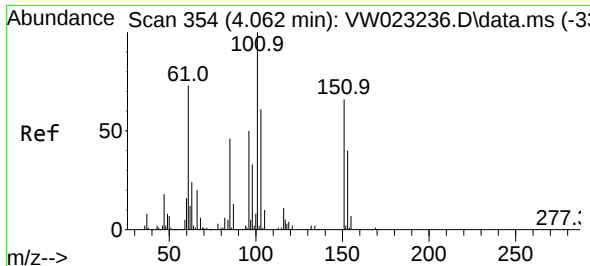
Tgt Ion: 64 Resp: 87652
Ion Ratio Lower Upper
64 100
66 32.6 23.4 43.6



#9
Trichlorofluoromethane
Concen: 23.664 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 101 Resp: 80565
Ion Ratio Lower Upper
101 100
103 64.5 53.9 80.9

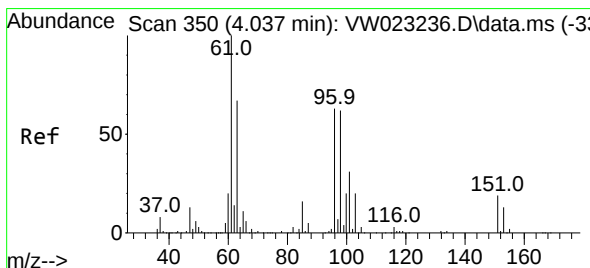
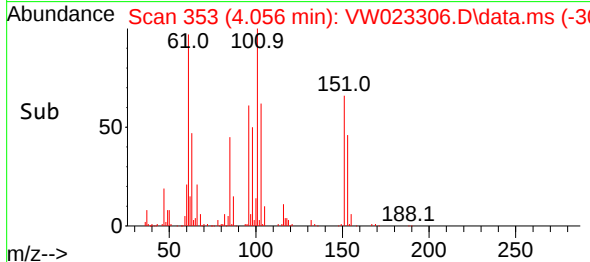
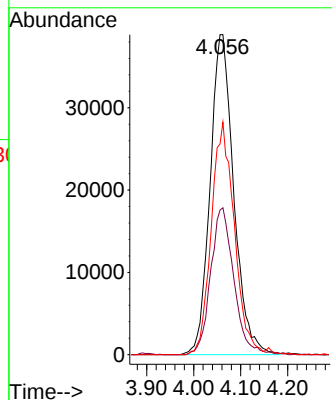
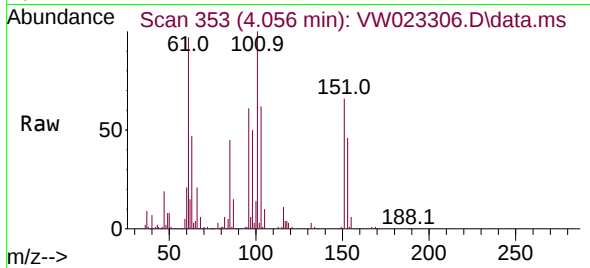




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.717 ug/L
 RT: 4.056 min Scan# 310
 Delta R.T. -0.012 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

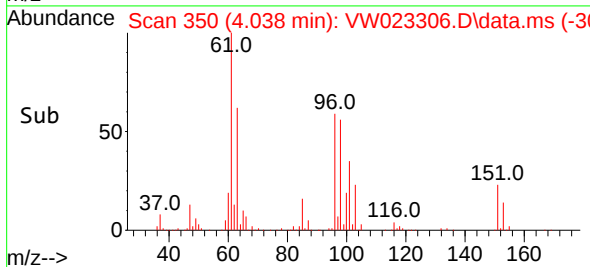
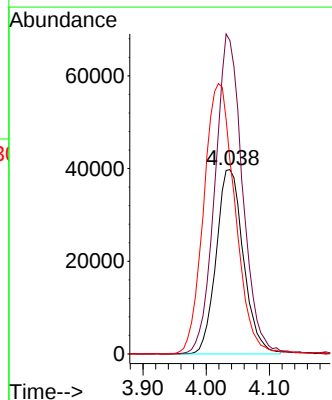
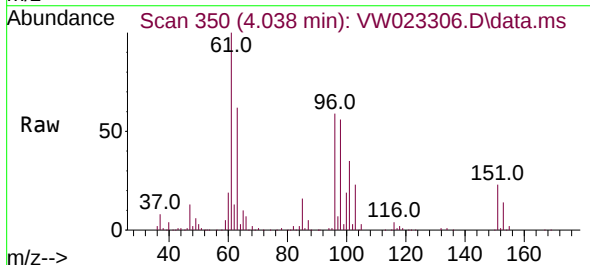
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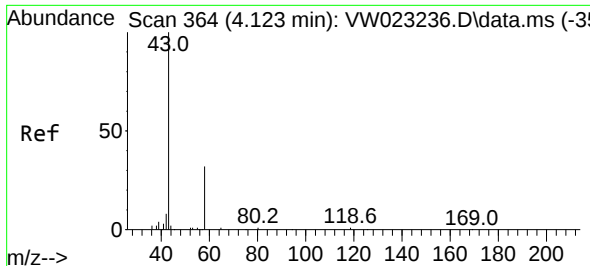
Tgt Ion:101 Resp: 136007
 Ion Ratio Lower Upper
 101 100
 85 44.6 34.3 51.5
 151 70.4 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 26.285 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

Tgt Ion: 96 Resp: 118616
 Ion Ratio Lower Upper
 96 100
 61 170.0 125.7 233.5
 63 104.8 83.4 155.0

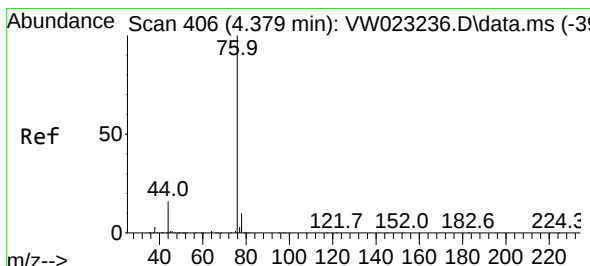
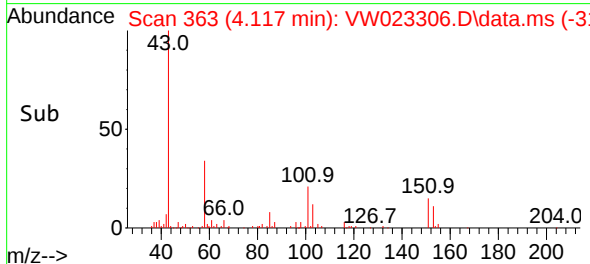
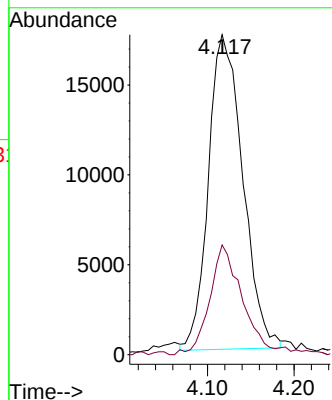
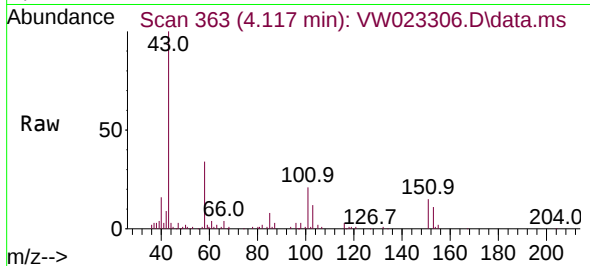




#13
 Acetone
 Concen: 46.787 ug/L
 RT: 4.117 min Scan# 363
 Delta R.T. -0.006 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

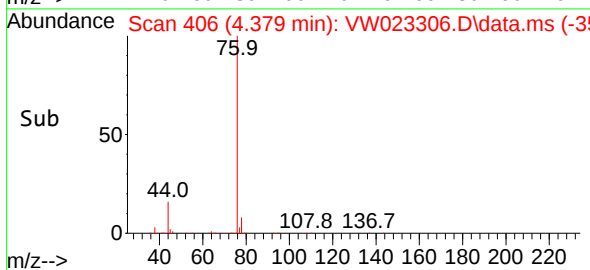
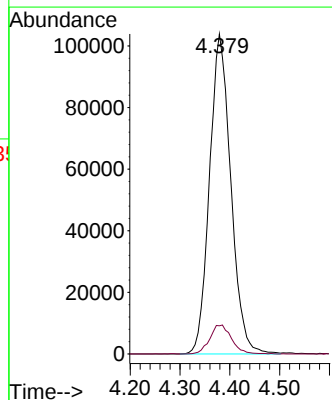
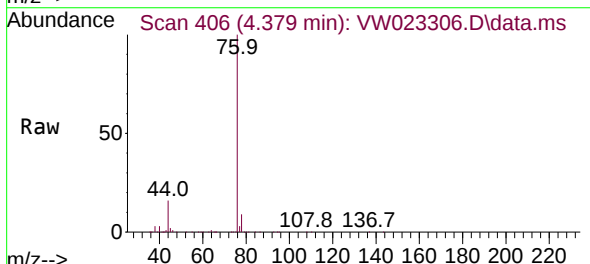
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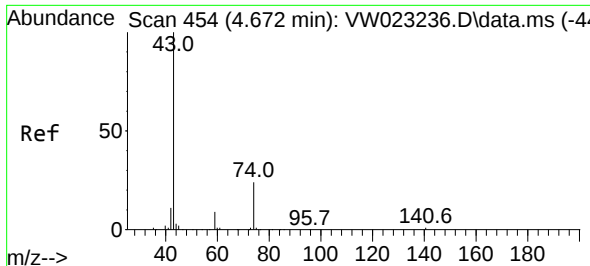
Tgt Ion: 43 Resp: 48144
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 64.0



#14
 Carbon disulfide
 Concen: 24.950 ug/L
 RT: 4.379 min Scan# 406
 Delta R.T. -0.006 min
 Lab File: VW023306.D
 Acq: 25 May 2022 08:33

Tgt Ion: 76 Resp: 308671
 Ion Ratio Lower Upper
 76 100
 78 8.8 7.7 11.5

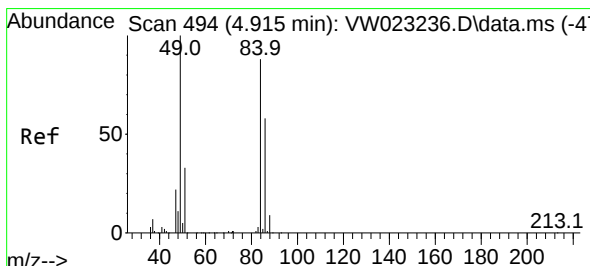
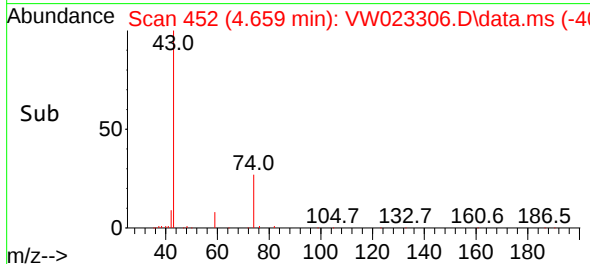
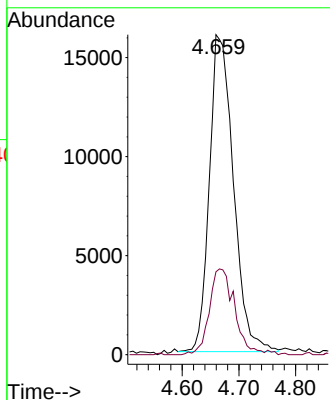
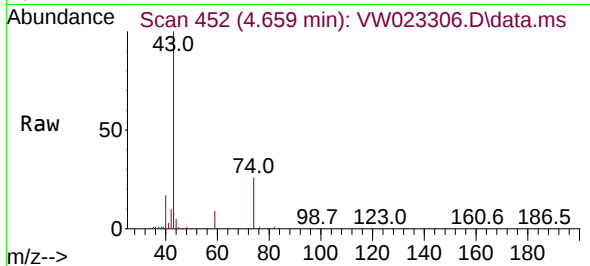




#15
Methyl Acetate
Concen: 22.828 ug/L
RT: 4.659 min Scan# 41
Delta R.T. -0.018 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

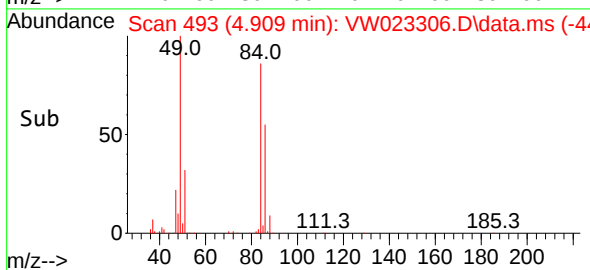
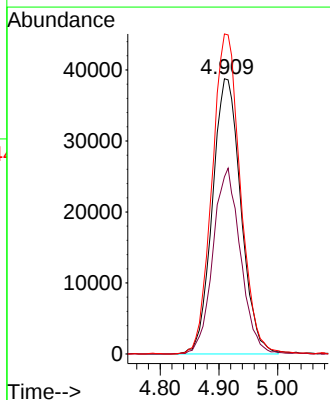
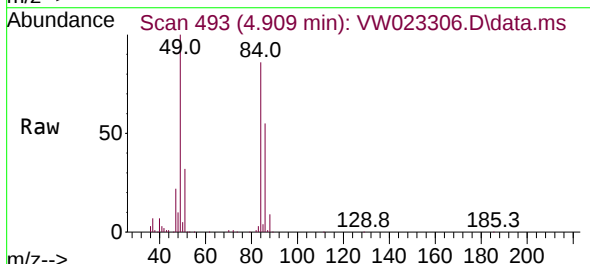
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

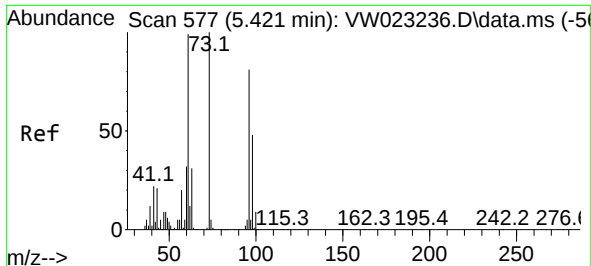
Tgt Ion: 43 Resp: 47191
Ion Ratio Lower Upper
43 100
74 28.1 21.9 32.9



#16
Methylene chloride
Concen: 25.333 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.012 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 84 Resp: 130606
Ion Ratio Lower Upper
84 100
86 64.4 45.4 84.4
49 116.3 82.5 153.1

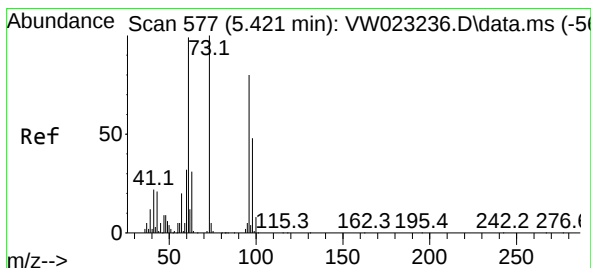
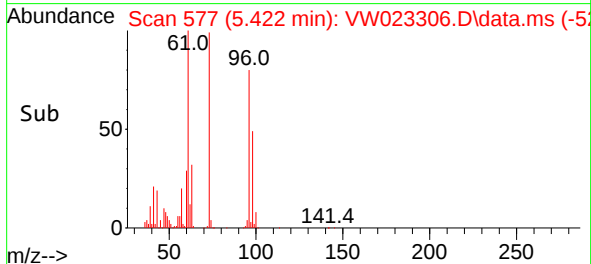
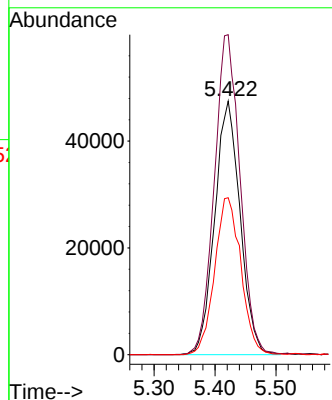
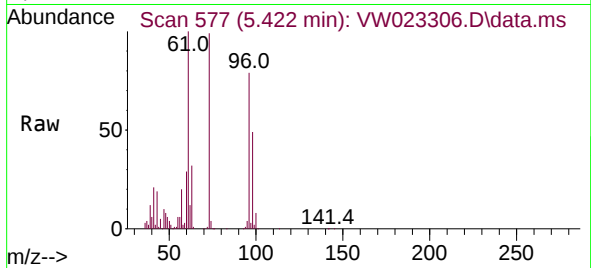




#17
trans-1,2-Dichloroethene
Concen: 27.134 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

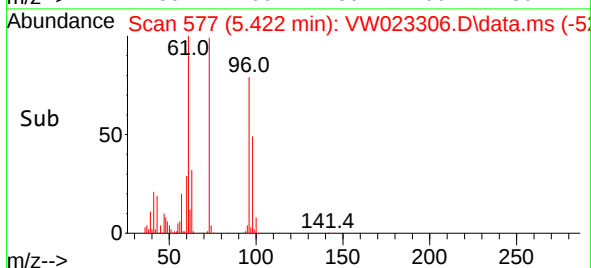
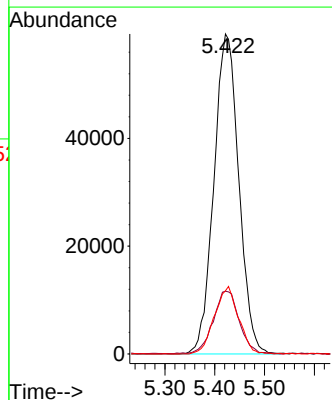
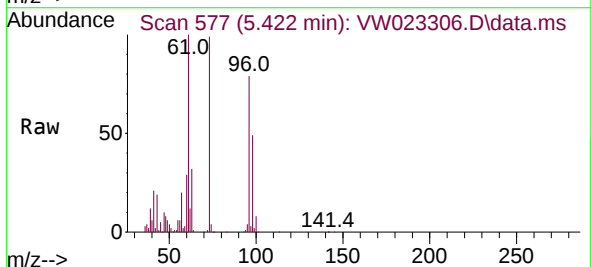
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

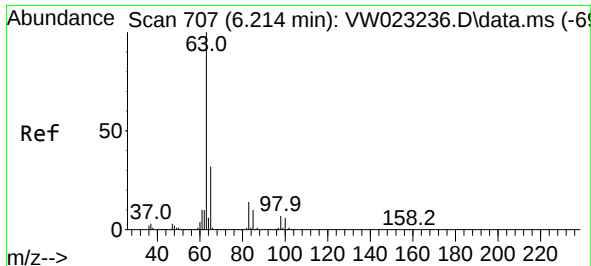
Tgt Ion: 96 Resp: 137794
Ion Ratio Lower Upper
96 100
61 126.1 92.2 171.2
98 61.9 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 26.586 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 73 Resp: 206097
Ion Ratio Lower Upper
73 100
43 20.1 15.9 23.9
57 20.3 16.5 24.7





#19

1,1-Dichloroethane

Concen: 26.981 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

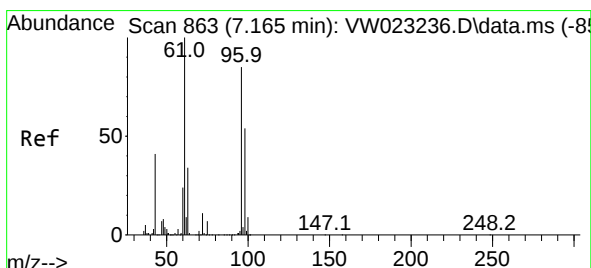
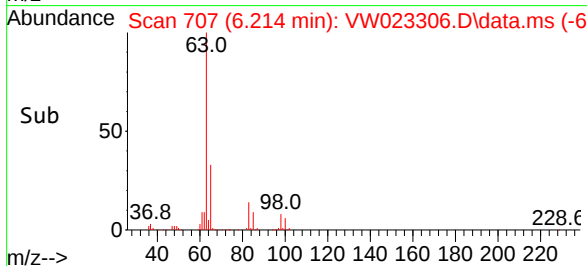
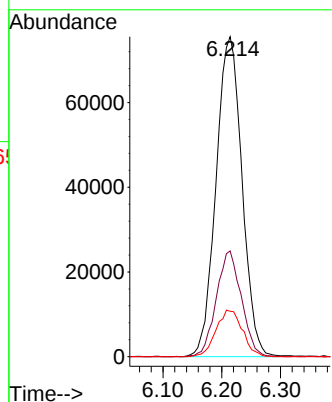
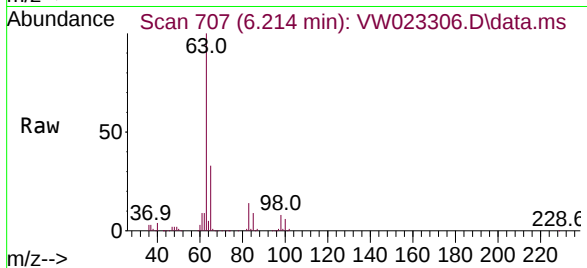
Tgt Ion: 63 Resp: 232221

Ion Ratio Lower Upper

63 100

65 33.0 23.3 43.3

83 14.2 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 27.311 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

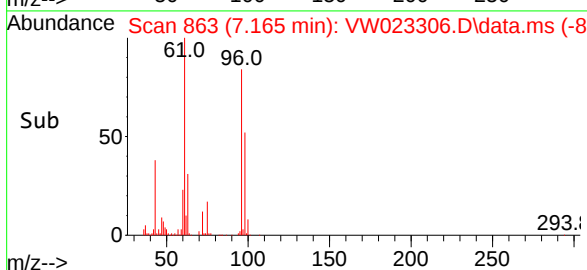
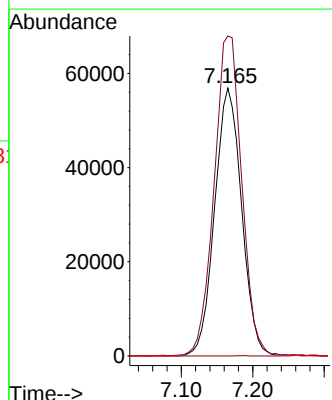
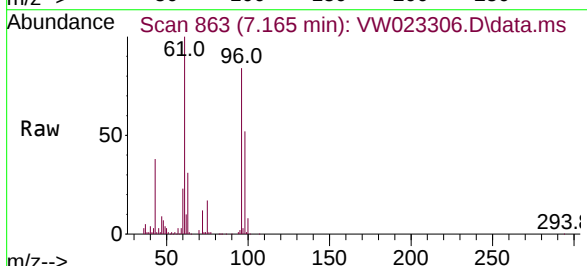
Tgt Ion: 96 Resp: 148970

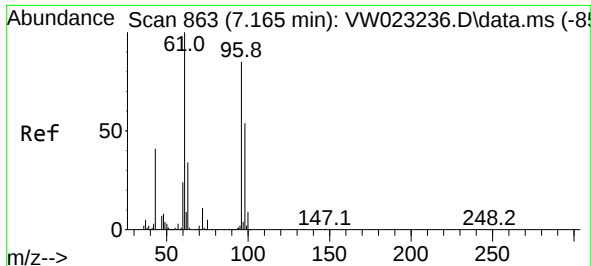
Ion Ratio Lower Upper

96 100

61 119.5 84.2 156.4

68 0.0 0.1 0.1#

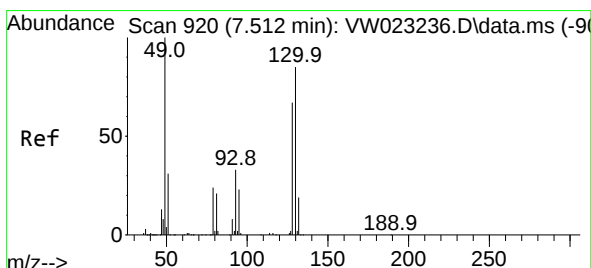
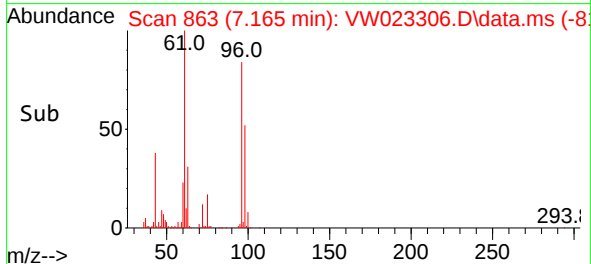
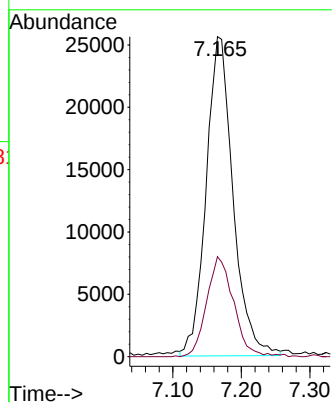
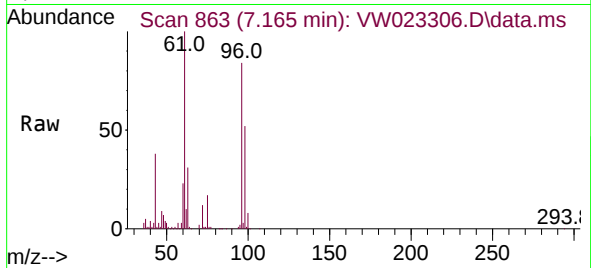




#22
2-Butanone
Concen: 48.627 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

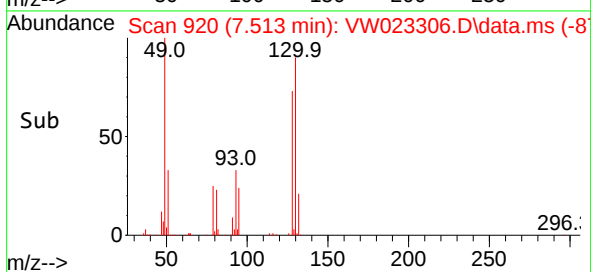
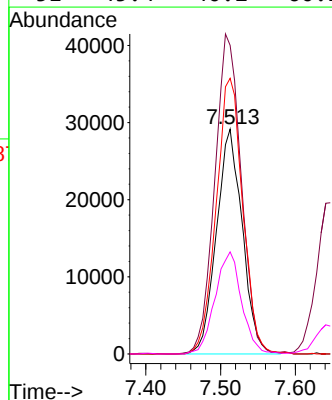
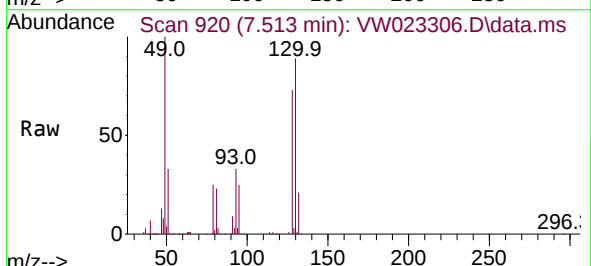
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

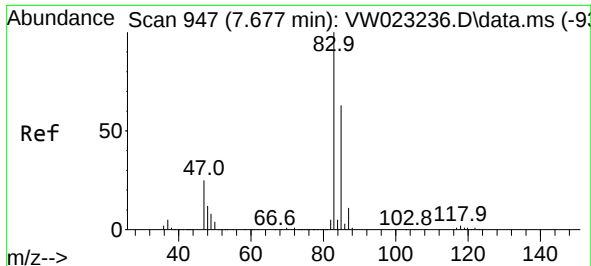
Tgt Ion: 43 Resp: 69977
Ion Ratio Lower Upper
43 100
72 31.1 15.1 45.3



#23
Bromochloromethane
Concen: 27.467 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 128 Resp: 70162
Ion Ratio Lower Upper
128 100
49 137.3 110.0 204.4
130 122.6 94.8 176.0
51 45.4 40.2 60.2

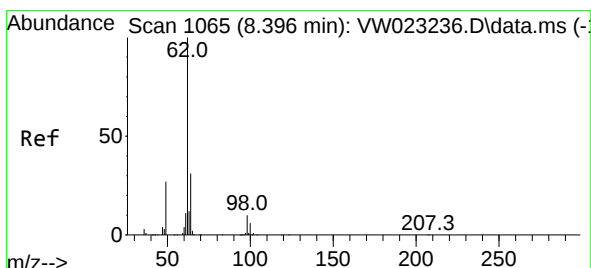
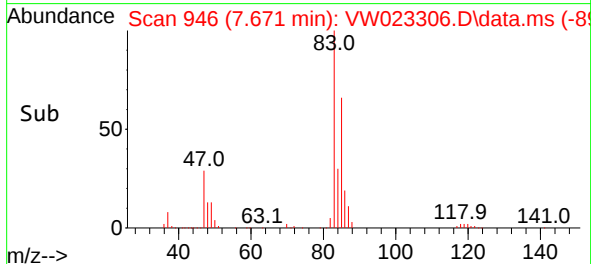
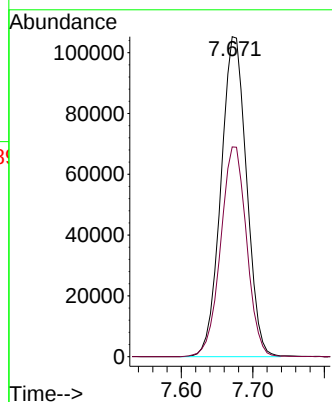
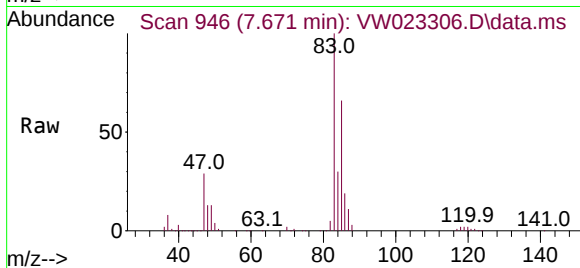




#25
Chloroform
Concen: 27.468 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

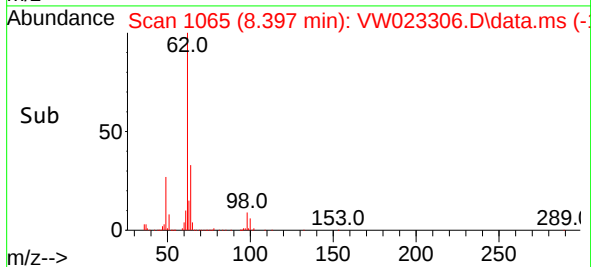
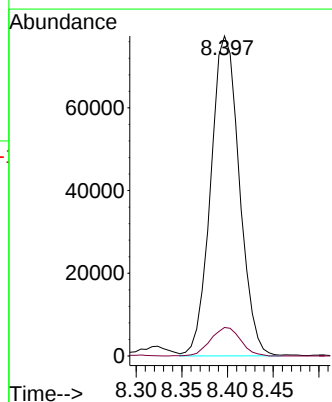
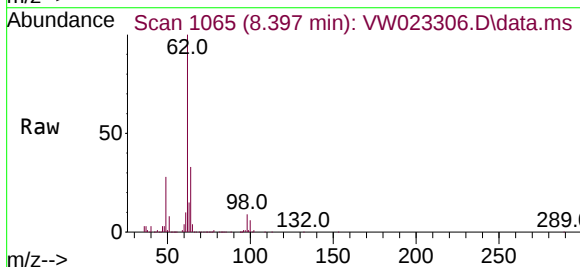
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

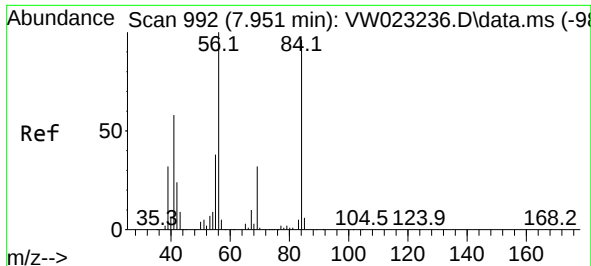
Tgt Ion: 83 Resp: 261413
Ion Ratio Lower Upper
83 100
85 65.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 26.607 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 62 Resp: 168796
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 28.170 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

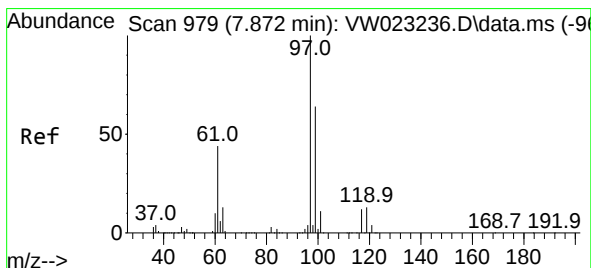
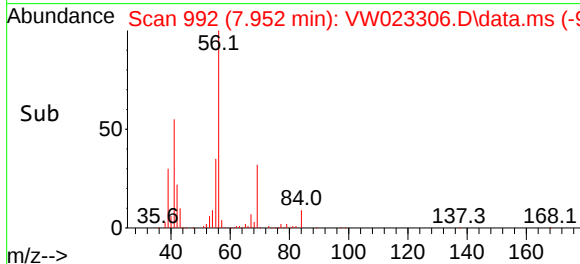
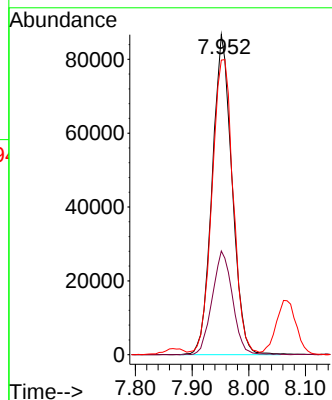
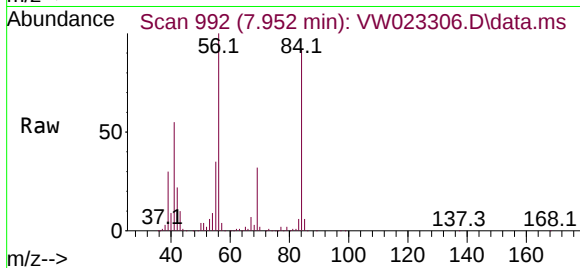
Tgt Ion: 56 Resp: 210910

Ion Ratio Lower Upper

56 100

69 32.9 25.6 38.4

84 98.3 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 28.052 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

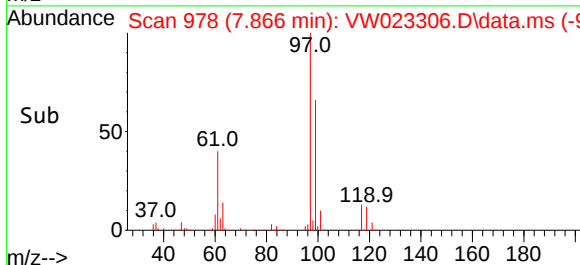
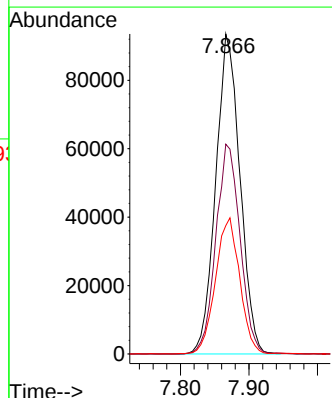
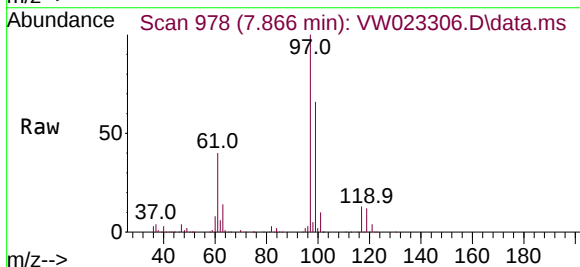
Tgt Ion: 97 Resp: 229496

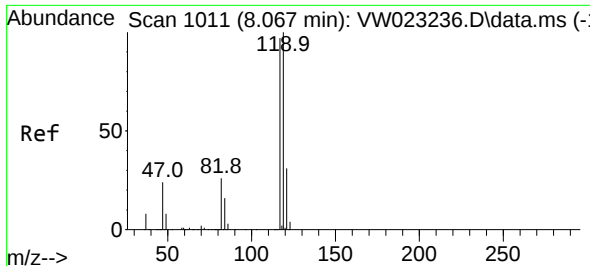
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

61 42.7 34.8 52.2

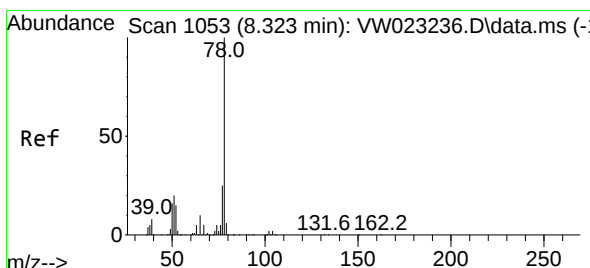
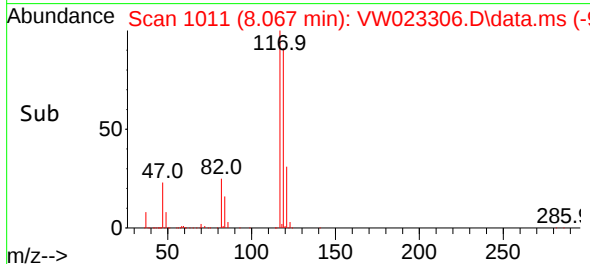
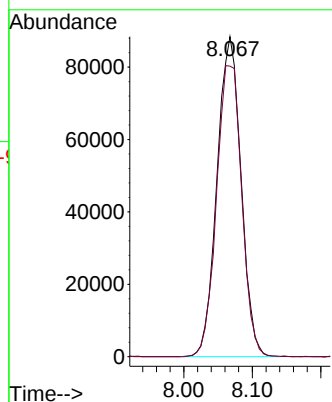
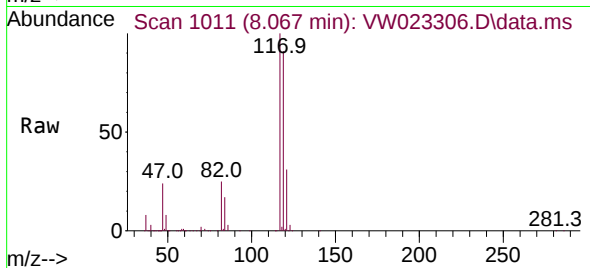




#31
Carbon tetrachloride
Concen: 28.096 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

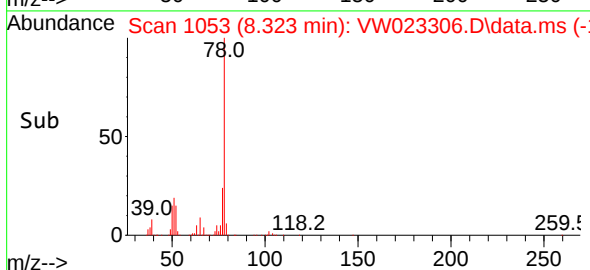
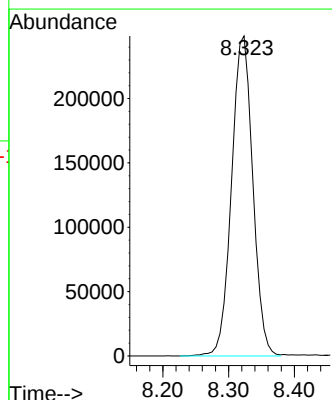
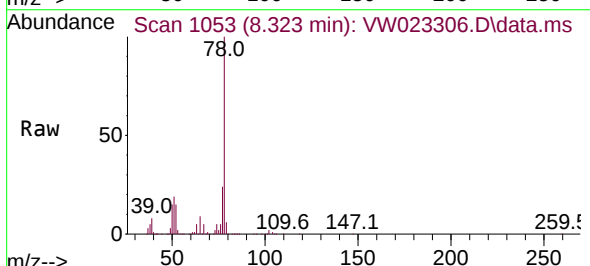
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

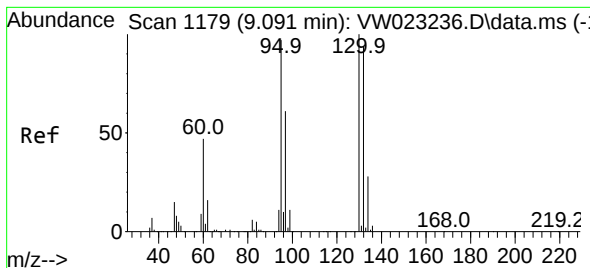
Tgt Ion:117 Resp: 215020
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0



#33
Benzene
Concen: 27.395 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 78 Resp: 558716





#34

Trichloroethene

Concen: 27.673 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

Tgt Ion: 95 Resp: 155210

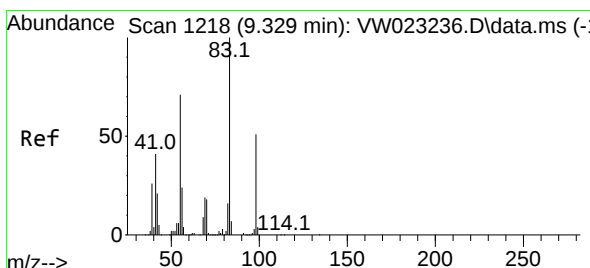
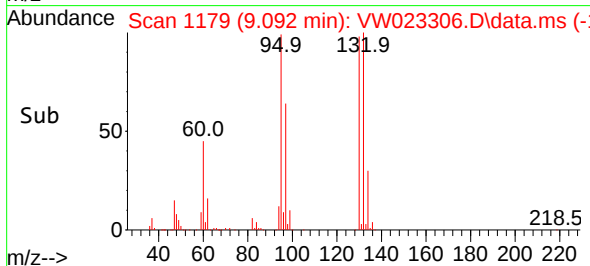
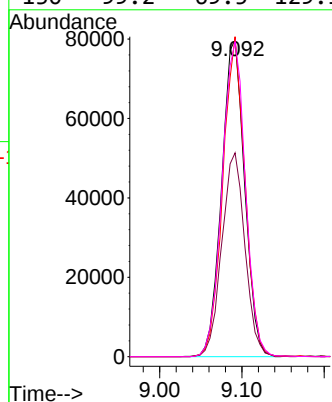
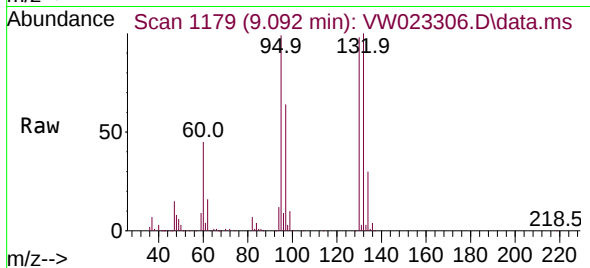
Ion Ratio Lower Upper

95 100

97 64.3 46.1 85.7

132 100.9 66.9 124.3

130 99.2 69.5 129.1



#35

Methylcyclohexane

Concen: 28.708 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

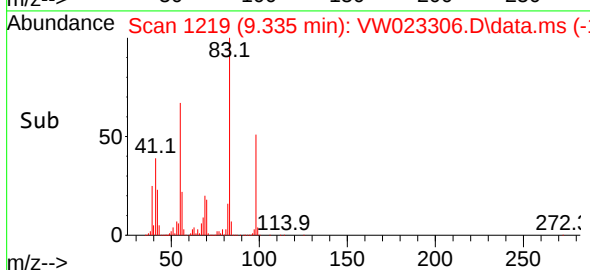
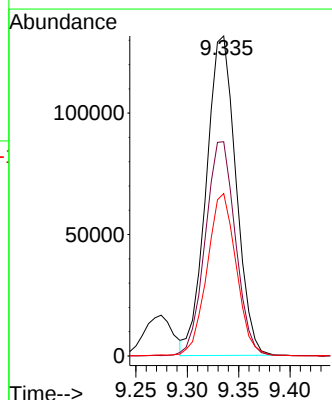
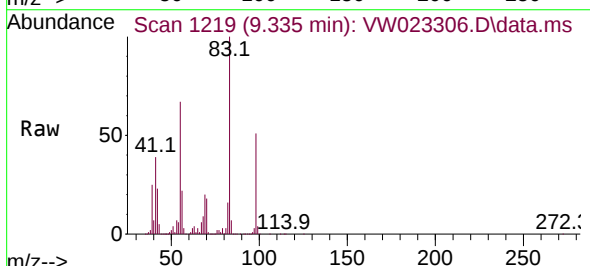
Tgt Ion: 83 Resp: 264513

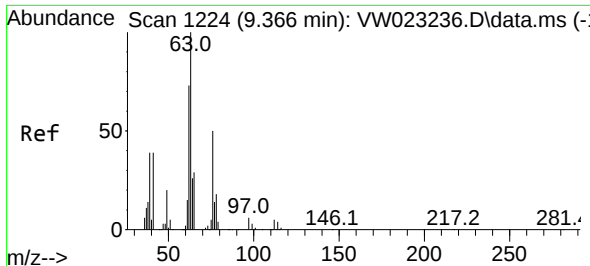
Ion Ratio Lower Upper

83 100

55 68.2 55.1 82.7

98 50.1 40.4 60.6





#37

1,2-Dichloropropane

Concen: 26.935 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

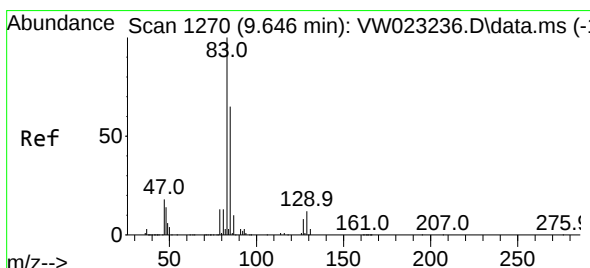
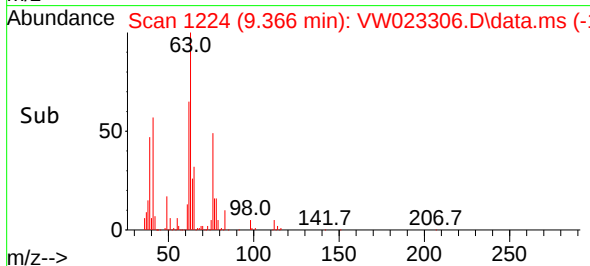
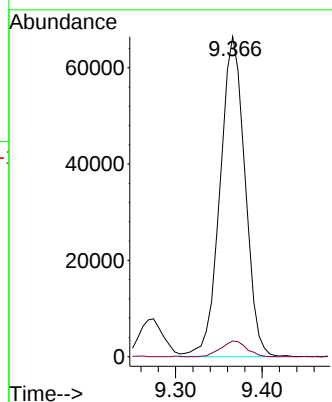
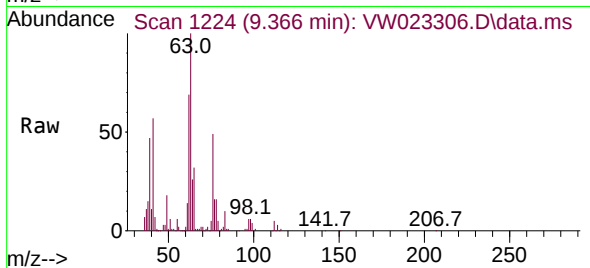
VSTD025551

Tgt Ion: 63 Resp: 132935

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 26.969 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

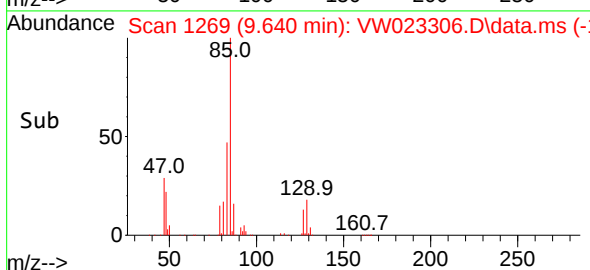
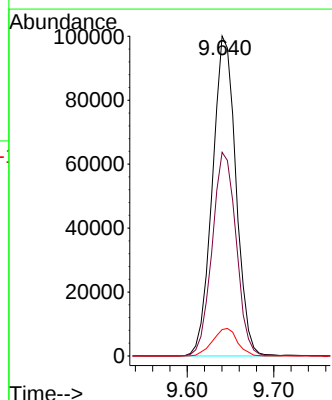
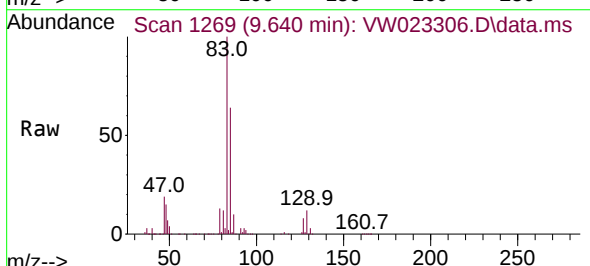
Tgt Ion: 83 Resp: 189052

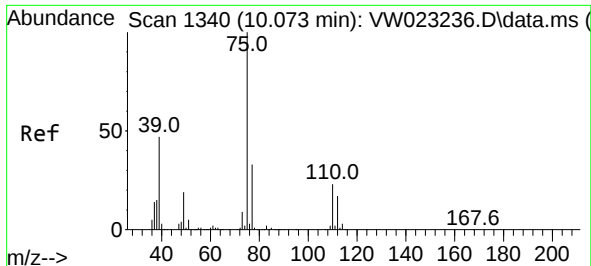
Ion Ratio Lower Upper

83 100

85 63.7 43.5 80.7

127 8.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 27.903 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

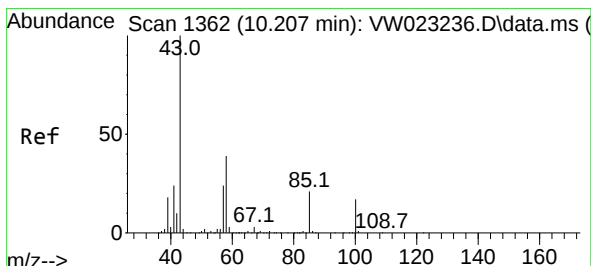
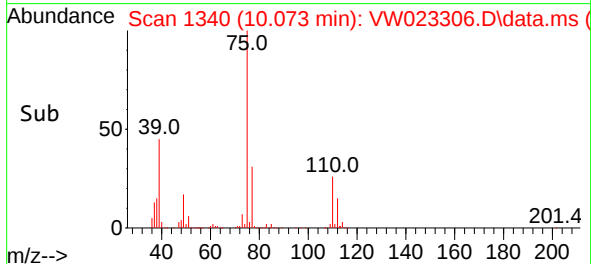
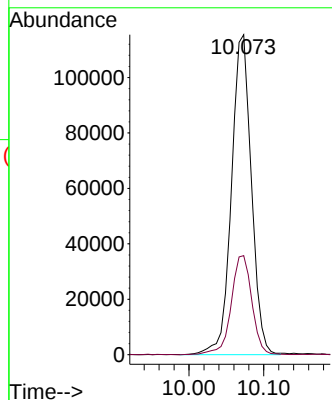
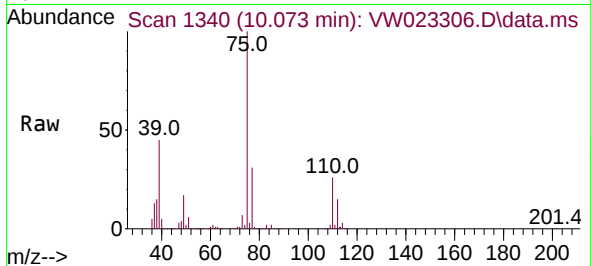
VSTD025551

Tgt Ion: 75 Resp: 213533

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 47.697 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

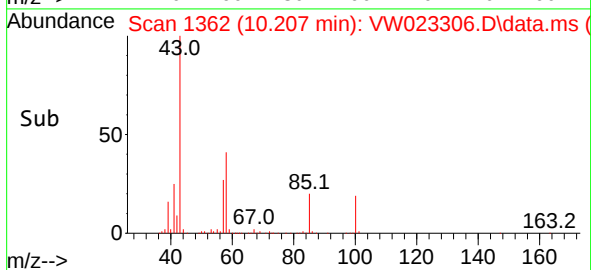
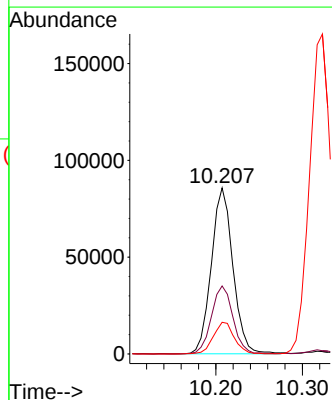
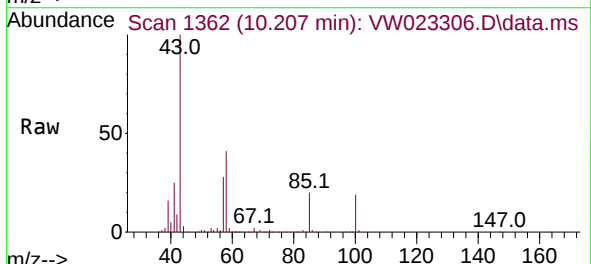
Tgt Ion: 43 Resp: 148375

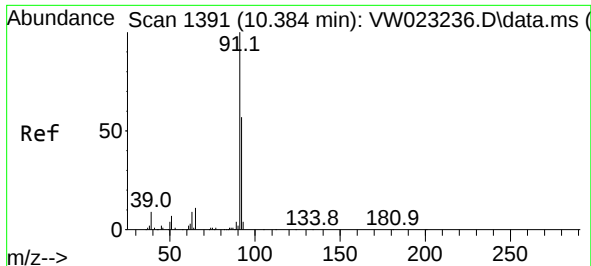
Ion Ratio Lower Upper

43 100

58 41.1 31.4 47.2

100 18.7 14.2 21.4

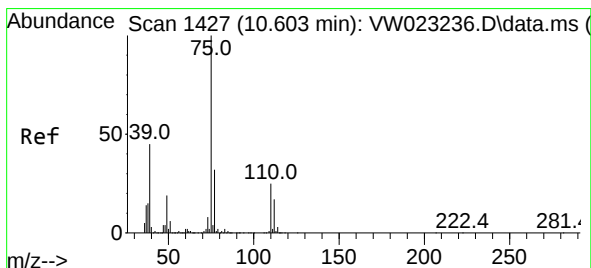
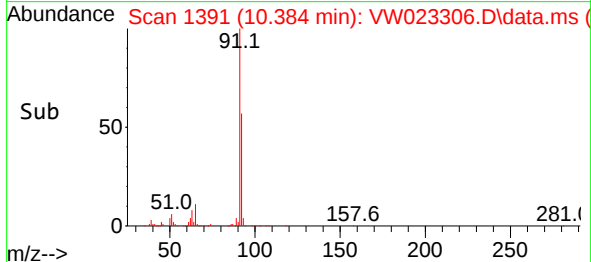
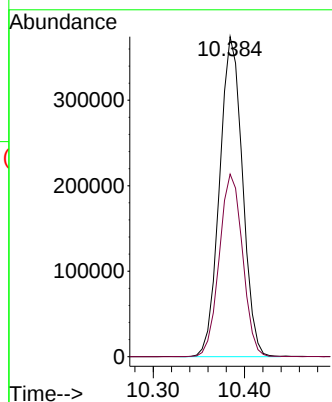
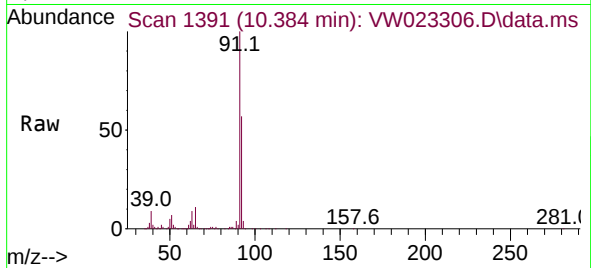




#42
Toluene
Concen: 28.574 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

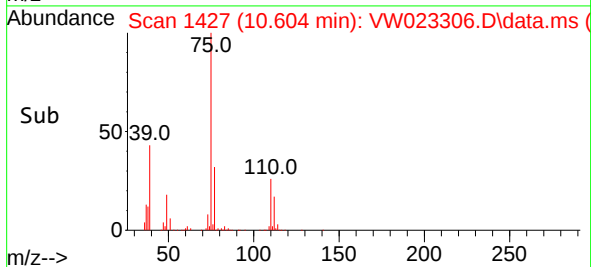
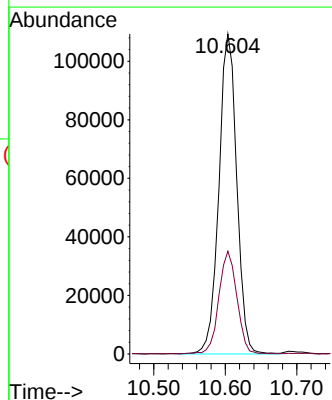
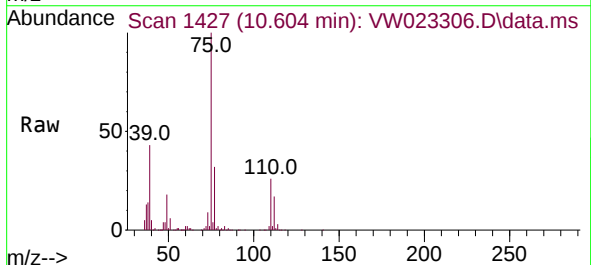
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

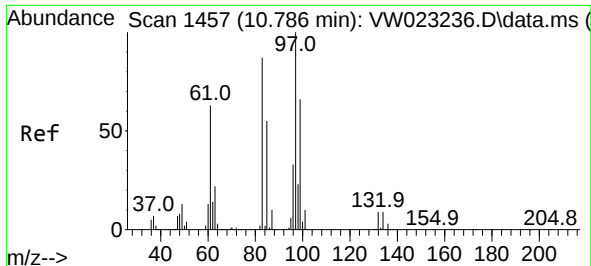
Tgt Ion: 91 Resp: 653091
Ion Ratio Lower Upper
91 100
92 57.1 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 27.782 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 75 Resp: 189762
Ion Ratio Lower Upper
75 100
77 32.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 26.463 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

Tgt Ion: 97 Resp: 109182

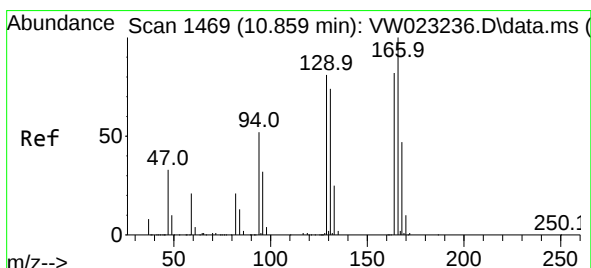
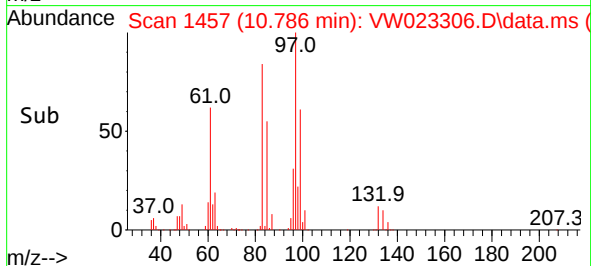
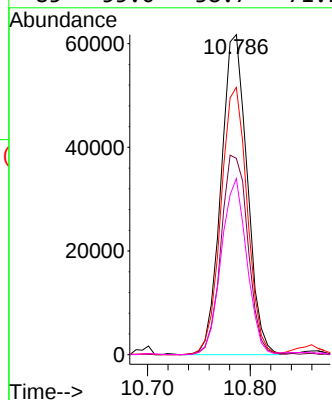
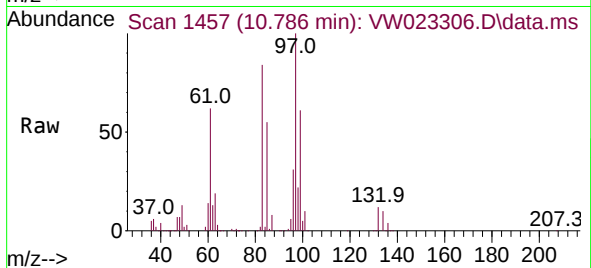
Ion Ratio Lower Upper

97 100

99 61.4 44.7 82.9

83 83.5 58.4 108.4

85 55.0 38.7 71.9



#46

Tetrachloroethene

Concen: 30.182 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Tgt Ion:164 Resp: 127217

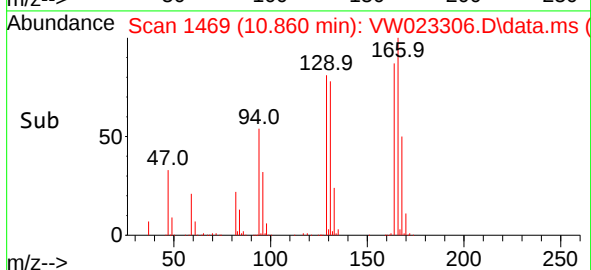
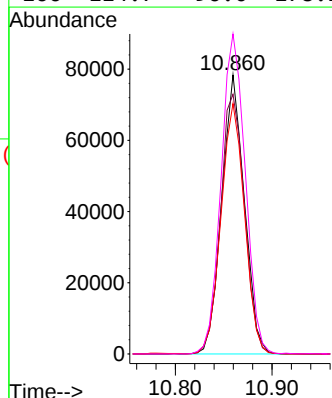
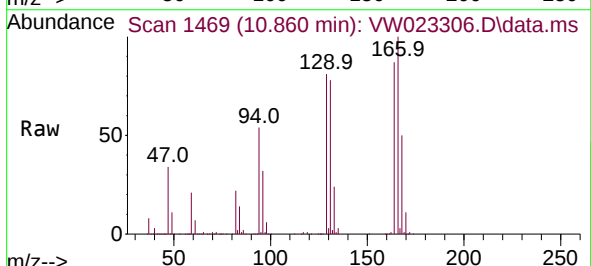
Ion Ratio Lower Upper

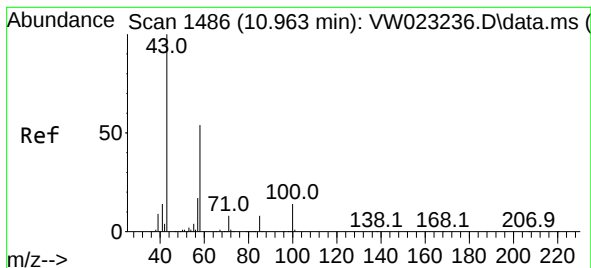
164 100

129 93.1 76.9 142.7

131 89.7 75.1 139.5

166 114.7 96.0 178.2





#48

2-Hexanone

Concen: 52.164 ug/L

RT: 10.963 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

Tgt Ion: 43 Resp: 108421

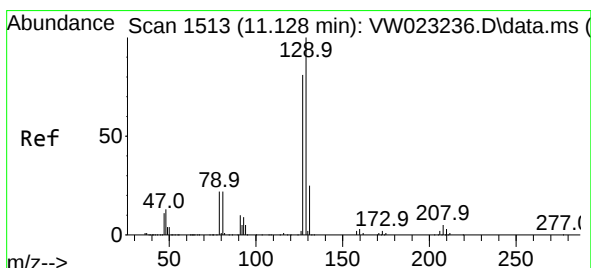
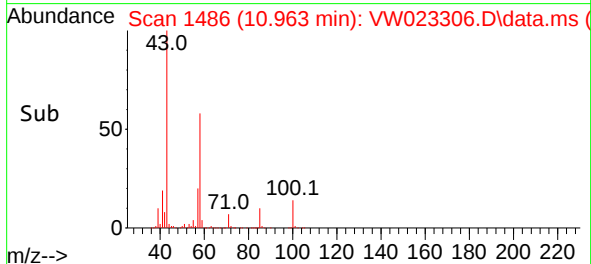
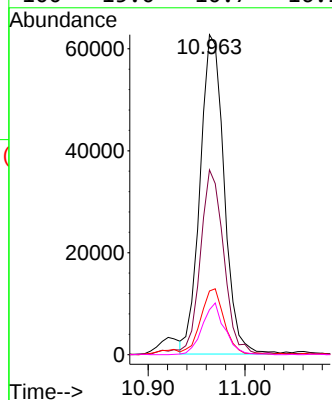
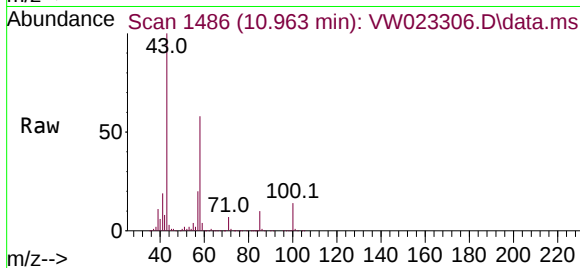
Ion Ratio Lower Upper

43 100

58 57.4 45.9 68.9

57 20.1 16.2 24.2

100 15.0 10.7 16.1



#49

Dibromochloromethane

Concen: 27.341 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW023306.D

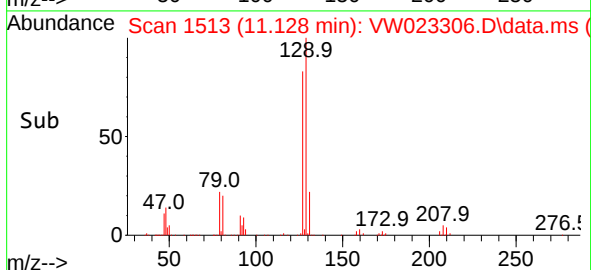
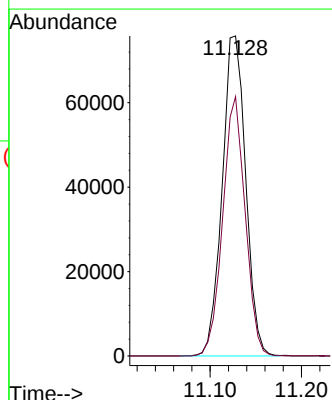
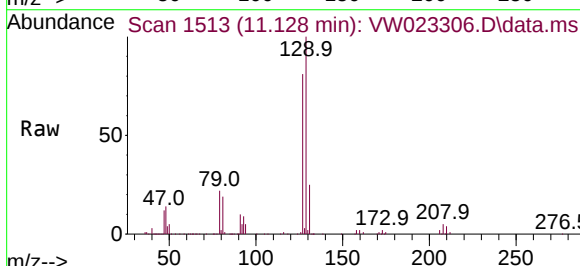
Acq: 25 May 2022 08:33

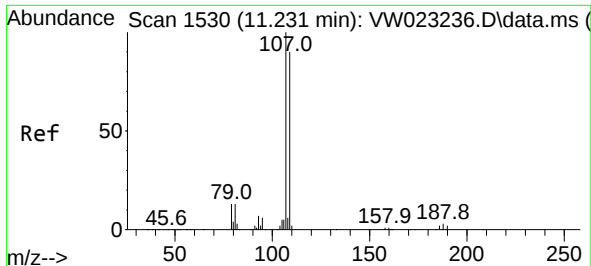
Tgt Ion: 129 Resp: 135765

Ion Ratio Lower Upper

129 100

127 81.1 53.8 100.0





#50

1,2-Dibromoethane

Concen: 25.824 ug/L

RT: 11.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

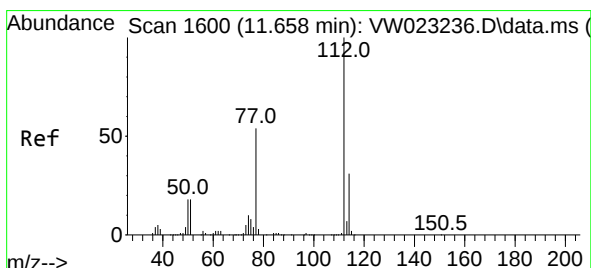
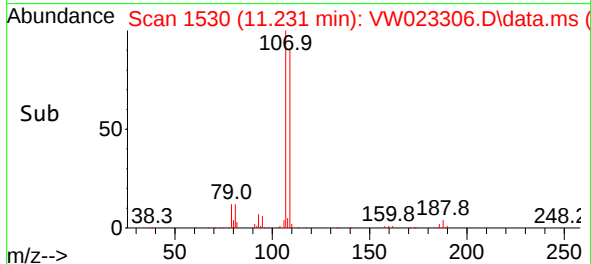
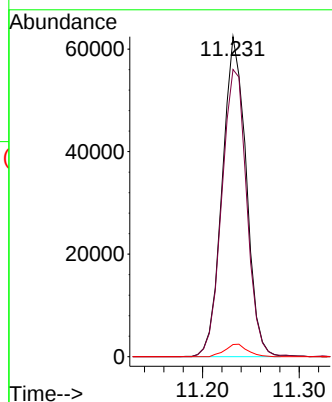
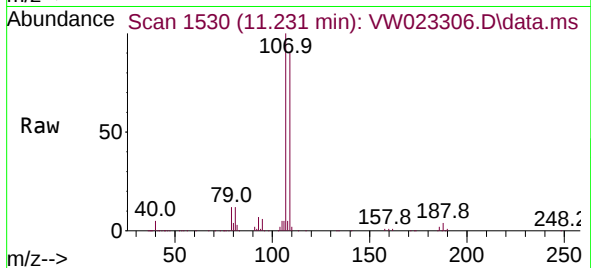
Tgt Ion:107 Resp: 106983

Ion Ratio Lower Upper

107 100

109 89.8 67.5 125.4

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 28.307 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

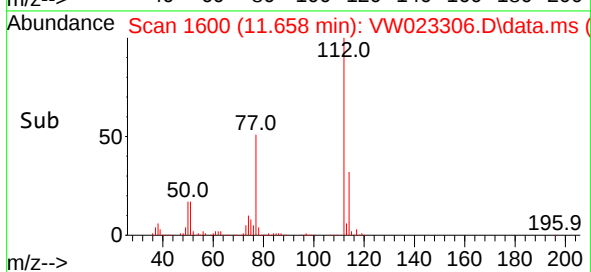
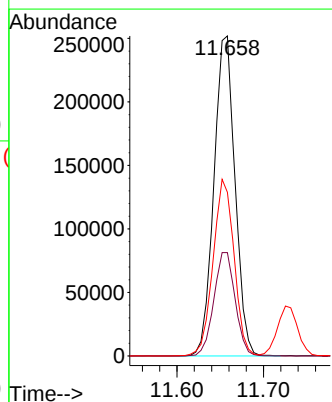
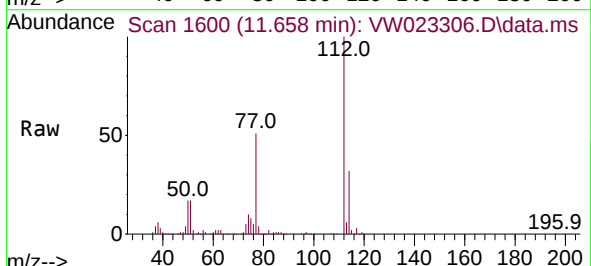
Tgt Ion:112 Resp: 426523

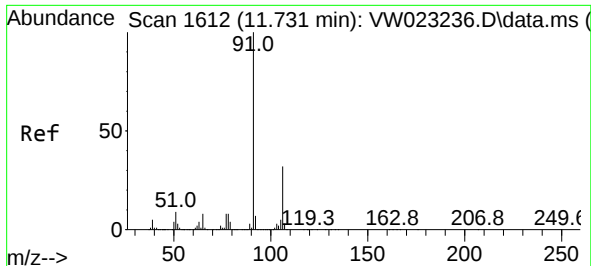
Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

77 51.2 42.6 63.8

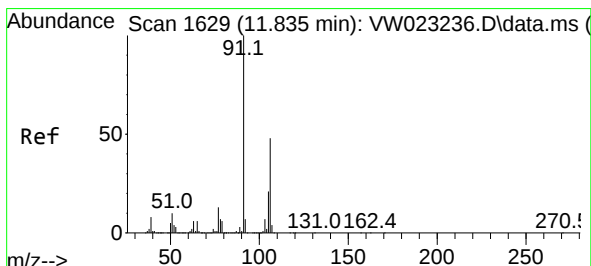
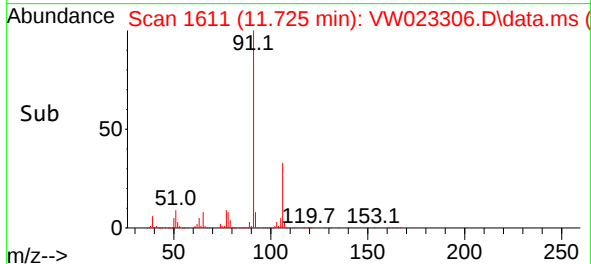
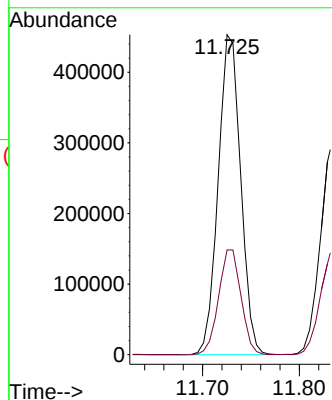
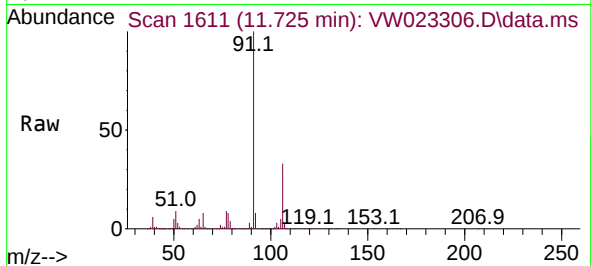




#52
Ethylbenzene
Concen: 28.767 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

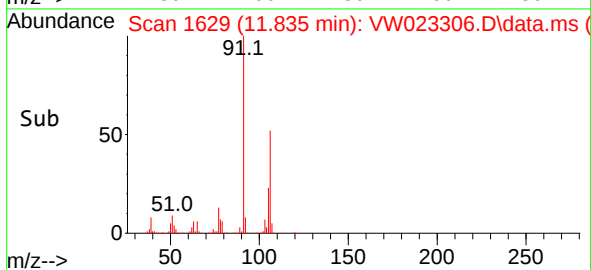
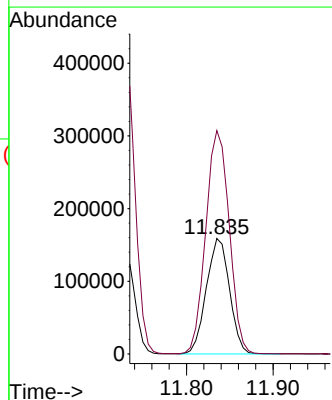
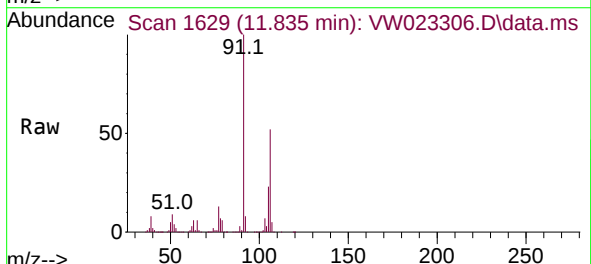
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

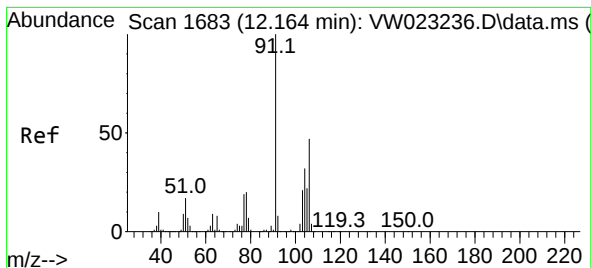
Tgt Ion: 91 Resp: 731468
Ion Ratio Lower Upper
91 100
106 32.7 22.3 41.3



#53
m,p-Xylene
Concen: 29.485 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion: 106 Resp: 295415
Ion Ratio Lower Upper
106 100
91 193.4 136.8 254.0





#54

o-Xylene

Concen: 29.110 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

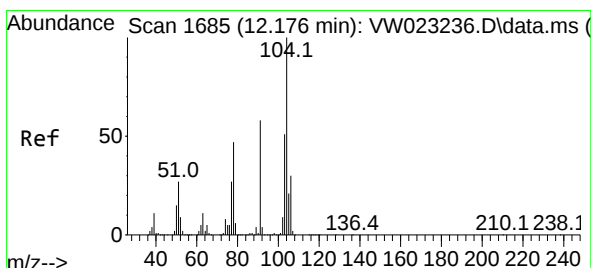
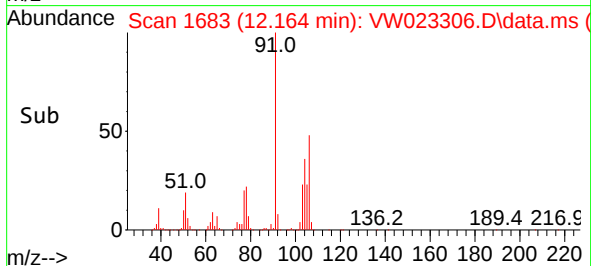
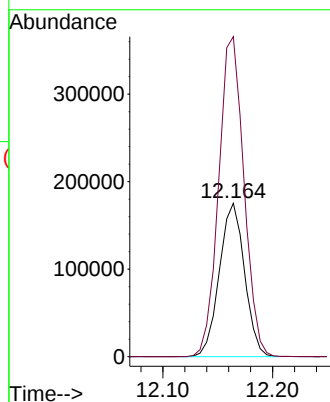
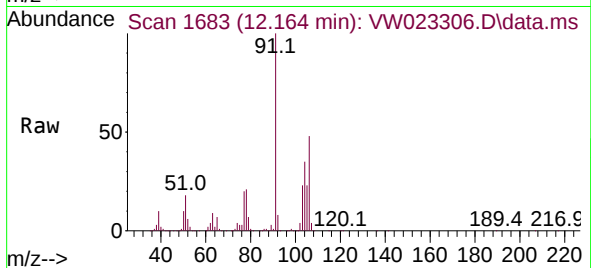
VSTD025551

Tgt Ion:106 Resp: 279880

Ion Ratio Lower Upper

106 100

91 208.5 147.2 273.4



#55

Styrene

Concen: 29.421 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW023306.D

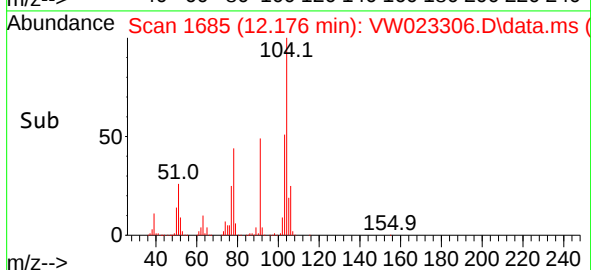
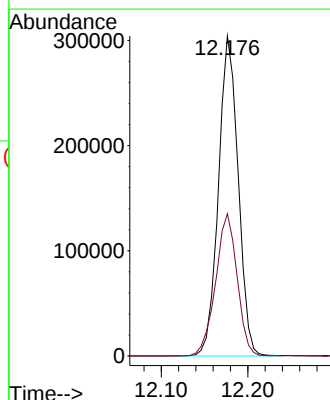
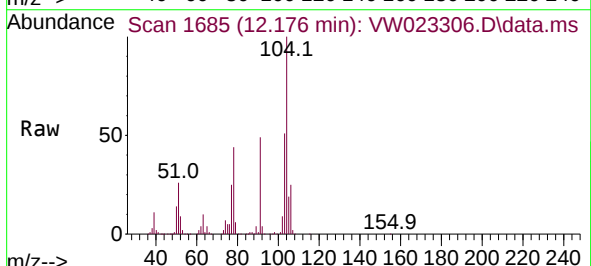
Acq: 25 May 2022 08:33

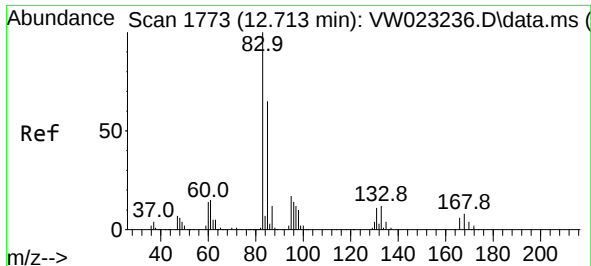
Tgt Ion:104 Resp: 480659

Ion Ratio Lower Upper

104 100

78 44.4 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 24.974 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

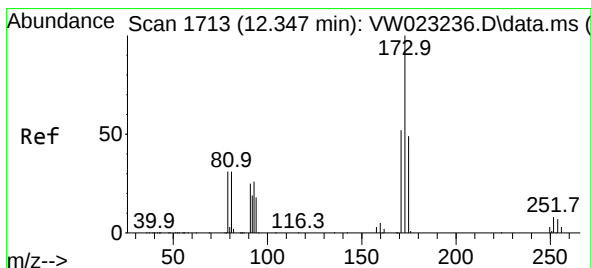
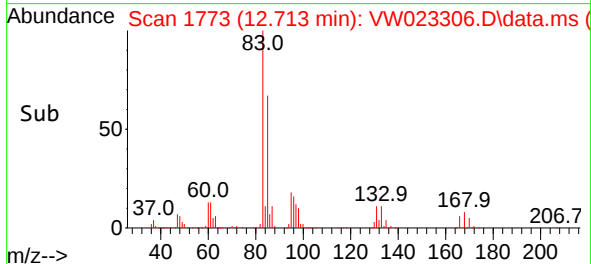
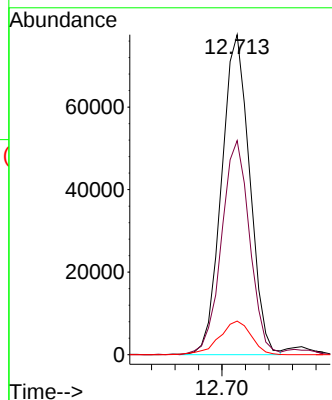
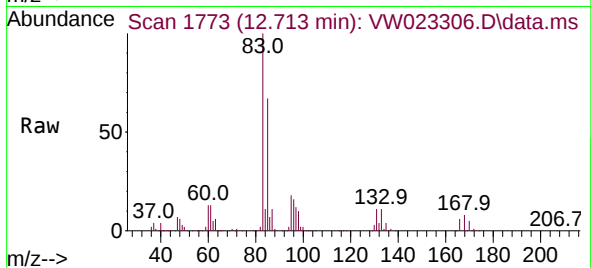
Tgt Ion: 83 Resp: 128698

Ion Ratio Lower Upper

83 100

85 66.9 47.5 88.1

131 10.5 8.7 13.1



#59

Bromoform

Concen: 25.413 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

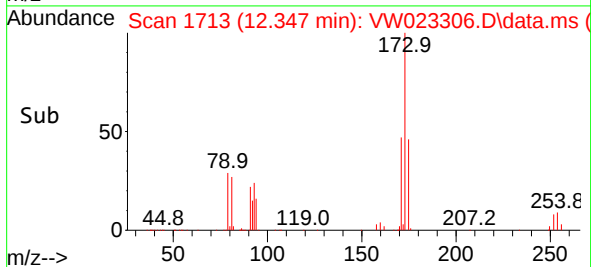
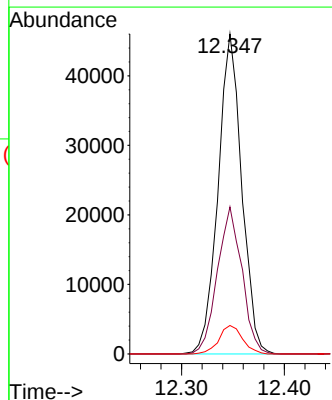
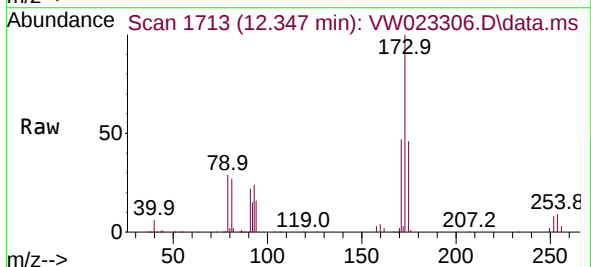
Tgt Ion:173 Resp: 73556

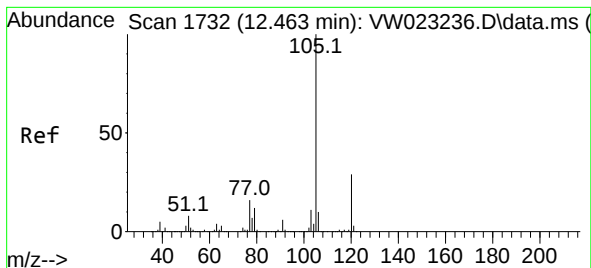
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.9 6.5 9.7





#60

Isopropylbenzene

Concen: 28.272 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

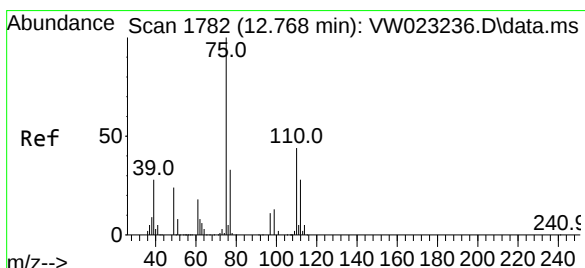
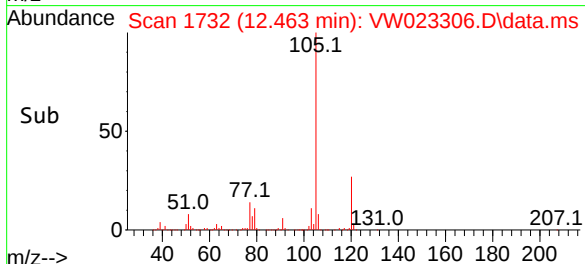
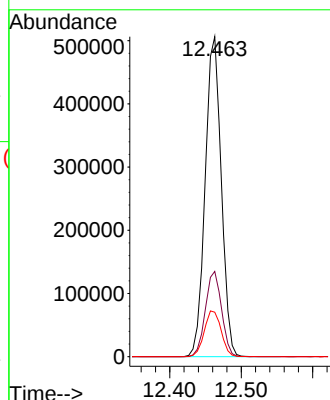
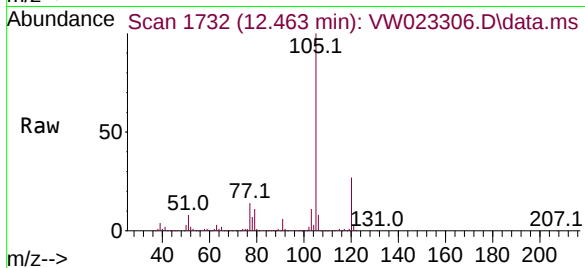
Tgt Ion:105 Resp: 791056

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

77 15.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 22.842 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

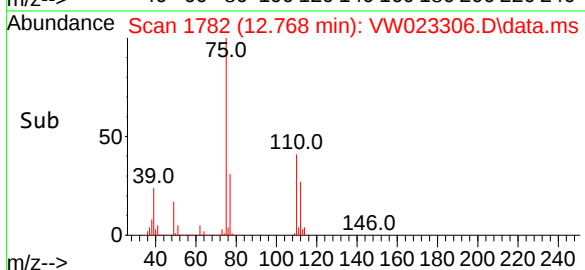
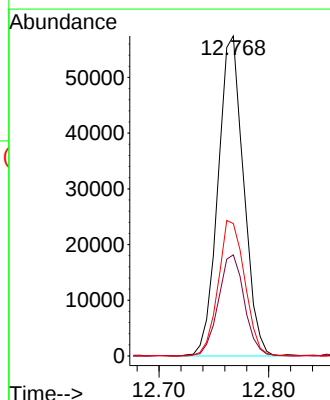
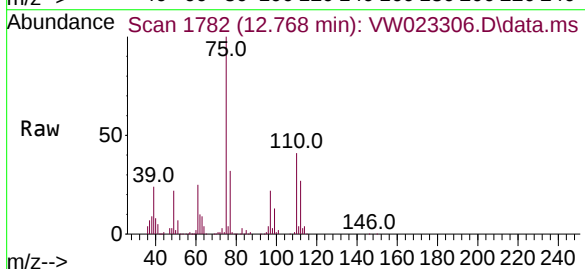
Tgt Ion: 75 Resp: 93216

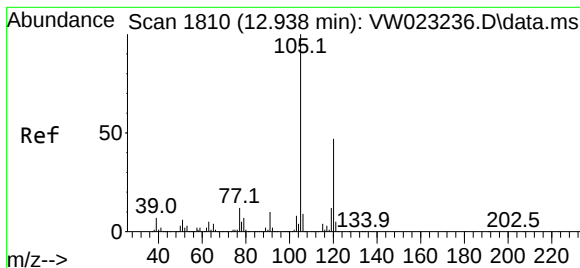
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

110 43.9 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 27.794 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

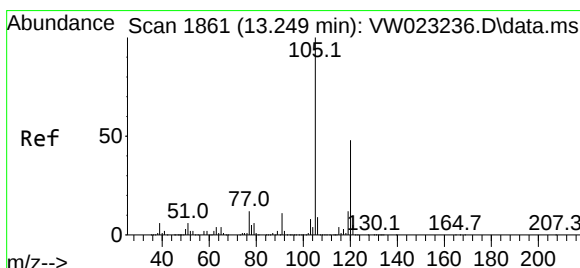
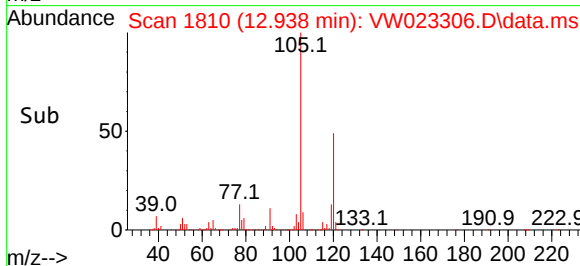
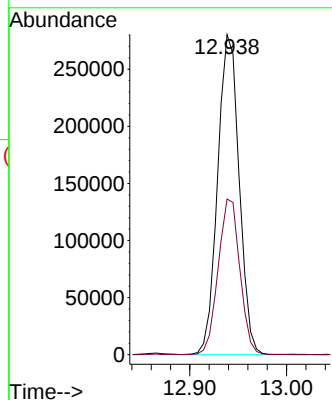
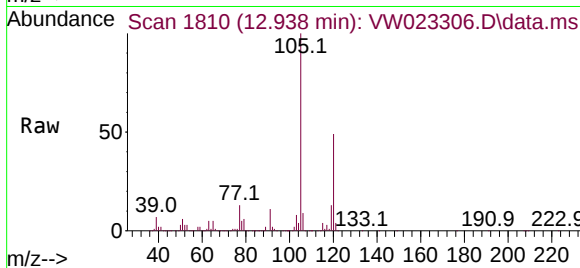
VSTD025551

Tgt Ion:105 Resp: 432655

Ion Ratio Lower Upper

105 100

120 49.0 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 27.801 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023306.D

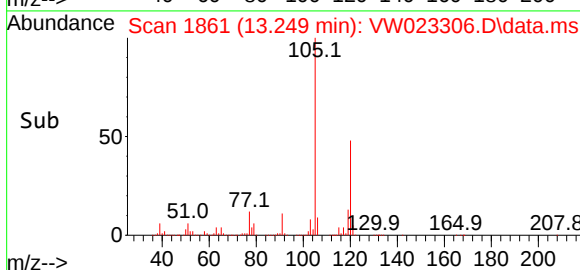
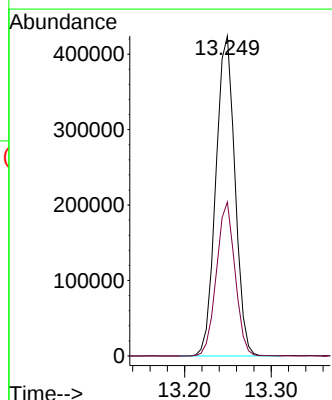
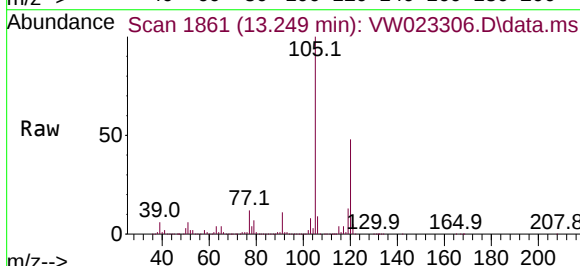
Acq: 25 May 2022 08:33

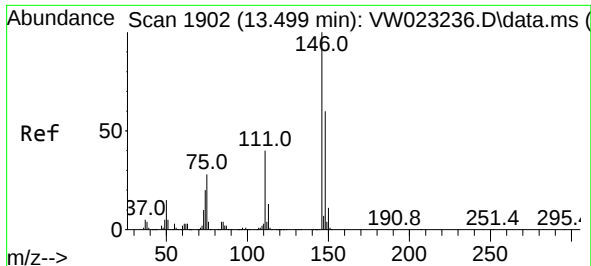
Tgt Ion:105 Resp: 649804

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.2

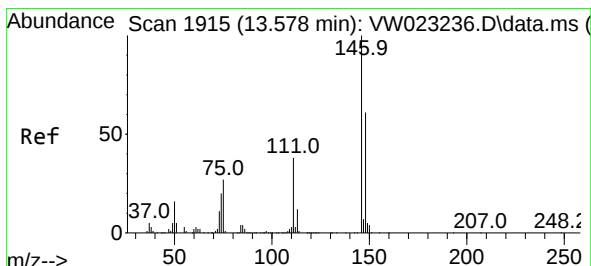
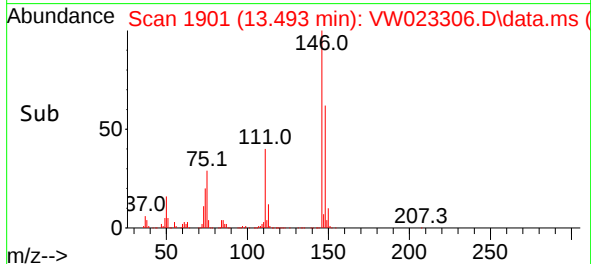
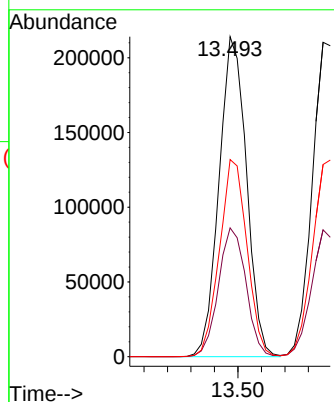
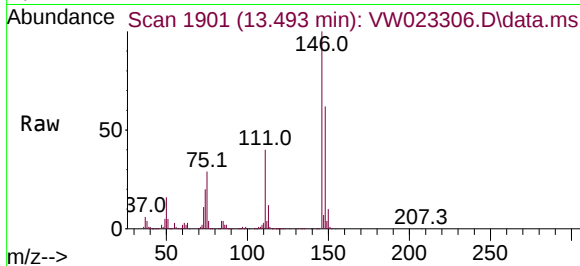




#64
1,3-Dichlorobenzene
Concen: 27.818 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

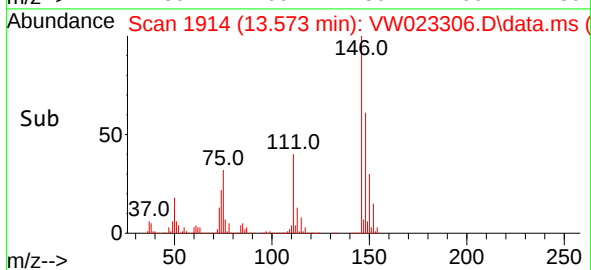
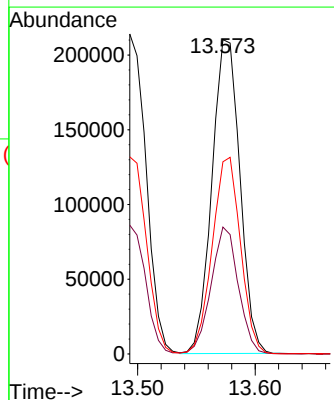
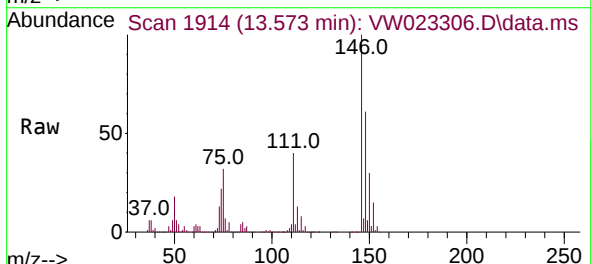
Instrument :
MSVOA_W
ClientSampleId :
VSTD025551

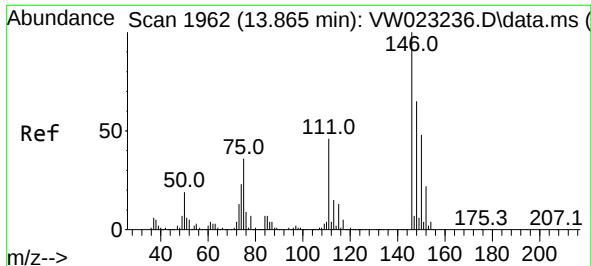
Tgt Ion:146 Resp: 347509
Ion Ratio Lower Upper
146 100
111 40.3 29.5 54.9
148 61.6 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 26.963 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW023306.D
Acq: 25 May 2022 08:33

Tgt Ion:146 Resp: 347913
Ion Ratio Lower Upper
146 100
111 40.3 27.2 50.4
148 61.1 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 27.532 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

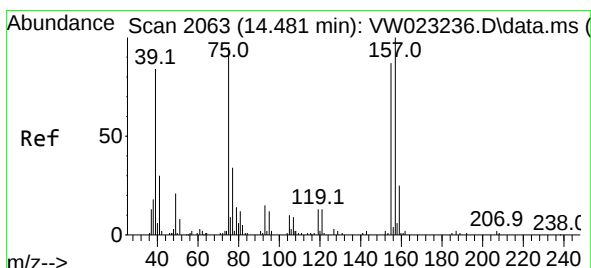
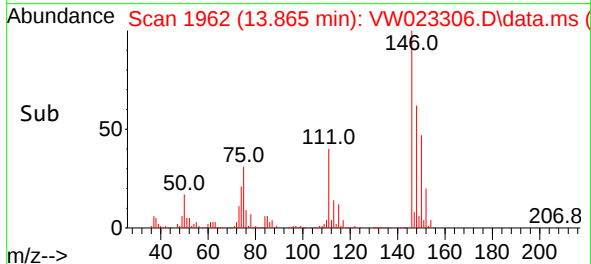
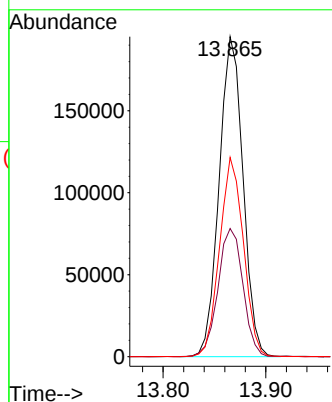
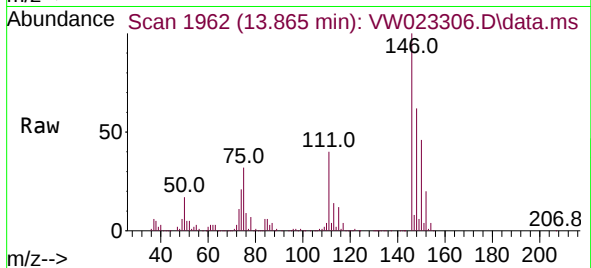
Tgt Ion:146 Resp: 314725

Ion Ratio Lower Upper

146 100

111 40.1 35.7 53.5

148 62.2 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.560 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

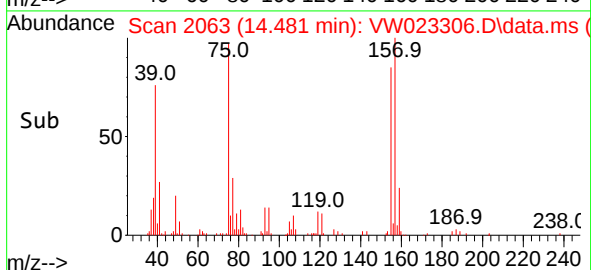
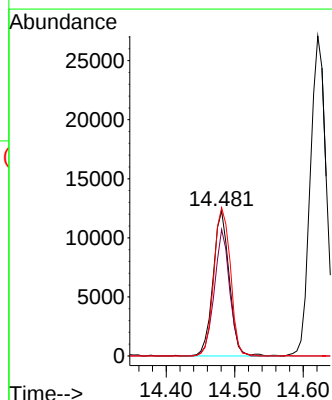
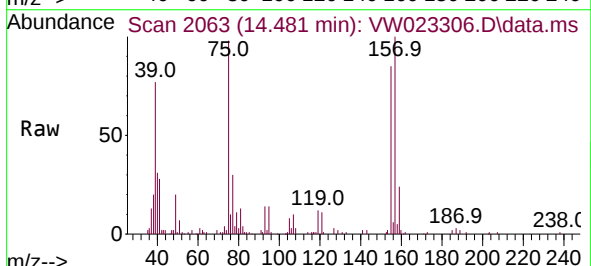
Tgt Ion: 75 Resp: 20121

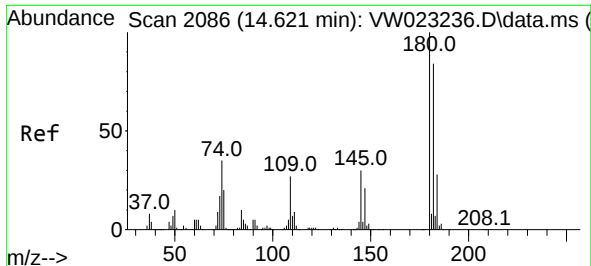
Ion Ratio Lower Upper

75 100

155 87.2 59.3 88.9

157 102.4 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 28.509 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

Tgt Ion:180 Resp: 236402

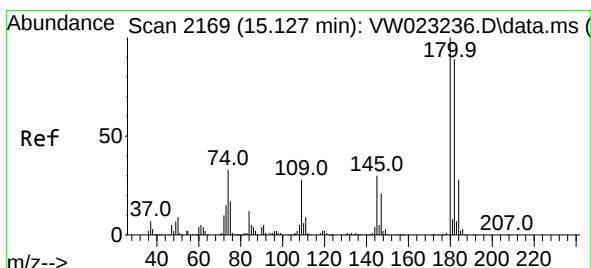
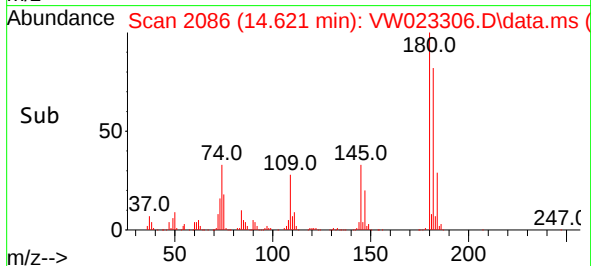
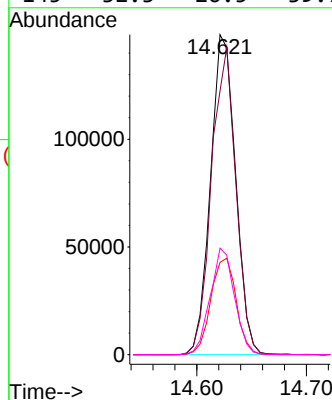
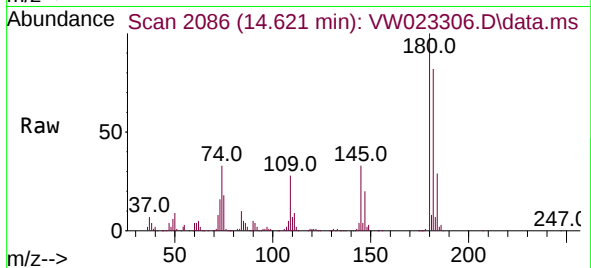
Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

184 30.6 23.4 35.2

145 32.3 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 28.752 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

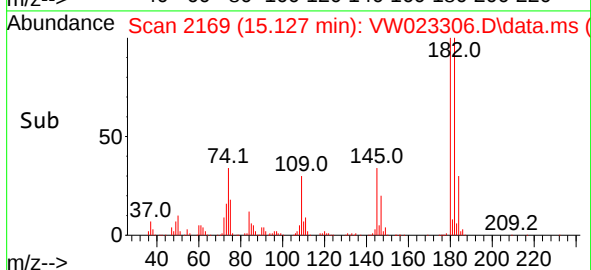
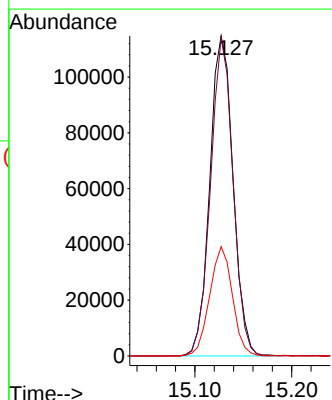
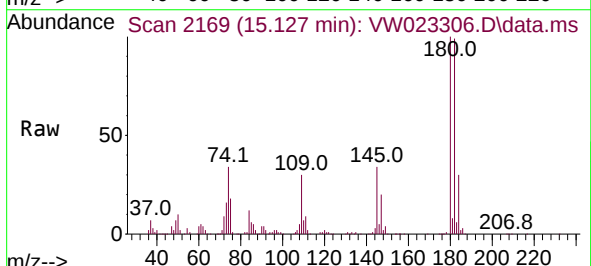
Tgt Ion:180 Resp: 191784

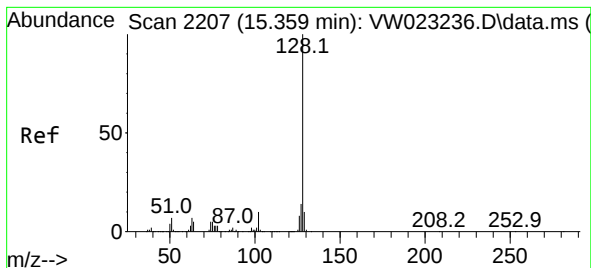
Ion Ratio Lower Upper

180 100

182 96.0 74.9 112.3

145 33.3 26.6 39.8





#71

Naphthalene

Concen: 25.779 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD025551

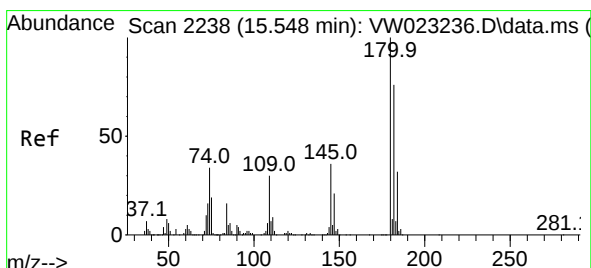
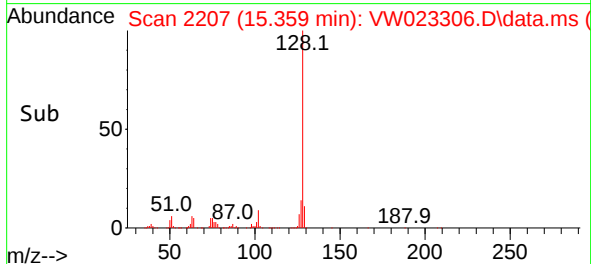
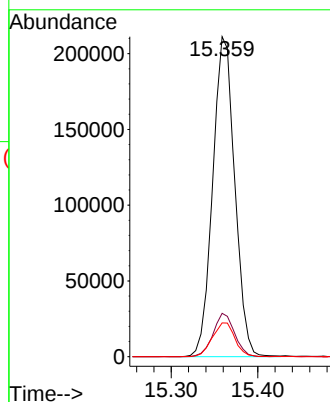
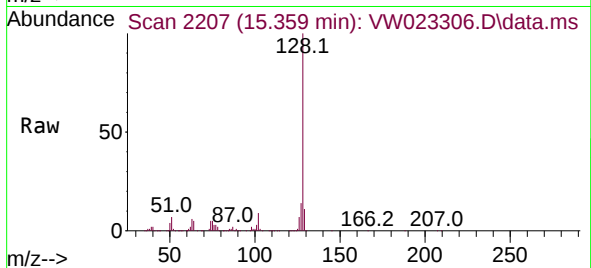
Tgt Ion:128 Resp: 373748

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 27.280 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW023306.D

Acq: 25 May 2022 08:33

Tgt Ion:180 Resp: 161281

Ion Ratio Lower Upper

180 100

182 96.1 73.5 110.3

145 36.3 27.9 41.9

