

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052022\
 Data File : VW023186.D
 Acq On : 20 May 2022 09:30
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025543

Quant Time: May 20 22:55:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 20 01:47:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	376407	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	363436	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	206964	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	140916	18.247	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.000%
7) Chloroethane-d5	2.885	69	97495	19.405	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.640%
11) 1,1-Dichloroethene-d2	4.019	63	205949	20.639	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.560%
21) 2-Butanone-d5	7.074	46	54415	37.060	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.120%
24) Chloroform-d	7.647	84	246512	22.354	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	8.305	65	128145	21.187	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.760%
32) Benzene-d6	8.275	84	477877	22.812	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.240%
36) 1,2-Dichloropropane-d6	9.275	67	135441	23.017	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.080%
41) Toluene-d8	10.323	98	461874	22.824	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.280%
43) trans-1,3-Dichloroprop...	10.573	79	57637	21.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.080%
47) 2-Hexanone-d5	10.921	63	45017	40.075	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.140%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	116348	21.213	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.840%
66) 1,2-Dichlorobenzene-d4	13.853	152	168218	23.251	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	70146	34.186	ug/L	96
3) Chloromethane	2.215	50	118035	29.768	ug/L	99
5) Vinyl chloride	2.361	62	179940	22.612	ug/L	97
6) Bromomethane	2.776	94	105983	20.743	ug/L	89
8) Chloroethane	2.922	64	87864	22.893	ug/L	99
9) Trichlorofluoromethane	3.257	101	87461	24.047	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	136740	25.144	ug/L	97
12) 1,1-Dichloroethene	4.044	96	116478	24.161	ug/L	85
13) Acetone	4.117	43	34474	31.360	ug/L	93
14) Carbon disulfide	4.379	76	318435	24.093	ug/L	99
15) Methyl Acetate	4.672	43	46553	21.079	ug/L	100
16) Methylene chloride	4.916	84	131567	23.887	ug/L	99
17) trans-1,2-Dichloroethene	5.422	96	134301	24.755	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	200292	24.184	ug/L	99
19) 1,1-Dichloroethane	6.214	63	225532	24.528	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	145666	24.998	ug/L #	98
22) 2-Butanone	7.171	43	59810	38.904	ug/L	98
23) Bromochloromethane	7.519	128	66811	24.482	ug/L	90
25) Chloroform	7.677	83	254604	25.042	ug/L	97

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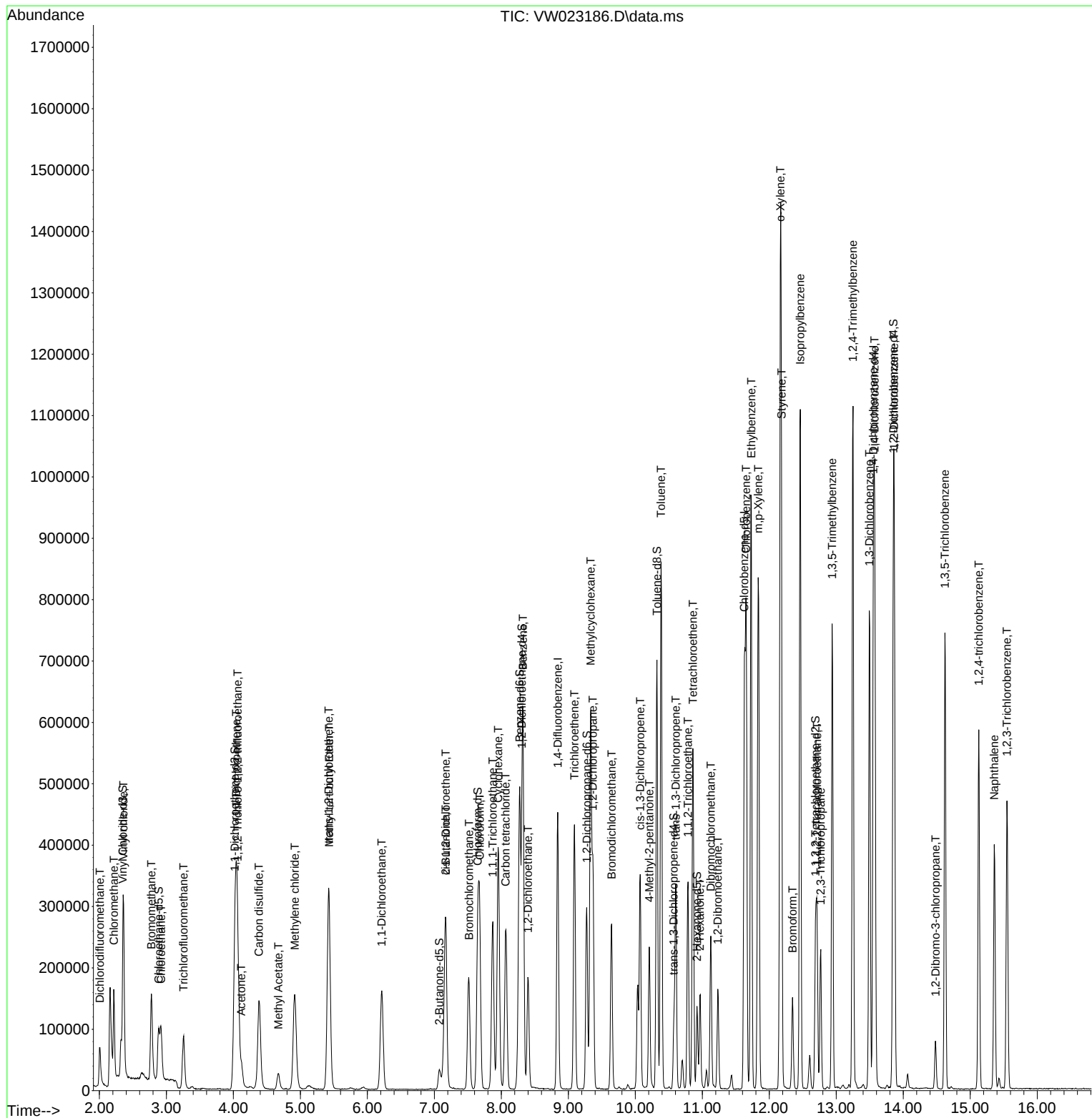
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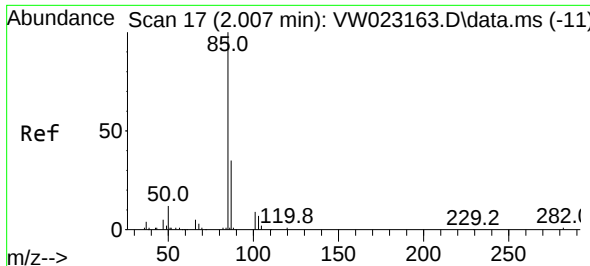
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	161904	23.889	ug/L	100
29) Cyclohexane	7.952	56	209833	26.696	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	216827	25.246	ug/L	99
31) Carbon tetrachloride	8.061	117	198354	24.689	ug/L	99
33) Benzene	8.324	78	545703	25.488	ug/L	100
34) Trichloroethene	9.092	95	149177	25.335	ug/L	96
35) Methylcyclohexane	9.336	83	257373	26.608	ug/L	99
37) 1,2-Dichloropropane	9.366	63	126463	24.408	ug/L	99
38) Bromodichloromethane	9.646	83	174668	23.735	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	199563	24.840	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	143980	44.089	ug/L	99
42) Toluene	10.384	91	627848	26.167	ug/L	97
44) trans-1,3-Dichloropropene	10.604	75	177281	24.723	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	103773	23.959	ug/L	96
46) Tetrachloroethene	10.860	164	118165	26.704	ug/L	86
48) 2-Hexanone	10.963	43	97085	44.494	ug/L	97
49) Dibromochloromethane	11.128	129	124551	23.893	ug/L	98
50) 1,2-Dibromoethane	11.232	107	102064	23.468	ug/L	99
51) Chlorobenzene	11.652	112	405025	25.605	ug/L	99
52) Ethylbenzene	11.731	91	695134	26.041	ug/L	99
53) m,p-Xylene	11.835	106	277384	26.372	ug/L	98
54) o-Xylene	12.164	106	265537	26.308	ug/L	97
55) Styrene	12.183	104	454082	26.476	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.713	83	124647	23.041	ug/L	96
59) Bromoform	12.347	173	62069	21.162	ug/L	99
60) Isopropylbenzene	12.463	105	734255	25.897	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	88792	21.472	ug/L	98
62) 1,3,5-Trimethylbenzene	12.939	105	394900	25.035	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	604683	25.530	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	315791	24.946	ug/L	96
65) 1,4-Dichlorobenzene	13.573	146	313641	23.987	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	288279	24.886	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	17307	19.150	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.621	180	215683	25.668	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	171278	25.340	ug/L	99
71) Naphthalene	15.359	128	328467	22.358	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	153717	25.659	ug/L	98

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

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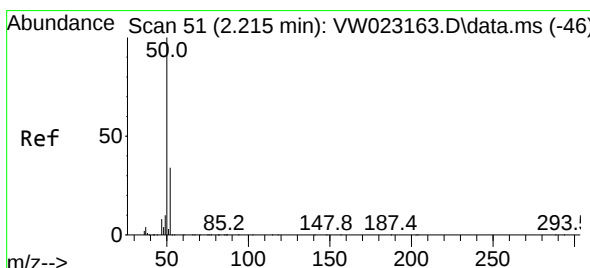
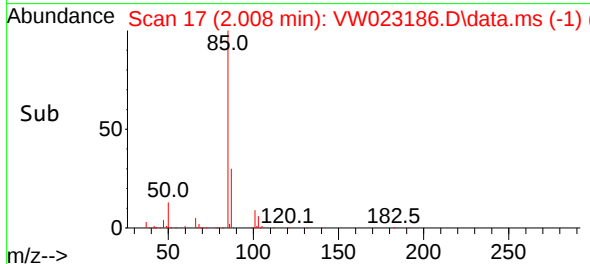
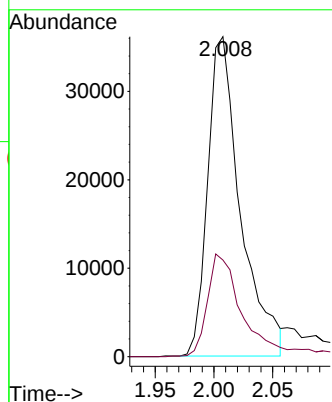
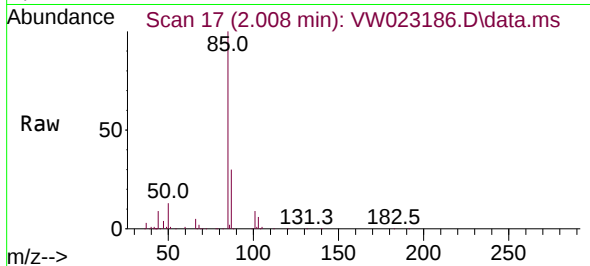




#2
 Dichlorodifluoromethane
 Concen: 34.186 ug/L
 RT: 2.008 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

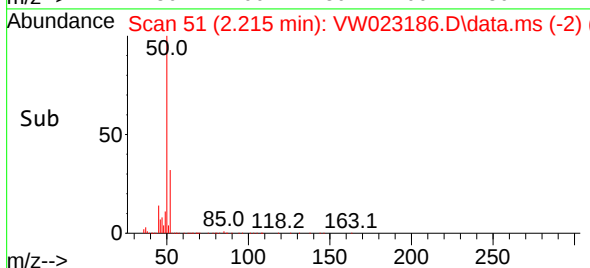
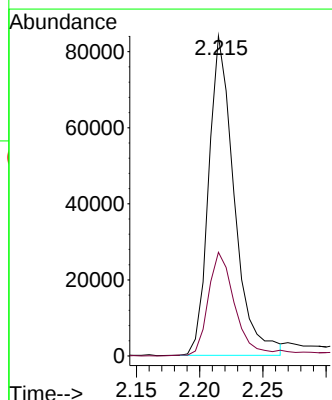
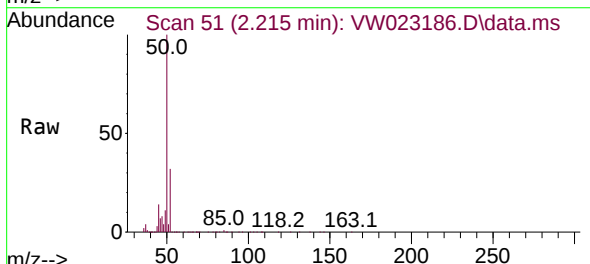
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025543

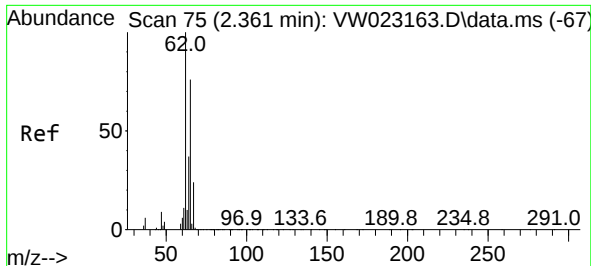
Tgt Ion: 85 Resp: 70146
 Ion Ratio Lower Upper
 85 100
 87 32.6 27.8 41.8



#3
 Chloromethane
 Concen: 29.768 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

Tgt Ion: 50 Resp: 118035
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.1 42.9

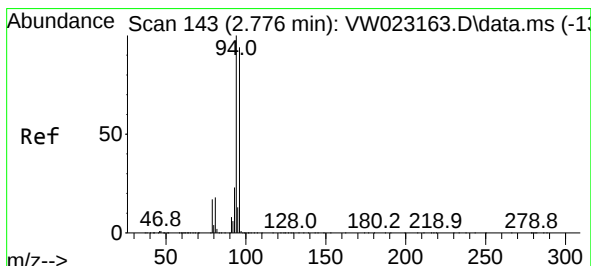
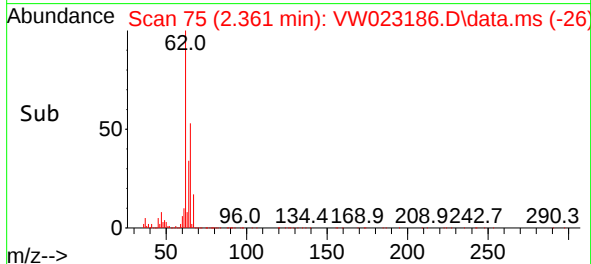
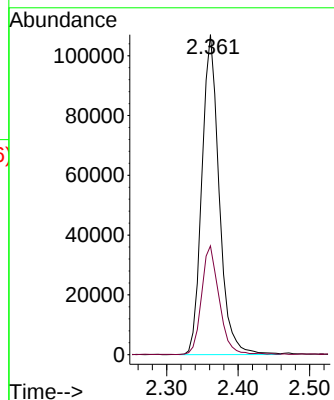
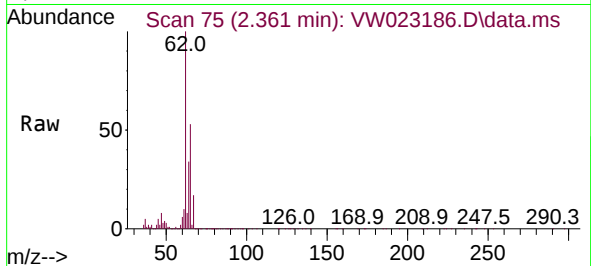




#5
 Vinyl chloride
 Concen: 22.612 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

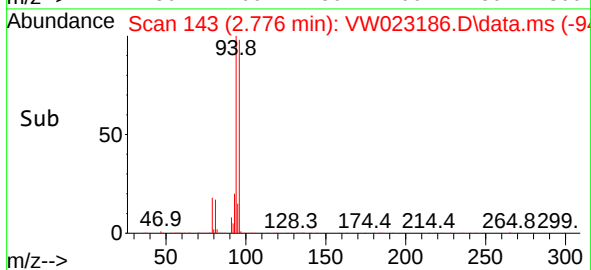
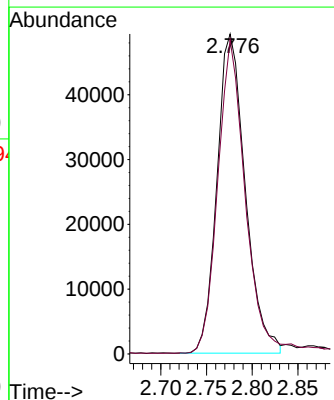
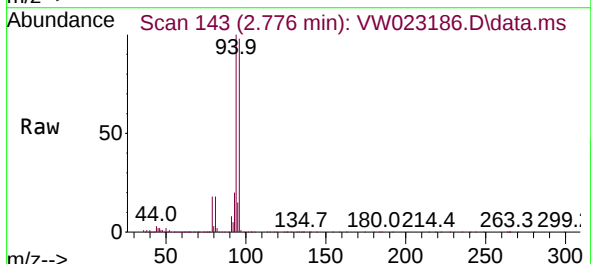
Instrument :
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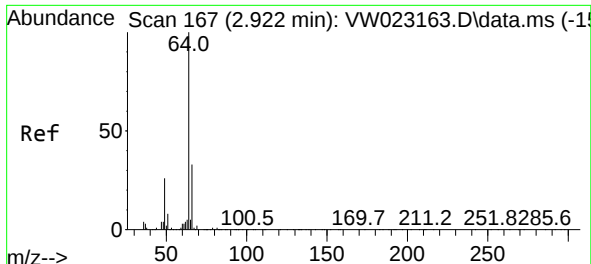
Tgt Ion: 62 Resp: 179940
 Ion Ratio Lower Upper
 62 100
 64 34.0 24.9 46.3



#6
 Bromomethane
 Concen: 20.743 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

Tgt Ion: 94 Resp: 105983
 Ion Ratio Lower Upper
 94 100
 96 98.2 61.7 114.5

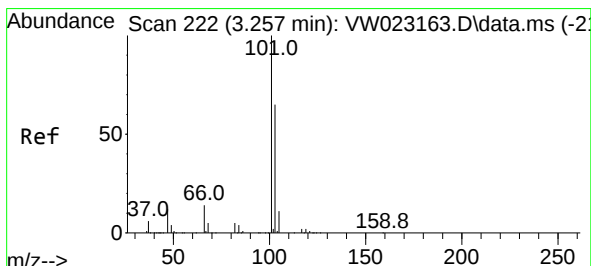
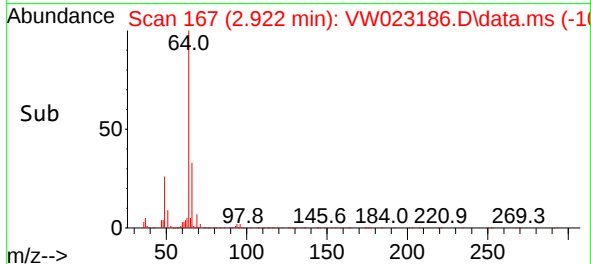
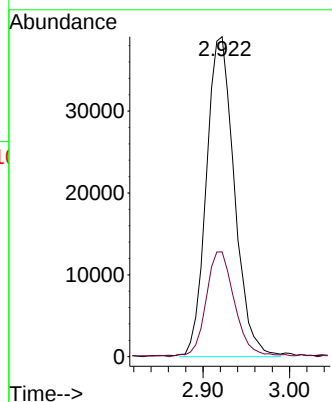
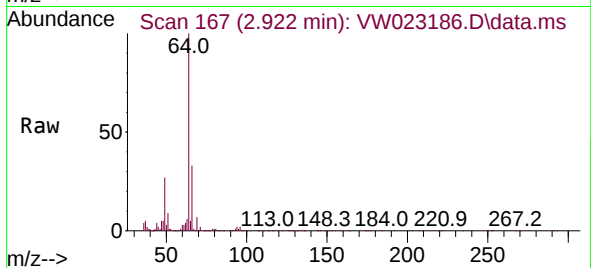




#8
Chloroethane
Concen: 22.893 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

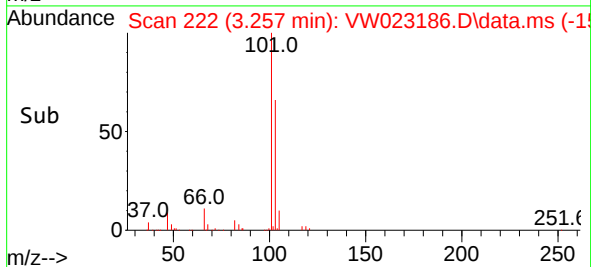
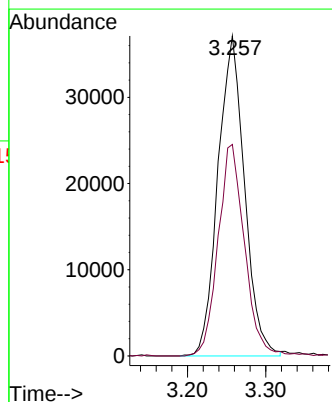
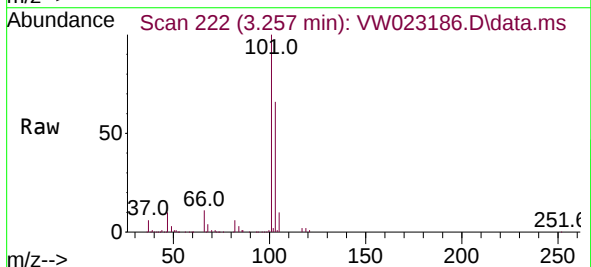
Instrument :
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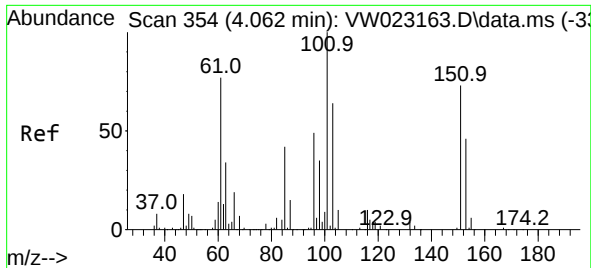
Tgt Ion: 64 Resp: 87864
Ion Ratio Lower Upper
64 100
66 32.7 23.4 43.6



#9
Trichlorofluoromethane
Concen: 24.047 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 101 Resp: 87461
Ion Ratio Lower Upper
101 100
103 65.6 53.9 80.9

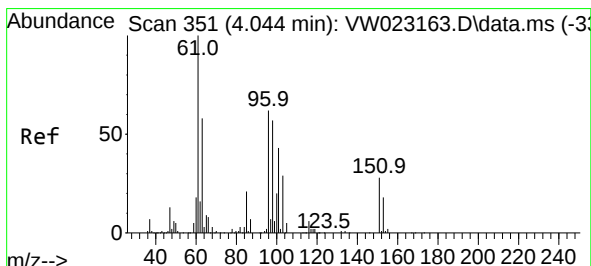
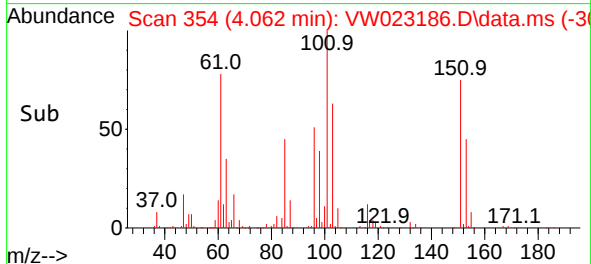
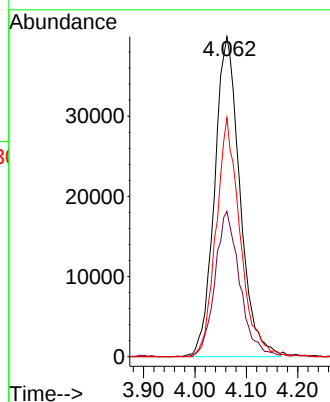
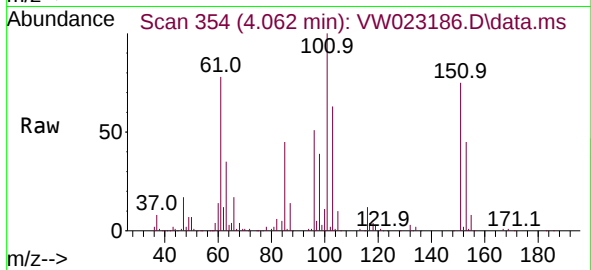




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.144 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

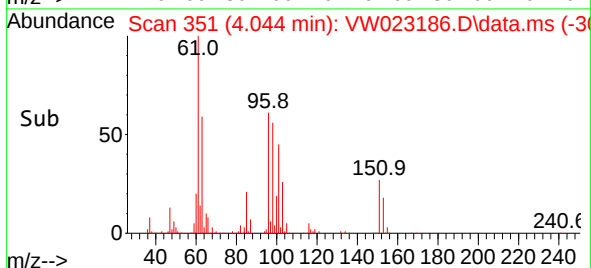
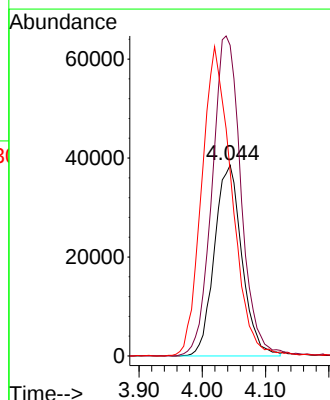
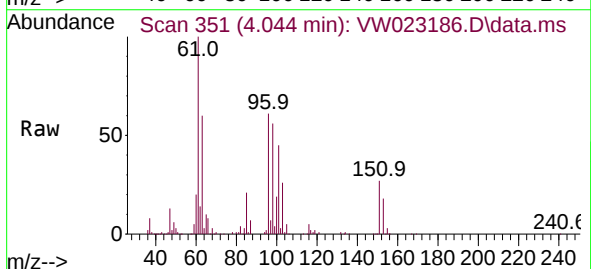
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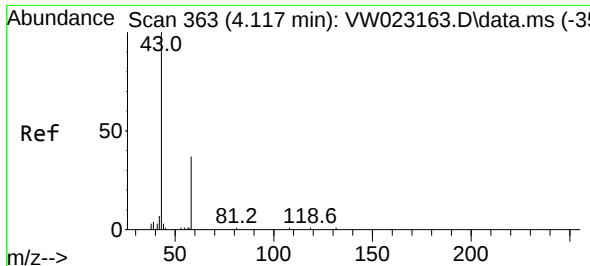
Tgt Ion:101 Resp: 136740
 Ion Ratio Lower Upper
 101 100
 85 44.5 34.3 51.5
 151 70.2 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 24.161 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW023186.D
 Acq: 20 May 2022 09:30

Tgt Ion: 96 Resp: 116478
 Ion Ratio Lower Upper
 96 100
 61 162.9 125.7 233.5
 63 96.9 83.4 155.0

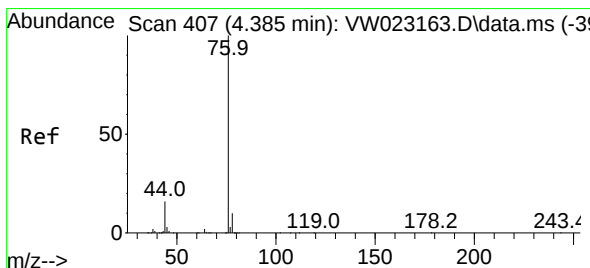
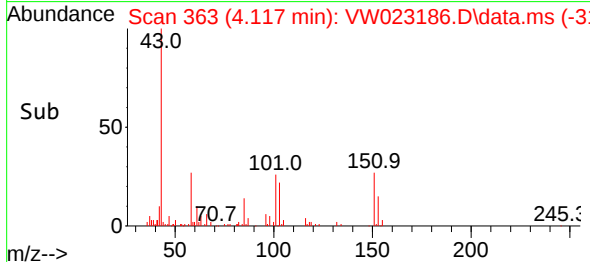
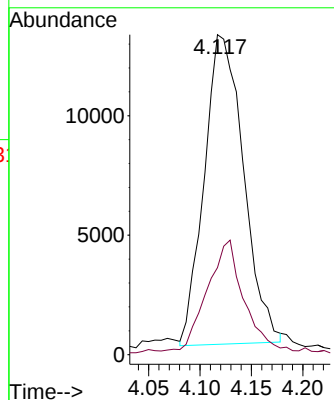
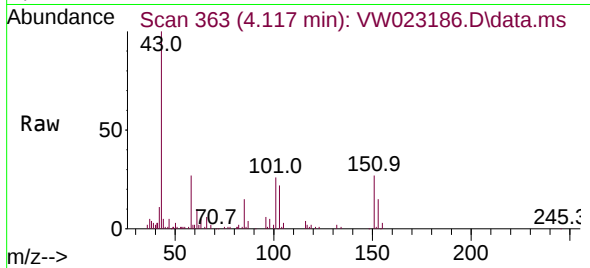




#13
Acetone
Concen: 31.360 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

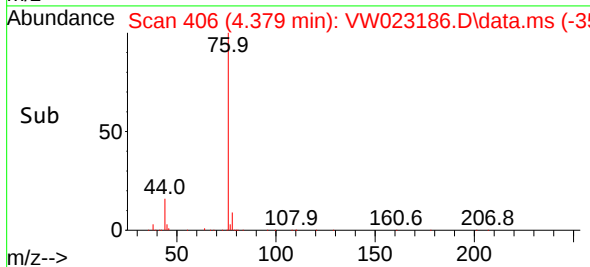
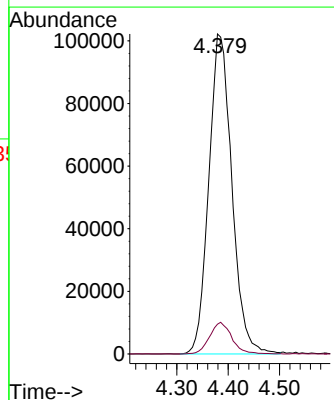
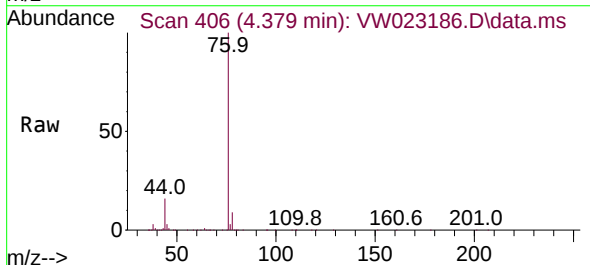
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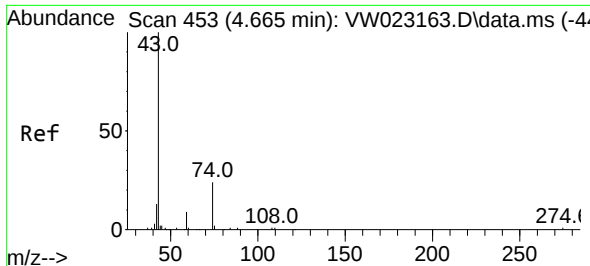
Tgt Ion: 43 Resp: 34474
Ion Ratio Lower Upper
43 100
58 35.7 0.0 64.0



#14
Carbon disulfide
Concen: 24.093 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW023186.D
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Tgt Ion: 76 Resp: 318435
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5

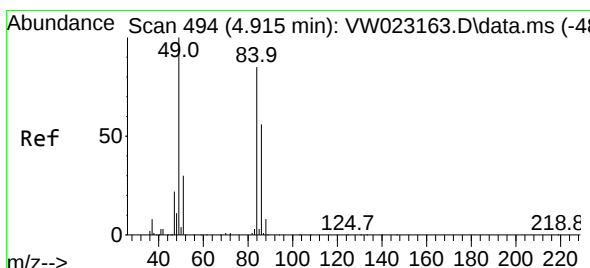
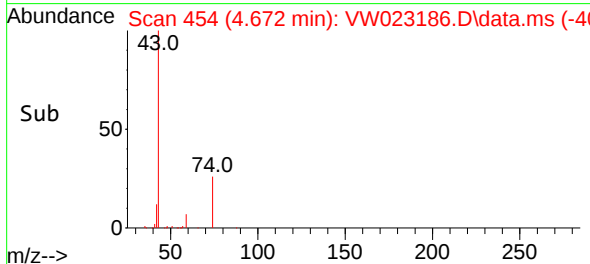
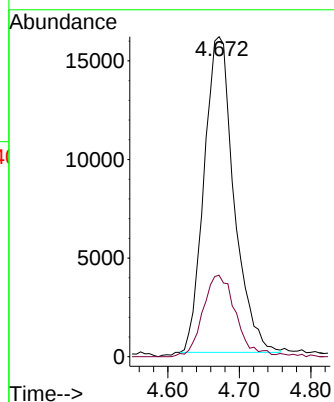
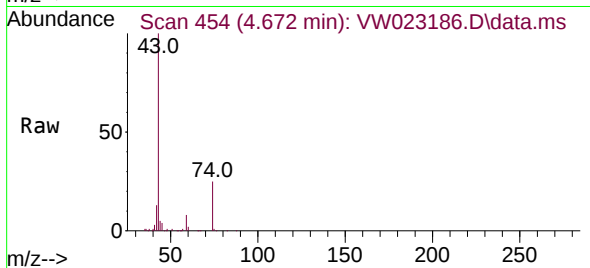




#15
Methyl Acetate
Concen: 21.079 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

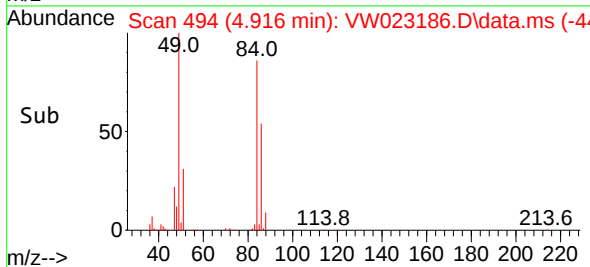
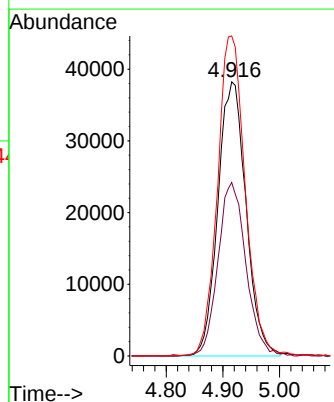
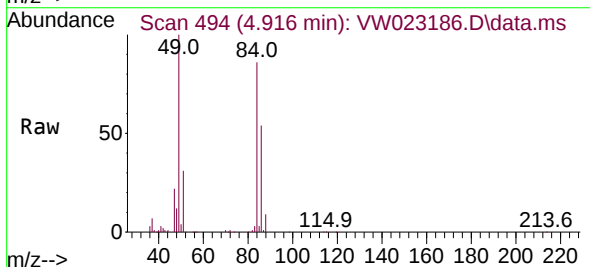
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

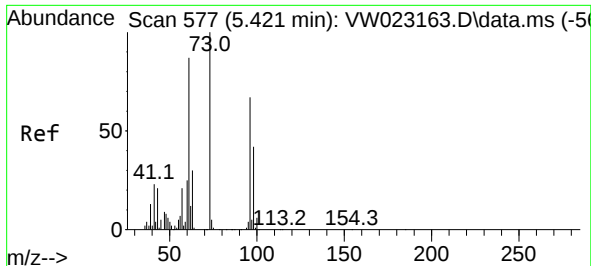
Tgt Ion: 43 Resp: 46553
Ion Ratio Lower Upper
43 100
74 27.6 21.9 32.9



#16
Methylene chloride
Concen: 23.887 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 84 Resp: 131567
Ion Ratio Lower Upper
84 100
86 63.3 45.4 84.4
49 116.7 82.5 153.1

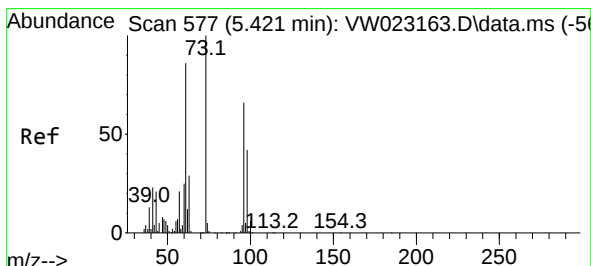
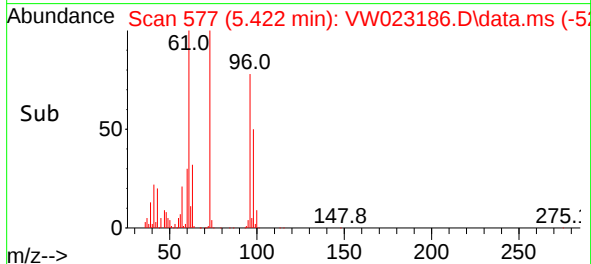
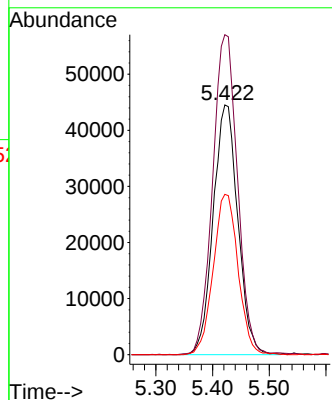
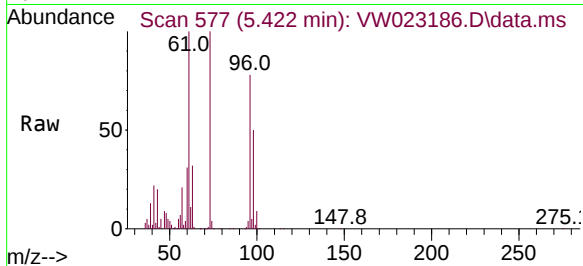




#17
trans-1,2-Dichloroethene
Concen: 24.755 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

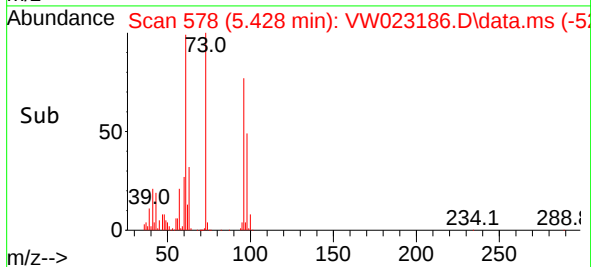
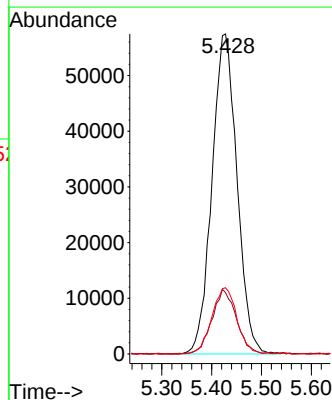
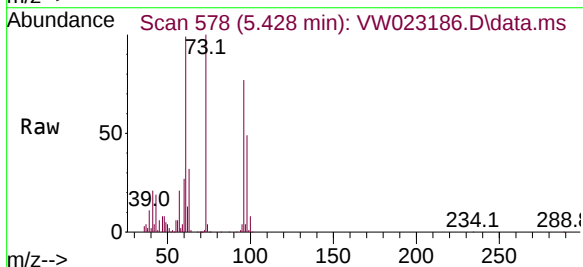
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

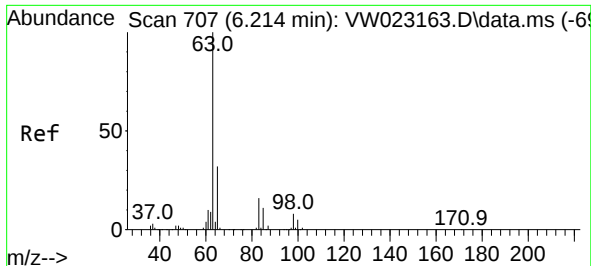
Tgt Ion: 96 Resp: 134301
Ion Ratio Lower Upper
96 100
61 128.2 92.2 171.2
98 64.2 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 24.184 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 73 Resp: 200292
Ion Ratio Lower Upper
73 100
43 19.3 15.9 23.9
57 20.7 16.5 24.7





#19

1,1-Dichloroethane

Concen: 24.528 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

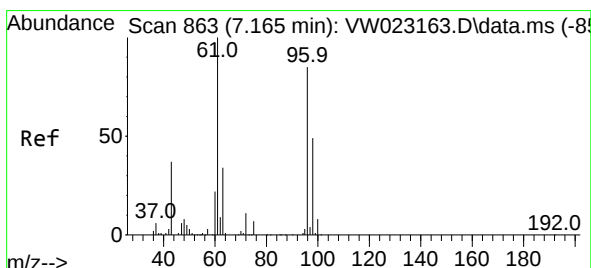
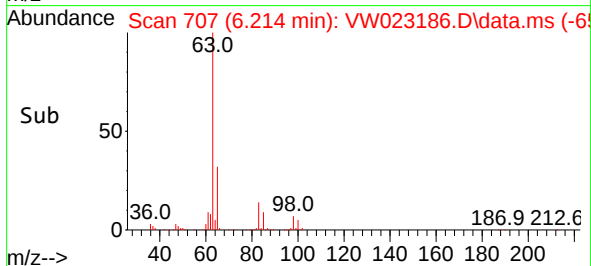
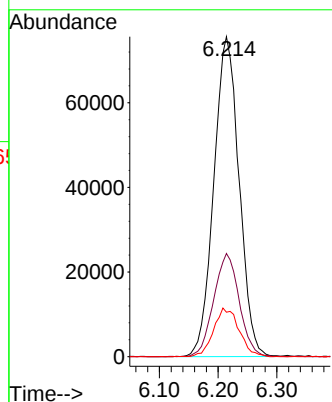
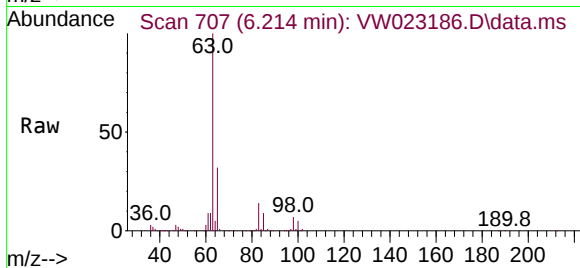
Tgt Ion: 63 Resp: 225532

Ion Ratio Lower Upper

63 100

65 32.2 23.3 43.3

83 13.9 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 24.998 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

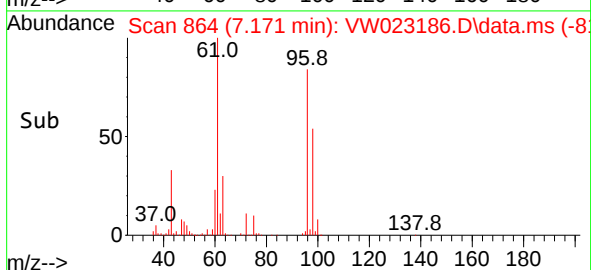
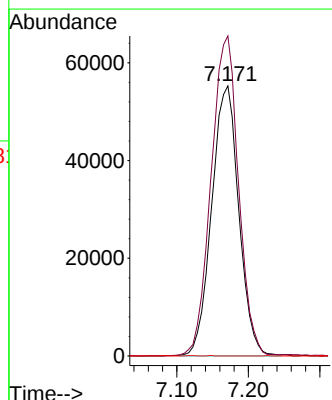
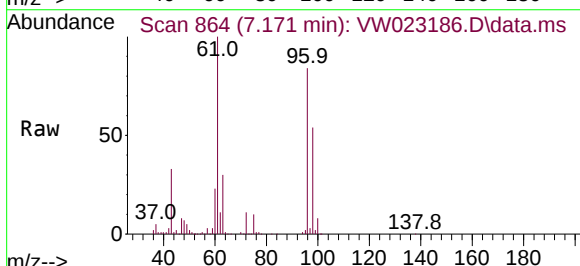
Tgt Ion: 96 Resp: 145666

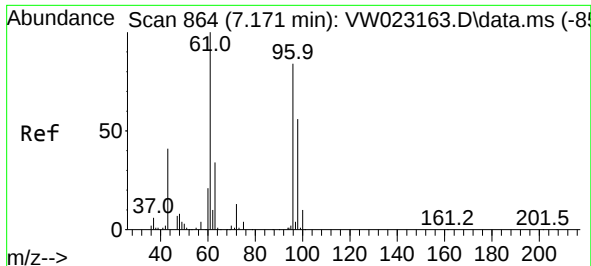
Ion Ratio Lower Upper

96 100

61 118.5 84.2 156.4

68 0.0 0.1 0.1#

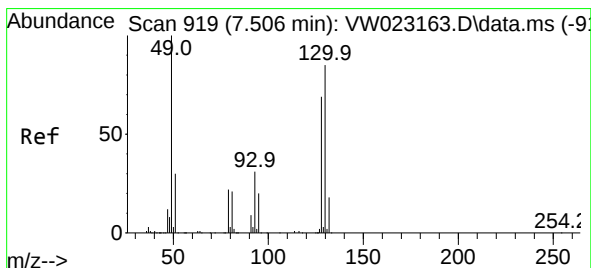
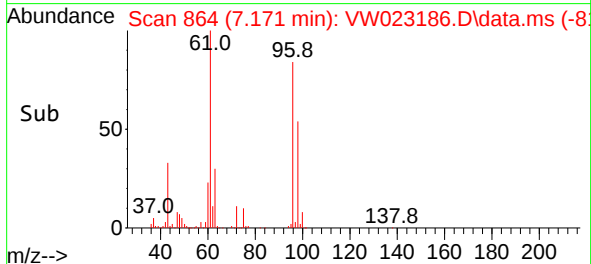
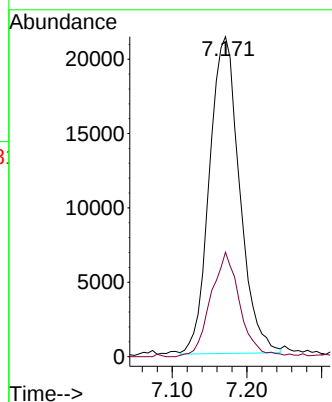
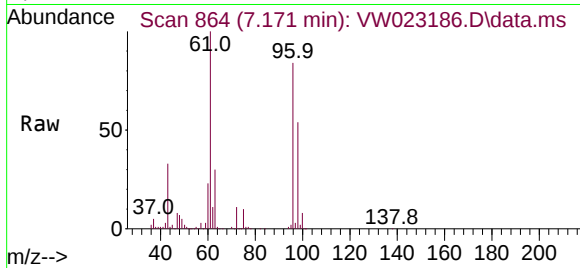




#22
2-Butanone
Concen: 38.904 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

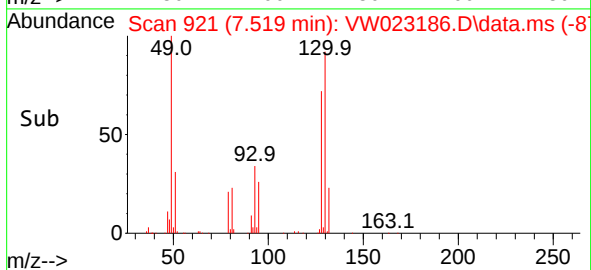
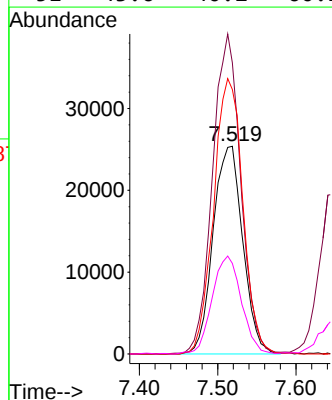
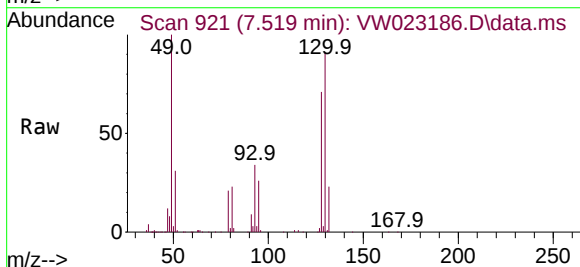
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

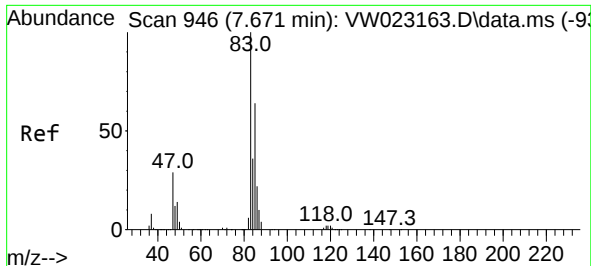
Tgt Ion: 43 Resp: 59810
Ion Ratio Lower Upper
43 100
72 31.2 15.1 45.3



#23
Bromochloromethane
Concen: 24.482 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.012 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 128 Resp: 66811
Ion Ratio Lower Upper
128 100
49 140.2 110.0 204.4
130 127.3 94.8 176.0
51 43.6 40.2 60.2

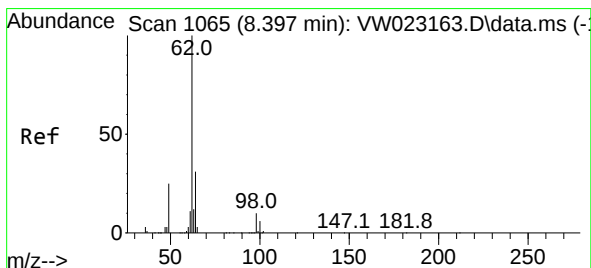
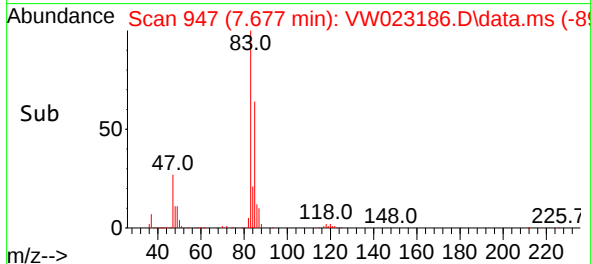
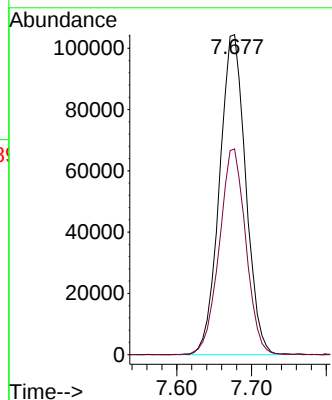
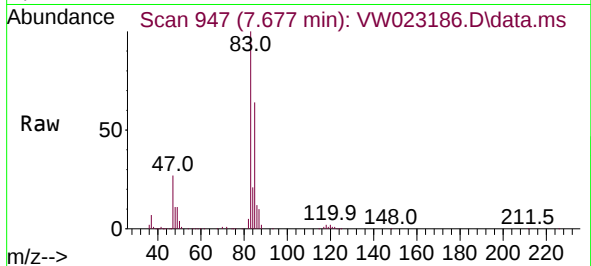




#25
Chloroform
Concen: 25.042 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

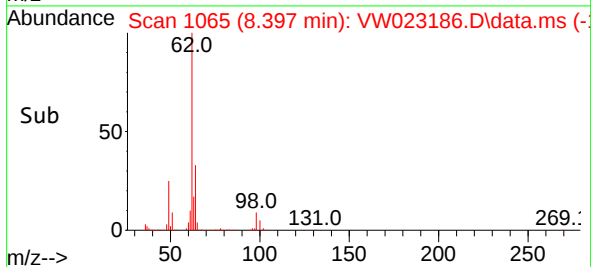
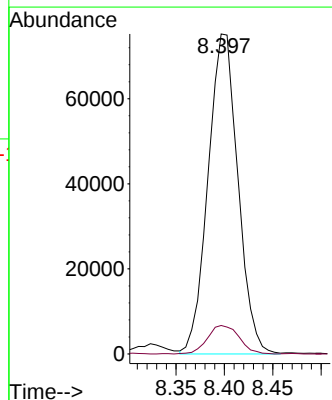
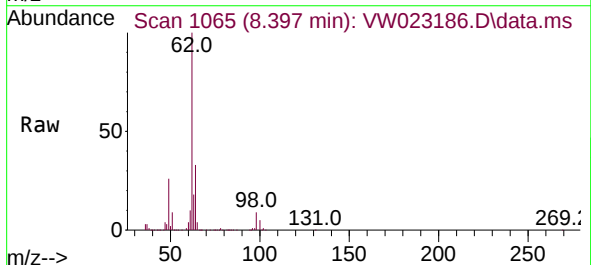
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

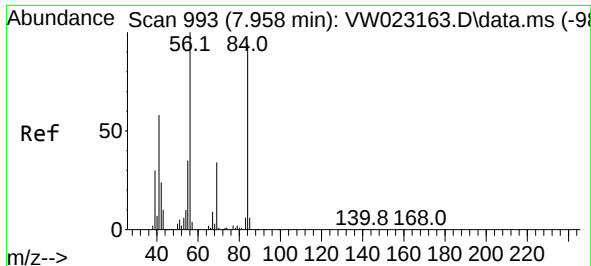
Tgt Ion: 83 Resp: 254604
Ion Ratio Lower Upper
83 100
85 64.3 46.6 86.6



#27
1,2-Dichloroethane
Concen: 23.889 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 62 Resp: 161904
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 26.696 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

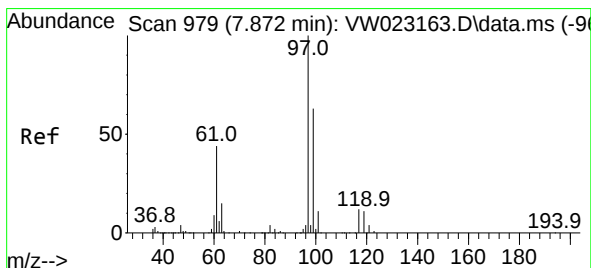
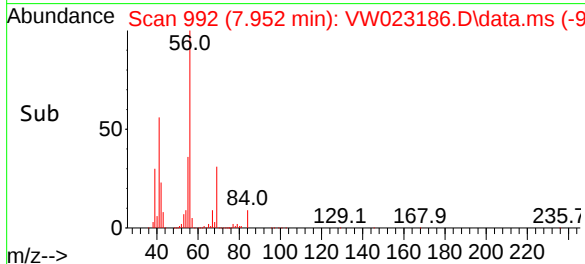
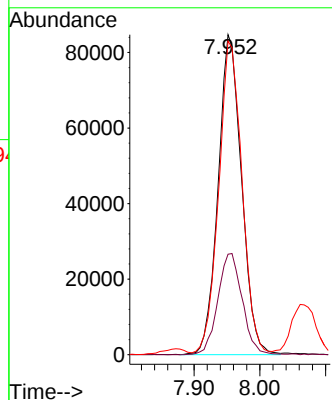
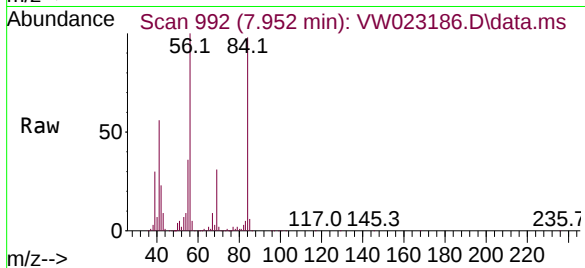
Tgt Ion: 56 Resp: 209833

Ion Ratio Lower Upper

56 100

69 32.9 25.6 38.4

84 97.8 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 25.246 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

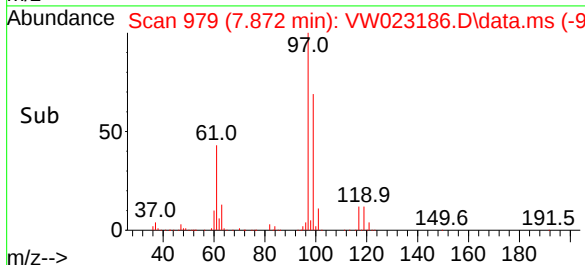
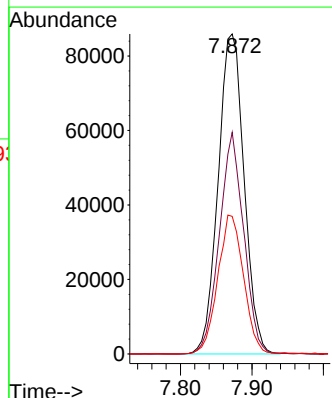
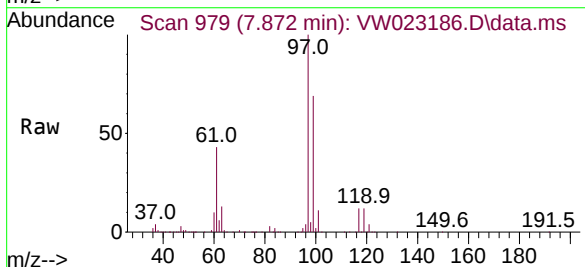
Tgt Ion: 97 Resp: 216827

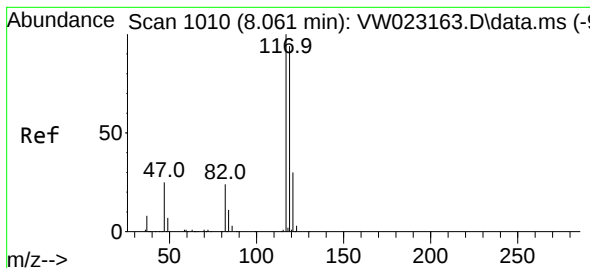
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 43.1 34.8 52.2





#31

Carbon tetrachloride

Concen: 24.689 ug/L

RT: 8.061 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

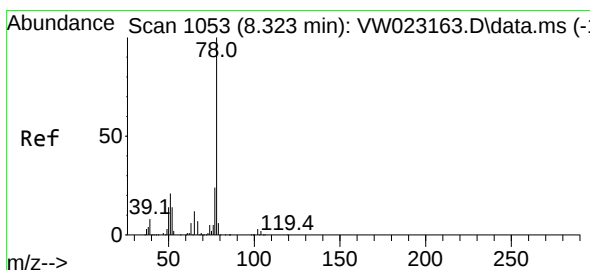
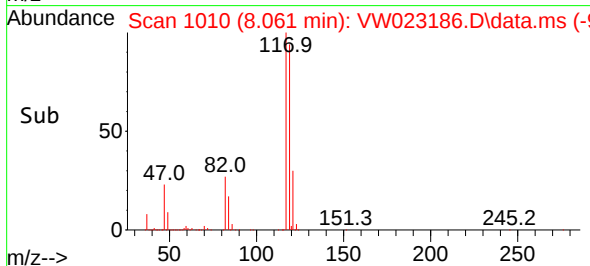
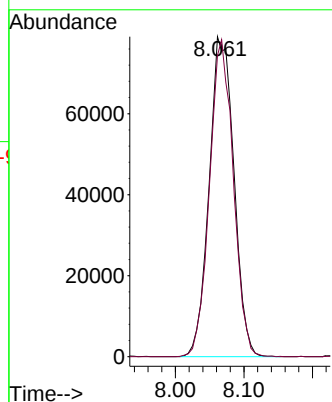
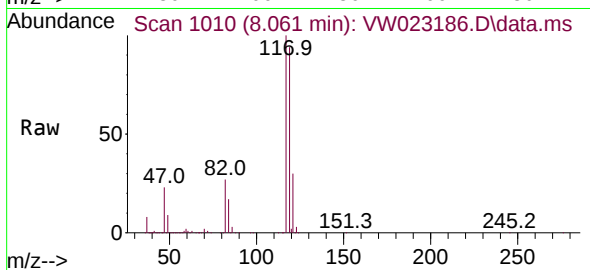
VSTD025543

Tgt Ion:117 Resp: 198354

Ion Ratio Lower Upper

117 100

119 95.0 76.6 115.0



#33

Benzene

Concen: 25.488 ug/L

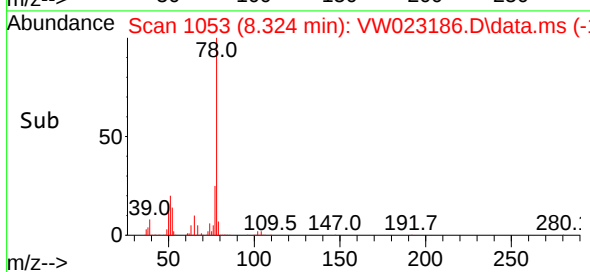
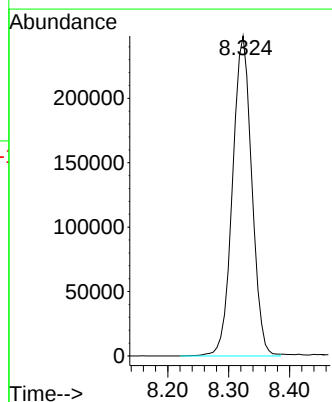
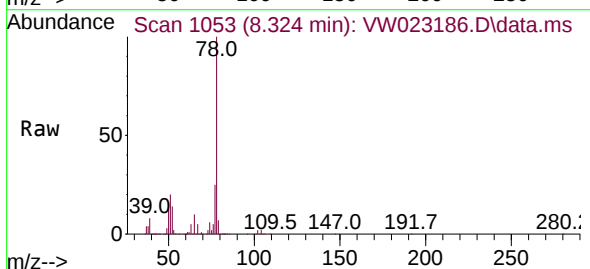
RT: 8.324 min Scan# 1053

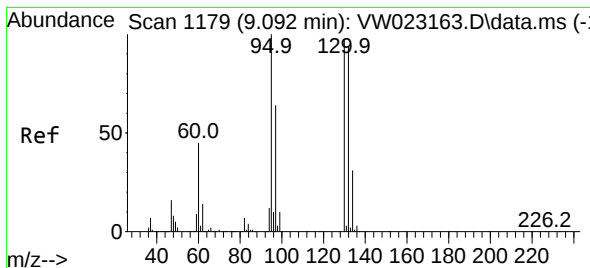
Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Tgt Ion: 78 Resp: 545703





#34

Trichloroethene

Concen: 25.335 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

Tgt Ion: 95 Resp: 149177

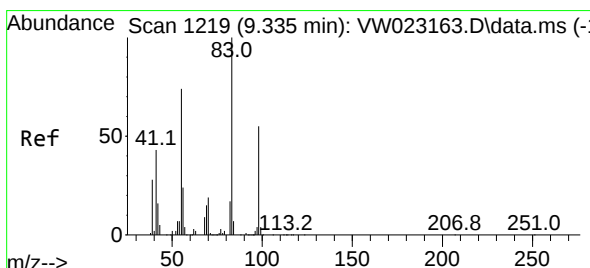
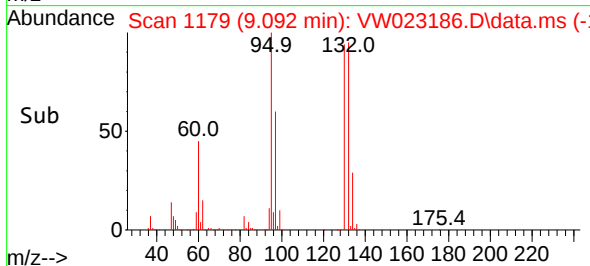
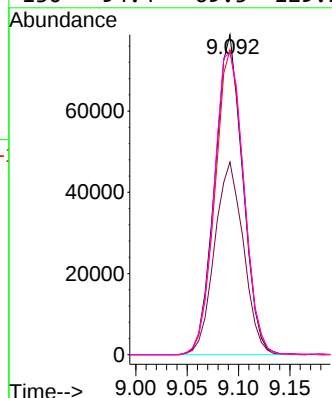
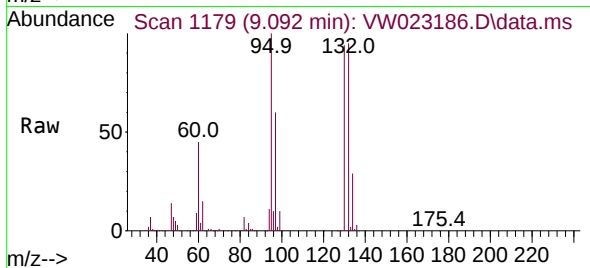
Ion Ratio Lower Upper

95 100

97 60.2 46.1 85.7

132 95.3 66.9 124.3

130 94.4 69.5 129.1



#35

Methylcyclohexane

Concen: 26.608 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

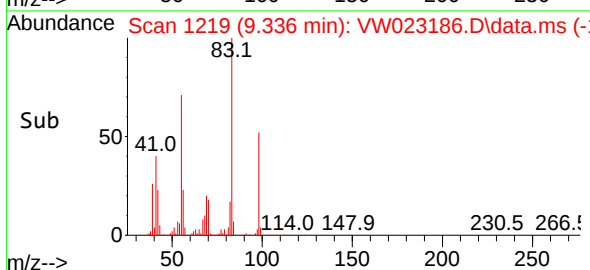
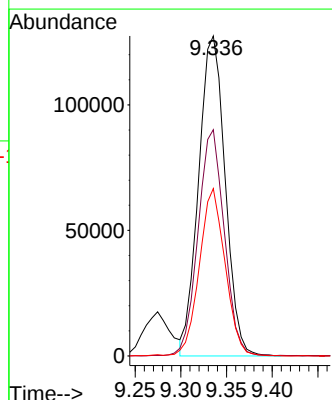
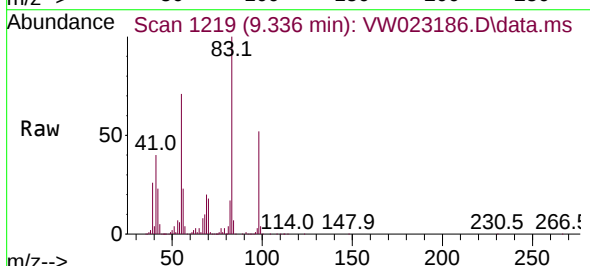
Tgt Ion: 83 Resp: 257373

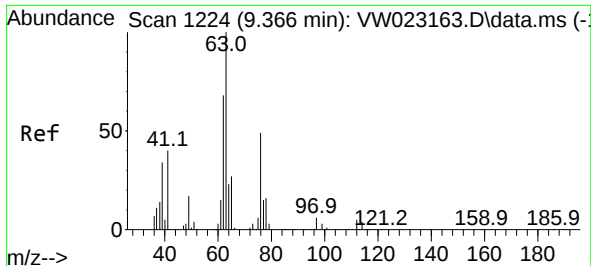
Ion Ratio Lower Upper

83 100

55 69.8 55.1 82.7

98 50.8 40.4 60.6





#37

1,2-Dichloropropane

Concen: 24.408 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

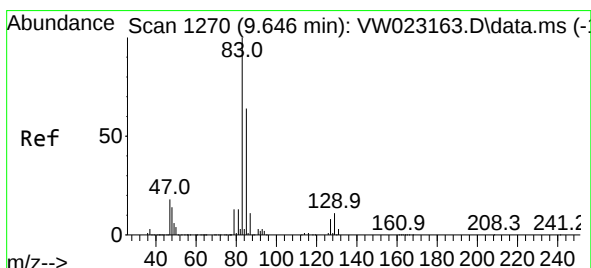
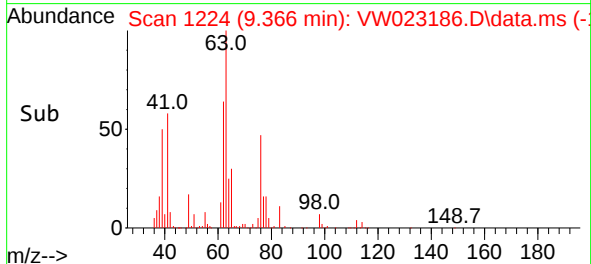
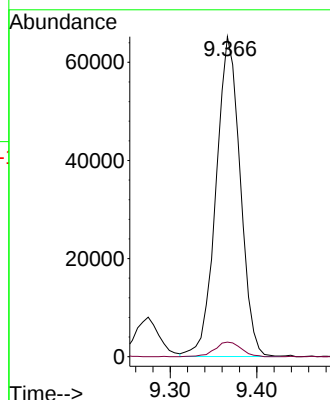
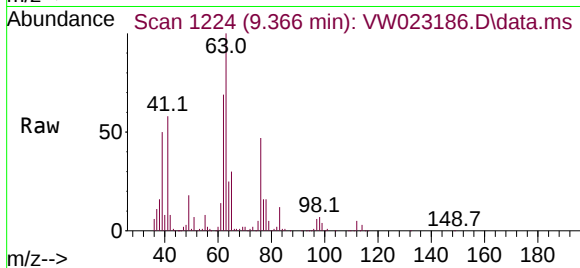
VSTD025543

Tgt Ion: 63 Resp: 126463

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 23.735 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

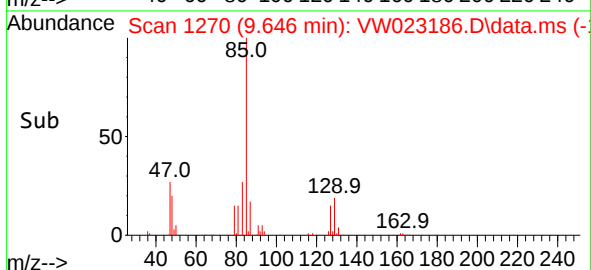
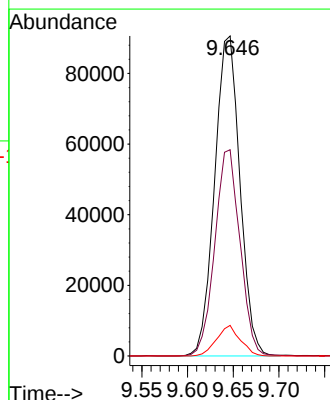
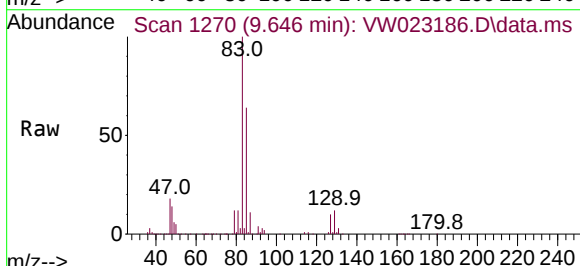
Tgt Ion: 83 Resp: 174668

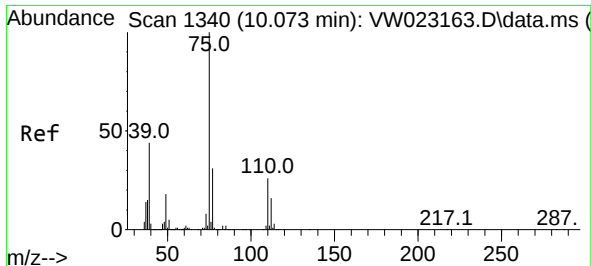
Ion Ratio Lower Upper

83 100

85 64.5 43.5 80.7

127 9.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 24.840 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

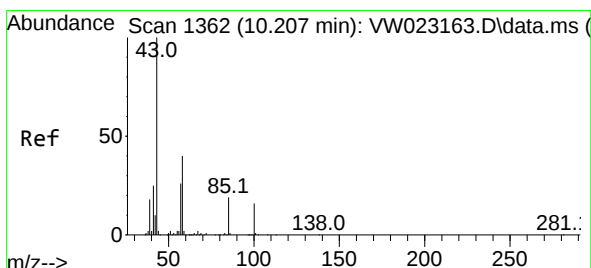
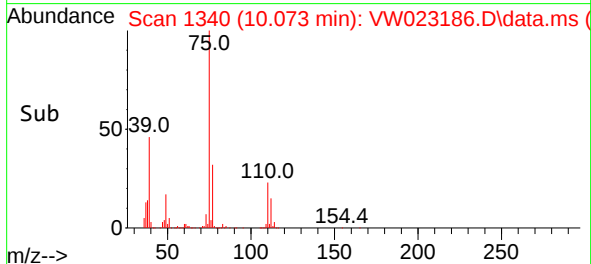
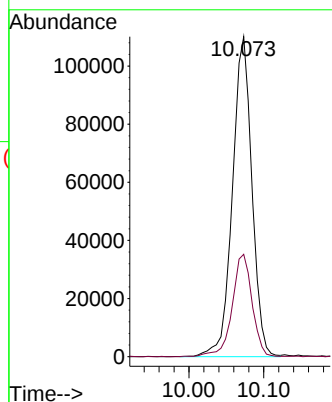
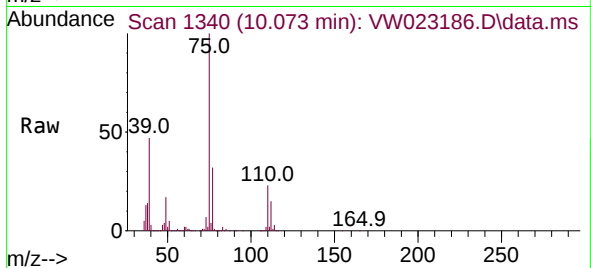
VSTD025543

Tgt Ion: 75 Resp: 199563

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 44.089 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

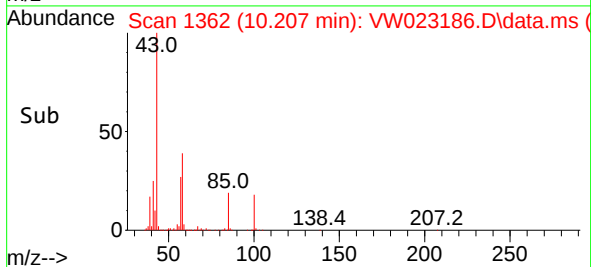
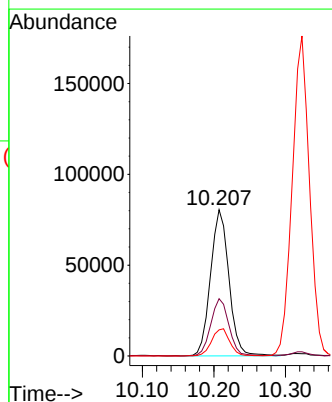
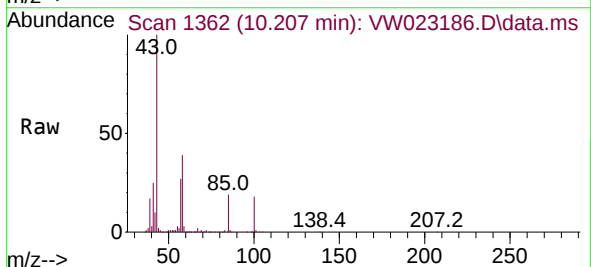
Tgt Ion: 43 Resp: 143980

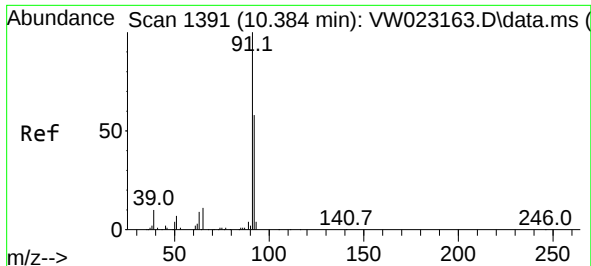
Ion Ratio Lower Upper

43 100

58 38.7 31.4 47.2

100 18.4 14.2 21.4

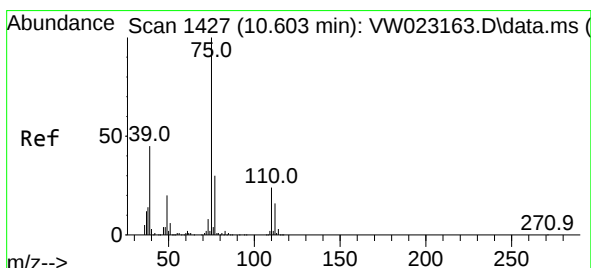
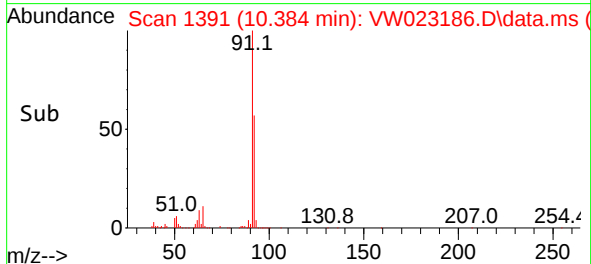
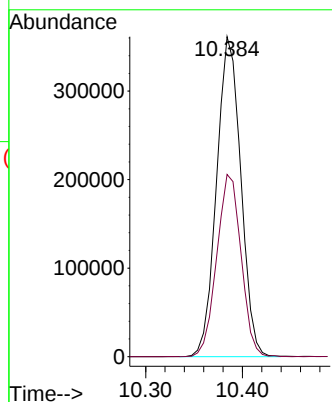
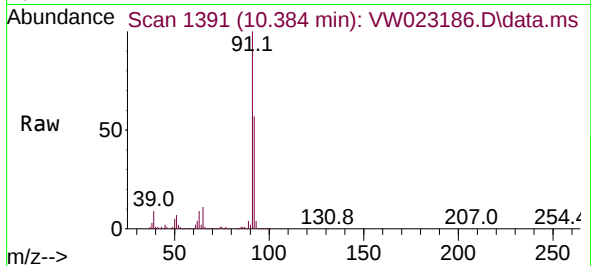




#42
Toluene
Concen: 26.167 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

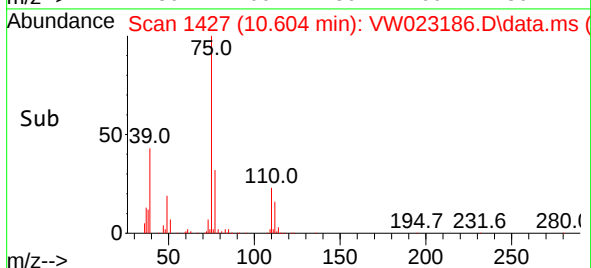
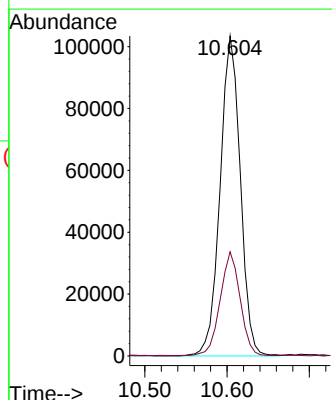
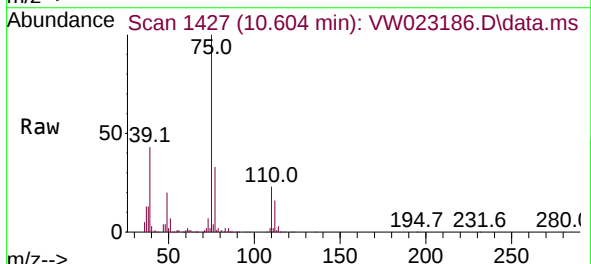
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

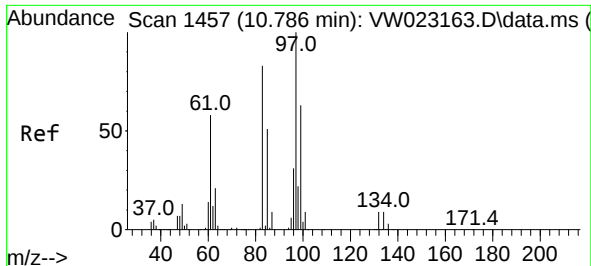
Tgt Ion: 91 Resp: 627848
Ion Ratio Lower Upper
91 100
92 57.0 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 24.723 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 75 Resp: 177281
Ion Ratio Lower Upper
75 100
77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 23.959 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

Tgt Ion: 97 Resp: 103773

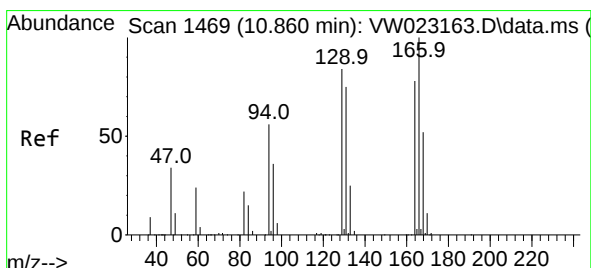
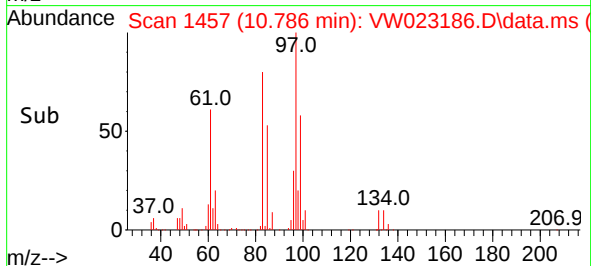
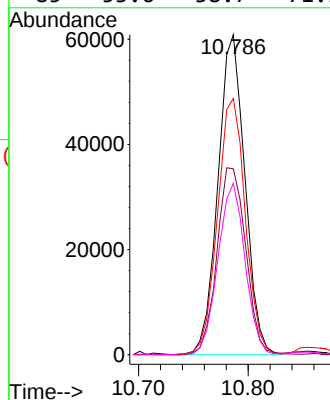
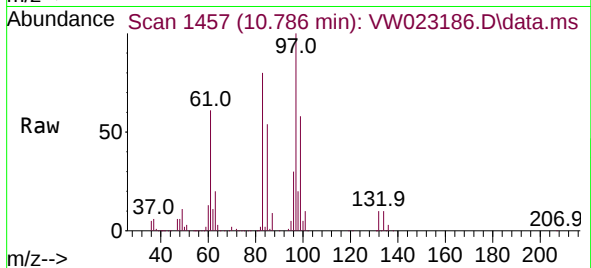
Ion Ratio Lower Upper

97 100

99 58.1 44.7 82.9

83 80.1 58.4 108.4

85 53.6 38.7 71.9



#46

Tetrachloroethene

Concen: 26.704 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Tgt Ion:164 Resp: 118165

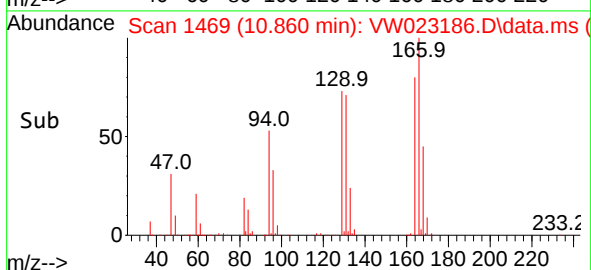
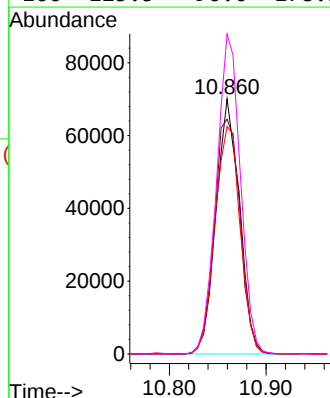
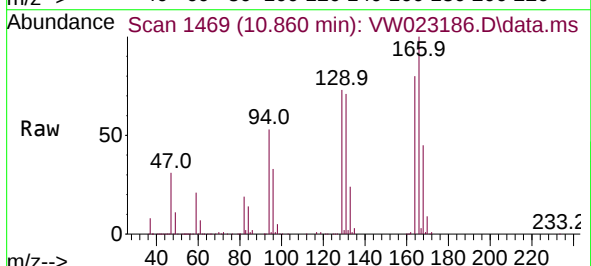
Ion Ratio Lower Upper

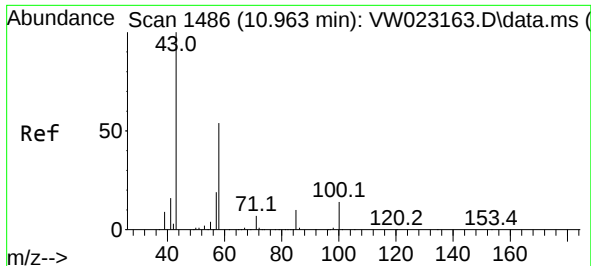
164 100

129 92.1 76.9 142.7

131 89.2 75.1 139.5

166 125.5 96.0 178.2

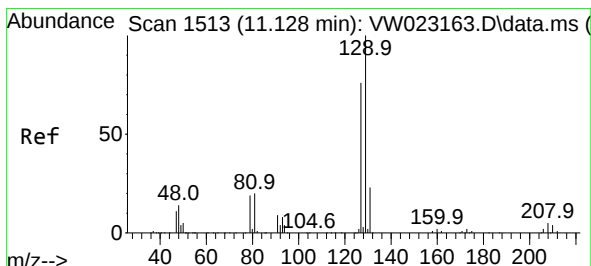
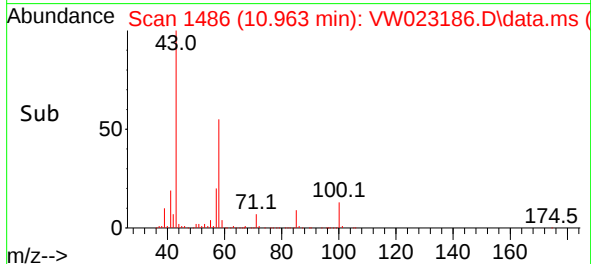
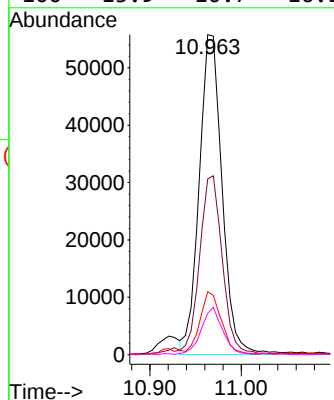
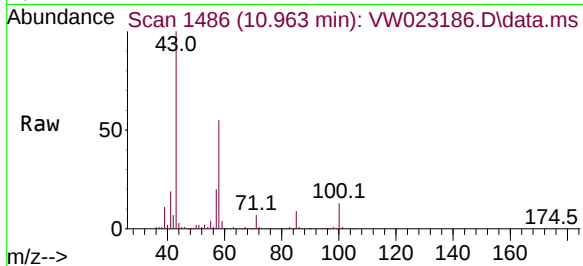




#48
2-Hexanone
Concen: 44.494 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

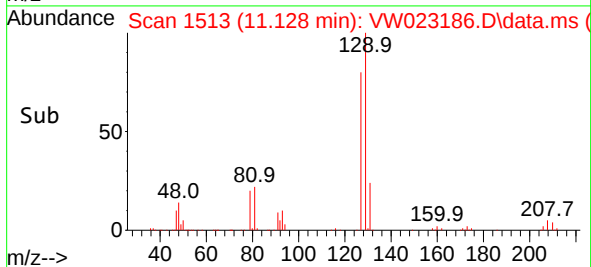
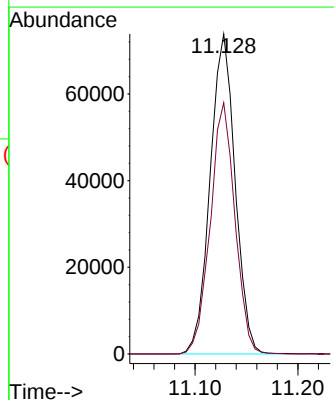
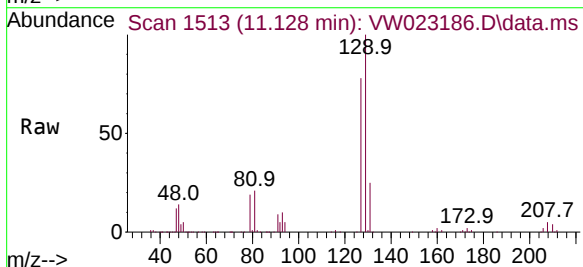
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

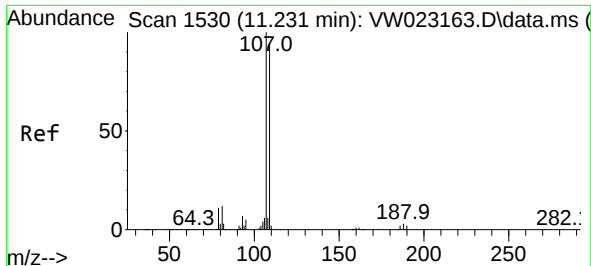
Tgt Ion: 43 Resp: 97085
Ion Ratio Lower Upper
43 100
58 55.3 45.9 68.9
57 18.2 16.2 24.2
100 13.9 10.7 16.1



#49
Dibromochloromethane
Concen: 23.893 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion: 129 Resp: 124551
Ion Ratio Lower Upper
129 100
127 78.5 53.8 100.0





#50

1,2-Dibromoethane

Concen: 23.468 ug/L

RT: 11.232 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

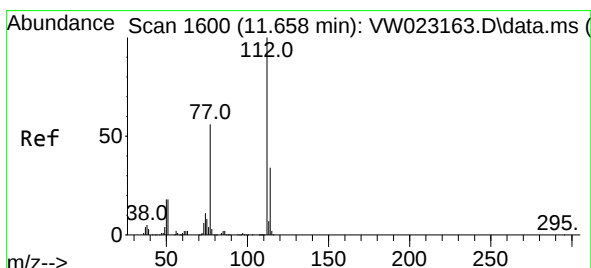
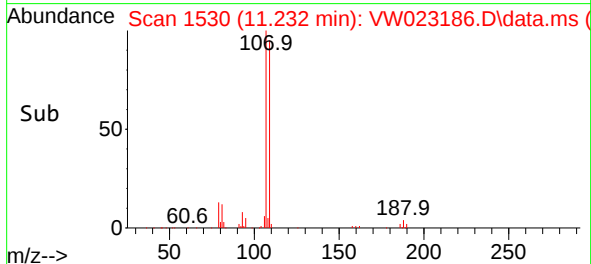
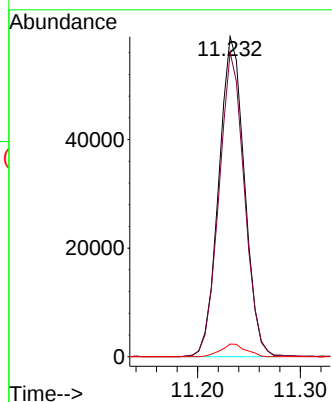
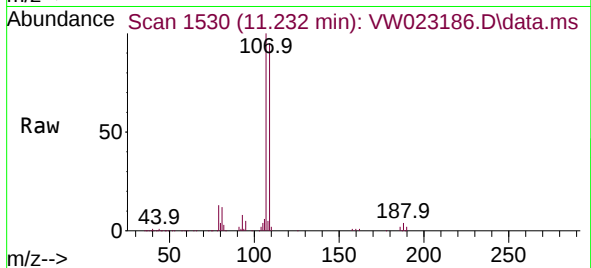
Tgt Ion:107 Resp: 102064

Ion Ratio Lower Upper

107 100

109 95.1 67.5 125.4

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 25.605 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

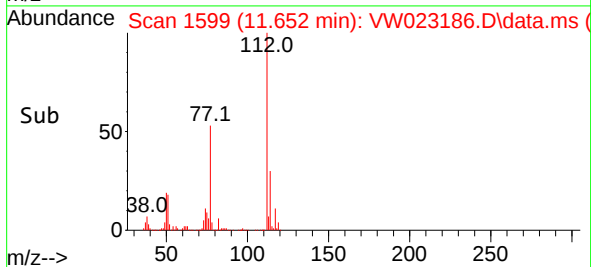
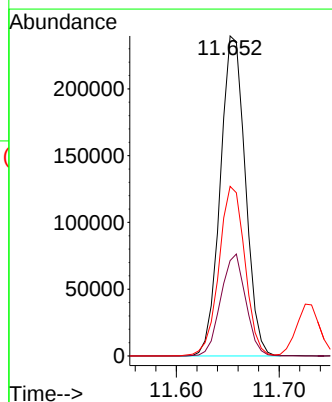
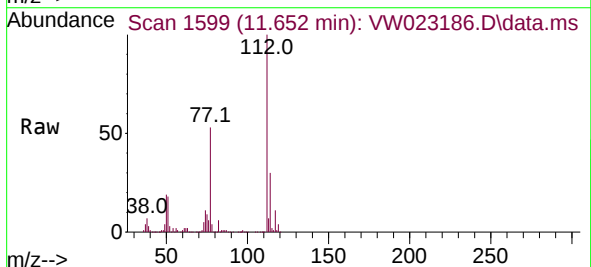
Tgt Ion:112 Resp: 405025

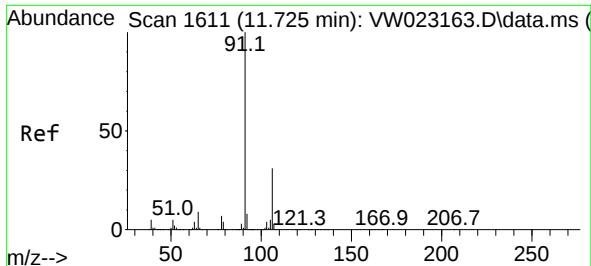
Ion Ratio Lower Upper

112 100

114 29.8 22.0 41.0

77 53.0 42.6 63.8

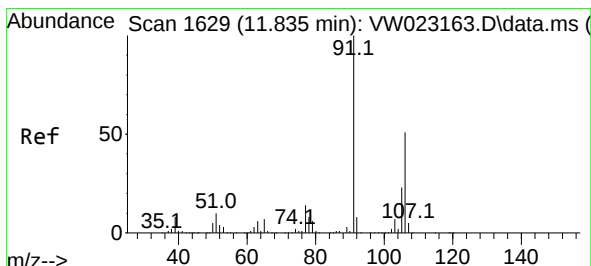
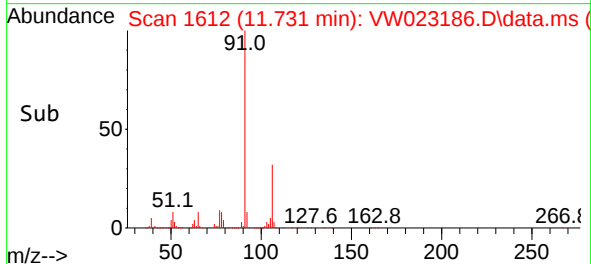
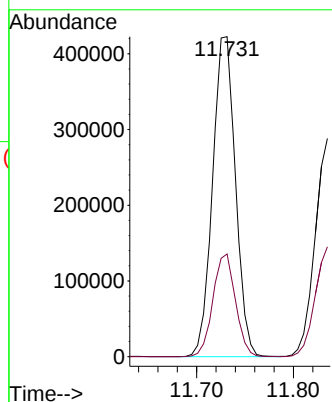
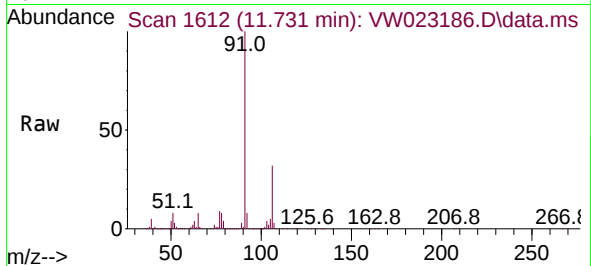




#52
Ethylbenzene
Concen: 26.041 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

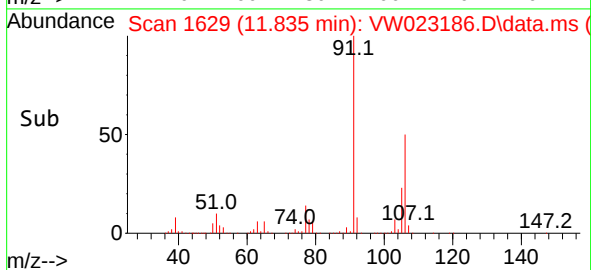
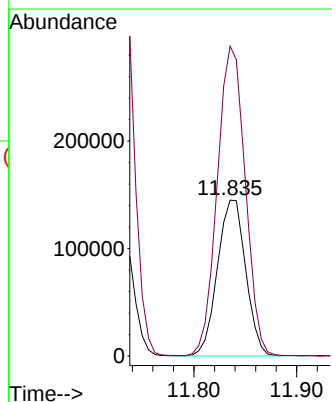
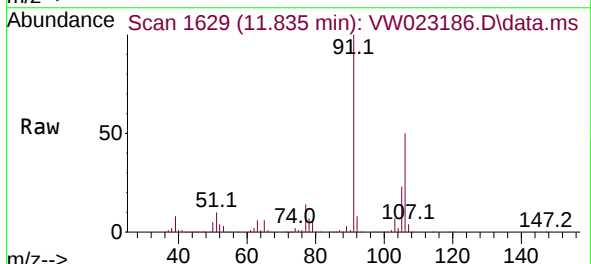
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

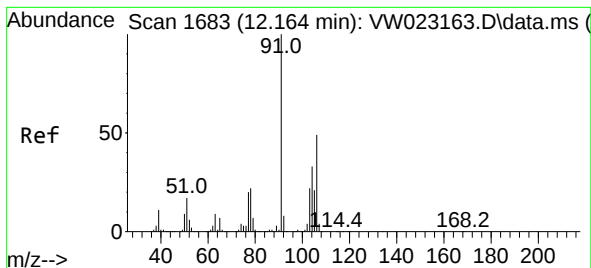
Tgt Ion: 91 Resp: 695134
Ion Ratio Lower Upper
91 100
106 32.1 22.3 41.3



#53
m,p-Xylene
Concen: 26.372 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion:106 Resp: 277384
Ion Ratio Lower Upper
106 100
91 198.6 136.8 254.0





#54

o-Xylene

Concen: 26.308 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

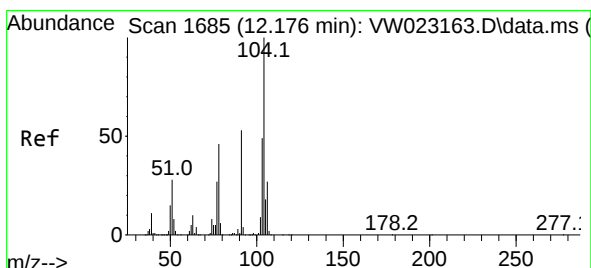
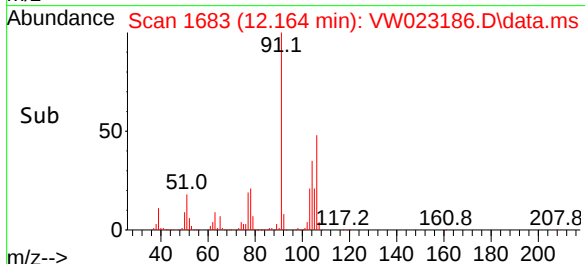
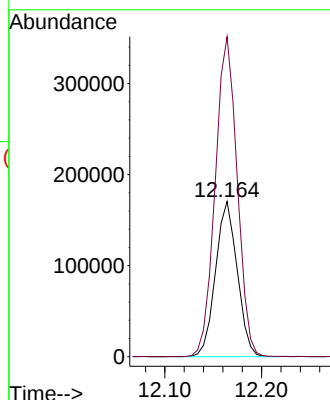
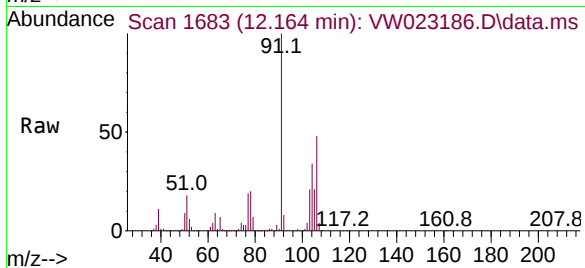
VSTD025543

Tgt Ion:106 Resp: 265537

Ion Ratio Lower Upper

106 100

91 206.2 147.2 273.4



#55

Styrene

Concen: 26.476 ug/L

RT: 12.183 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW023186.D

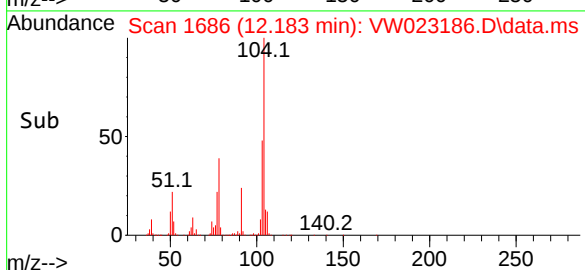
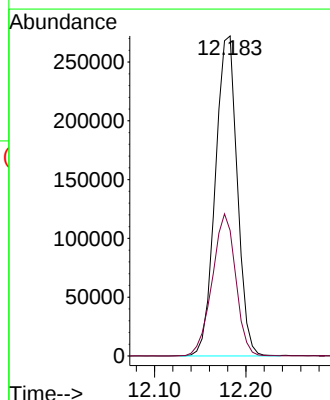
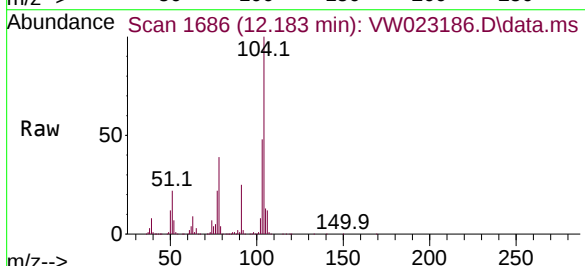
Acq: 20 May 2022 09:30

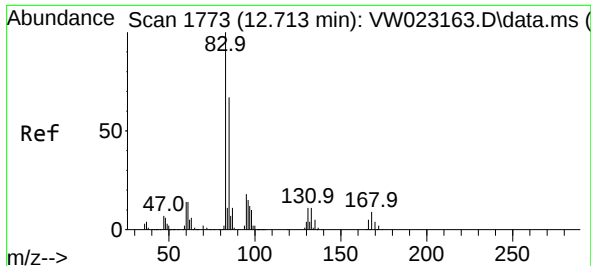
Tgt Ion:104 Resp: 454082

Ion Ratio Lower Upper

104 100

78 39.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 23.041 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

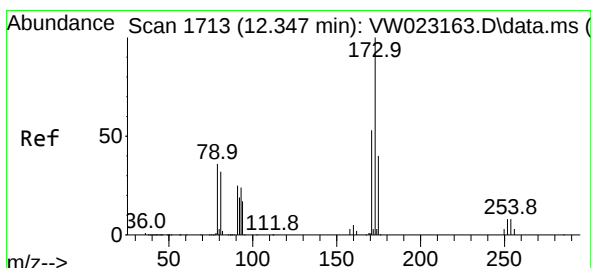
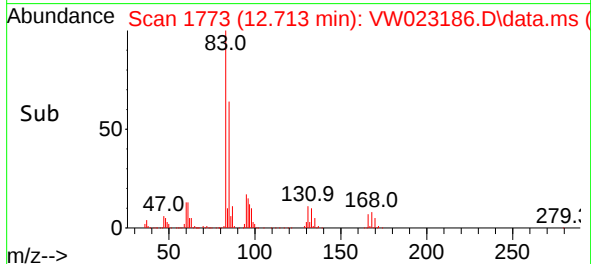
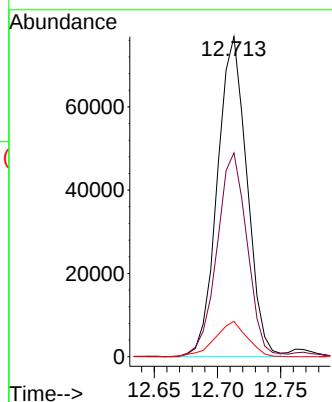
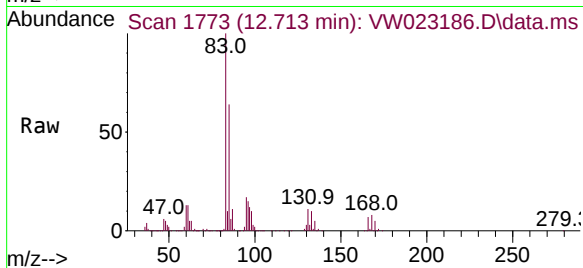
Tgt Ion: 83 Resp: 124647

Ion Ratio Lower Upper

83 100

85 63.7 47.5 88.1

131 11.1 8.7 13.1



#59

Bromoform

Concen: 21.162 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

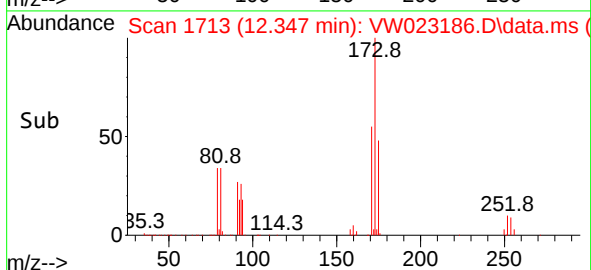
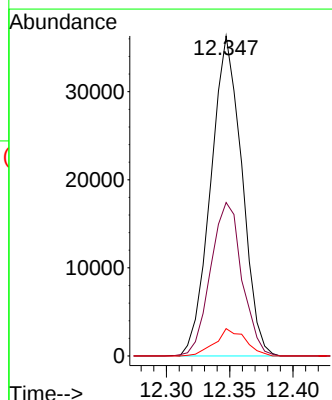
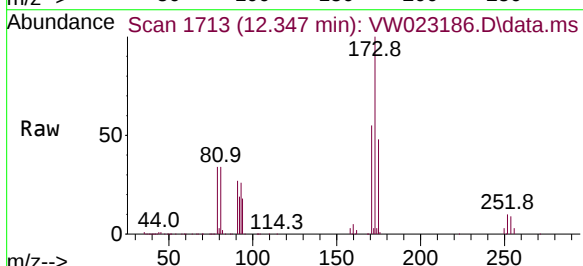
Tgt Ion: 173 Resp: 62069

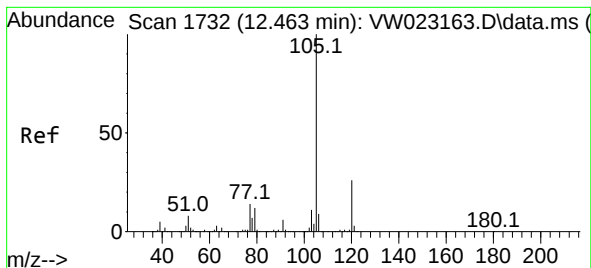
Ion Ratio Lower Upper

173 100

175 48.5 38.1 57.1

254 8.3 6.5 9.7





#60

Isopropylbenzene

Concen: 25.897 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

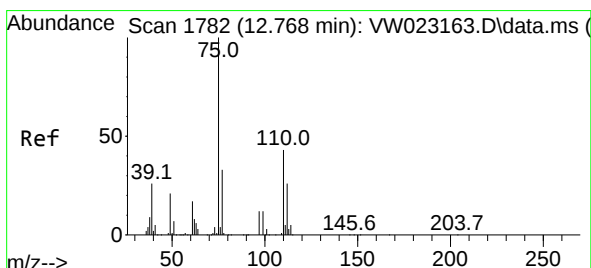
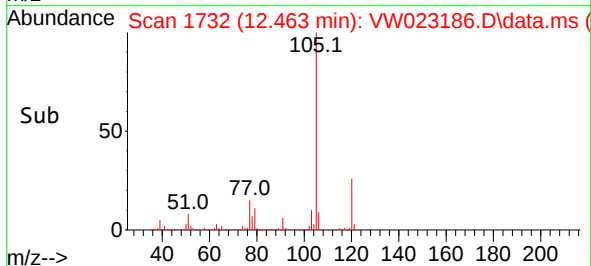
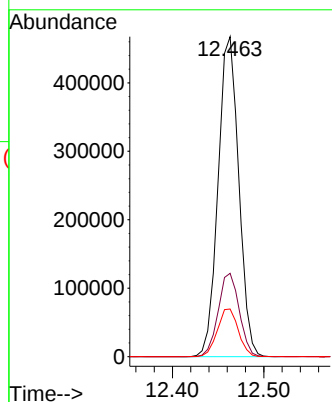
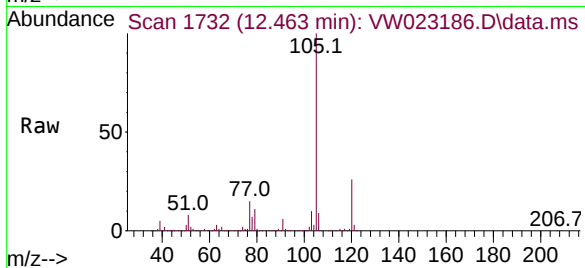
Tgt Ion:105 Resp: 734255

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.2 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 21.472 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

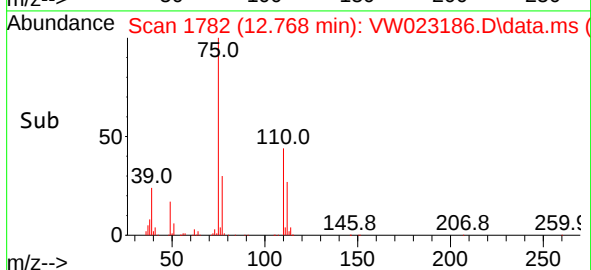
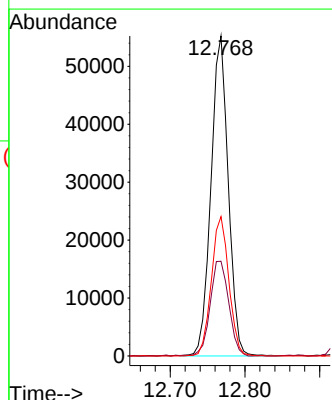
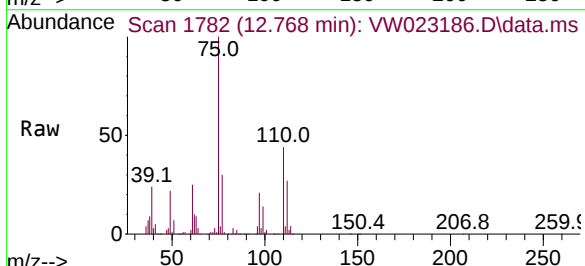
Tgt Ion: 75 Resp: 88792

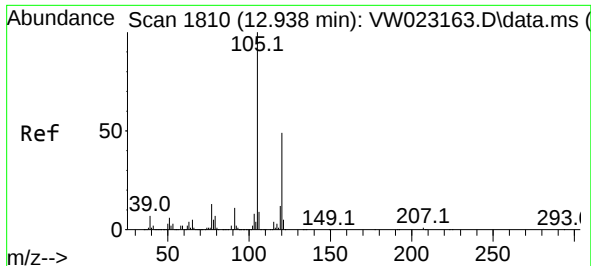
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

110 43.9 34.1 51.1

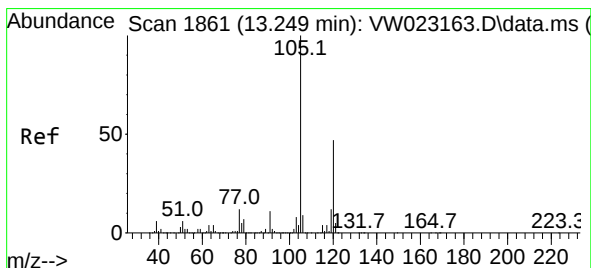
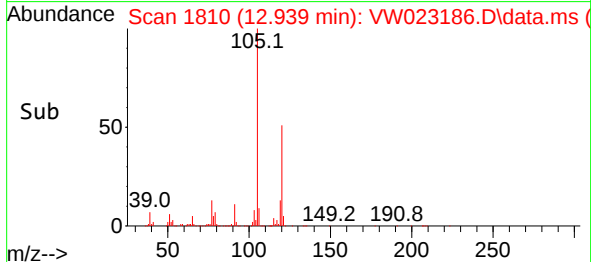
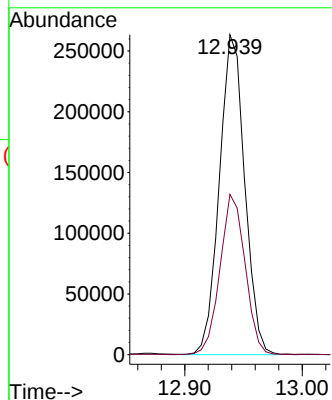
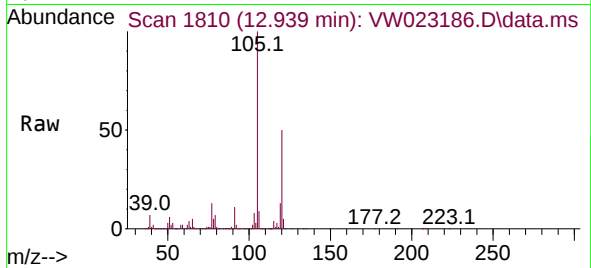




#62
1,3,5-Trimethylbenzene
Concen: 25.035 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

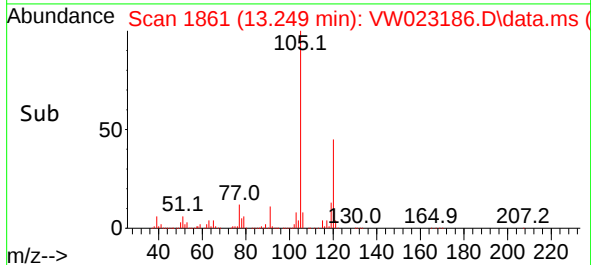
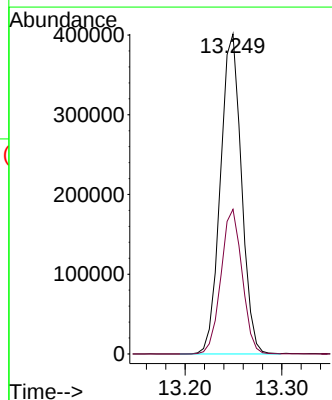
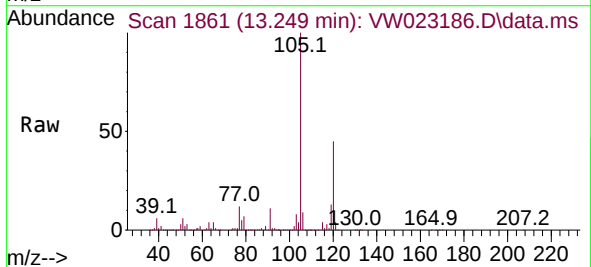
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

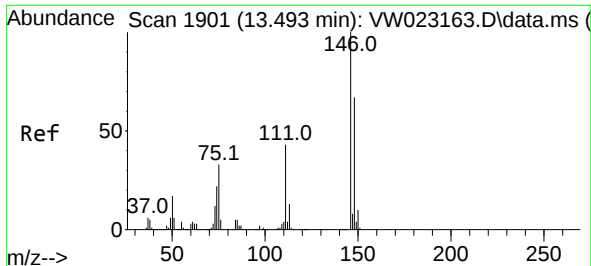
Tgt Ion:105 Resp: 394900
Ion Ratio Lower Upper
105 100
120 49.7 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 25.530 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion:105 Resp: 604683
Ion Ratio Lower Upper
105 100
120 45.3 37.4 56.2

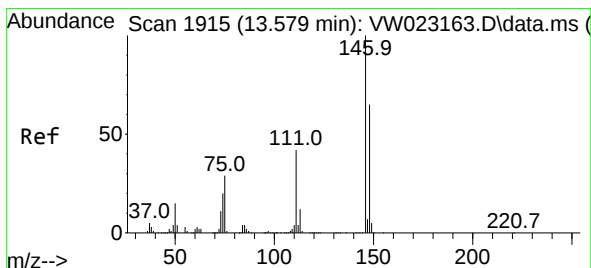
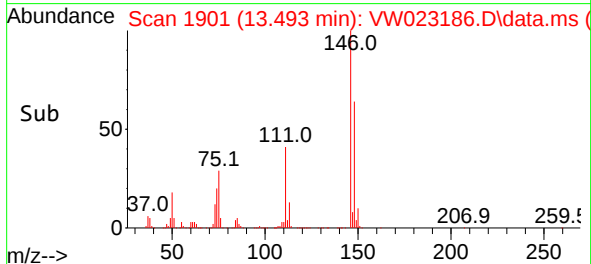
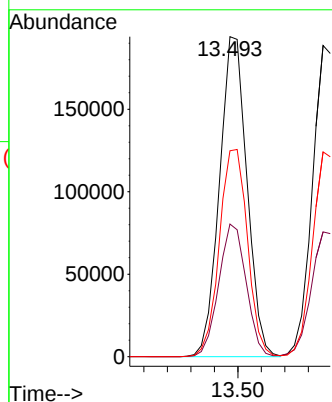
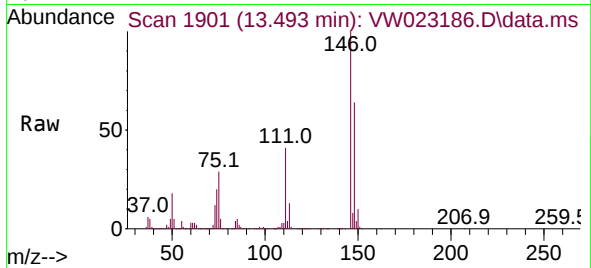




#64
1,3-Dichlorobenzene
Concen: 24.946 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

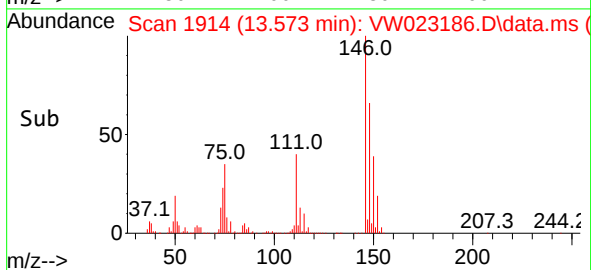
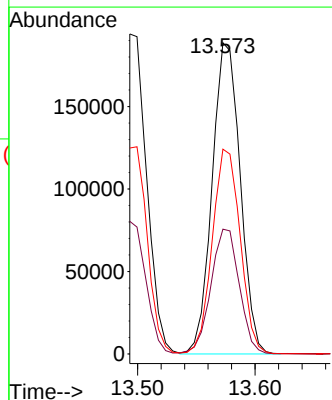
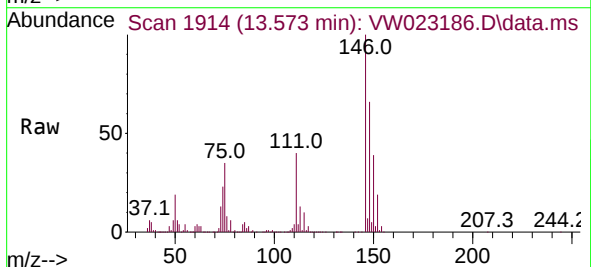
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

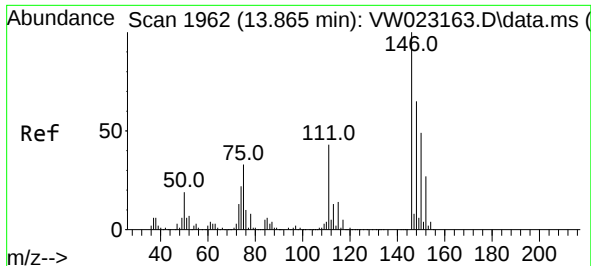
Tgt Ion:146 Resp: 315791
Ion Ratio Lower Upper
146 100
111 41.5 29.5 54.9
148 64.4 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 23.987 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion:146 Resp: 313641
Ion Ratio Lower Upper
146 100
111 40.1 27.2 50.4
148 65.8 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 24.886 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

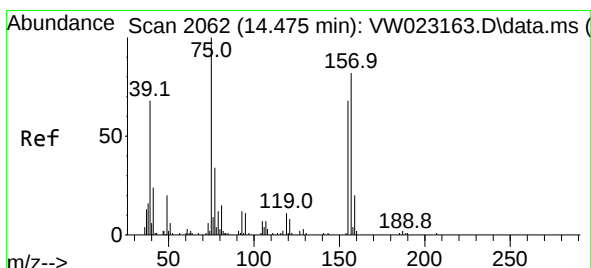
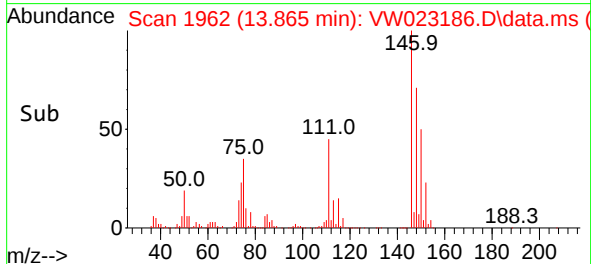
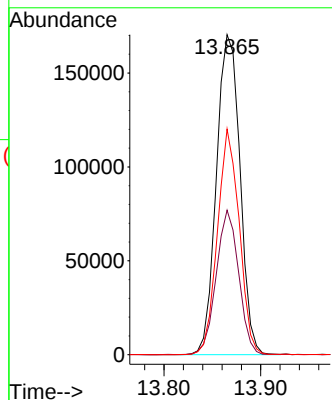
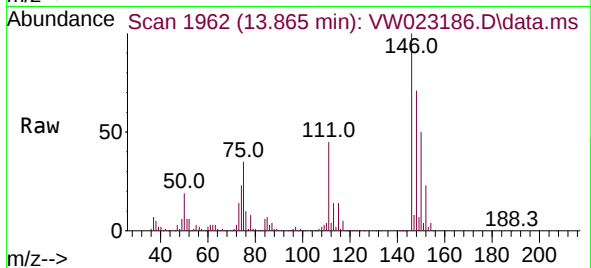
Tgt Ion:146 Resp: 288279

Ion Ratio Lower Upper

146 100

111 45.2 35.7 53.5

148 70.5 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 19.150 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

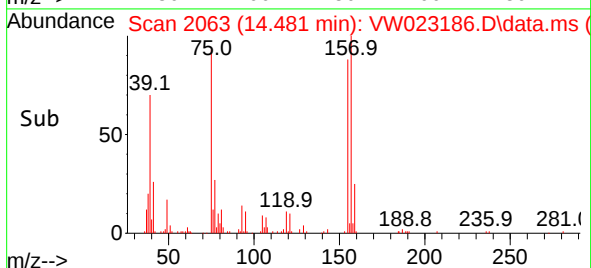
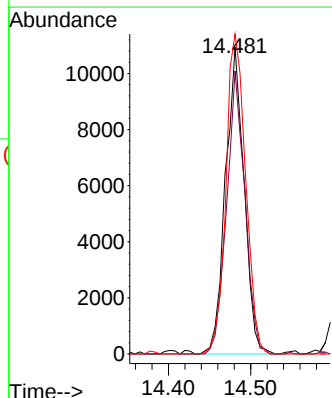
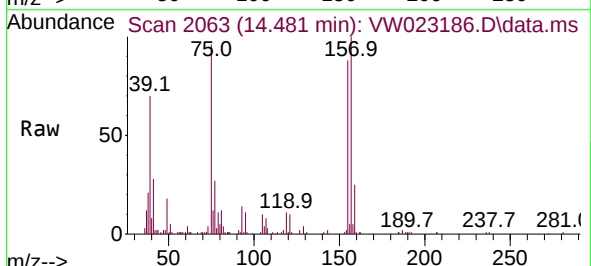
Tgt Ion: 75 Resp: 17307

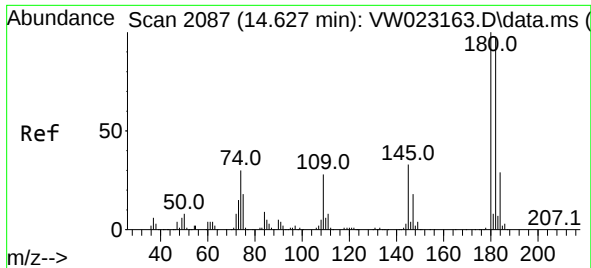
Ion Ratio Lower Upper

75 100

155 92.2 59.3 88.9#

157 104.3 89.8 134.8

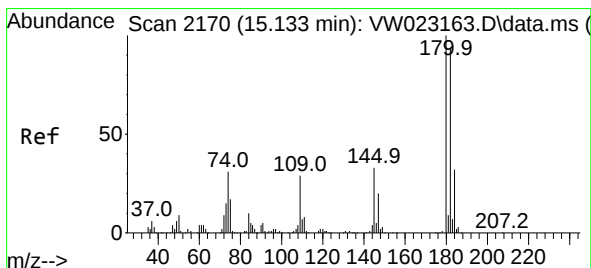
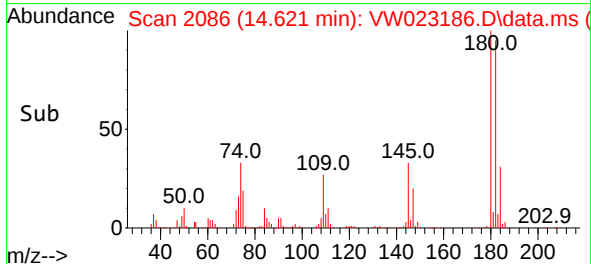
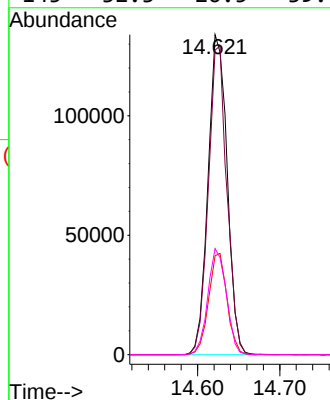
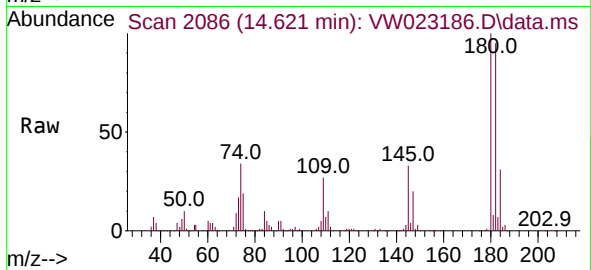




#69
1,3,5-Trichlorobenzene
Concen: 25.668 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

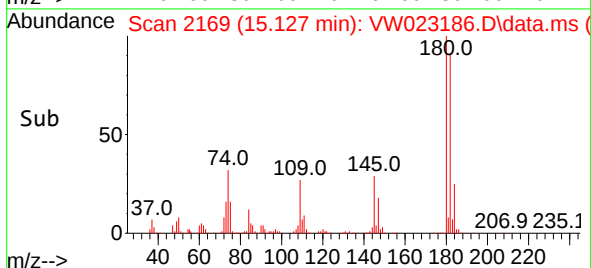
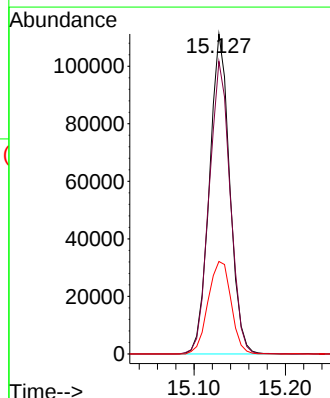
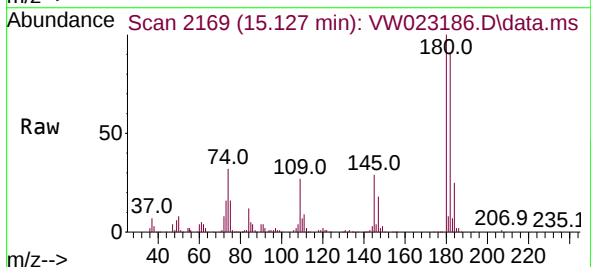
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

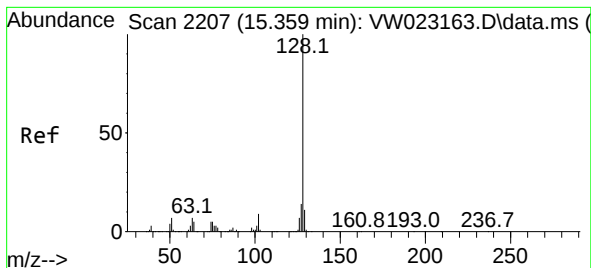
Tgt Ion:	180	Resp:	215683
Ion Ratio	Lower	Upper	
180	100		
182	93.9	74.8	112.2
184	30.6	23.4	35.2
145	32.3	26.5	39.7



#70
1,2,4-trichlorobenzene
Concen: 25.340 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW023186.D
Acq: 20 May 2022 09:30

Tgt Ion:	180	Resp:	171278
Ion Ratio	Lower	Upper	
180	100		
182	94.5	74.9	112.3
145	32.7	26.6	39.8





#71

Naphthalene

Concen: 22.358 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

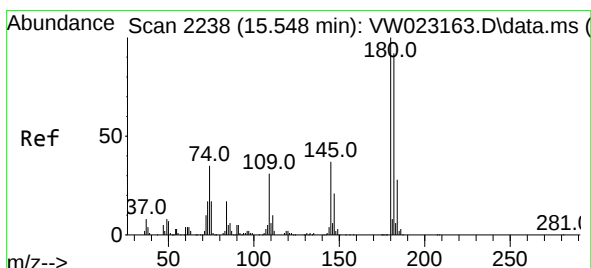
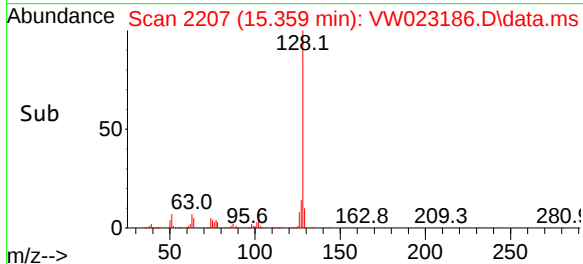
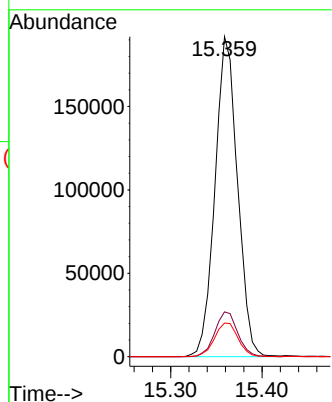
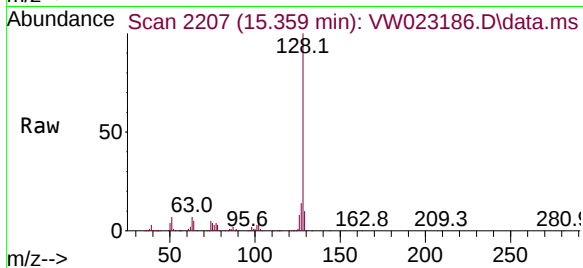
Tgt Ion:128 Resp: 328467

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 25.659 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023186.D

Acq: 20 May 2022 09:30

Tgt Ion:180 Resp: 153717

Ion Ratio Lower Upper

180 100

182 90.5 73.5 110.3

145 33.6 27.9 41.9

