

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052722\
 Data File : VW023365.D
 Acq On : 27 May 2022 12:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.03g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025557

Quant Time: May 27 22:04:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 27 22:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.836	114	308640	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	322975	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	185891	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	108733	17.171	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.680%
7) Chloroethane-d5	2.885	69	82370	19.995	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.960%
11) 1,1-Dichloroethene-d2	4.019	63	154676	18.905	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.600%
21) 2-Butanone-d5	7.074	46	53449	44.395	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.780%
24) Chloroform-d	7.647	84	215591	23.842	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.360%
26) 1,2-Dichloroethane-d4	8.305	65	112940	22.773	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.080%
32) Benzene-d6	8.275	84	389864	20.942	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.760%
36) 1,2-Dichloropropane-d6	9.275	67	117443	22.459	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.840%
41) Toluene-d8	10.323	98	381340	21.205	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.840%
43) trans-1,3-Dichloroprop...	10.579	79	52159	21.663	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.640%
47) 2-Hexanone-d5	10.921	63	44245	44.322	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.640%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	118720	24.357	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	148536	22.858	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.002	85	45785	27.212	ug/L	94
3) Chloromethane	2.215	50	102172	31.426	ug/L	98
5) Vinyl chloride	2.355	62	152342	23.348	ug/L	97
6) Bromomethane	2.776	94	80430	19.199	ug/L	88
8) Chloroethane	2.916	64	80005	25.422	ug/L	95
9) Trichlorofluoromethane	3.251	101	58850	19.733	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	108669	24.369	ug/L	97
12) 1,1-Dichloroethene	4.044	96	92626	23.432	ug/L	81
13) Acetone	4.123	43	31371	34.803	ug/L	99
14) Carbon disulfide	4.379	76	243636	22.481	ug/L	98
15) Methyl Acetate	4.666	43	43736	24.152	ug/L	99
16) Methylene chloride	4.916	84	113060	25.034	ug/L	99
17) trans-1,2-Dichloroethene	5.416	96	111289	25.017	ug/L	95
18) Methyl tert-butyl Ether	5.422	73	180915	26.641	ug/L	99
19) 1,1-Dichloroethane	6.214	63	198532	26.332	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	126295	26.432	ug/L #	98
22) 2-Butanone	7.171	43	57294	45.450	ug/L	97
23) Bromochloromethane	7.513	128	59288	26.495	ug/L	95
25) Chloroform	7.677	83	226790	27.204	ug/L	97

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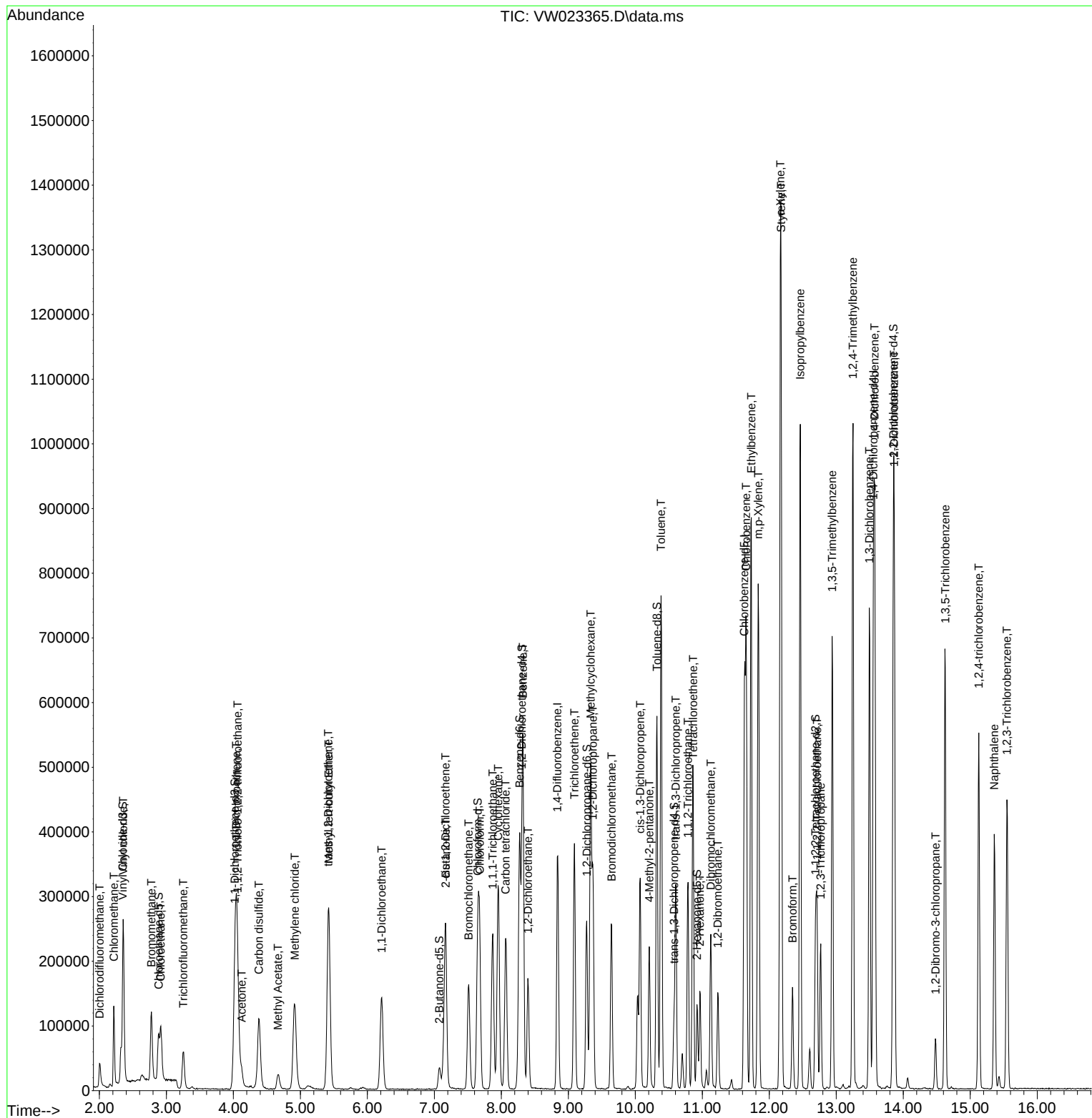
Quant Time: May 27 22:04:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 27 22:02:40 2022
 Response via : Initial Calibration

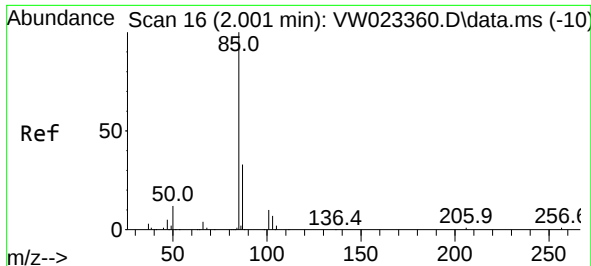
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	150199	27.028	ug/L	98
29) Cyclohexane	7.952	56	167705	24.009	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	191554	25.097	ug/L	100
31) Carbon tetrachloride	8.061	117	176694	24.748	ug/L	98
33) Benzene	8.324	78	479133	25.182	ug/L	100
34) Trichloroethene	9.092	95	127241	24.317	ug/L	96
35) Methylcyclohexane	9.336	83	205661	23.925	ug/L	98
37) 1,2-Dichloropropane	9.366	63	118675	25.774	ug/L	99
38) Bromodichloromethane	9.646	83	166753	25.498	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	185524	25.986	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	132591	45.688	ug/L	99
42) Toluene	10.384	91	555650	26.059	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	168690	26.472	ug/L	98
45) 1,1,2-Trichloroethane	10.787	97	100231	26.040	ug/L	98
46) Tetrachloroethene	10.866	164	100640	25.593	ug/L	86
48) 2-Hexanone	10.963	43	92567	47.738	ug/L	97
49) Dibromochloromethane	11.128	129	121605	26.250	ug/L	100
50) 1,2-Dibromoethane	11.232	107	95490	24.707	ug/L	97
51) Chlorobenzene	11.652	112	369962	26.318	ug/L	99
52) Ethylbenzene	11.731	91	640150	26.985	ug/L	99
53) m,p-Xylene	11.835	106	255588	27.344	ug/L	96
54) o-Xylene	12.164	106	246137	27.441	ug/L	100
55) Styrene	12.177	104	423899	27.812	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	123645	25.719	ug/L	95
59) Bromoform	12.347	173	65517	24.870	ug/L	98
60) Isopropylbenzene	12.463	105	660230	25.926	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	87032	23.432	ug/L	99
62) 1,3,5-Trimethylbenzene	12.939	105	367115	25.912	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	559813	26.315	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	294647	25.915	ug/L	91
65) 1,4-Dichlorobenzene	13.573	146	304619	25.938	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	276112	26.538	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	18442	22.719	ug/L	92
69) 1,3,5-Trichlorobenzene	14.627	180	200065	26.508	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	157684	25.973	ug/L	99
71) Naphthalene	15.359	128	327192	24.796	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	147941	27.494	ug/L	99

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

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

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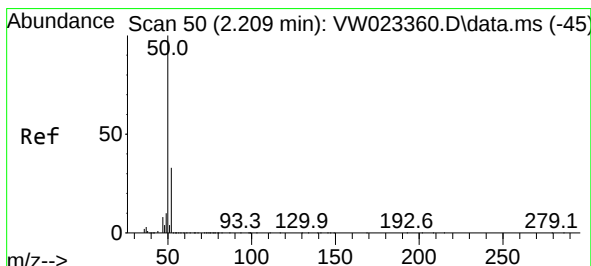
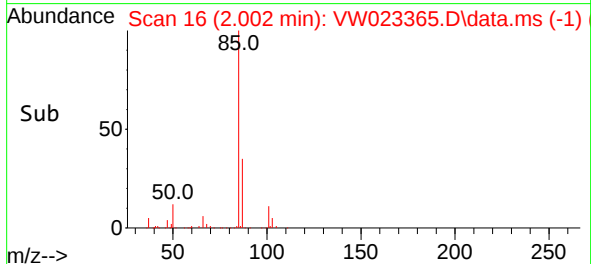
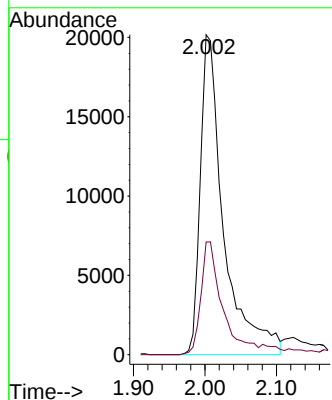
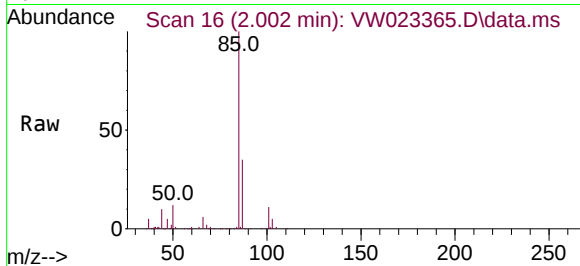




#2
 Dichlorodifluoromethane
 Concen: 27.212 ug/L
 RT: 2.002 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VW023365.D
 Acq: 27 May 2022 12:13

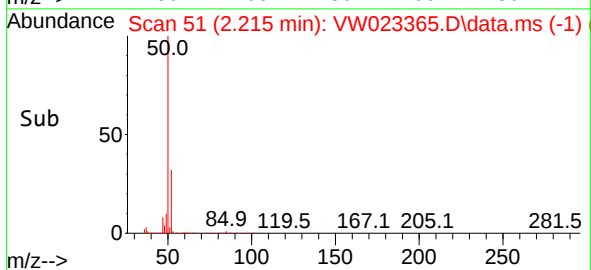
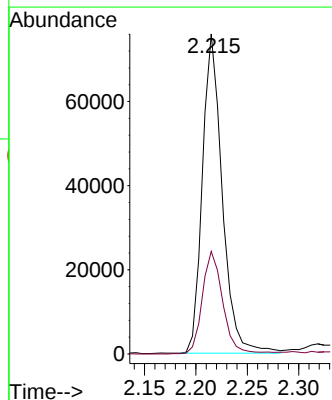
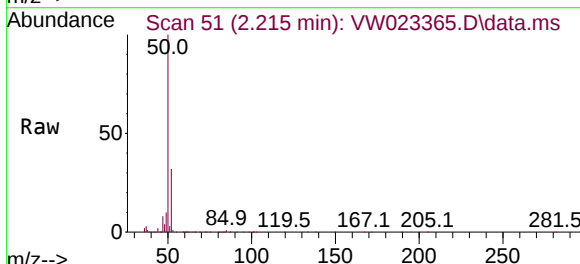
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025557

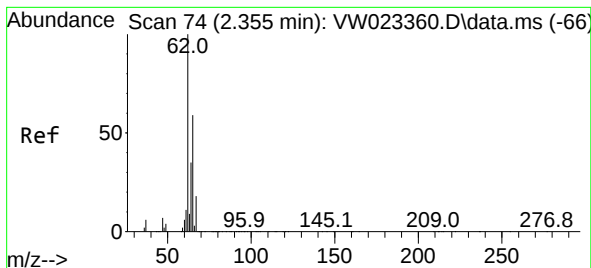
Tgt Ion: 85 Resp: 45785
 Ion Ratio Lower Upper
 85 100
 87 31.3 27.8 41.8



#3
 Chloromethane
 Concen: 31.426 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW023365.D
 Acq: 27 May 2022 12:13

Tgt Ion: 50 Resp: 102172
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.1 42.9





#5

Vinyl chloride

Concen: 23.348 ug/L

RT: 2.355 min Scan# 74

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

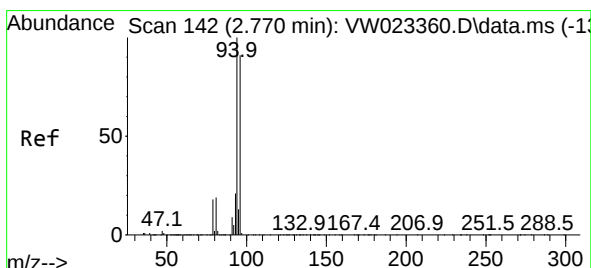
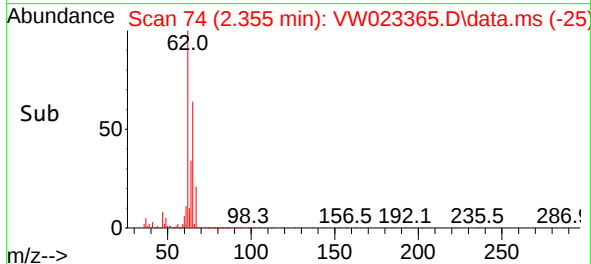
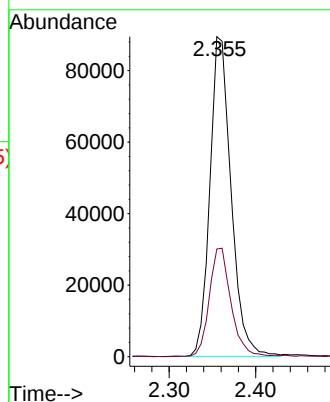
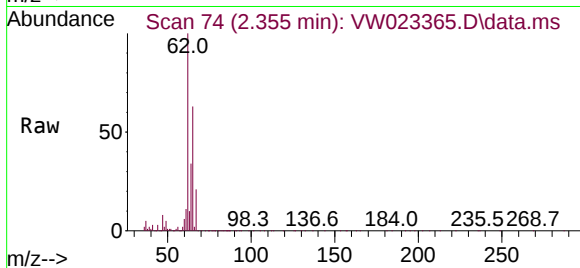
VSTD025557

Tgt Ion: 62 Resp: 152342

Ion Ratio Lower Upper

62 100

64 33.7 24.9 46.3



#6

Bromomethane

Concen: 19.199 ug/L

RT: 2.776 min Scan# 143

Delta R.T. 0.006 min

Lab File: VW023365.D

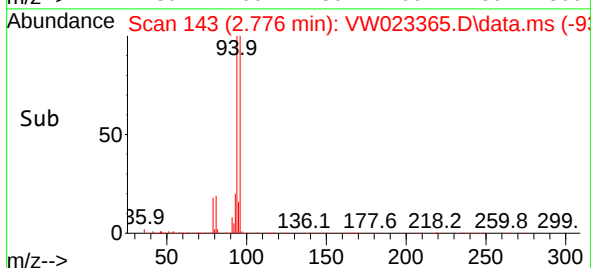
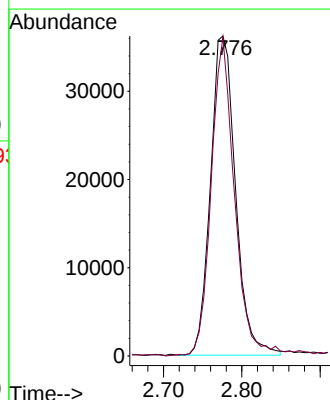
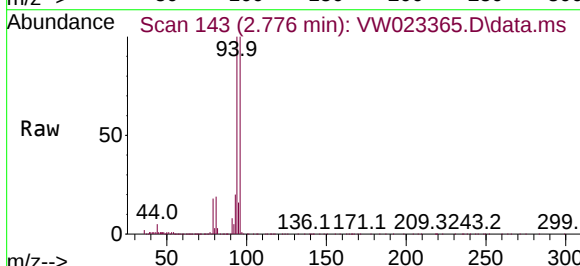
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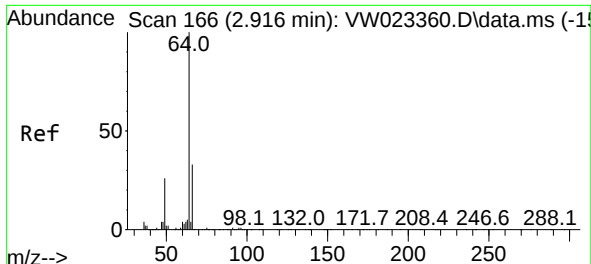
Tgt Ion: 94 Resp: 80430

Ion Ratio Lower Upper

94 100

96 99.6 61.7 114.5

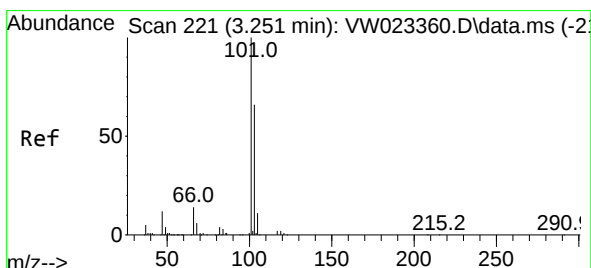
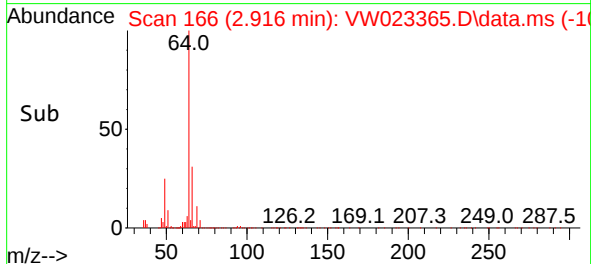
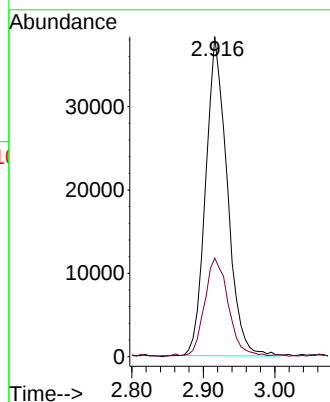
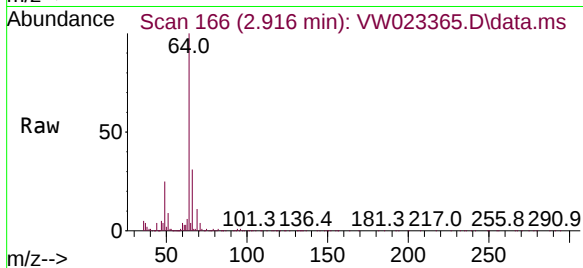




#8
Chloroethane
Concen: 25.422 ug/L
RT: 2.916 min Scan# 166
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

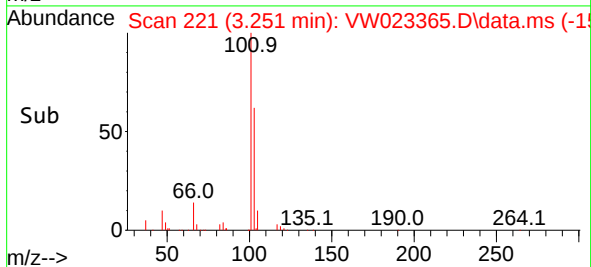
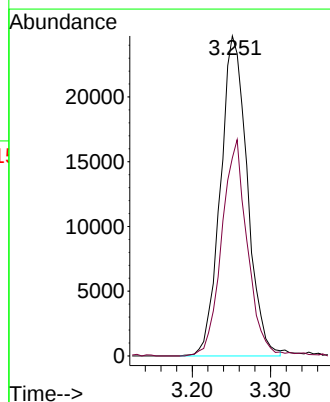
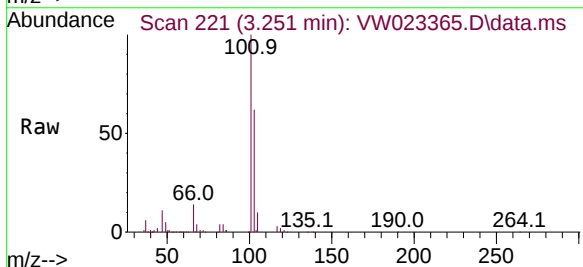
Instrument :
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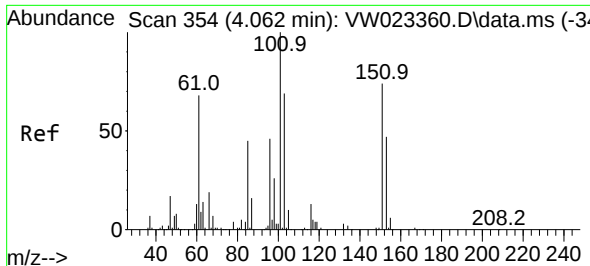
Tgt Ion: 64 Resp: 80005
Ion Ratio Lower Upper
64 100
66 30.8 23.4 43.6



#9
Trichlorofluoromethane
Concen: 19.733 ug/L
RT: 3.251 min Scan# 221
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 101 Resp: 58850
Ion Ratio Lower Upper
101 100
103 64.5 53.9 80.9

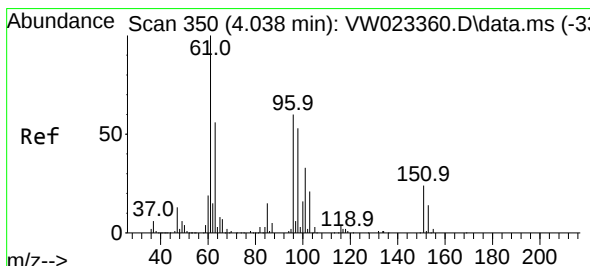
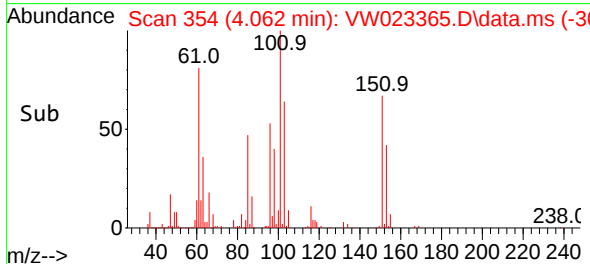
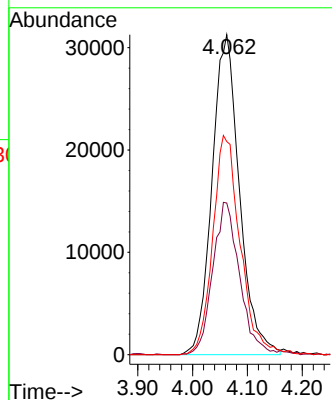
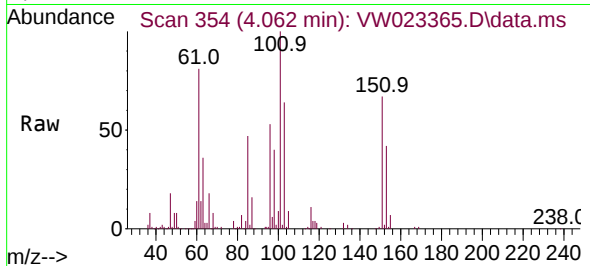




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.369 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW023365.D
 Acq: 27 May 2022 12:13

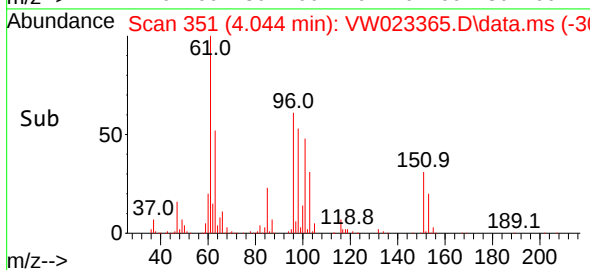
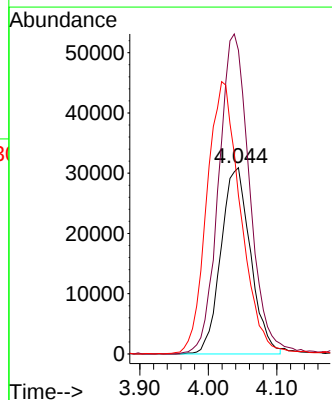
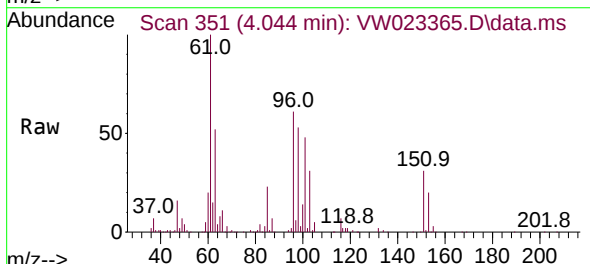
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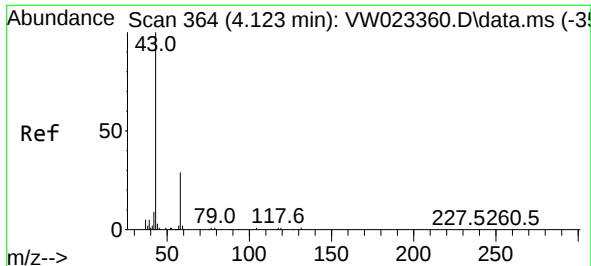
Tgt Ion:101 Resp: 108669
 Ion Ratio Lower Upper
 101 100
 85 46.5 34.3 51.5
 151 68.3 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 23.432 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW023365.D
 Acq: 27 May 2022 12:13

Tgt Ion: 96 Resp: 92626
 Ion Ratio Lower Upper
 96 100
 61 163.1 125.7 233.5
 63 85.1 83.4 155.0





#13

Acetone

Concen: 34.803 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

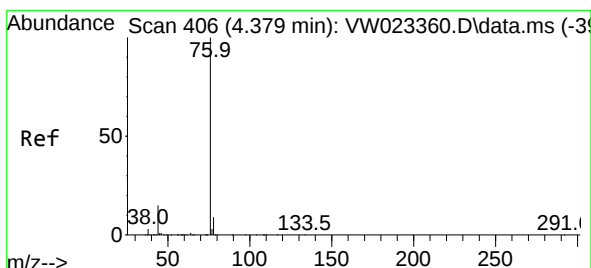
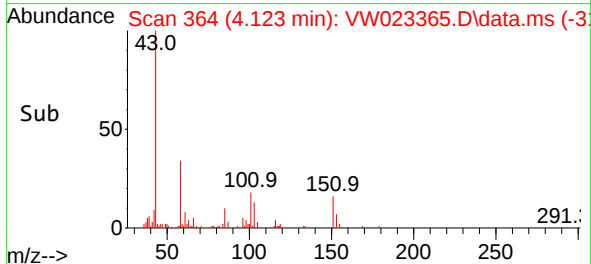
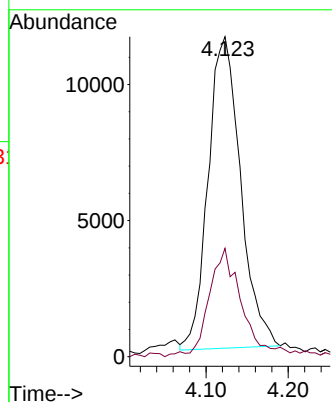
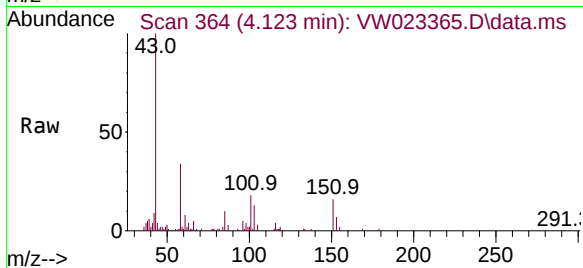
VSTD025557

Tgt Ion: 43 Resp: 31371

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.0



#14

Carbon disulfide

Concen: 22.481 ug/L

RT: 4.379 min Scan# 406

Delta R.T. 0.000 min

Lab File: VW023365.D

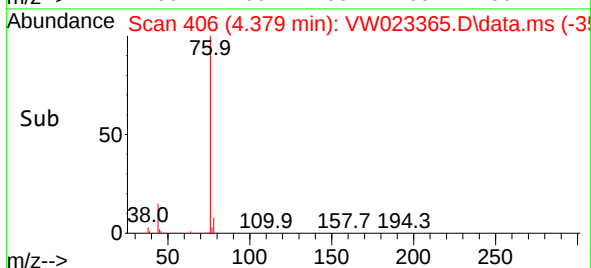
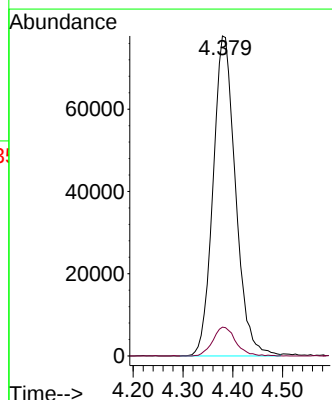
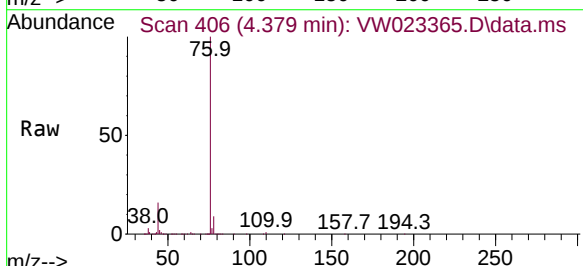
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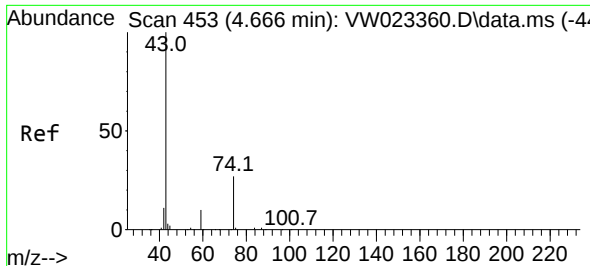
Tgt Ion: 76 Resp: 243636

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

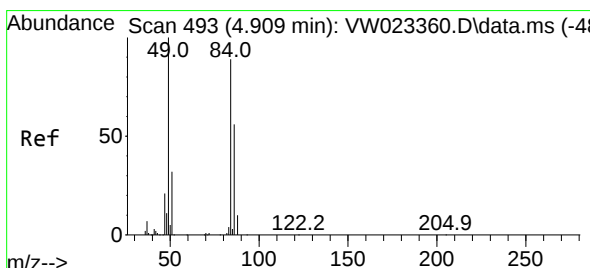
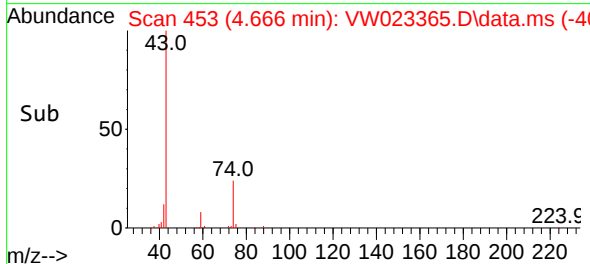
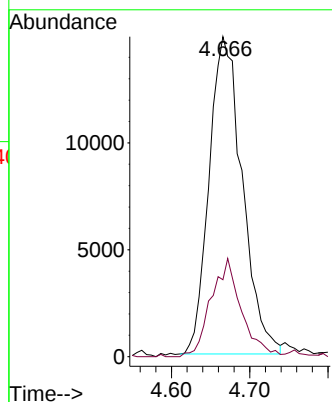
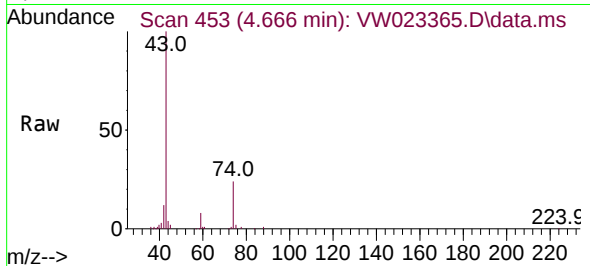




#15
Methyl Acetate
Concen: 24.152 ug/L
RT: 4.666 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

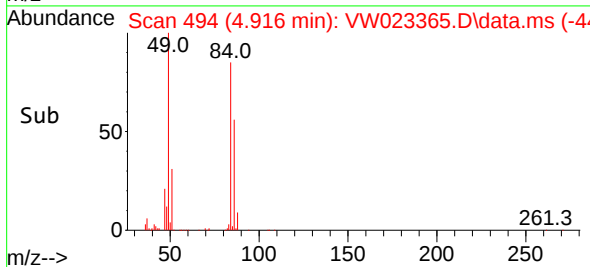
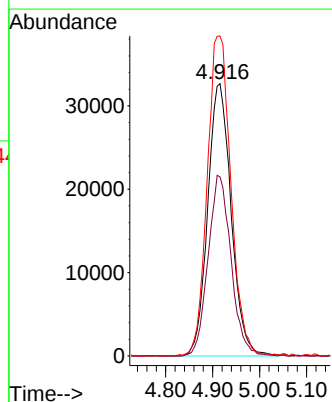
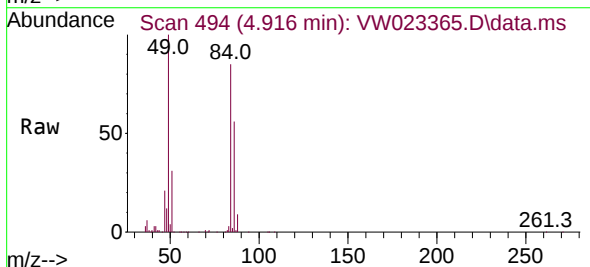
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

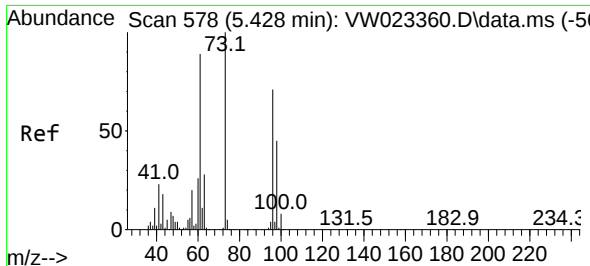
Tgt Ion: 43 Resp: 43736
Ion Ratio Lower Upper
43 100
74 28.1 21.9 32.9



#16
Methylene chloride
Concen: 25.034 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 84 Resp: 113060
Ion Ratio Lower Upper
84 100
86 65.8 45.4 84.4
49 117.5 82.5 153.1

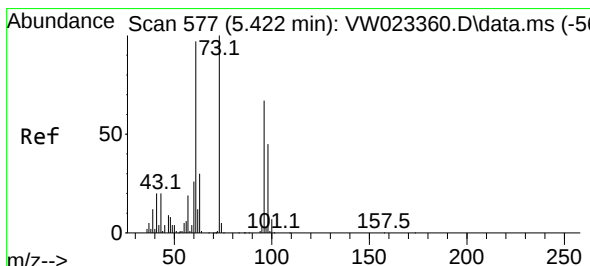
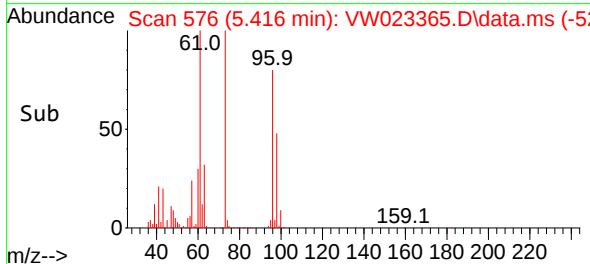
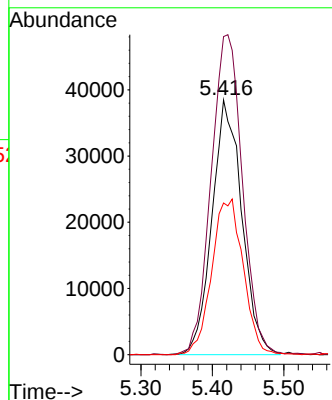
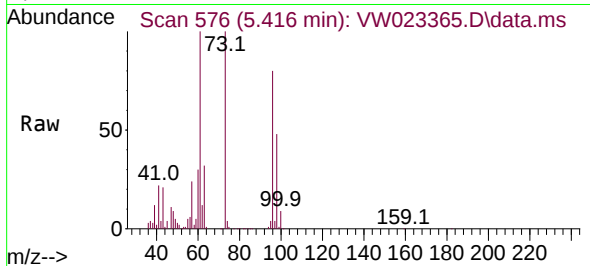




#17
trans-1,2-Dichloroethene
Concen: 25.017 ug/L
RT: 5.416 min Scan# 576
Delta R.T. -0.012 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

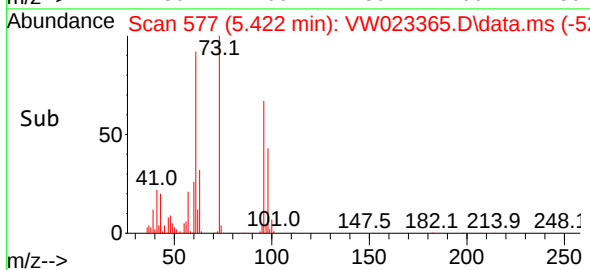
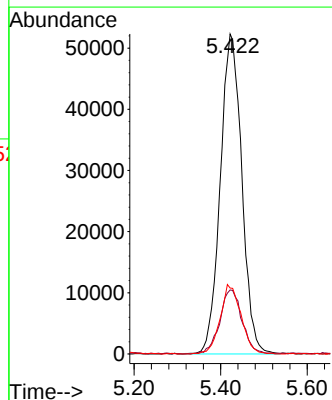
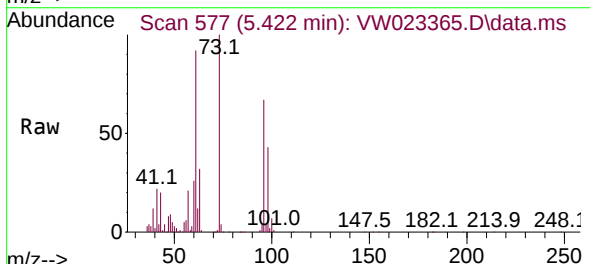
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

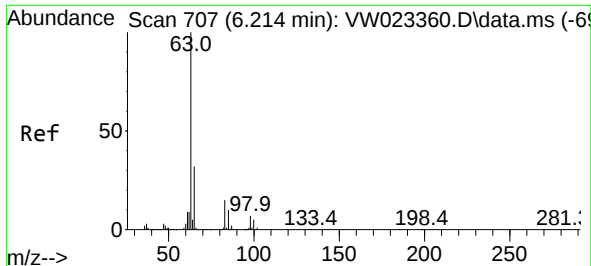
Tgt Ion: 96 Resp: 111289
Ion Ratio Lower Upper
96 100
61 124.9 92.2 171.2
98 59.5 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 26.641 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 73 Resp: 180915
Ion Ratio Lower Upper
73 100
43 20.8 15.9 23.9
57 20.9 16.5 24.7





#19

1,1-Dichloroethane

Concen: 26.332 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

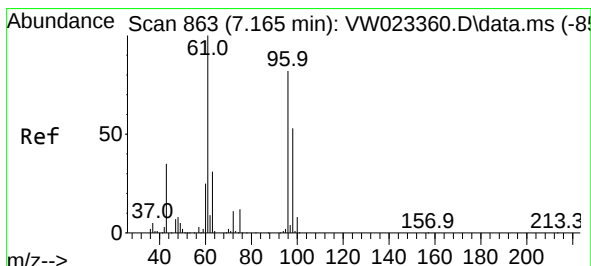
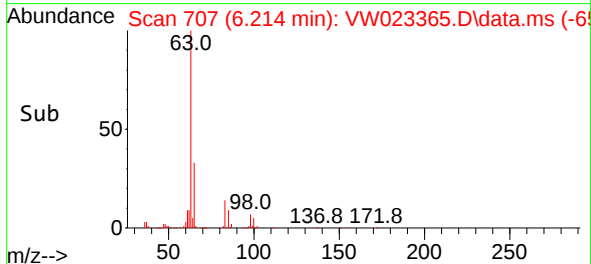
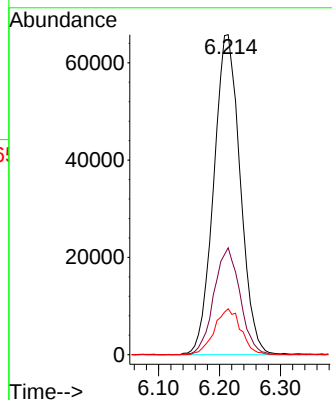
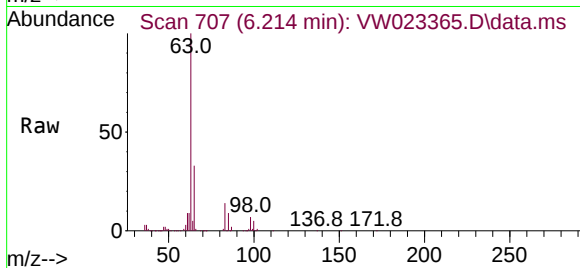
Tgt Ion: 63 Resp: 198532

Ion Ratio Lower Upper

63 100

65 33.4 23.3 43.3

83 14.4 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 26.432 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

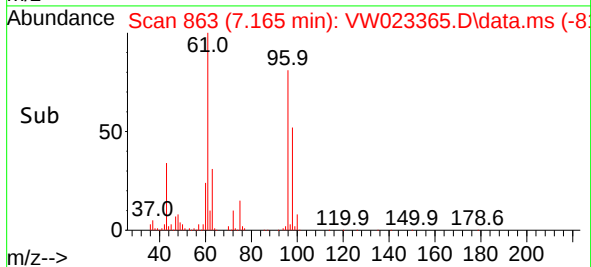
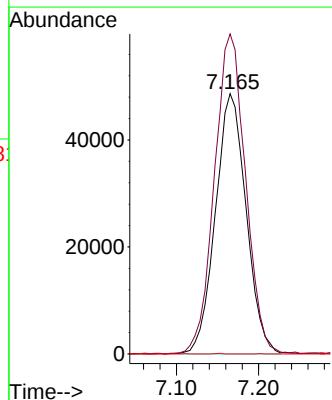
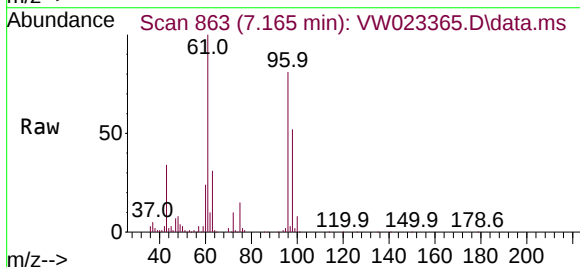
Tgt Ion: 96 Resp: 126295

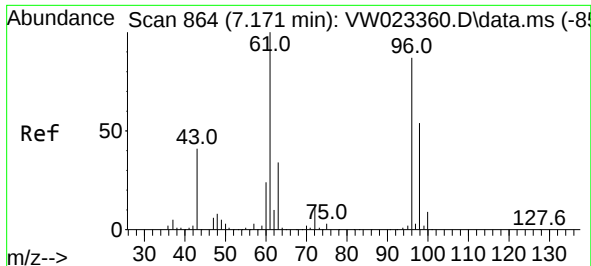
Ion Ratio Lower Upper

96 100

61 122.9 84.2 156.4

68 0.0 0.1 0.1#

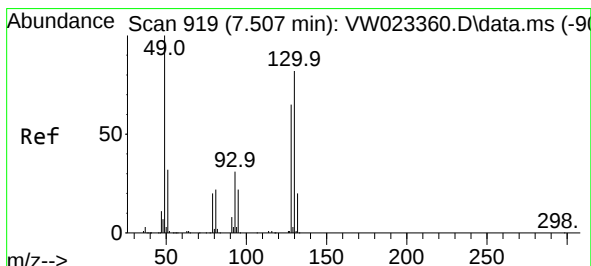
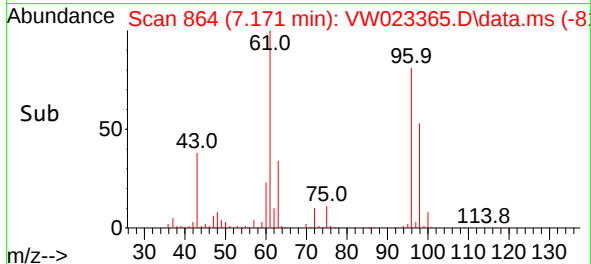
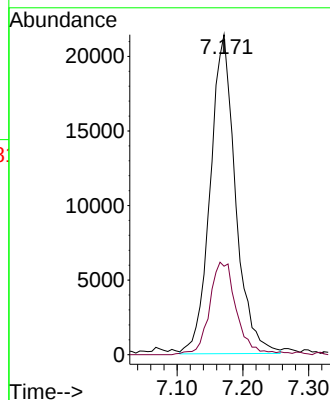
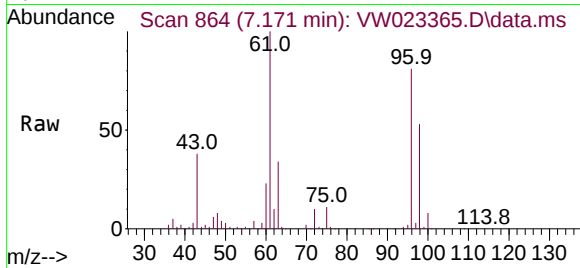




#22
2-Butanone
Concen: 45.450 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

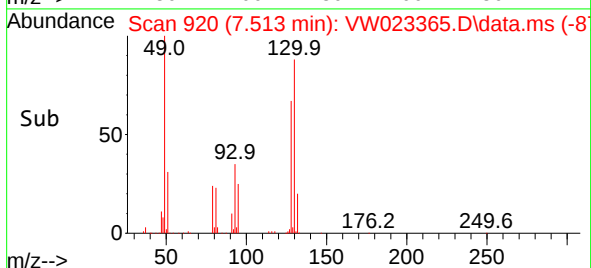
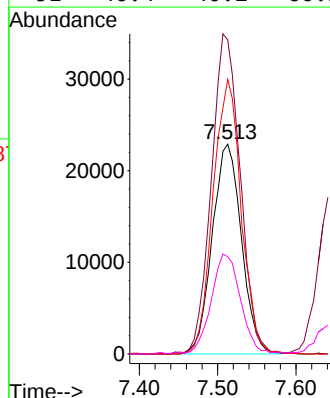
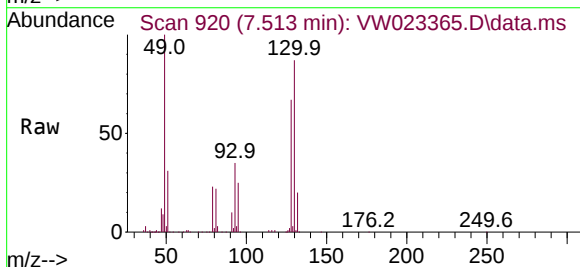
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

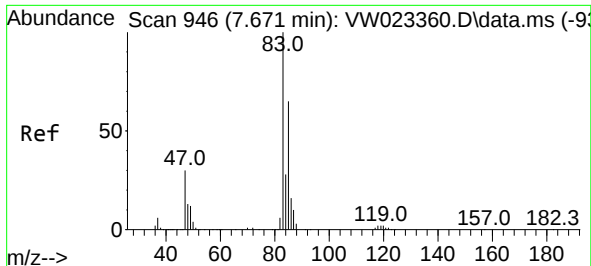
Tgt Ion: 43 Resp: 57294
Ion Ratio Lower Upper
43 100
72 28.5 15.1 45.3



#23
Bromochloromethane
Concen: 26.495 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.006 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 128 Resp: 59288
Ion Ratio Lower Upper
128 100
49 149.7 110.0 204.4
130 130.8 94.8 176.0
51 46.4 40.2 60.2

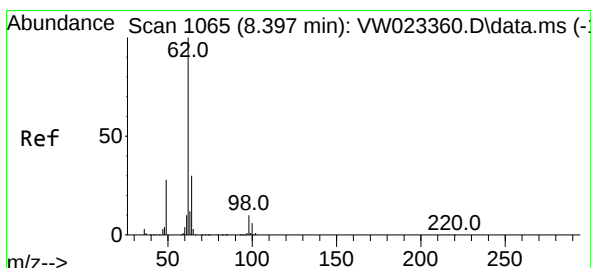
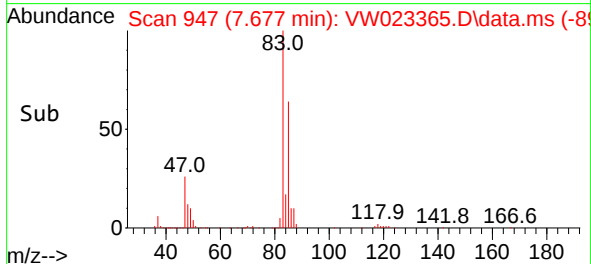
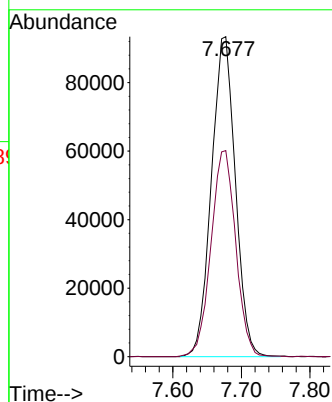
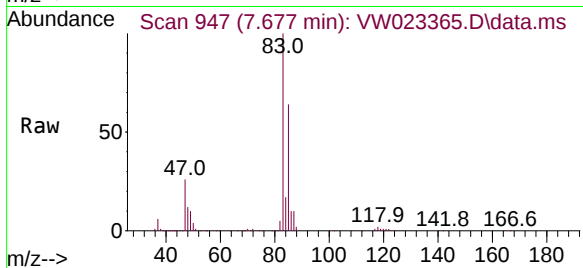




#25
Chloroform
Concen: 27.204 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

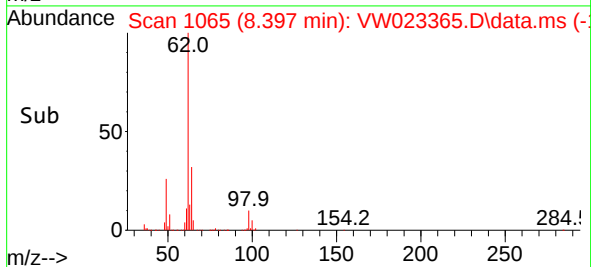
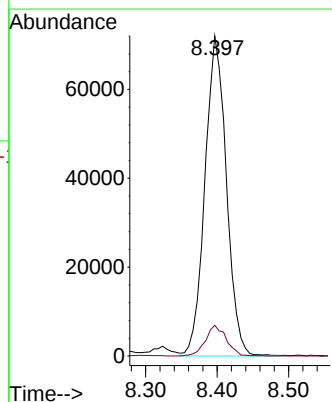
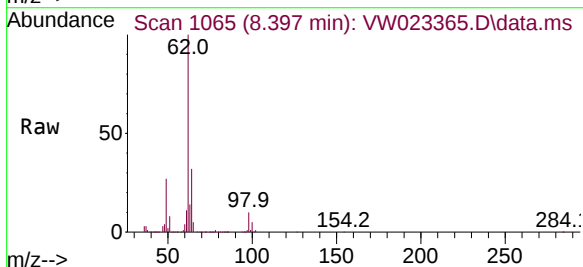
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

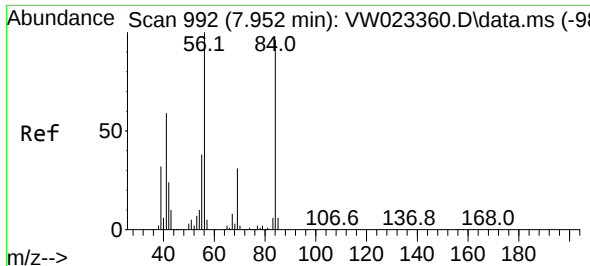
Tgt Ion: 83 Resp: 226790
Ion Ratio Lower Upper
83 100
85 64.4 46.6 86.6



#27
1,2-Dichloroethane
Concen: 27.028 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

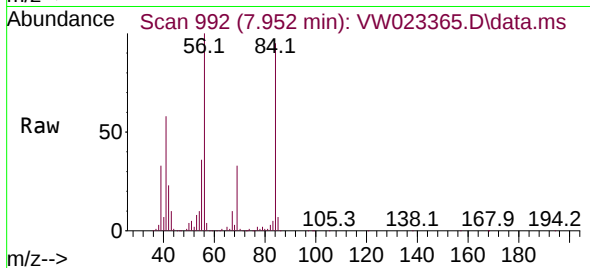
Tgt Ion: 62 Resp: 150199
Ion Ratio Lower Upper
62 100
98 9.6 7.2 10.8



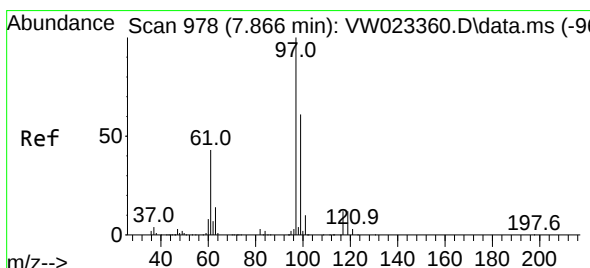
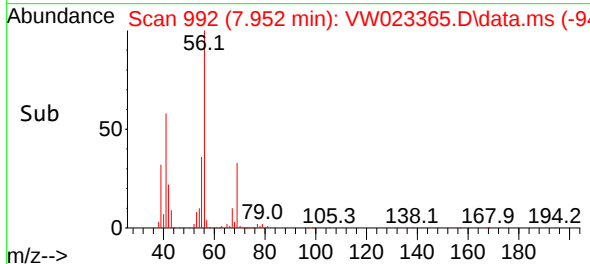
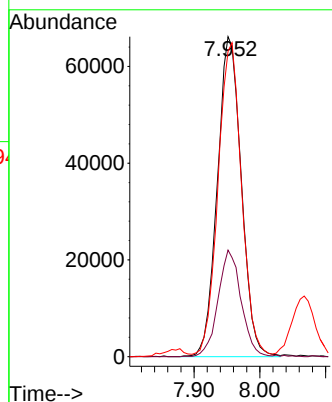


#29
Cyclohexane
Concen: 24.009 ug/L
RT: 7.952 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

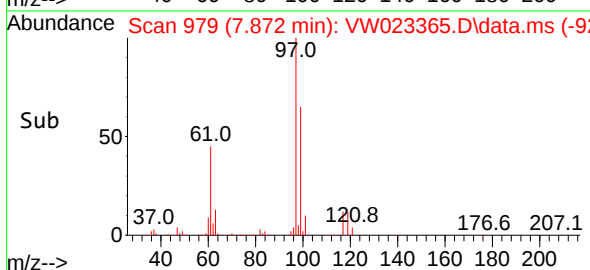
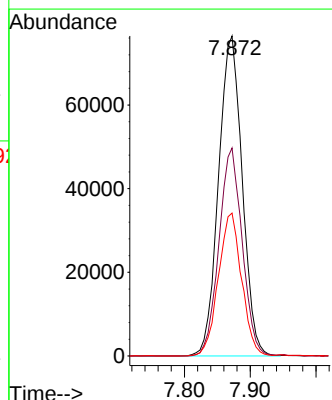
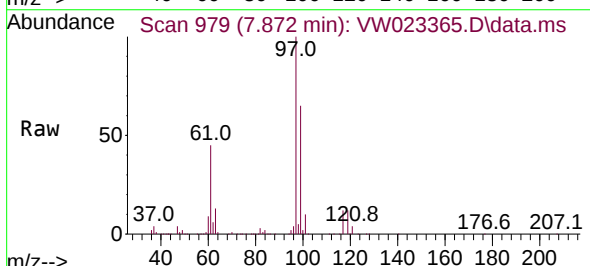


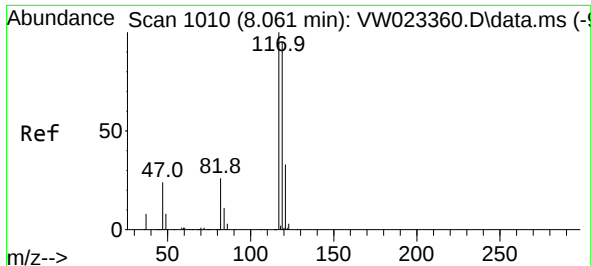
Tgt Ion: 56 Resp: 167705
Ion Ratio Lower Upper
56 100
69 31.9 25.6 38.4
84 96.7 78.2 117.4



#30
1,1,1-Trichloroethane
Concen: 25.097 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 97 Resp: 191554
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 43.9 34.8 52.2

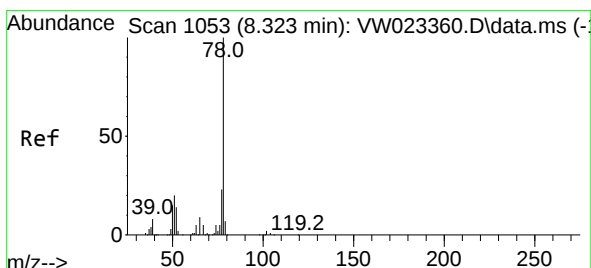
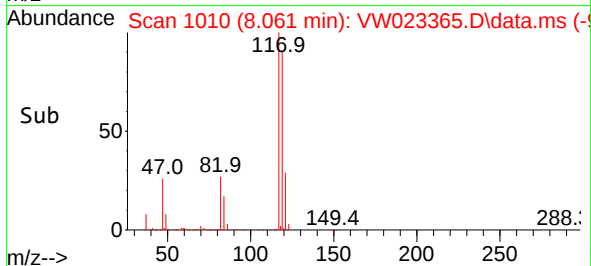
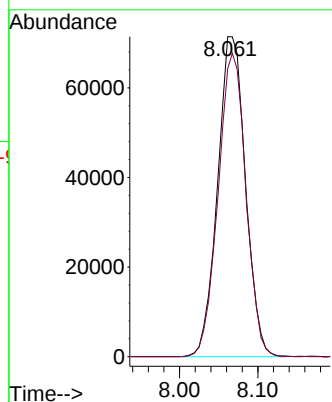
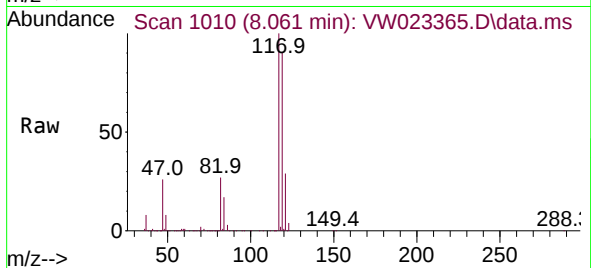




#31
Carbon tetrachloride
Concen: 24.748 ug/L
RT: 8.061 min Scan# 1010
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

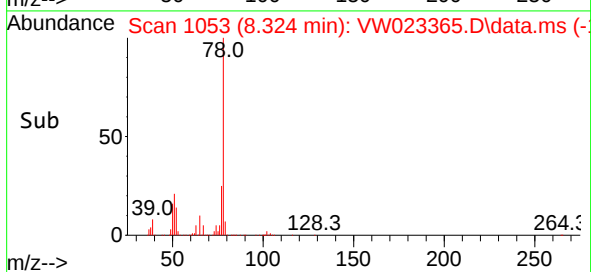
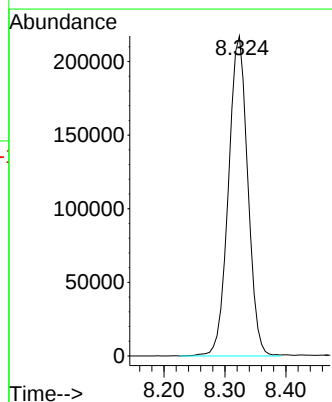
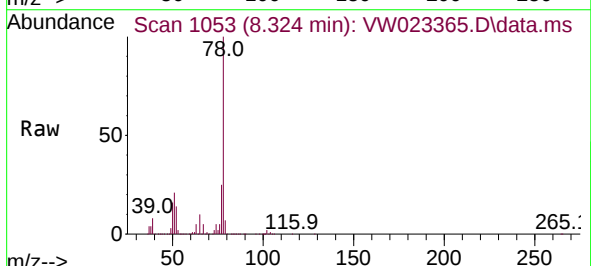
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

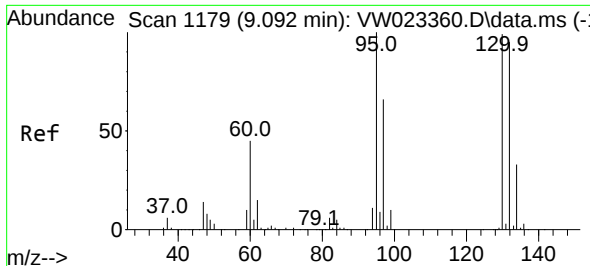
Tgt Ion:117 Resp: 176694
Ion Ratio Lower Upper
117 100
119 94.2 76.6 115.0



#33
Benzene
Concen: 25.182 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 78 Resp: 479133



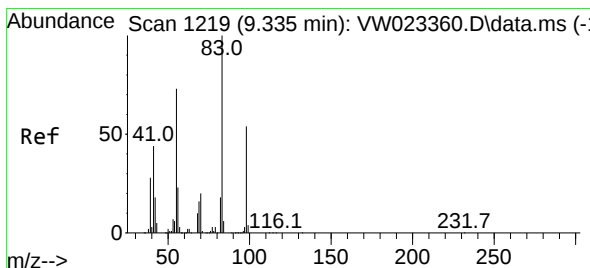
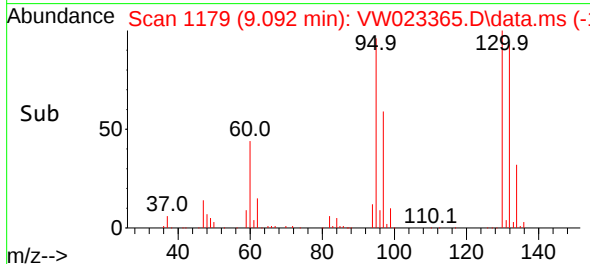
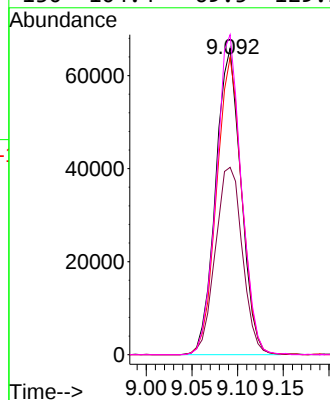
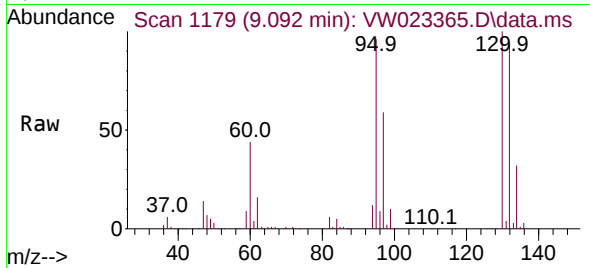


#34
Trichloroethene
Concen: 24.317 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

Tgt Ion: 95 Resp: 127241

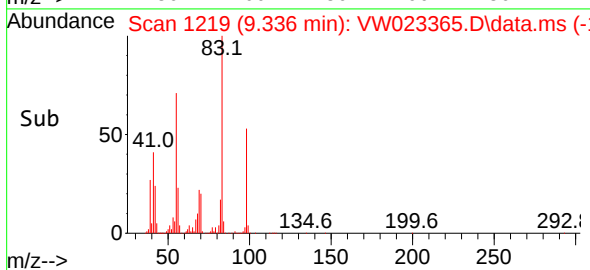
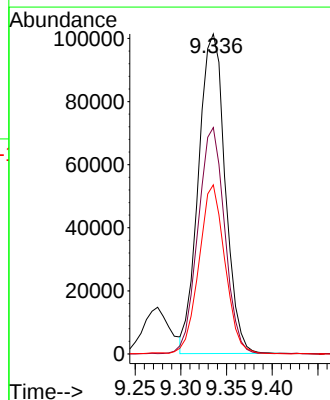
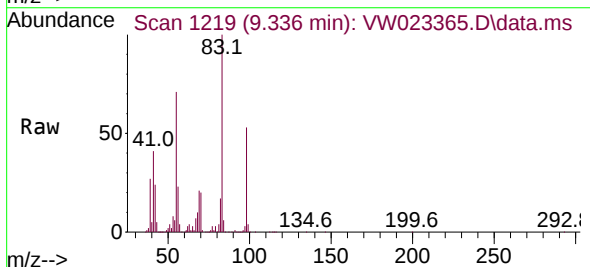
Ion	Ratio	Lower	Upper
95	100		
97	61.2	46.1	85.7
132	97.0	66.9	124.3
130	104.4	69.5	129.1

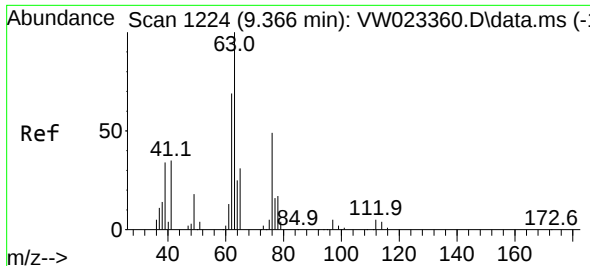


#35
Methylcyclohexane
Concen: 23.925 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion: 83 Resp: 205661

Ion	Ratio	Lower	Upper
83	100		
55	71.0	55.1	82.7
98	51.8	40.4	60.6





#37

1,2-Dichloropropane

Concen: 25.774 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

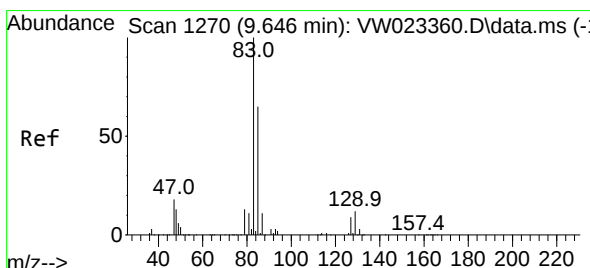
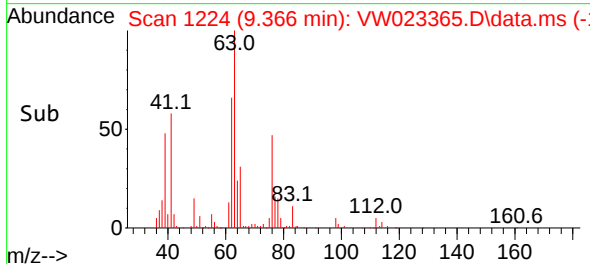
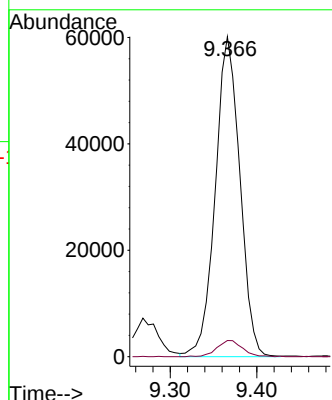
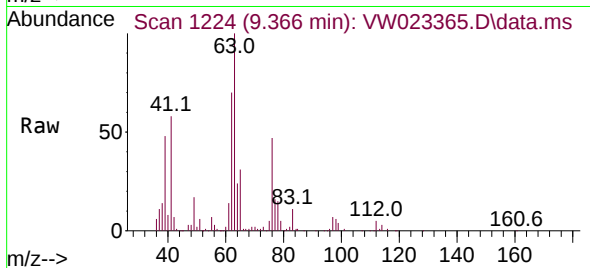
VSTD025557

Tgt Ion: 63 Resp: 118675

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 25.498 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

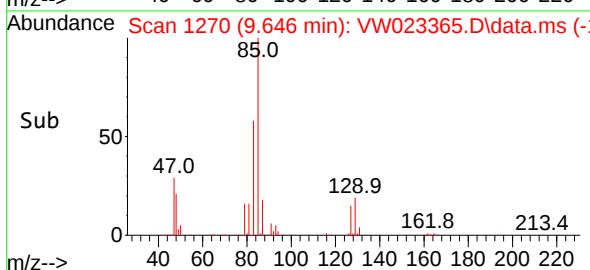
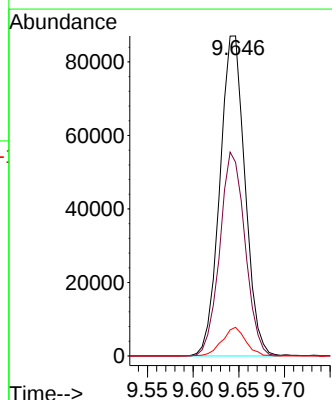
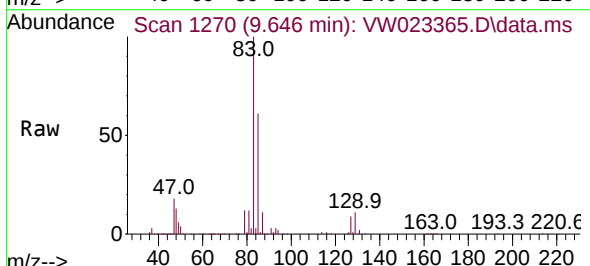
Tgt Ion: 83 Resp: 166753

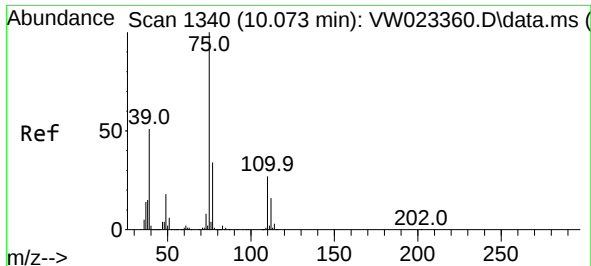
Ion Ratio Lower Upper

83 100

85 60.5 43.5 80.7

127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 25.986 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

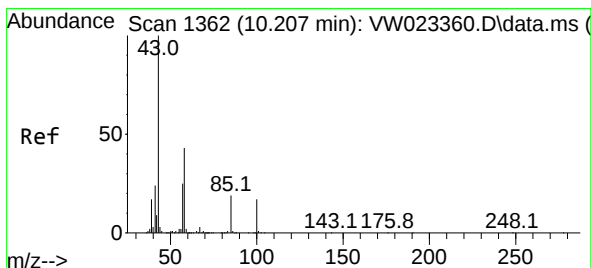
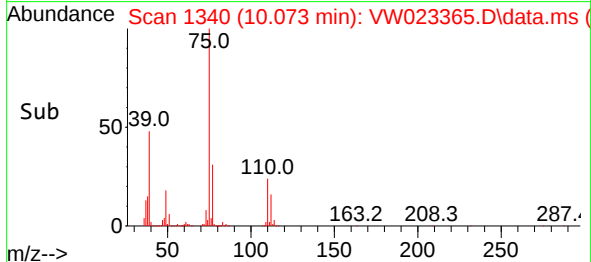
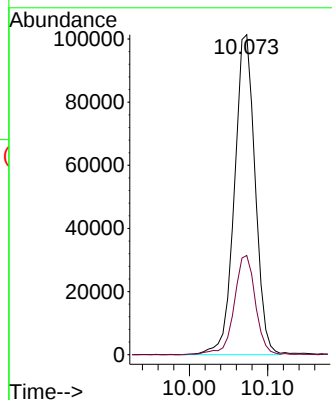
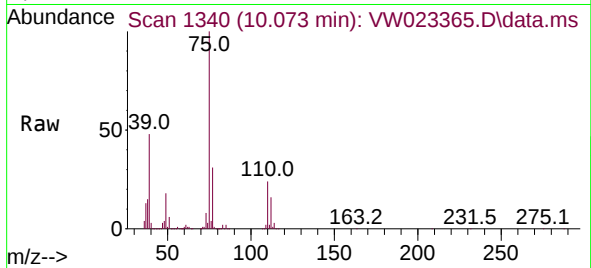
VSTD025557

Tgt Ion: 75 Resp: 185524

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 45.688 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

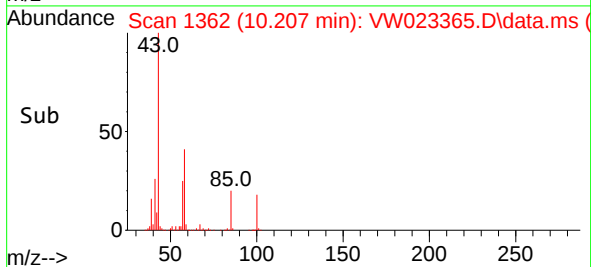
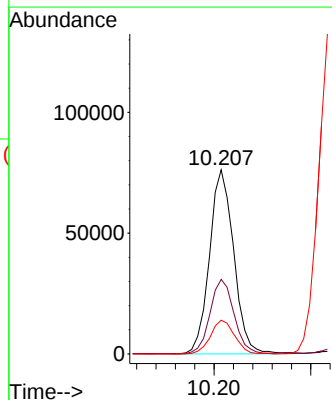
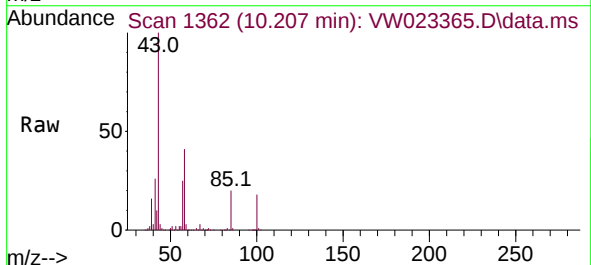
Tgt Ion: 43 Resp: 132591

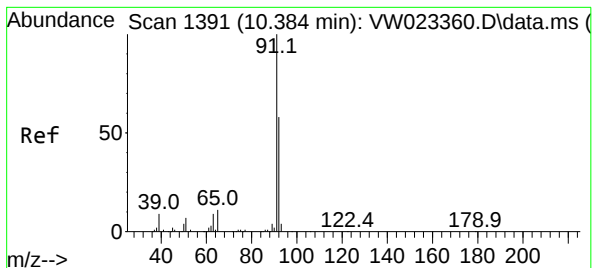
Ion Ratio Lower Upper

43 100

58 40.2 31.4 47.2

100 18.2 14.2 21.4





#42

Toluene

Concen: 26.059 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

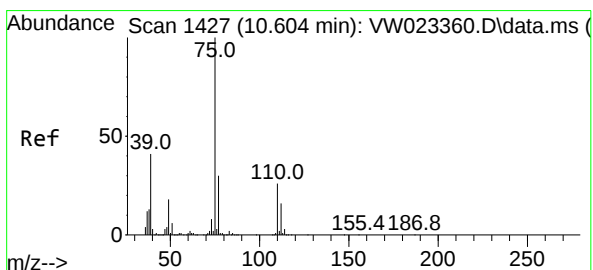
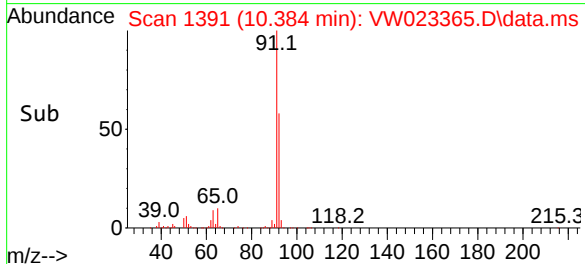
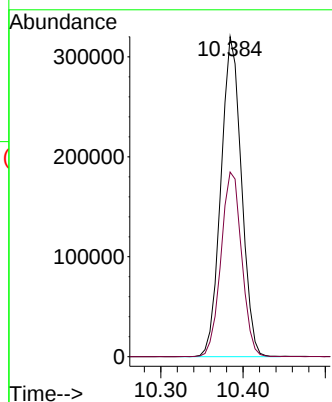
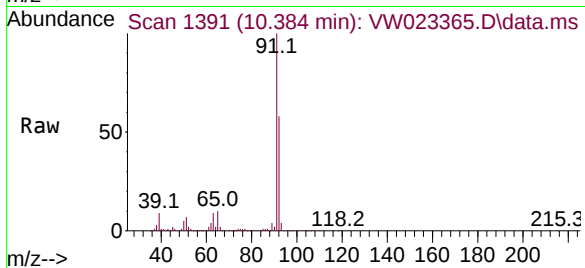
VSTD025557

Tgt Ion: 91 Resp: 555650

Ion Ratio Lower Upper

91 100

92 57.7 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 26.472 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW023365.D

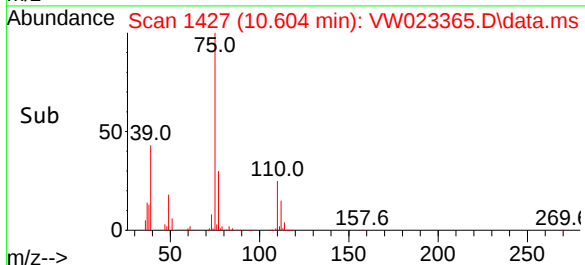
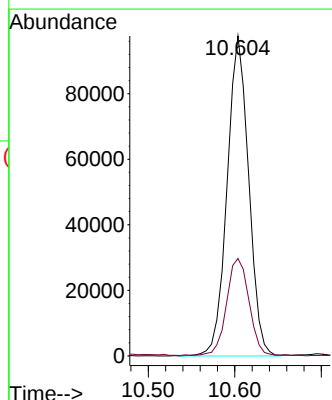
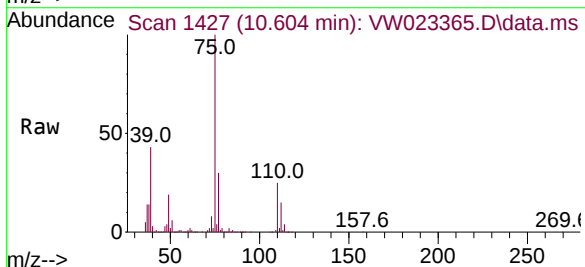
Acq: 27 May 2022 12:13

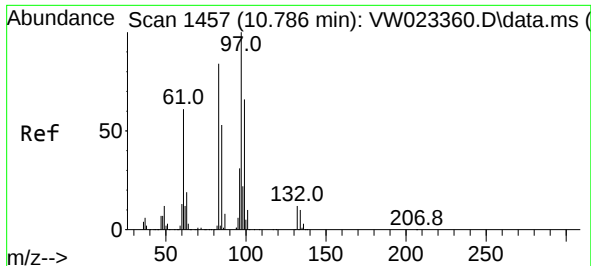
Tgt Ion: 75 Resp: 168690

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 26.040 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

Tgt Ion: 97 Resp: 100231

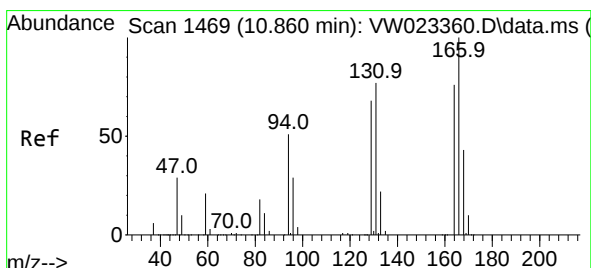
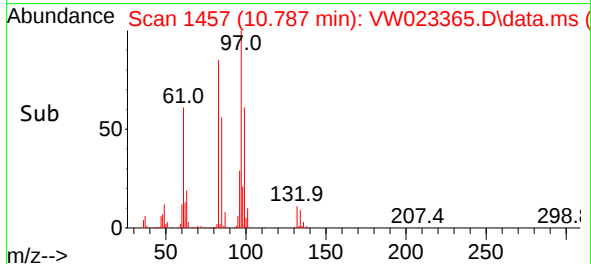
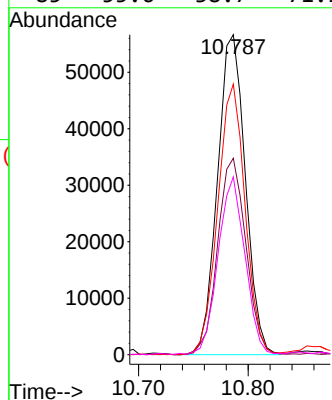
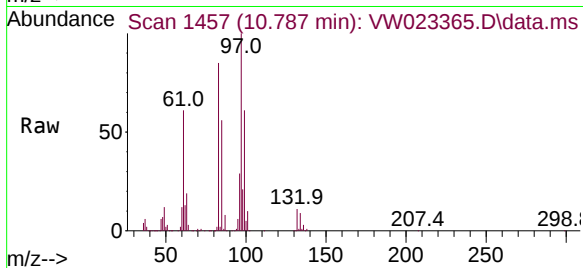
Ion Ratio Lower Upper

97 100

99 61.4 44.7 82.9

83 84.6 58.4 108.4

85 55.6 38.7 71.9



#46

Tetrachloroethene

Concen: 25.593 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Tgt Ion:164 Resp: 100640

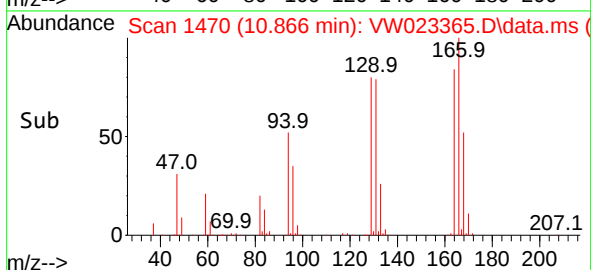
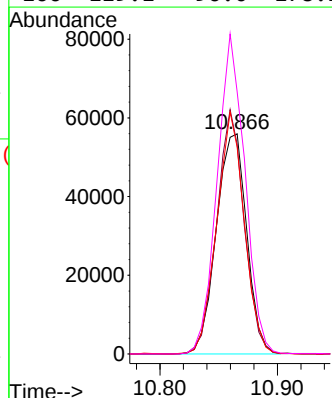
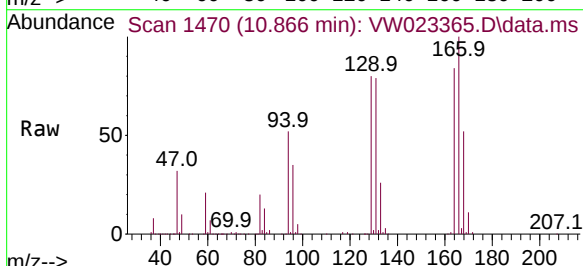
Ion Ratio Lower Upper

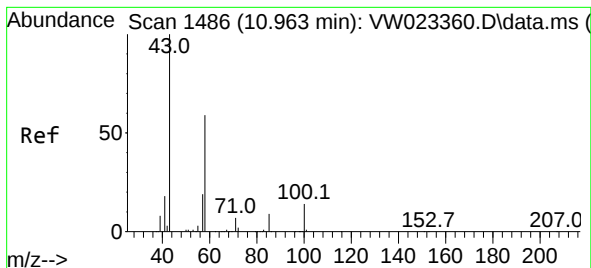
164 100

129 95.2 76.9 142.7

131 93.9 75.1 139.5

166 119.1 96.0 178.2





#48

2-Hexanone

Concen: 47.738 ug/L

RT: 10.963 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

Tgt Ion: 43 Resp: 92567

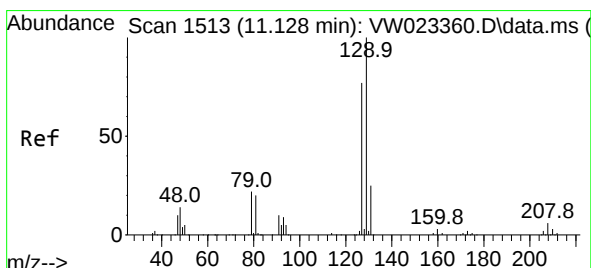
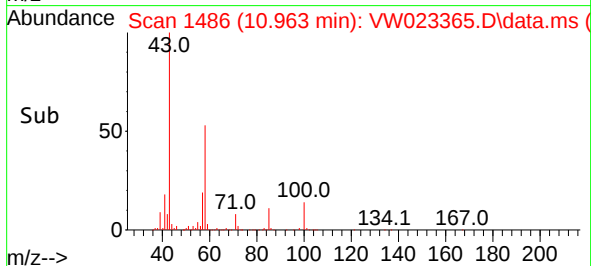
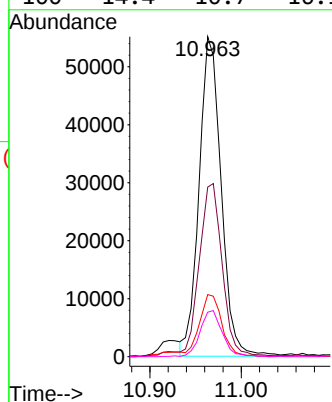
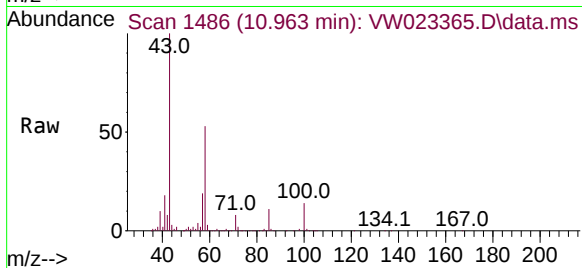
Ion Ratio Lower Upper

43 100

58 54.4 45.9 68.9

57 19.7 16.2 24.2

100 14.4 10.7 16.1



#49

Dibromochloromethane

Concen: 26.250 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW023365.D

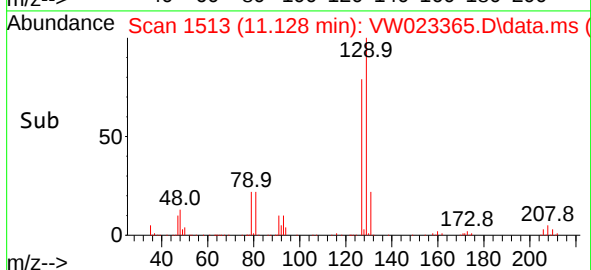
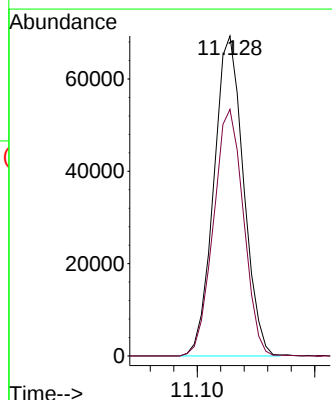
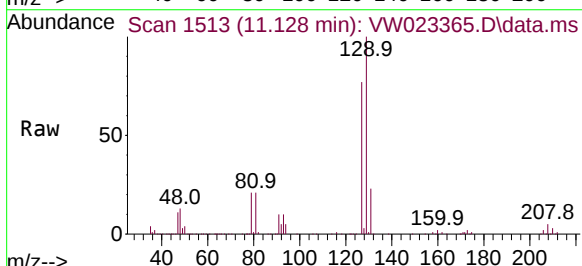
Acq: 27 May 2022 12:13

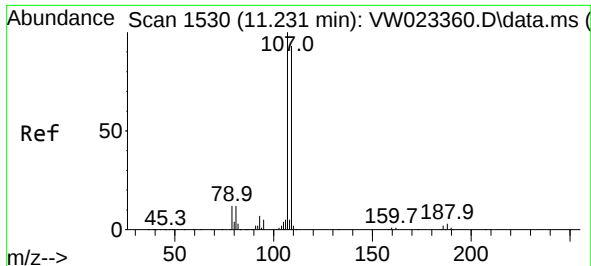
Tgt Ion: 129 Resp: 121605

Ion Ratio Lower Upper

129 100

127 77.1 53.8 100.0





#50

1,2-Dibromoethane

Concen: 24.707 ug/L

RT: 11.232 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

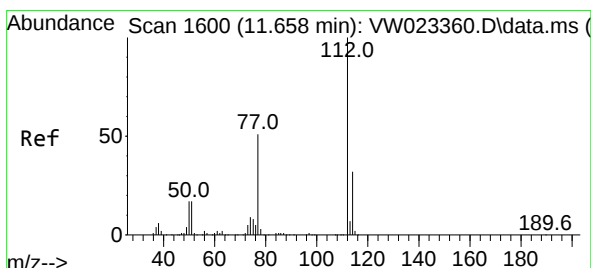
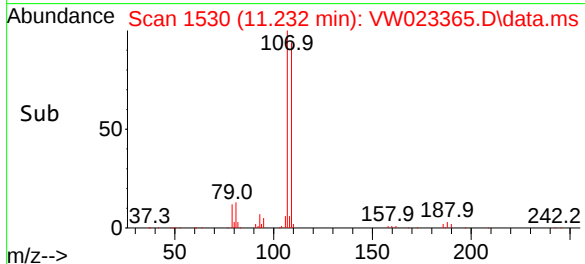
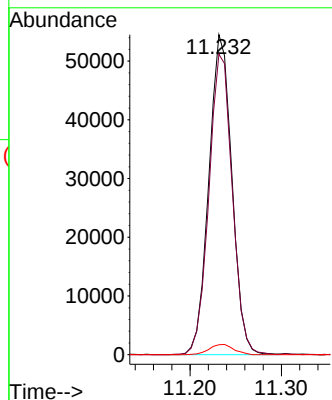
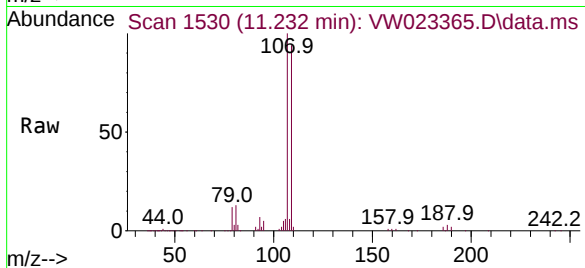
Tgt Ion:107 Resp: 95490

Ion Ratio Lower Upper

107 100

109 93.9 67.5 125.4

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 26.318 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

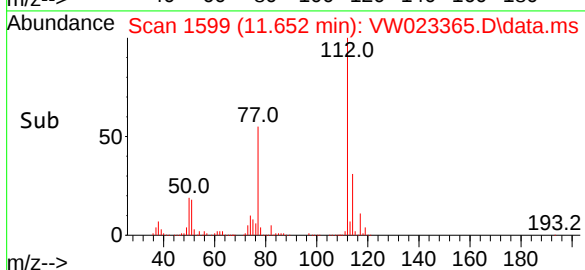
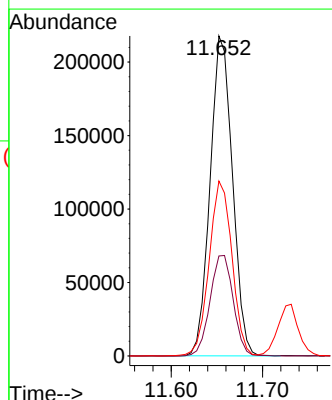
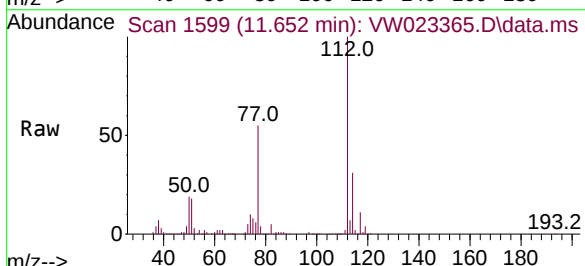
Tgt Ion:112 Resp: 369962

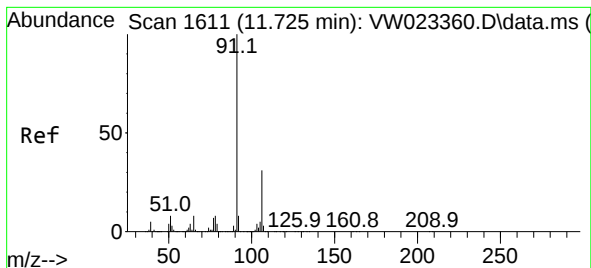
Ion Ratio Lower Upper

112 100

114 31.3 22.0 41.0

77 54.6 42.6 63.8





#52

Ethylbenzene

Concen: 26.985 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

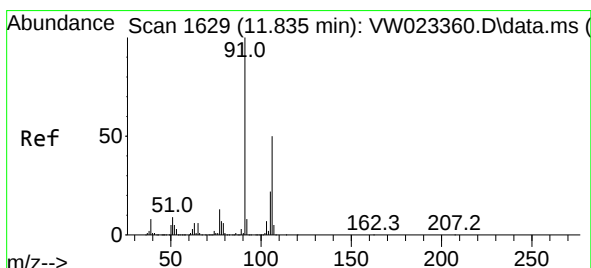
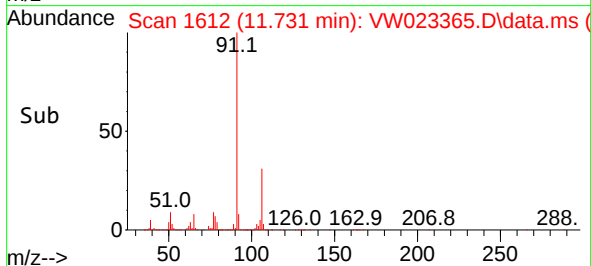
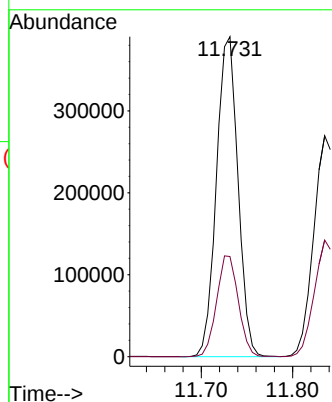
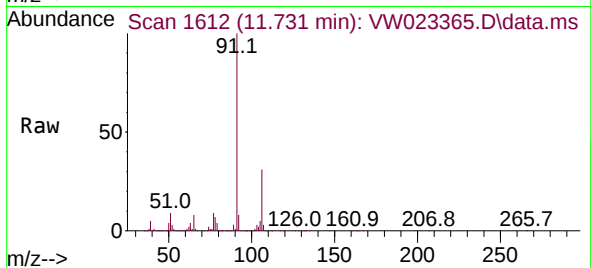
VSTD025557

Tgt Ion: 91 Resp: 640150

Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.3



#53

m,p-Xylene

Concen: 27.344 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW023365.D

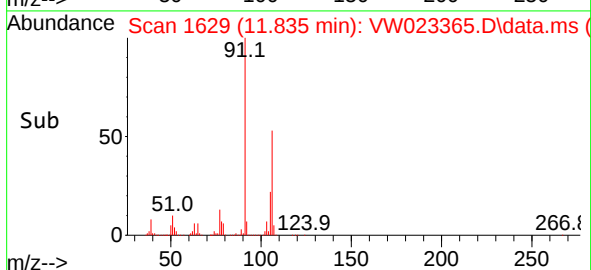
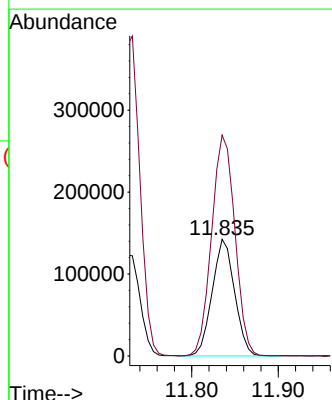
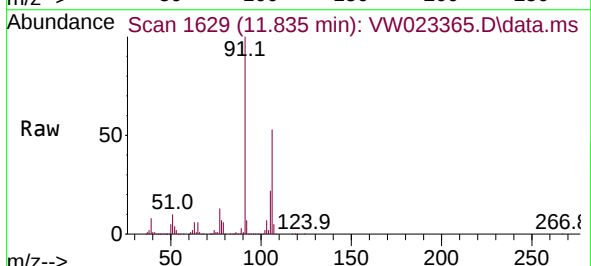
Acq: 27 May 2022 12:13

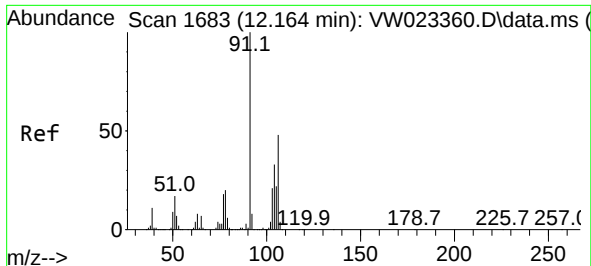
Tgt Ion:106 Resp: 255588

Ion Ratio Lower Upper

106 100

91 189.4 136.8 254.0

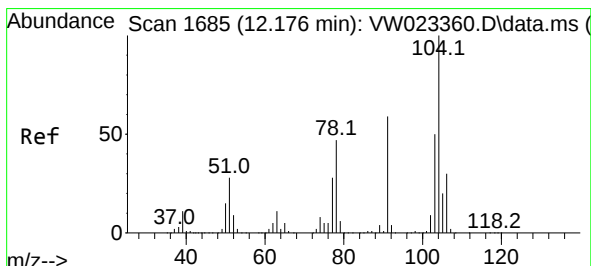
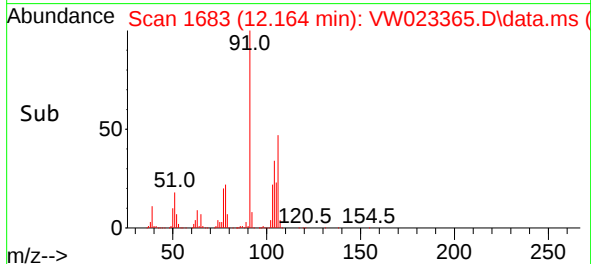
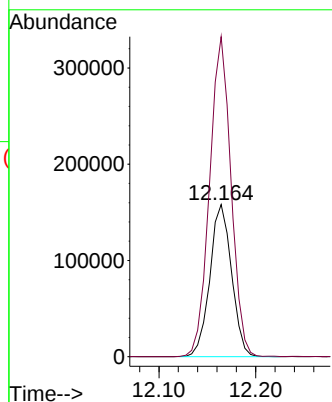
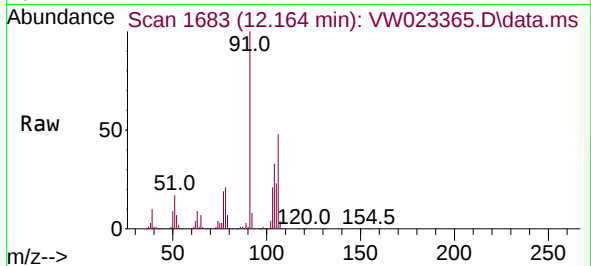




#54
o-Xylene
Concen: 27.441 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

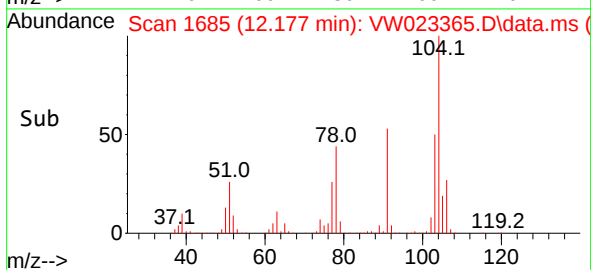
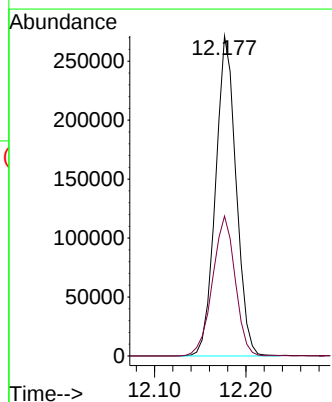
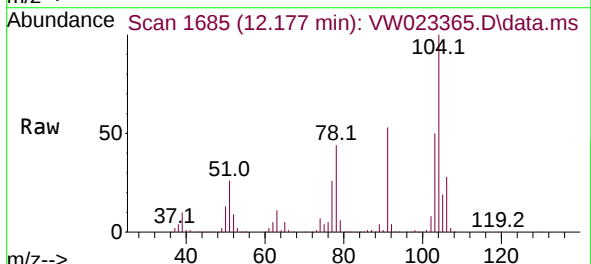
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

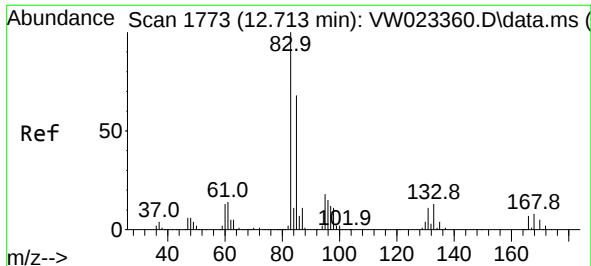
Tgt Ion:106 Resp: 246137
Ion Ratio Lower Upper
106 100
91 210.3 147.2 273.4



#55
Styrene
Concen: 27.812 ug/L
RT: 12.177 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion:104 Resp: 423899
Ion Ratio Lower Upper
104 100
78 43.7 32.3 59.9





#57

1,1,2-Tetrachloroethane

Concen: 25.719 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

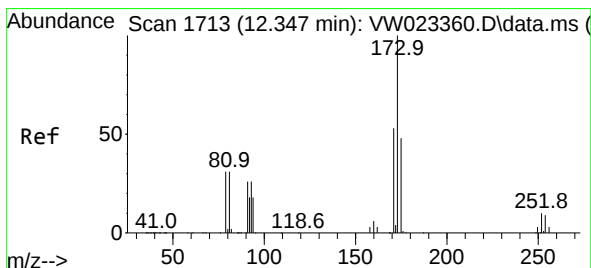
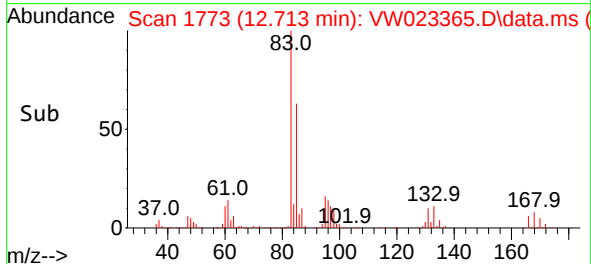
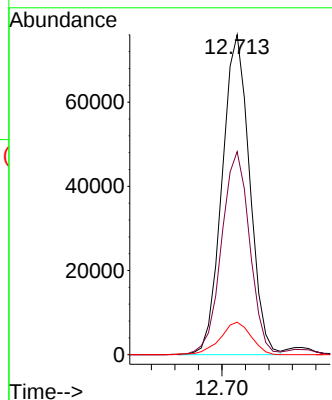
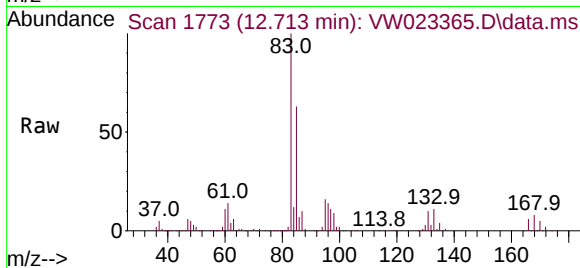
Tgt Ion: 83 Resp: 123645

Ion Ratio Lower Upper

83 100

85 63.4 47.5 88.1

131 10.2 8.7 13.1



#59

Bromoform

Concen: 24.870 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

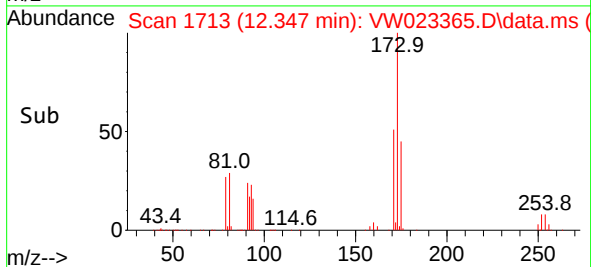
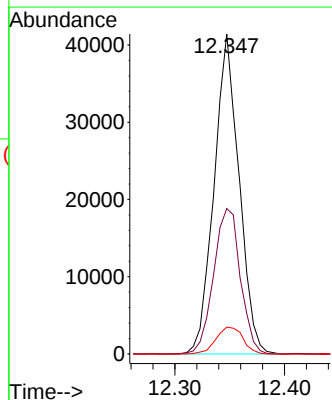
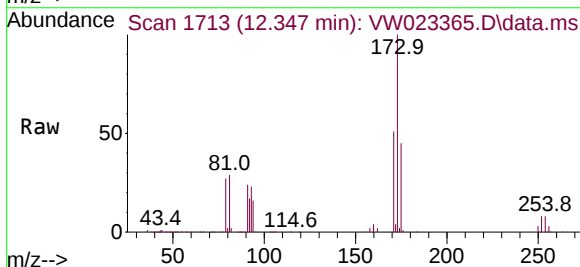
Tgt Ion: 173 Resp: 65517

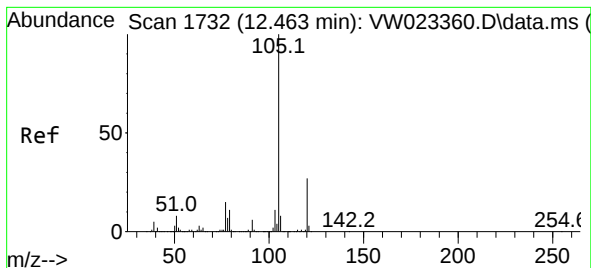
Ion Ratio Lower Upper

173 100

175 48.7 38.1 57.1

254 9.0 6.5 9.7





#60

Isopropylbenzene

Concen: 25.926 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

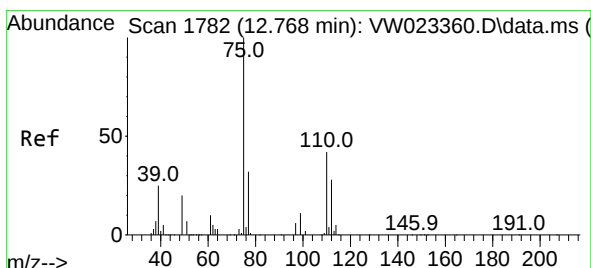
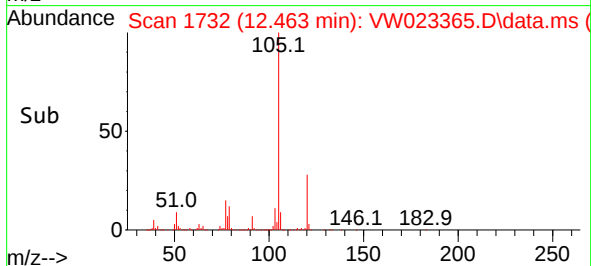
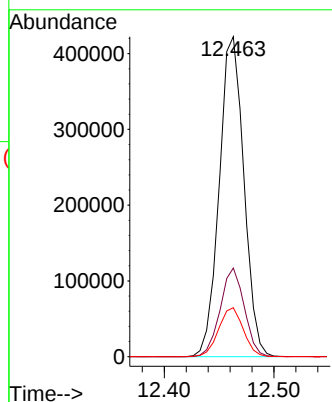
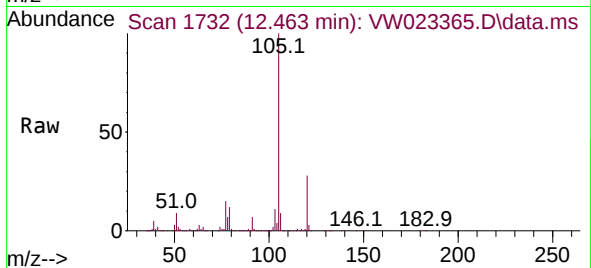
Tgt Ion:105 Resp: 660230

Ion Ratio Lower Upper

105 100

120 27.1 21.3 31.9

77 15.4 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 23.432 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

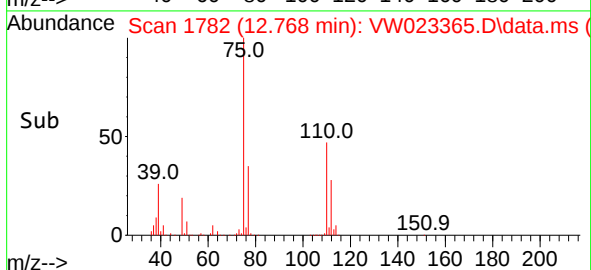
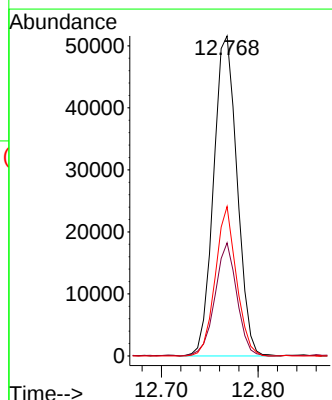
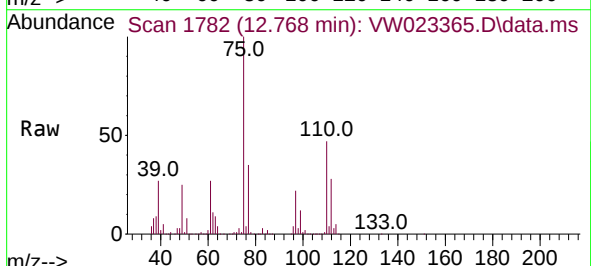
Tgt Ion: 75 Resp: 87032

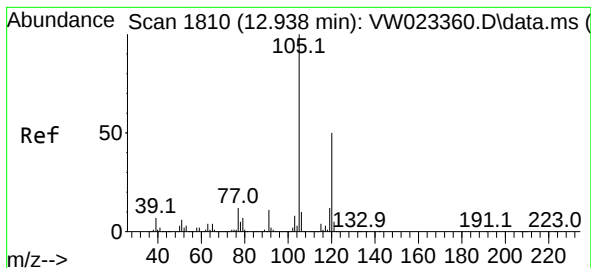
Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

110 42.0 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 25.912 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

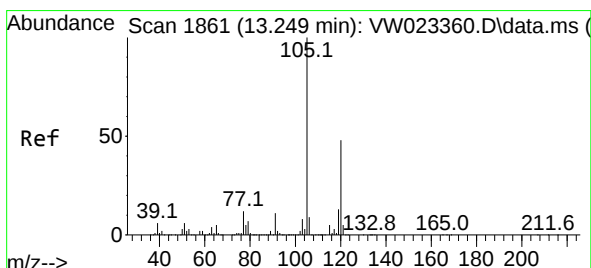
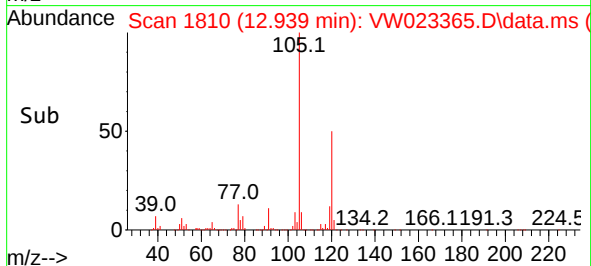
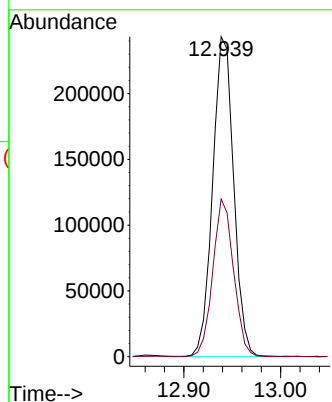
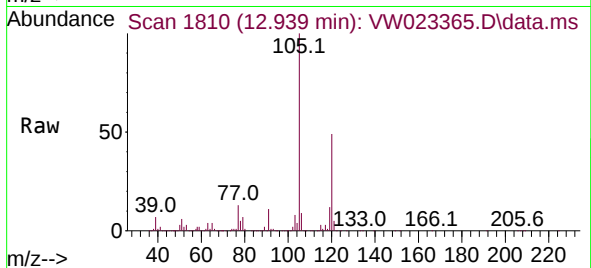
VSTD025557

Tgt Ion:105 Resp: 367115

Ion Ratio Lower Upper

105 100

120 48.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 26.315 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023365.D

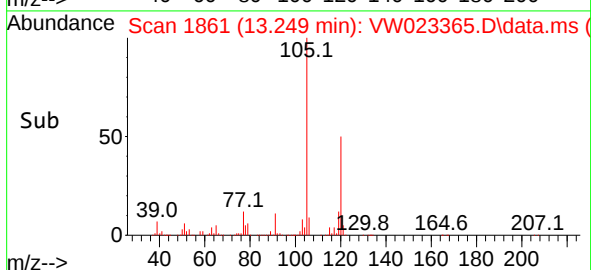
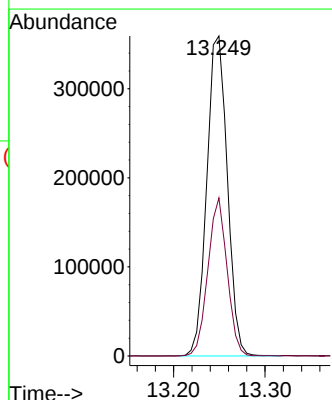
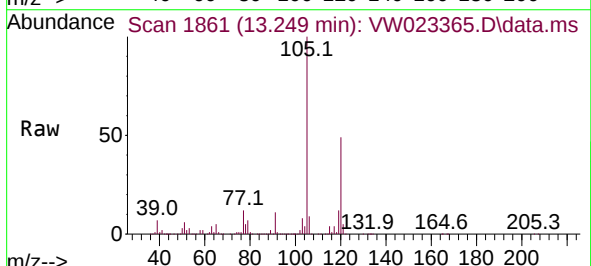
Acq: 27 May 2022 12:13

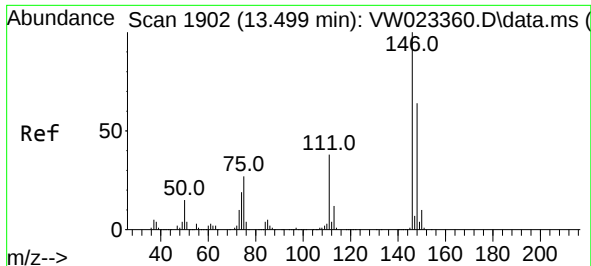
Tgt Ion:105 Resp: 559813

Ion Ratio Lower Upper

105 100

120 46.2 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 25.915 ug/L

RT: 13.493 min Scan# 1902

Delta R.T. -0.006 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

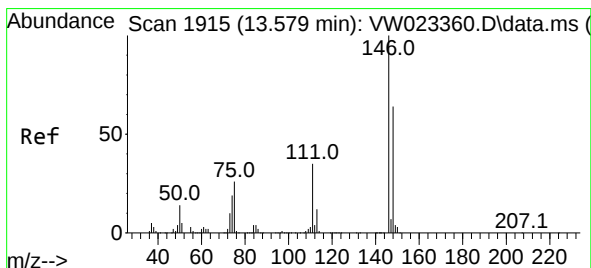
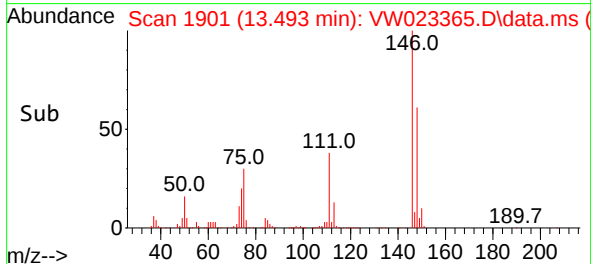
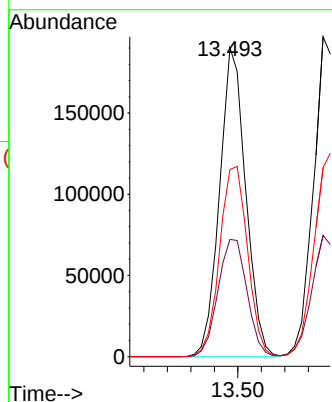
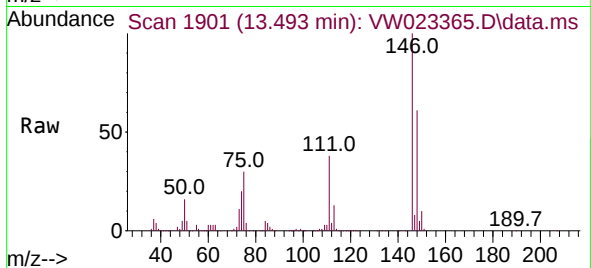
Tgt Ion:146 Resp: 294647

Ion Ratio Lower Upper

146 100

111 37.9 29.5 54.9

148 60.5 48.6 90.2



#65

1,4-Dichlorobenzene

Concen: 25.938 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

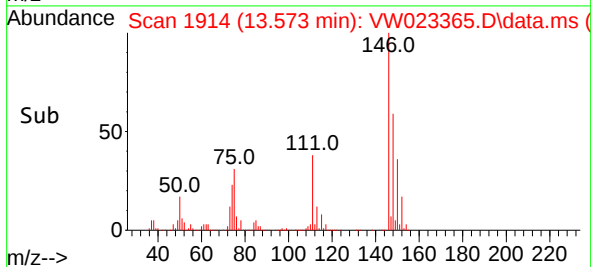
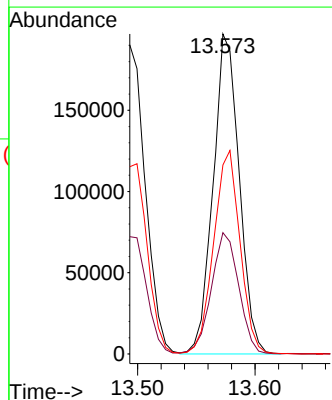
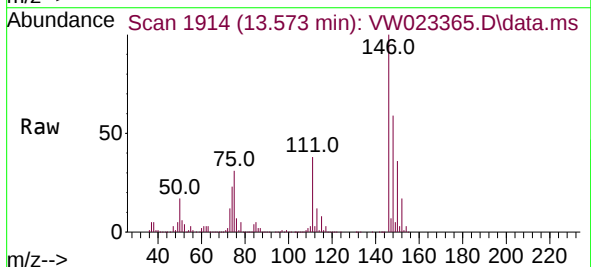
Tgt Ion:146 Resp: 304619

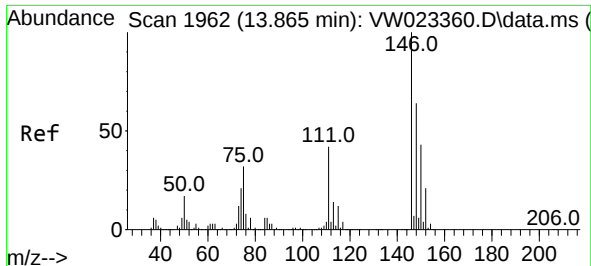
Ion Ratio Lower Upper

146 100

111 37.9 27.2 50.4

148 59.1 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 26.538 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

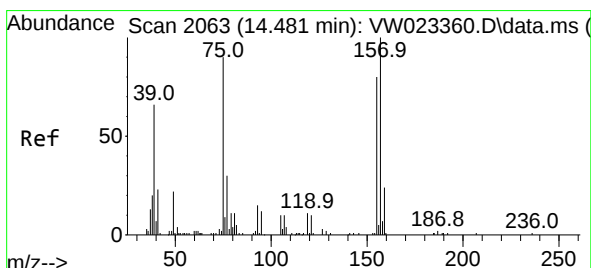
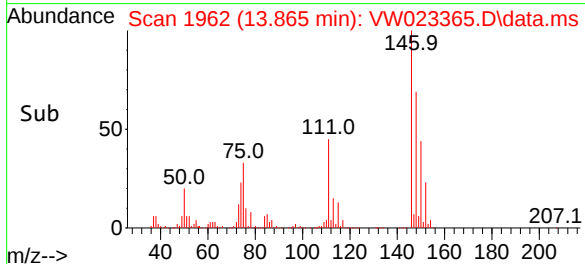
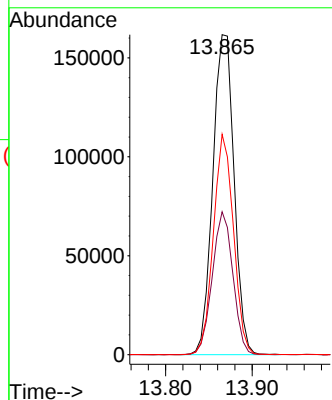
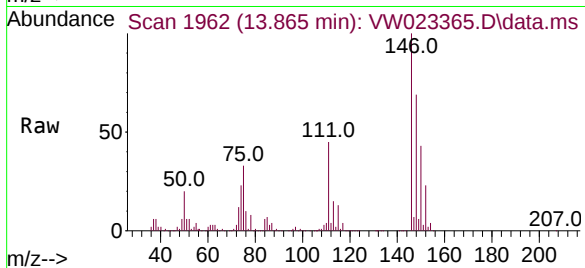
Tgt Ion:146 Resp: 276112

Ion Ratio Lower Upper

146 100

111 44.6 35.7 53.5

148 68.8 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.719 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

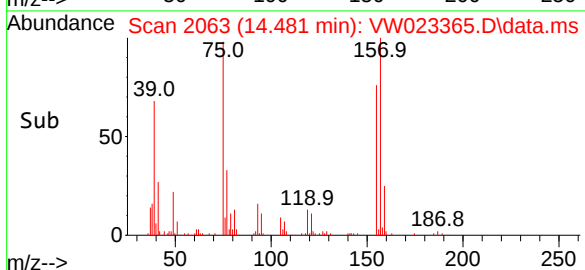
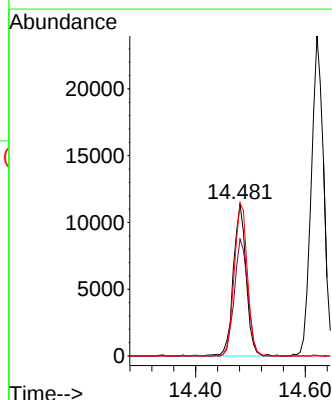
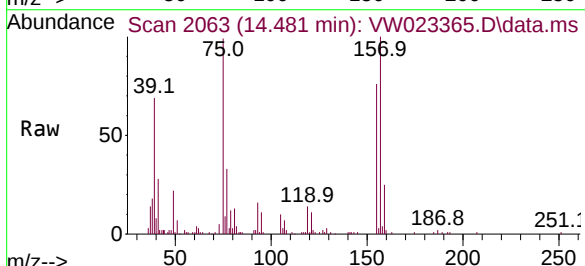
Tgt Ion: 75 Resp: 18442

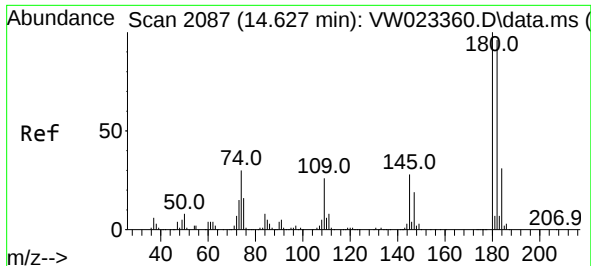
Ion Ratio Lower Upper

75 100

155 77.0 59.3 88.9

157 100.7 89.8 134.8

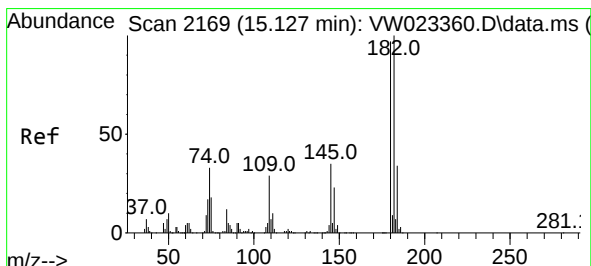
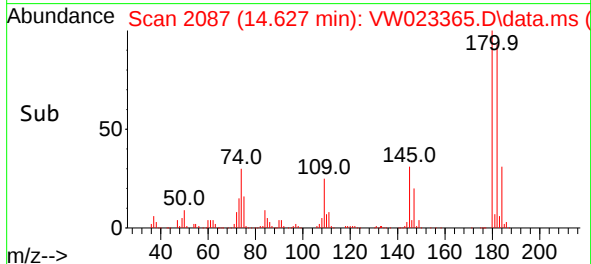
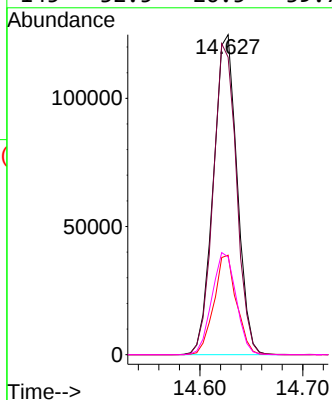
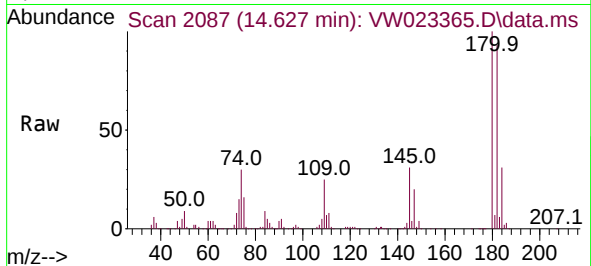




#69
1,3,5-Trichlorobenzene
Concen: 26.508 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

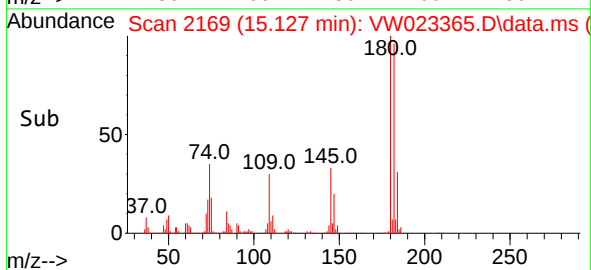
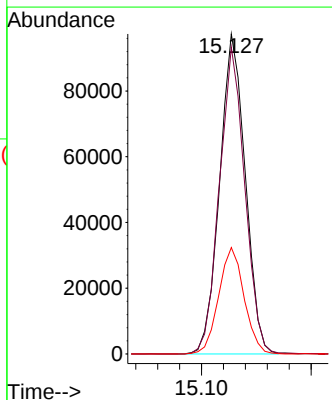
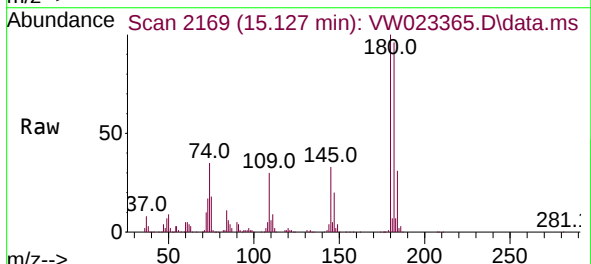
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

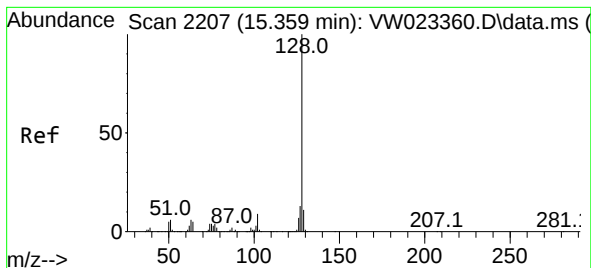
Tgt Ion:	180	Resp:	200065
Ion Ratio	Lower	Upper	
180	100		
182	95.3	74.8	112.2
184	29.7	23.4	35.2
145	32.5	26.5	39.7



#70
1,2,4-trichlorobenzene
Concen: 25.973 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW023365.D
Acq: 27 May 2022 12:13

Tgt Ion:	180	Resp:	157684
Ion Ratio	Lower	Upper	
180	100		
182	95.1	74.9	112.3
145	33.1	26.6	39.8





#71

Naphthalene

Concen: 24.796 ug/L

RT: 15.359 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

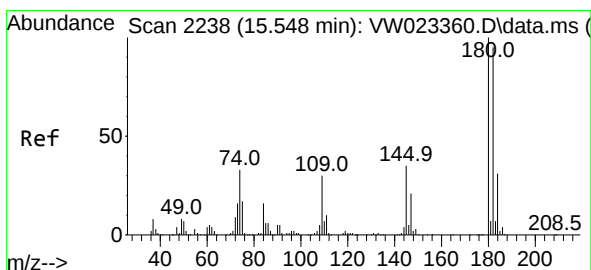
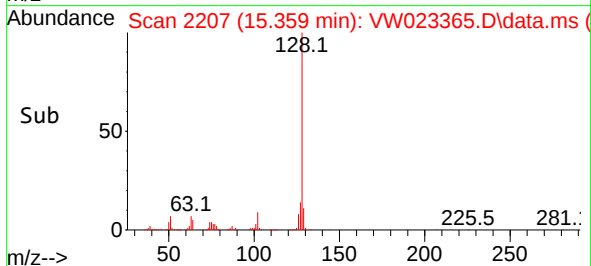
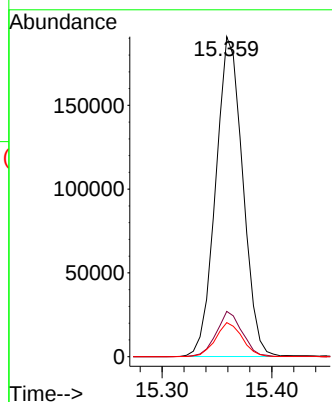
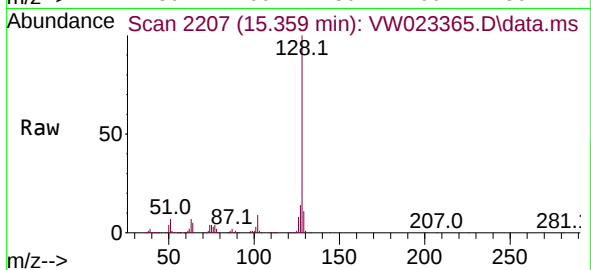
Tgt Ion:128 Resp: 327192

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 27.494 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023365.D

Acq: 27 May 2022 12:13

Tgt Ion:180 Resp: 147941

Ion Ratio Lower Upper

180 100

182 92.5 73.5 110.3

145 33.6 27.9 41.9

