

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051322\
 Data File : VW023039.D
 Acq On : 13 May 2022 19:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Quant Time: May 14 00:03:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 13 23:57:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	309298	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	315562	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	181315	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	167375	26.376	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 105.520%	
7) Chloroethane-d5	2.886	69	115290	27.926	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 111.720%	
11) 1,1-Dichloroethene-d2	4.019	63	194207	23.686	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 94.760%	
21) 2-Butanone-d5	7.074	46	67763	56.164	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 112.320%	
24) Chloroform-d	7.647	84	258912	28.572	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 114.280%	
26) 1,2-Dichloroethane-d4	8.305	65	143569	28.887	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 115.560%	
32) Benzene-d6	8.275	84	505660	27.801	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 111.200%	
36) 1,2-Dichloropropane-d6	9.275	67	146246	28.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 114.480%	
41) Toluene-d8	10.323	98	490724	27.929	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 111.720%	
43) trans-1,3-Dichloroprop...	10.579	79	64003	27.206	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.840%	
47) 2-Hexanone-d5	10.921	63	57842	59.304	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 118.600%	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	141595	29.733	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 118.920%	
66) 1,2-Dichlorobenzene-d4	13.853	152	183964	29.025	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 116.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	41168	24.416	ug/L	94
3) Chloromethane	2.215	50	77079	23.657	ug/L	98
5) Vinyl chloride	2.361	62	141106	21.580	ug/L	100
6) Bromomethane	2.776	94	92024	21.919	ug/L	94
8) Chloroethane	2.922	64	77663	24.625	ug/L	96
9) Trichlorofluoromethane	3.257	101	58001	19.407	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	100481	22.485	ug/L #	73
12) 1,1-Dichloroethene	4.038	96	85840	21.669	ug/L	87
13) Acetone	4.117	43	35935	39.782	ug/L	99
14) Carbon disulfide	4.385	76	187644	17.278	ug/L	99
15) Methyl Acetate	4.672	43	47194	26.006	ug/L	99
16) Methylene chloride	4.916	84	105872	23.393	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	102009	22.882	ug/L	95
18) Methyl tert-butyl Ether	5.428	73	194009	28.508	ug/L	99
19) 1,1-Dichloroethane	6.214	63	190031	25.151	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	121805	25.438	ug/L #	100
22) 2-Butanone	7.171	43	64386	50.968	ug/L	98
23) Bromochloromethane	7.513	128	56957	25.400	ug/L	96
25) Chloroform	7.677	83	218244	26.123	ug/L	100

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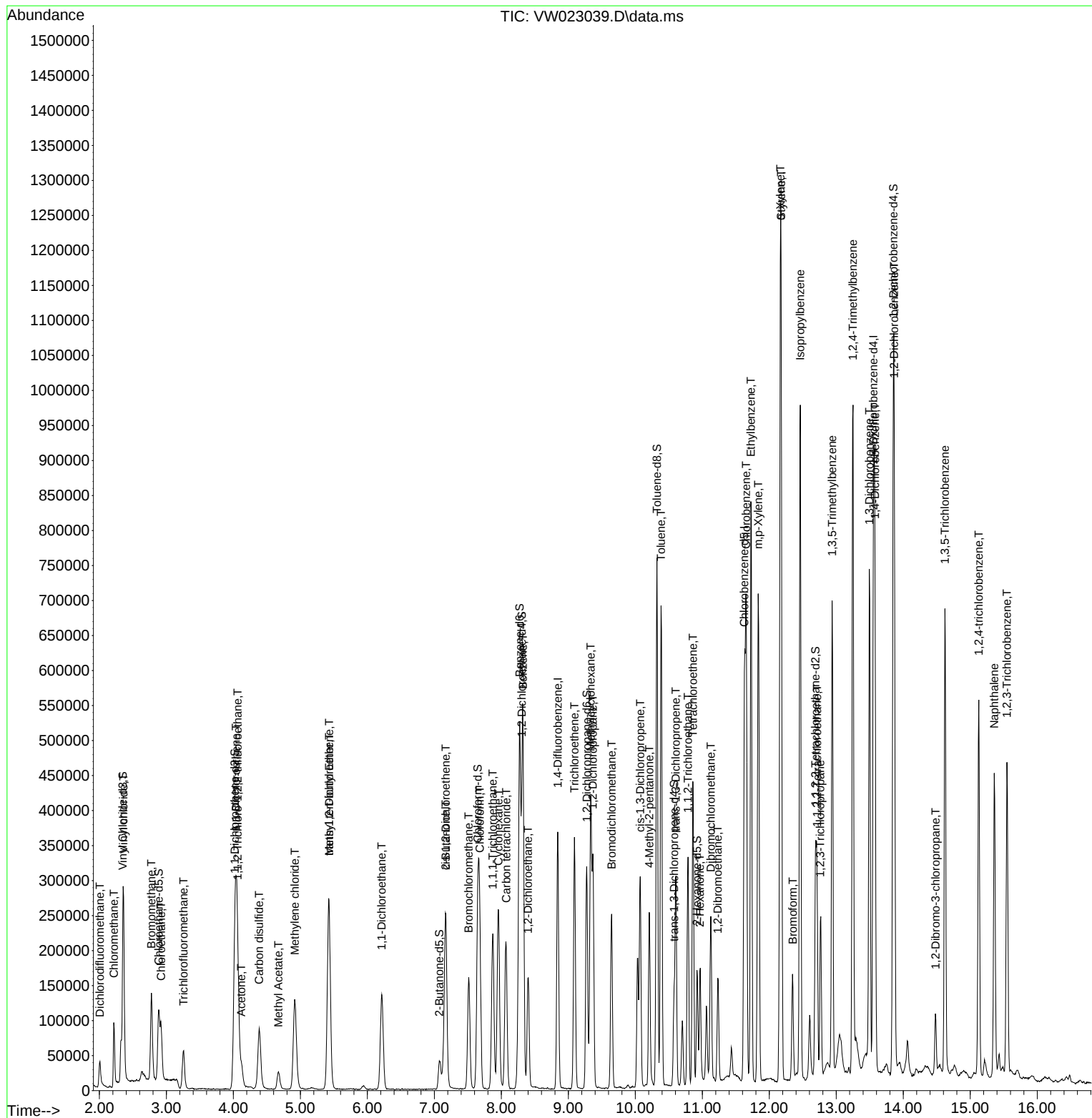
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	141317	25.375	ug/L	97
29) Cyclohexane	7.958	56	140352	20.565	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	177829	23.846	ug/L	99
31) Carbon tetrachloride	8.074	117	157406	22.565	ug/L	100
33) Benzene	8.324	78	443976	23.883	ug/L	100
34) Trichloroethene	9.092	95	118226	23.125	ug/L	97
35) Methylcyclohexane	9.336	83	175935	20.948	ug/L	99
37) 1,2-Dichloropropane	9.366	63	111561	24.799	ug/L	100
38) Bromodichloromethane	9.646	83	161635	25.296	ug/L	97
39) cis-1,3-Dichloropropene	10.073	75	172643	24.750	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	152947	53.940	ug/L	99
42) Toluene	10.384	91	509266	24.445	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	157547	25.304	ug/L	99
45) 1,1,2-Trichloroethane	10.787	97	99116	26.355	ug/L	98
46) Tetrachloroethene	10.860	164	89125	23.197	ug/L	90
48) 2-Hexanone	10.963	43	101901	53.786	ug/L	98
49) Dibromochloromethane	11.128	129	121232	26.784	ug/L	99
50) 1,2-Dibromoethane	11.232	107	97778	25.893	ug/L	99
51) Chlorobenzene	11.652	112	353215	25.717	ug/L	98
52) Ethylbenzene	11.725	91	590720	25.486	ug/L	99
53) m,p-Xylene	11.835	106	230119	25.198	ug/L	98
54) o-Xylene	12.164	106	229487	26.186	ug/L	98
55) Styrene	12.177	104	408990	27.464	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	128126	27.277	ug/L	96
59) Bromoform	12.353	173	62488	24.319	ug/L	98
60) Isopropylbenzene	12.463	105	624451	25.140	ug/L	99
61) 1,2,3-Trichloropropane	12.762	75	91250	25.187	ug/L	98
62) 1,3,5-Trimethylbenzene	12.939	105	347472	25.144	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	539209	25.986	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	291311	26.268	ug/L	93
65) 1,4-Dichlorobenzene	13.579	146	285101	24.889	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	269421	26.549	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	20141	25.438	ug/L	95
69) 1,3,5-Trichlorobenzene	14.621	180	192547	26.156	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	159672	26.964	ug/L	98
71) Naphthalene	15.359	128	374537	29.100	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	136553	26.018	ug/L	95

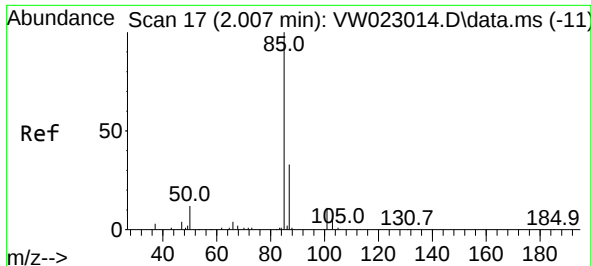
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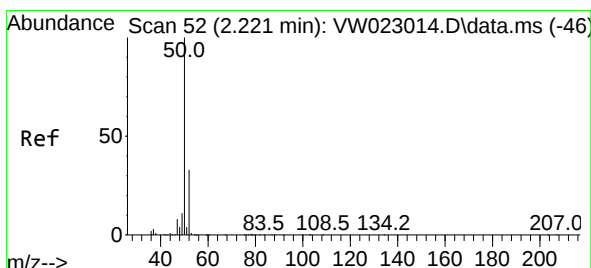
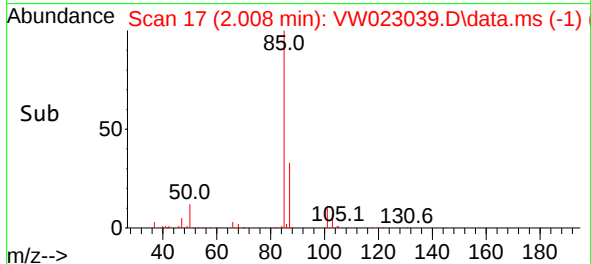
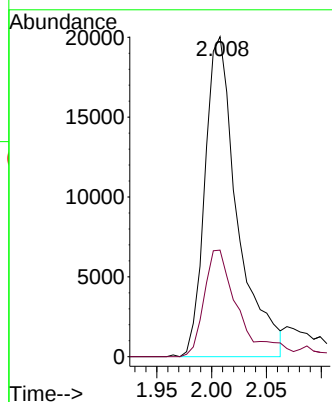
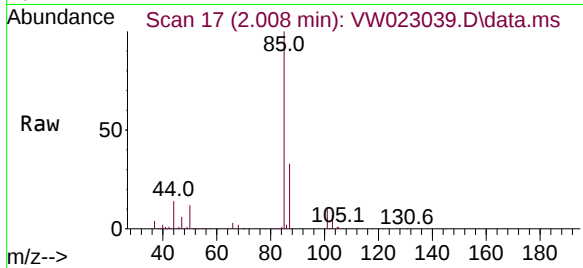




#2
 Dichlorodifluoromethane
 Concen: 24.416 ug/L
 RT: 2.008 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW023039.D
 Acq: 13 May 2022 19:59

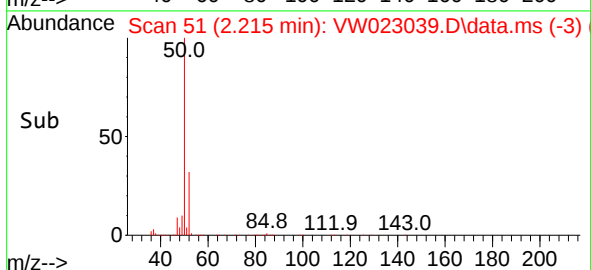
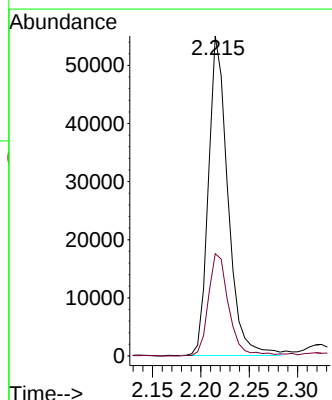
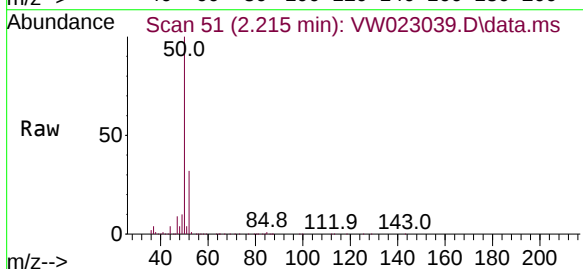
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 ClientSampleId :
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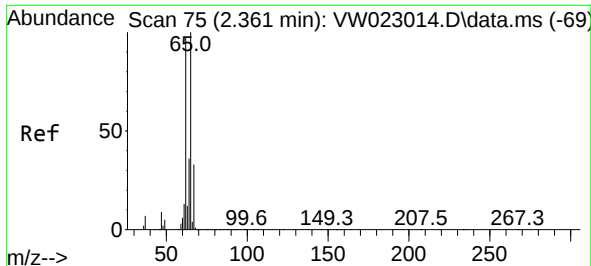
Tgt Ion: 85 Resp: 41168
 Ion Ratio Lower Upper
 85 100
 87 31.2 27.8 41.8



#3
 Chloromethane
 Concen: 23.657 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VW023039.D
 Acq: 13 May 2022 19:59

Tgt Ion: 50 Resp: 77079
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.1 42.9

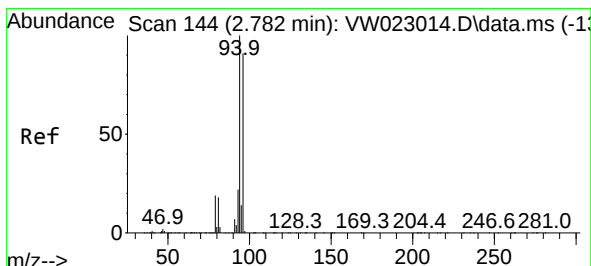
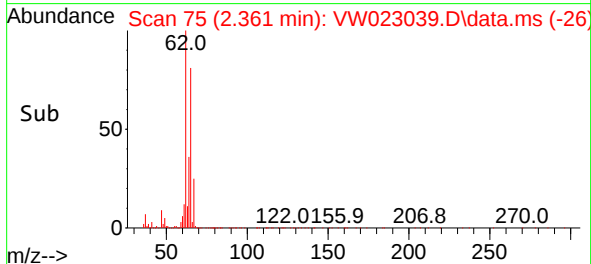
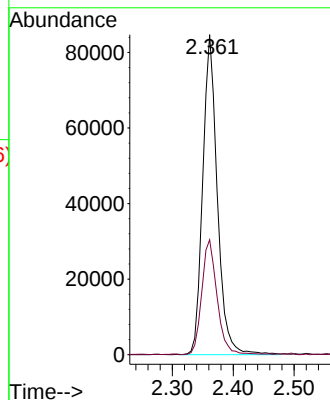
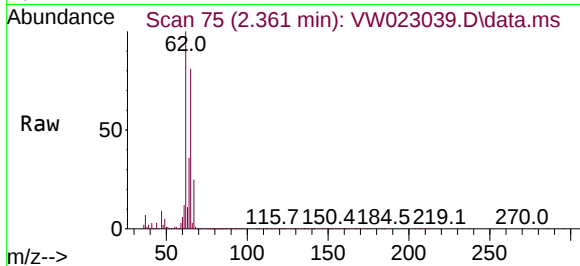




#5
 Vinyl chloride
 Concen: 21.580 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW023039.D
 Acq: 13 May 2022 19:59

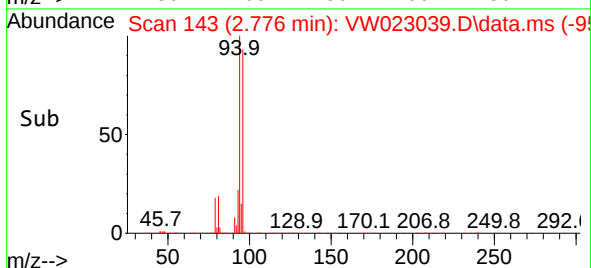
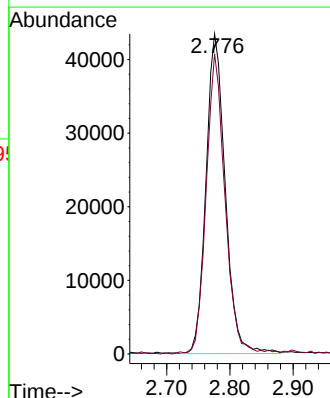
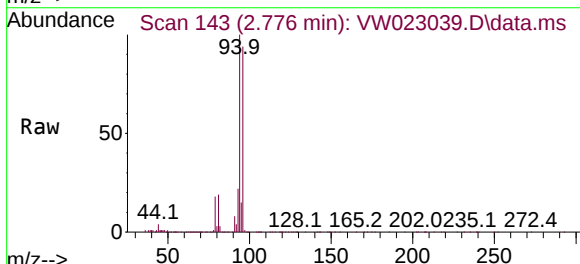
Instrument :
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 ClientSampleId :
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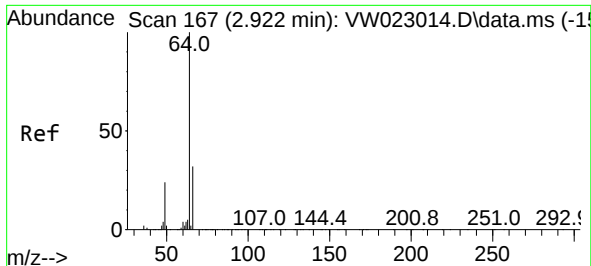
Tgt Ion: 62 Resp: 141106
 Ion Ratio Lower Upper
 62 100
 64 35.9 24.9 46.3



#6
 Bromomethane
 Concen: 21.919 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW023039.D
 Acq: 13 May 2022 19:59

Tgt Ion: 94 Resp: 92024
 Ion Ratio Lower Upper
 94 100
 96 93.8 61.7 114.5





#8

Chloroethane

Concen: 24.625 ug/L

RT: 2.922 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

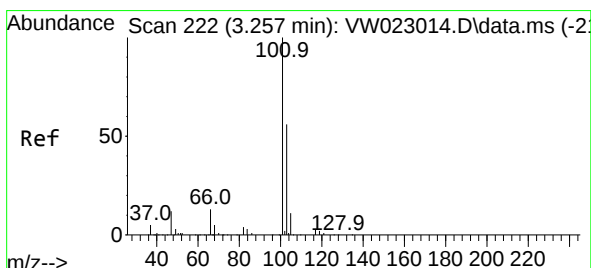
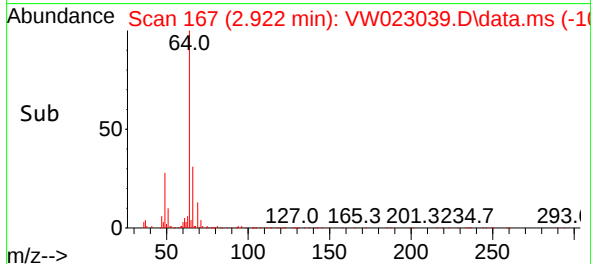
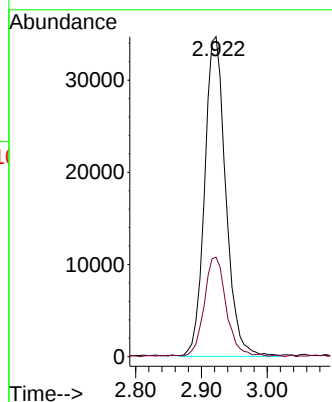
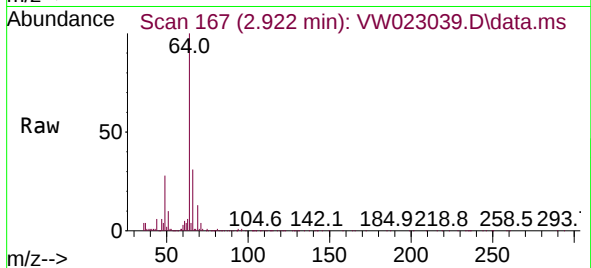
VSTD025531

Tgt Ion: 64 Resp: 77663

Ion Ratio Lower Upper

64 100

66 31.1 23.4 43.6



#9

Trichlorofluoromethane

Concen: 19.407 ug/L

RT: 3.257 min Scan# 222

Delta R.T. 0.000 min

Lab File: VW023039.D

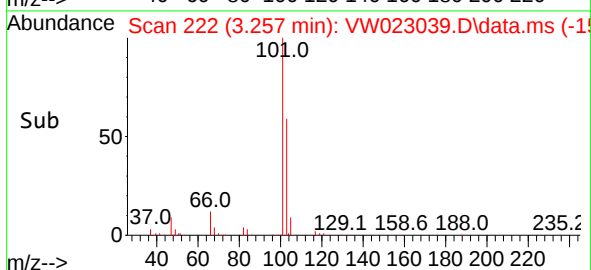
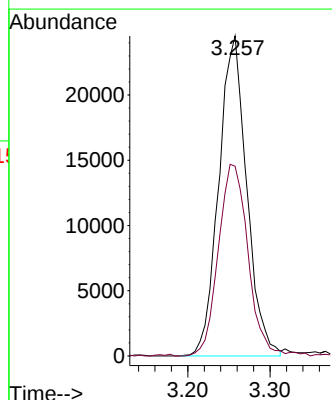
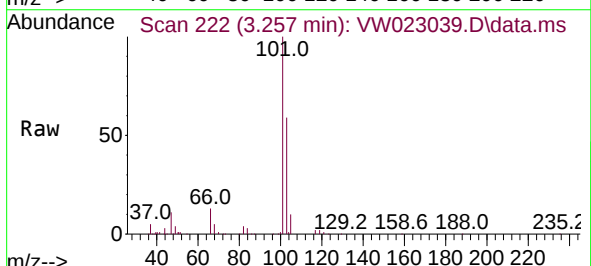
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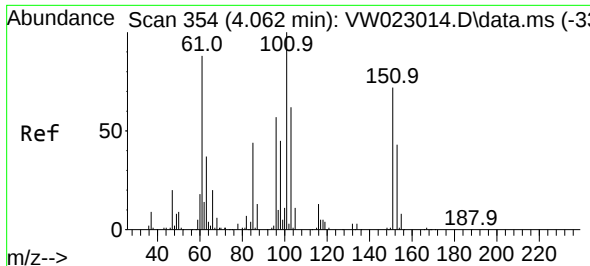
Tgt Ion: 101 Resp: 58001

Ion Ratio Lower Upper

101 100

103 63.2 53.9 80.9

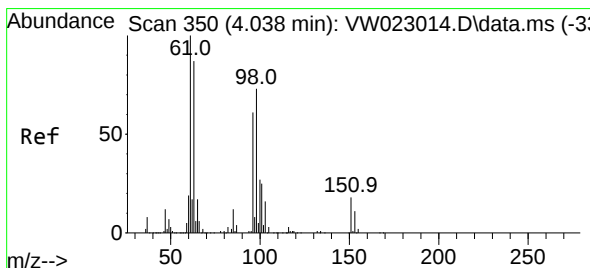
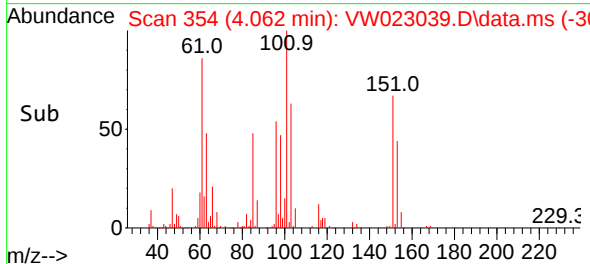
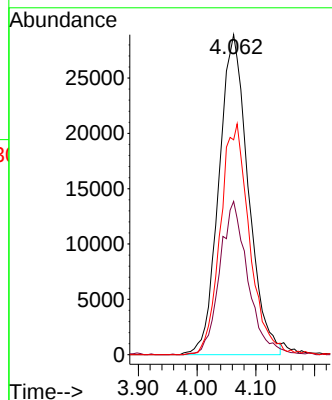
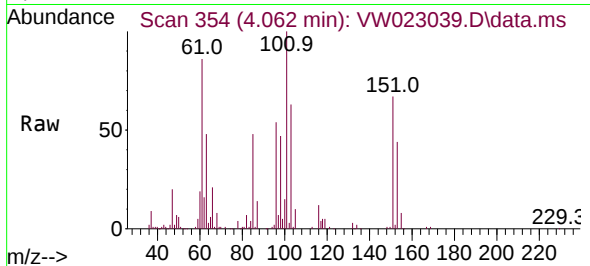




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.485 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW023039.D
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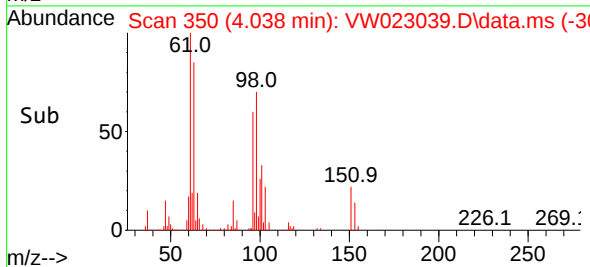
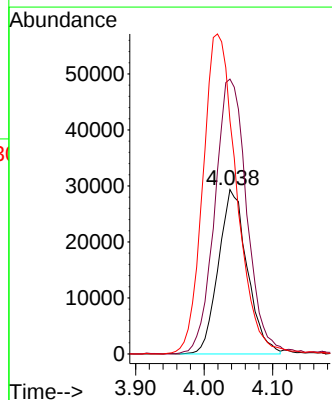
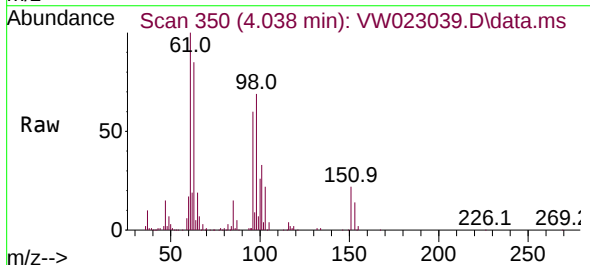
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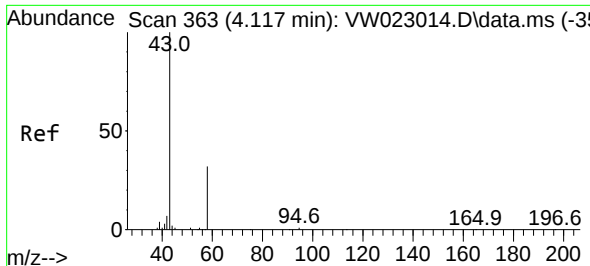
Tgt Ion:101 Resp: 100481
 Ion Ratio Lower Upper
 101 100
 85 45.9 34.3 51.5
 151 35.2 54.2 81.2#



#12
 1,1-Dichloroethene
 Concen: 21.669 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW023039.D
 Acq: 13 May 2022 19:59

Tgt Ion: 96 Resp: 85840
 Ion Ratio Lower Upper
 96 100
 61 167.4 125.7 233.5
 63 142.0 83.4 155.0

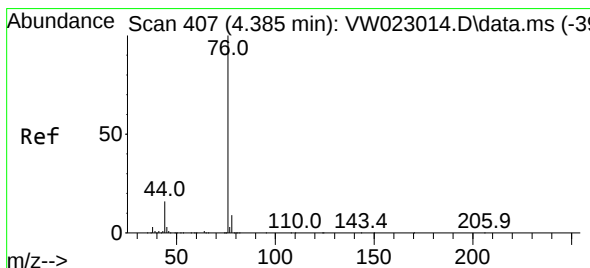
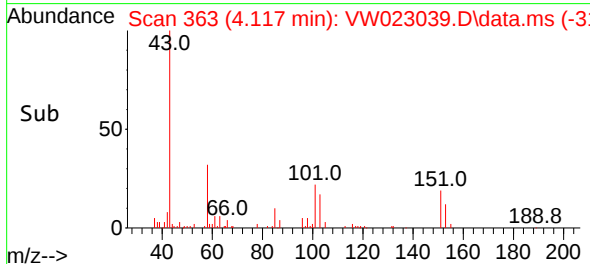
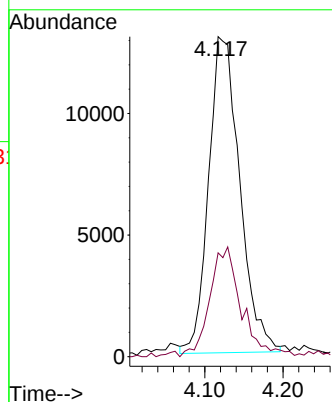
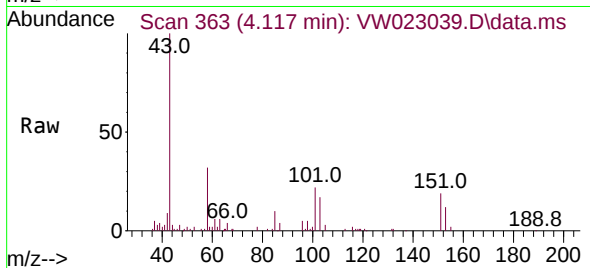




#13
Acetone
Concen: 39.782 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.000 min
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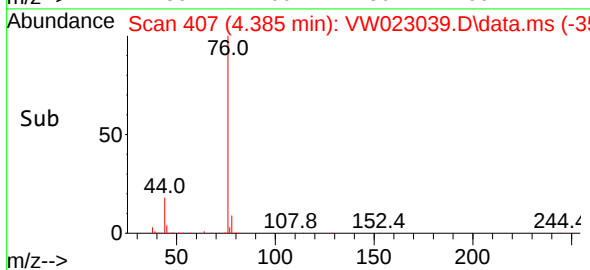
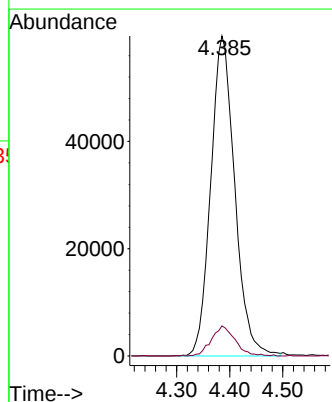
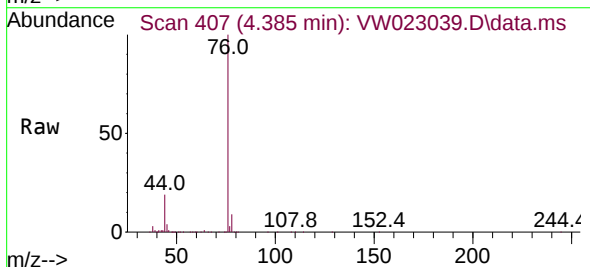
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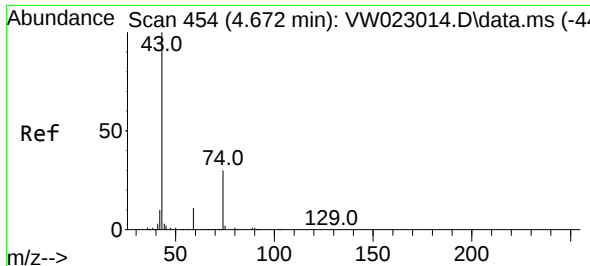
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Ion Ratio Lower Upper
43 100
58 32.7 0.0 64.0



#14
Carbon disulfide
Concen: 17.278 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 76 Resp: 187644
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5

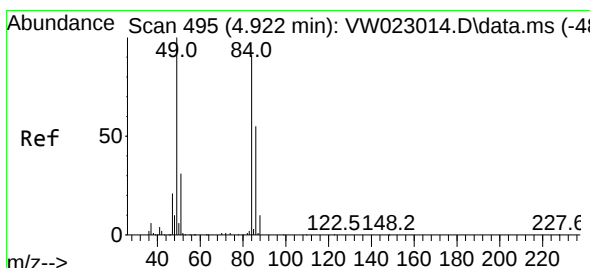
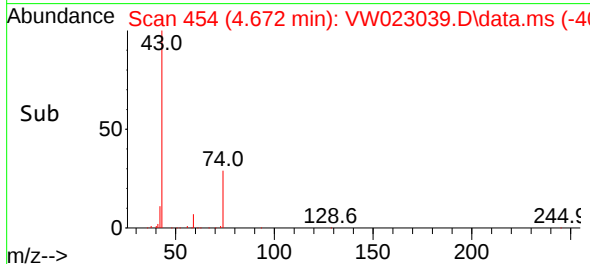
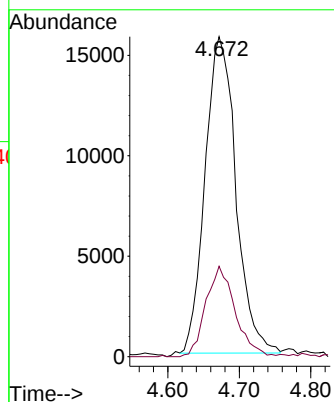
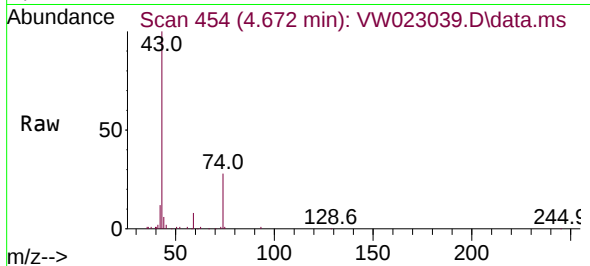




#15
Methyl Acetate
Concen: 26.006 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

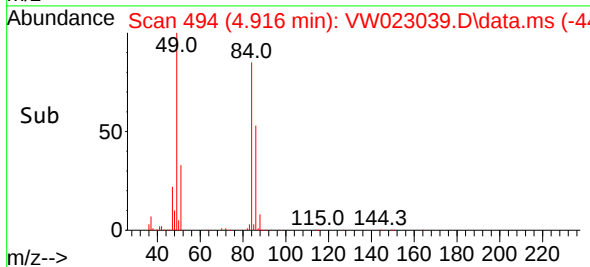
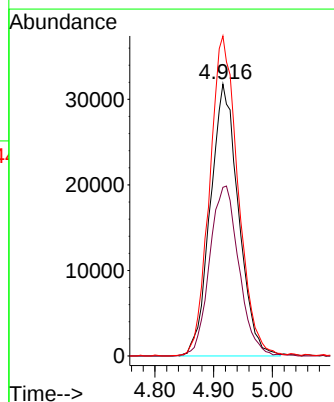
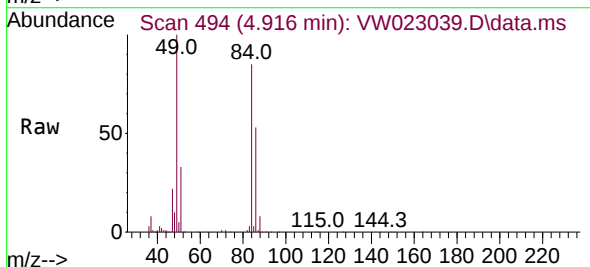
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

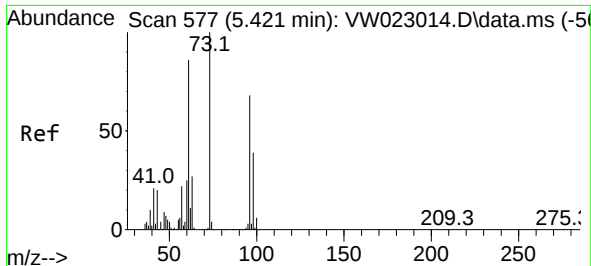
Tgt Ion: 43 Resp: 47194
Ion Ratio Lower Upper
43 100
74 27.0 21.9 32.9



#16
Methylene chloride
Concen: 23.393 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 84 Resp: 105872
Ion Ratio Lower Upper
84 100
86 62.0 45.4 84.4
49 117.7 82.5 153.1

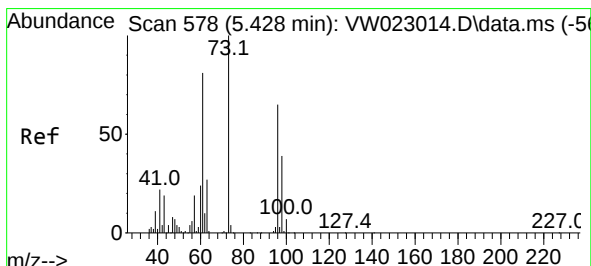
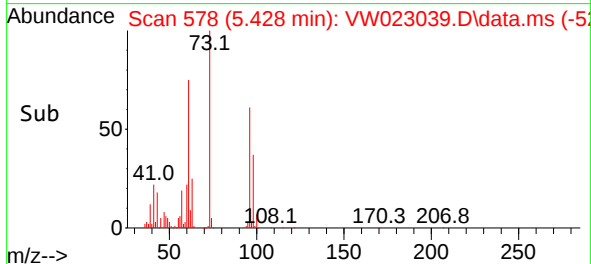
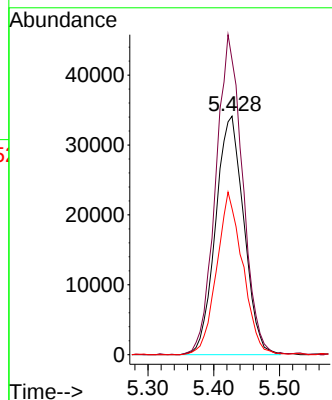
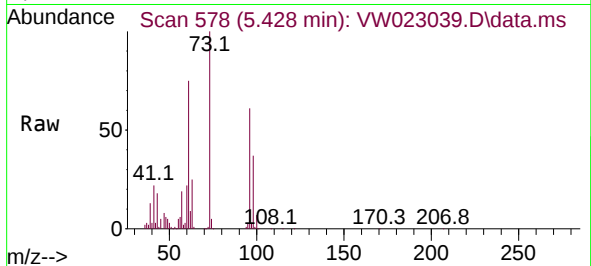




#17
trans-1,2-Dichloroethene
Concen: 22.882 ug/L
RT: 5.428 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

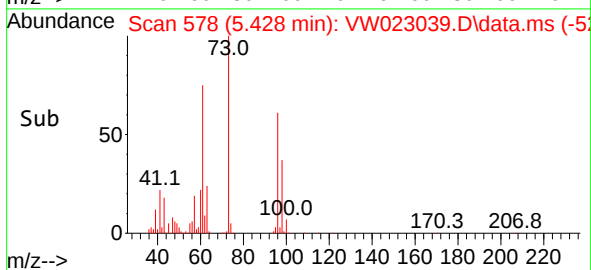
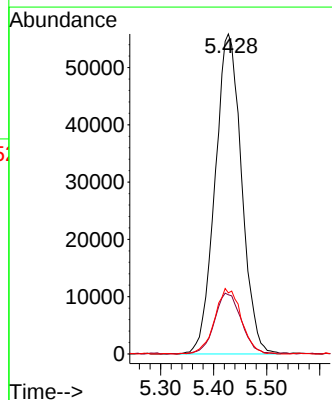
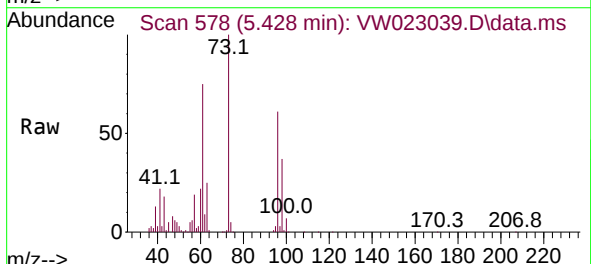
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

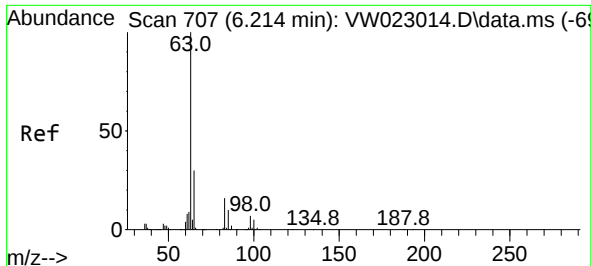
Tgt Ion: 96 Resp: 102009
Ion Ratio Lower Upper
96 100
61 123.6 92.2 171.2
98 61.2 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 28.508 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 73 Resp: 194009
Ion Ratio Lower Upper
73 100
43 18.9 15.9 23.9
57 20.2 16.5 24.7





#19

1,1-Dichloroethane

Concen: 25.151 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

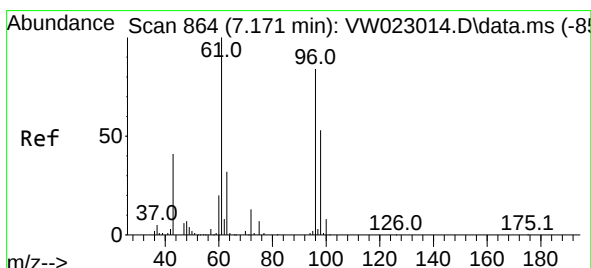
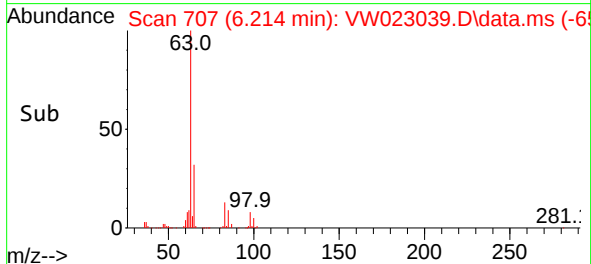
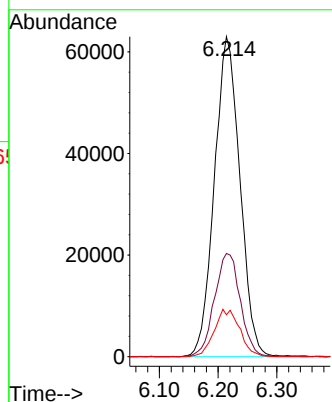
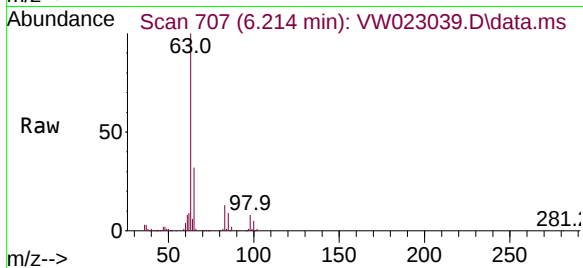
Tgt Ion: 63 Resp: 190031

Ion Ratio Lower Upper

63 100

65 32.2 23.3 43.3

83 13.1 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 25.438 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

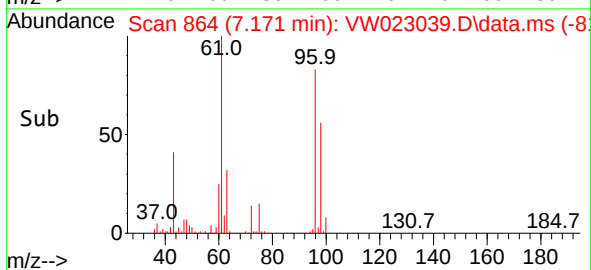
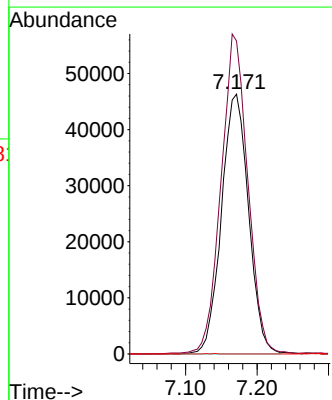
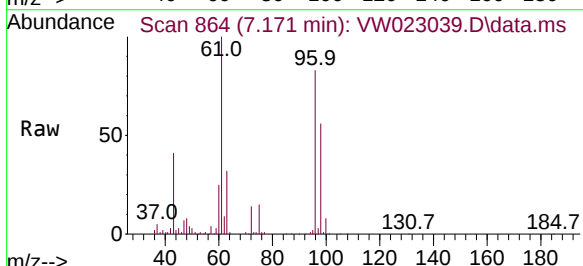
Tgt Ion: 96 Resp: 121805

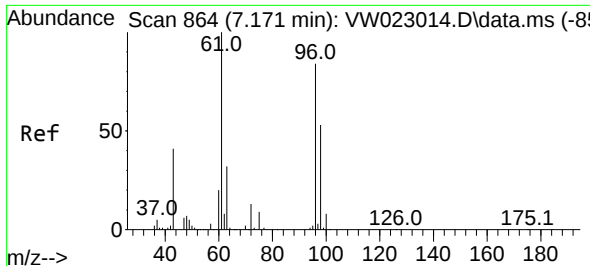
Ion Ratio Lower Upper

96 100

61 120.4 84.2 156.4

68 0.0 0.1 0.1

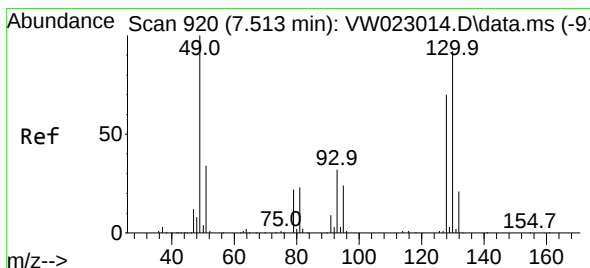
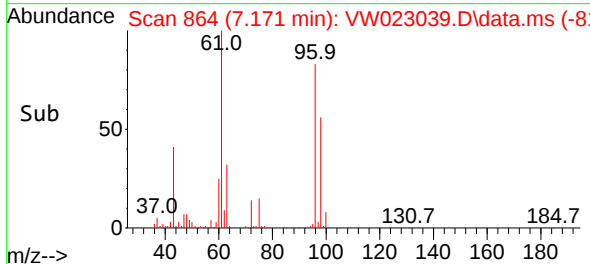
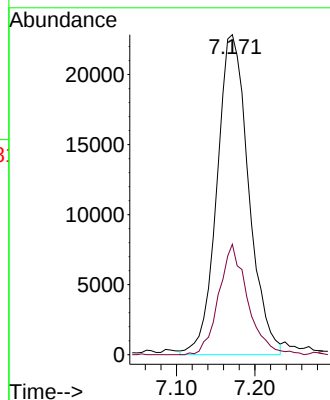
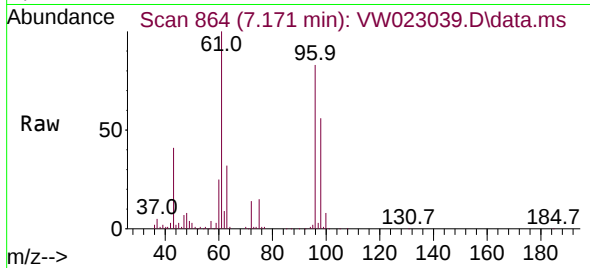




#22
2-Butanone
Concen: 50.968 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

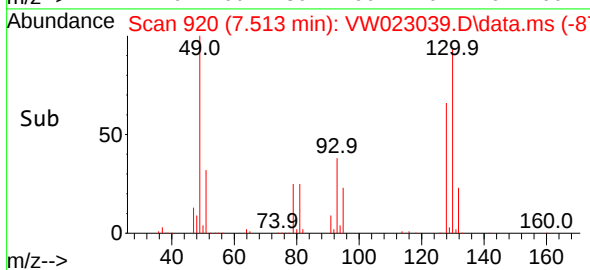
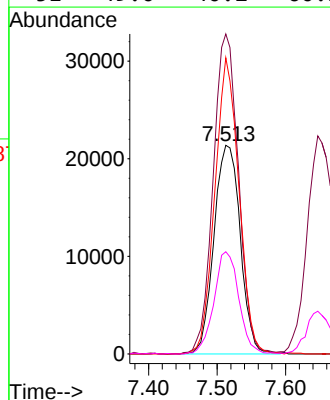
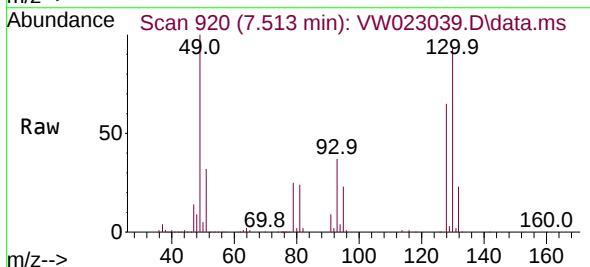
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

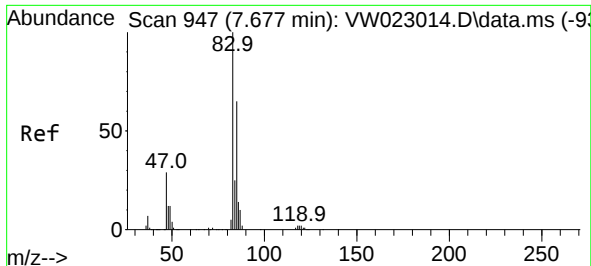
Tgt Ion: 43 Resp: 64386
Ion Ratio Lower Upper
43 100
72 31.4 15.1 45.3



#23
Bromochloromethane
Concen: 25.400 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 128 Resp: 56957
Ion Ratio Lower Upper
128 100
49 153.4 110.0 204.4
130 142.0 94.8 176.0
51 49.0 40.2 60.2

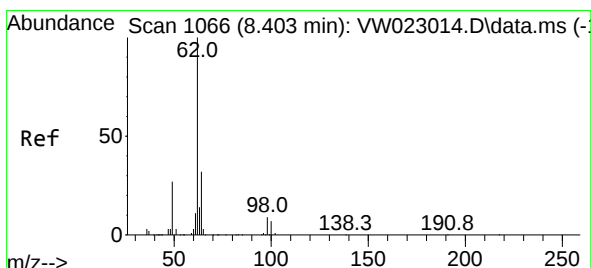
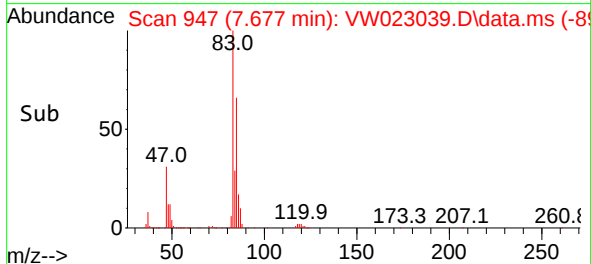
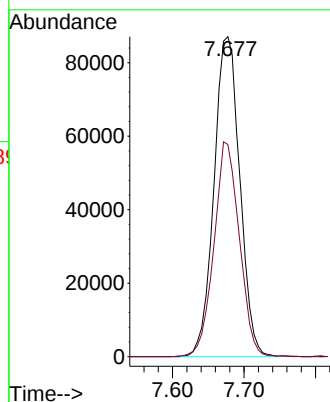
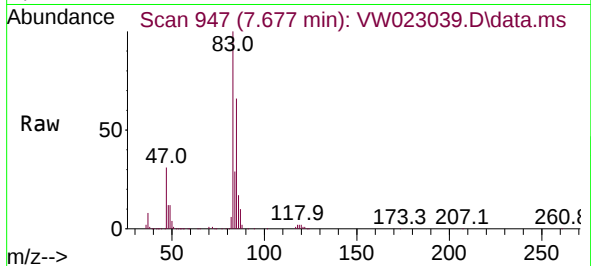




#25
Chloroform
Concen: 26.123 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

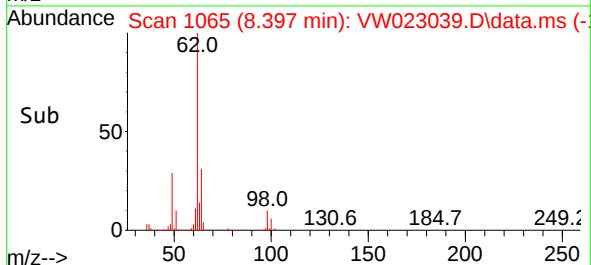
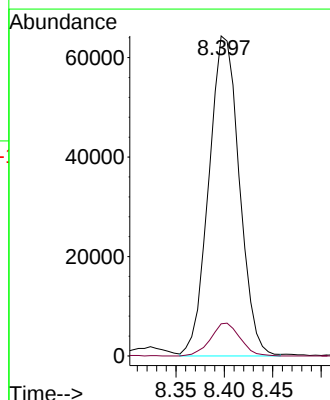
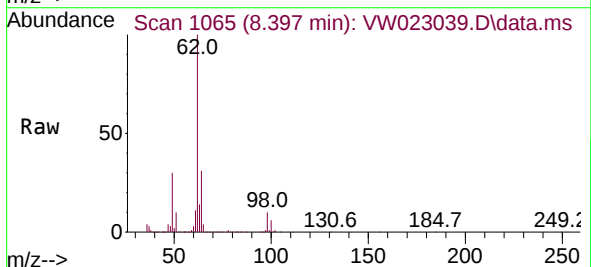
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

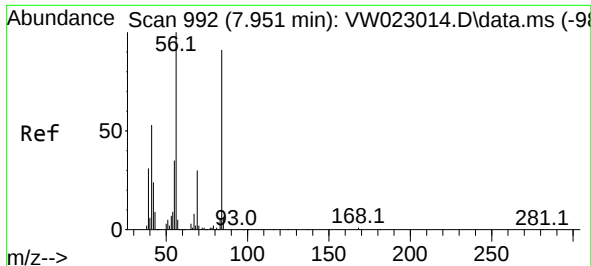
Tgt Ion: 83 Resp: 218244
Ion Ratio Lower Upper
83 100
85 66.3 46.6 86.6



#27
1,2-Dichloroethane
Concen: 25.375 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 62 Resp: 141317
Ion Ratio Lower Upper
62 100
98 10.0 7.2 10.8





#29

Cyclohexane

Concen: 20.565 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

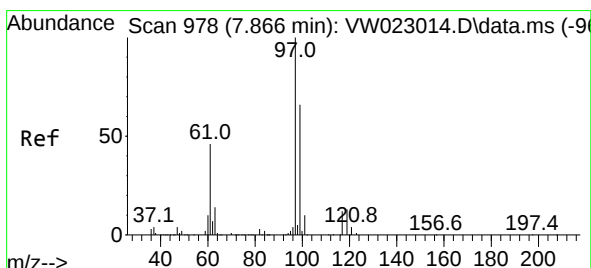
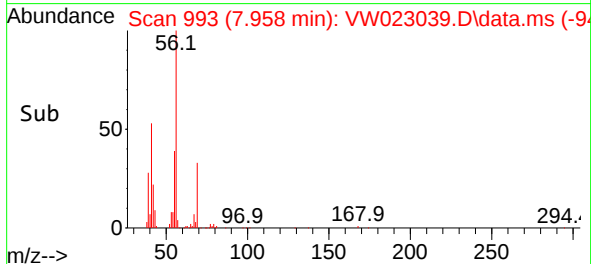
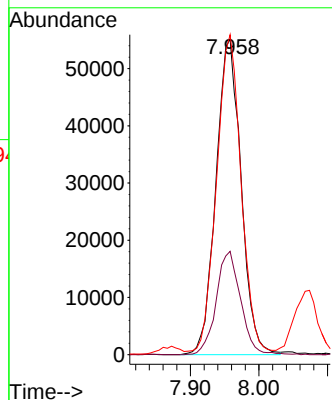
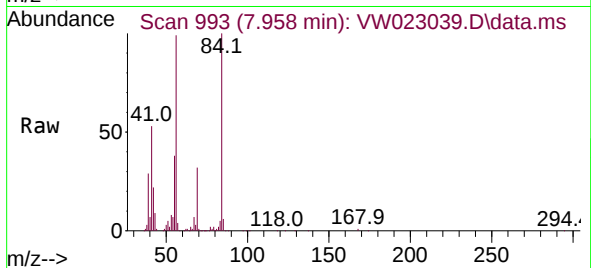
Tgt Ion: 56 Resp: 140352

Ion Ratio Lower Upper

56 100

69 31.4 25.6 38.4

84 99.7 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 23.846 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

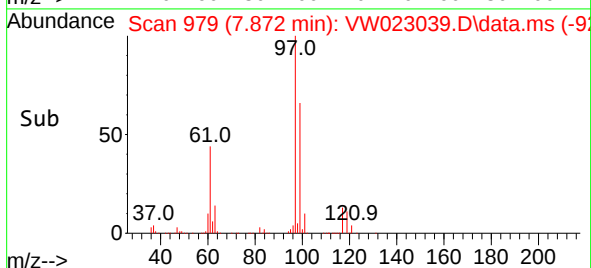
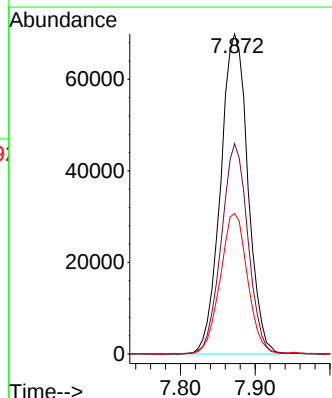
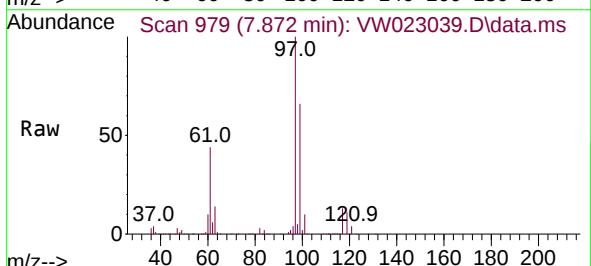
Tgt Ion: 97 Resp: 177829

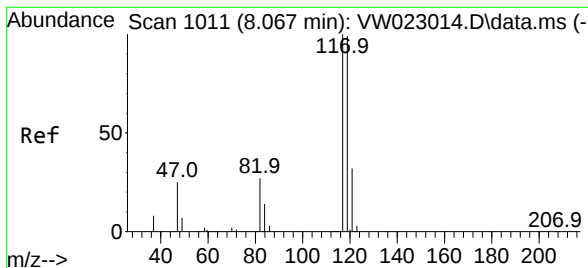
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 43.9 34.8 52.2

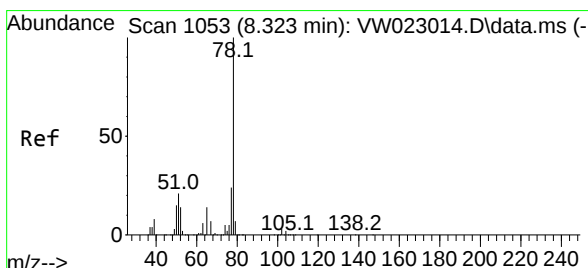
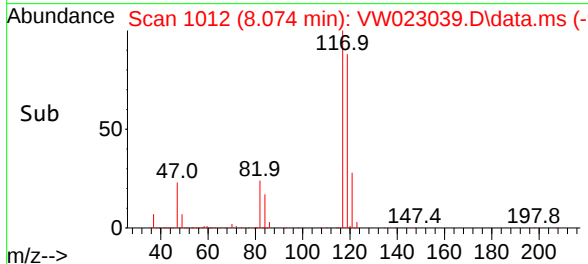
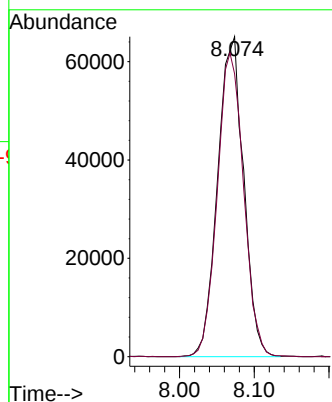
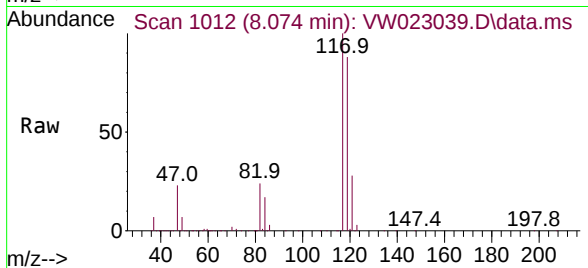




#31
Carbon tetrachloride
Concen: 22.565 ug/L
RT: 8.074 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

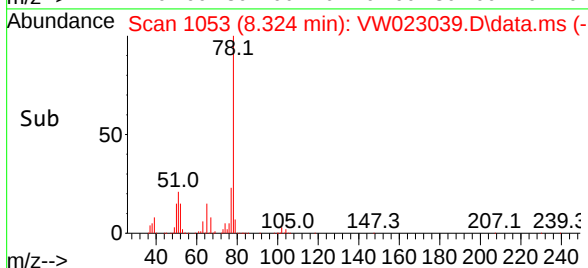
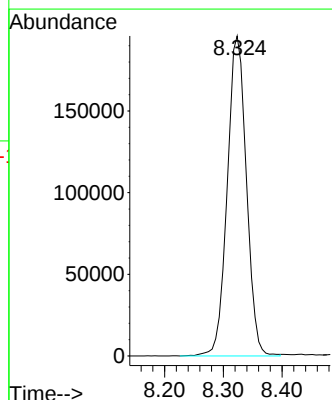
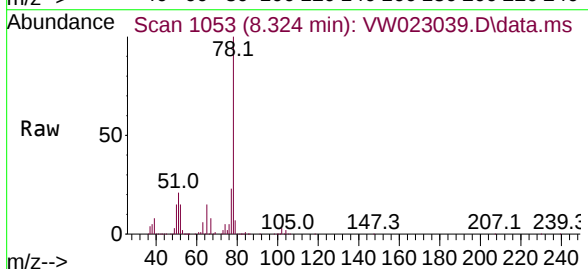
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

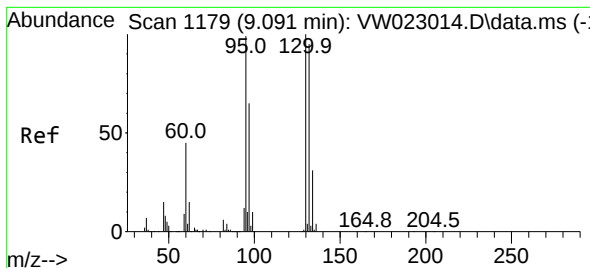
Tgt Ion:117 Resp: 157406
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0



#33
Benzene
Concen: 23.883 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 78 Resp: 443976





#34

Trichloroethene

Concen: 23.125 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

Tgt Ion: 95 Resp: 118226

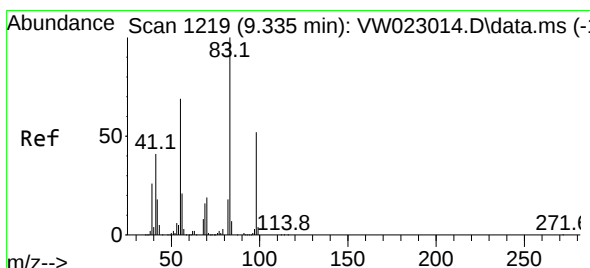
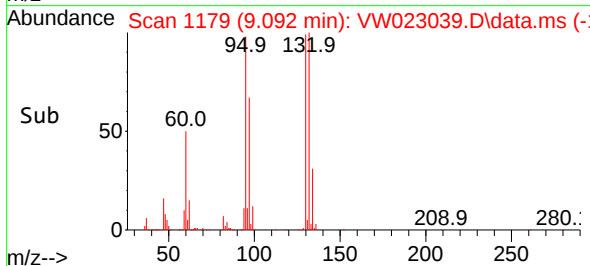
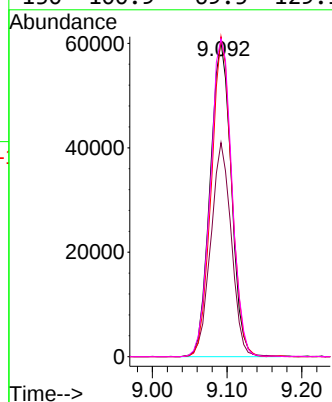
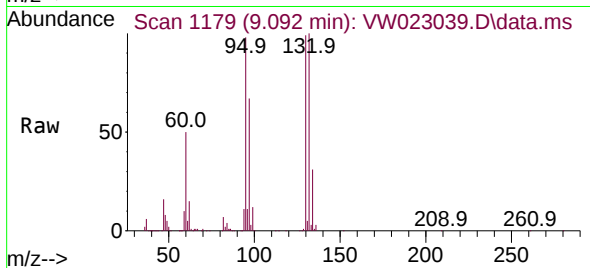
Ion Ratio Lower Upper

95 100

97 67.9 46.1 85.7

132 101.6 66.9 124.3

130 100.9 69.5 129.1



#35

Methylcyclohexane

Concen: 20.948 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

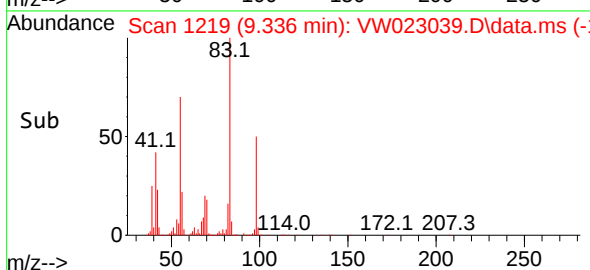
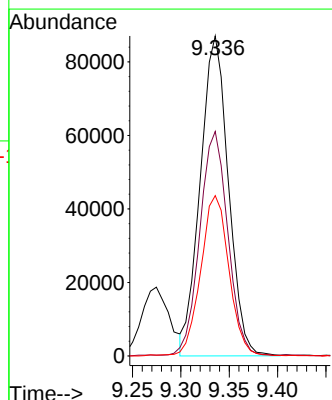
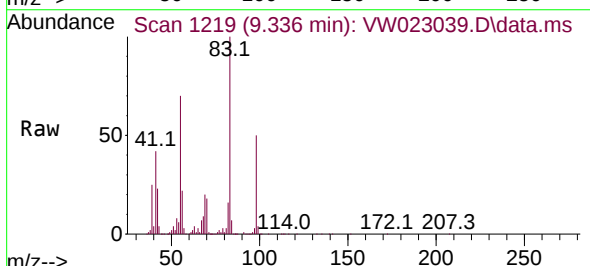
Tgt Ion: 83 Resp: 175935

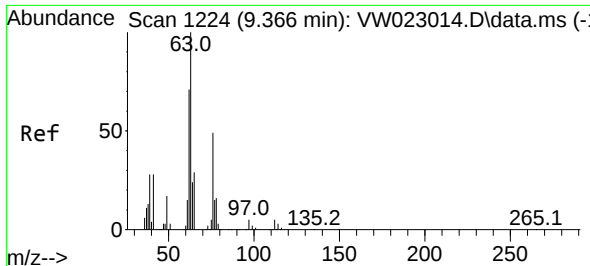
Ion Ratio Lower Upper

83 100

55 69.9 55.1 82.7

98 50.5 40.4 60.6





#37

1,2-Dichloropropane

Concen: 24.799 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

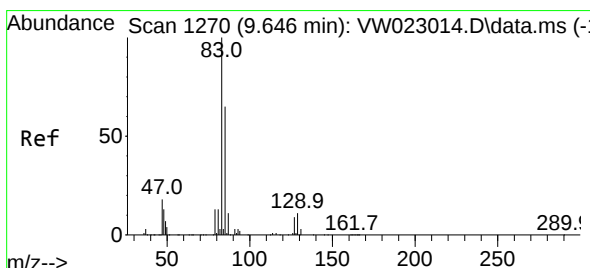
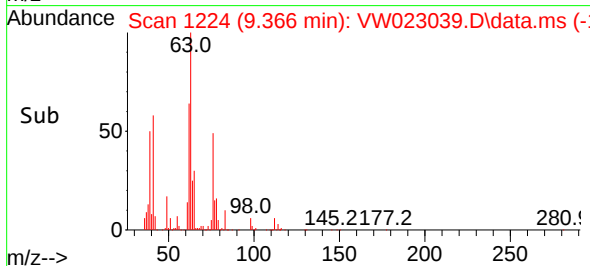
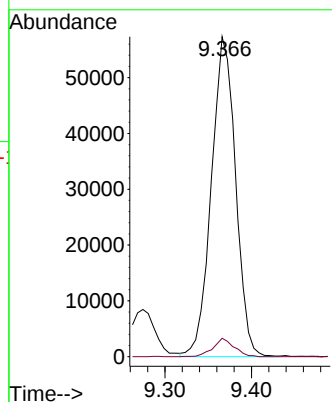
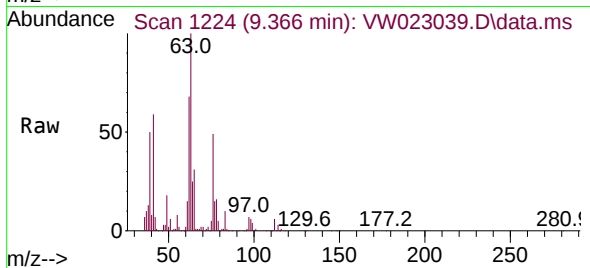
VSTD025531

Tgt Ion: 63 Resp: 111561

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 25.296 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

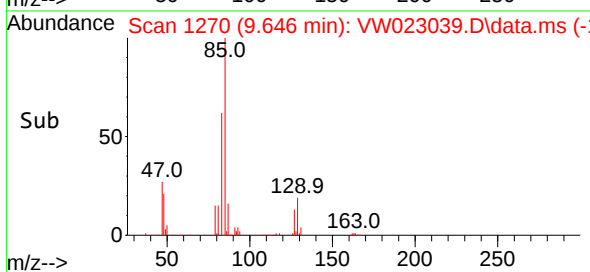
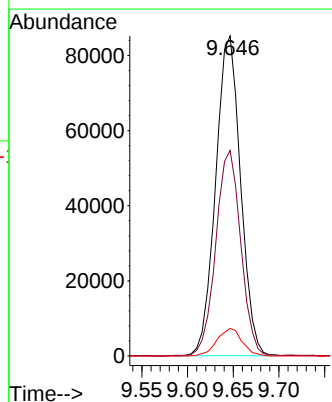
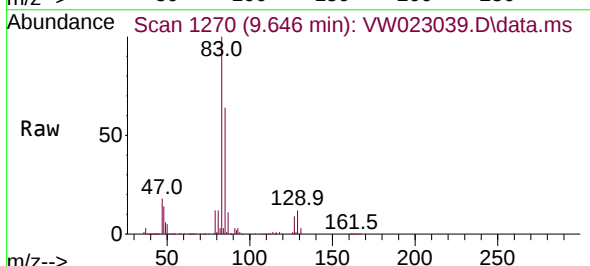
Tgt Ion: 83 Resp: 161635

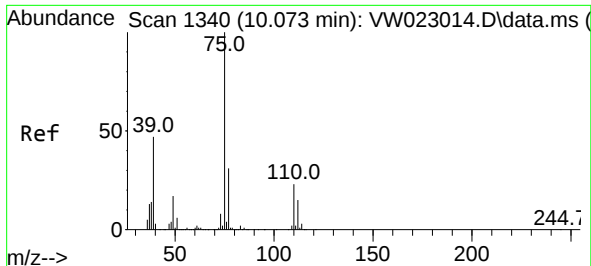
Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.7

127 8.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 24.750 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

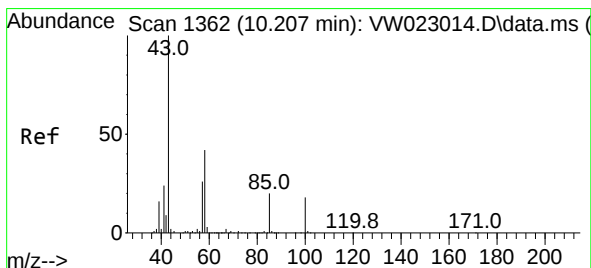
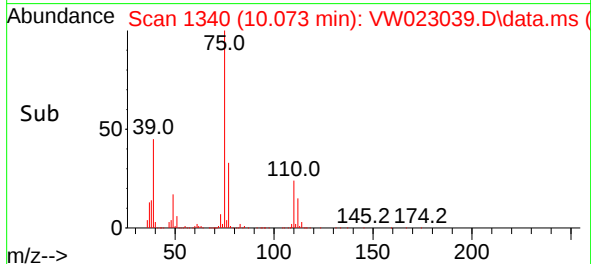
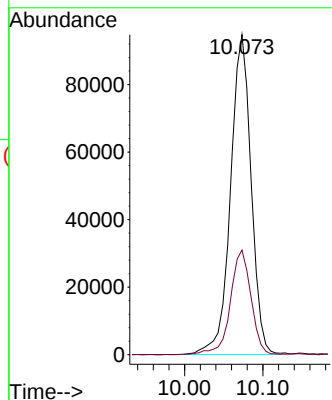
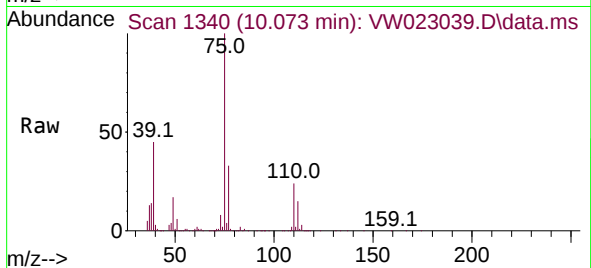
VSTD025531

Tgt Ion: 75 Resp: 172643

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.940 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

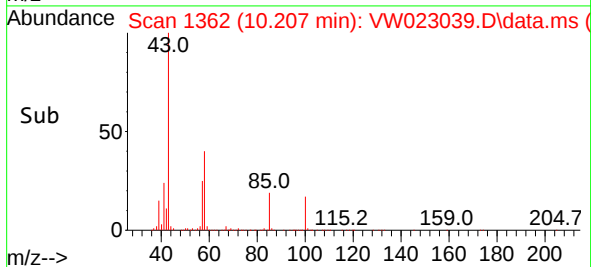
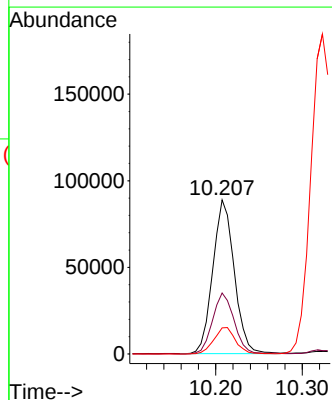
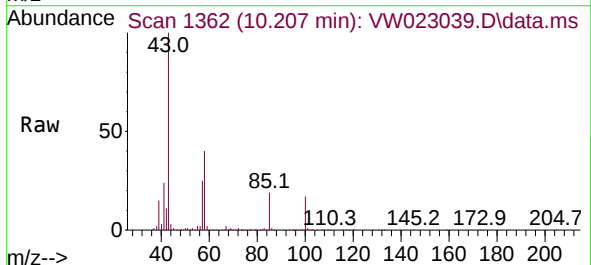
Tgt Ion: 43 Resp: 152947

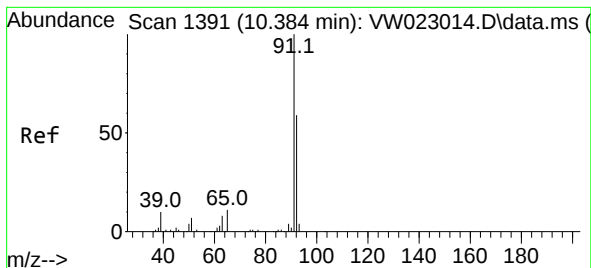
Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.2

100 17.5 14.2 21.4





#42

Toluene

Concen: 24.445 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

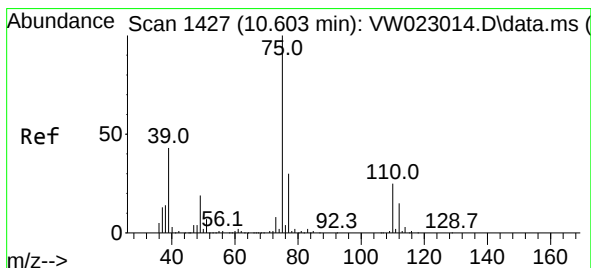
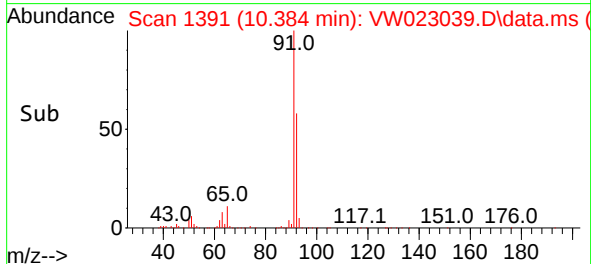
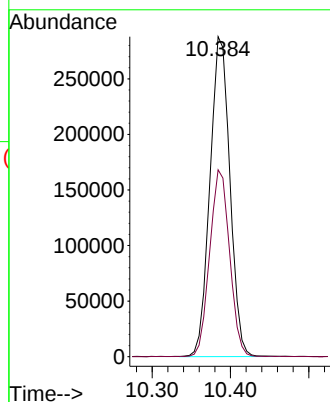
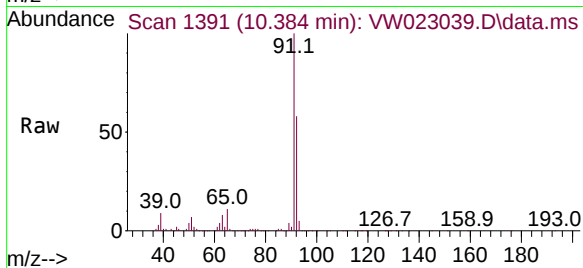
VSTD025531

Tgt Ion: 91 Resp: 509266

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 25.304 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW023039.D

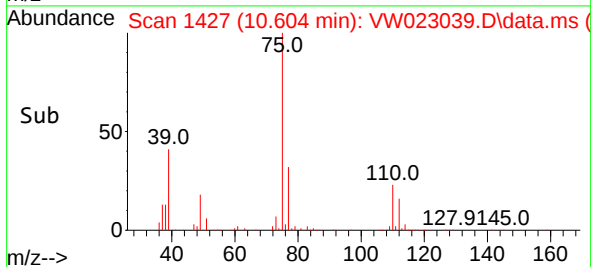
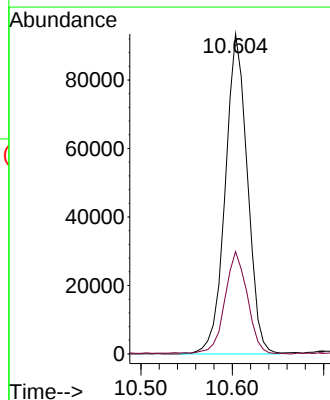
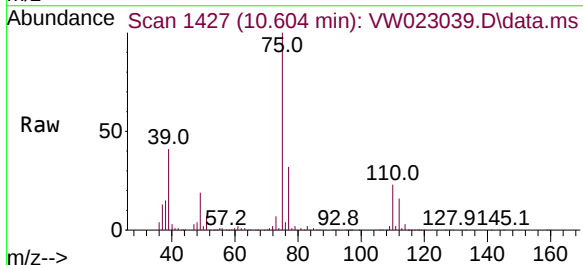
Acq: 13 May 2022 19:59

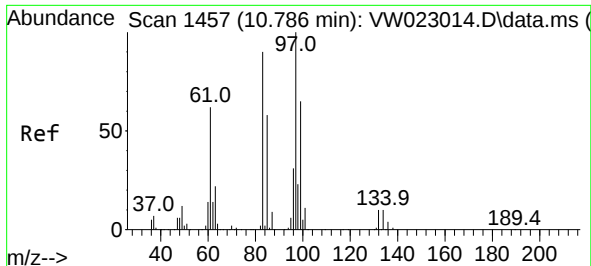
Tgt Ion: 75 Resp: 157547

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

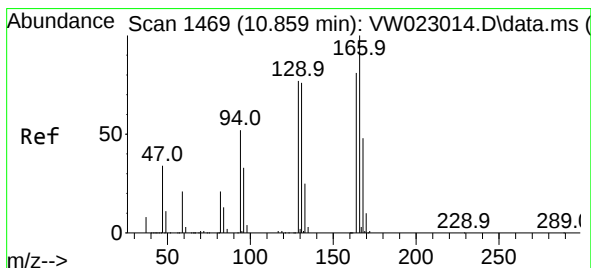
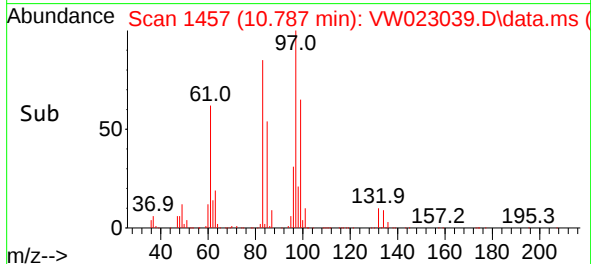
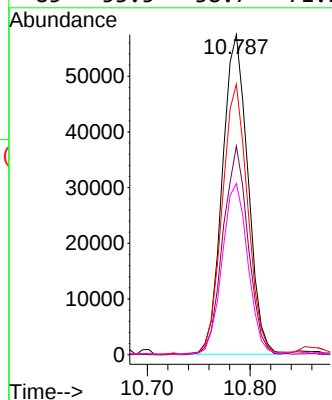
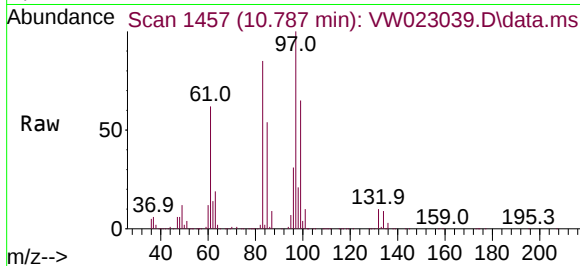




#45
1,1,2-Trichloroethane
Concen: 26.355 ug/L
RT: 10.787 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

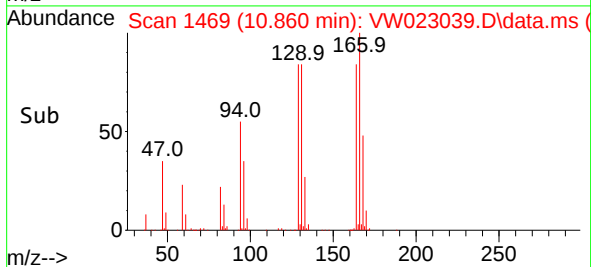
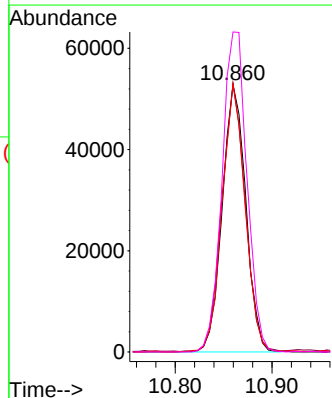
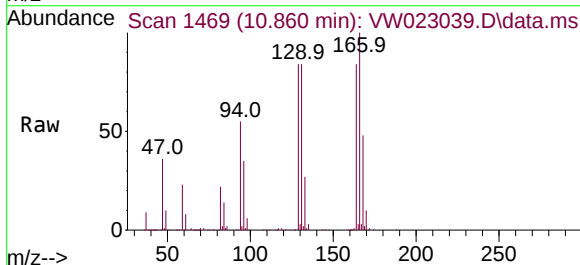
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

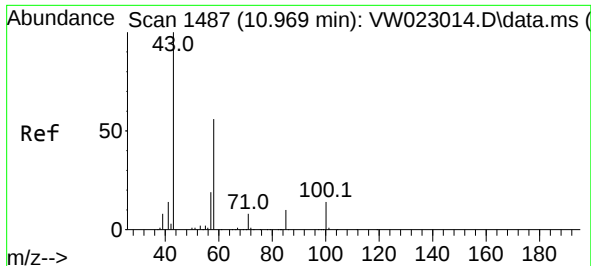
Tgt Ion:	97	Resp:	99116
Ion	Ratio	Lower	Upper
97	100		
99	65.2	44.7	82.9
83	84.6	58.4	108.4
85	53.5	38.7	71.9



#46
Tetrachloroethene
Concen: 23.197 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion:	164	Resp:	89125
Ion	Ratio	Lower	Upper
164	100		
129	100.3	76.9	142.7
131	100.2	75.1	139.5
166	119.6	96.0	178.2

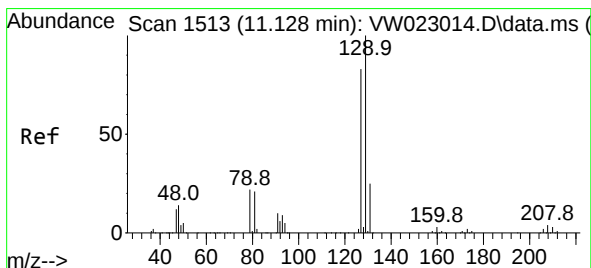
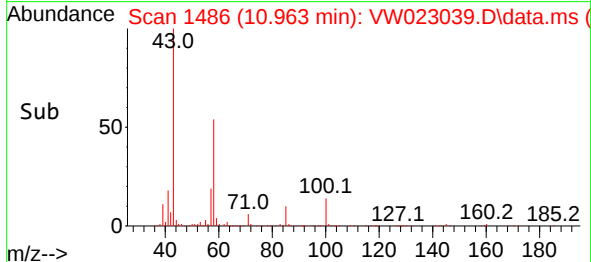
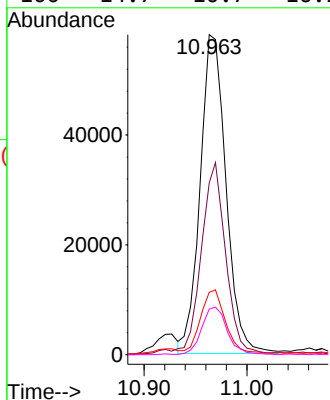
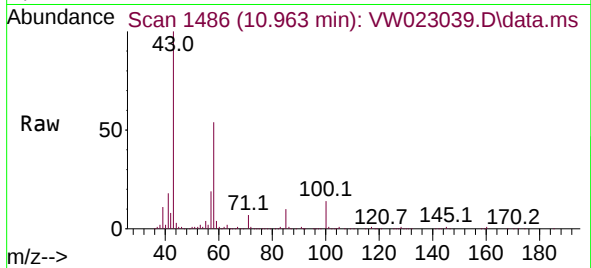




#48
2-Hexanone
Concen: 53.786 ug/L
RT: 10.963 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

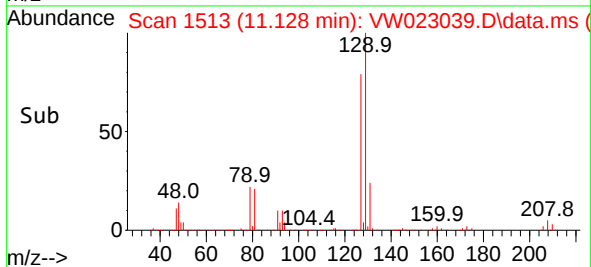
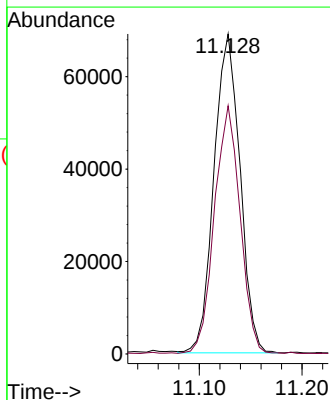
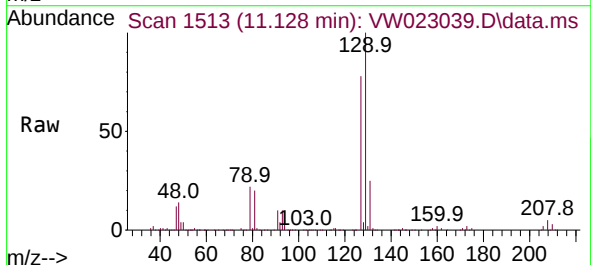
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

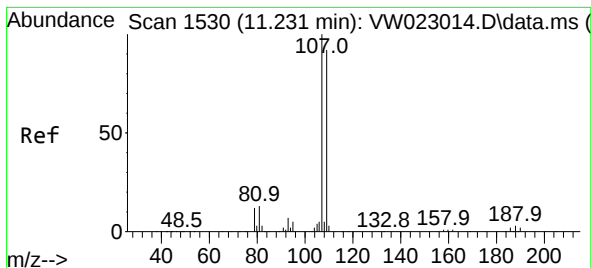
Tgt Ion: 43 Resp: 101901
Ion Ratio Lower Upper
43 100
58 56.5 45.9 68.9
57 19.2 16.2 24.2
100 14.7 10.7 16.1



#49
Dibromochloromethane
Concen: 26.784 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 129 Resp: 121232
Ion Ratio Lower Upper
129 100
127 77.5 53.8 100.0





#50

1,2-Dibromoethane

Concen: 25.893 ug/L

RT: 11.232 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

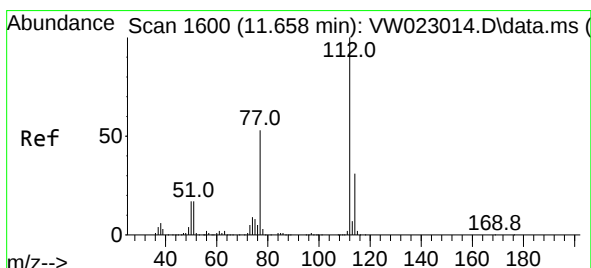
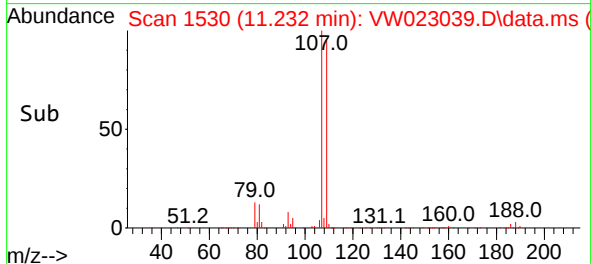
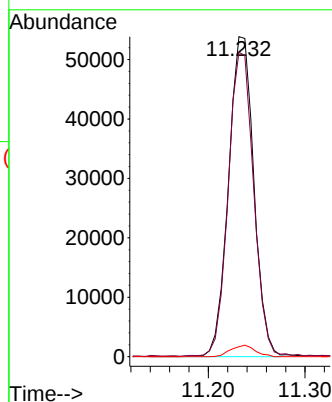
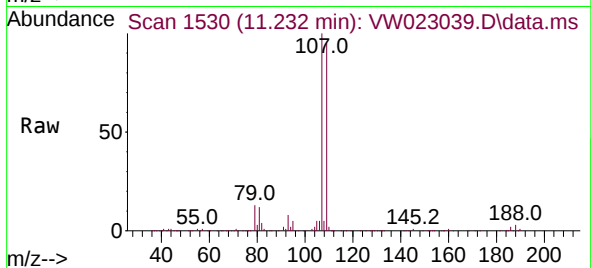
Tgt Ion:107 Resp: 97778

Ion Ratio Lower Upper

107 100

109 95.2 67.5 125.4

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 25.717 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

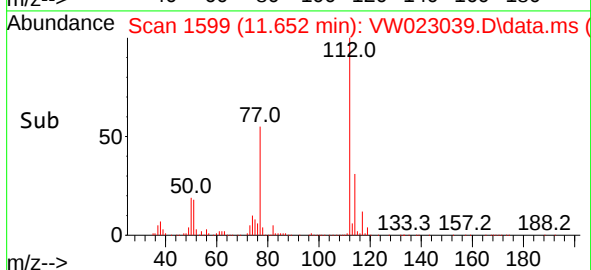
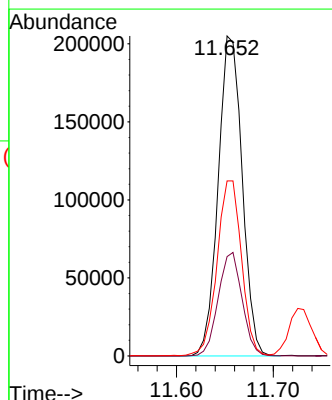
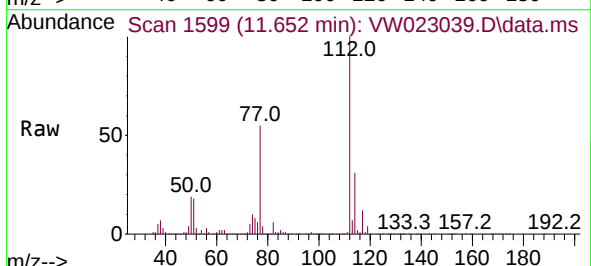
Tgt Ion:112 Resp: 353215

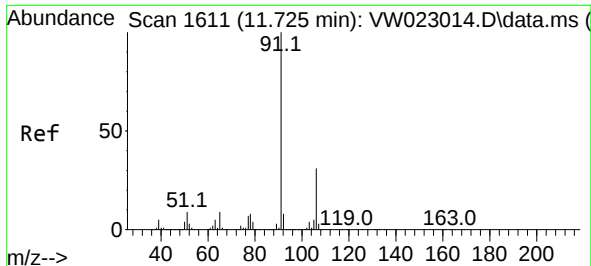
Ion Ratio Lower Upper

112 100

114 31.1 22.0 41.0

77 54.7 42.6 63.8





#52

Ethylbenzene

Concen: 25.486 ug/L

RT: 11.725 min Scan# 1611

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

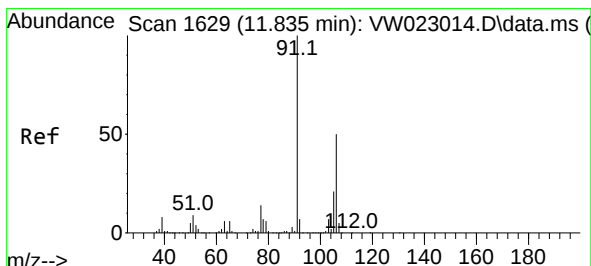
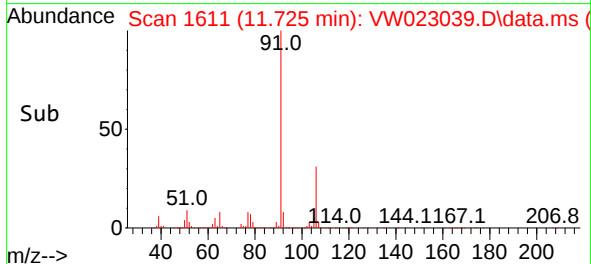
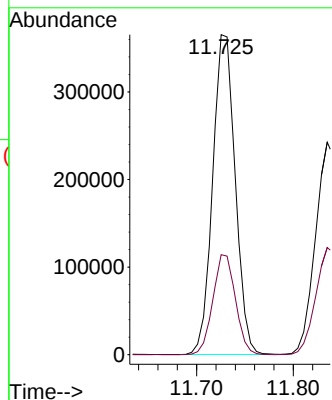
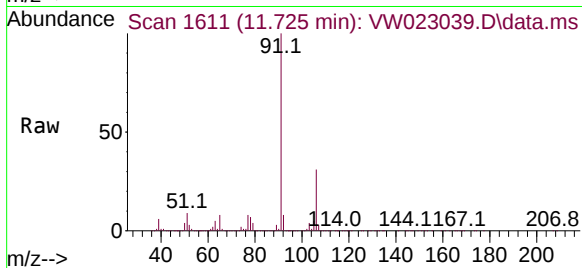
VSTD025531

Tgt Ion: 91 Resp: 590720

Ion Ratio Lower Upper

91 100

106 31.2 22.3 41.3



#53

m,p-Xylene

Concen: 25.198 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VW023039.D

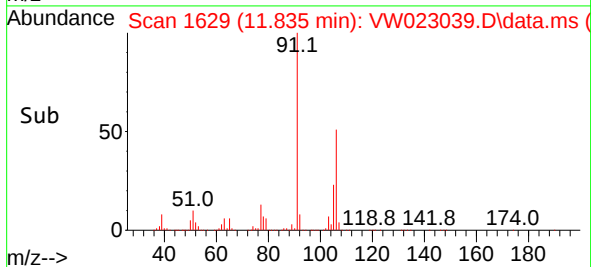
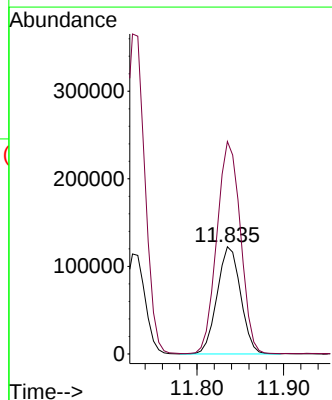
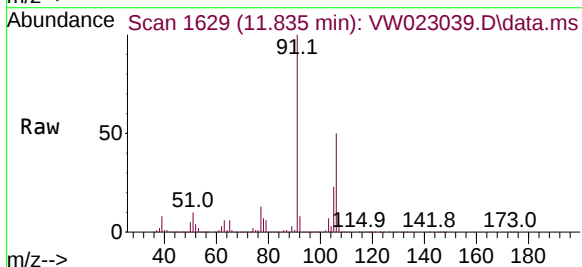
Acq: 13 May 2022 19:59

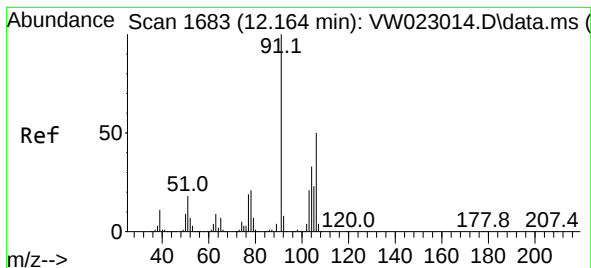
Tgt Ion: 106 Resp: 230119

Ion Ratio Lower Upper

106 100

91 198.2 136.8 254.0





#54

o-Xylene

Concen: 26.186 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

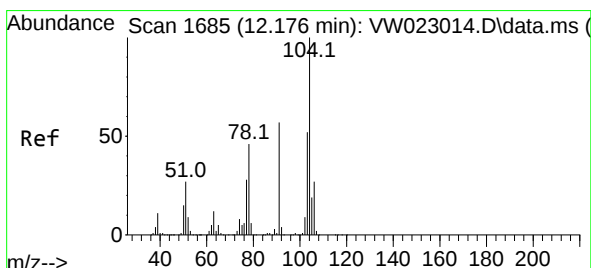
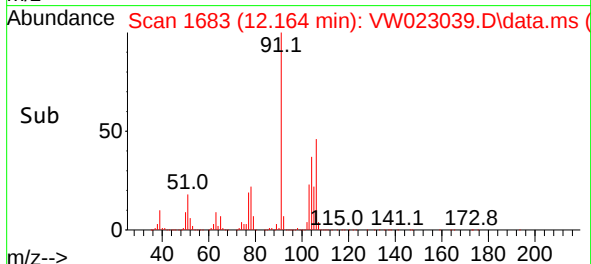
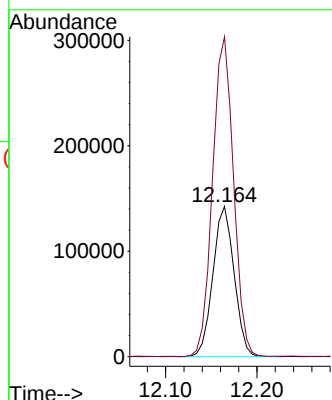
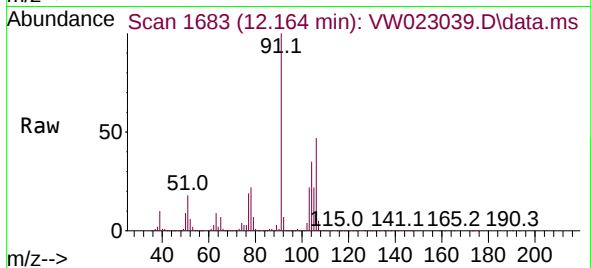
VSTD025531

Tgt Ion:106 Resp: 229487

Ion Ratio Lower Upper

106 100

91 213.0 147.2 273.4



#55

Styrene

Concen: 27.464 ug/L

RT: 12.177 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW023039.D

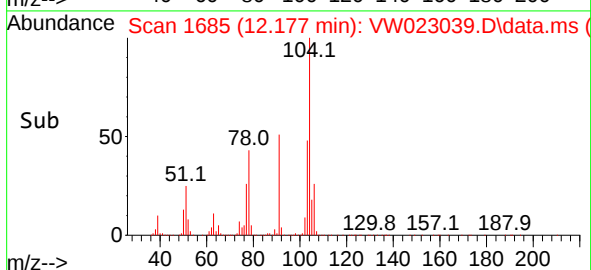
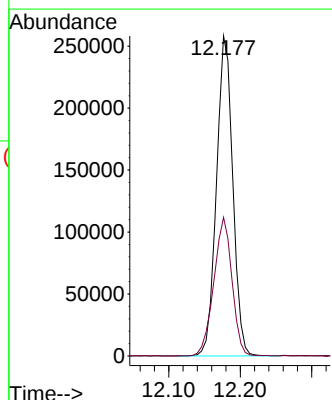
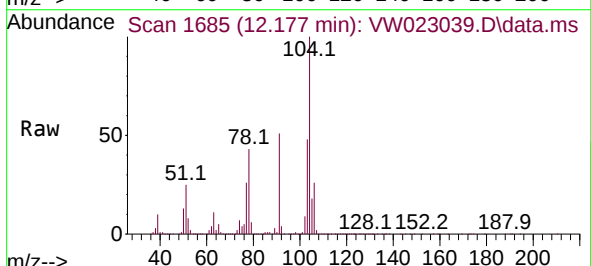
Acq: 13 May 2022 19:59

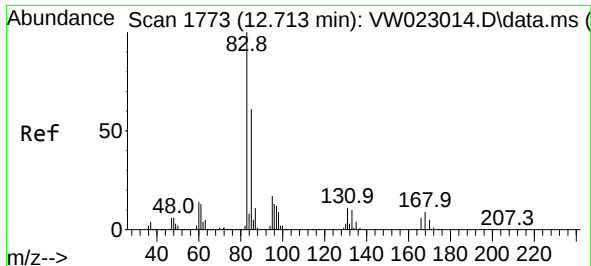
Tgt Ion:104 Resp: 408990

Ion Ratio Lower Upper

104 100

78 43.3 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 27.277 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

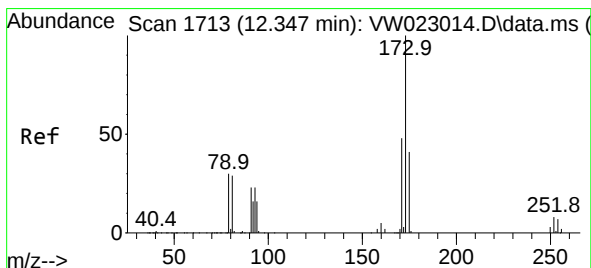
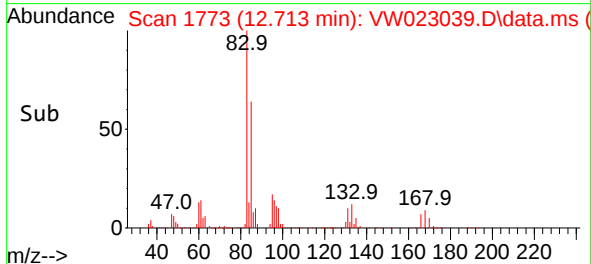
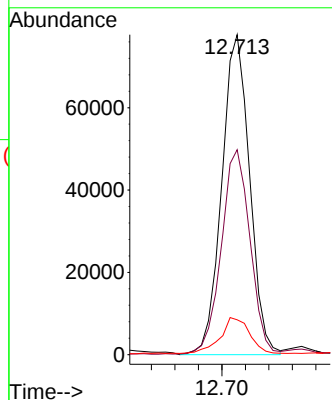
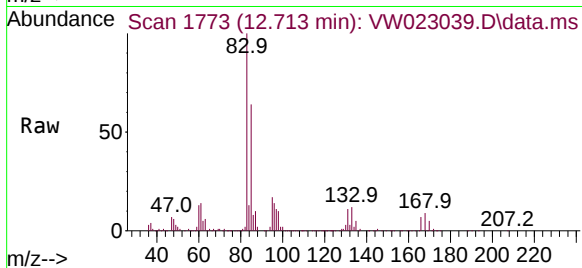
Tgt Ion: 83 Resp: 128126

Ion Ratio Lower Upper

83 100

85 64.1 47.5 88.1

131 10.9 8.7 13.1



#59

Bromoform

Concen: 24.319 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

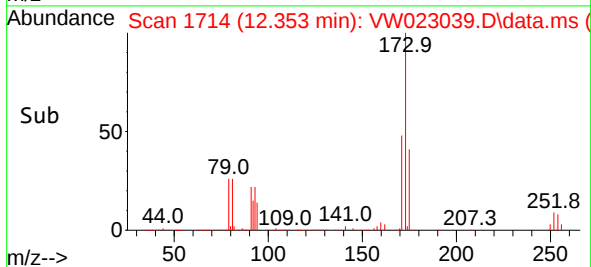
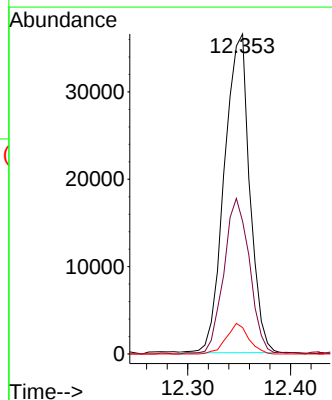
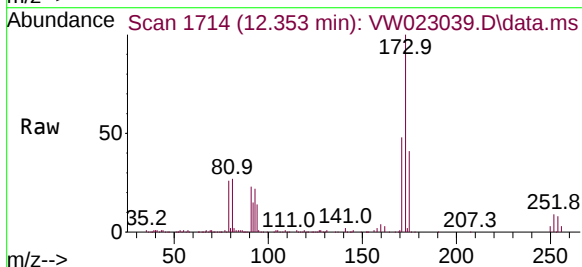
Tgt Ion:173 Resp: 62488

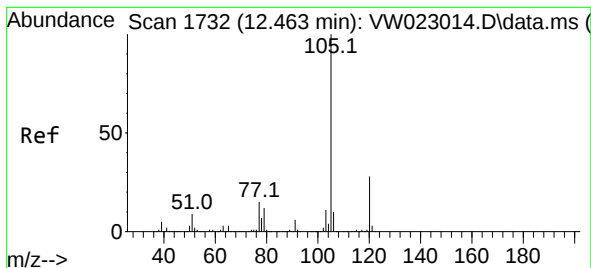
Ion Ratio Lower Upper

173 100

175 48.7 38.1 57.1

254 8.5 6.5 9.7





#60

Isopropylbenzene

Concen: 25.140 ug/L

RT: 12.463 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

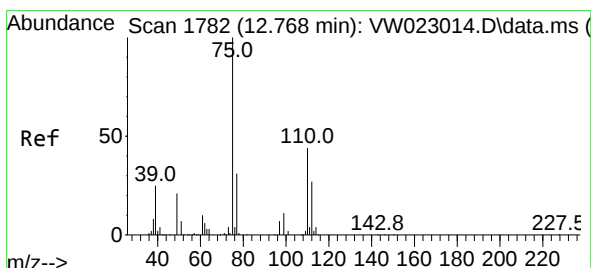
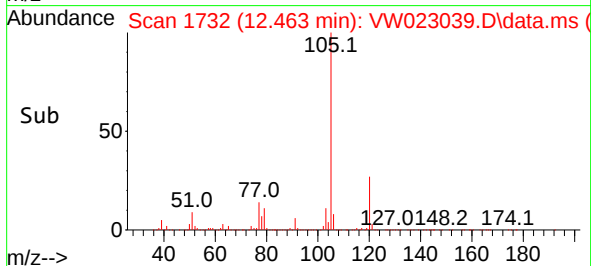
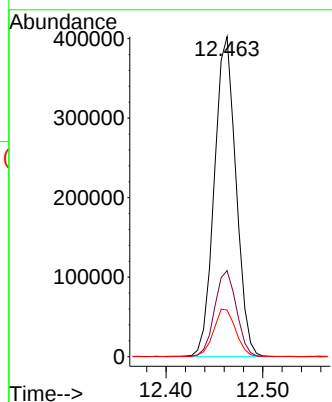
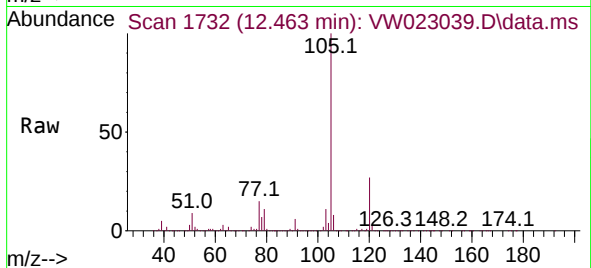
Tgt Ion:105 Resp: 624451

Ion Ratio Lower Upper

105 100

120 27.2 21.3 31.9

77 15.1 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 25.187 ug/L

RT: 12.762 min Scan# 1781

Delta R.T. -0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

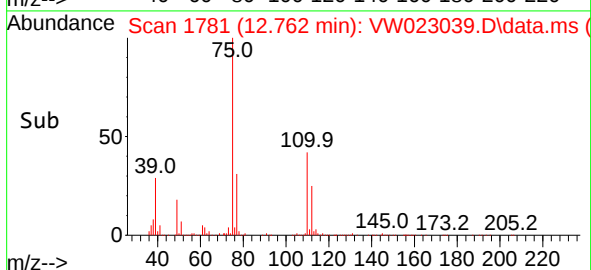
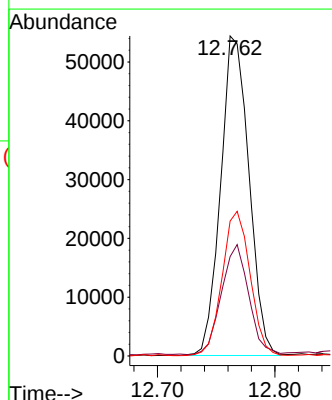
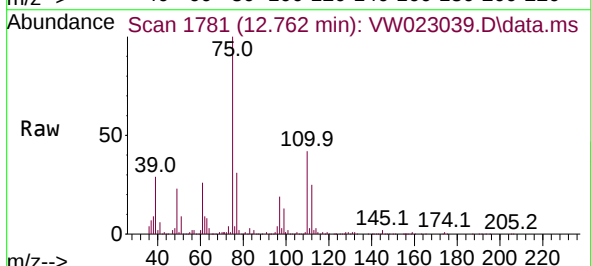
Tgt Ion: 75 Resp: 91250

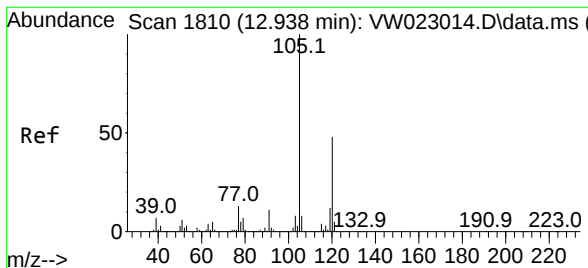
Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

110 44.7 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 25.144 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

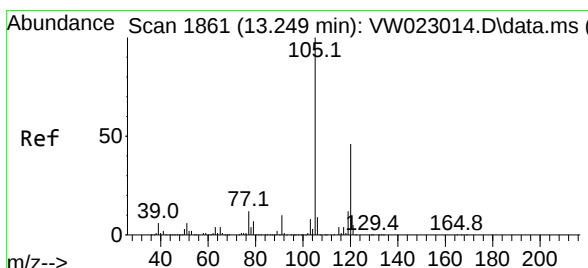
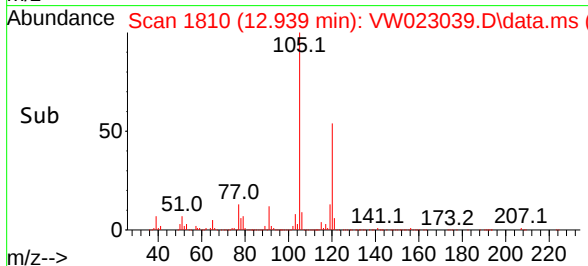
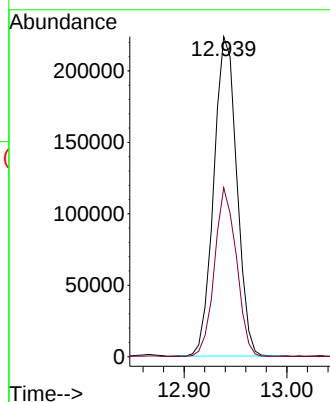
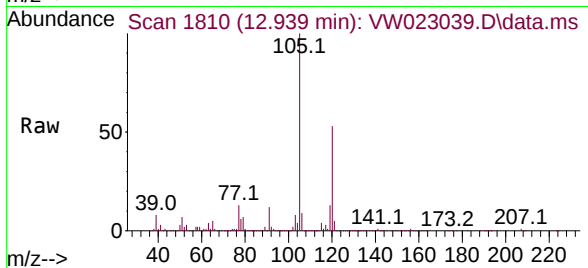
VSTD025531

Tgt Ion:105 Resp: 347472

Ion Ratio Lower Upper

105 100

120 50.4 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 25.986 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023039.D

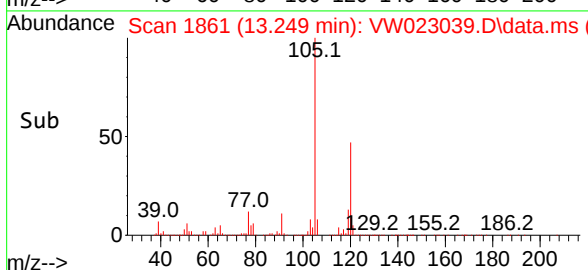
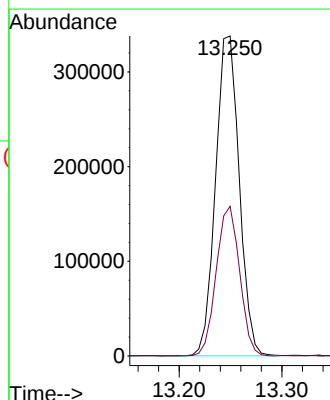
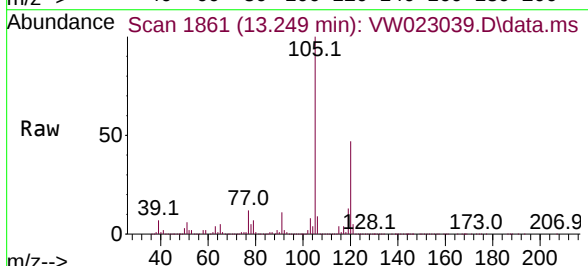
Acq: 13 May 2022 19:59

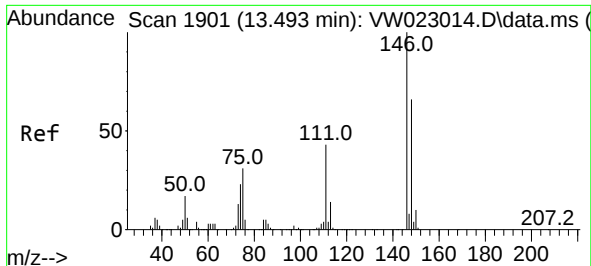
Tgt Ion:105 Resp: 539209

Ion Ratio Lower Upper

105 100

120 46.2 37.4 56.2

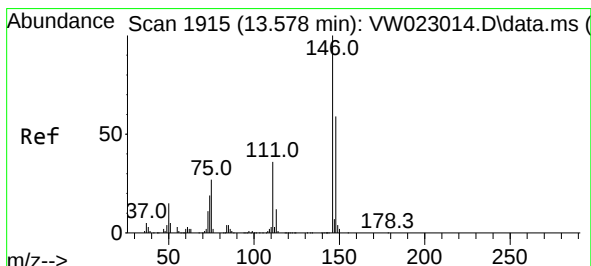
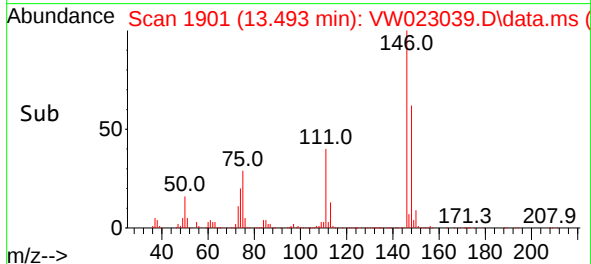
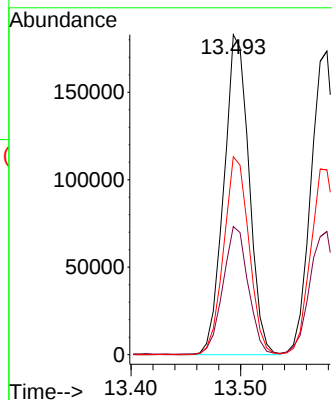
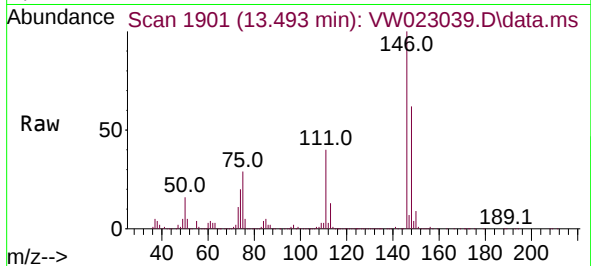




#64
1,3-Dichlorobenzene
Concen: 26.268 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

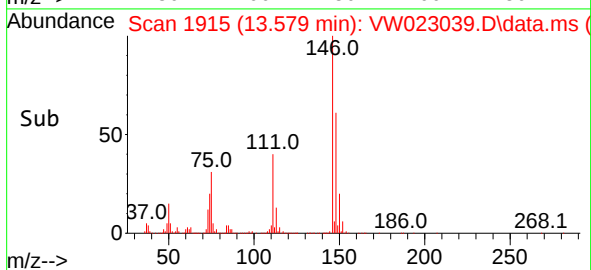
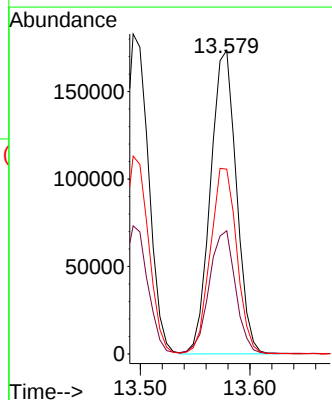
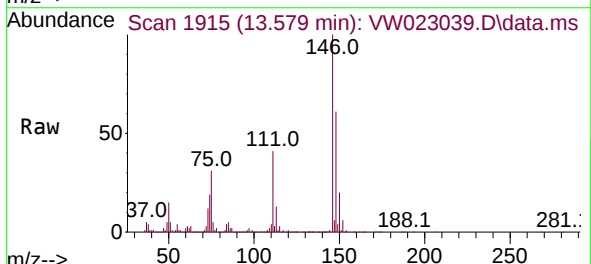
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

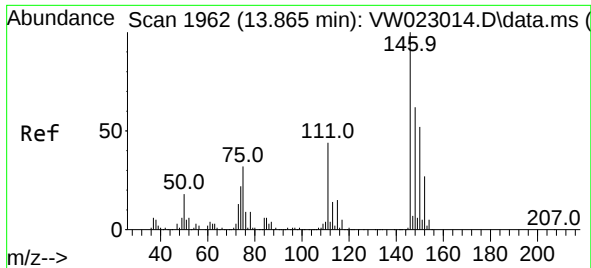
Tgt Ion:146 Resp: 291311
Ion Ratio Lower Upper
146 100
111 40.0 29.5 54.9
148 61.8 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 24.889 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion:146 Resp: 285101
Ion Ratio Lower Upper
146 100
111 40.5 27.2 50.4
148 60.9 44.0 81.6

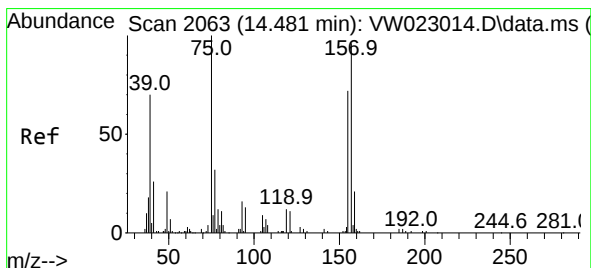
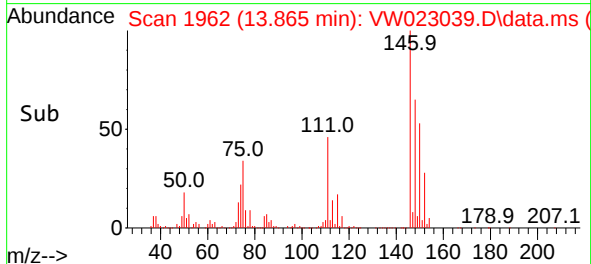
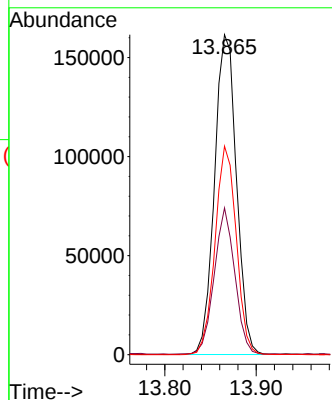
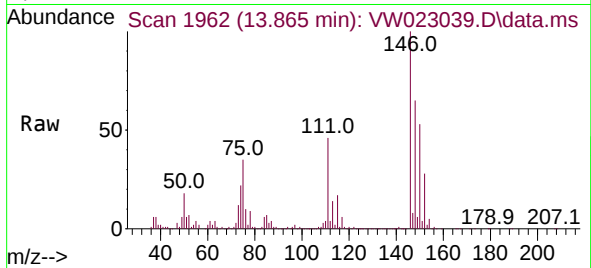




#67
1,2-Dichlorobenzene
Concen: 26.549 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

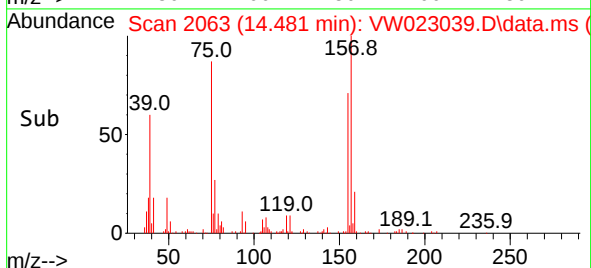
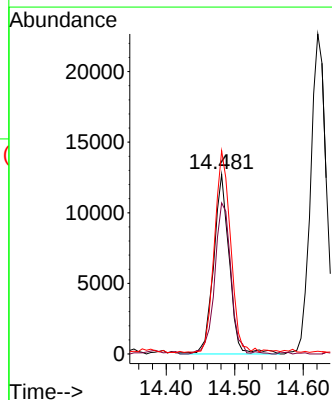
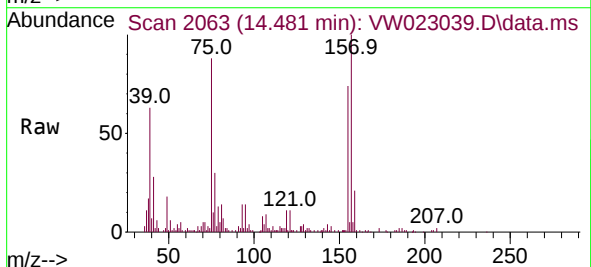
Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

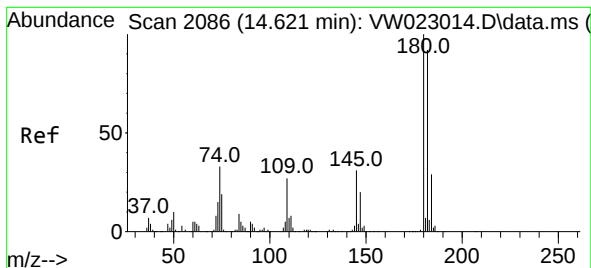
Tgt Ion:146 Resp: 269421
Ion Ratio Lower Upper
146 100
111 45.8 35.7 53.5
148 65.2 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 25.438 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW023039.D
Acq: 13 May 2022 19:59

Tgt Ion: 75 Resp: 20141
Ion Ratio Lower Upper
75 100
155 84.1 59.3 88.9
157 113.2 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 26.156 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

Tgt Ion:180 Resp: 192547

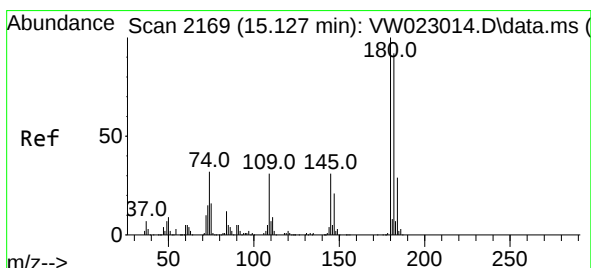
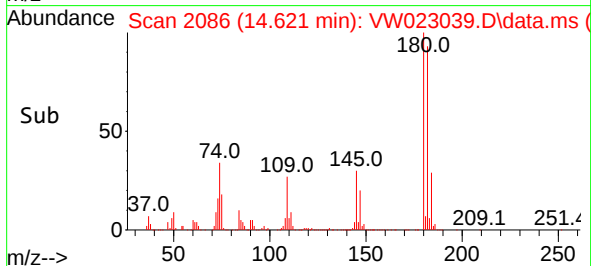
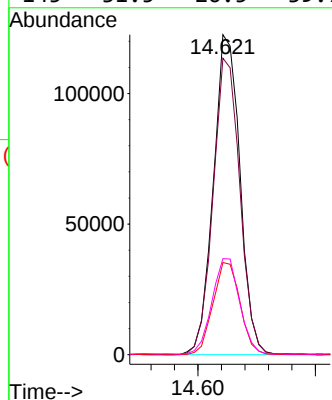
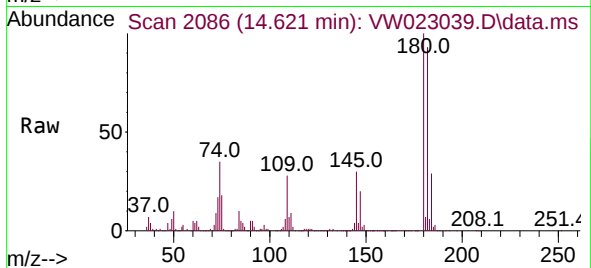
Ion Ratio Lower Upper

180 100

182 93.2 74.8 112.2

184 29.3 23.4 35.2

145 31.5 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 26.964 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

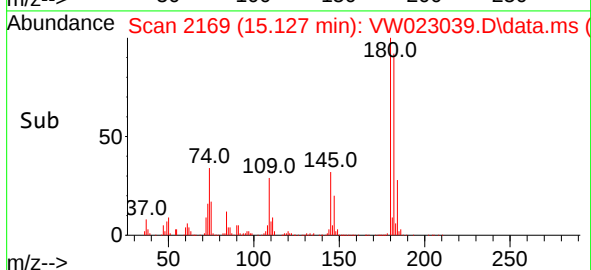
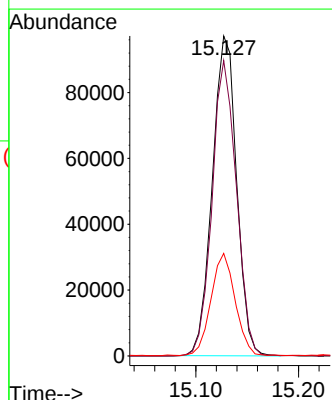
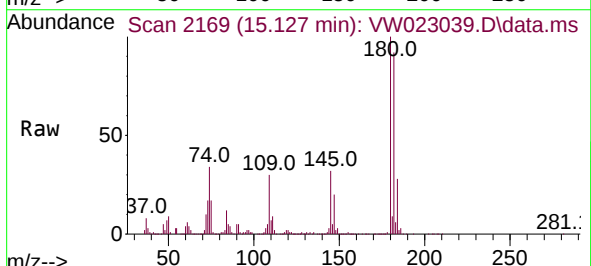
Tgt Ion:180 Resp: 159672

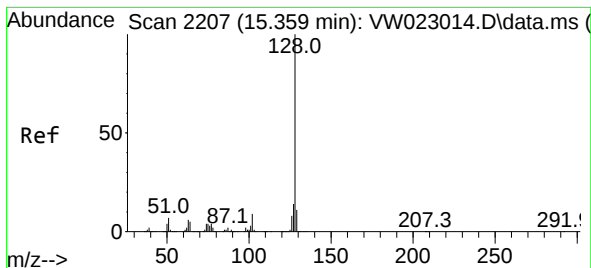
Ion Ratio Lower Upper

180 100

182 92.4 74.9 112.3

145 31.5 26.6 39.8





#71

Naphthalene

Concen: 29.100 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD025531

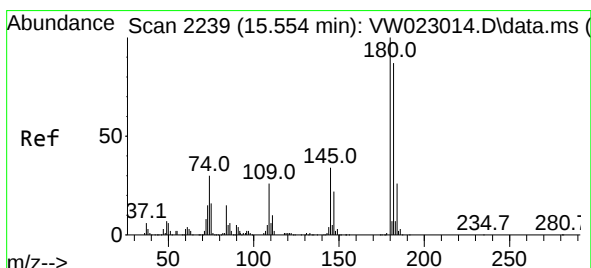
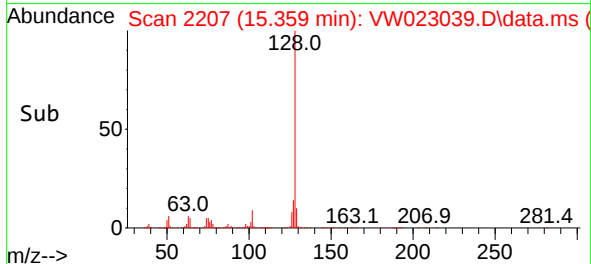
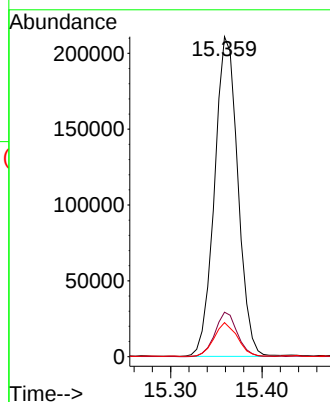
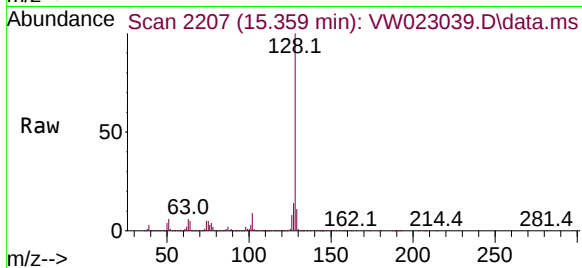
Tgt Ion:128 Resp: 374537

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 26.018 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW023039.D

Acq: 13 May 2022 19:59

Tgt Ion:180 Resp: 136553

Ion Ratio Lower Upper

180 100

182 97.2 73.5 110.3

145 36.0 27.9 41.9

