

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051822\
 Data File : VW023144.D
 Acq On : 18 May 2022 21:16
 Operator : SY/VA
 Sample : N2848-17MSD
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 19 04:31:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 19 04:23:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	226173	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	186920	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	87328	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	59098	12.736	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.960%
7) Chloroethane-d5	2.879	69	51270	16.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.920%
11) 1,1-Dichloroethene-d2	4.013	63	89121	14.864	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.440%
21) 2-Butanone-d5	7.080	46	48161	54.588	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.180%
24) Chloroform-d	7.647	84	144359	21.786	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.160%
26) 1,2-Dichloroethane-d4	8.305	65	86998	23.938	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.760%
32) Benzene-d6	8.275	84	272202	25.265	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.040%
36) 1,2-Dichloropropane-d6	9.274	67	89194	29.472	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.880%
41) Toluene-d8	10.323	98	235714	22.648	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	10.579	79	30373	21.796	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.200%
47) 2-Hexanone-d5	10.927	63	37404	64.742	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.480%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	84158	29.834	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	78487	25.711	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	10387	8.425	ug/L	98
3) Chloromethane	2.215	50	47170	19.798	ug/L	96
5) Vinyl chloride	2.361	62	75548	15.800	ug/L	99
6) Bromomethane	2.776	94	45873	14.942	ug/L	86
8) Chloroethane	2.916	64	42792	18.555	ug/L	99
9) Trichlorofluoromethane	3.257	101	42257	19.336	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	54876	16.793	ug/L	96
12) 1,1-Dichloroethene	4.038	96	47201	16.294	ug/L	95
13) Acetone	4.123	43	33484	50.692	ug/L	99
14) Carbon disulfide	4.385	76	89521	11.272	ug/L	97
15) Methyl Acetate	4.672	43	25496	19.213	ug/L #	71
16) Methylene chloride	4.909	84	64300	19.429	ug/L	97
17) trans-1,2-Dichloroethene	5.428	96	49676	15.239	ug/L	94
18) Methyl tert-butyl Ether	5.428	73	118223	23.757	ug/L	99
19) 1,1-Dichloroethane	6.214	63	106062	19.197	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	63675	18.186	ug/L #	98
22) 2-Butanone	7.177	43	38838	42.043	ug/L	99
23) Bromochloromethane	7.519	128	31526	19.226	ug/L	87
25) Chloroform	7.677	83	125077	20.474	ug/L	96

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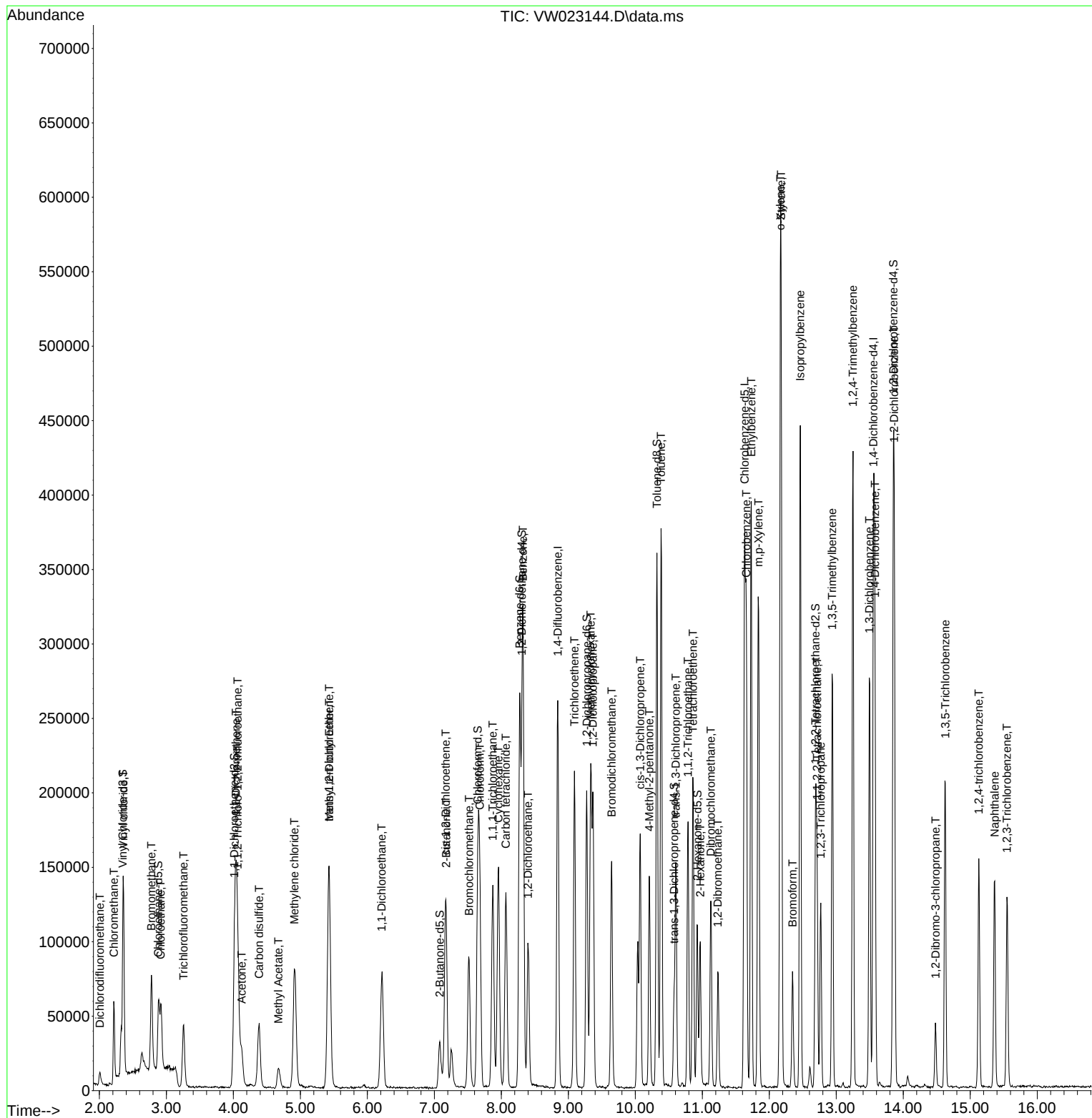
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	86873	21.332	ug/L #	95
29) Cyclohexane	7.958	56	74386	18.401	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	106666	24.148	ug/L	99
31) Carbon tetrachloride	8.067	117	95871	23.202	ug/L	99
33) Benzene	8.323	78	265144	24.079	ug/L	100
34) Trichloroethene	9.092	95	68350	22.570	ug/L	93
35) Methylcyclohexane	9.335	83	88185	17.726	ug/L	98
37) 1,2-Dichloropropane	9.366	63	67771	25.432	ug/L	99
38) Bromodichloromethane	9.646	83	95944	25.349	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	97385	23.569	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	85167	50.707	ug/L	97
42) Toluene	10.384	91	277412	22.480	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	76877	20.845	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	54726	24.567	ug/L	95
46) Tetrachloroethene	10.860	164	41873	18.399	ug/L	94
48) 2-Hexanone	10.969	43	58990	52.565	ug/L	97
49) Dibromochloromethane	11.128	129	62809	23.427	ug/L	97
50) 1,2-Dibromoethane	11.231	107	50579	22.612	ug/L	88
51) Chlorobenzene	11.658	112	166348	20.447	ug/L	99
52) Ethylbenzene	11.731	91	276523	20.141	ug/L	98
53) m,p-Xylene	11.841	106	106946	19.770	ug/L	96
54) o-Xylene	12.164	106	107258	20.662	ug/L	95
55) Styrene	12.176	104	183045	20.751	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	64076	23.029	ug/L	99
59) Bromoform	12.347	173	31599	25.533	ug/L	98
60) Isopropylbenzene	12.463	105	284006	23.739	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	48974	28.067	ug/L	100
62) 1,3,5-Trimethylbenzene	12.938	105	149384	22.444	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	233524	23.367	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	108990	20.405	ug/L	93
65) 1,4-Dichlorobenzene	13.579	146	111748	20.255	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	107051	21.902	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	9704	25.447	ug/L	96
69) 1,3,5-Trichlorobenzene	14.627	180	59935	16.904	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	42992	15.074	ug/L	98
71) Naphthalene	15.365	128	116845	18.849	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	38151	15.093	ug/L	97

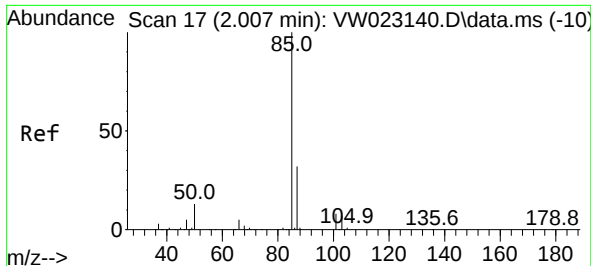
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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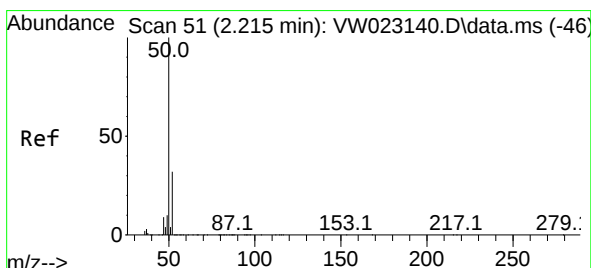
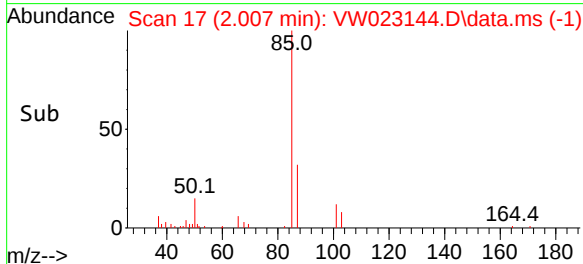
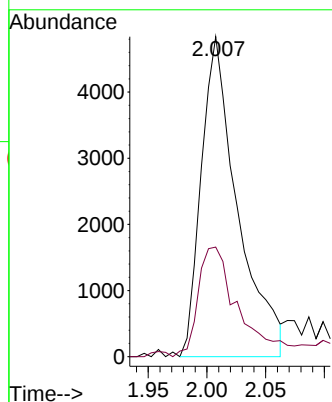
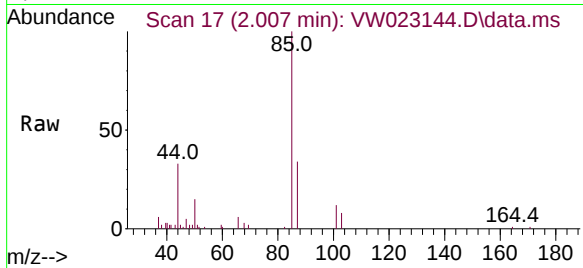




#2
 Dichlorodifluoromethane
 Concen: 8.425 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW023144.D
 Acq: 18 May 2022 21:16

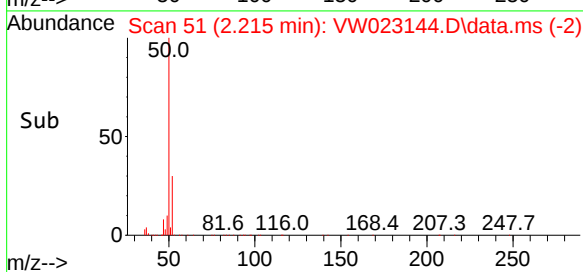
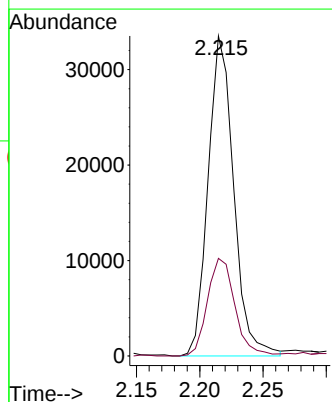
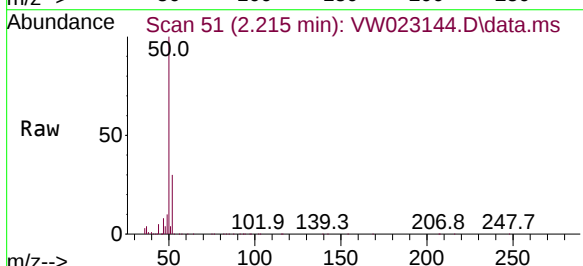
Instrument :
 MSVOA_W
 ClientSampleId :

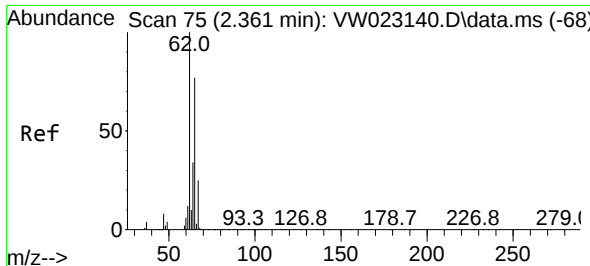
Tgt Ion: 85 Resp: 10387
 Ion Ratio Lower Upper
 85 100
 87 35.9 27.8 41.8



#3
 Chloromethane
 Concen: 19.798 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW023144.D
 Acq: 18 May 2022 21:16

Tgt Ion: 50 Resp: 47170
 Ion Ratio Lower Upper
 50 100
 52 30.5 23.1 42.9

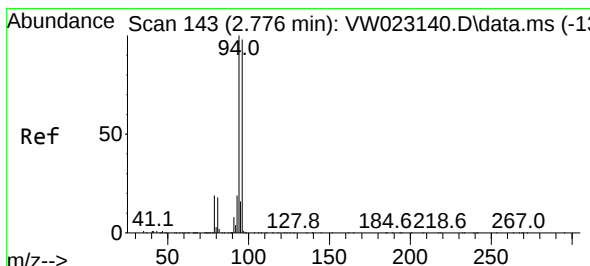
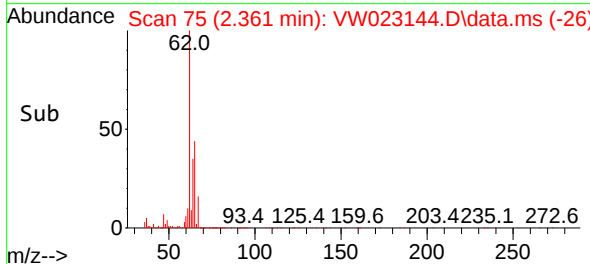
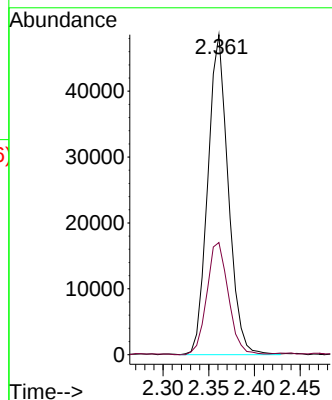
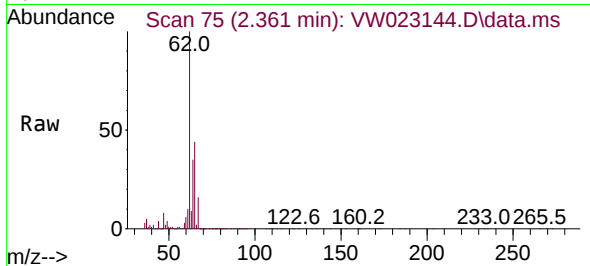




#5
 Vinyl chloride
 Concen: 15.800 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW023144.D
 Acq: 18 May 2022 21:16

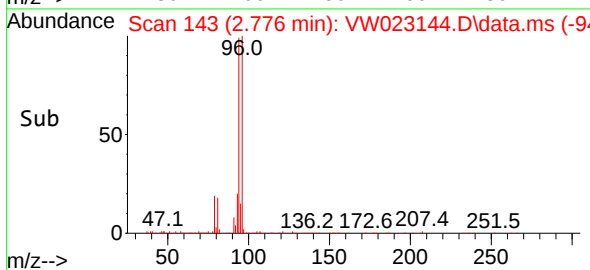
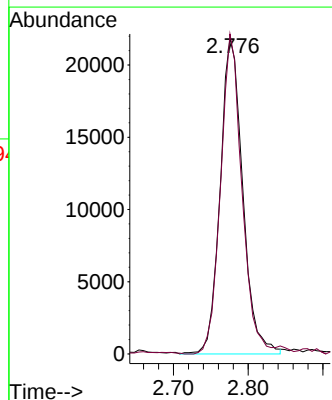
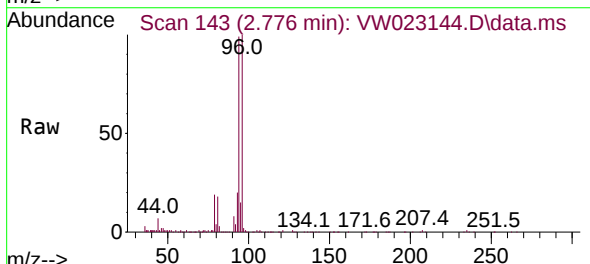
Instrument :
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 ClientSampleId :

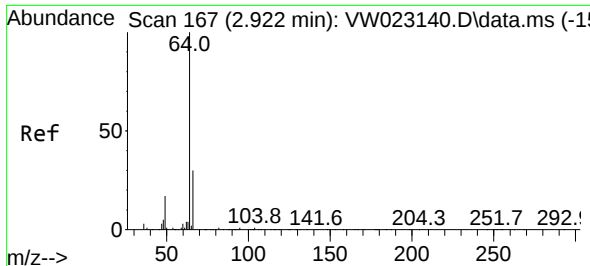
Tgt Ion: 62 Resp: 75548
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.9 46.3



#6
 Bromomethane
 Concen: 14.942 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW023144.D
 Acq: 18 May 2022 21:16

Tgt Ion: 94 Resp: 45873
 Ion Ratio Lower Upper
 94 100
 96 101.4 61.7 114.5

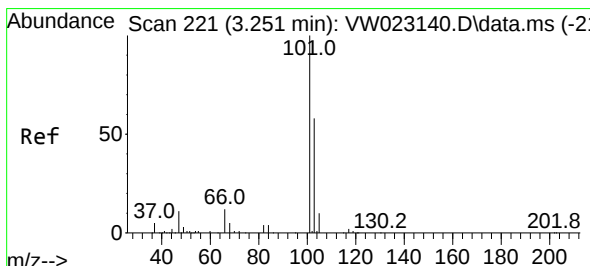
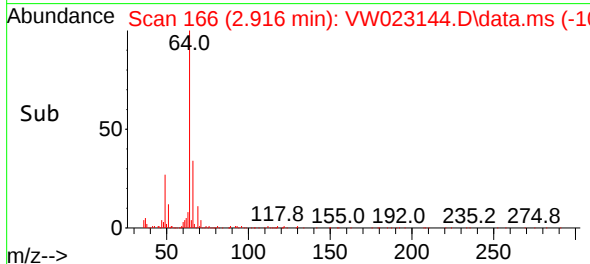
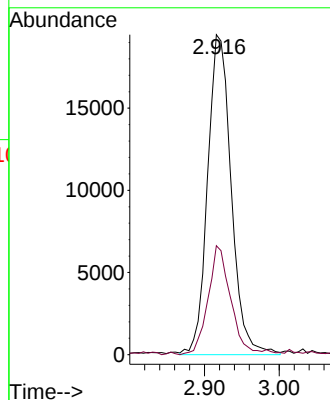
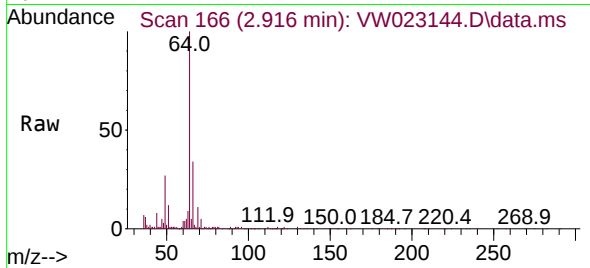




#8
Chloroethane
Concen: 18.555 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

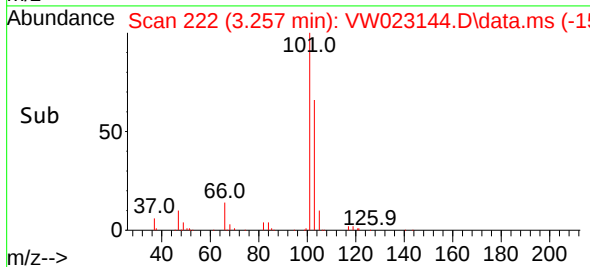
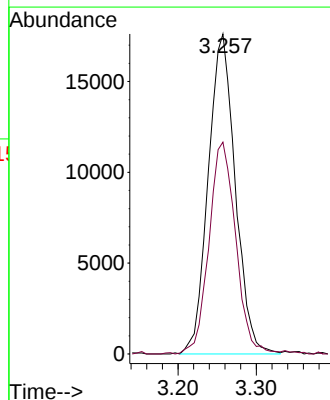
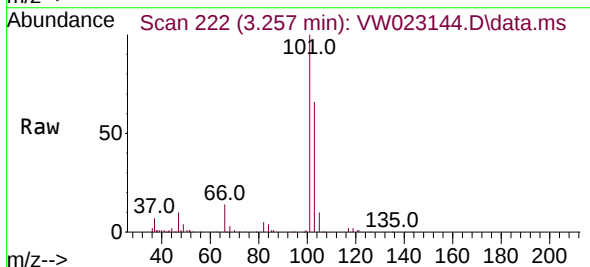
Instrument :
MSVOA_W
ClientSampleId :

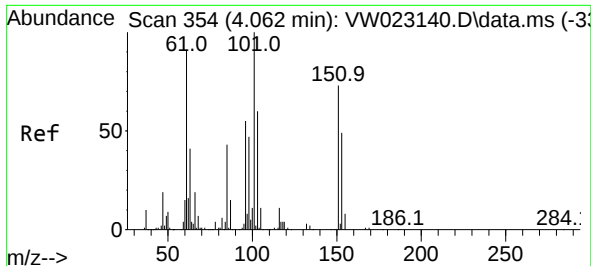
Tgt Ion: 64 Resp: 42792
Ion Ratio Lower Upper
64 100
66 34.1 23.4 43.6



#9
Trichlorofluoromethane
Concen: 19.336 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 101 Resp: 42257
Ion Ratio Lower Upper
101 100
103 65.4 53.9 80.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 16.793 ug/L

RT: 4.062 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

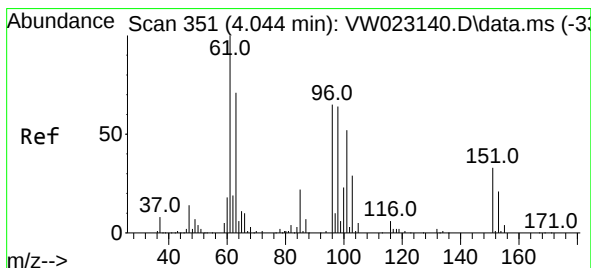
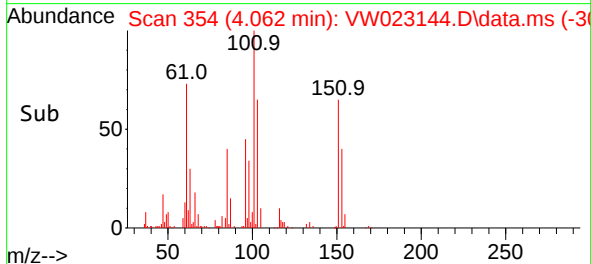
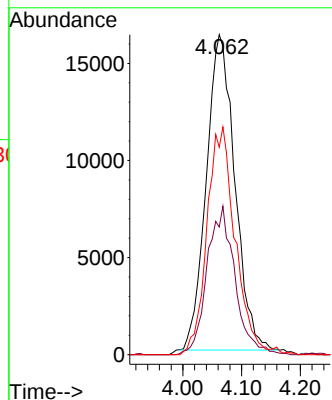
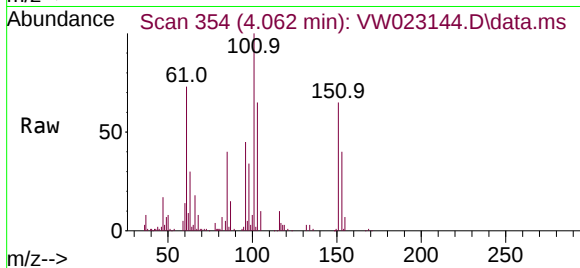
Tgt Ion:101 Resp: 54876

Ion Ratio Lower Upper

101 100

85 45.1 34.3 51.5

151 70.9 54.2 81.2



#12

1,1-Dichloroethene

Concen: 16.294 ug/L

RT: 4.038 min Scan# 350

Delta R.T. -0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

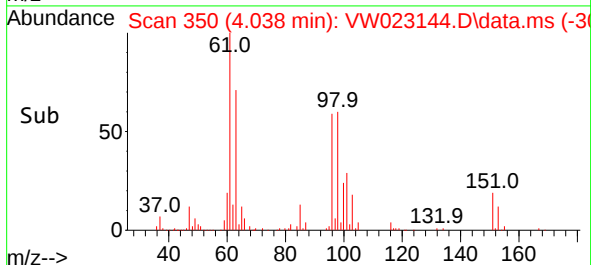
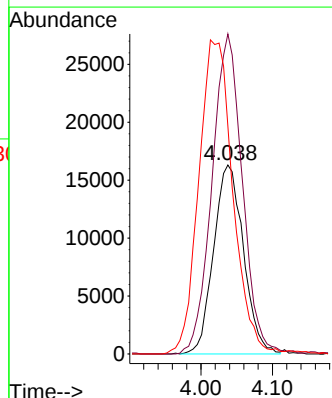
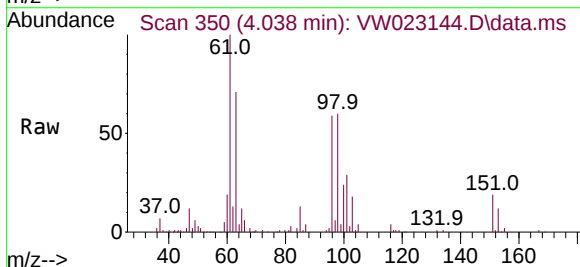
Tgt Ion: 96 Resp: 47201

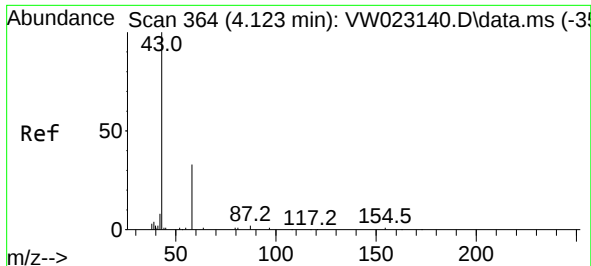
Ion Ratio Lower Upper

96 100

61 169.3 125.7 233.5

63 120.6 83.4 155.0





#13

Acetone

Concen: 50.692 ug/L

RT: 4.123 min Scan# 364

Delta R.T. 0.000 min

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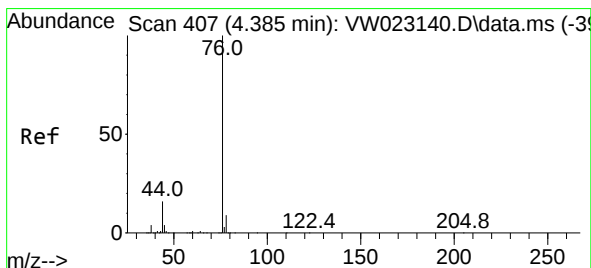
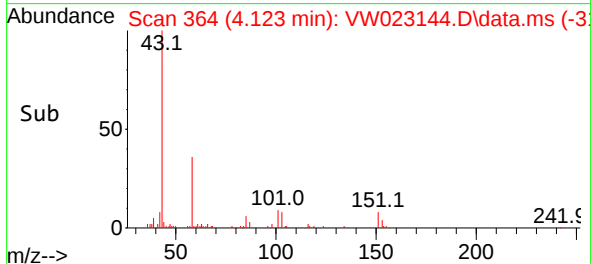
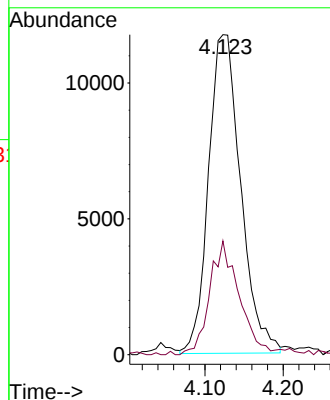
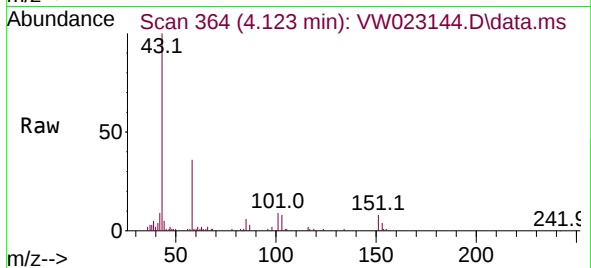
ClientSampleId :

Tgt Ion: 43 Resp: 33484

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



#14

Carbon disulfide

Concen: 11.272 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW023144.D

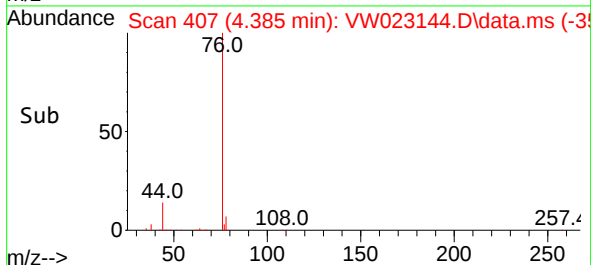
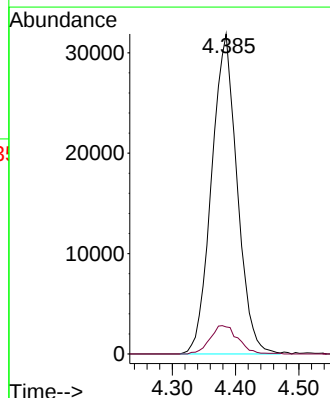
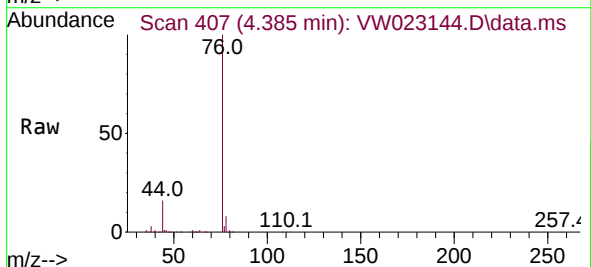
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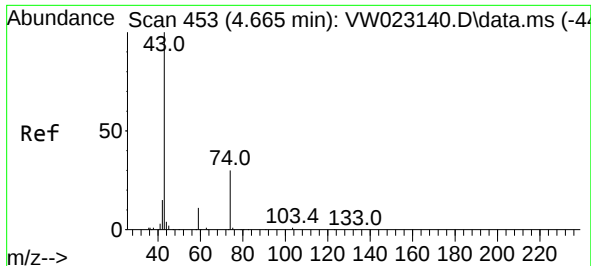
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Ion Ratio Lower Upper

76 100

78 8.4 7.7 11.5

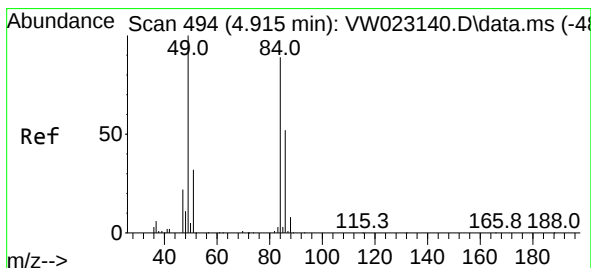
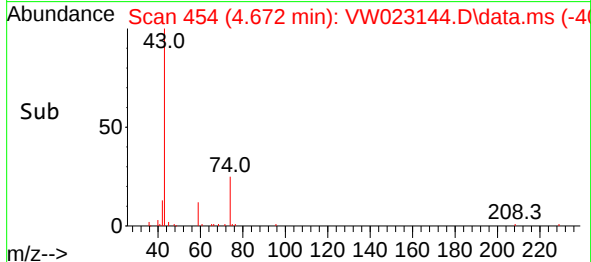
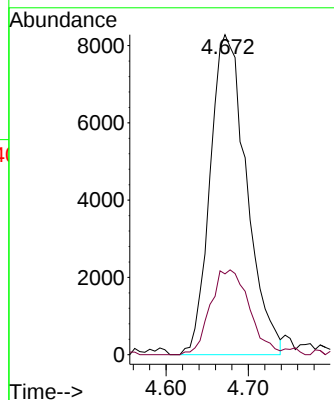
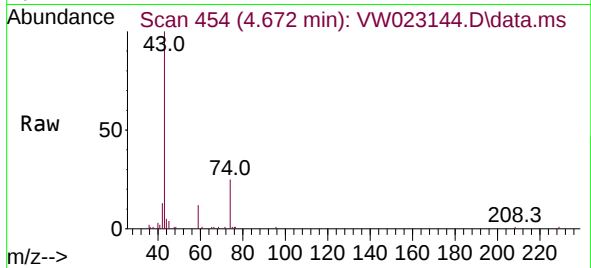




#15
Methyl Acetate
Concen: 19.213 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

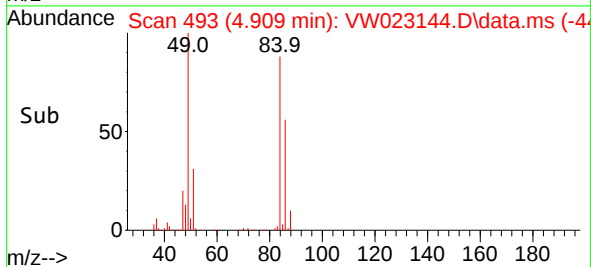
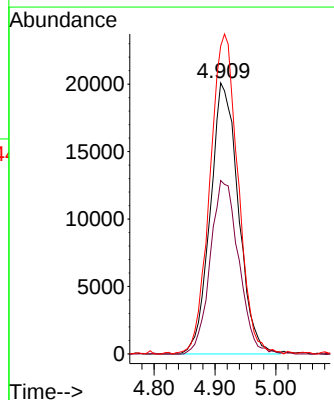
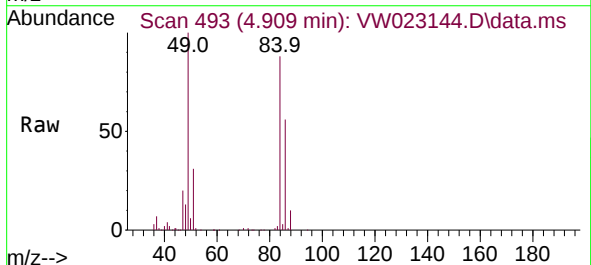
Instrument :
MSVOA_W
ClientSampleId :

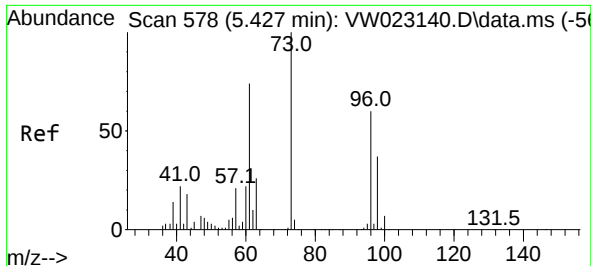
Tgt Ion: 43 Resp: 25496
Ion Ratio Lower Upper
43 100
74 12.4 21.9 32.9#



#16
Methylene chloride
Concen: 19.429 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 84 Resp: 64300
Ion Ratio Lower Upper
84 100
86 63.9 45.4 84.4
49 113.5 82.5 153.1

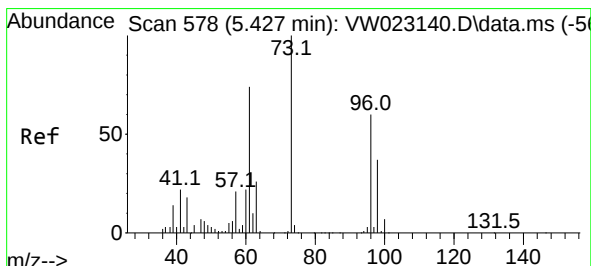
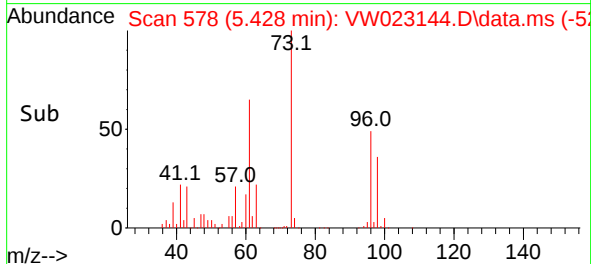
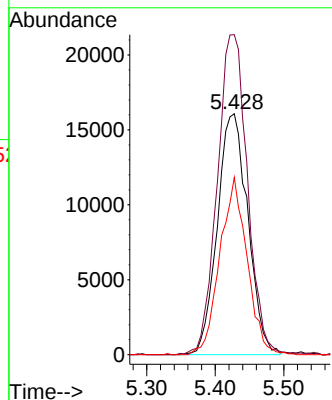
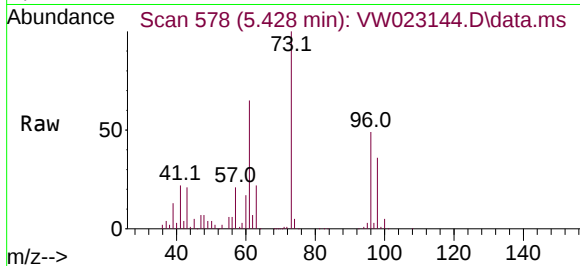




#17
trans-1,2-Dichloroethene
Concen: 15.239 ug/L
RT: 5.428 min Scan# 518
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

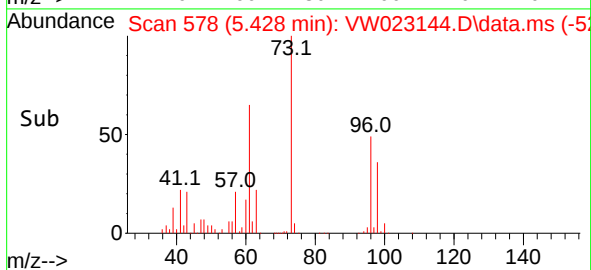
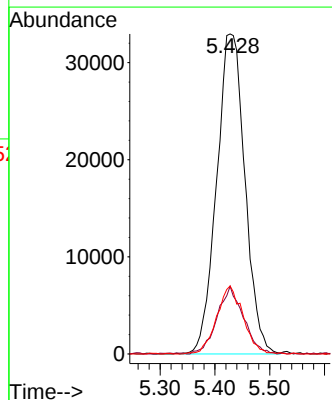
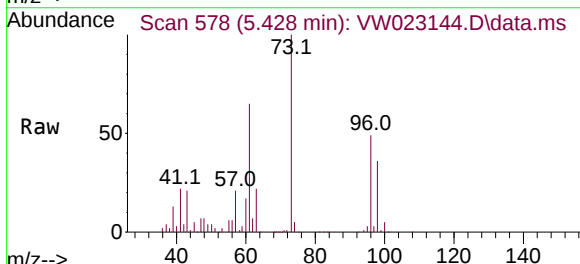
Instrument :
MSVOA_W
ClientSampleId :

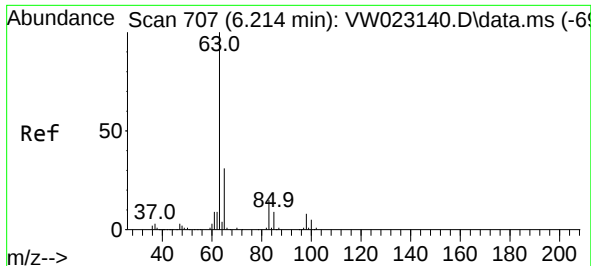
Tgt Ion: 96 Resp: 49676
Ion Ratio Lower Upper
96 100
61 132.8 92.2 171.2
98 73.6 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 23.757 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 73 Resp: 118223
Ion Ratio Lower Upper
73 100
43 19.6 15.9 23.9
57 19.8 16.5 24.7





#19

1,1-Dichloroethane

Concen: 19.197 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

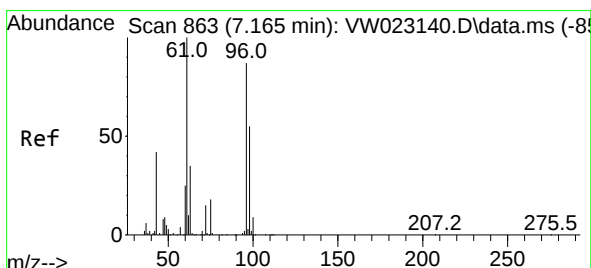
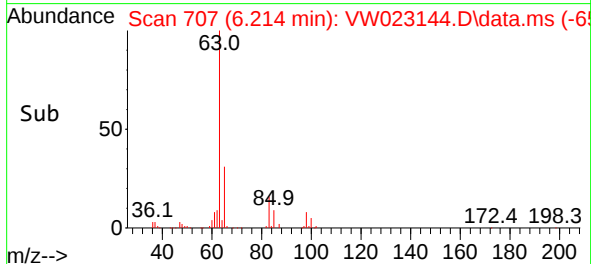
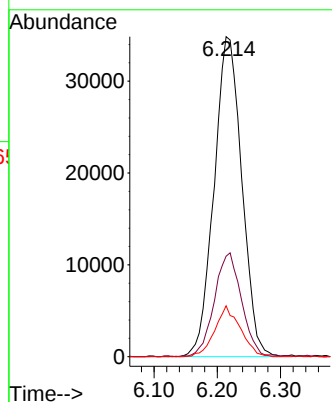
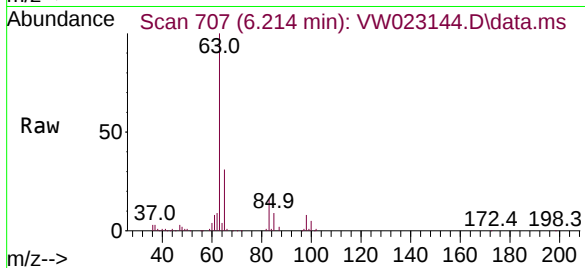
Tgt Ion: 63 Resp: 106062

Ion Ratio Lower Upper

63 100

65 31.4 23.3 43.3

83 15.9 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 18.186 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

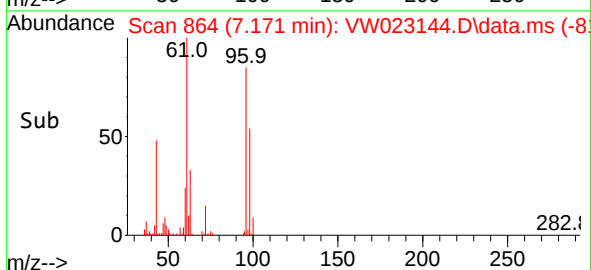
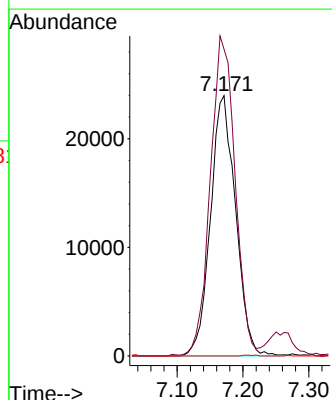
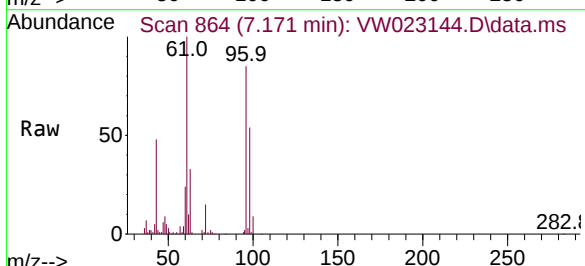
Tgt Ion: 96 Resp: 63675

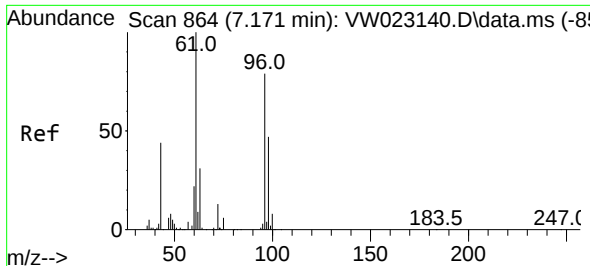
Ion Ratio Lower Upper

96 100

61 117.9 84.2 156.4

68 0.0 0.1 0.1#

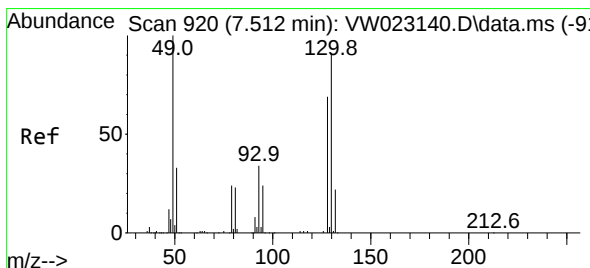
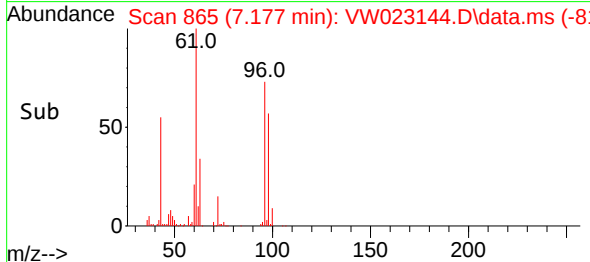
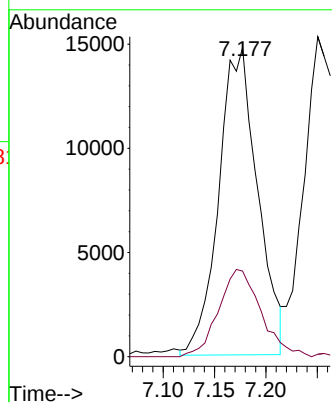
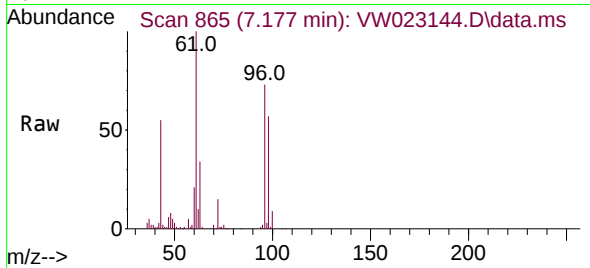




#22
2-Butanone
Concen: 42.043 ug/L
RT: 7.177 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

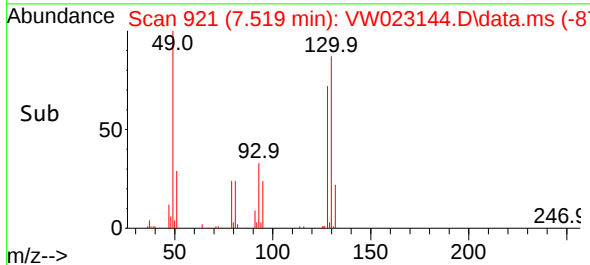
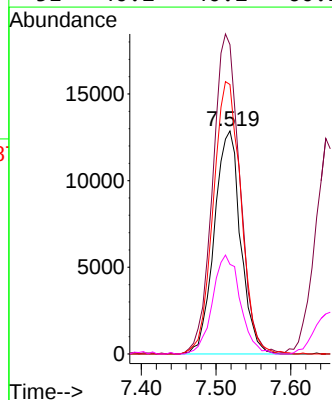
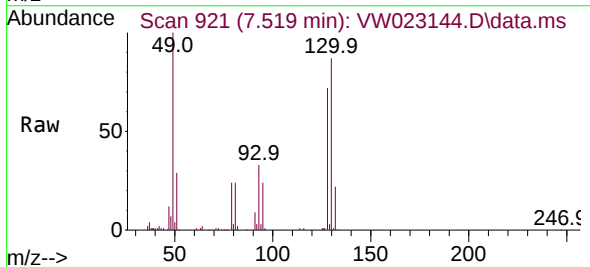
Instrument :
MSVOA_W
ClientSampleId :

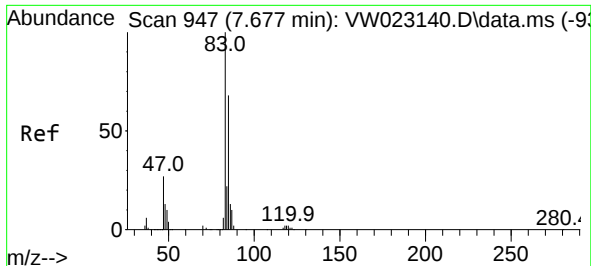
Tgt Ion: 43 Resp: 38838
Ion Ratio Lower Upper
43 100
72 30.9 15.1 45.3



#23
Bromochloromethane
Concen: 19.226 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 128 Resp: 31526
Ion Ratio Lower Upper
128 100
49 138.7 110.0 204.4
130 120.8 94.8 176.0
51 40.2 40.2 60.2





#25

Chloroform

Concen: 20.474 ug/L

RT: 7.677 min Scan# 94

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

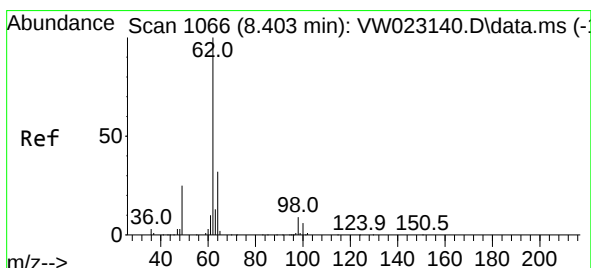
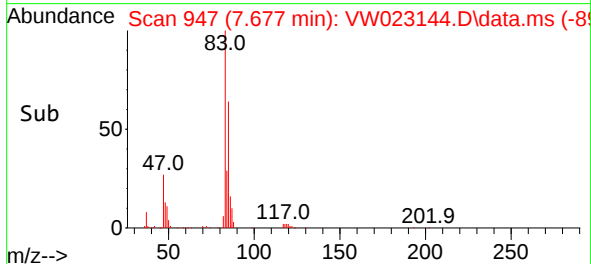
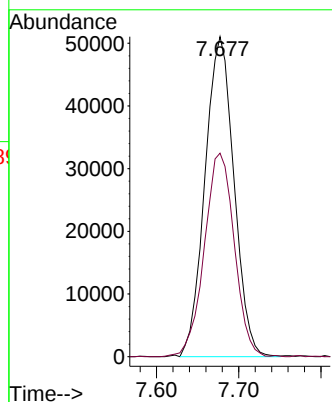
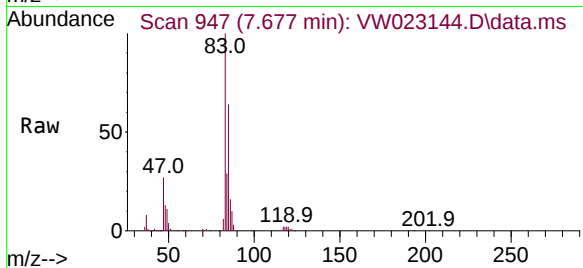
ClientSampleId :

Tgt Ion: 83 Resp: 125077

Ion Ratio Lower Upper

83 100

85 63.6 46.6 86.6



#27

1,2-Dichloroethane

Concen: 21.332 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW023144.D

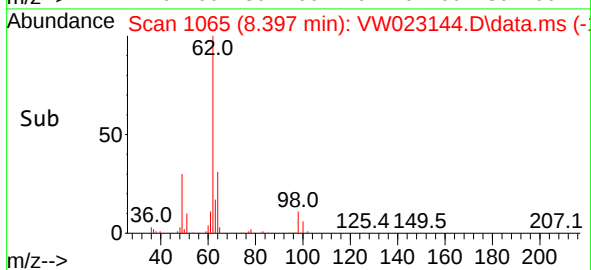
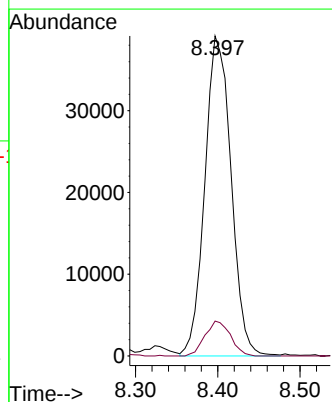
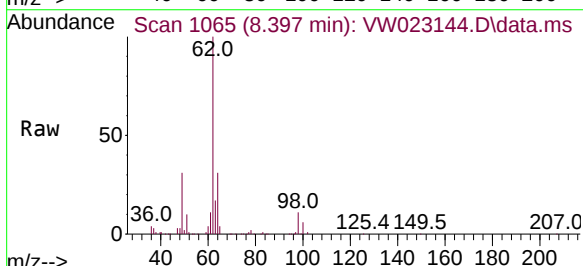
Acq: 18 May 2022 21:16

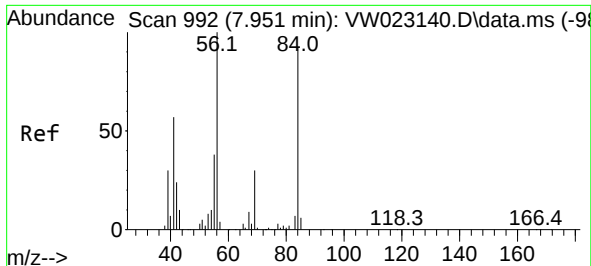
Tgt Ion: 62 Resp: 86873

Ion Ratio Lower Upper

62 100

98 10.9 7.2 10.8#





#29

Cyclohexane

Concen: 18.401 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

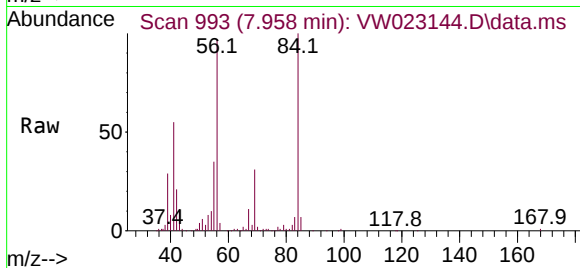
Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :



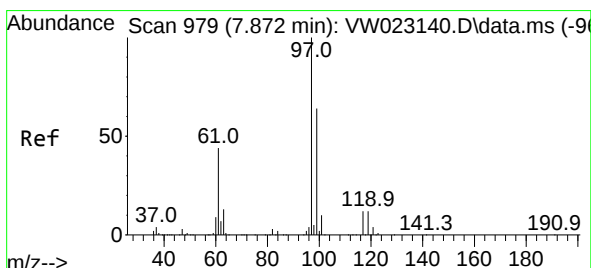
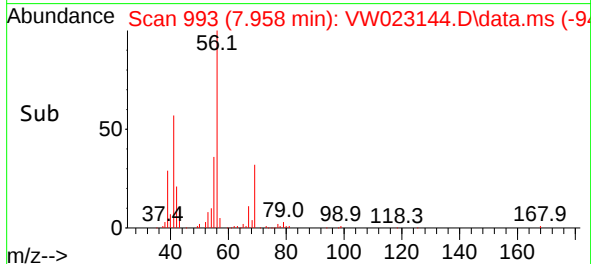
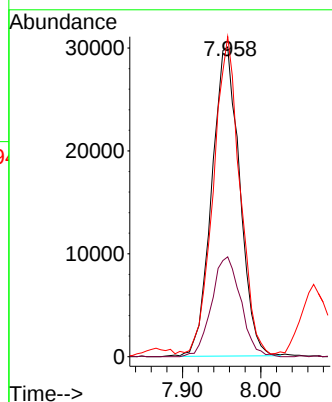
Tgt Ion: 56 Resp: 74386

Ion Ratio Lower Upper

56 100

69 33.6 25.6 38.4

84 99.3 78.2 117.4



#30

1,1,1-Trichloroethane

Concen: 24.148 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

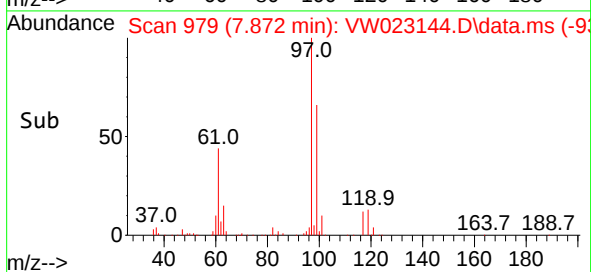
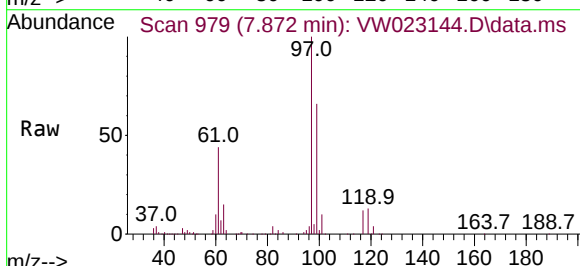
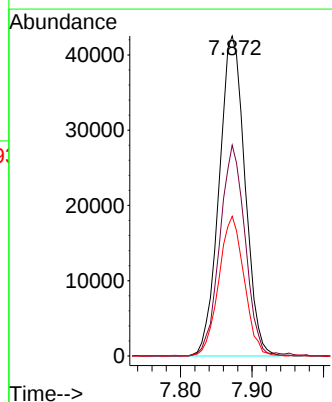
Tgt Ion: 97 Resp: 106666

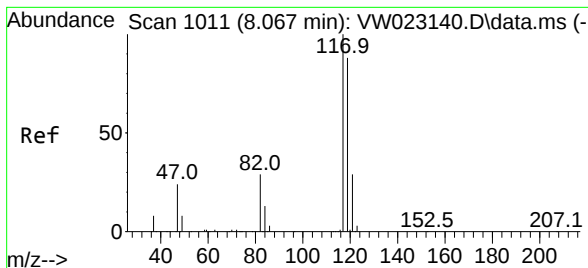
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 42.8 34.8 52.2

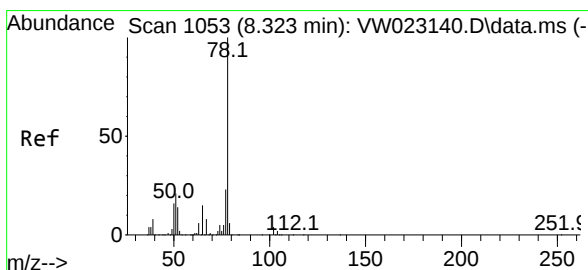
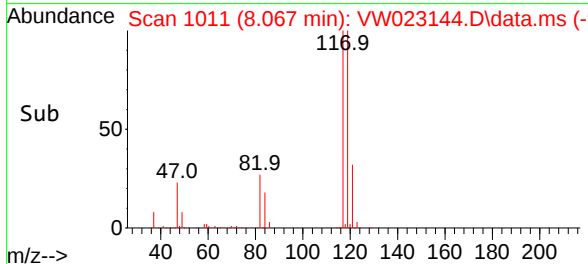
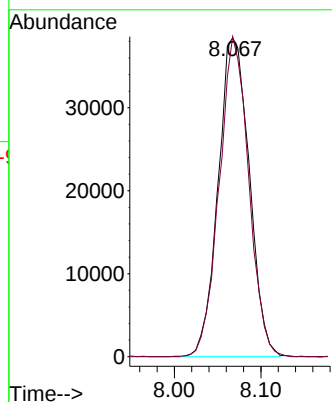
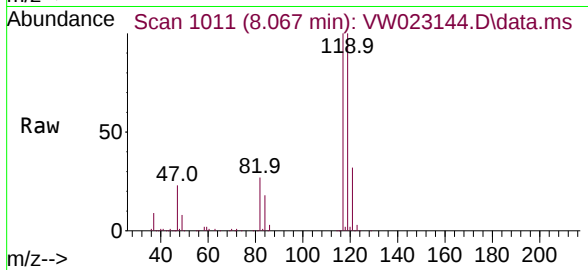




#31
Carbon tetrachloride
Concen: 23.202 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

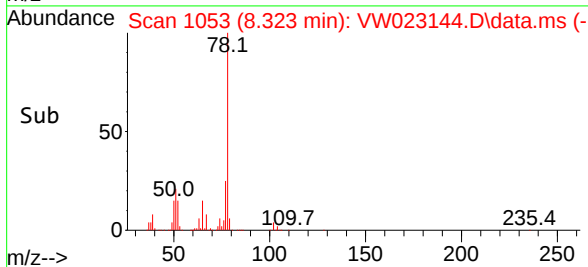
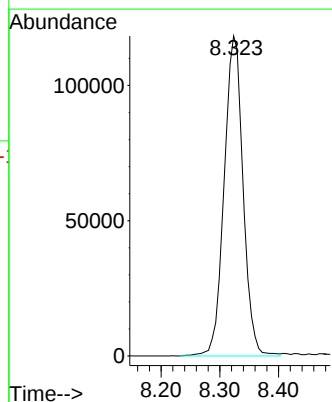
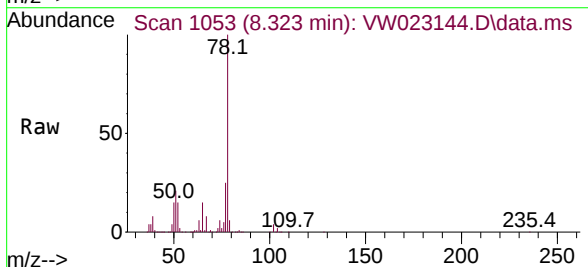
Instrument :
MSVOA_W
ClientSampleId :

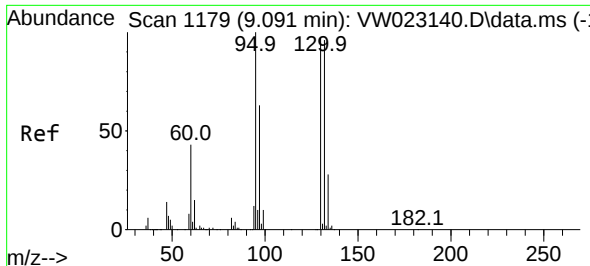
Tgt Ion:117 Resp: 95871
Ion Ratio Lower Upper
117 100
119 95.0 76.6 115.0



#33
Benzene
Concen: 24.079 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

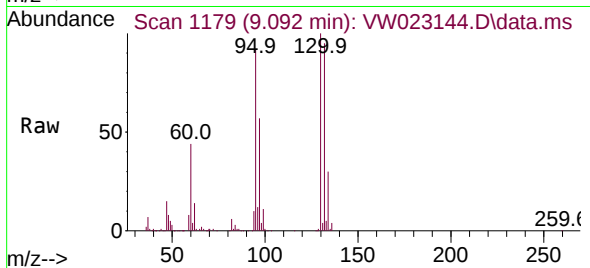
Tgt Ion: 78 Resp: 265144



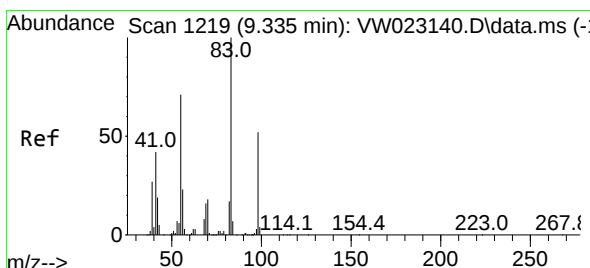
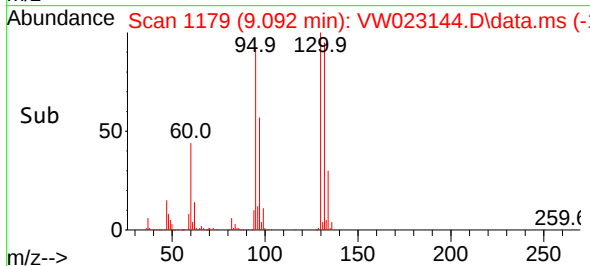
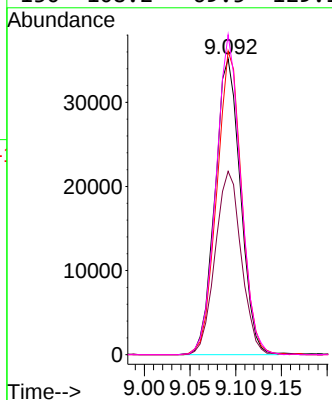


#34
Trichloroethene
Concen: 22.570 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Instrument :
MSVOA_W
ClientSampleId :

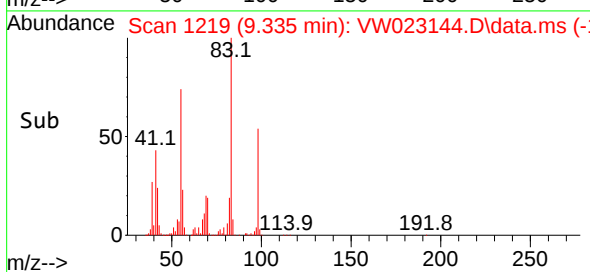
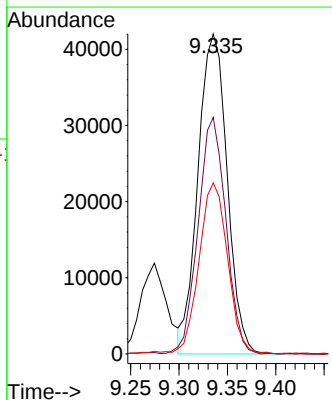
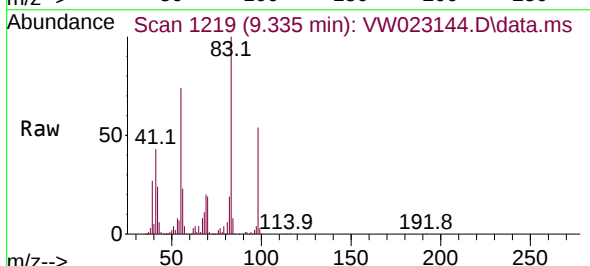


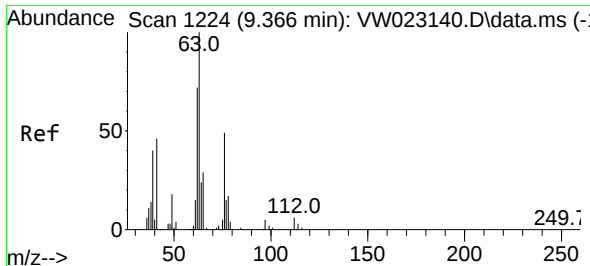
Tgt Ion:	95	Resp:	68350
Ion	Ratio	Lower	Upper
95	100		
97	62.0	46.1	85.7
132	102.7	66.9	124.3
130	108.2	69.5	129.1



#35
Methylcyclohexane
Concen: 17.726 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion:	83	Resp:	88185
Ion	Ratio	Lower	Upper
83	100		
55	70.3	55.1	82.7
98	52.1	40.4	60.6





#37

1,2-Dichloropropane

Concen: 25.432 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

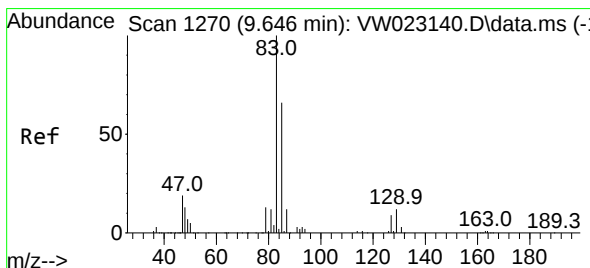
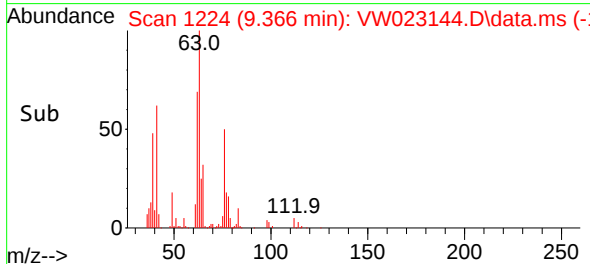
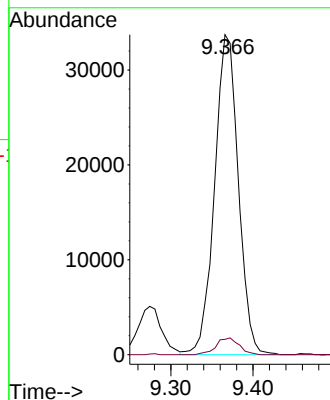
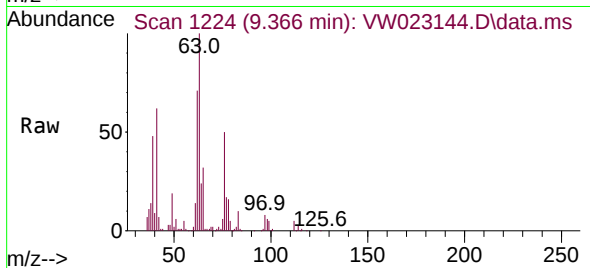
ClientSampleId :

Tgt Ion: 63 Resp: 67771

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 25.349 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

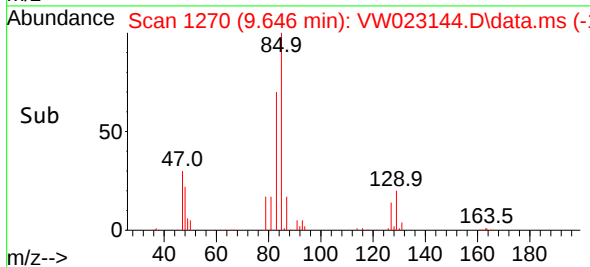
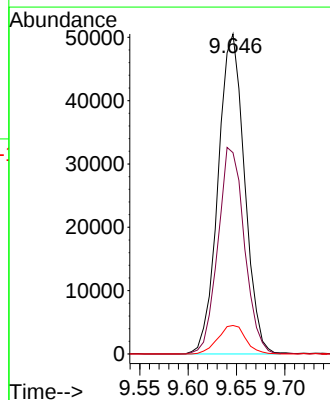
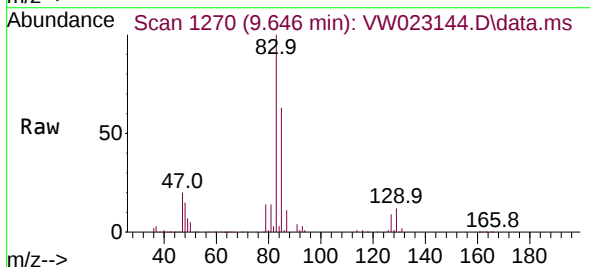
Tgt Ion: 83 Resp: 95944

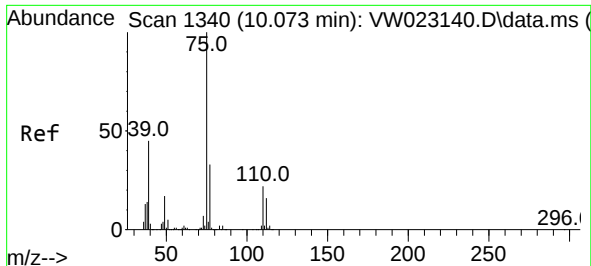
Ion Ratio Lower Upper

83 100

85 62.9 43.5 80.7

127 8.9 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 23.569 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

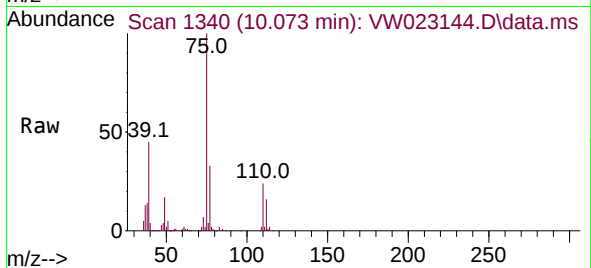
Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

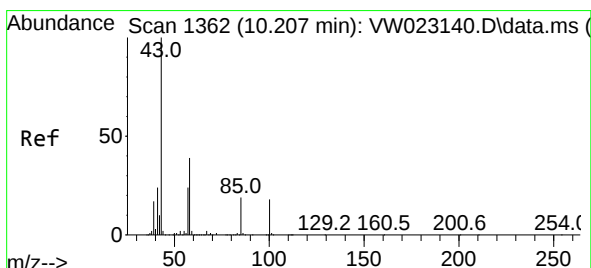
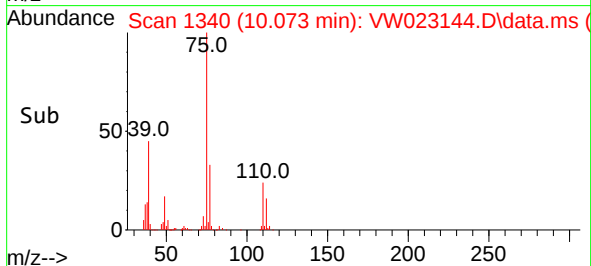
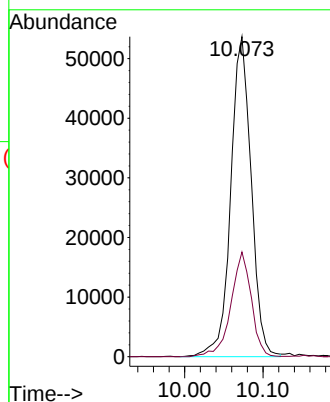


Tgt Ion: 75 Resp: 97385

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 50.707 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

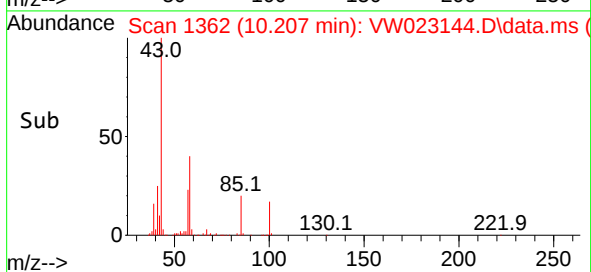
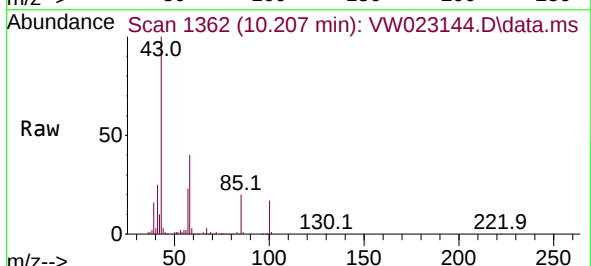
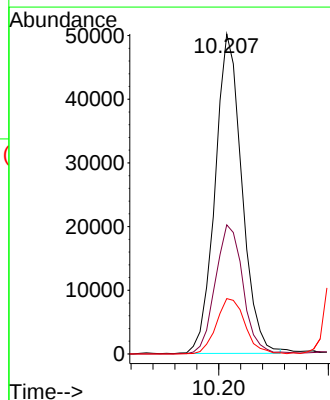
Tgt Ion: 43 Resp: 85167

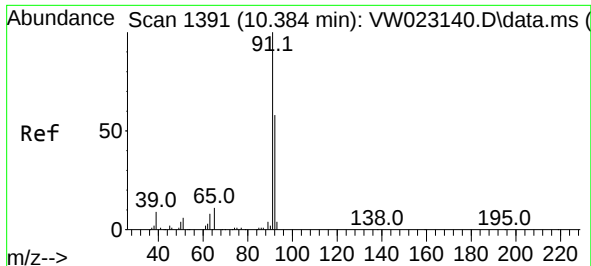
Ion Ratio Lower Upper

43 100

58 41.6 31.4 47.2

100 18.6 14.2 21.4

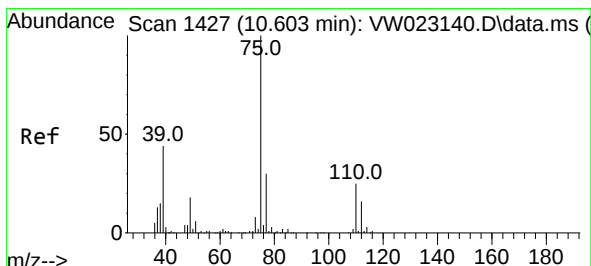
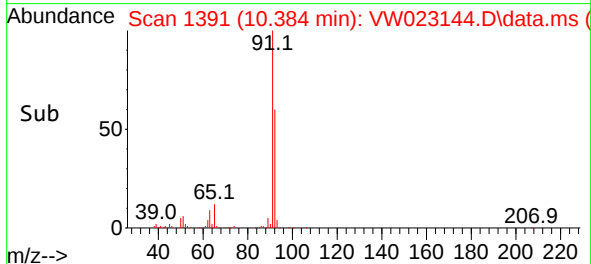
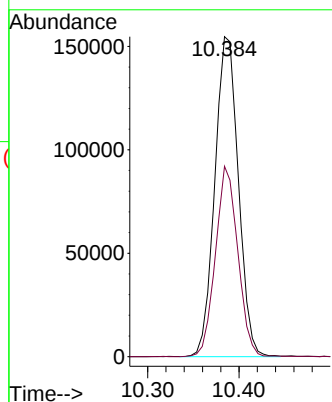
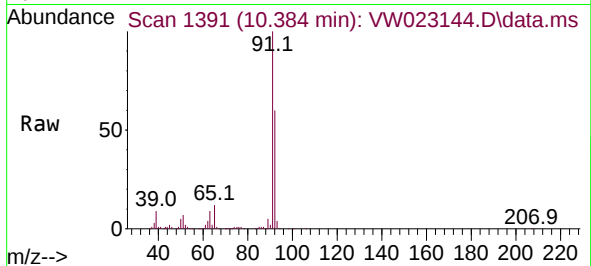




#42
Toluene
Concen: 22.480 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

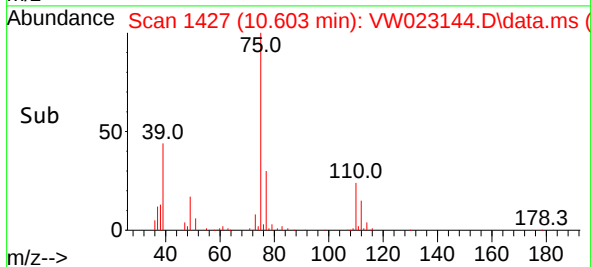
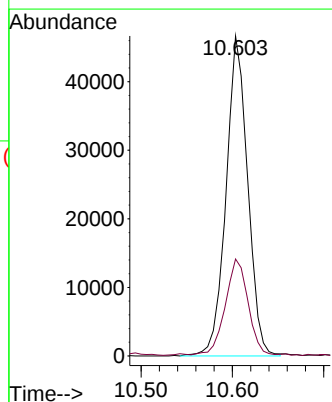
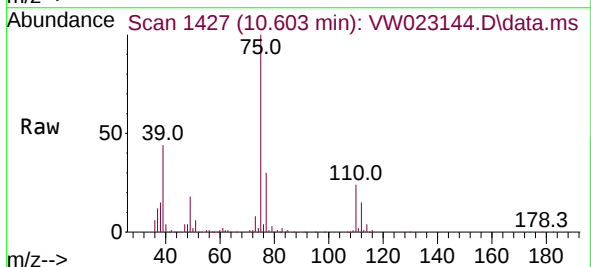
Instrument :
MSVOA_W
ClientSampleId :

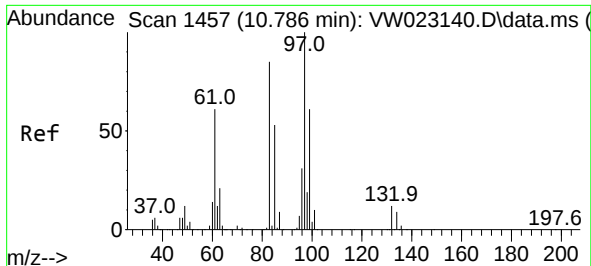
Tgt Ion: 91 Resp: 277412
Ion Ratio Lower Upper
91 100
92 59.5 41.6 77.2



#44
trans-1,3-Dichloropropene
Concen: 20.845 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 75 Resp: 76877
Ion Ratio Lower Upper
75 100
77 30.3 22.0 40.8

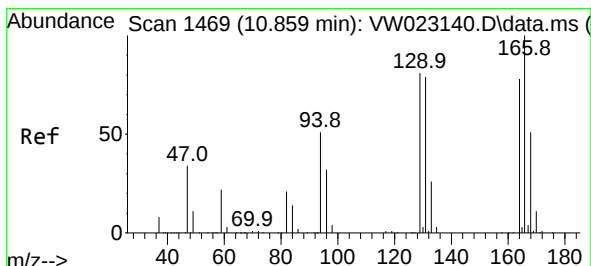
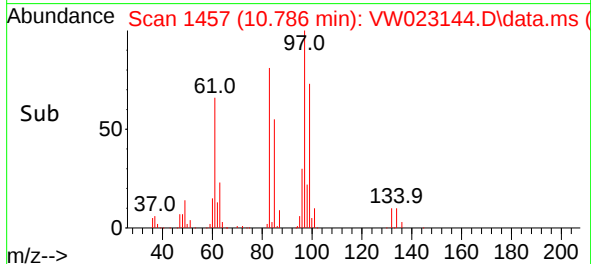
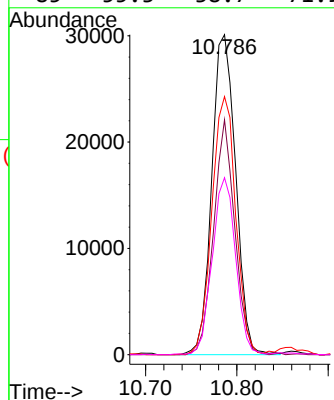
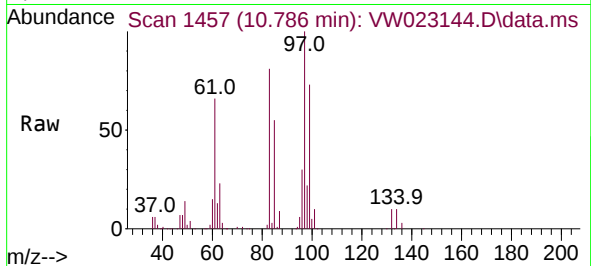




#45
1,1,2-Trichloroethane
Concen: 24.567 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

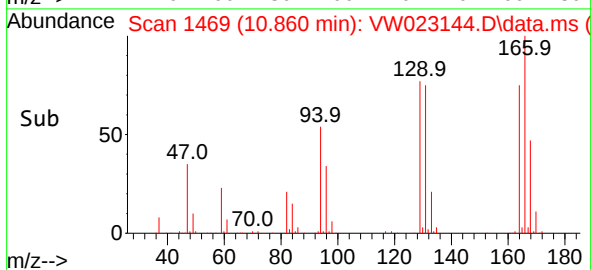
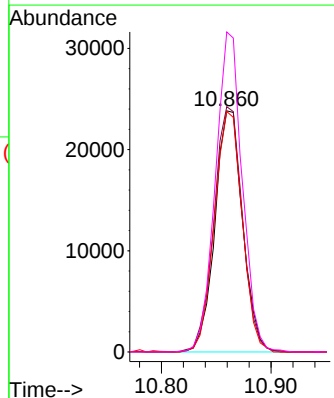
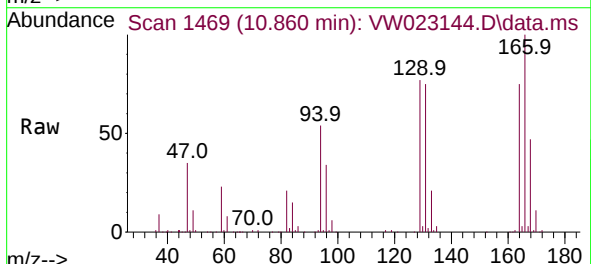
Instrument :
MSVOA_W
ClientSampleId :

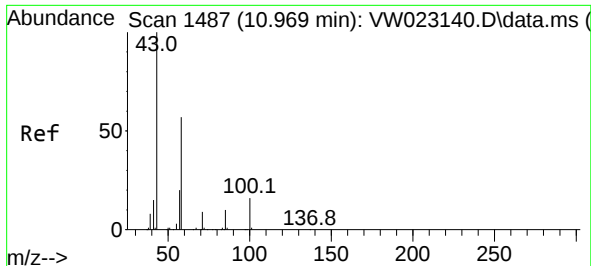
Tgt Ion: 97	Resp: 54726
Ion Ratio	Lower Upper
97 100	
99 73.4	44.7 82.9
83 80.6	58.4 108.4
85 55.3	38.7 71.9



#46
Tetrachloroethene
Concen: 18.399 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

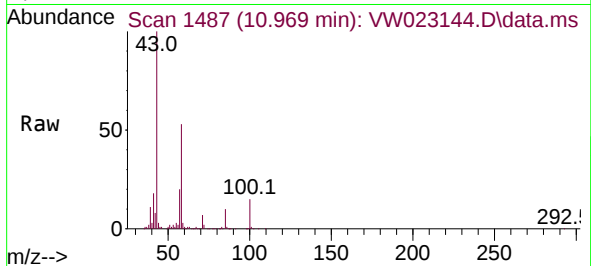
Tgt	Ion:164	Resp:	41873
Ion	Ratio	Lower	Upper
164	100		
129	101.7	76.9	142.7
131	99.7	75.1	139.5
166	132.7	96.0	178.2



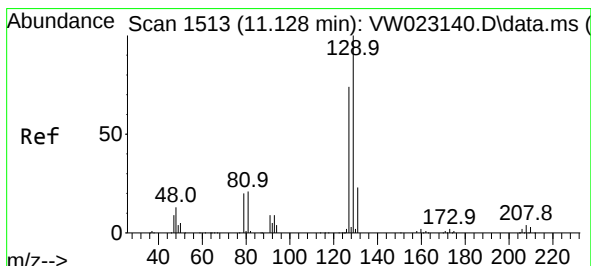
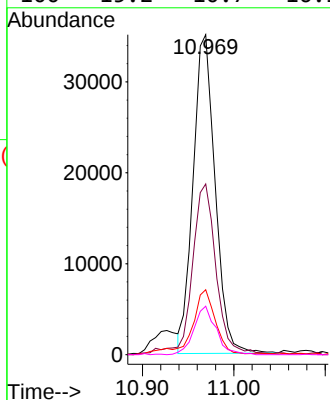
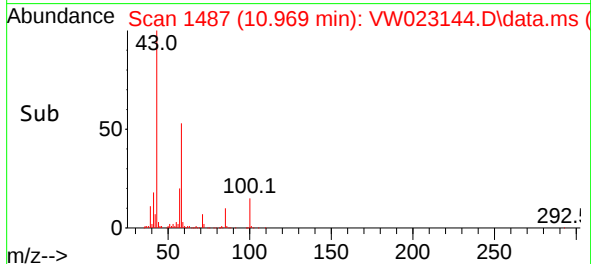


#48
2-Hexanone
Concen: 52.565 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Instrument :
MSVOA_W
ClientSampleId :

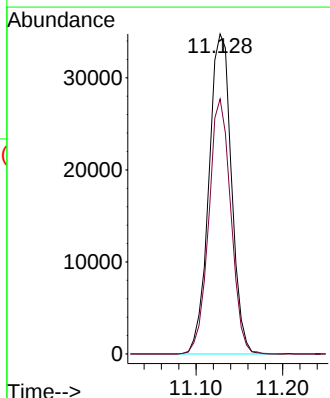
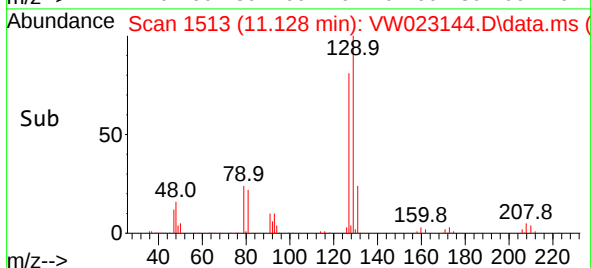
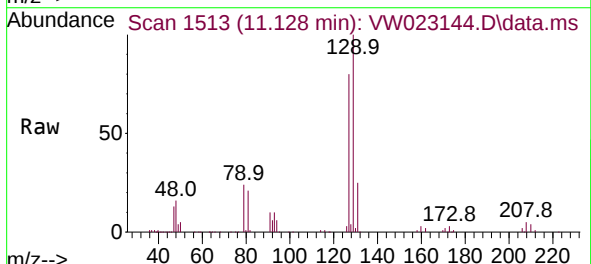


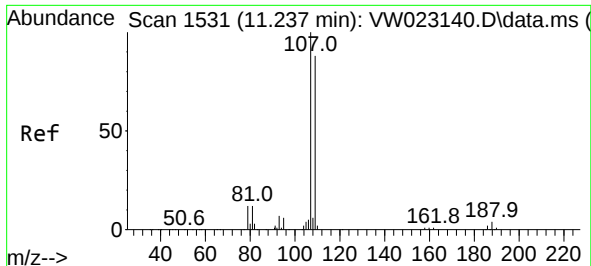
Tgt Ion: 43 Resp: 58990
Ion Ratio Lower Upper
43 100
58 54.8 45.9 68.9
57 20.1 16.2 24.2
100 15.2 10.7 16.1



#49
Dibromochloromethane
Concen: 23.427 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion: 129 Resp: 62809
Ion Ratio Lower Upper
129 100
127 79.7 53.8 100.0





#50

1,2-Dibromoethane

Concen: 22.612 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

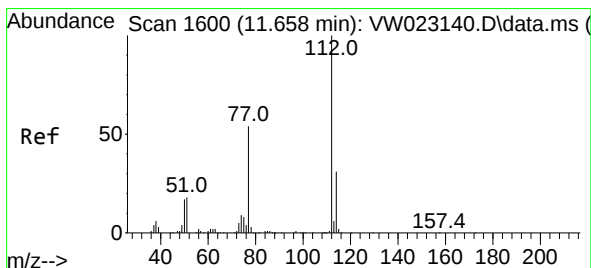
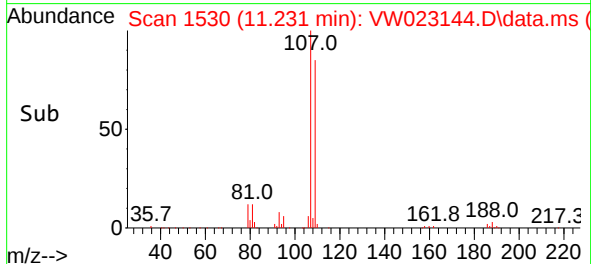
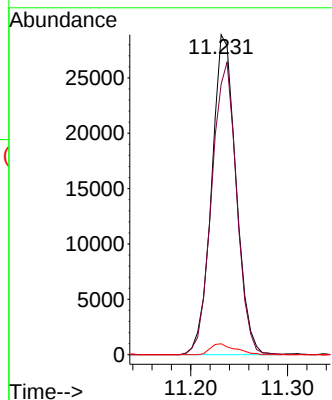
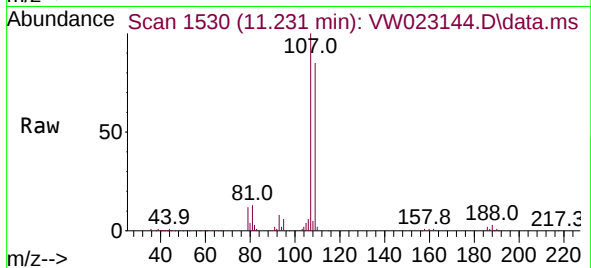
Tgt Ion:107 Resp: 50579

Ion Ratio Lower Upper

107 100

109 84.5 67.5 125.4

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 20.447 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

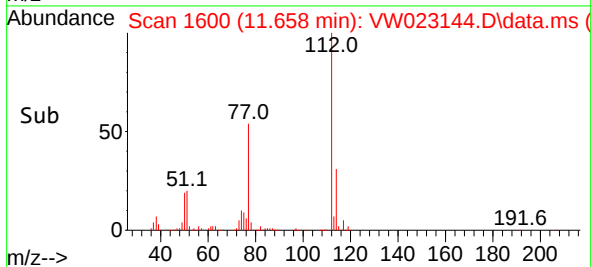
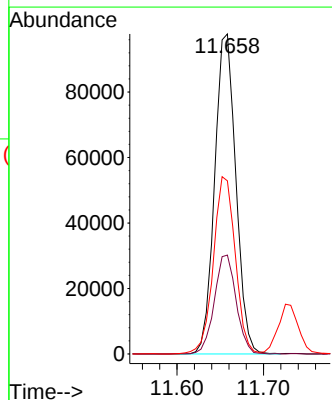
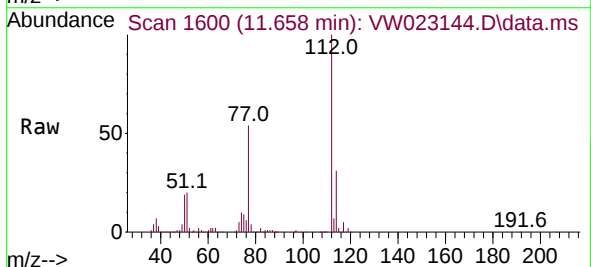
Tgt Ion:112 Resp: 166348

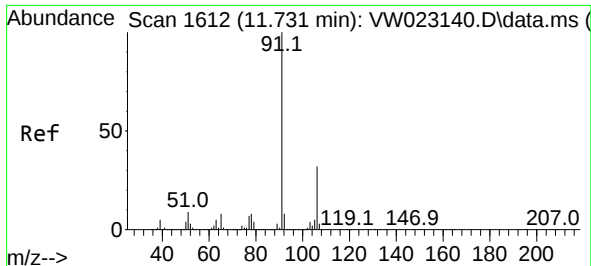
Ion Ratio Lower Upper

112 100

114 30.9 22.0 41.0

77 54.1 42.6 63.8

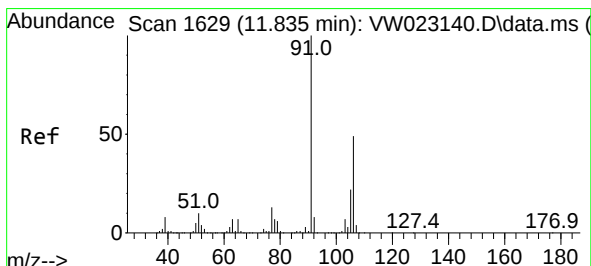
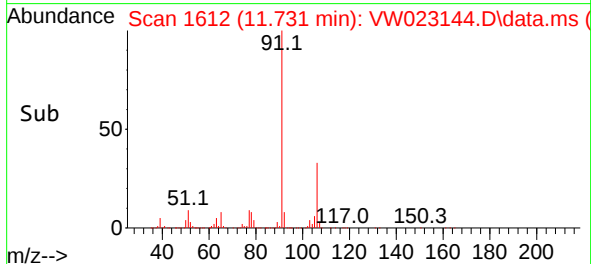
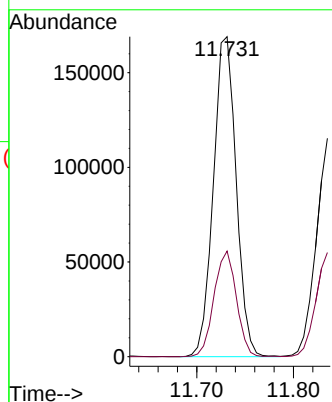
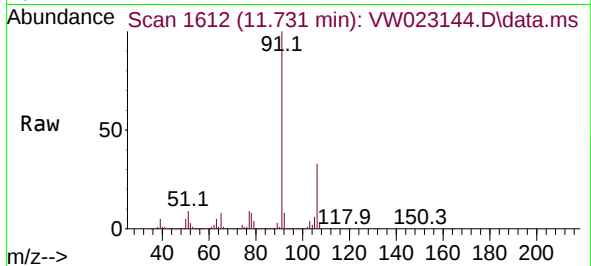




#52
Ethylbenzene
Concen: 20.141 ug/L
RT: 11.731 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

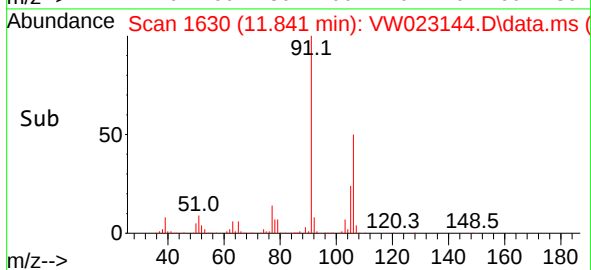
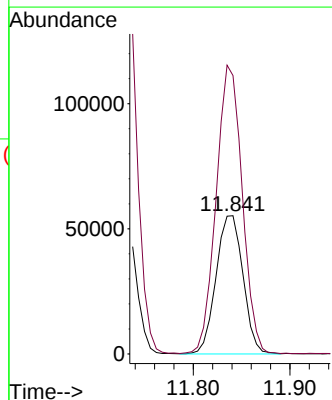
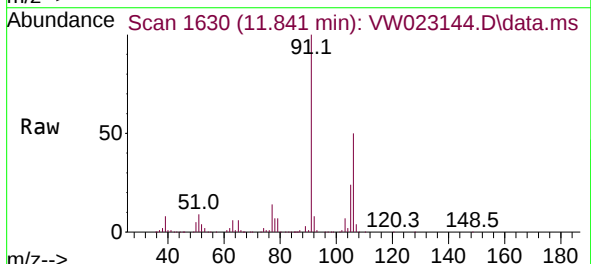
Instrument :
MSVOA_W
ClientSampleId :

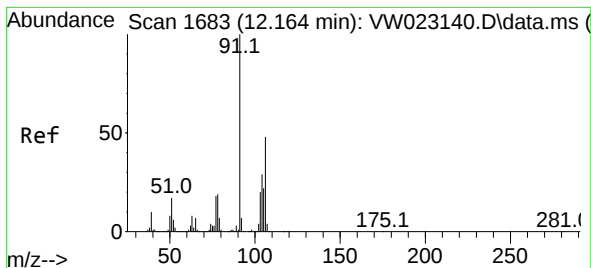
Tgt Ion: 91 Resp: 276523
Ion Ratio Lower Upper
91 100
106 33.0 22.3 41.3



#53
m,p-Xylene
Concen: 19.770 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion:106 Resp: 106946
Ion Ratio Lower Upper
106 100
91 201.3 136.8 254.0





#54

o-Xylene

Concen: 20.662 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

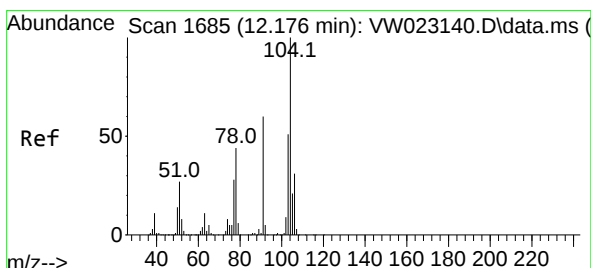
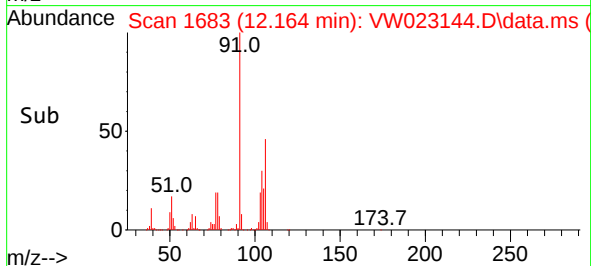
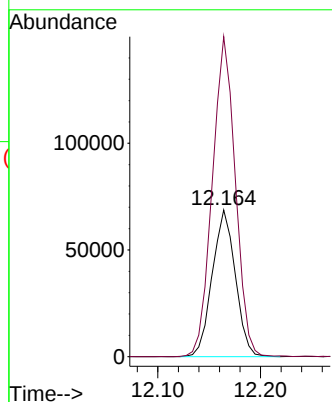
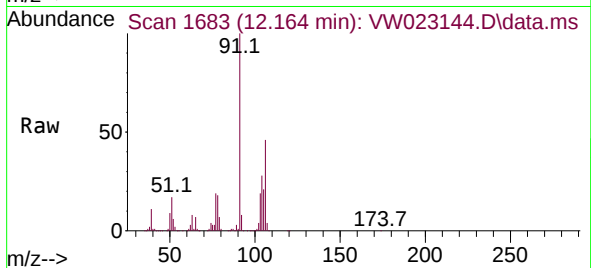
ClientSampleId :

Tgt Ion:106 Resp: 107258

Ion Ratio Lower Upper

106 100

91 218.2 147.2 273.4



#55

Styrene

Concen: 20.751 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW023144.D

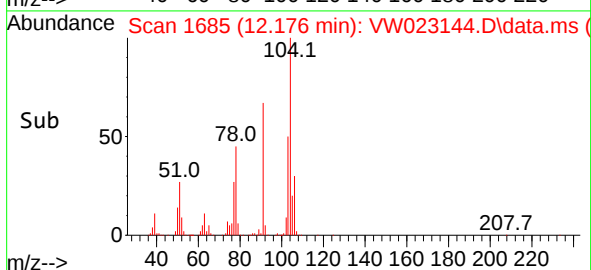
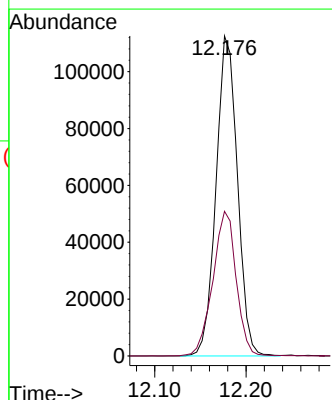
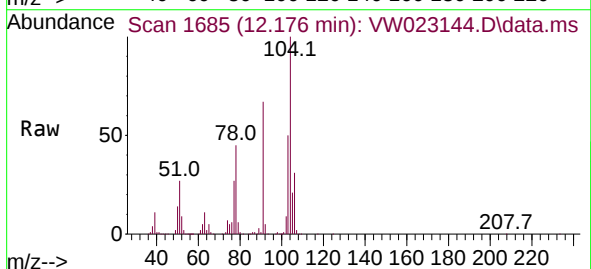
Acq: 18 May 2022 21:16

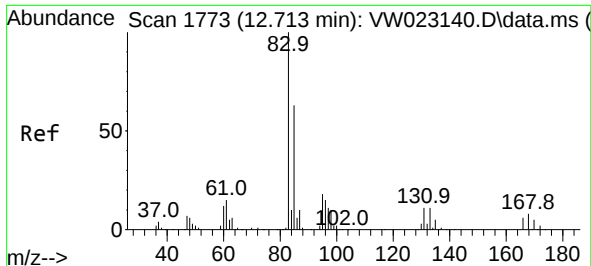
Tgt Ion:104 Resp: 183045

Ion Ratio Lower Upper

104 100

78 45.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 23.029 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

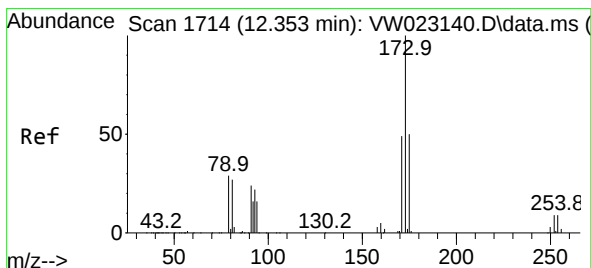
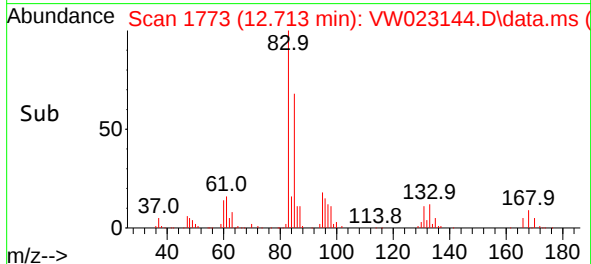
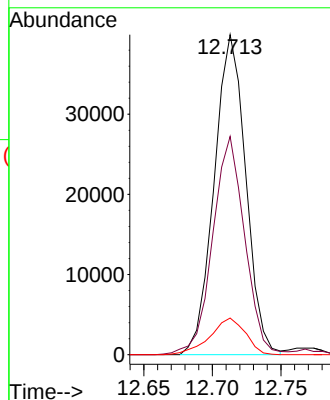
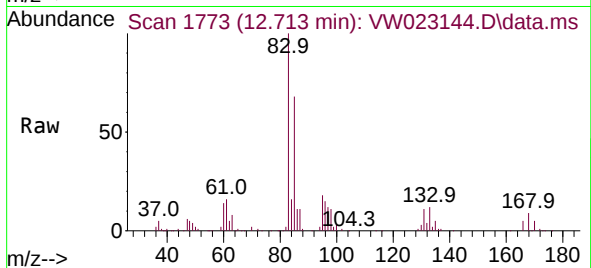
Tgt Ion: 83 Resp: 64076

Ion Ratio Lower Upper

83 100

85 68.2 47.5 88.1

131 11.4 8.7 13.1



#59

Bromoform

Concen: 25.533 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

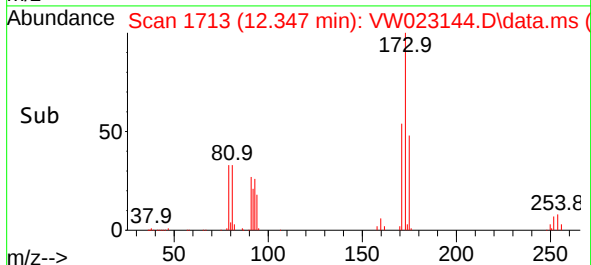
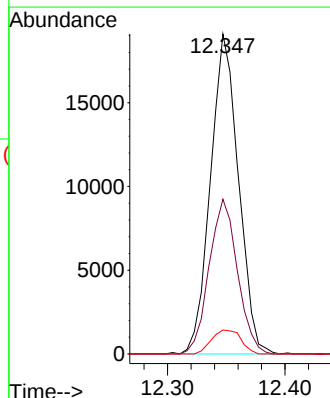
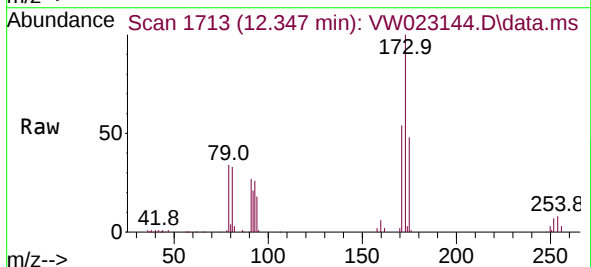
Tgt Ion:173 Resp: 31599

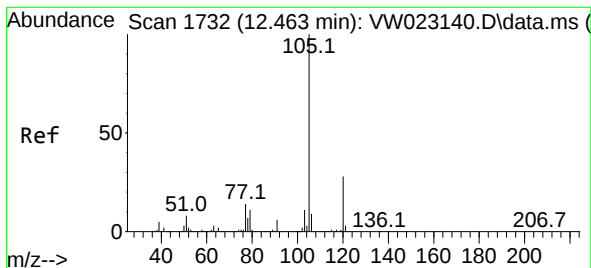
Ion Ratio Lower Upper

173 100

175 48.9 38.1 57.1

254 7.9 6.5 9.7





#60

Isopropylbenzene

Concen: 23.739 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

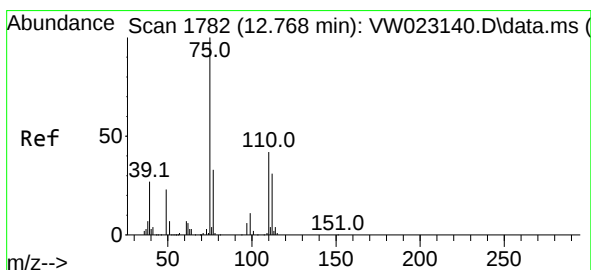
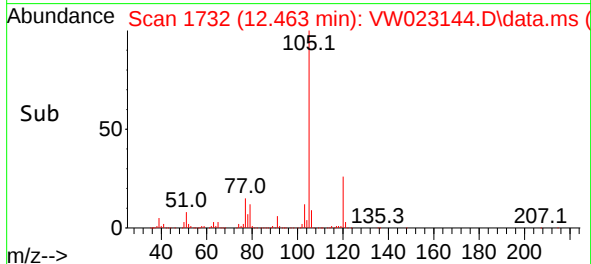
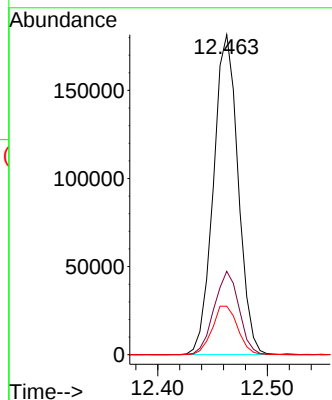
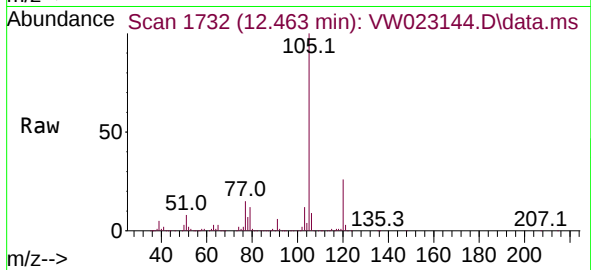
Tgt Ion:105 Resp: 284006

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

77 15.7 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 28.067 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

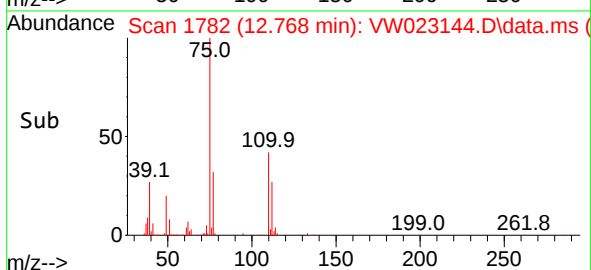
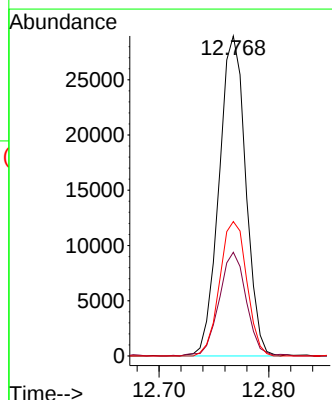
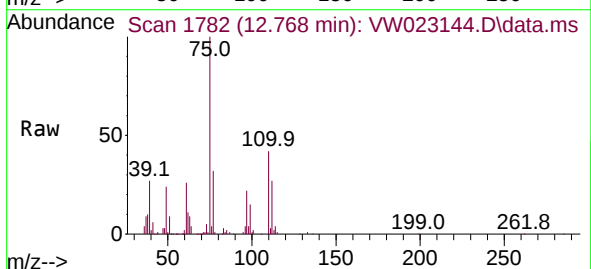
Tgt Ion: 75 Resp: 48974

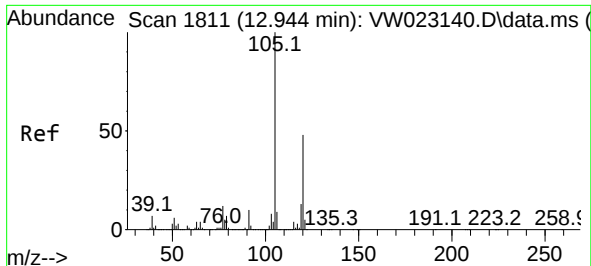
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

110 42.6 34.1 51.1





#62

1,3,5-Trimethylbenzene

Concen: 22.444 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

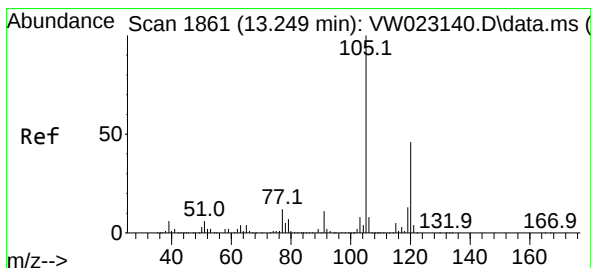
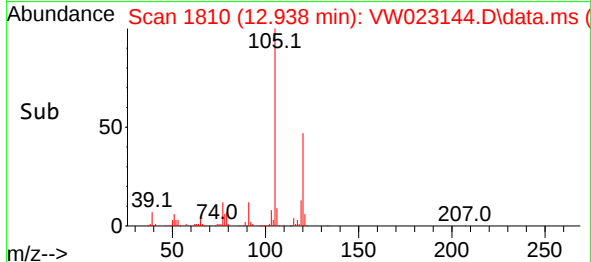
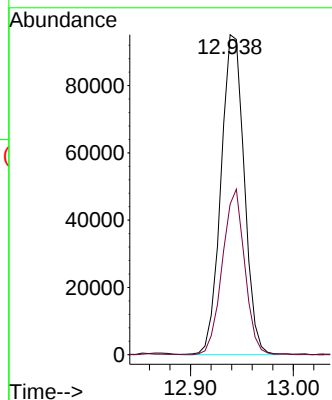
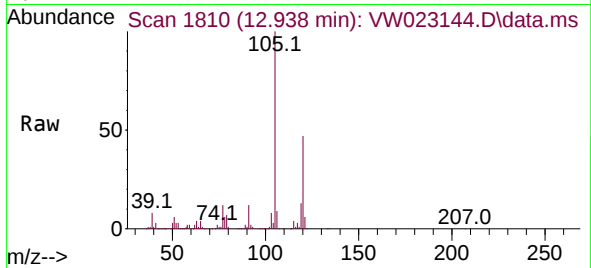
ClientSampleId :

Tgt Ion:105 Resp: 149384

Ion Ratio Lower Upper

105 100

120 49.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 23.367 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023144.D

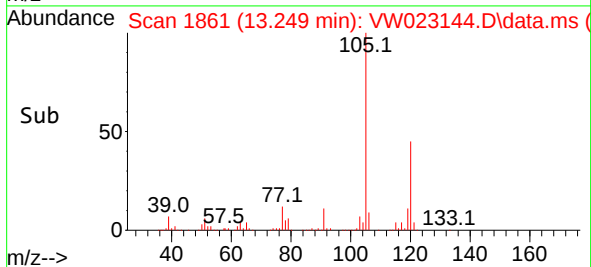
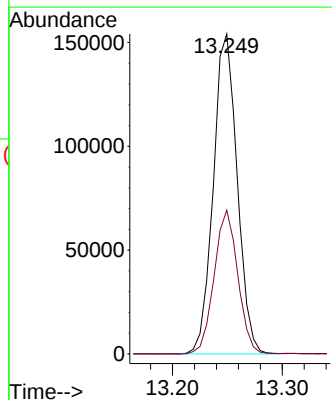
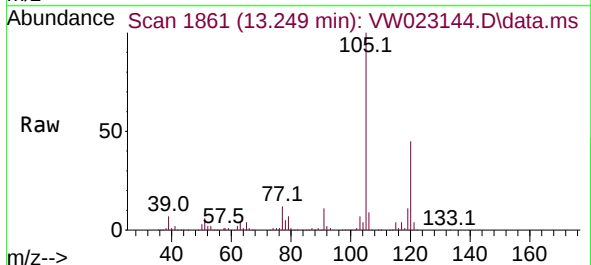
Acq: 18 May 2022 21:16

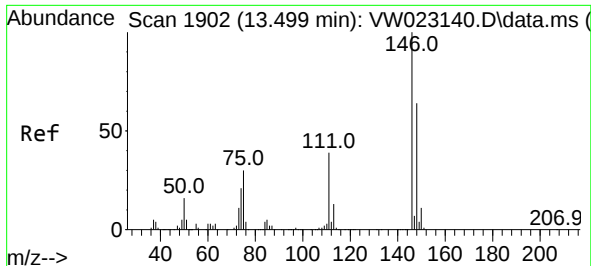
Tgt Ion:105 Resp: 233524

Ion Ratio Lower Upper

105 100

120 44.5 37.4 56.2

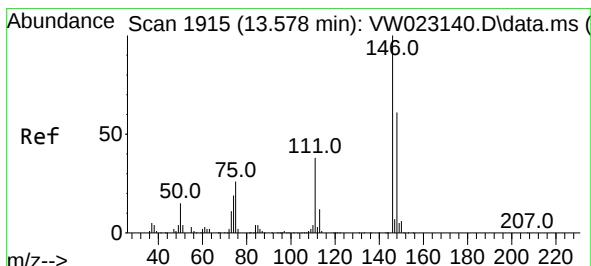
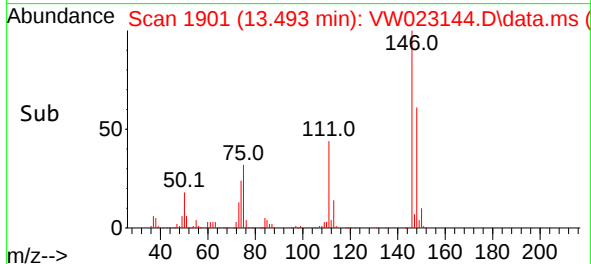
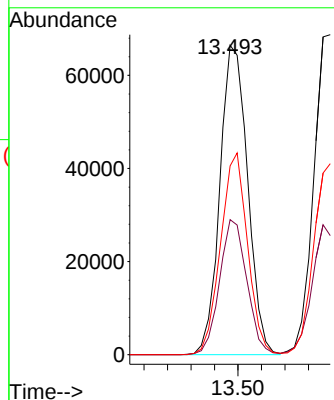
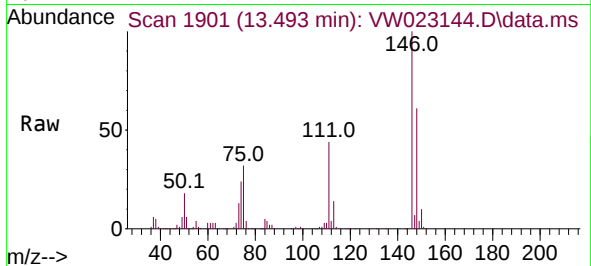




#64
1,3-Dichlorobenzene
Concen: 20.405 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

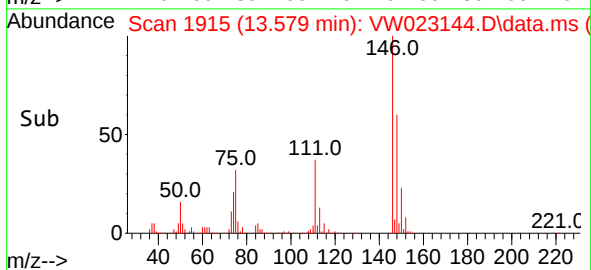
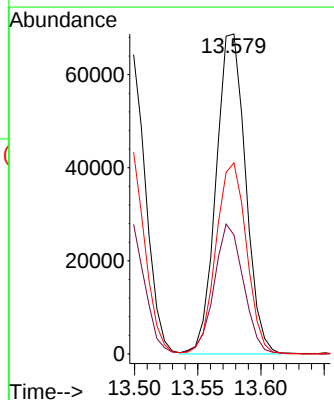
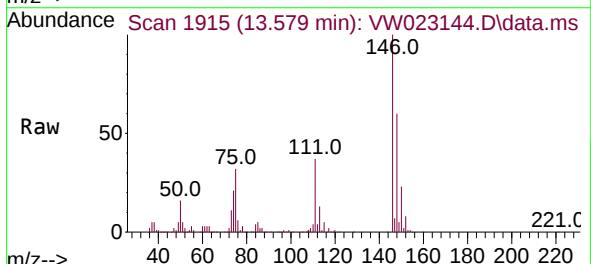
Instrument :
MSVOA_W
ClientSampleId :

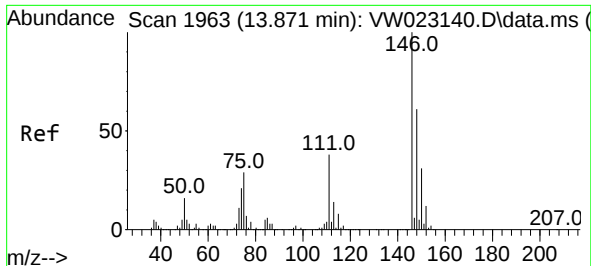
Tgt Ion:146 Resp: 108990
Ion Ratio Lower Upper
146 100
111 43.7 29.5 54.9
148 61.0 48.6 90.2



#65
1,4-Dichlorobenzene
Concen: 20.255 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion:146 Resp: 111748
Ion Ratio Lower Upper
146 100
111 37.2 27.2 50.4
148 59.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 21.902 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

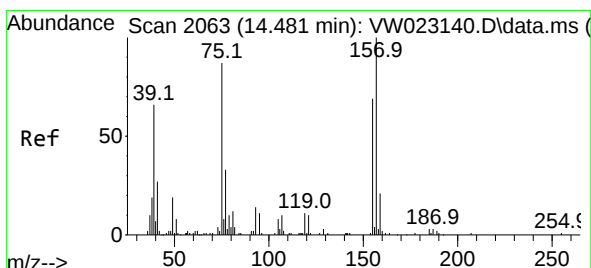
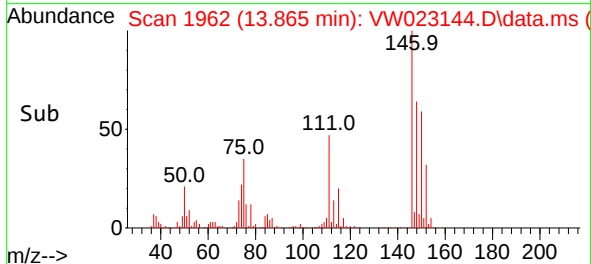
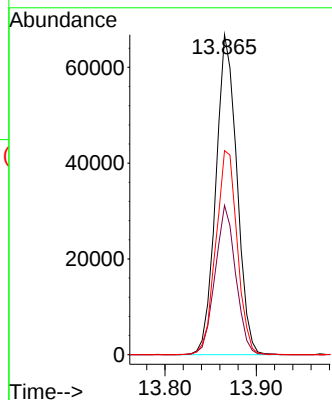
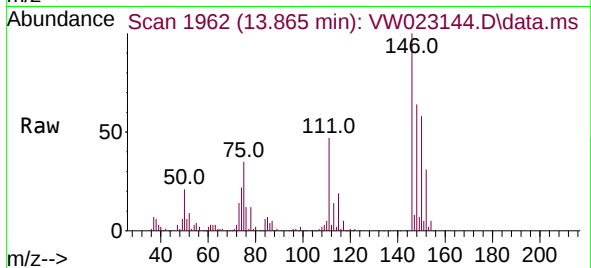
Tgt Ion:146 Resp: 107051

Ion Ratio Lower Upper

146 100

111 46.7 35.7 53.5

148 63.7 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.447 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

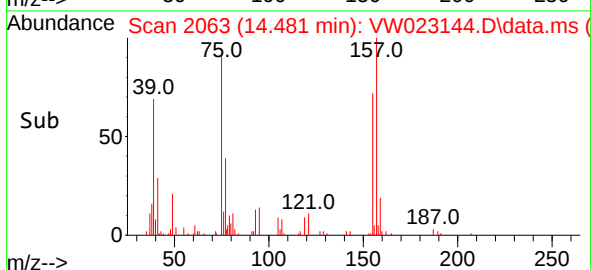
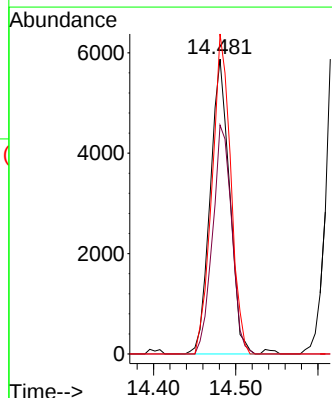
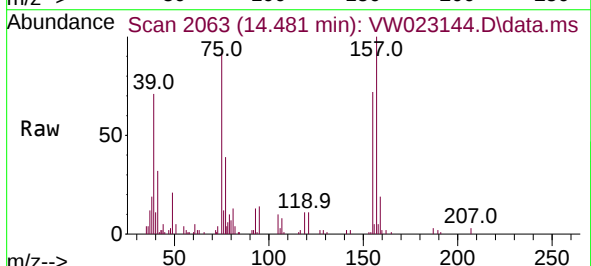
Tgt Ion: 75 Resp: 9704

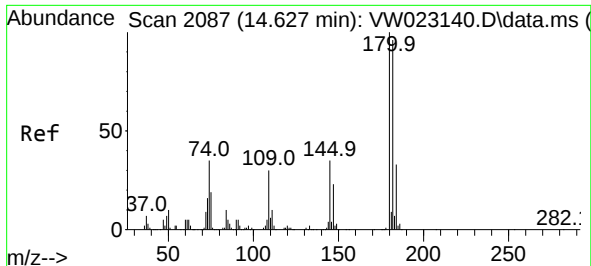
Ion Ratio Lower Upper

75 100

155 77.6 59.3 88.9

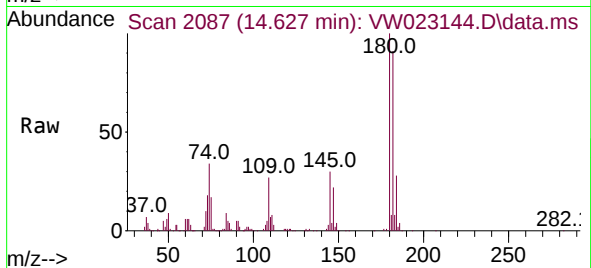
157 108.5 89.8 134.8



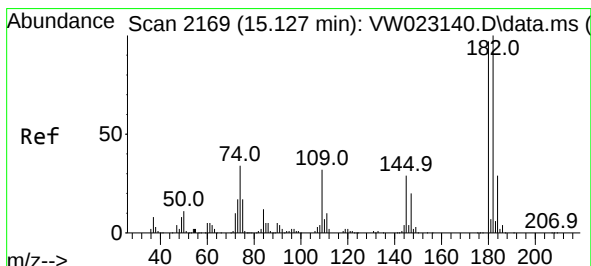
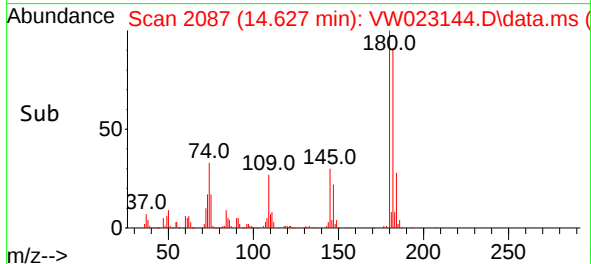
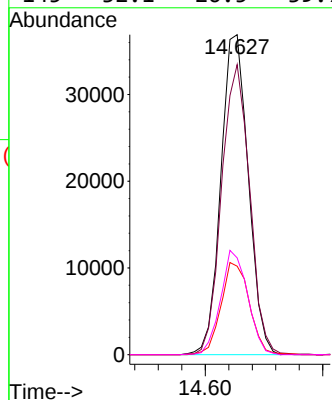


#69
1,3,5-Trichlorobenzene
Concen: 16.904 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Instrument :
MSVOA_W
ClientSampleId :

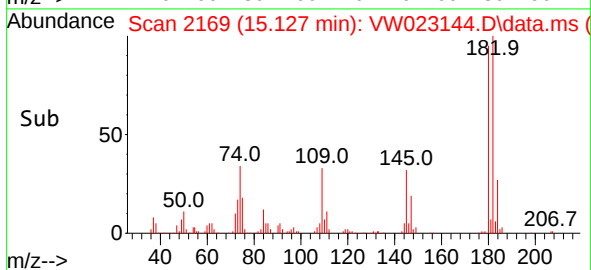
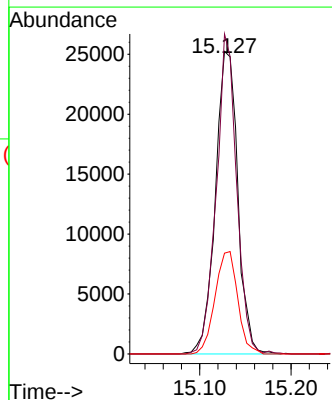
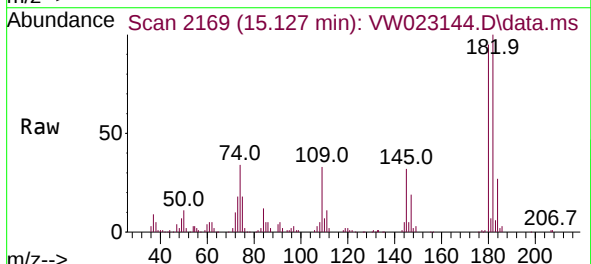


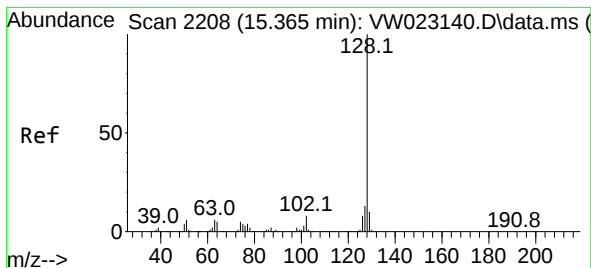
Tgt Ion:	180	Resp:	59935
Ion Ratio	Lower	Upper	
180	100		
182	92.3	74.8	112.2
184	29.7	23.4	35.2
145	32.1	26.5	39.7



#70
1,2,4-trichlorobenzene
Concen: 15.074 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW023144.D
Acq: 18 May 2022 21:16

Tgt Ion:	180	Resp:	42992
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.9	112.3
145	34.2	26.6	39.8





#71

Naphthalene

Concen: 18.849 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW023144.D

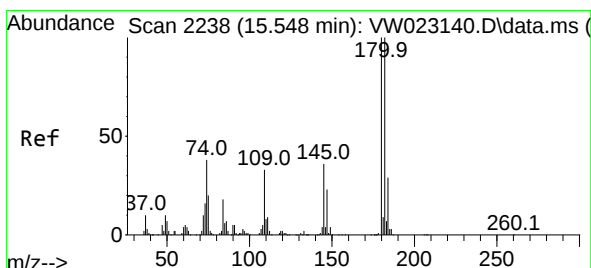
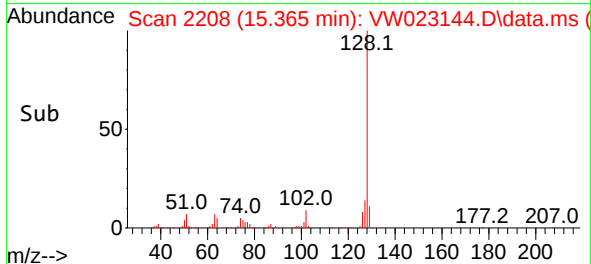
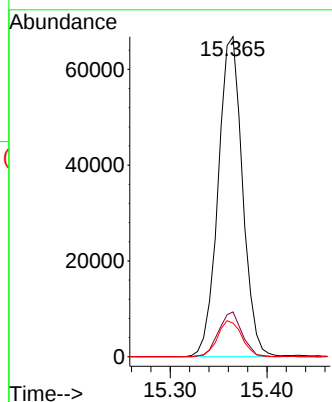
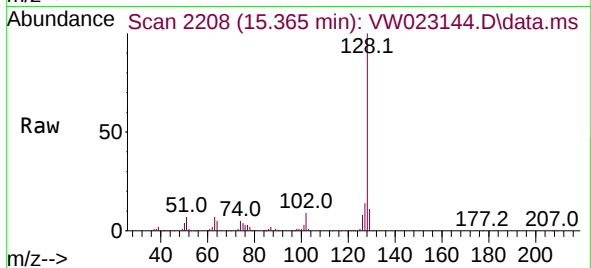
Acq: 18 May 2022 21:16

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	128	Resp:	116845
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.2	8.7	13.1



#72

1,2,3-Trichlorobenzene

Concen: 15.093 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023144.D

Acq: 18 May 2022 21:16

Tgt Ion:	180	Resp:	38151
Ion Ratio	Lower	Upper	
180	100		
182	95.3	73.5	110.3
145	34.9	27.9	41.9

