

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031622\
 Data File : VW022358.D
 Acq On : 16 Mar 2022 16:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025588

Quant Time: Mar 17 00:20:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 17 00:17:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	127828	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	122894	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	72250	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	37074	22.236	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.960%
7) Chloroethane-d5	2.885	69	28144	21.454	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	4.019	63	54707	21.427	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.720%
21) 2-Butanone-d5	7.080	46	16702	59.580	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.160%
24) Chloroform-d	7.653	84	76288	26.749	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	8.305	65	37852	25.532	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.120%
32) Benzene-d6	8.275	84	134335	23.487	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.960%
36) 1,2-Dichloropropane-d6	9.274	67	39811	25.064	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.240%
41) Toluene-d8	10.323	98	131090	23.054	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	10.579	79	17276	24.531	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.120%
47) 2-Hexanone-d5	10.921	63	13815	52.882	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.760%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	40526	29.072	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.280%
66) 1,2-Dichlorobenzene-d4	13.847	152	58640	25.269	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	5676	15.888	ug/L	98
3) Chloromethane	2.215	50	29602	24.181	ug/L	97
5) Vinyl chloride	2.361	62	44136	23.995	ug/L	99
6) Bromomethane	2.776	94	25734	20.033	ug/L	95
8) Chloroethane	2.922	64	23349	22.597	ug/L	98
9) Trichlorofluoromethane	3.263	101	45157	36.161	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	37133	24.372	ug/L	96
12) 1,1-Dichloroethene	4.038	96	30266	22.921	ug/L	95
13) Acetone	4.129	43	14175	61.911	ug/L	99
14) Carbon disulfide	4.379	76	55323	16.160	ug/L	99
15) Methyl Acetate	4.672	43	13603	26.391	ug/L	94
16) Methylene chloride	4.915	84	38719	24.677	ug/L	93
17) trans-1,2-Dichloroethene	5.422	96	33973	23.424	ug/L	96
18) Methyl tert-butyl Ether	5.428	73	53215	26.969	ug/L	99
19) 1,1-Dichloroethane	6.214	63	64270	27.372	ug/L	95
20) cis-1,2-Dichloroethene	7.171	96	40825	25.985	ug/L	98
22) 2-Butanone	7.177	43	20554	62.494	ug/L	97
23) Bromochloromethane	7.513	128	19921	25.956	ug/L	86
25) Chloroform	7.677	83	76273	27.840	ug/L	99

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 Response via : Initial Calibration

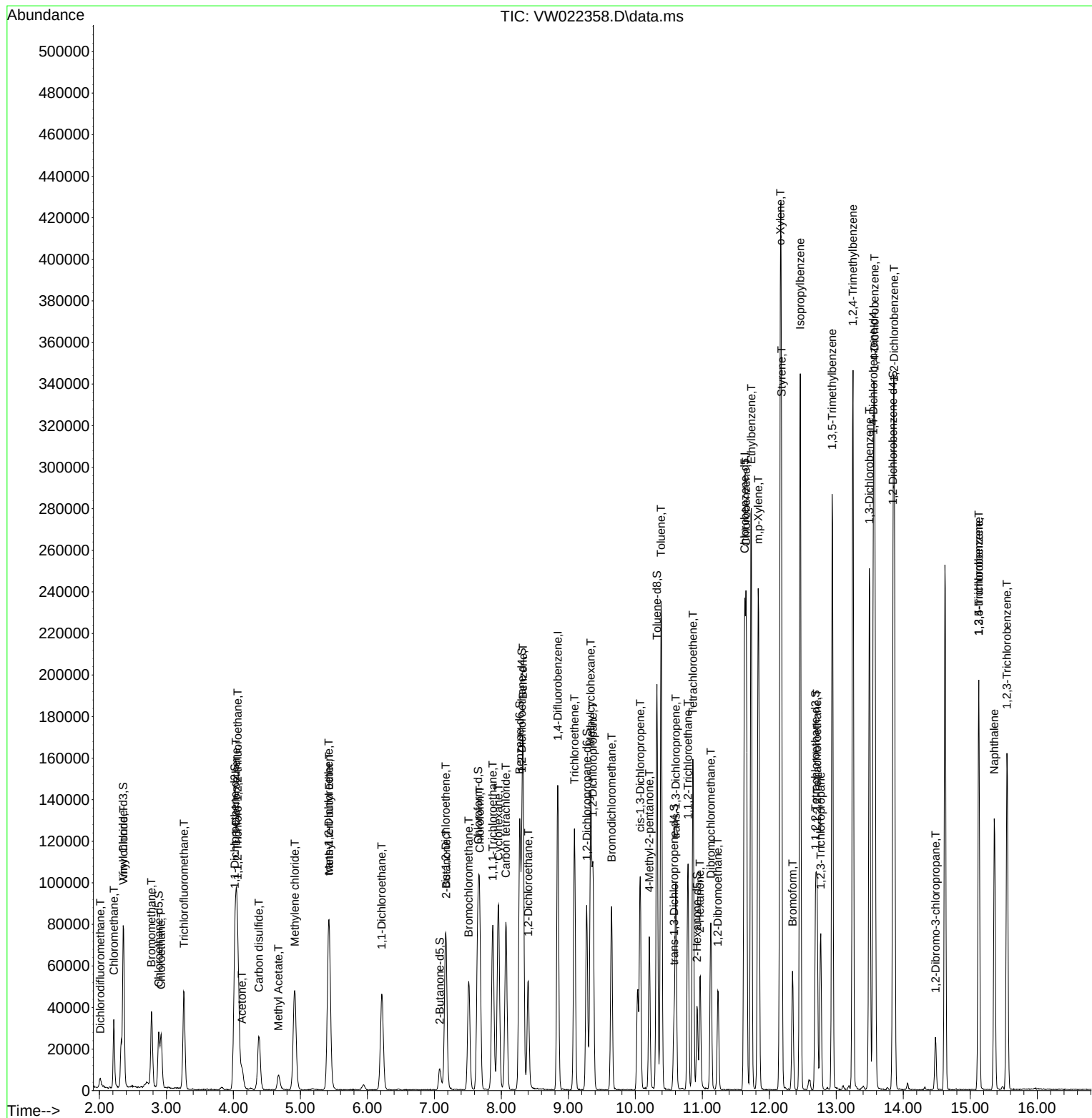
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	46369	27.479	ug/L	100
29) Cyclohexane	7.958	56	44552	21.784	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	64992	26.286	ug/L	99
31) Carbon tetrachloride	8.067	117	61897	26.341	ug/L	97
33) Benzene	8.323	78	149723	25.199	ug/L	100
34) Trichloroethene	9.092	95	41476	24.380	ug/L	95
35) Methylcyclohexane	9.335	83	57771	21.955	ug/L	99
37) 1,2-Dichloropropane	9.366	63	37944	27.374	ug/L	99
38) Bromodichloromethane	9.646	83	56756	28.552	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	59626	28.299	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	42652	56.979	ug/L	99
42) Toluene	10.384	91	173017	25.728	ug/L	97
44) trans-1,3-Dichloropropene	10.604	75	52963	27.972	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	33747	27.455	ug/L	95
46) Tetrachloroethene	10.860	164	34795	23.348	ug/L	89
48) 2-Hexanone	10.963	43	32931	63.384	ug/L	98
49) Dibromochloromethane	11.128	129	42872	28.715	ug/L	95
50) 1,2-Dibromoethane	11.231	107	30931	26.090	ug/L	91
51) Chlorobenzene	11.652	112	125130	26.737	ug/L	98
52) Ethylbenzene	11.731	91	198587	26.683	ug/L	99
53) m,p-Xylene	11.835	106	82549	26.955	ug/L	93
54) o-Xylene	12.164	106	78395	27.206	ug/L	90
55) Styrene	12.182	104	140162	29.015	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	41973	29.431	ug/L	100
59) Bromoform	12.347	173	25263	26.441	ug/L	100
60) Isopropylbenzene	12.463	105	221207	25.505	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	29400	25.782	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	152169	26.385	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	185497	26.318	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	106851	24.835	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	110951	25.734	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	101321	26.488	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	6009	24.927	ug/L #	83
69) 1,3,5-Trichlorobenzene	15.127	180	62227	20.151	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	62227	26.632	ug/L	97
71) Naphthalene	15.359	128	113297	27.468	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	53902	26.671	ug/L	99

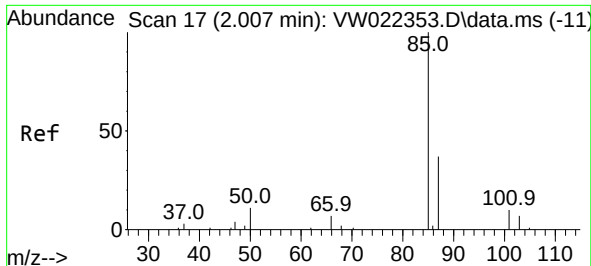
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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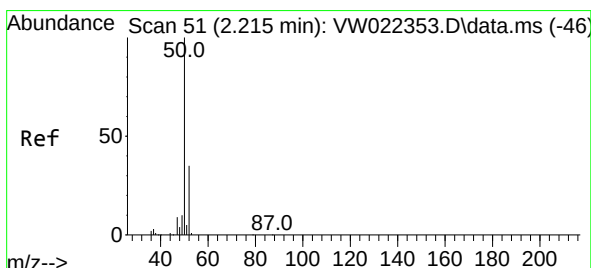
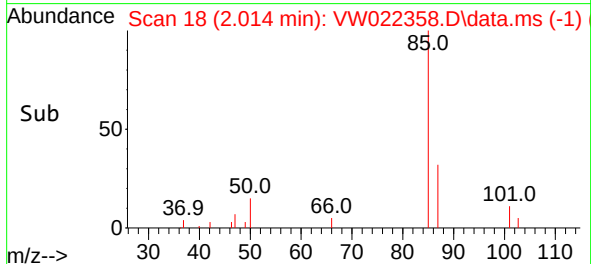
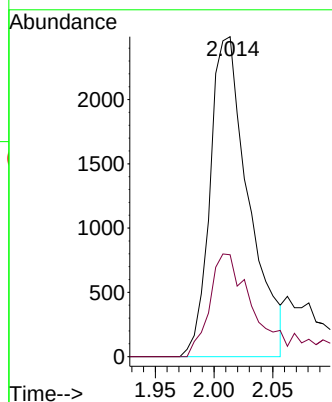
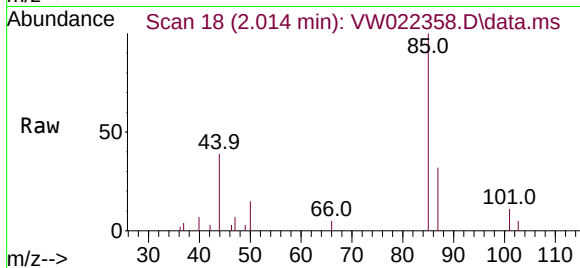




#2
Dichlorodifluoromethane
Concen: 15.888 ug/L
RT: 2.014 min Scan# 18
Delta R.T. 0.006 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

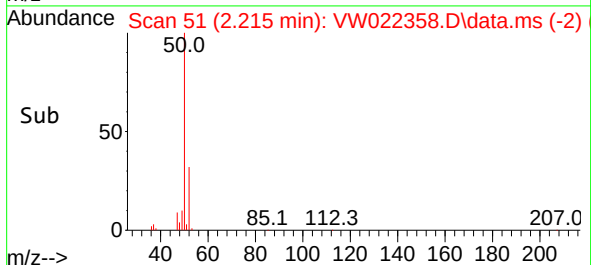
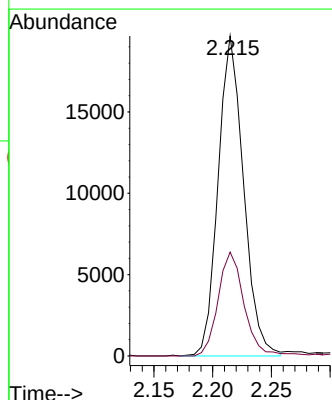
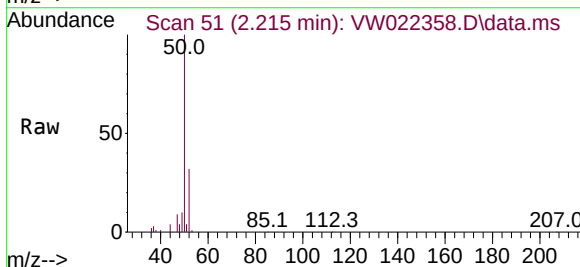
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

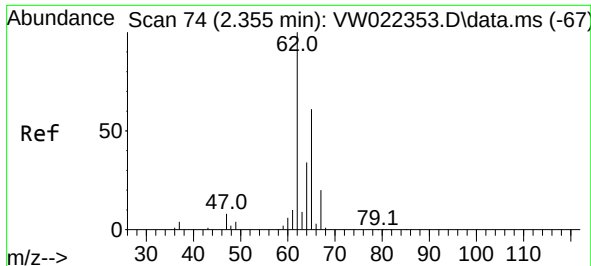
Tgt Ion: 85 Resp: 5676
Ion Ratio Lower Upper
85 100
87 33.2 27.6 41.4



#3
Chloromethane
Concen: 24.181 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 50 Resp: 29602
Ion Ratio Lower Upper
50 100
52 32.4 23.9 44.5

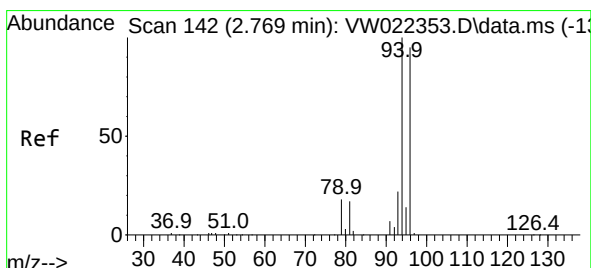
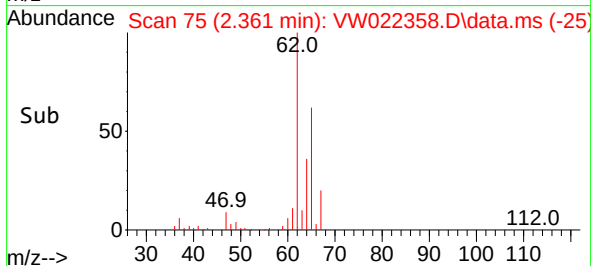
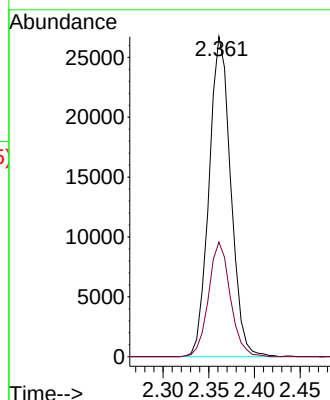
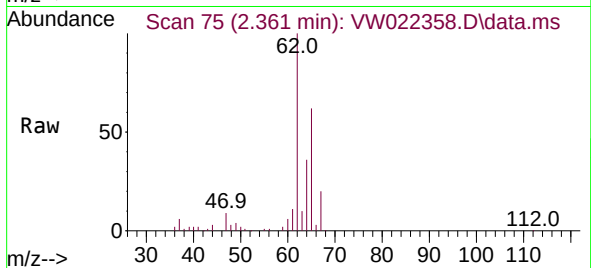




#5
 Vinyl chloride
 Concen: 23.995 ug/L
 RT: 2.361 min Scan# 74
 Delta R.T. 0.006 min
 Lab File: VW022358.D
 Acq: 16 Mar 2022 16:32

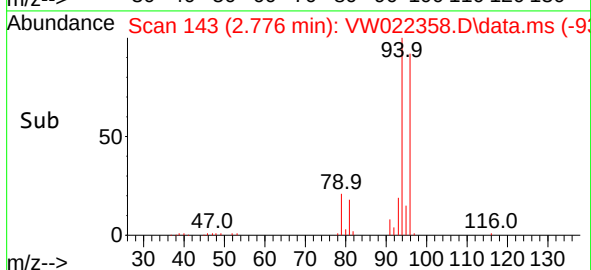
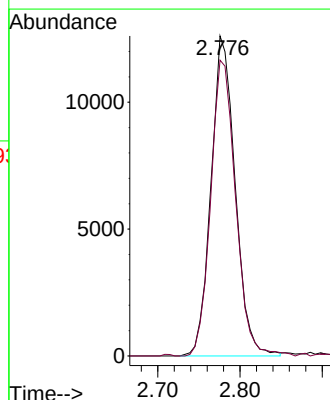
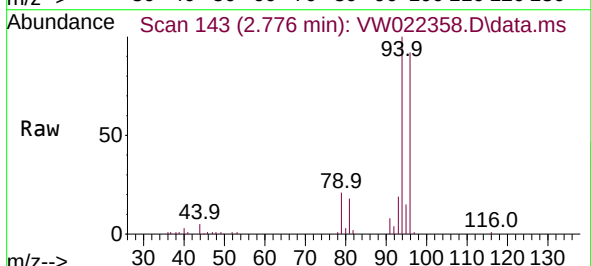
Instrument :
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 ClientSampleId :
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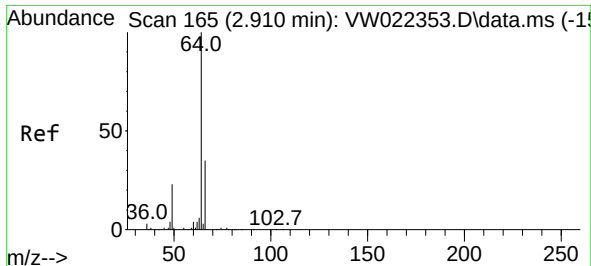
Tgt Ion: 62 Resp: 44136
 Ion Ratio Lower Upper
 62 100
 64 35.8 24.7 45.9



#6
 Bromomethane
 Concen: 20.033 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.006 min
 Lab File: VW022358.D
 Acq: 16 Mar 2022 16:32

Tgt Ion: 94 Resp: 25734
 Ion Ratio Lower Upper
 94 100
 96 92.5 61.2 113.8

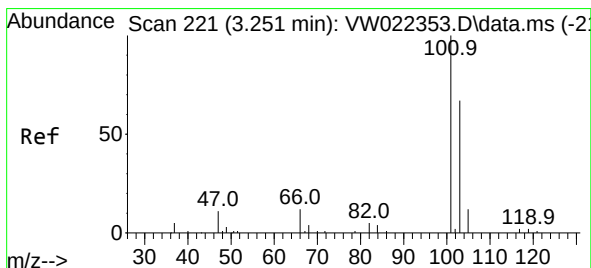
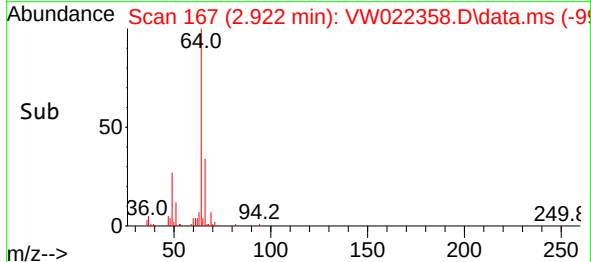
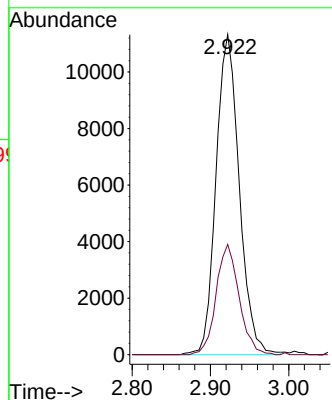
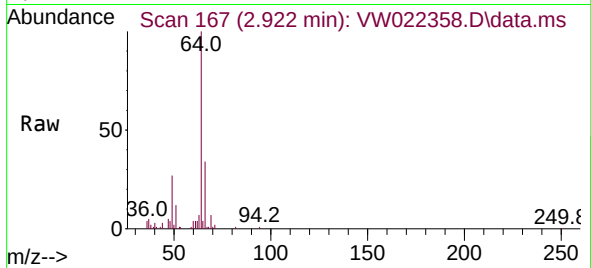




#8
Chloroethane
Concen: 22.597 ug/L
RT: 2.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

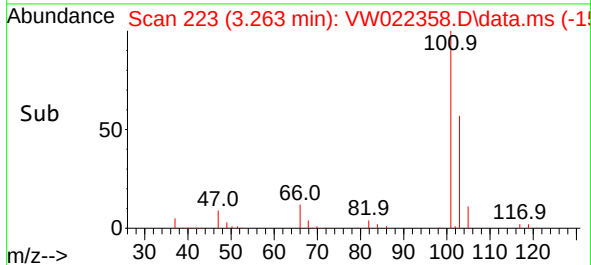
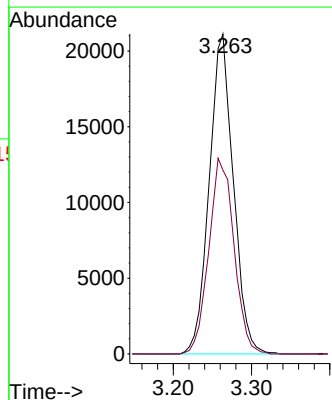
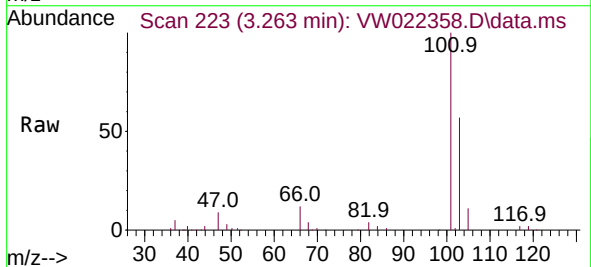
Instrument :
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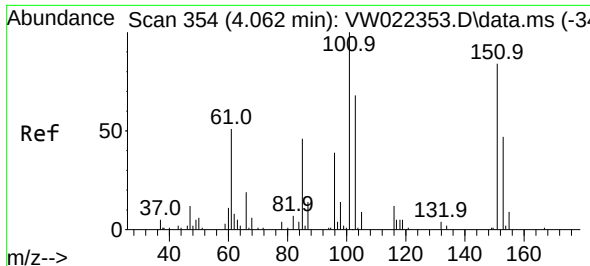
Tgt Ion: 64 Resp: 23349
Ion Ratio Lower Upper
64 100
66 34.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 36.161 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.012 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 101 Resp: 45157
Ion Ratio Lower Upper
101 100
103 64.0 53.2 79.8

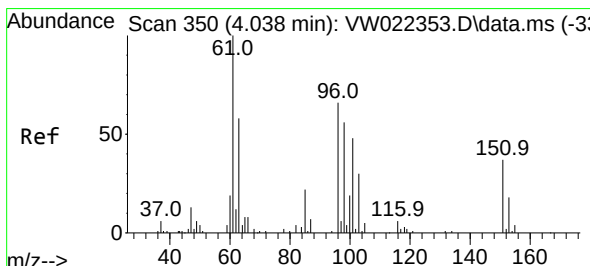
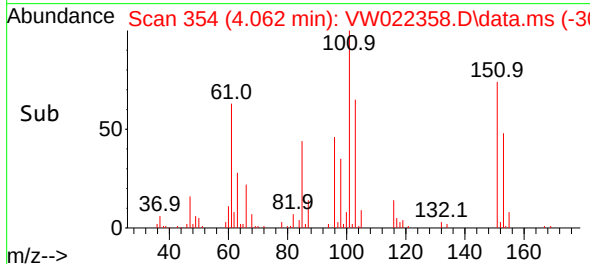
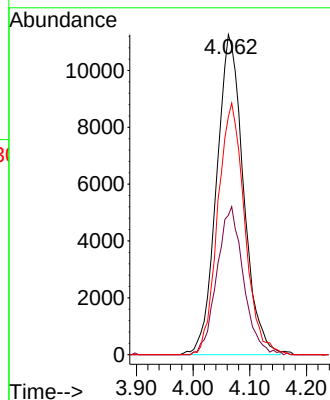
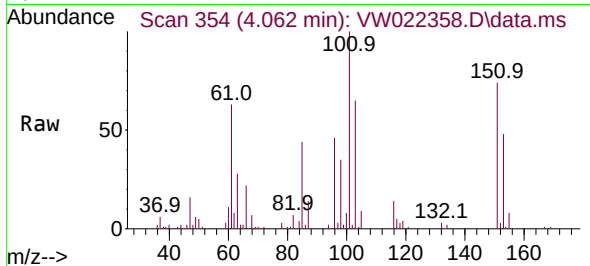




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.372 ug/L
 RT: 4.062 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW022358.D
 Acq: 16 Mar 2022 16:32

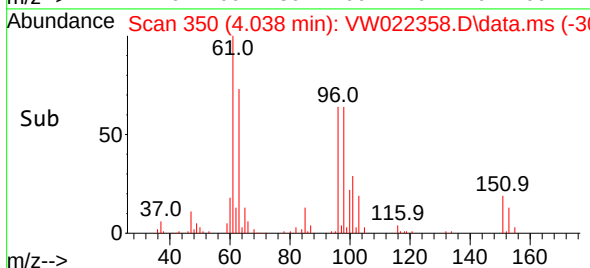
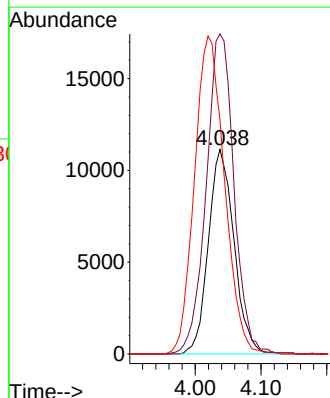
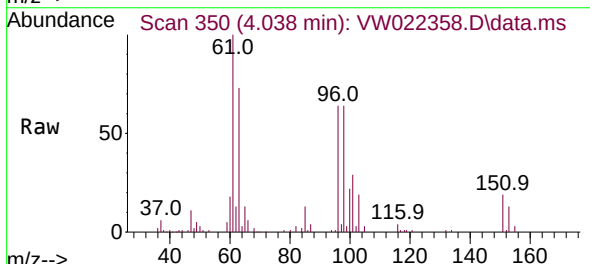
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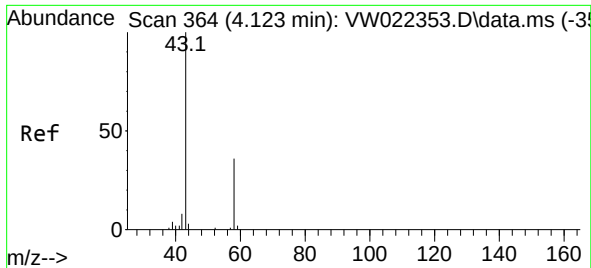
Tgt Ion:	101	Resp:	37133
Ion	Ratio	Lower	Upper
101	100		
85	45.1	34.4	51.6
151	77.3	59.0	88.4



#12
 1,1-Dichloroethene
 Concen: 22.921 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW022358.D
 Acq: 16 Mar 2022 16:32

Tgt Ion:	96	Resp:	30266
Ion	Ratio	Lower	Upper
96	100		
61	156.5	108.4	201.2
63	114.2	72.0	133.6





#13

Acetone

Concen: 61.911 ug/L

RT: 4.129 min Scan# 364

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

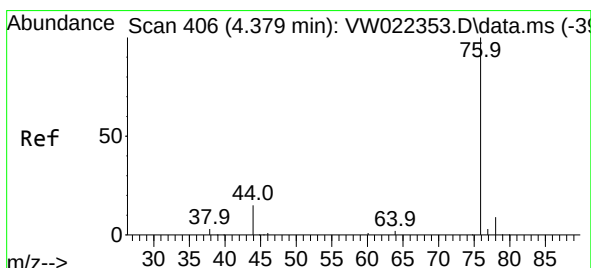
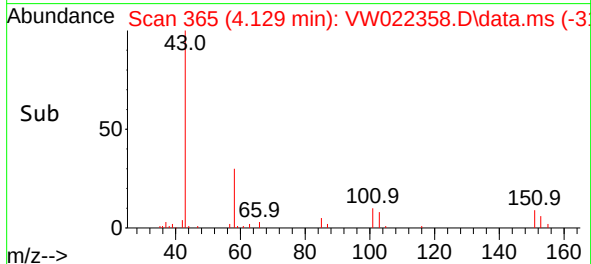
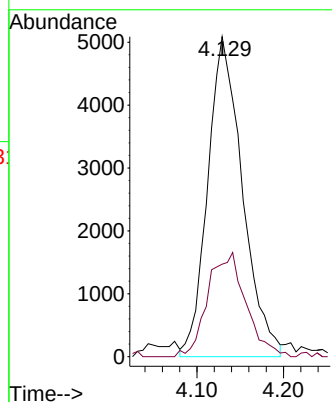
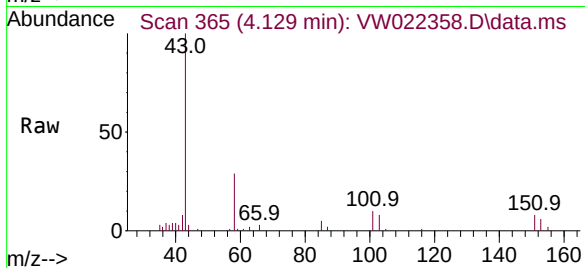
VSTD025588

Tgt Ion: 43 Resp: 14175

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.2



#14

Carbon disulfide

Concen: 16.160 ug/L

RT: 4.379 min Scan# 406

Delta R.T. 0.000 min

Lab File: VW022358.D

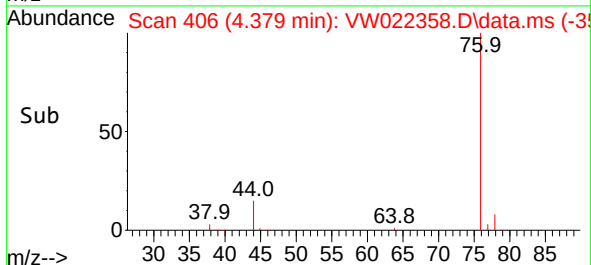
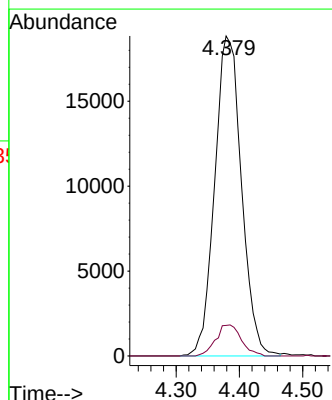
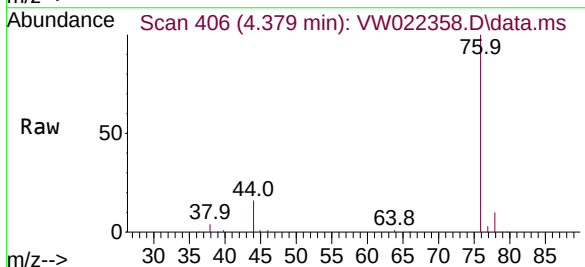
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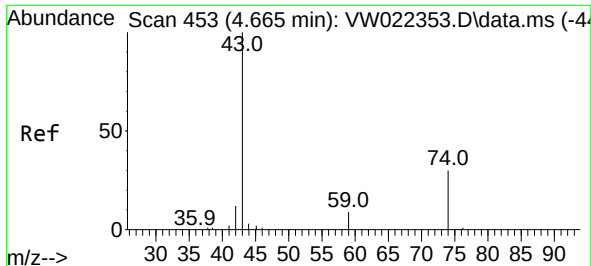
Tgt Ion: 76 Resp: 55323

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8

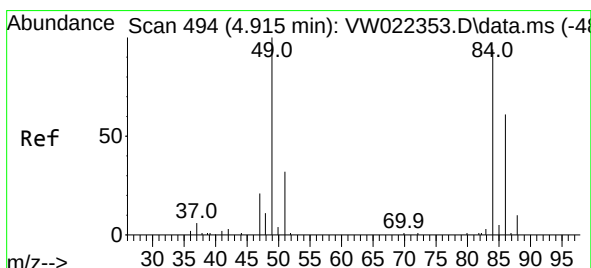
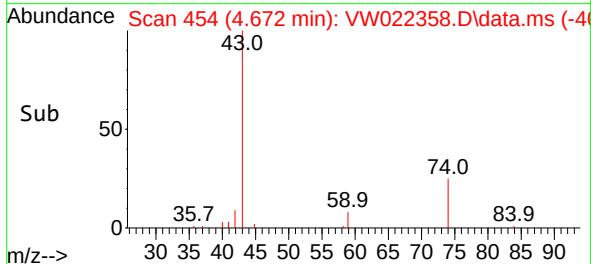
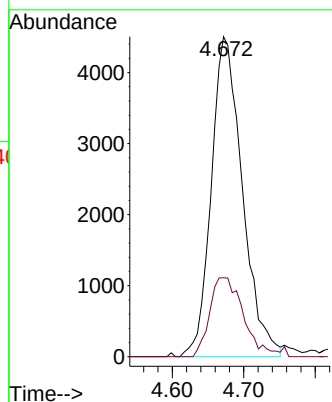
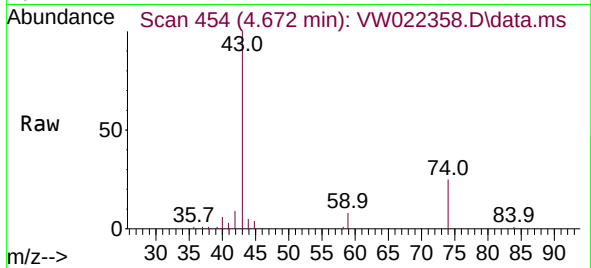




#15
Methyl Acetate
Concen: 26.391 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

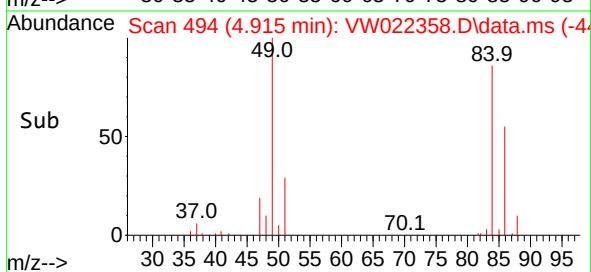
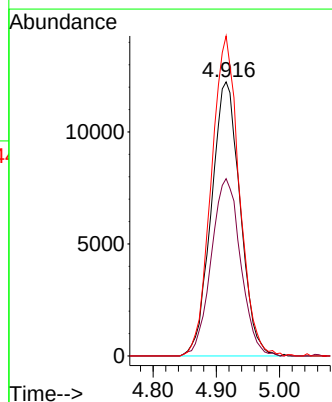
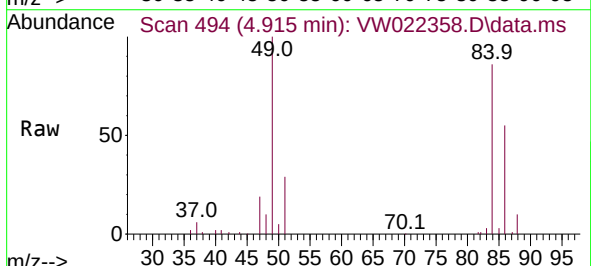
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

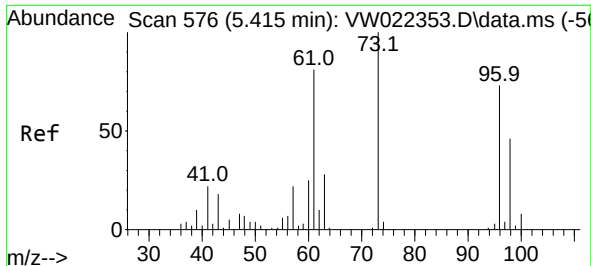
Tgt Ion: 43 Resp: 13603
Ion Ratio Lower Upper
43 100
74 25.4 23.0 34.6



#16
Methylene chloride
Concen: 24.677 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 84 Resp: 38719
Ion Ratio Lower Upper
84 100
86 64.7 45.8 85.0
49 116.8 73.8 137.0





#17

trans-1,2-Dichloroethene

Concen: 23.424 ug/L

RT: 5.422 min Scan# 576

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

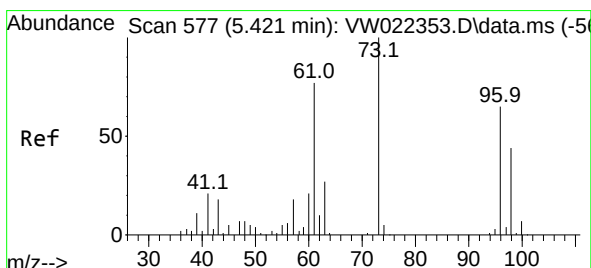
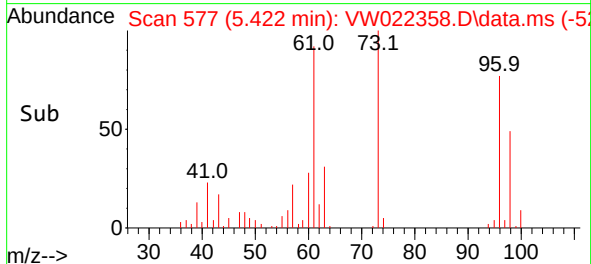
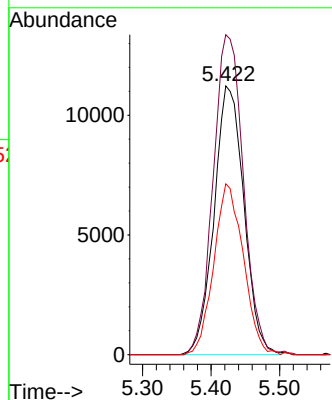
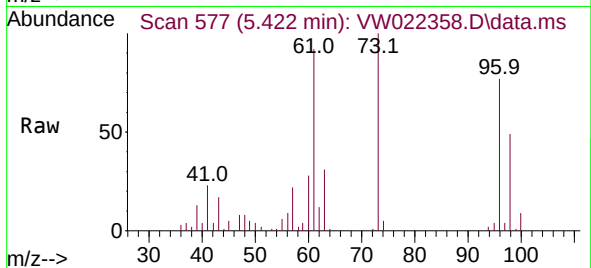
Tgt Ion: 96 Resp: 33973

Ion Ratio Lower Upper

96 100

61 119.1 87.3 162.1

98 63.6 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 26.969 ug/L

RT: 5.428 min Scan# 578

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

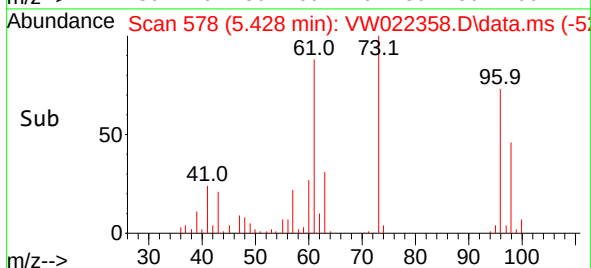
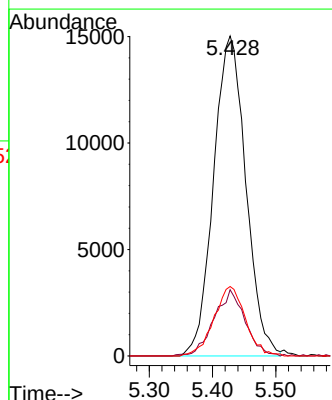
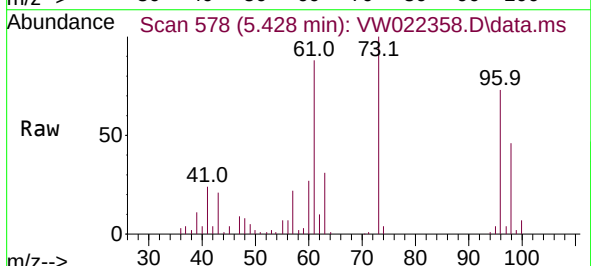
Tgt Ion: 73 Resp: 53215

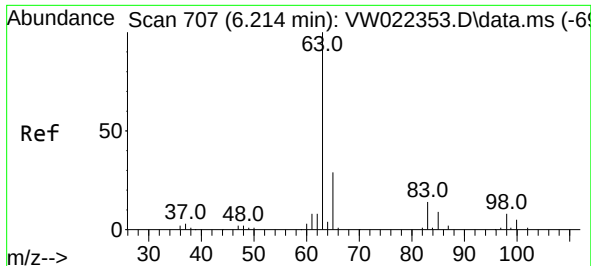
Ion Ratio Lower Upper

73 100

43 19.6 15.4 23.2

57 20.8 16.5 24.7





#19

1,1-Dichloroethane

Concen: 27.372 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

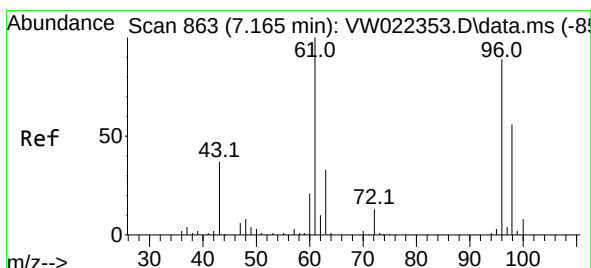
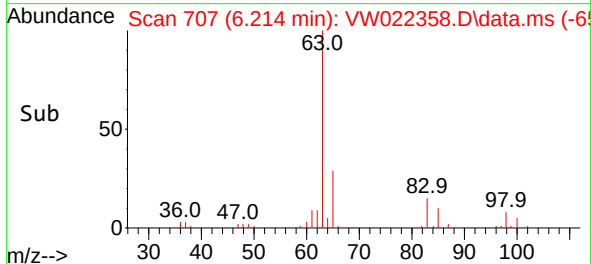
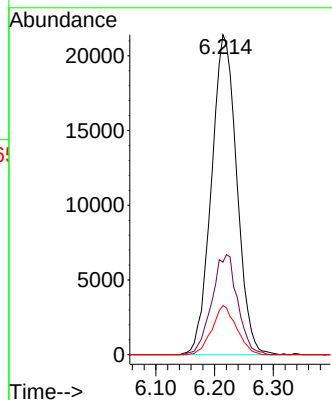
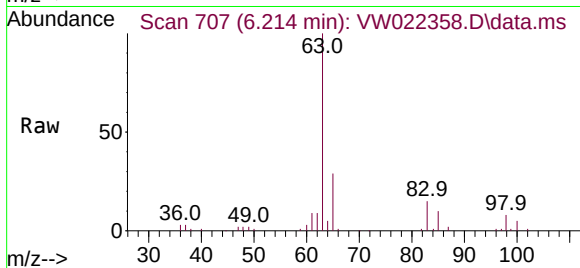
Tgt Ion: 63 Resp: 64270

Ion Ratio Lower Upper

63 100

65 28.9 22.5 41.9

83 15.3 11.5 21.5



#20

cis-1,2-Dichloroethene

Concen: 25.985 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

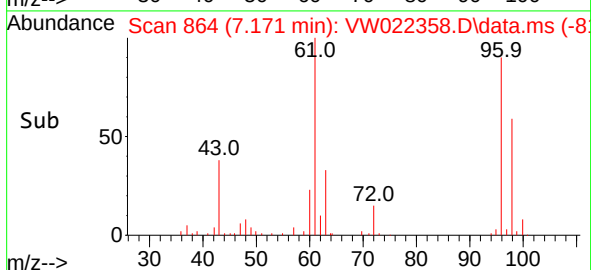
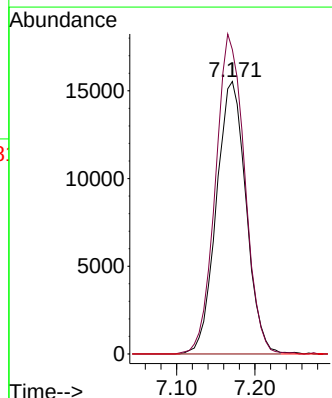
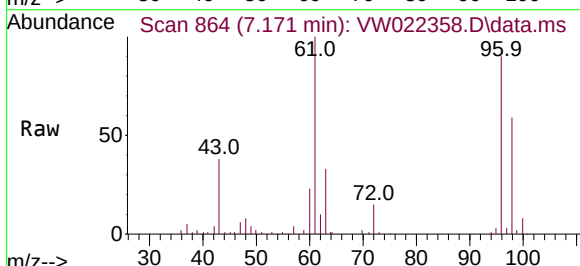
Tgt Ion: 96 Resp: 40825

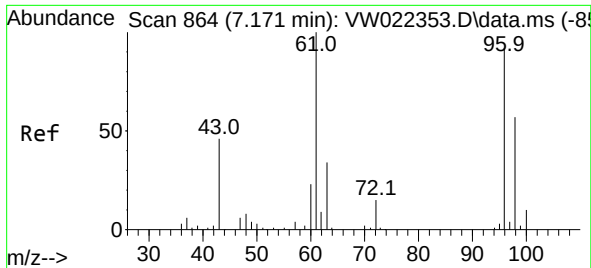
Ion Ratio Lower Upper

96 100

61 111.7 76.8 142.6

68 0.0 0.0 0.0

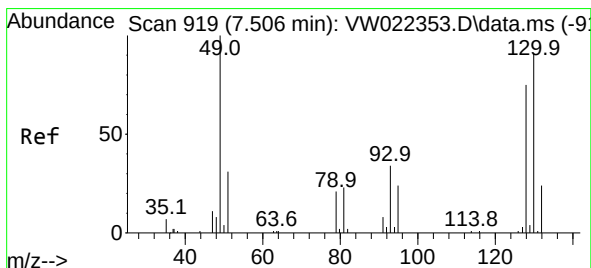
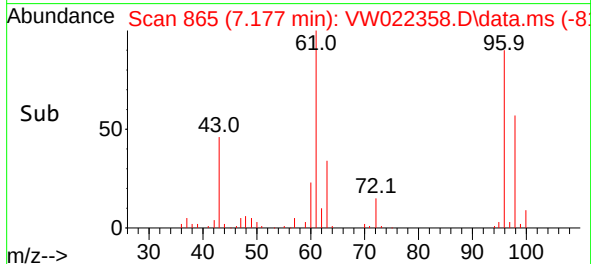
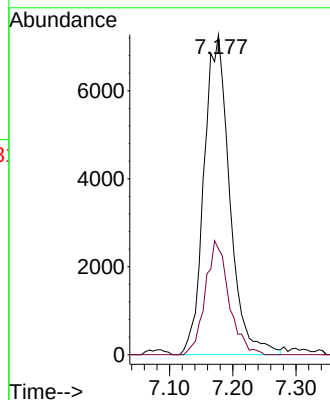
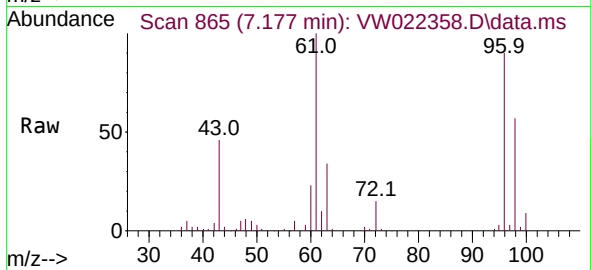




#22
2-Butanone
Concen: 62.494 ug/L
RT: 7.177 min Scan# 80
Delta R.T. 0.006 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

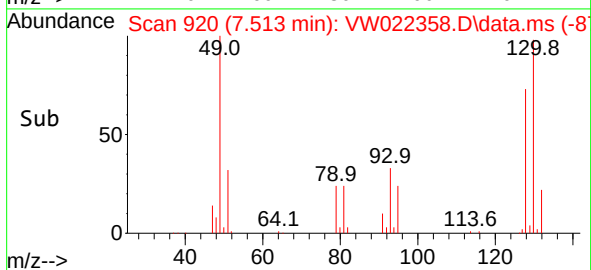
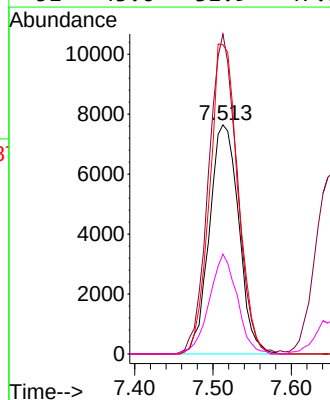
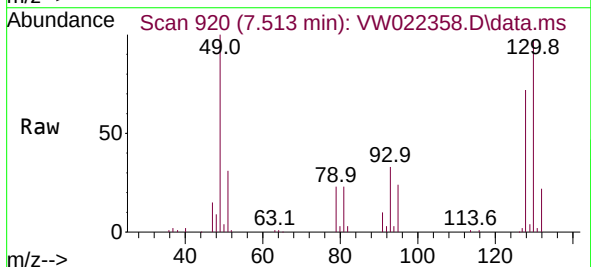
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

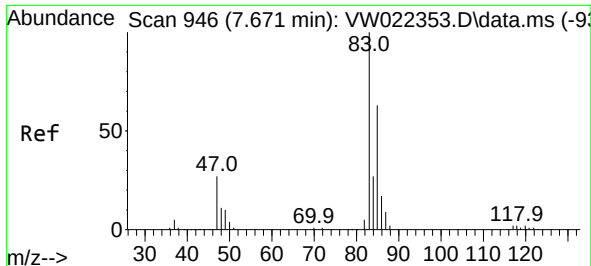
Tgt Ion: 43 Resp: 20554
Ion Ratio Lower Upper
43 100
72 32.4 17.0 51.0



#23
Bromochloromethane
Concen: 25.956 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.006 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 128 Resp: 19921
Ion Ratio Lower Upper
128 100
49 139.7 84.2 156.4
130 135.0 84.8 157.4
51 43.6 31.9 47.9





#25

Chloroform

Concen: 27.840 ug/L

RT: 7.677 min Scan# 946

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

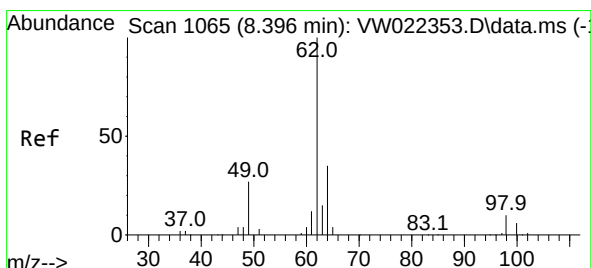
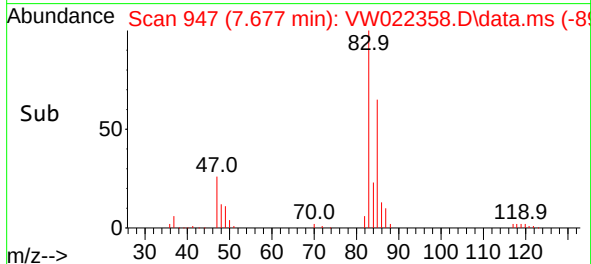
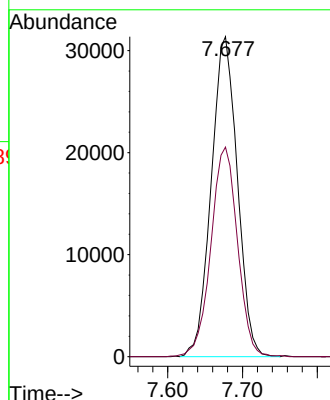
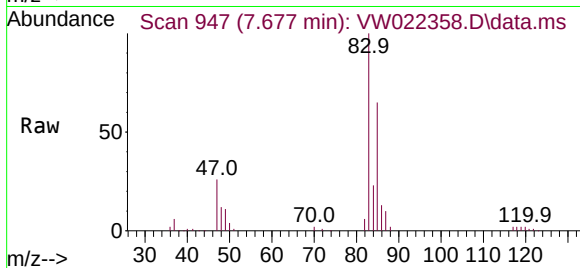
VSTD025588

Tgt Ion: 83 Resp: 76273

Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 27.479 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VW022358.D

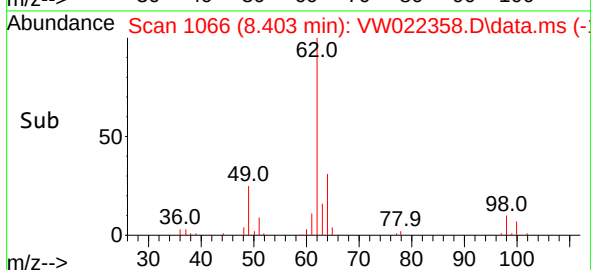
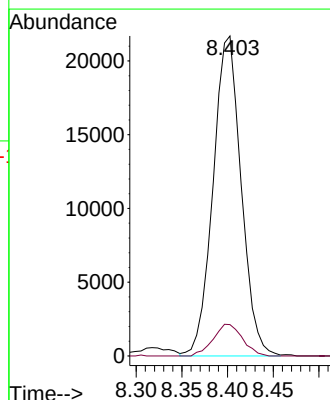
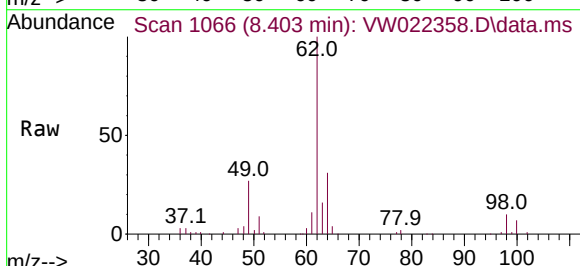
Acq: 16 Mar 2022 16:32

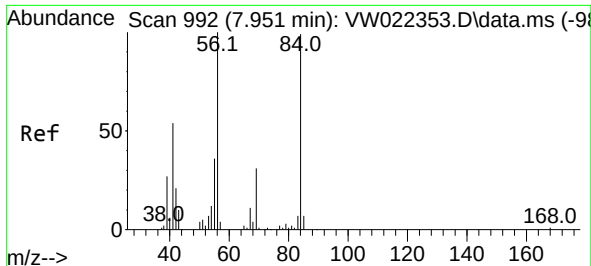
Tgt Ion: 62 Resp: 46369

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 21.784 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

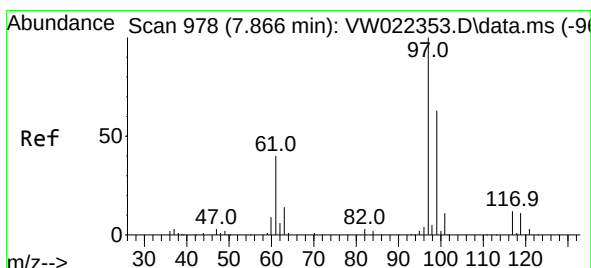
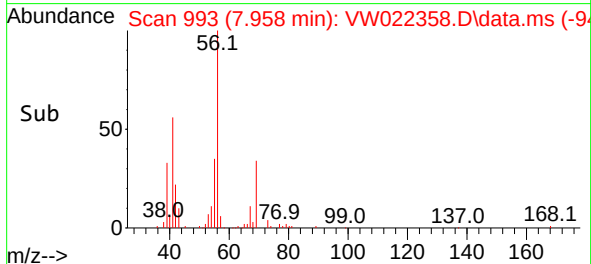
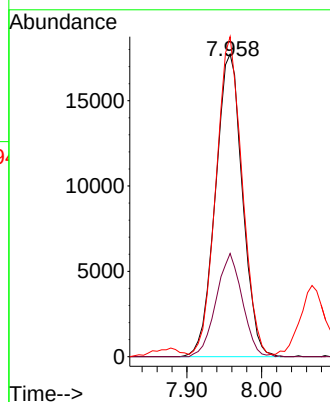
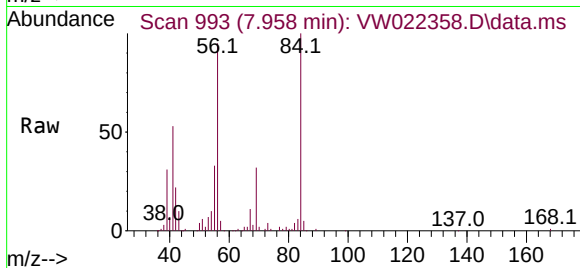
Tgt Ion: 56 Resp: 44552

Ion Ratio Lower Upper

56 100

69 33.0 26.3 39.5

84 102.5 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 26.286 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

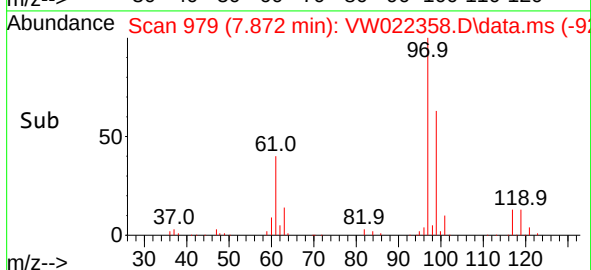
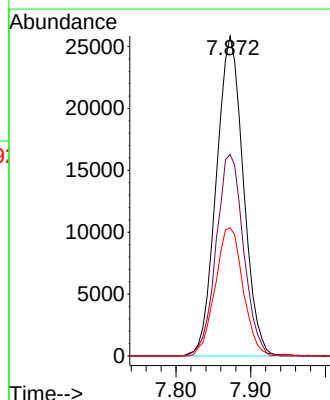
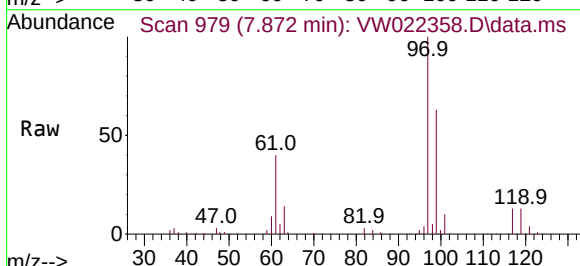
Tgt Ion: 97 Resp: 64992

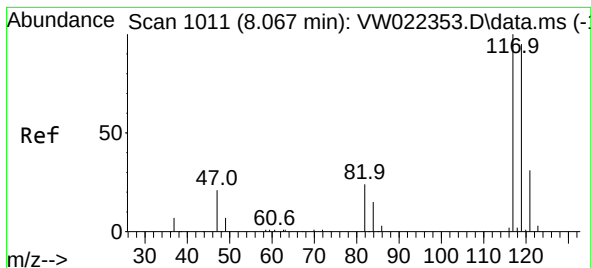
Ion Ratio Lower Upper

97 100

99 64.0 52.6 78.8

61 41.2 33.0 49.6





#31

Carbon tetrachloride

Concen: 26.341 ug/L

RT: 8.067 min Scan# 1011

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

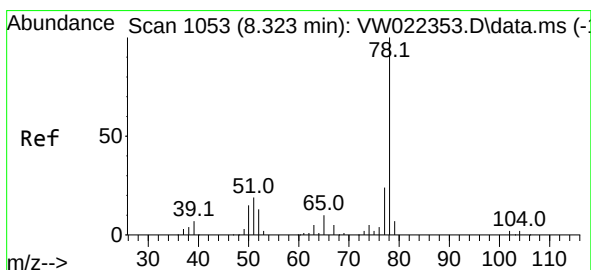
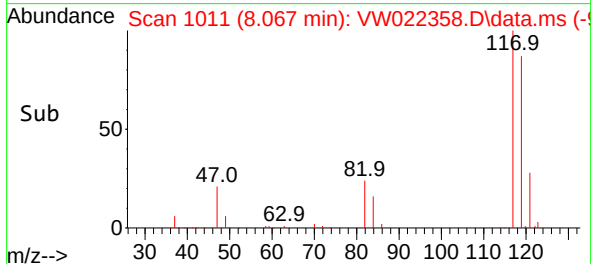
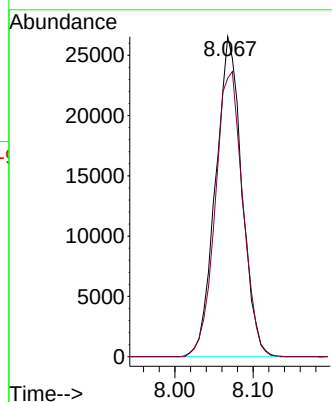
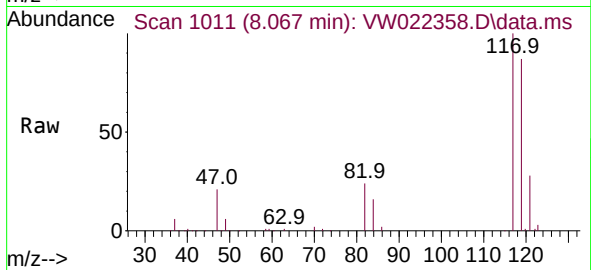
VSTD025588

Tgt Ion:117 Resp: 61897

Ion Ratio Lower Upper

117 100

119 93.4 76.7 115.1



#33

Benzene

Concen: 25.199 ug/L

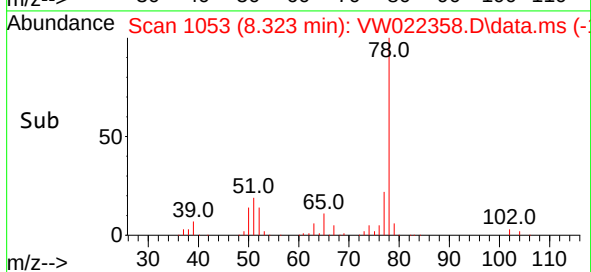
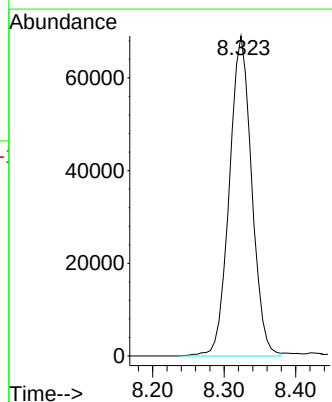
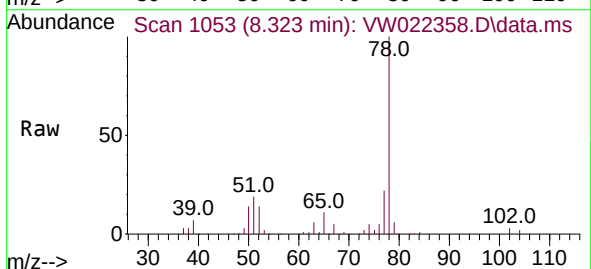
RT: 8.323 min Scan# 1053

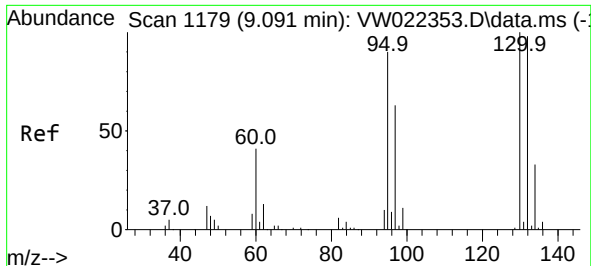
Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Tgt Ion: 78 Resp: 149723

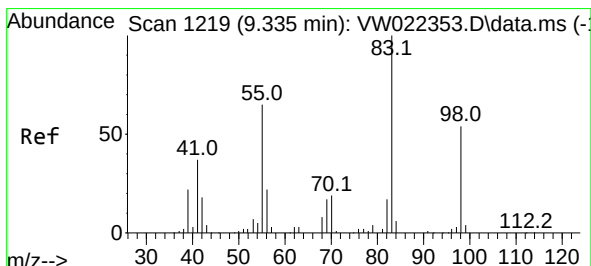
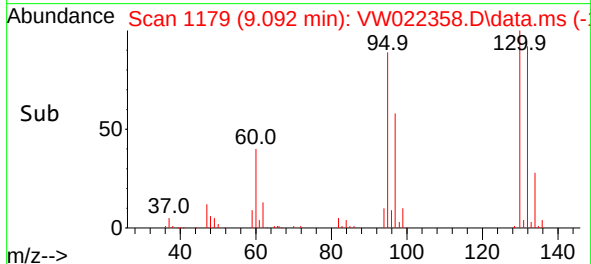
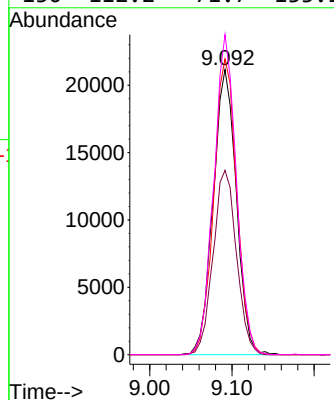
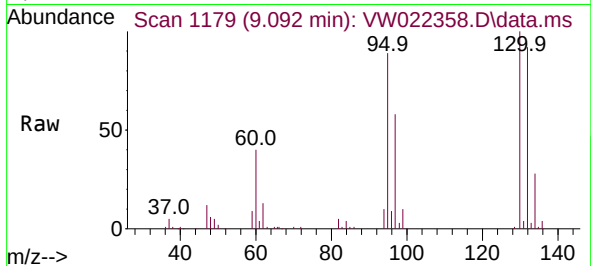




#34
Trichloroethene
Concen: 24.380 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

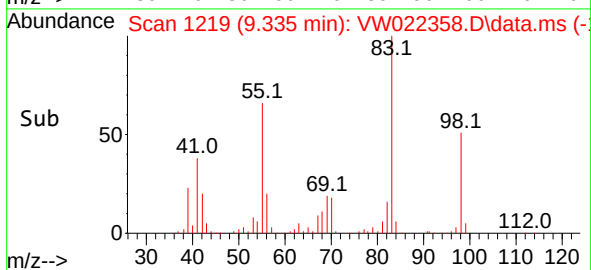
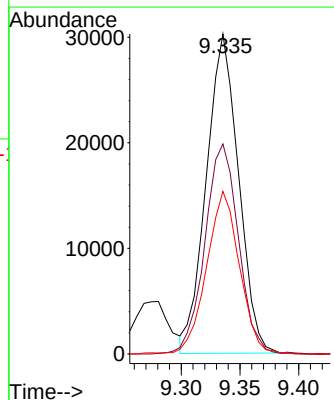
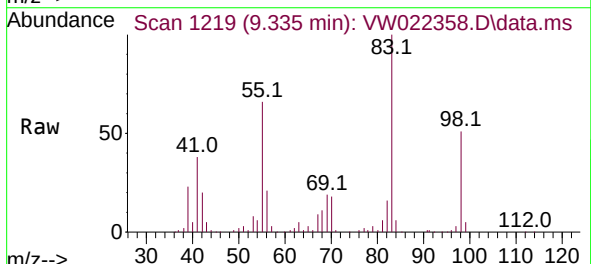
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

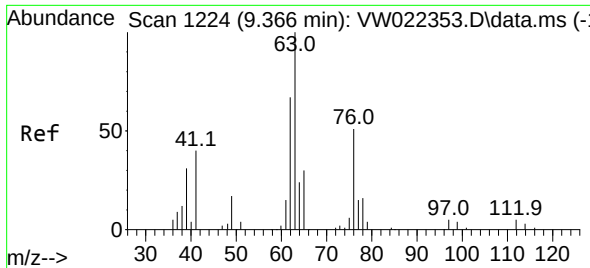
Tgt Ion: 95 Resp: 41476
Ion Ratio Lower Upper
95 100
97 64.6 44.4 82.4
132 103.7 71.7 133.1
130 112.2 71.7 133.1



#35
Methylcyclohexane
Concen: 21.955 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 83 Resp: 57771
Ion Ratio Lower Upper
83 100
55 68.3 53.8 80.8
98 51.8 42.1 63.1

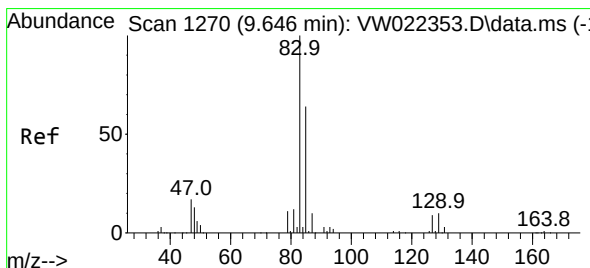
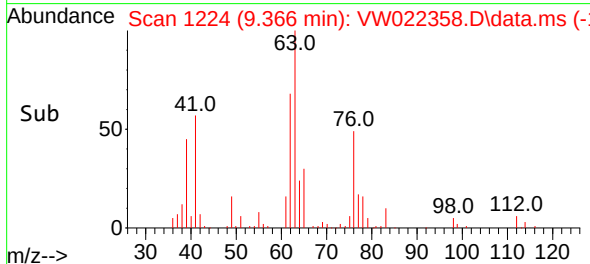
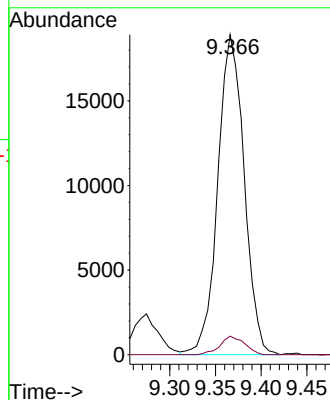
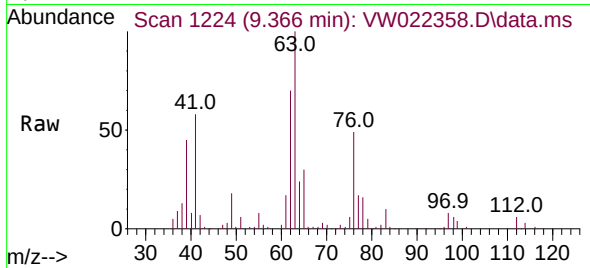




#37
1,2-Dichloropropane
Concen: 27.374 ug/L
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

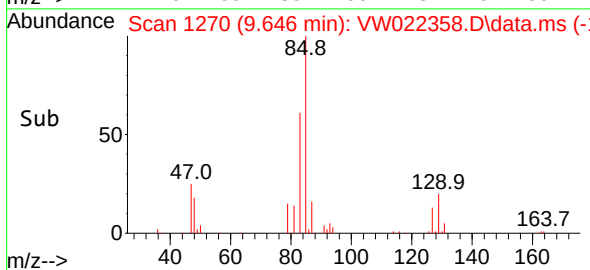
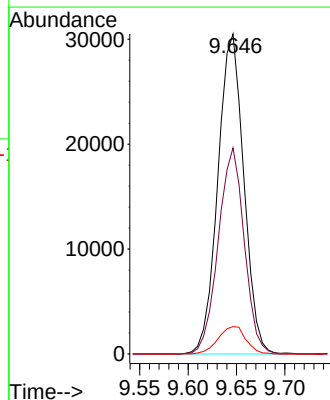
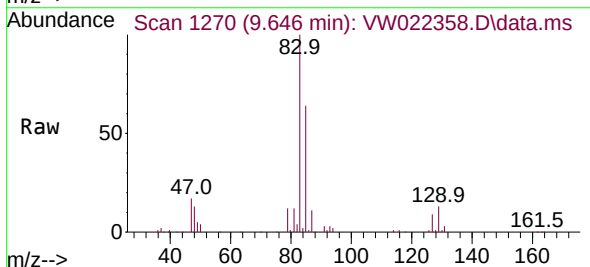
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

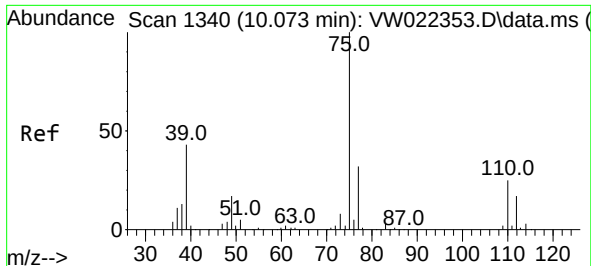
Tgt Ion: 63 Resp: 37944
Ion Ratio Lower Upper
63 100
112 5.4 4.1 6.1



#38
Bromodichloromethane
Concen: 28.552 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 83 Resp: 56756
Ion Ratio Lower Upper
83 100
85 64.4 47.9 89.1
127 8.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 28.299 ug/L

RT: 10.073 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

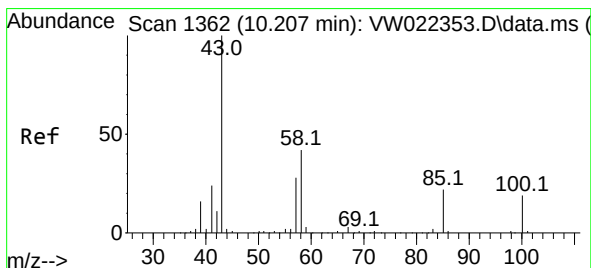
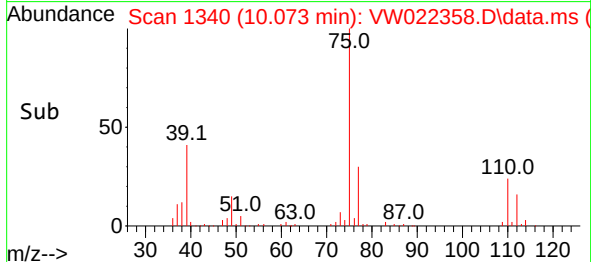
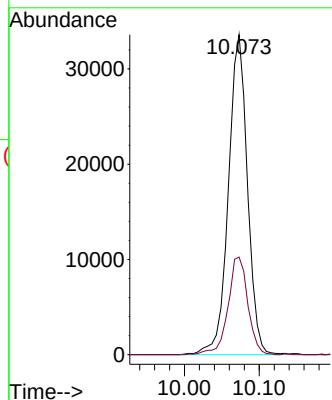
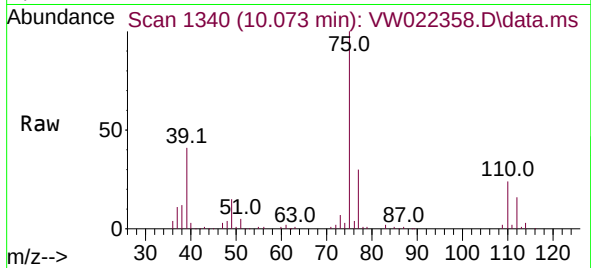
VSTD025588

Tgt Ion: 75 Resp: 59626

Ion Ratio Lower Upper

75 100

77 30.5 20.6 38.2



#40

4-Methyl-2-pentanone

Concen: 56.979 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

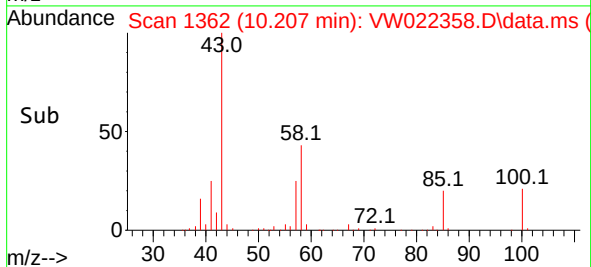
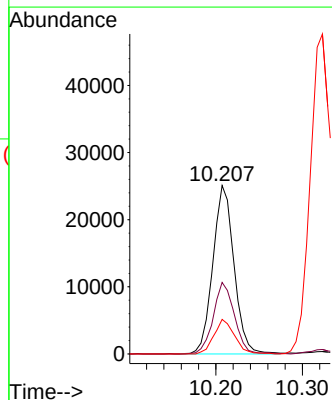
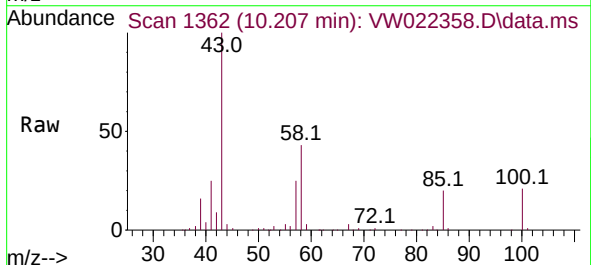
Tgt Ion: 43 Resp: 42652

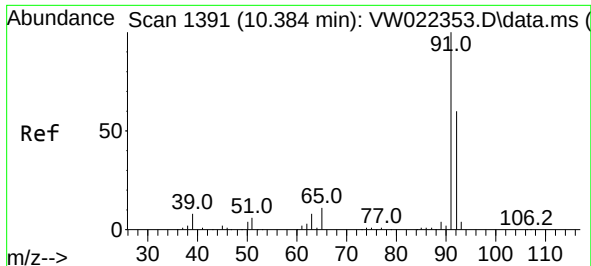
Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8

100 19.9 16.1 24.1

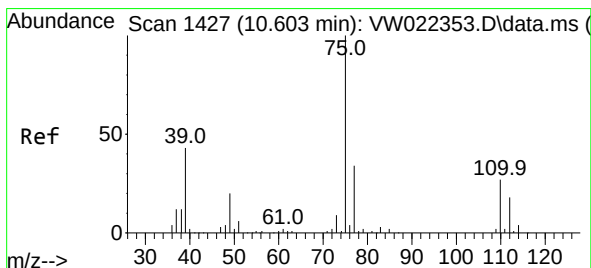
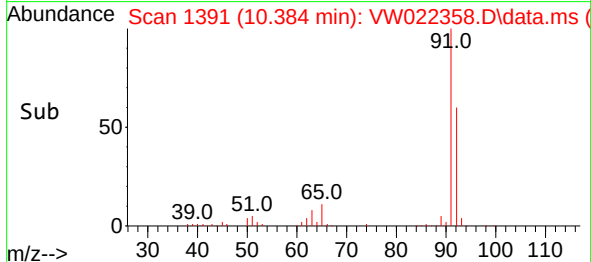
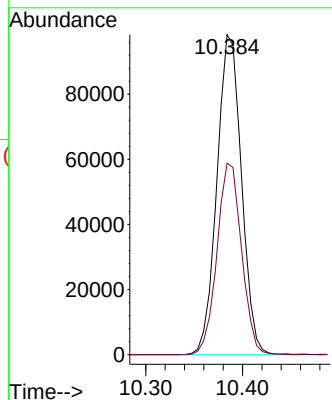
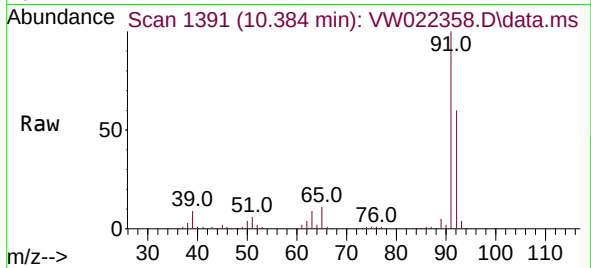




#42
Toluene
Concen: 25.728 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

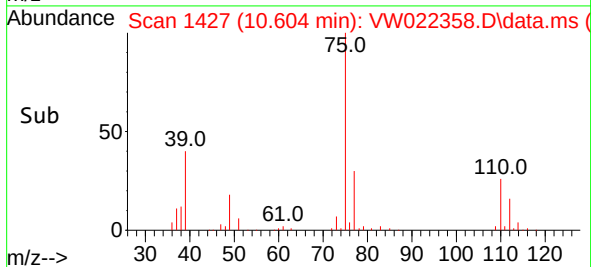
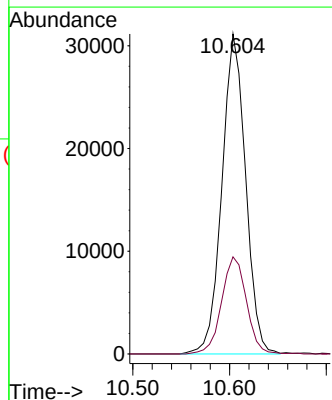
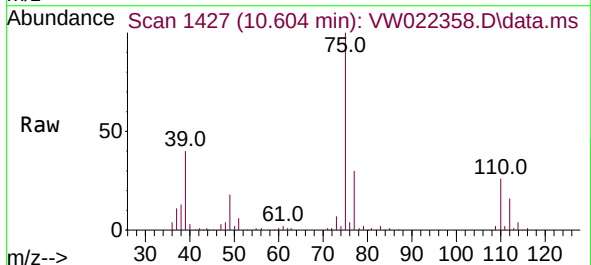
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

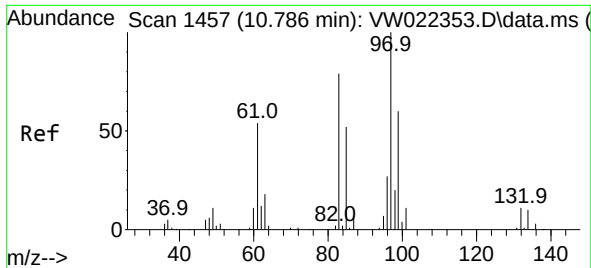
Tgt Ion: 91 Resp: 173017
Ion Ratio Lower Upper
91 100
92 59.8 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 27.972 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 75 Resp: 52963
Ion Ratio Lower Upper
75 100
77 30.3 22.0 40.8

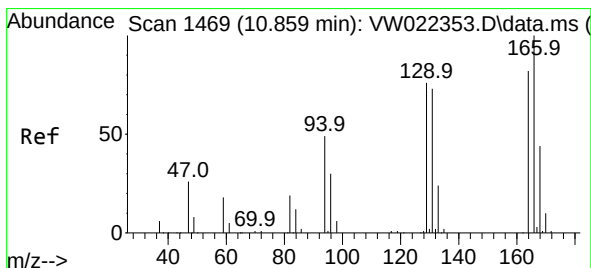
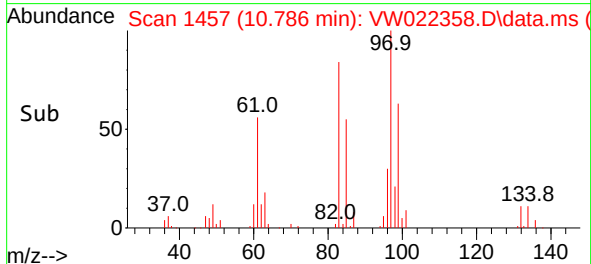
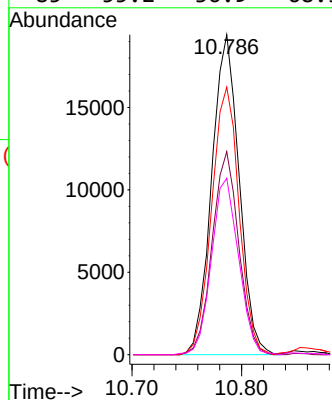
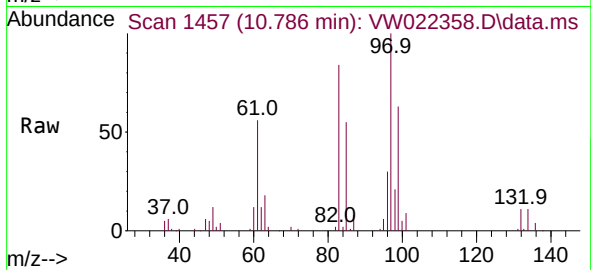




#45
1,1,2-Trichloroethane
Concen: 27.455 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

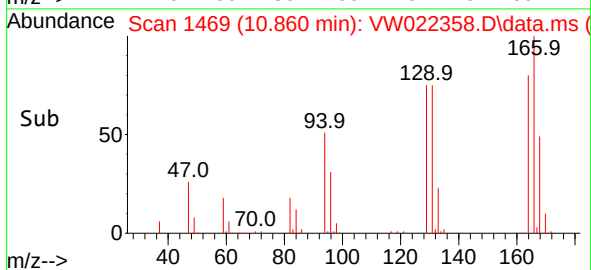
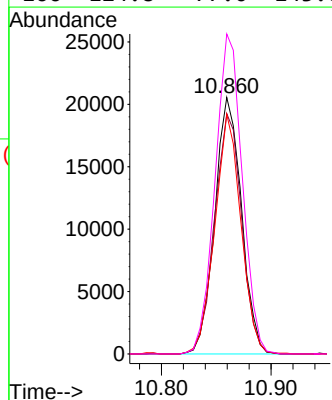
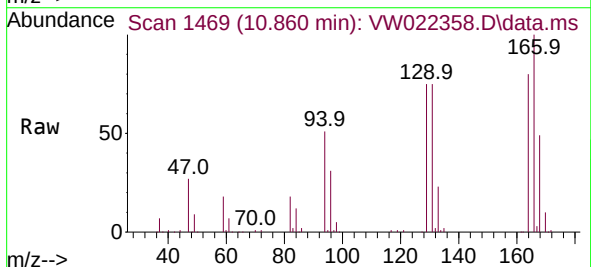
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

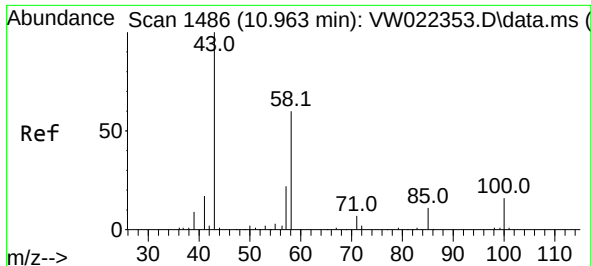
Tgt Ion:	97	Resp:	33747
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.5	80.7
83	83.6	53.5	99.3
85	55.2	36.9	68.5



#46
Tetrachloroethene
Concen: 23.348 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion:	164	Resp:	34795
Ion	Ratio	Lower	Upper
164	100		
129	93.7	60.3	111.9
131	93.5	59.9	111.3
166	124.8	77.0	143.0

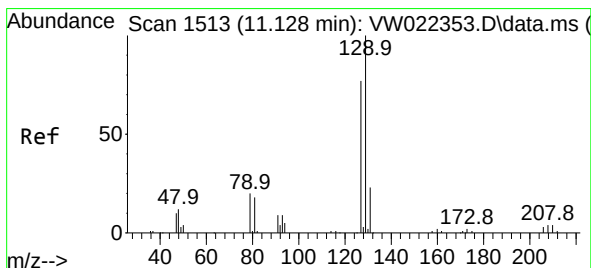
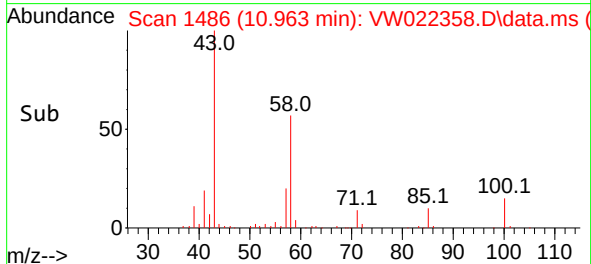
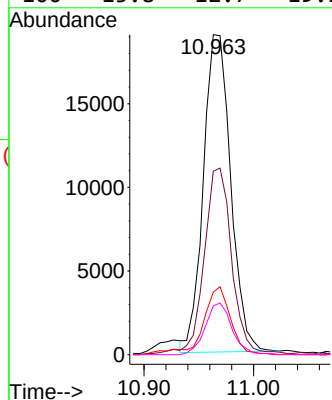
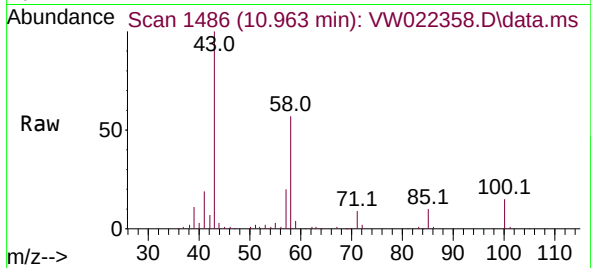




#48
2-Hexanone
Concen: 63.384 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

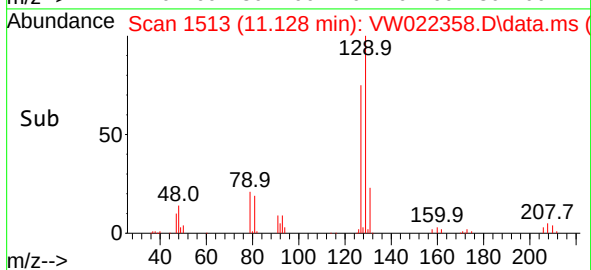
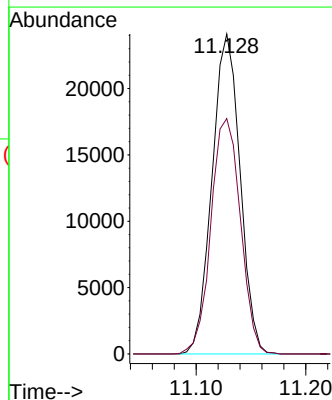
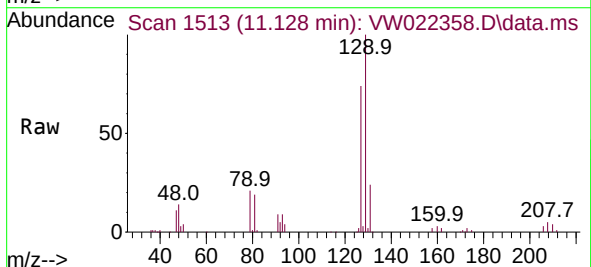
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

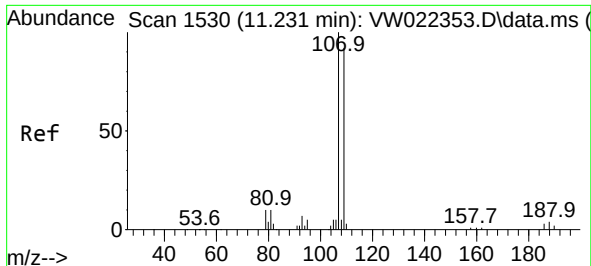
Tgt Ion:	43	Resp:	32931
Ion	Ratio	Lower	Upper
43	100		
58	58.6	44.6	66.8
57	19.8	15.8	23.8
100	15.8	12.7	19.1



#49
Dibromochloromethane
Concen: 28.715 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion:	129	Resp:	42872
Ion	Ratio	Lower	Upper
129	100		
127	73.6	54.5	101.1





#50

1,2-Dibromoethane

Concen: 26.090 ug/L

RT: 11.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

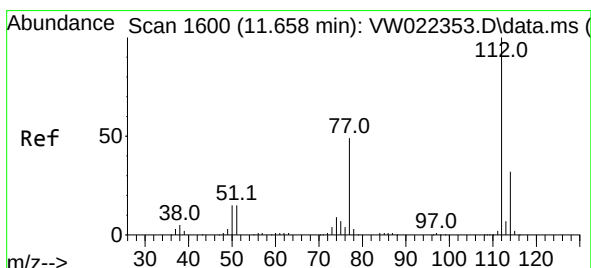
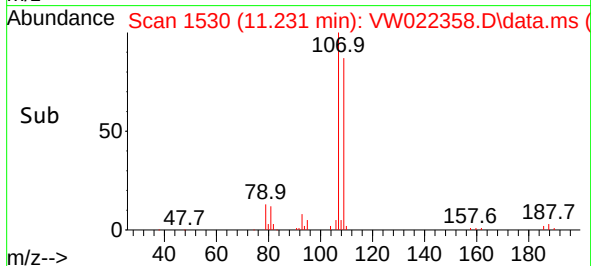
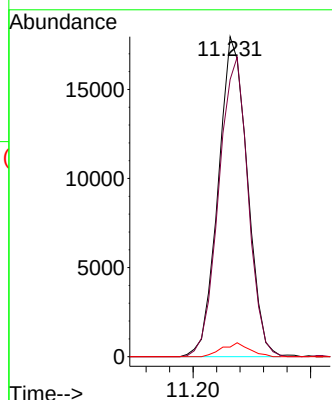
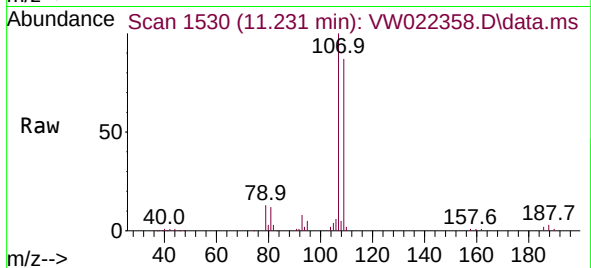
Tgt Ion:107 Resp: 30931

Ion Ratio Lower Upper

107 100

109 86.6 66.8 124.2

188 3.0 2.6 4.0



#51

Chlorobenzene

Concen: 26.737 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

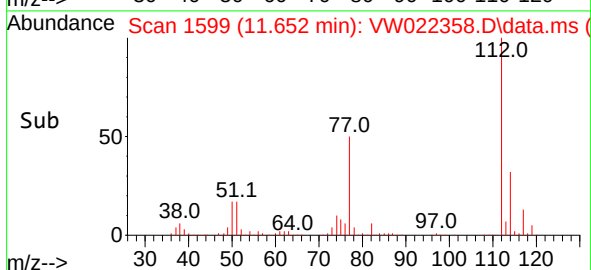
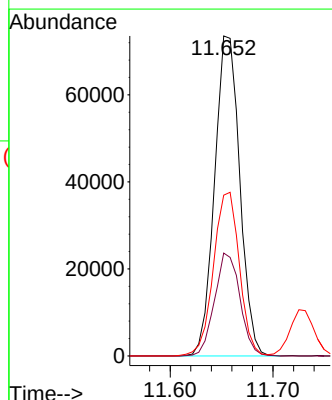
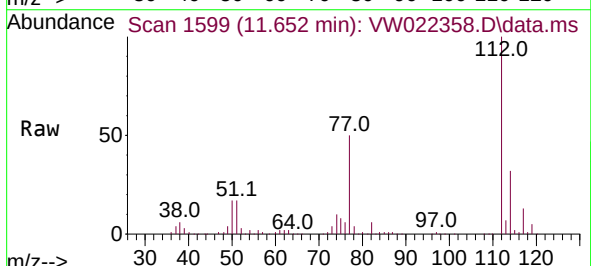
Tgt Ion:112 Resp: 125130

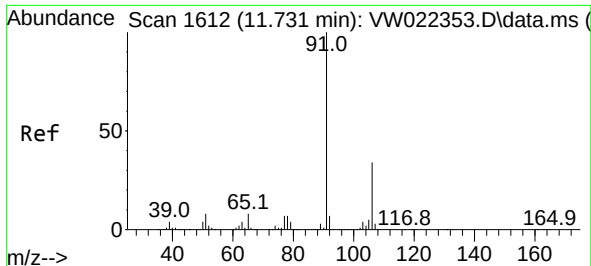
Ion Ratio Lower Upper

112 100

114 32.2 23.0 42.8

77 50.3 41.8 62.6

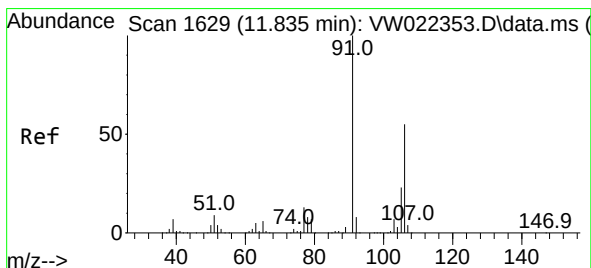
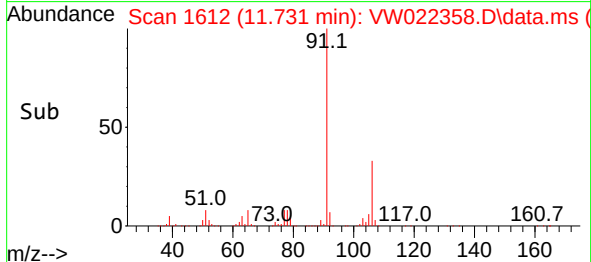
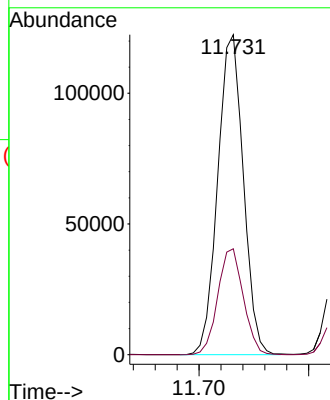
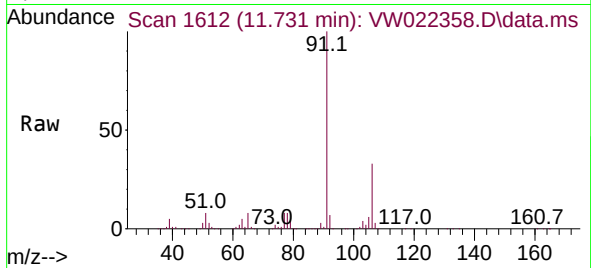




#52
Ethylbenzene
Concen: 26.683 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

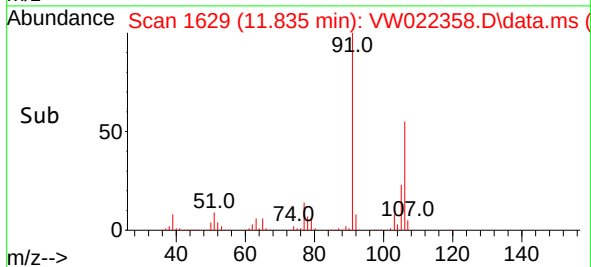
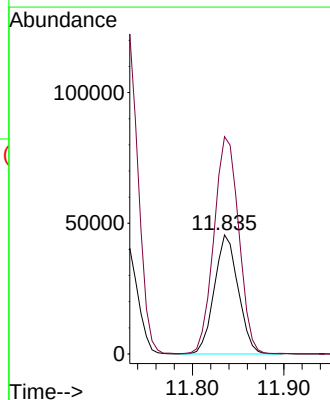
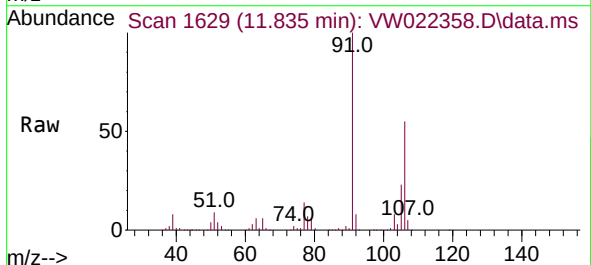
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

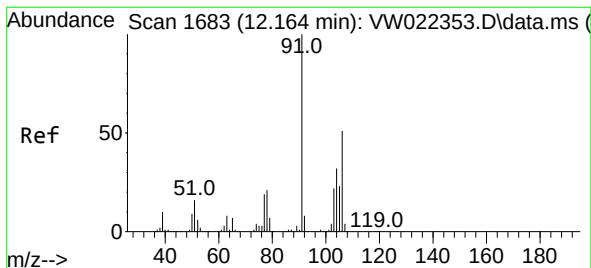
Tgt Ion: 91 Resp: 198587
Ion Ratio Lower Upper
91 100
106 33.1 22.8 42.4



#53
m,p-Xylene
Concen: 26.955 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion:106 Resp: 82549
Ion Ratio Lower Upper
106 100
91 182.5 135.0 250.8





#54

o-Xylene

Concen: 27.206 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

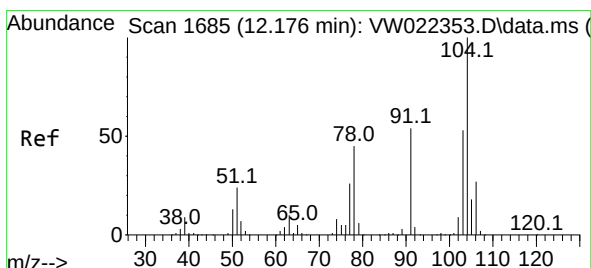
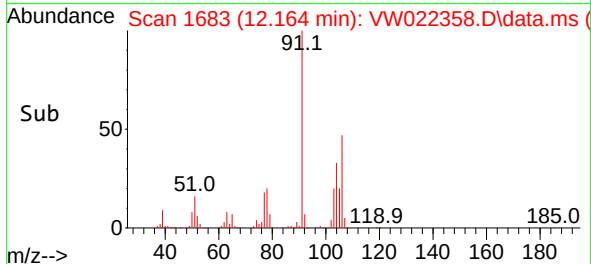
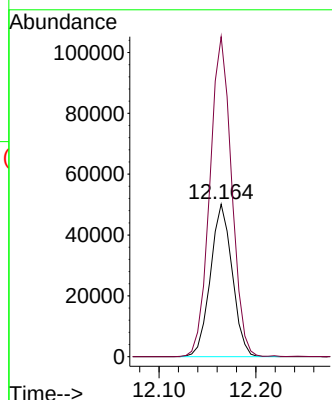
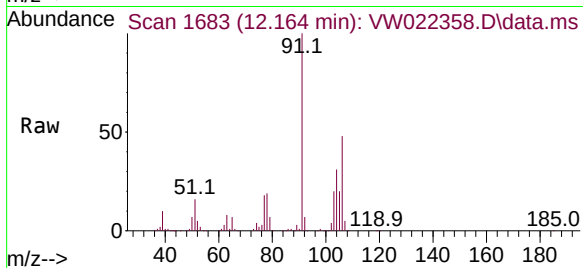
VSTD025588

Tgt Ion:106 Resp: 78395

Ion Ratio Lower Upper

106 100

91 209.8 136.9 254.3



#55

Styrene

Concen: 29.015 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW022358.D

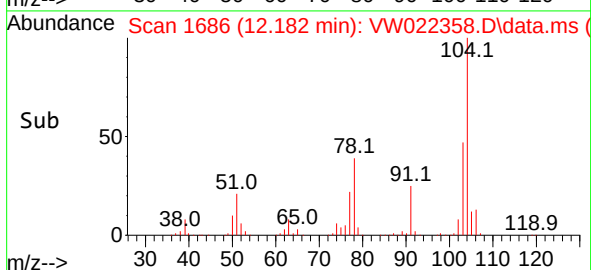
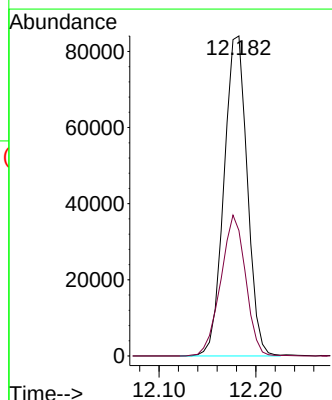
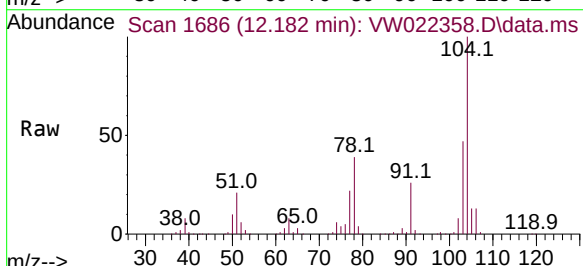
Acq: 16 Mar 2022 16:32

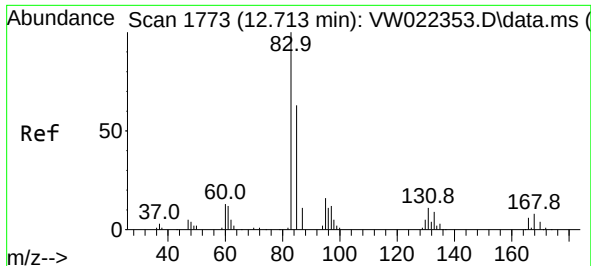
Tgt Ion:104 Resp: 140162

Ion Ratio Lower Upper

104 100

78 39.2 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 29.431 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

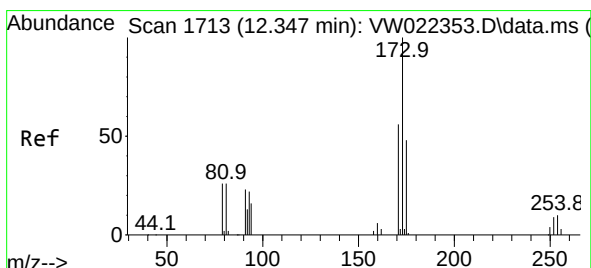
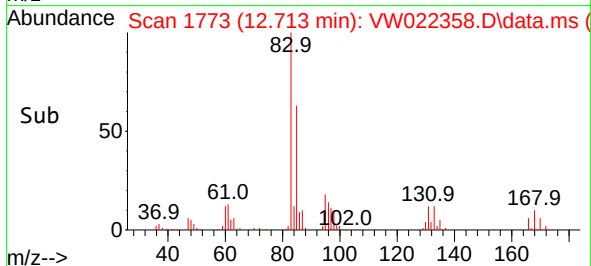
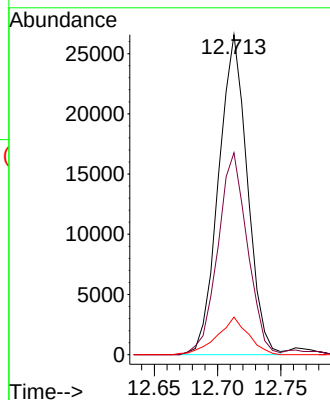
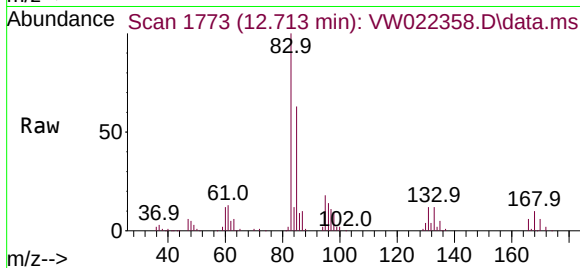
Tgt Ion: 83 Resp: 41973

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

131 11.7 9.4 14.0



#59

Bromoform

Concen: 26.441 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

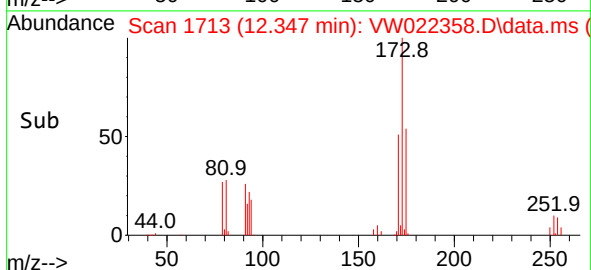
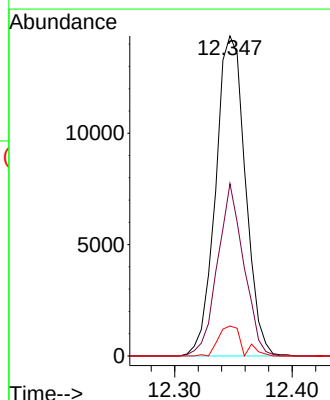
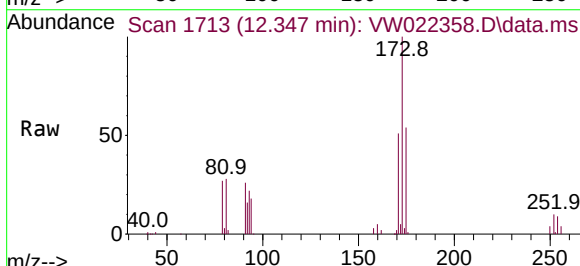
Tgt Ion:173 Resp: 25263

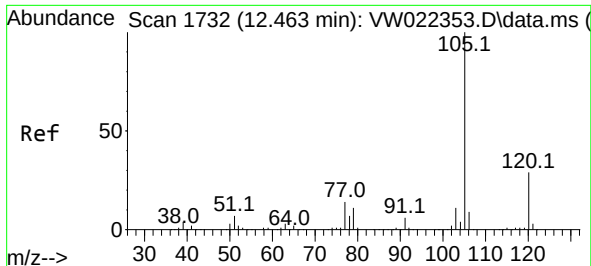
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.4

254 6.3 5.0 7.6

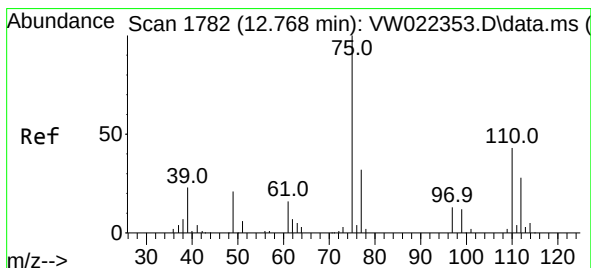
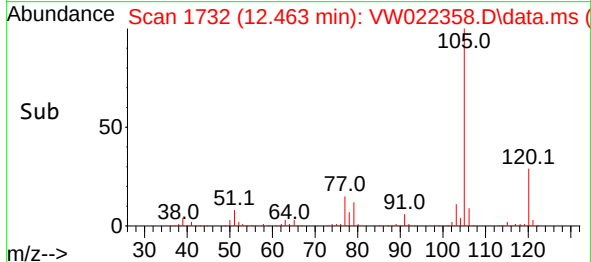
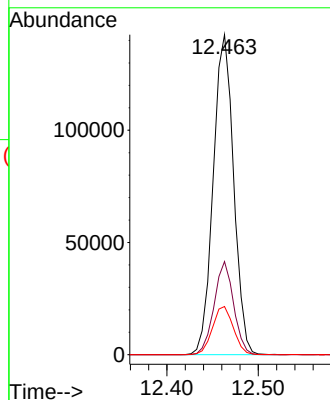
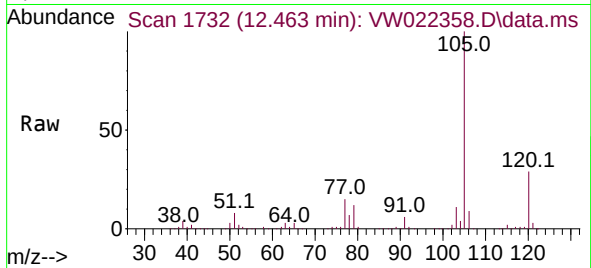




#60
Isopropylbenzene
Concen: 25.505 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

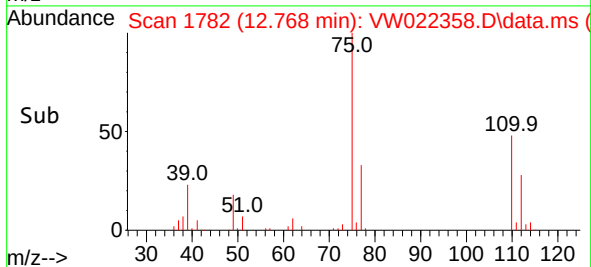
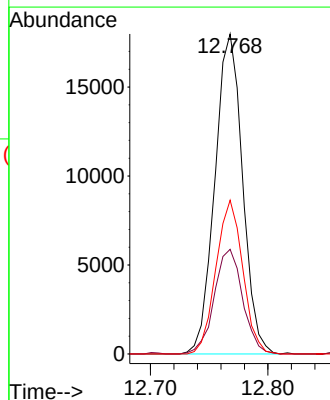
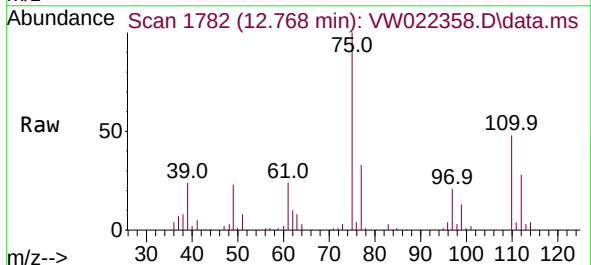
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

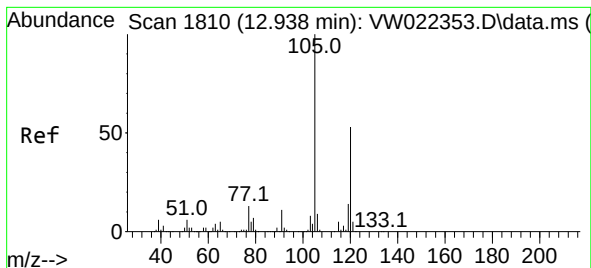
Tgt Ion:105 Resp: 221207
Ion Ratio Lower Upper
105 100
120 27.8 22.1 33.1
77 15.5 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 25.782 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion: 75 Resp: 29400
Ion Ratio Lower Upper
75 100
77 33.6 27.1 40.7
110 46.5 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 26.385 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

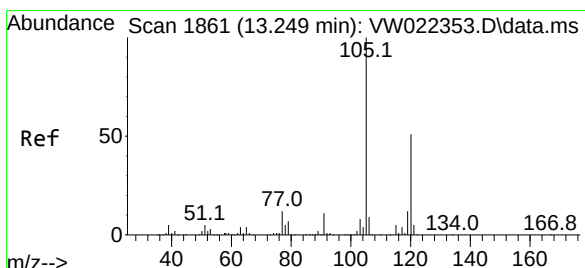
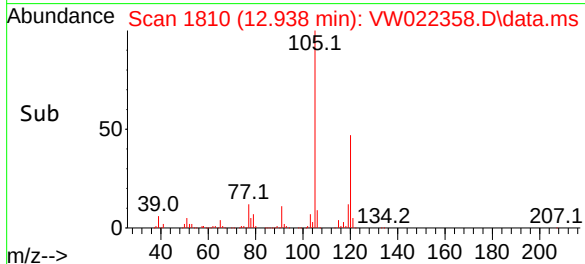
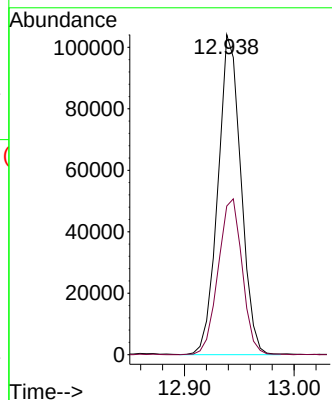
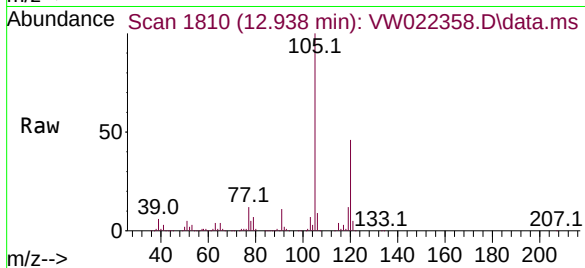
VSTD025588

Tgt Ion:105 Resp: 152169

Ion Ratio Lower Upper

105 100

120 50.7 41.5 62.3



#63

1,2,4-Trimethylbenzene

Concen: 26.318 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW022358.D

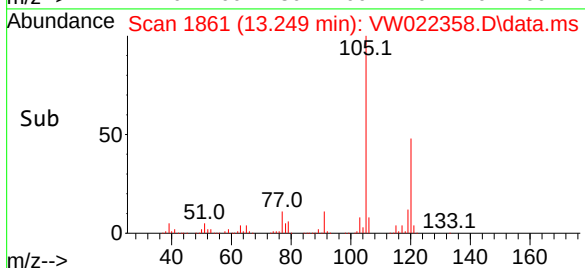
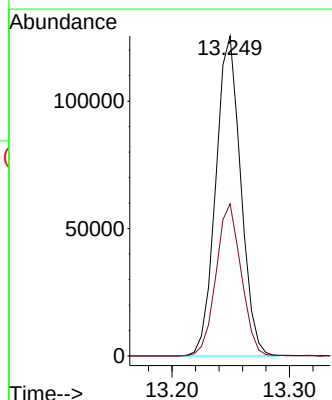
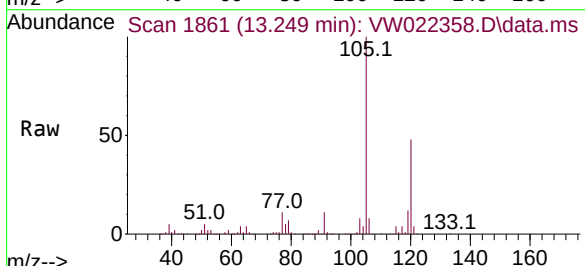
Acq: 16 Mar 2022 16:32

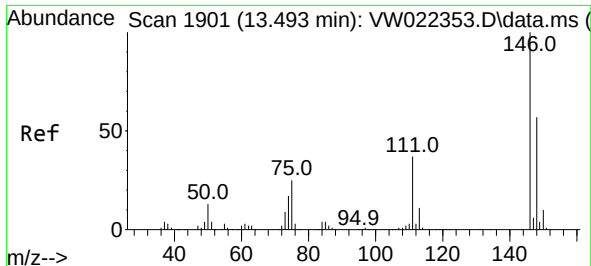
Tgt Ion:105 Resp: 185497

Ion Ratio Lower Upper

105 100

120 47.8 39.2 58.8

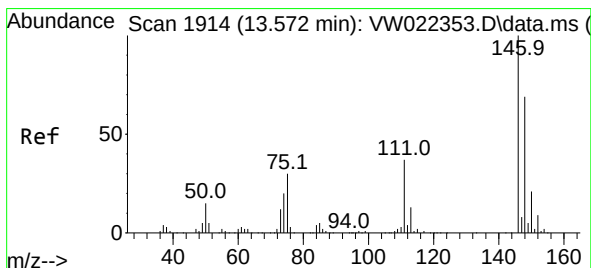
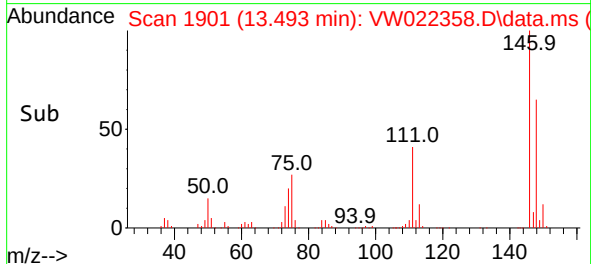
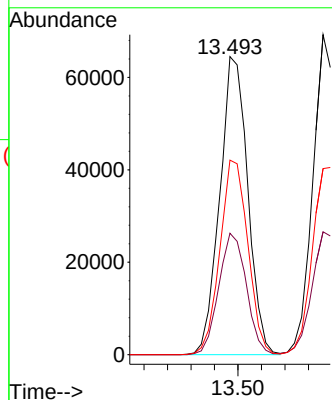
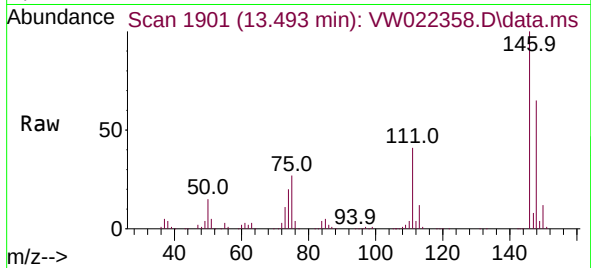




#64
1,3-Dichlorobenzene
Concen: 24.835 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

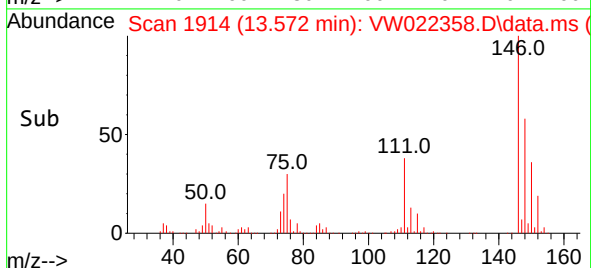
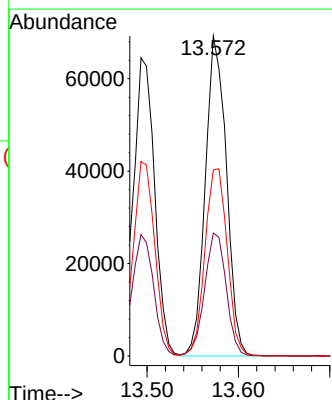
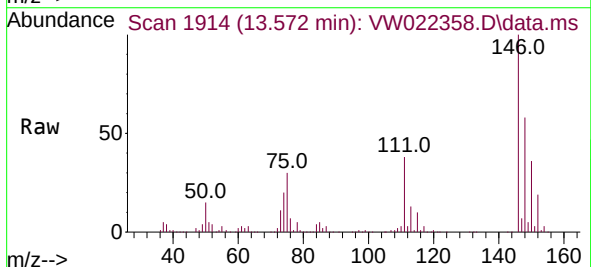
Instrument :
MSVOA_W
ClientSampleId :
VSTD025588

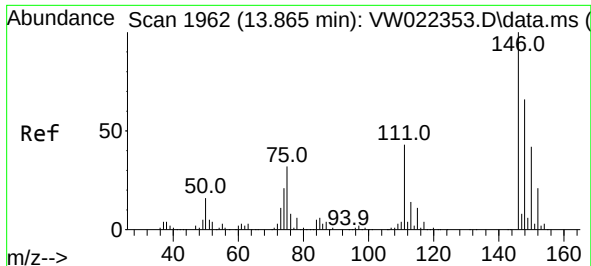
Tgt Ion:146 Resp: 106851
Ion Ratio Lower Upper
146 100
111 40.7 26.9 49.9
148 65.3 41.6 77.2



#65
1,4-Dichlorobenzene
Concen: 25.734 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW022358.D
Acq: 16 Mar 2022 16:32

Tgt Ion:146 Resp: 110951
Ion Ratio Lower Upper
146 100
111 38.4 27.5 51.1
148 58.1 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 26.488 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

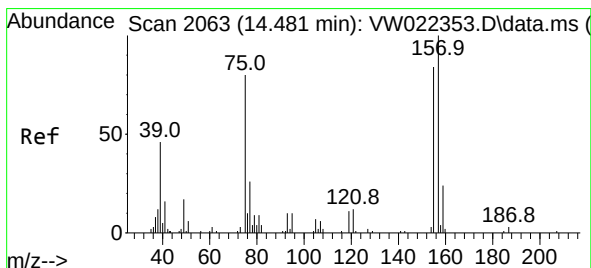
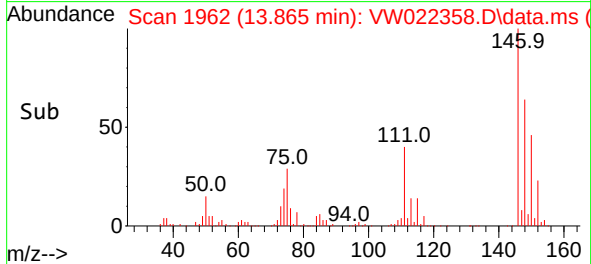
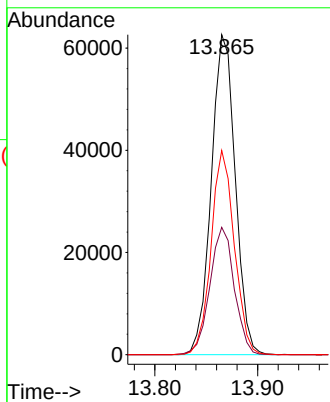
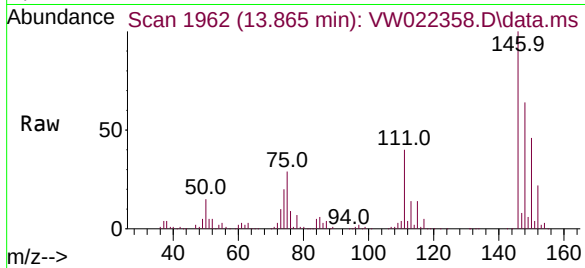
Tgt Ion:146 Resp: 101321

Ion Ratio Lower Upper

146 100

111 39.8 34.8 52.2

148 63.8 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 24.927 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

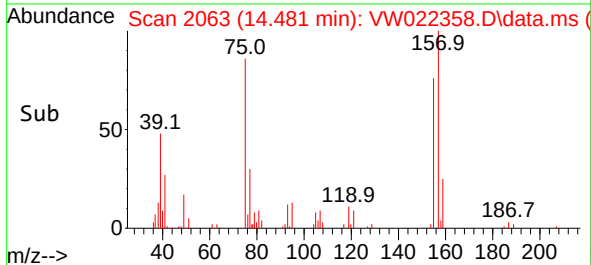
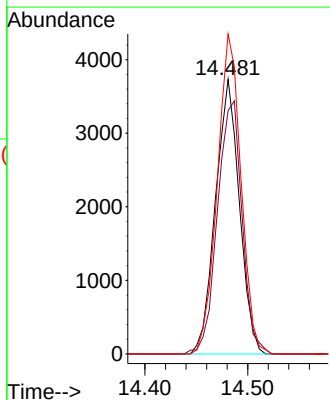
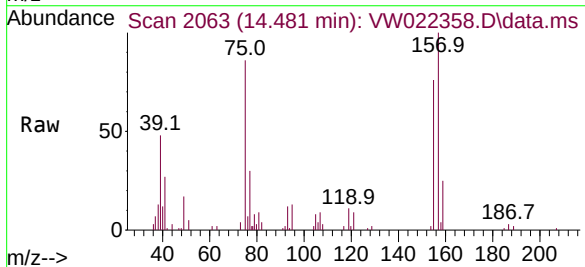
Tgt Ion: 75 Resp: 6009

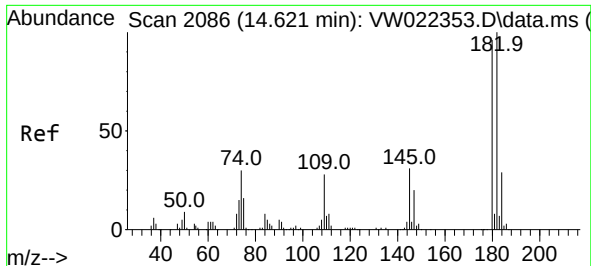
Ion Ratio Lower Upper

75 100

155 88.6 58.2 87.2#

157 116.6 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 20.151 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.506 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

Tgt Ion:180 Resp: 62227

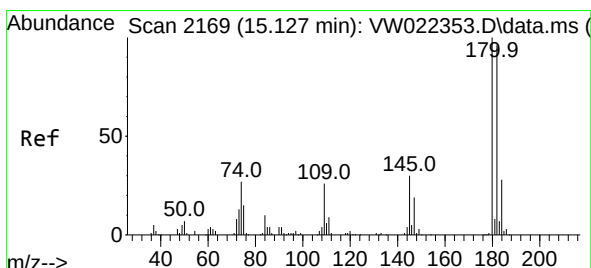
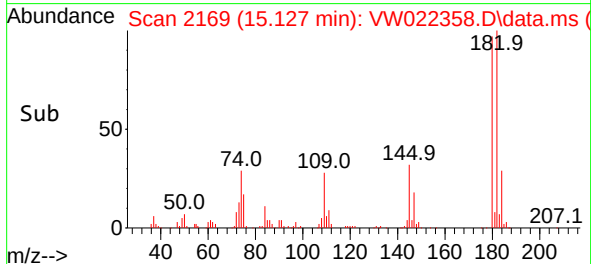
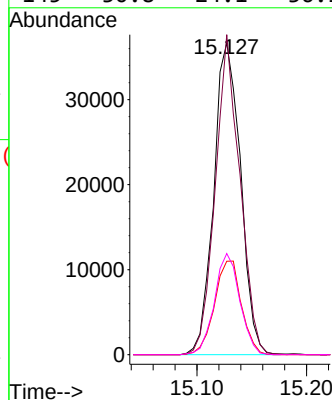
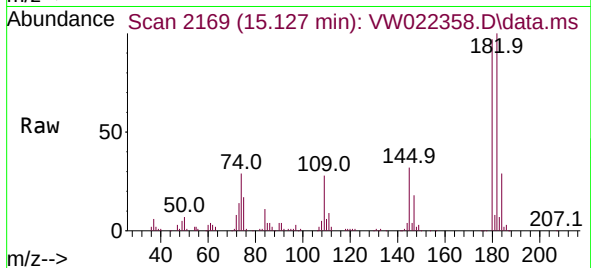
Ion Ratio Lower Upper

180 100

182 93.9 69.4 104.0

184 30.3 21.8 32.8

145 30.8 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 26.632 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

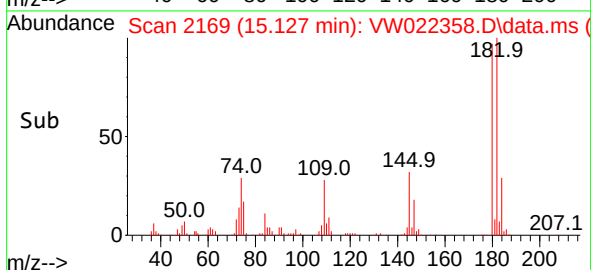
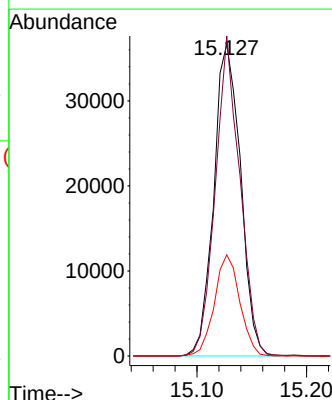
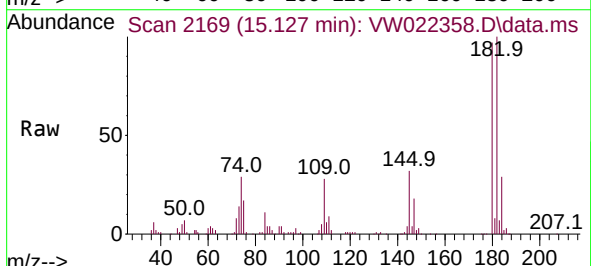
Tgt Ion:180 Resp: 62227

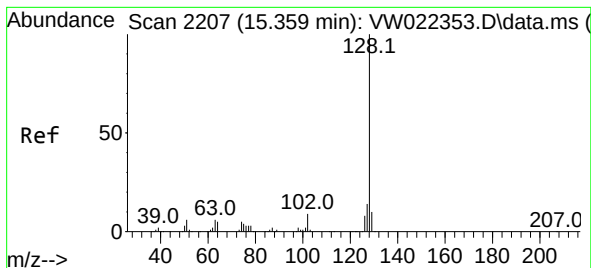
Ion Ratio Lower Upper

180 100

182 93.9 77.8 116.6

145 30.8 25.8 38.6





#71

Naphthalene

Concen: 27.468 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD025588

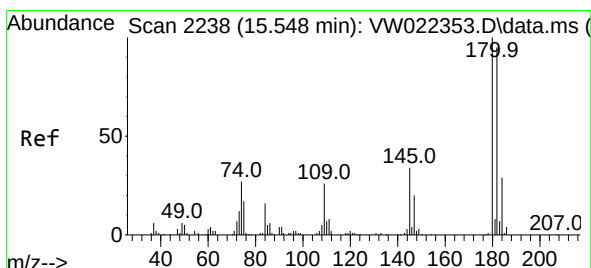
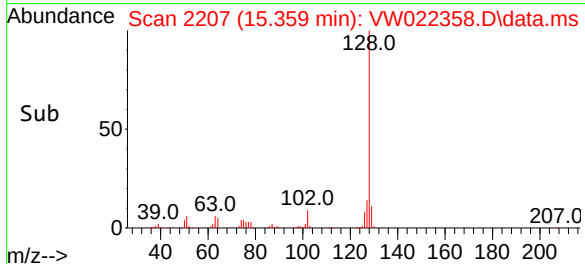
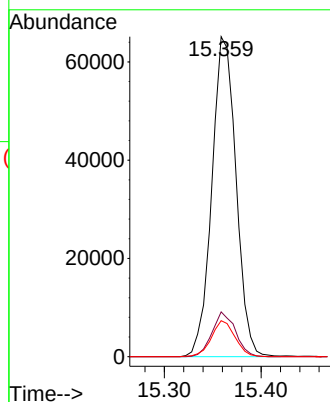
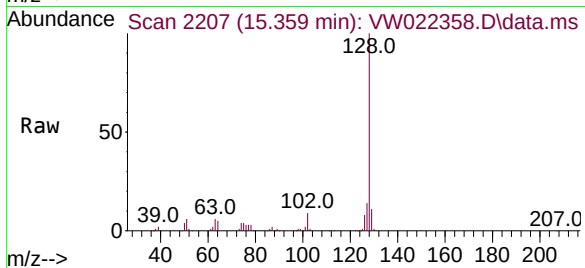
Tgt Ion:128 Resp: 113297

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.6

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 26.671 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW022358.D

Acq: 16 Mar 2022 16:32

Tgt Ion:180 Resp: 53902

Ion Ratio Lower Upper

180 100

182 99.3 79.0 118.4

145 33.2 28.0 42.0

