

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022522\
 Data File : VW022147.D
 Acq On : 25 Feb 2022 09:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025567

Quant Time: Feb 28 01:03:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 25 04:49:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	160661	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	147608	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	80724	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	44806	21.382	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.520%
7) Chloroethane-d5	2.891	69	32386	19.642	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.560%
11) 1,1-Dichloroethene-d2	4.025	63	70317	21.912	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.640%
21) 2-Butanone-d5	7.086	46	18230	51.741	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.480%
24) Chloroform-d	7.653	84	81786	22.816	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	8.311	65	42729	22.932	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.720%
32) Benzene-d6	8.275	84	152305	22.171	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.274	67	42953	22.515	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.040%
41) Toluene-d8	10.323	98	148127	21.689	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.760%
43) trans-1,3-Dichloroprop...	10.579	79	18720	22.131	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.520%
47) 2-Hexanone-d5	10.927	63	17071	54.405	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.820%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	42594	25.440	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.760%
66) 1,2-Dichlorobenzene-d4	13.853	152	58413	22.529	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.120%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.020	85	9330	20.779	ug/L	92
3) Chloromethane	2.221	50	37433	24.329	ug/L	96
5) Vinyl chloride	2.367	62	55756	24.118	ug/L	100
6) Bromomethane	2.788	94	42479	26.310	ug/L	93
8) Chloroethane	2.928	64	28628	22.044	ug/L	99
9) Trichlorofluoromethane	3.269	101	52658	33.550	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	44763	23.376	ug/L	96
12) 1,1-Dichloroethene	4.050	96	38883	23.429	ug/L	92
13) Acetone	4.147	43	17916	62.259	ug/L	95
14) Carbon disulfide	4.391	76	93739	21.786	ug/L	99
15) Methyl Acetate	4.678	43	16127	24.893	ug/L	96
16) Methylene chloride	4.922	84	42171	21.384	ug/L	94
17) trans-1,2-Dichloroethene	5.434	96	43955	24.113	ug/L	96
18) Methyl tert-butyl Ether	5.434	73	63623	25.654	ug/L	99
19) 1,1-Dichloroethane	6.226	63	73852	25.025	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	48945	24.786	ug/L	91
22) 2-Butanone	7.183	43	24524	59.326	ug/L	98
23) Bromochloromethane	7.513	128	24067	24.950	ug/L	97
25) Chloroform	7.683	83	85457	24.818	ug/L	96

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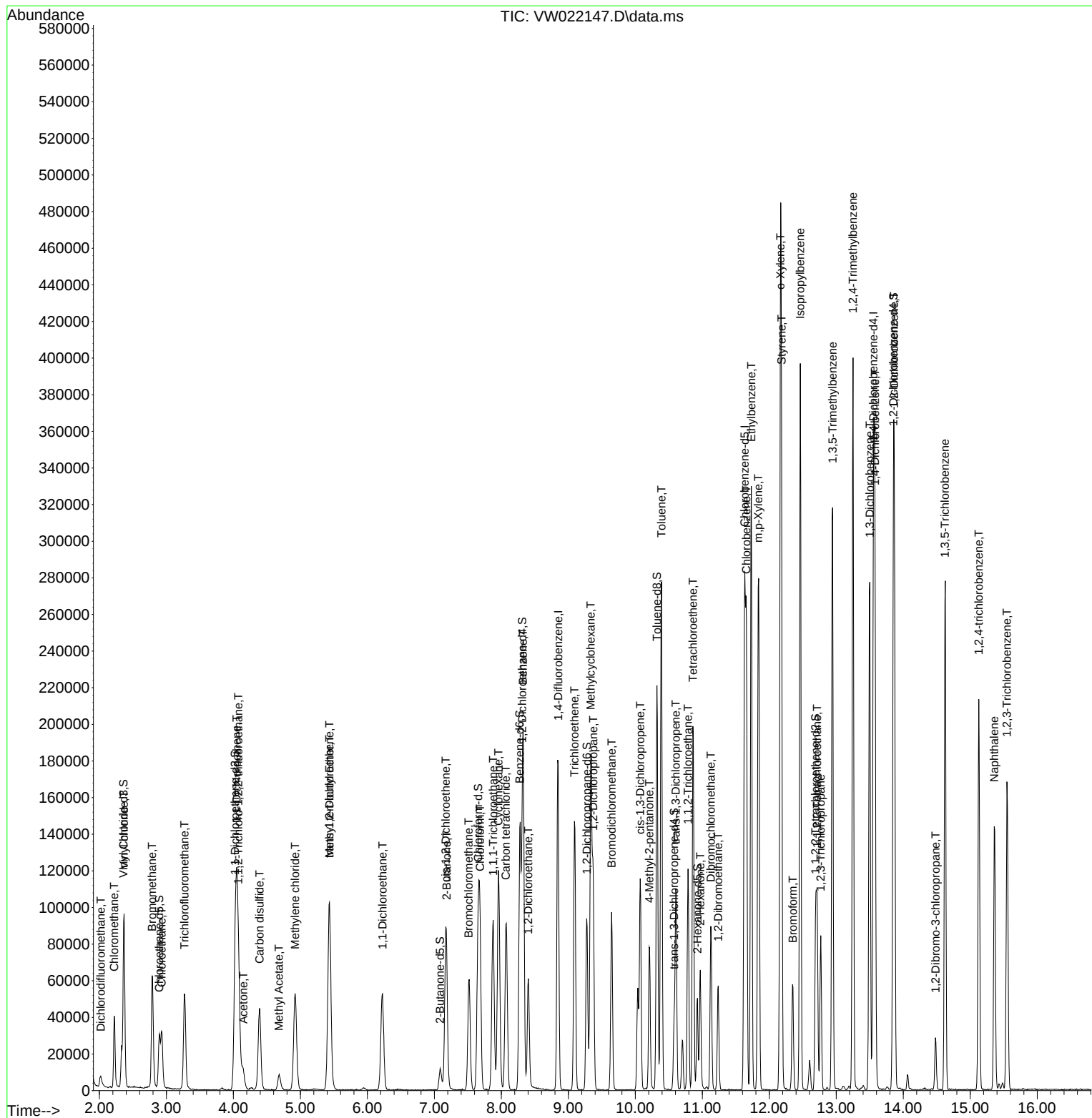
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	53403	25.180	ug/L	99
29) Cyclohexane	7.958	56	63605	25.893	ug/L	99
30) 1,1,1-Trichloroethane	7.878	97	75632	25.468	ug/L	99
31) Carbon tetrachloride	8.067	117	70802	25.086	ug/L	99
33) Benzene	8.323	78	177207	24.831	ug/L	100
34) Trichloroethene	9.092	95	49167	24.062	ug/L	98
35) Methylcyclohexane	9.335	83	79717	25.222	ug/L	99
37) 1,2-Dichloropropane	9.372	63	41621	24.999	ug/L	99
38) Bromodichloromethane	9.646	83	60593	25.379	ug/L	96
39) cis-1,3-Dichloropropene	10.073	75	66715	26.362	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	48546	53.994	ug/L	100
42) Toluene	10.390	91	202998	25.133	ug/L	96
44) trans-1,3-Dichloropropene	10.603	75	59609	26.211	ug/L	100
45) 1,1,2-Trichloroethane	10.786	97	36617	24.803	ug/L	92
46) Tetrachloroethene	10.860	164	43459	24.279	ug/L	93
48) 2-Hexanone	10.969	43	38674	61.975	ug/L	99
49) Dibromochloromethane	11.128	129	46409	25.879	ug/L	99
50) 1,2-Dibromoethane	11.238	107	35811	25.148	ug/L	96
51) Chlorobenzene	11.658	112	137079	24.386	ug/L	98
52) Ethylbenzene	11.731	91	231824	25.934	ug/L	97
53) m,p-Xylene	11.835	106	94774	25.766	ug/L	97
54) o-Xylene	12.164	106	89435	25.841	ug/L	89
55) Styrene	12.182	104	152982	26.367	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	43814	25.578	ug/L	99
59) Bromoform	12.353	173	26043	24.396	ug/L #	93
60) Isopropylbenzene	12.463	105	249079	25.704	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	32077	25.177	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	169806	26.352	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	209889	26.653	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	120801	25.130	ug/L	96
65) 1,4-Dichlorobenzene	13.579	146	118317	24.561	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	107587	25.173	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	6457	23.974	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.621	180	85790	24.865	ug/L	92
70) 1,2,4-trichlorobenzene	15.127	180	66340	25.412	ug/L	97
71) Naphthalene	15.359	128	128925	27.975	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	55322	24.500	ug/L	98

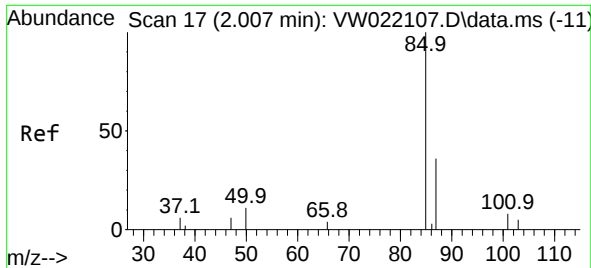
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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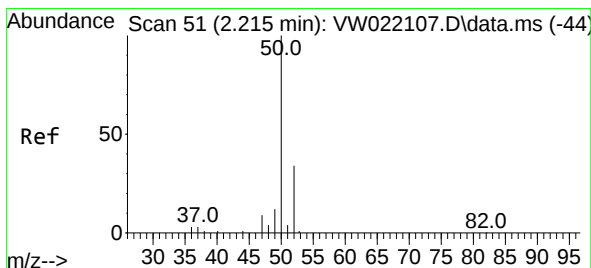
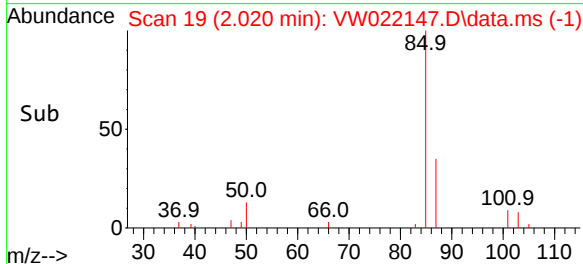
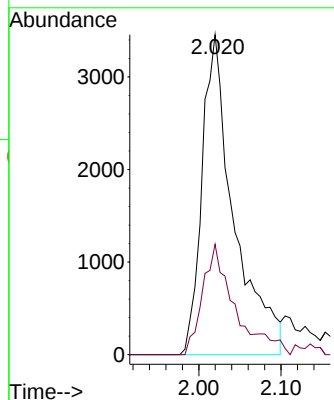
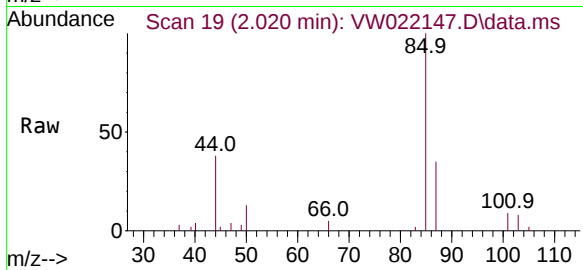




#2
 Dichlorodifluoromethane
 Concen: 20.779 ug/L
 RT: 2.020 min Scan# 19
 Delta R.T. 0.012 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

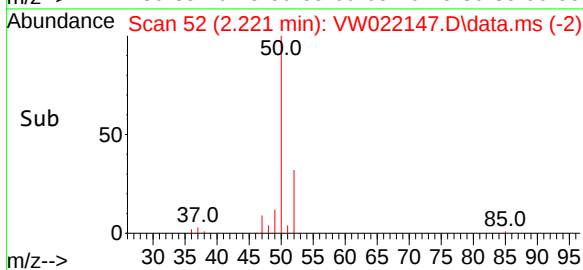
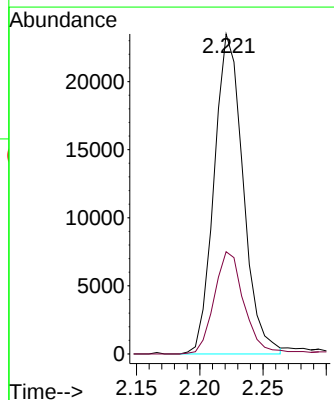
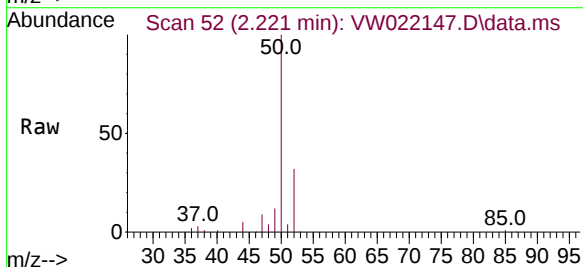
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 MSVOA_W
 ClientSampleId :
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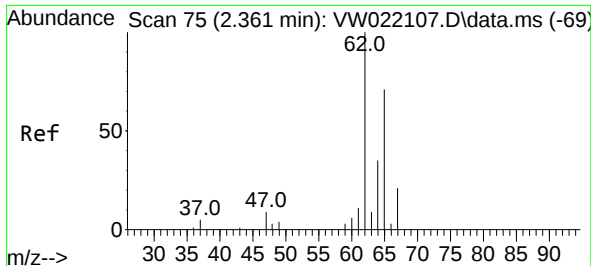
Tgt Ion: 85 Resp: 9330
 Ion Ratio Lower Upper
 85 100
 87 29.9 27.6 41.4



#3
 Chloromethane
 Concen: 24.329 ug/L
 RT: 2.221 min Scan# 52
 Delta R.T. 0.006 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

Tgt Ion: 50 Resp: 37433
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.9 44.5

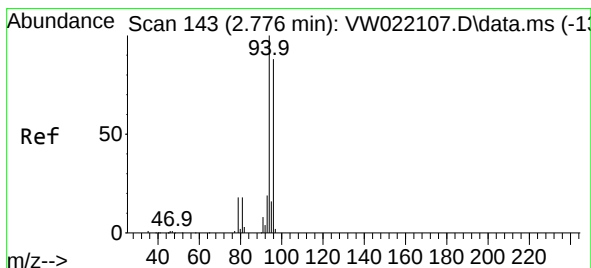
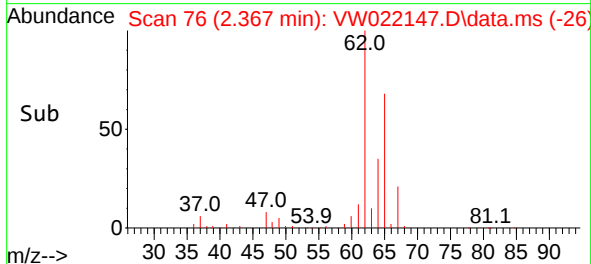
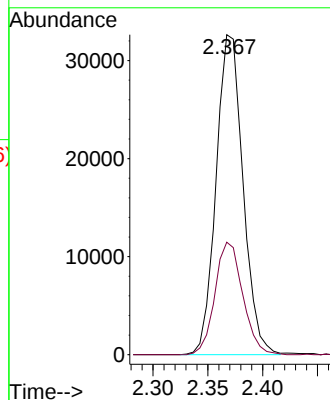
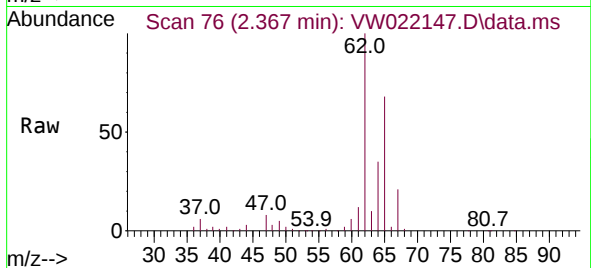




#5
 Vinyl chloride
 Concen: 24.118 ug/L
 RT: 2.367 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

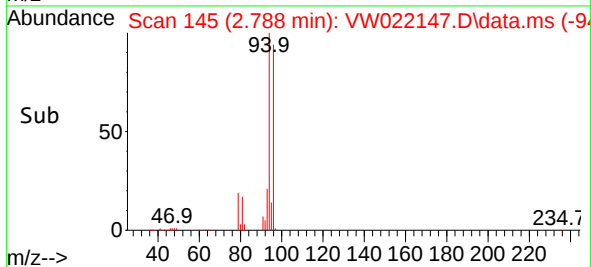
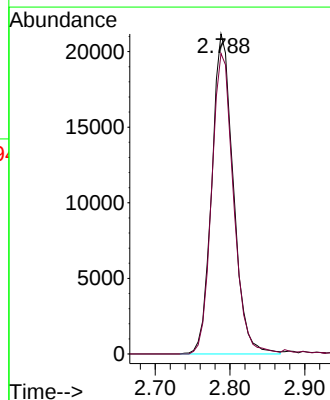
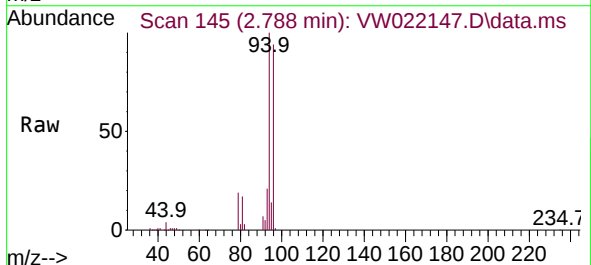
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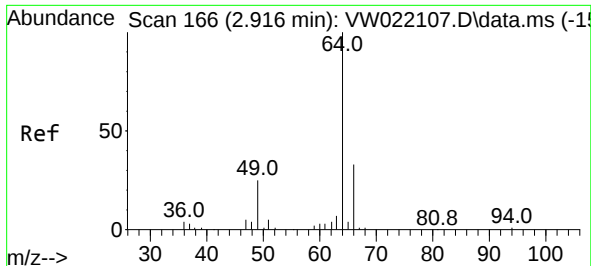
Tgt Ion: 62 Resp: 55756
 Ion Ratio Lower Upper
 62 100
 64 35.2 24.7 45.9



#6
 Bromomethane
 Concen: 26.310 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. 0.012 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

Tgt Ion: 94 Resp: 42479
 Ion Ratio Lower Upper
 94 100
 96 93.9 61.2 113.8

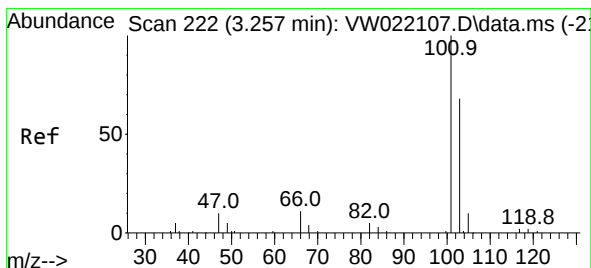
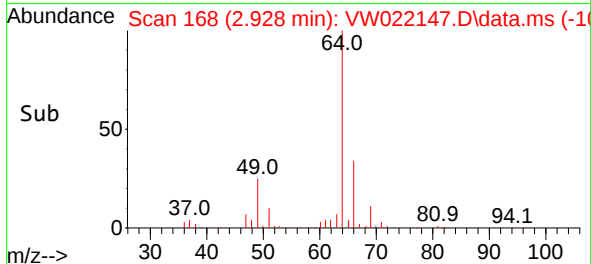
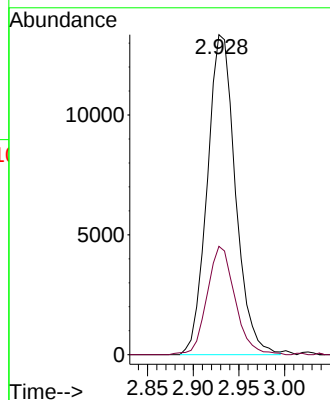
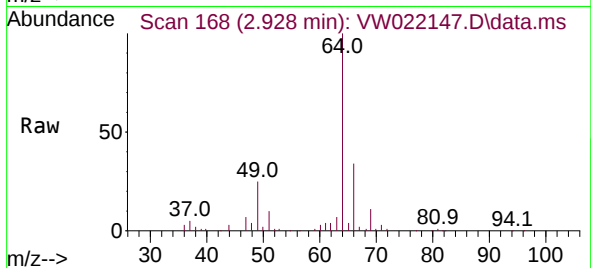




#8
Chloroethane
Concen: 22.044 ug/L
RT: 2.928 min Scan# 1
Delta R.T. 0.012 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

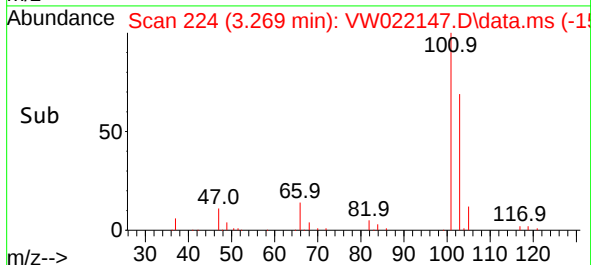
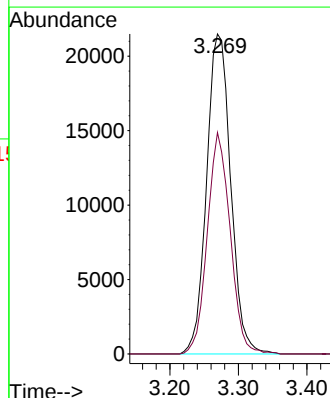
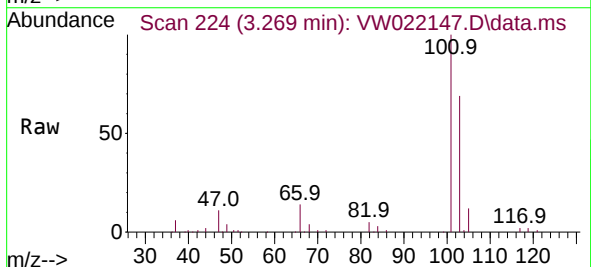
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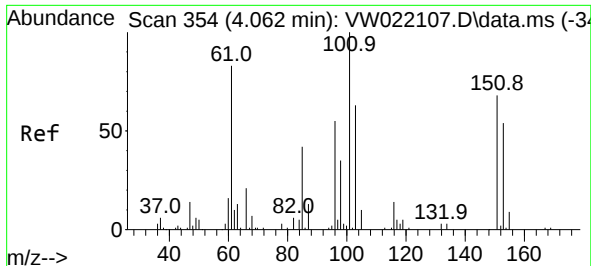
Tgt Ion: 64 Resp: 28628
Ion Ratio Lower Upper
64 100
66 33.8 23.2 43.0



#9
Trichlorofluoromethane
Concen: 33.550 ug/L
RT: 3.269 min Scan# 224
Delta R.T. 0.012 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 101 Resp: 52658
Ion Ratio Lower Upper
101 100
103 65.5 53.2 79.8

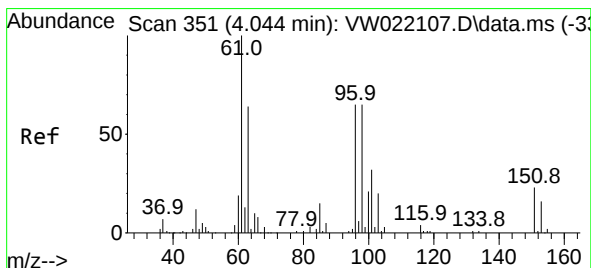
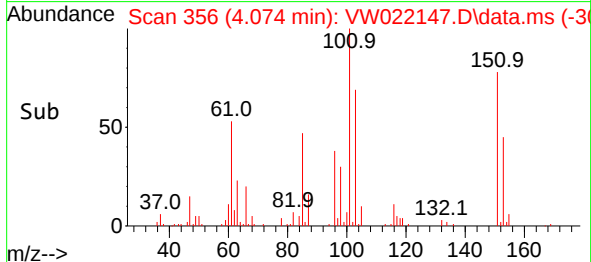
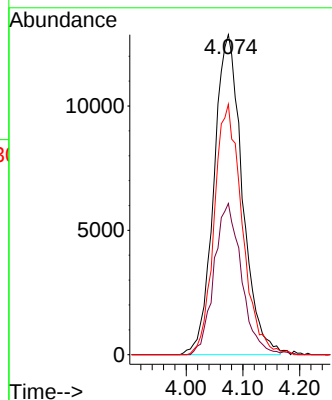
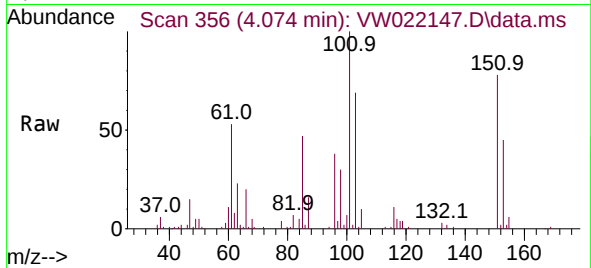




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.376 ug/L
 RT: 4.074 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

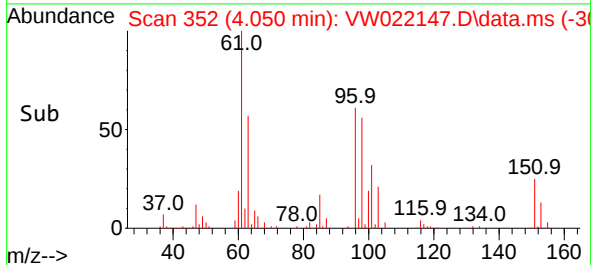
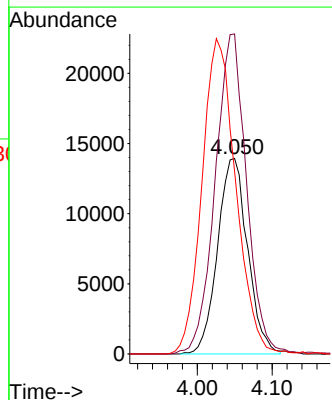
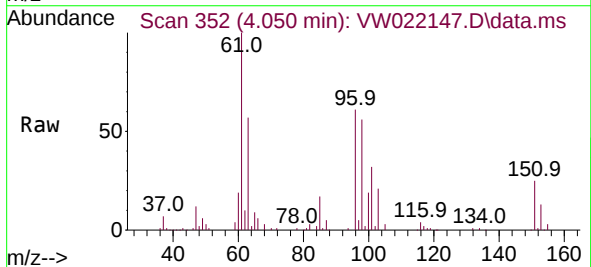
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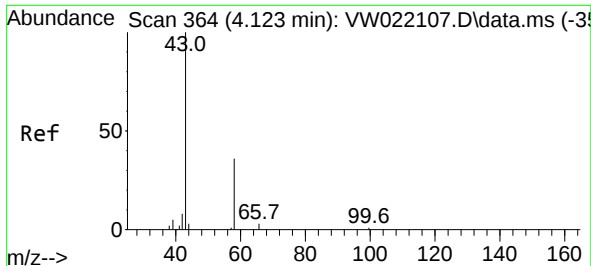
Tgt Ion:101 Resp: 44763
 Ion Ratio Lower Upper
 101 100
 85 45.5 34.4 51.6
 151 76.6 59.0 88.4



#12
 1,1-Dichloroethene
 Concen: 23.429 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.012 min
 Lab File: VW022147.D
 Acq: 25 Feb 2022 09:18

Tgt Ion: 96 Resp: 38883
 Ion Ratio Lower Upper
 96 100
 61 163.7 108.4 201.2
 63 93.5 72.0 133.6





#13

Acetone

Concen: 62.259 ug/L

RT: 4.147 min Scan# 3

Delta R.T. 0.018 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

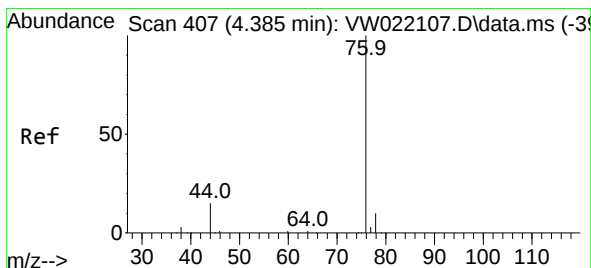
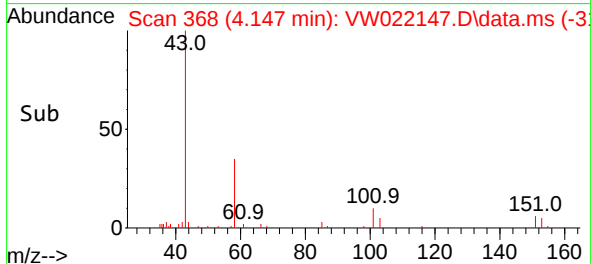
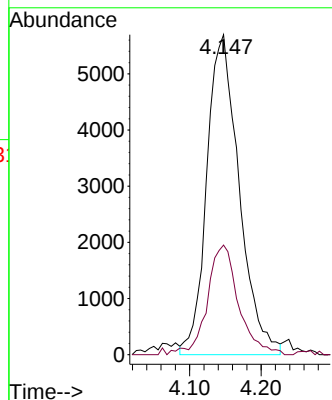
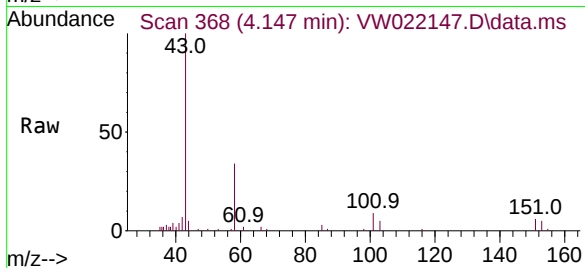
VSTD025567

Tgt Ion: 43 Resp: 17916

Ion Ratio Lower Upper

43 100

58 31.8 0.0 69.2



#14

Carbon disulfide

Concen: 21.786 ug/L

RT: 4.391 min Scan# 408

Delta R.T. 0.012 min

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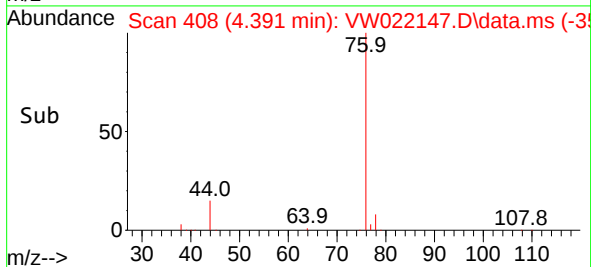
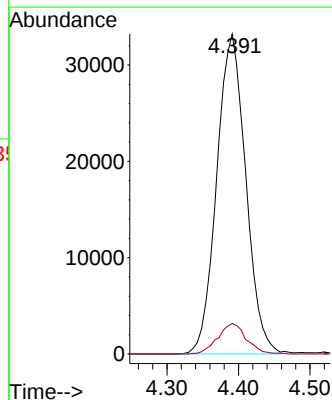
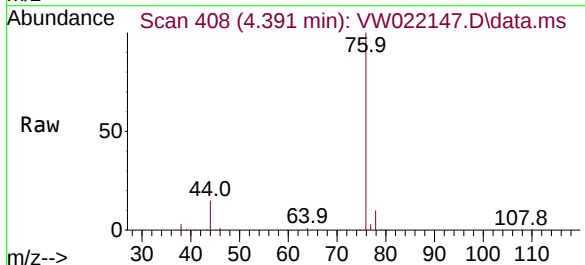
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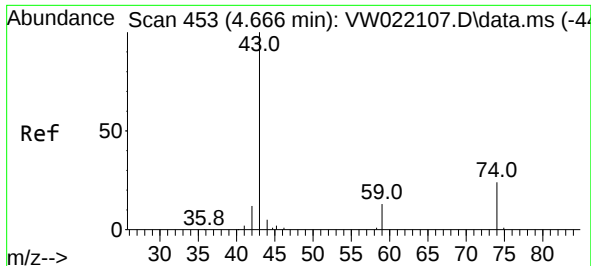
Tgt Ion: 76 Resp: 93739

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8

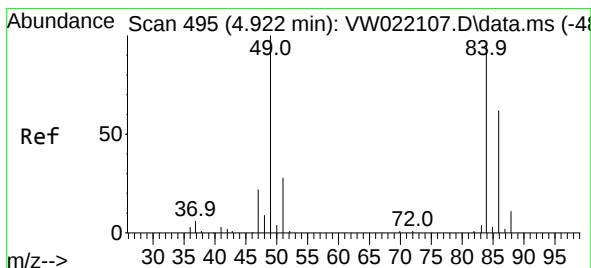
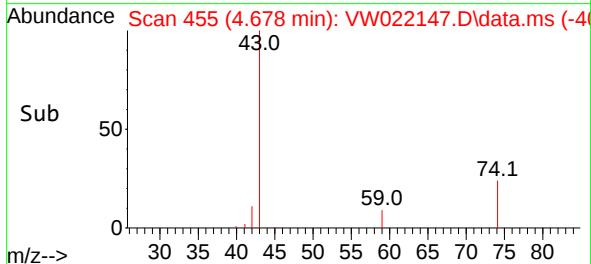
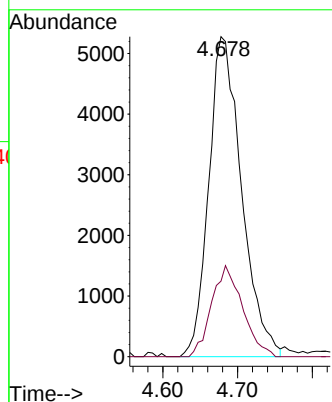
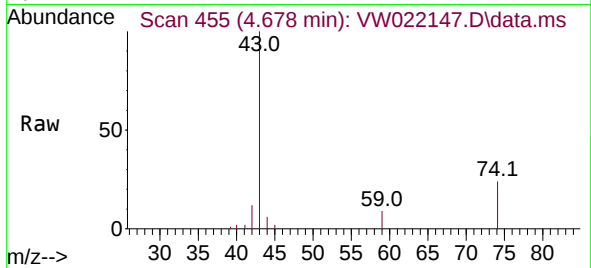




#15
Methyl Acetate
Concen: 24.893 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

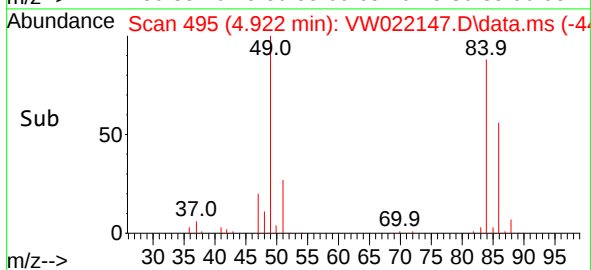
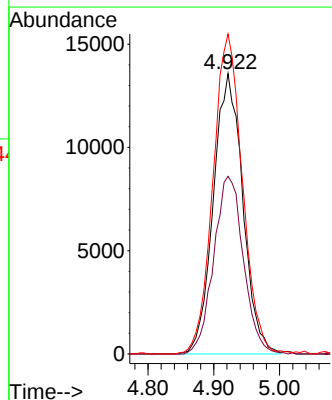
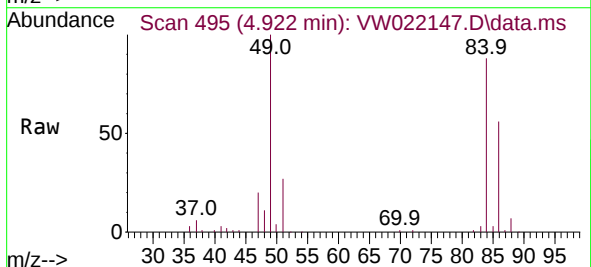
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

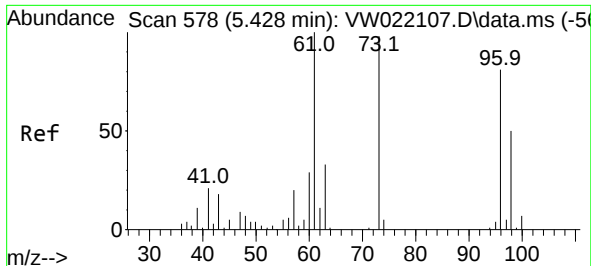
Tgt Ion: 43 Resp: 16127
Ion Ratio Lower Upper
43 100
74 26.8 23.0 34.6



#16
Methylene chloride
Concen: 21.384 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 84 Resp: 42171
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.0
49 114.1 73.8 137.0





#17

trans-1,2-Dichloroethene

Concen: 24.113 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.012 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

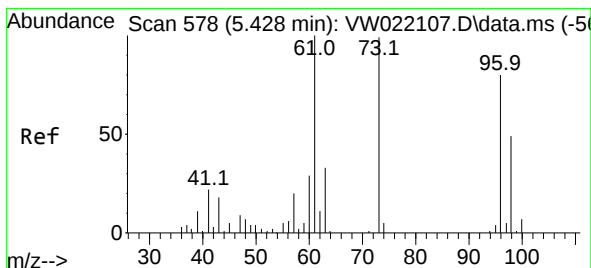
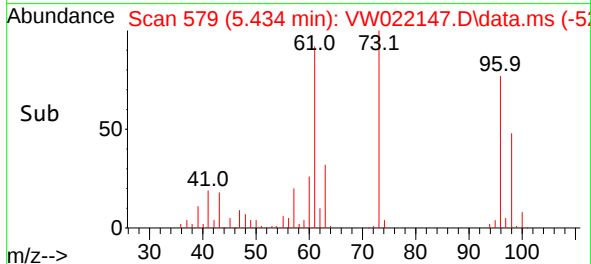
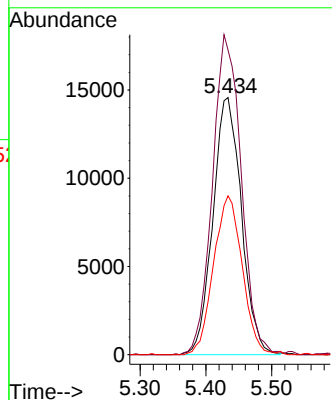
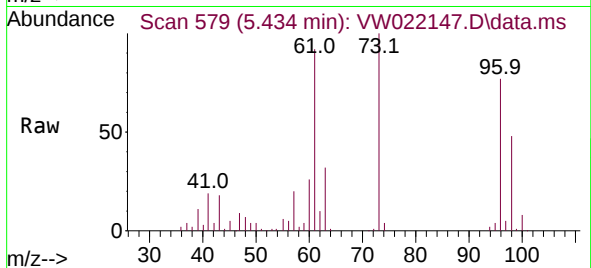
Tgt Ion: 96 Resp: 43955

Ion Ratio Lower Upper

96 100

61 118.4 87.3 162.1

98 61.8 43.2 80.2



#18

Methyl tert-butyl Ether

Concen: 25.654 ug/L

RT: 5.434 min Scan# 579

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

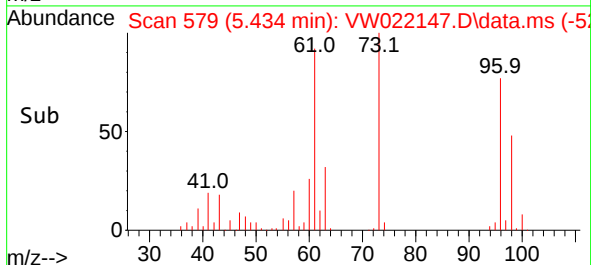
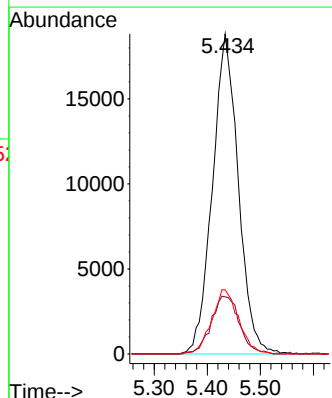
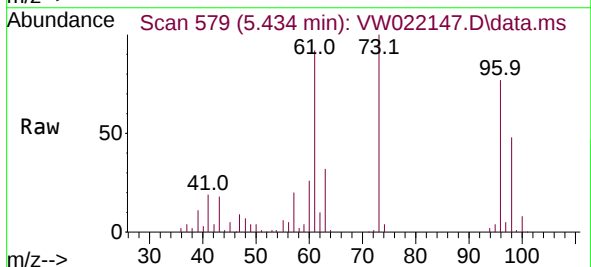
Tgt Ion: 73 Resp: 63623

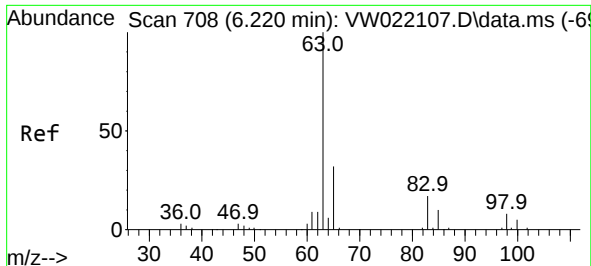
Ion Ratio Lower Upper

73 100

43 19.9 15.4 23.2

57 20.7 16.5 24.7





#19

1,1-Dichloroethane

Concen: 25.025 ug/L

RT: 6.226 min Scan# 708

Delta R.T. 0.012 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

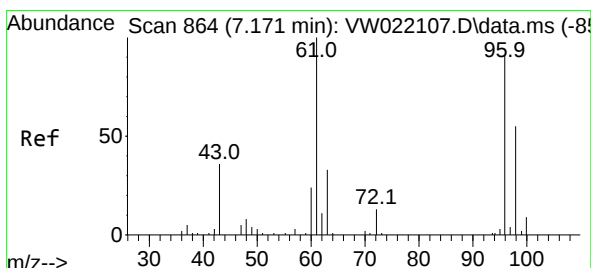
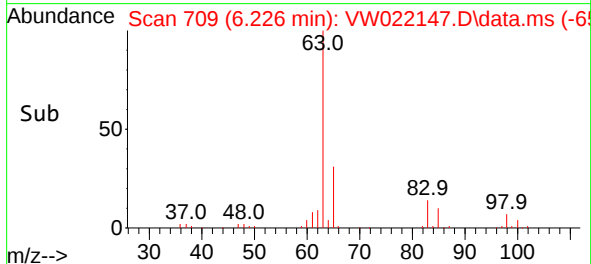
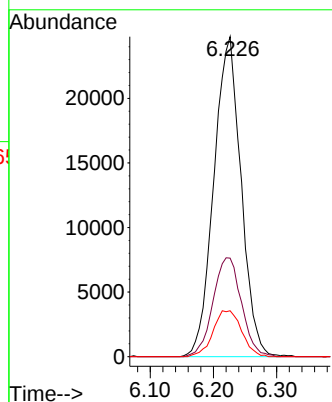
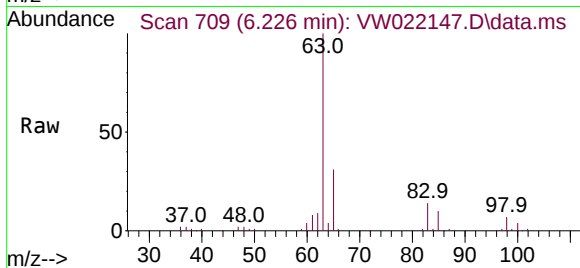
Tgt Ion: 63 Resp: 73852

Ion Ratio Lower Upper

63 100

65 30.8 22.5 41.9

83 14.4 11.5 21.5



#20

cis-1,2-Dichloroethene

Concen: 24.786 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

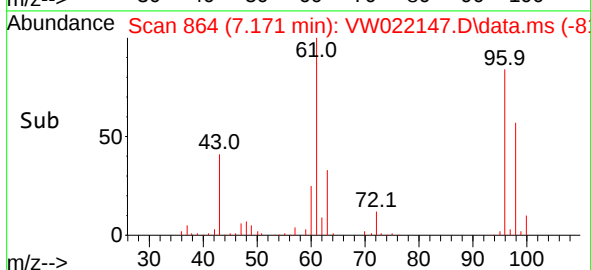
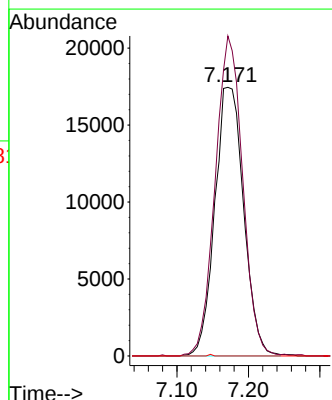
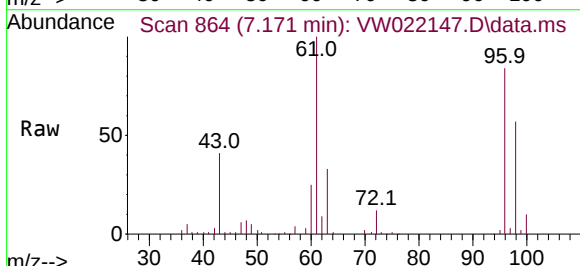
Tgt Ion: 96 Resp: 48945

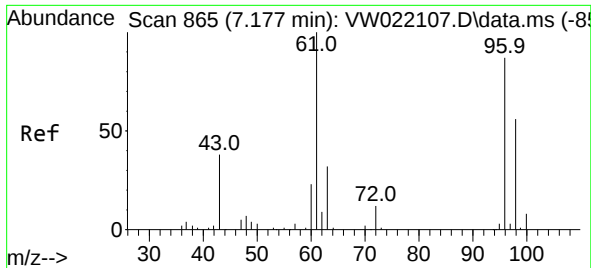
Ion Ratio Lower Upper

96 100

61 119.1 76.8 142.6

68 0.0 0.0 0.0

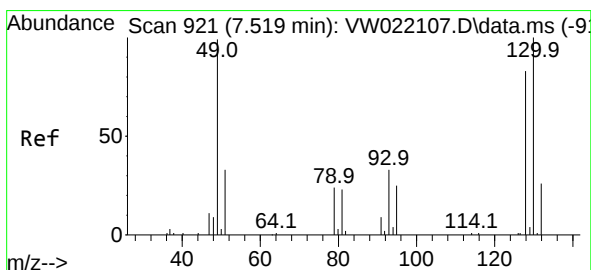
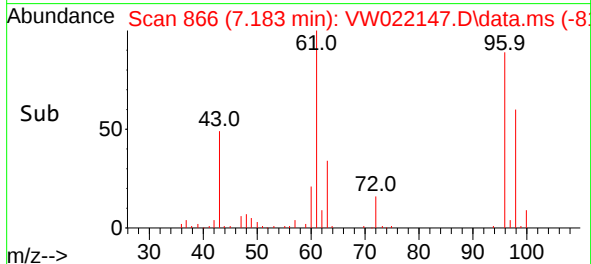
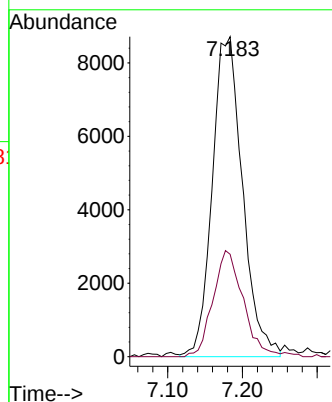
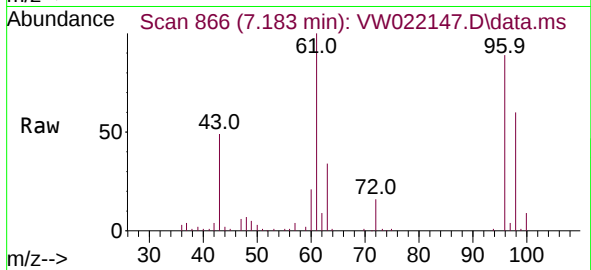




#22
2-Butanone
Concen: 59.326 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

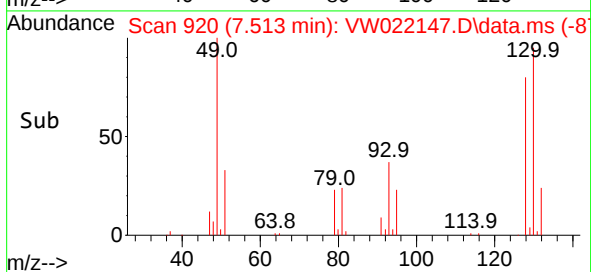
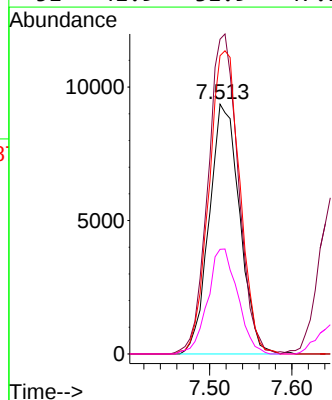
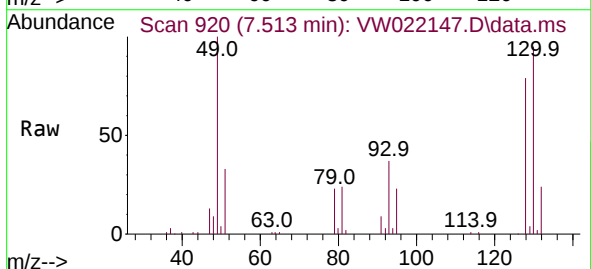
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

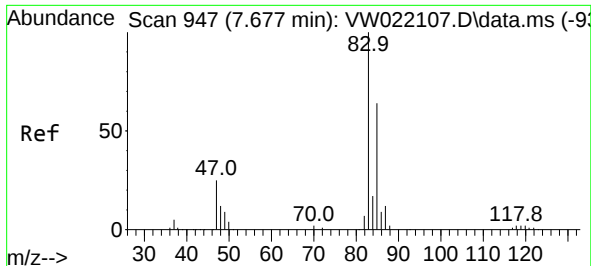
Tgt Ion: 43 Resp: 24524
Ion Ratio Lower Upper
43 100
72 32.9 17.0 51.0



#23
Bromochloromethane
Concen: 24.950 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 128 Resp: 24067
Ion Ratio Lower Upper
128 100
49 126.1 84.2 156.4
130 119.5 84.8 157.4
51 41.9 31.9 47.9

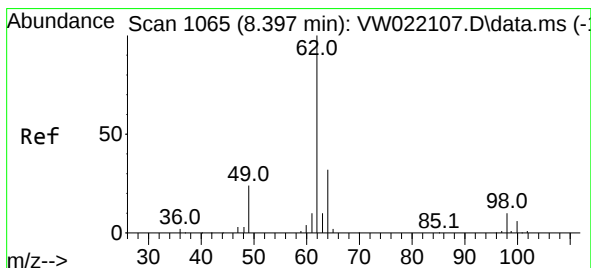
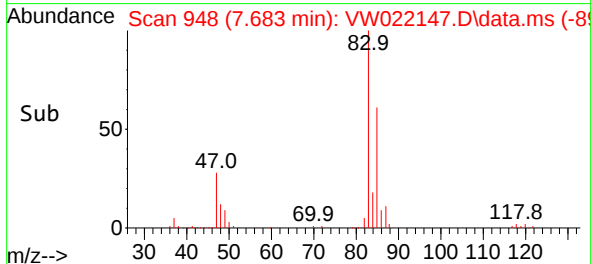
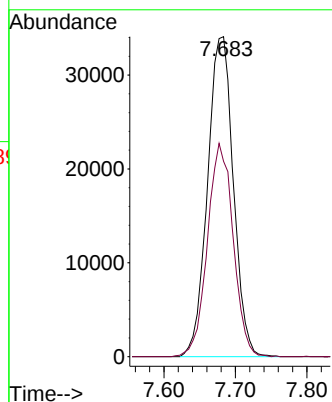
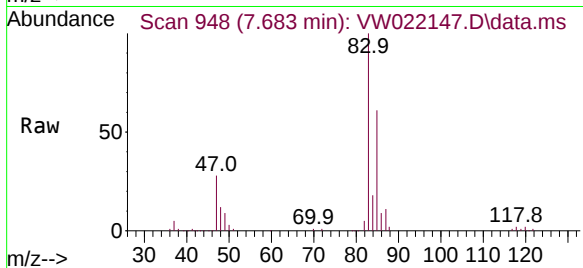




#25
Chloroform
Concen: 24.818 ug/L
RT: 7.683 min Scan# 947
Delta R.T. 0.012 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

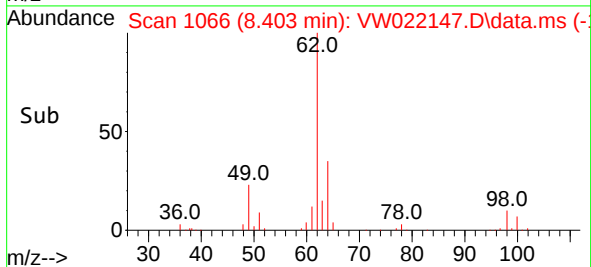
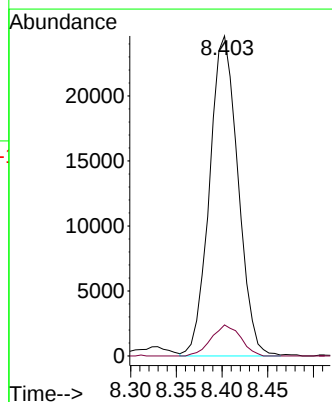
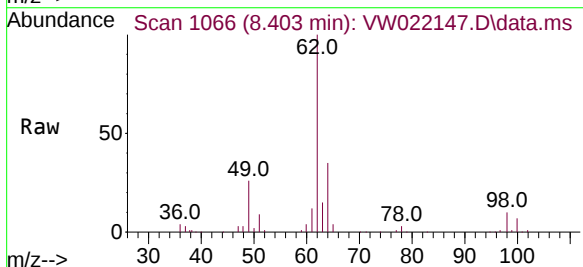
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

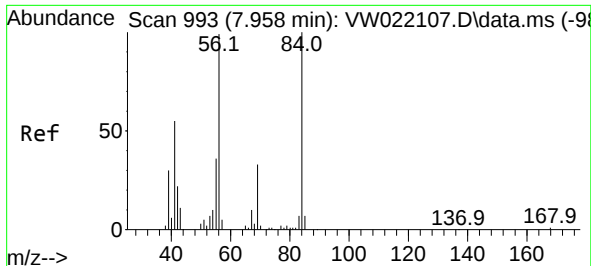
Tgt Ion: 83 Resp: 85457
Ion Ratio Lower Upper
83 100
85 61.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 25.180 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 62 Resp: 53403
Ion Ratio Lower Upper
62 100
98 9.7 7.9 11.9





#29

Cyclohexane

Concen: 25.893 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

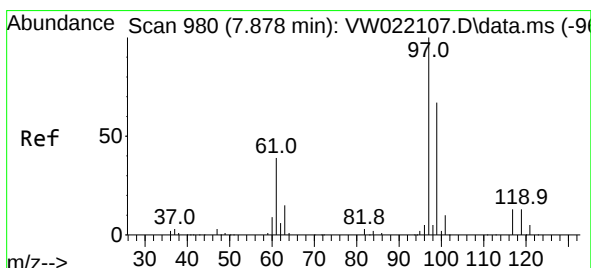
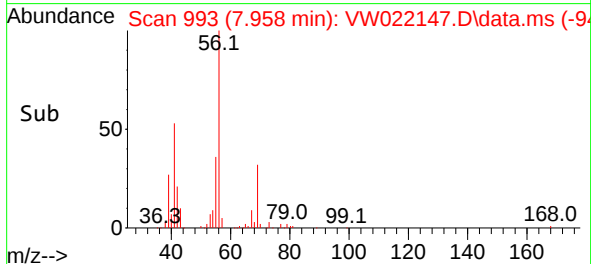
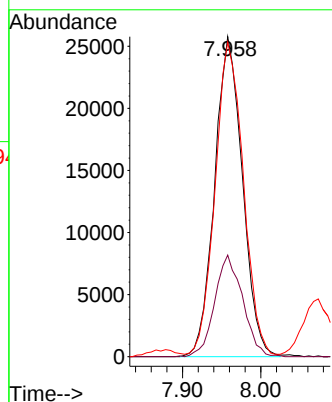
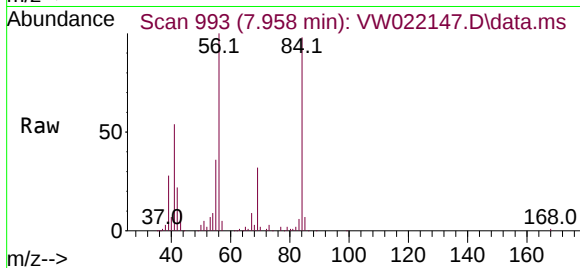
Tgt Ion: 56 Resp: 63605

Ion Ratio Lower Upper

56 100

69 31.9 26.3 39.5

84 100.5 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 25.468 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

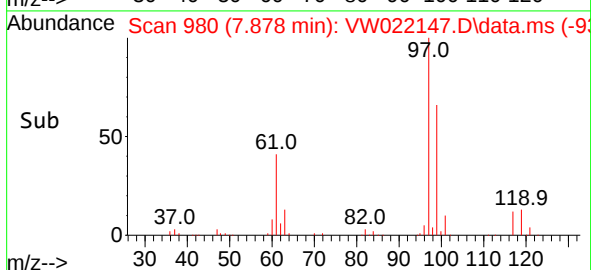
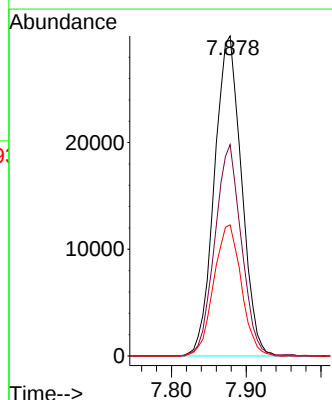
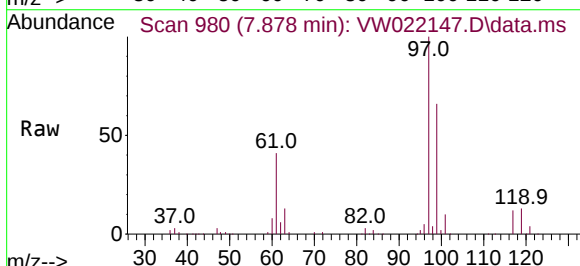
Tgt Ion: 97 Resp: 75632

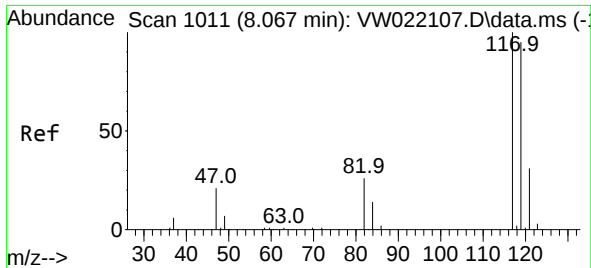
Ion Ratio Lower Upper

97 100

99 64.7 52.6 78.8

61 41.7 33.0 49.6

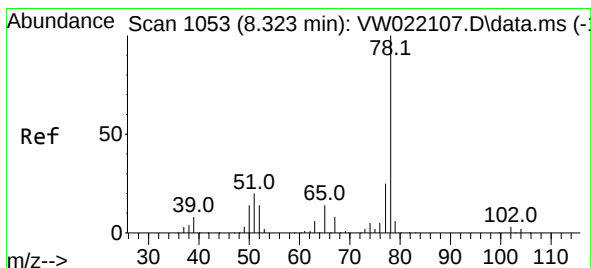
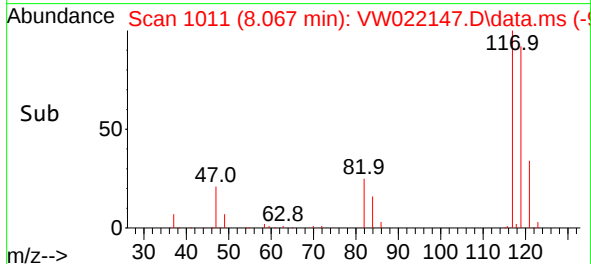
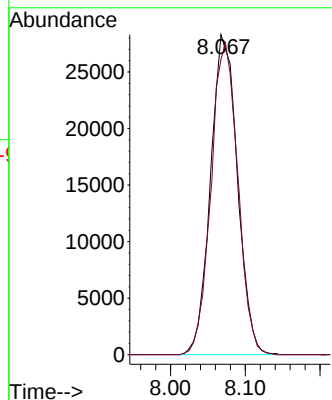
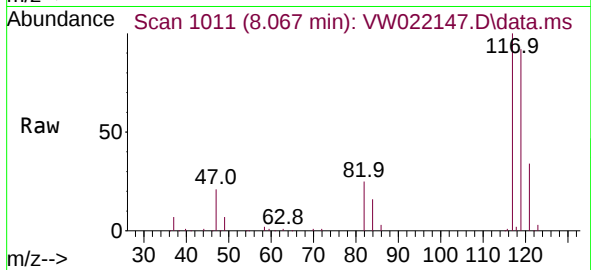




#31
Carbon tetrachloride
Concen: 25.086 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

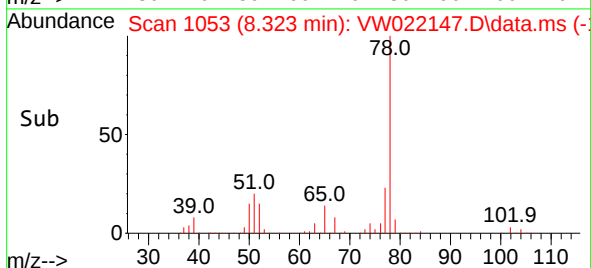
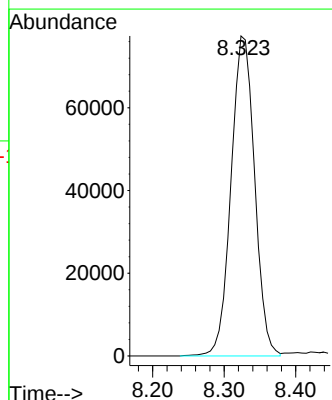
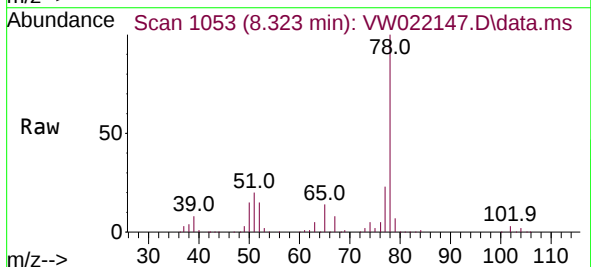
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

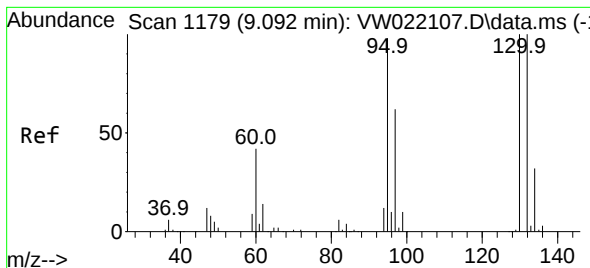
Tgt Ion:117 Resp: 70802
Ion Ratio Lower Upper
117 100
119 97.0 76.7 115.1



#33
Benzene
Concen: 24.831 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 78 Resp: 177207





#34

Trichloroethene

Concen: 24.062 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

Tgt Ion: 95 Resp: 49167

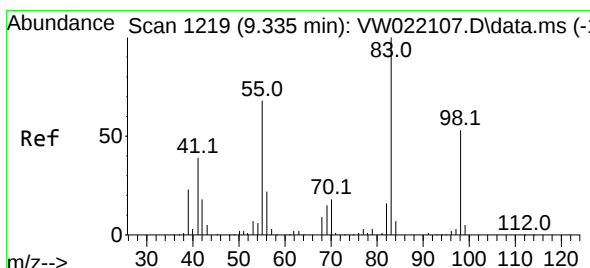
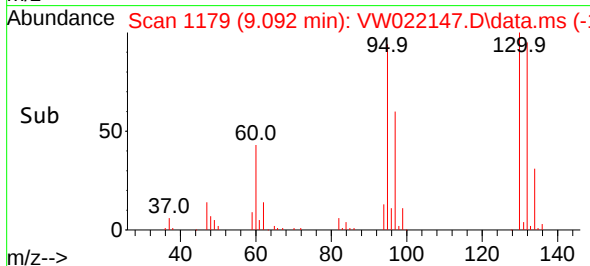
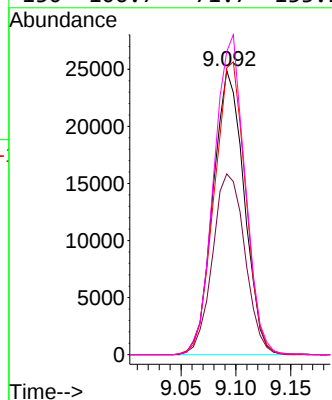
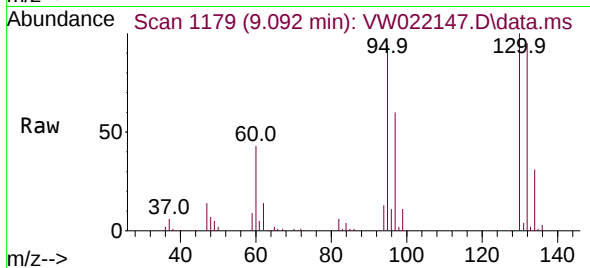
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 101.0 71.7 133.1

130 106.7 71.7 133.1



#35

Methylcyclohexane

Concen: 25.222 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

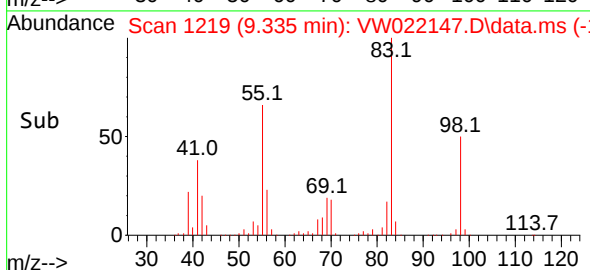
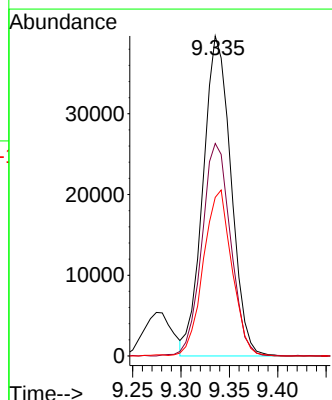
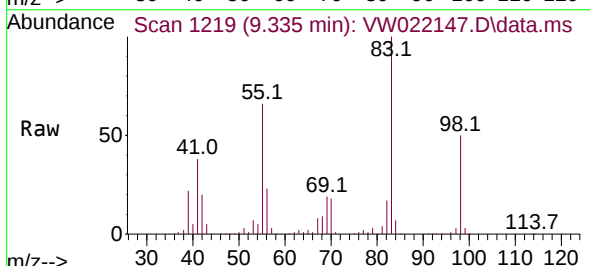
Tgt Ion: 83 Resp: 79717

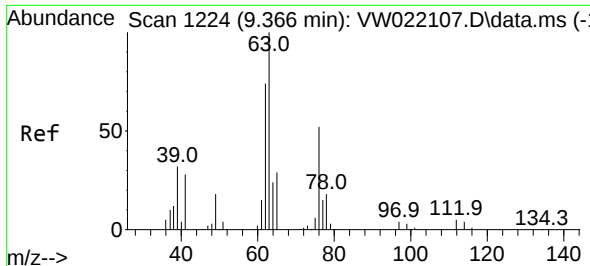
Ion Ratio Lower Upper

83 100

55 68.1 53.8 80.8

98 53.0 42.1 63.1





#37

1,2-Dichloropropane

Concen: 24.999 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

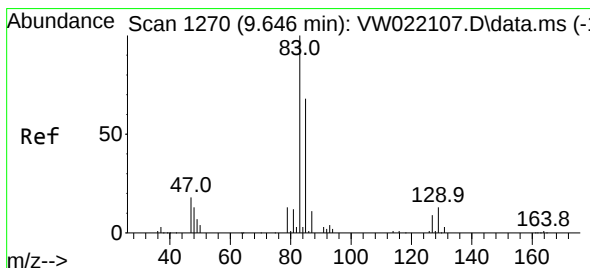
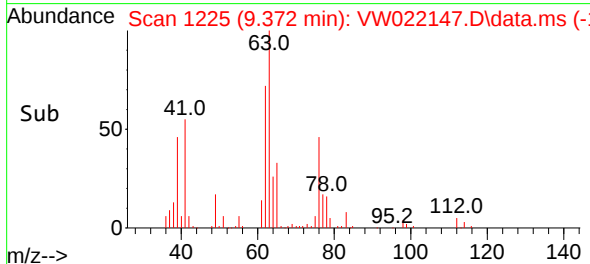
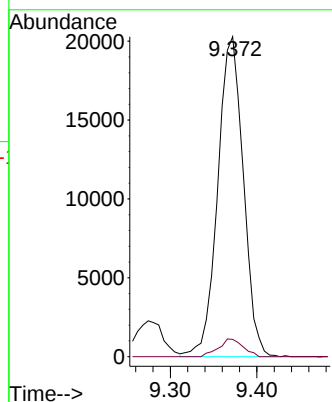
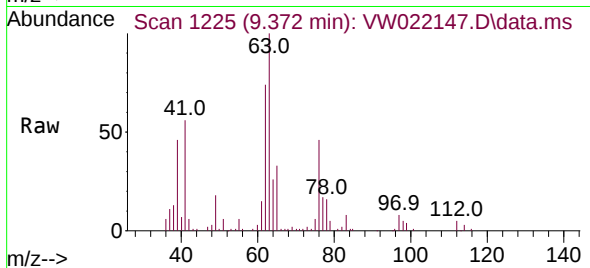
VSTD025567

Tgt Ion: 63 Resp: 41621

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



#38

Bromodichloromethane

Concen: 25.379 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

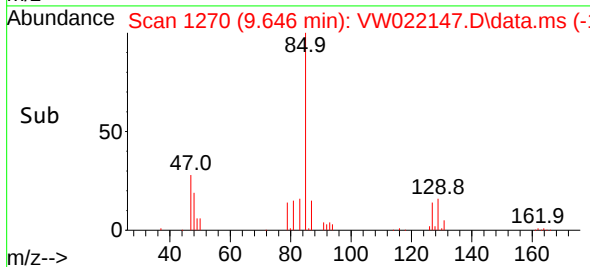
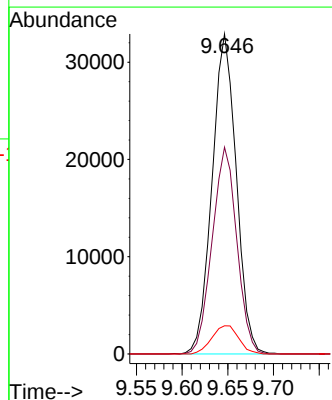
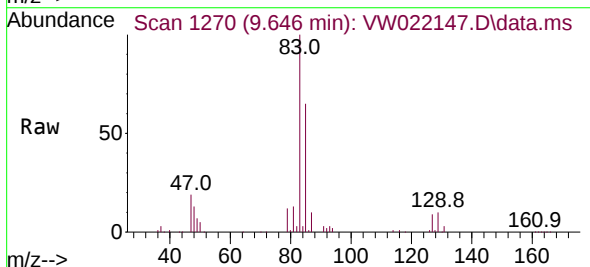
Tgt Ion: 83 Resp: 60593

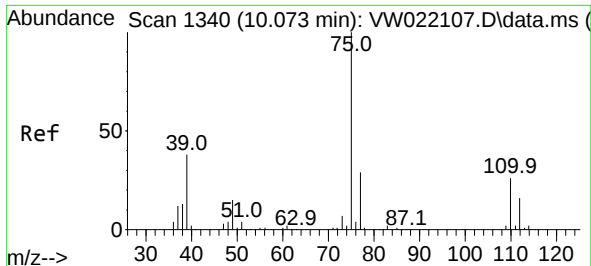
Ion Ratio Lower Upper

83 100

85 64.6 47.9 89.1

127 8.8 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 26.362 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

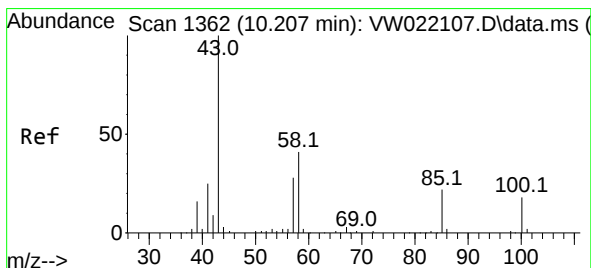
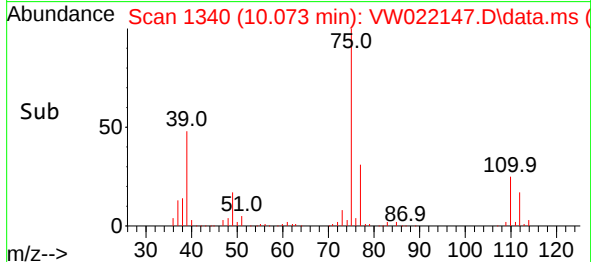
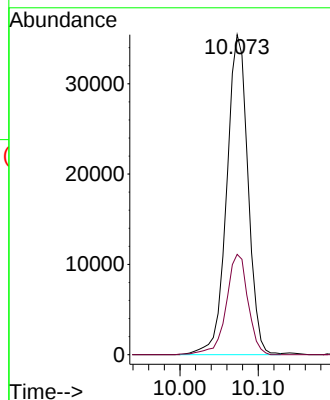
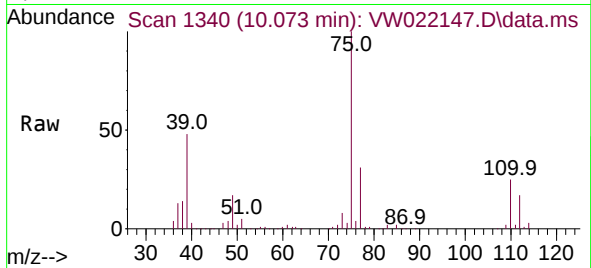
VSTD025567

Tgt Ion: 75 Resp: 66715

Ion Ratio Lower Upper

75 100

77 31.4 20.6 38.2



#40

4-Methyl-2-pentanone

Concen: 53.994 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

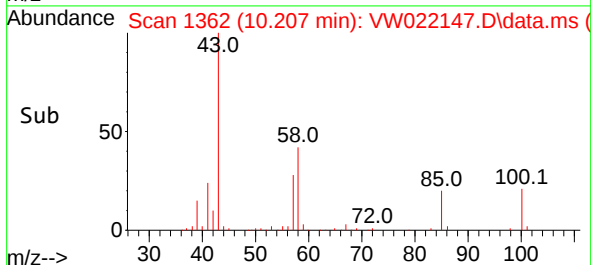
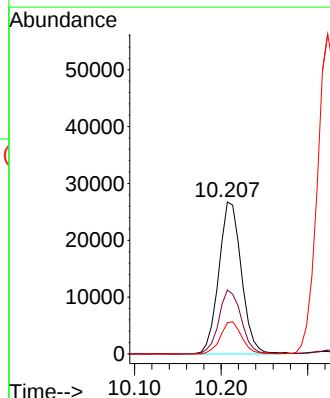
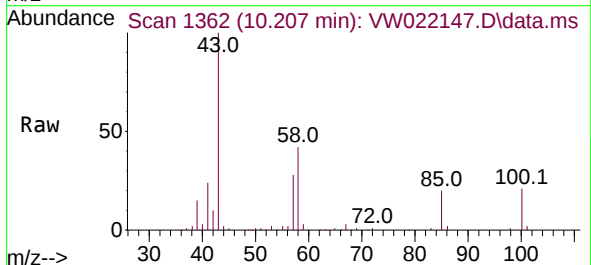
Tgt Ion: 43 Resp: 48546

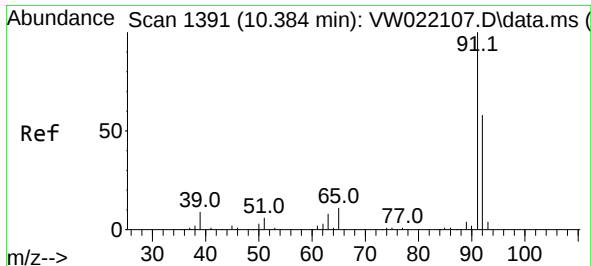
Ion Ratio Lower Upper

43 100

58 41.7 33.2 49.8

100 20.0 16.1 24.1





#42

Toluene

Concen: 25.133 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

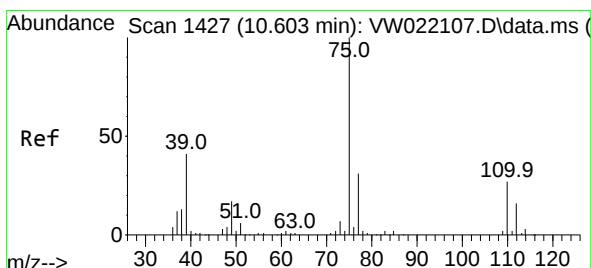
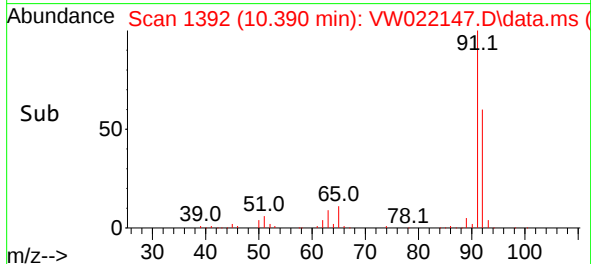
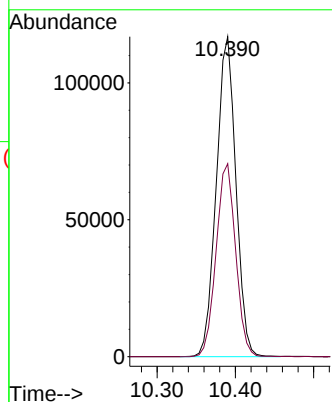
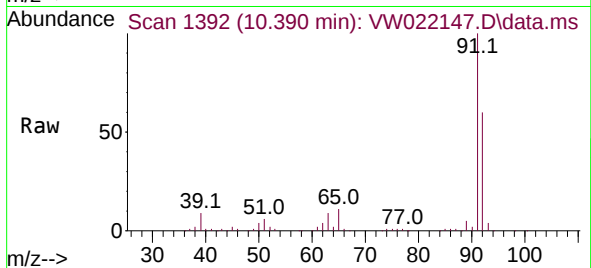
VSTD025567

Tgt Ion: 91 Resp: 202998

Ion Ratio Lower Upper

91 100

92 60.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 26.211 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW022147.D

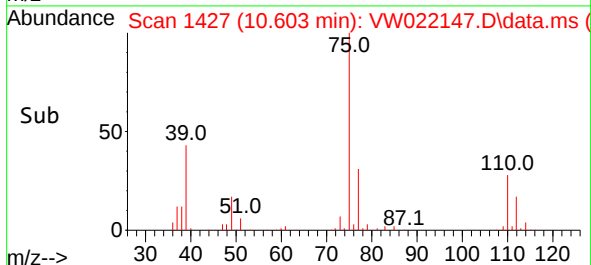
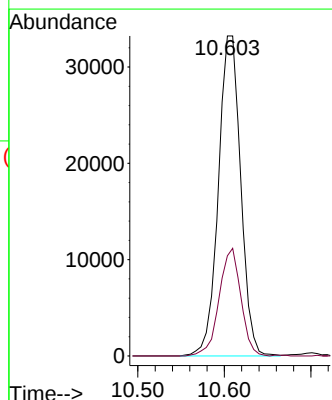
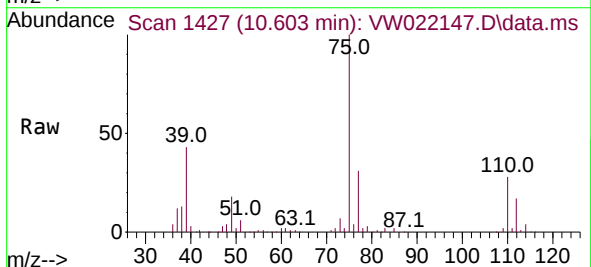
Acq: 25 Feb 2022 09:18

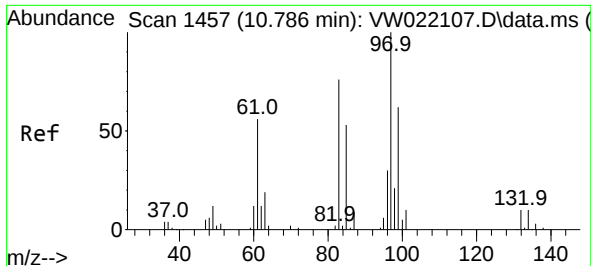
Tgt Ion: 75 Resp: 59609

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 24.803 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

Tgt Ion: 97 Resp: 36617

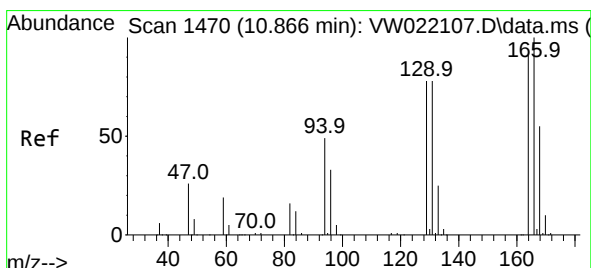
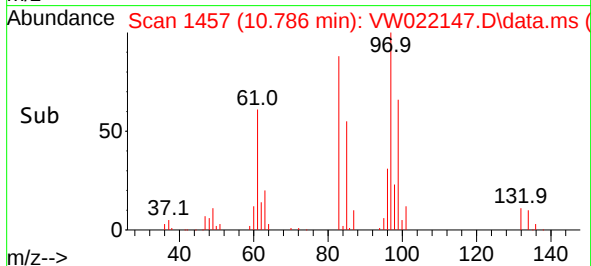
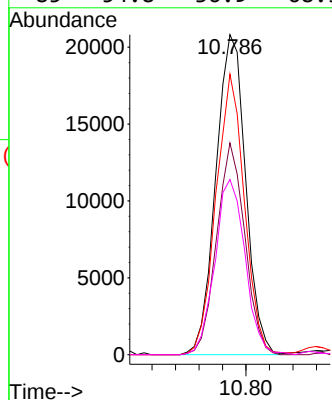
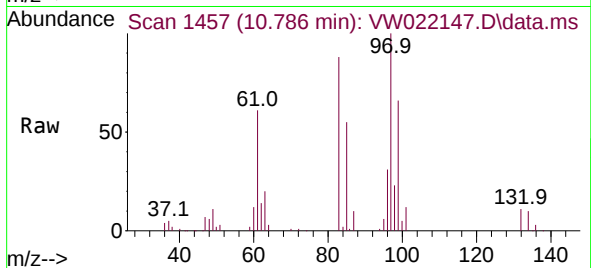
Ion Ratio Lower Upper

97 100

99 66.1 43.5 80.7

83 87.7 53.5 99.3

85 54.8 36.9 68.5



#46

Tetrachloroethene

Concen: 24.279 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Tgt Ion:164 Resp: 43459

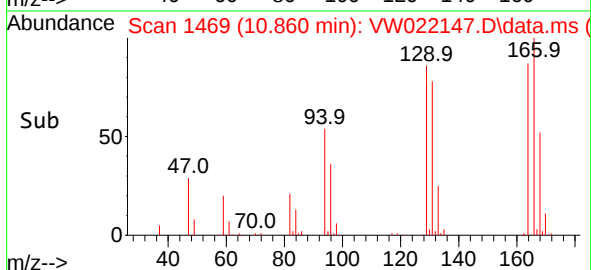
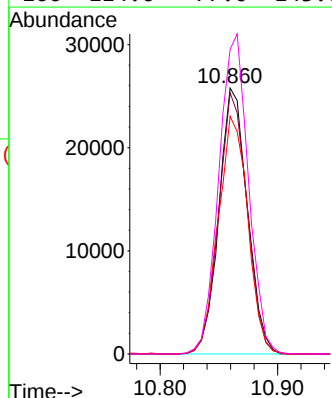
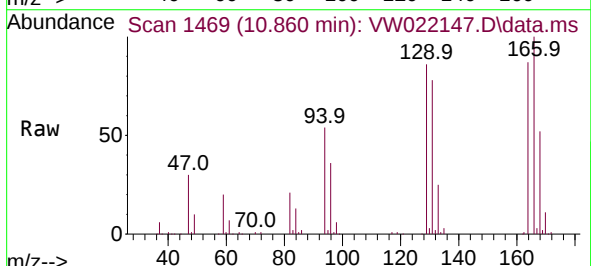
Ion Ratio Lower Upper

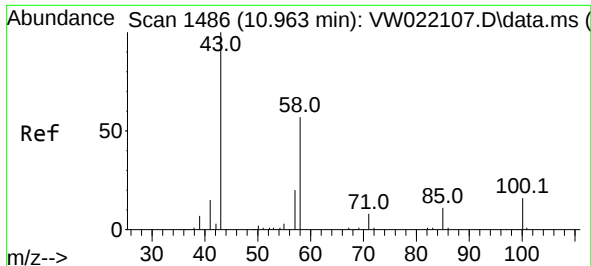
164 100

129 98.2 60.3 111.9

131 89.4 59.9 111.3

166 114.6 77.0 143.0

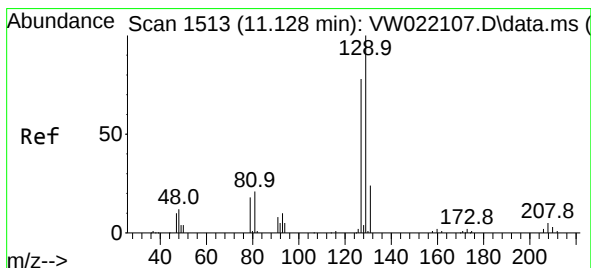
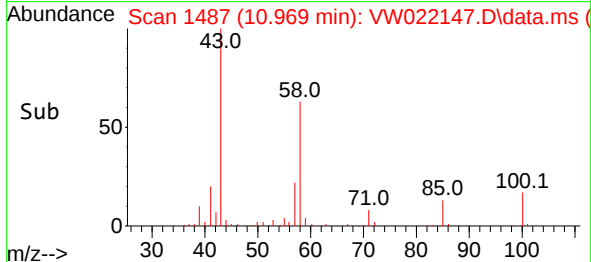
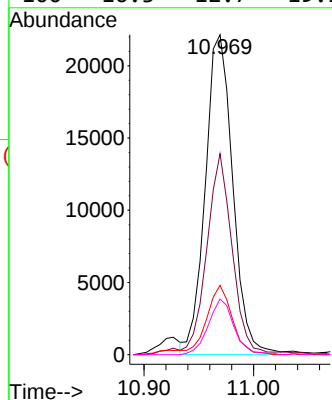
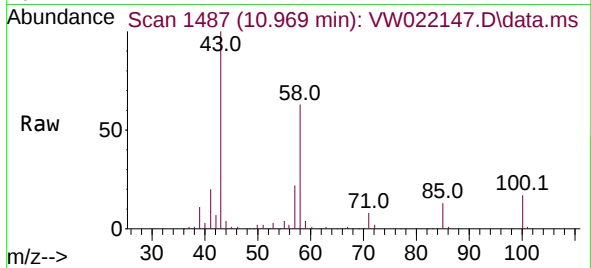




#48
2-Hexanone
Concen: 61.975 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

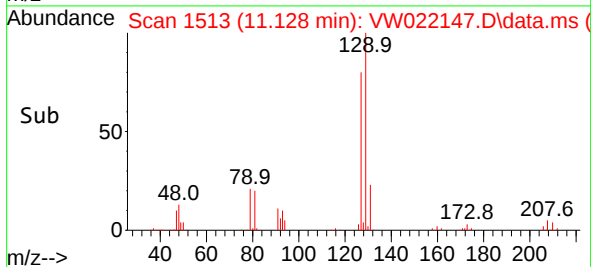
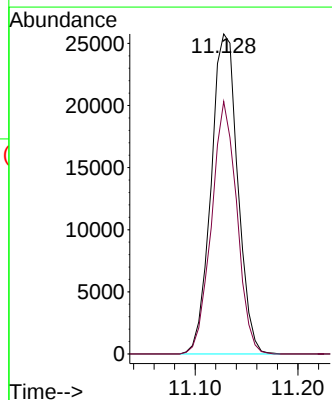
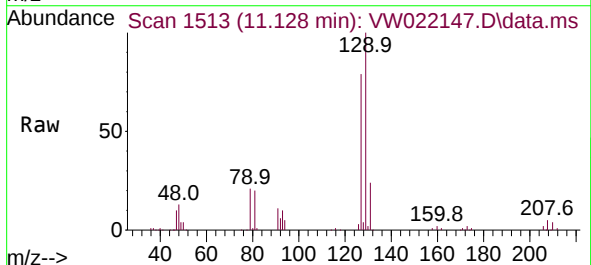
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

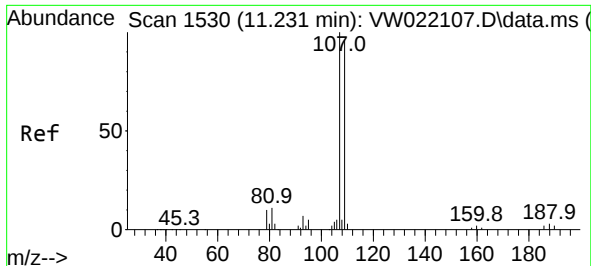
Tgt Ion: 43	Resp:	38674	
Ion	Ratio	Lower	Upper
43	100		
58	56.2	44.6	66.8
57	20.0	15.8	23.8
100	16.3	12.7	19.1



#49
Dibromochloromethane
Concen: 25.879 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion:129	Resp:	46409	
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.5	101.1





#50

1,2-Dibromoethane

Concen: 25.148 ug/L

RT: 11.238 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

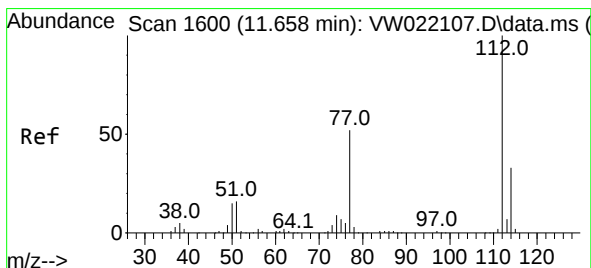
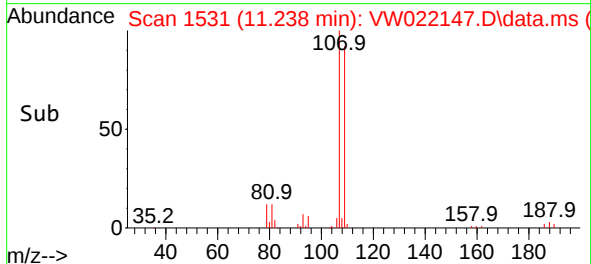
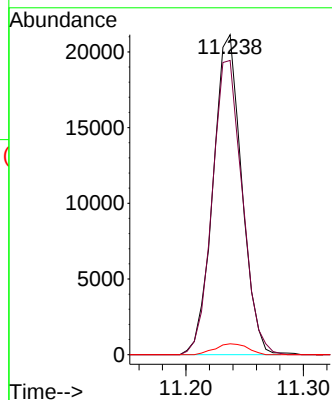
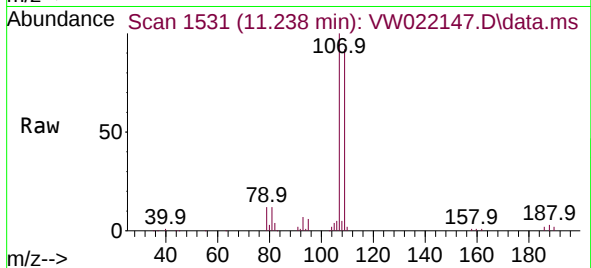
Tgt Ion:107 Resp: 35811

Ion Ratio Lower Upper

107 100

109 91.9 66.8 124.2

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 24.386 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

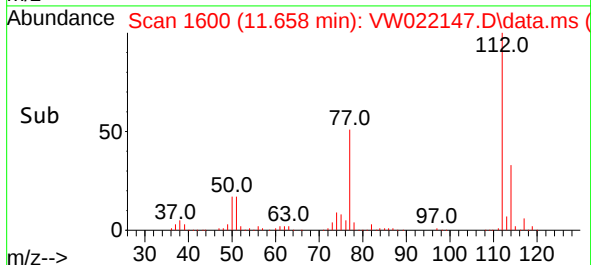
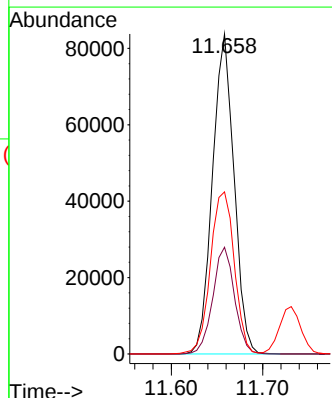
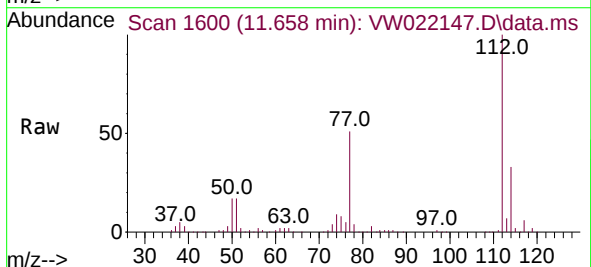
Tgt Ion:112 Resp: 137079

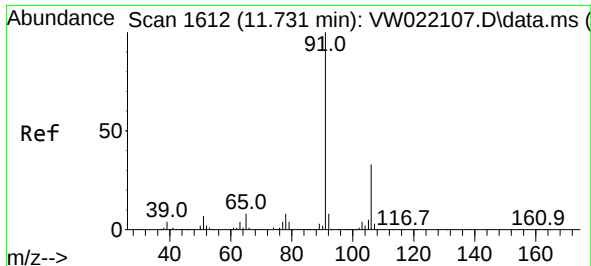
Ion Ratio Lower Upper

112 100

114 33.4 23.0 42.8

77 50.6 41.8 62.6

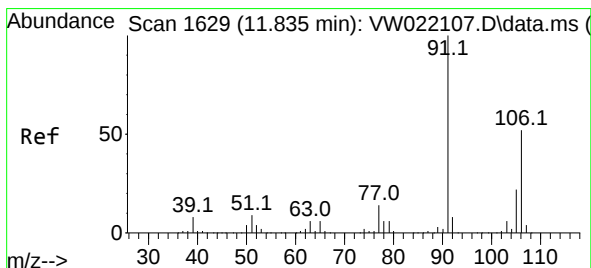
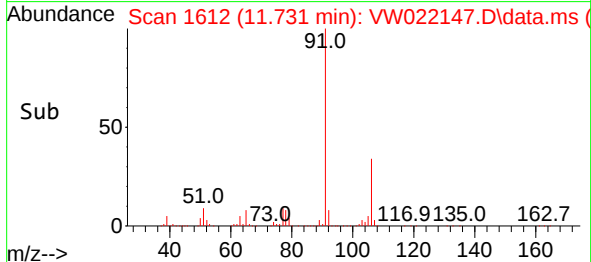
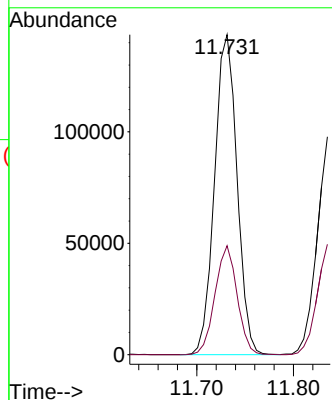
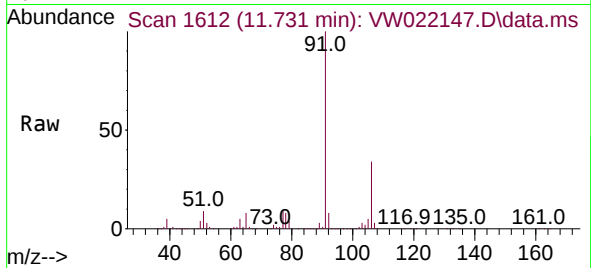




#52
Ethylbenzene
Concen: 25.934 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

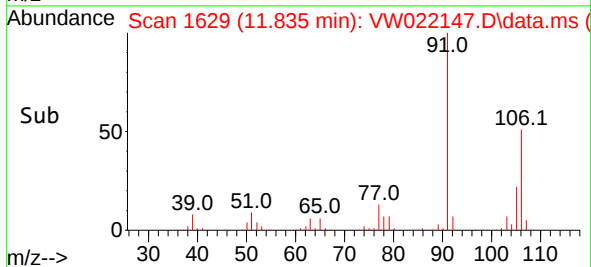
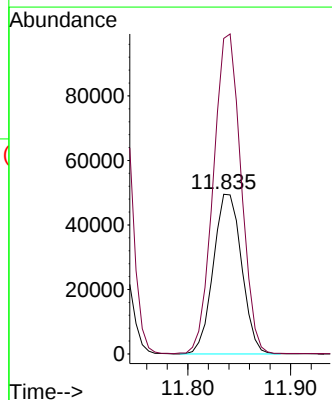
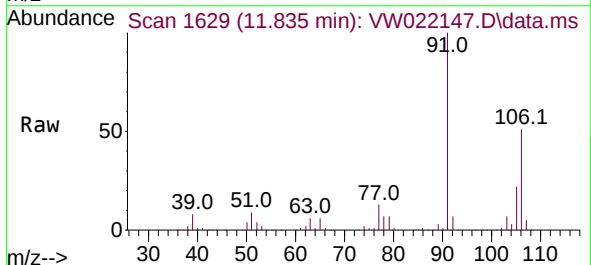
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

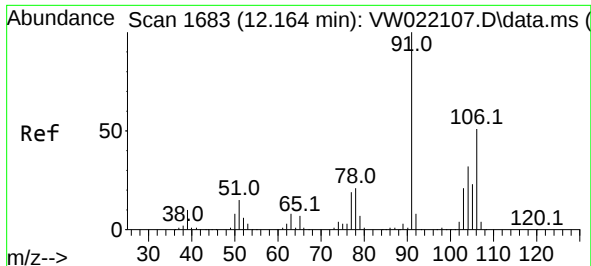
Tgt Ion: 91 Resp: 231824
Ion Ratio Lower Upper
91 100
106 34.1 22.8 42.4



#53
m,p-Xylene
Concen: 25.766 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 106 Resp: 94774
Ion Ratio Lower Upper
106 100
91 197.6 135.0 250.8

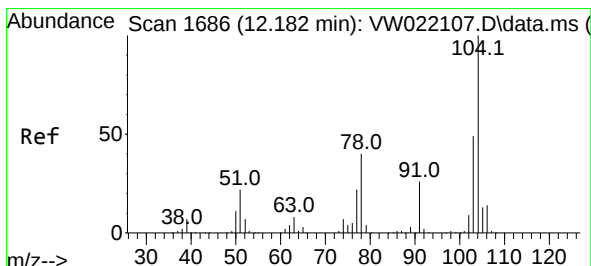
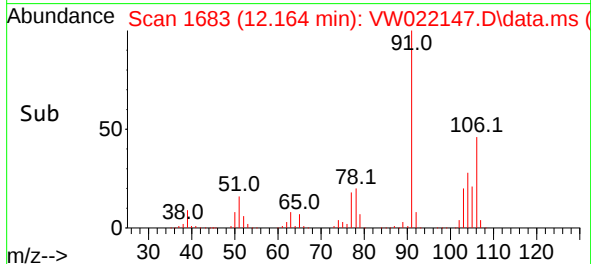
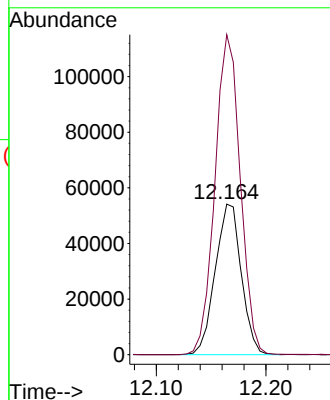
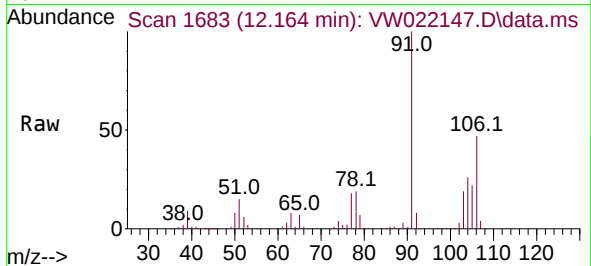




#54
o-Xylene
Concen: 25.841 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

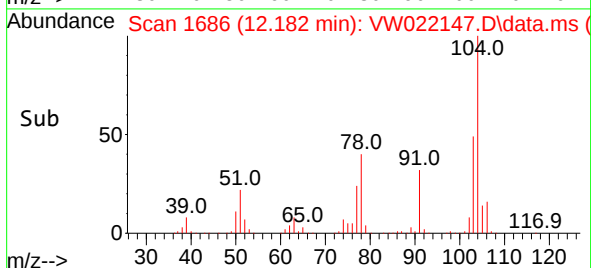
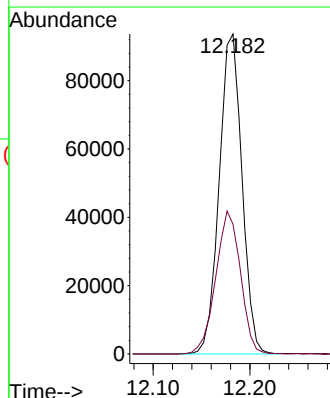
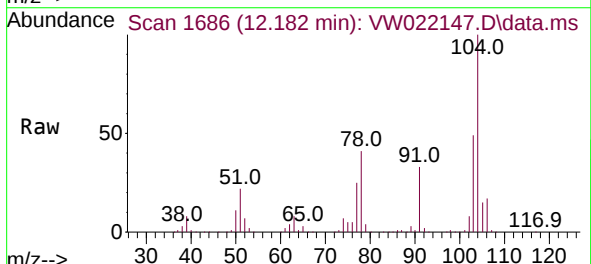
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

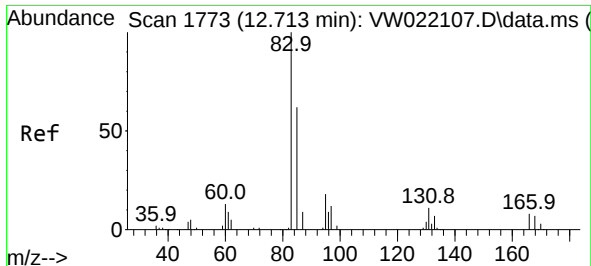
Tgt Ion:106 Resp: 89435
Ion Ratio Lower Upper
106 100
91 212.6 136.9 254.3



#55
Styrene
Concen: 26.367 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion:104 Resp: 152982
Ion Ratio Lower Upper
104 100
78 40.5 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.578 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

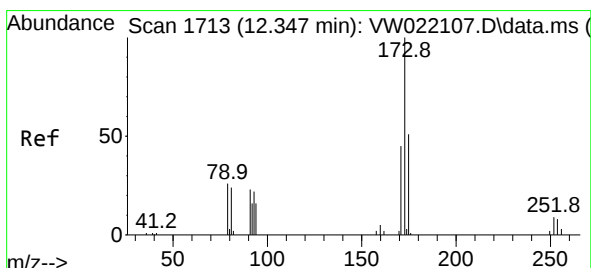
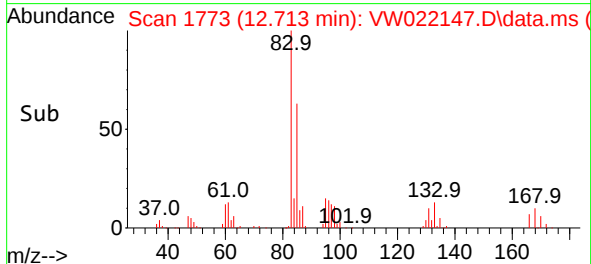
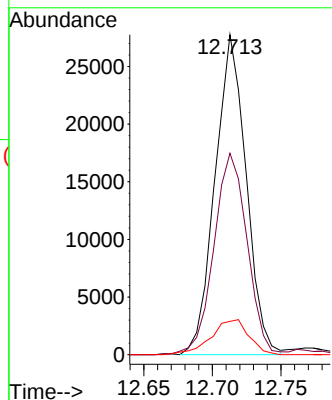
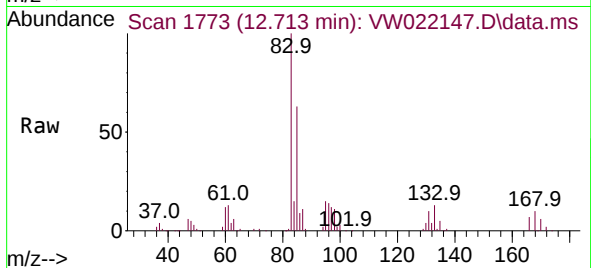
Tgt Ion: 83 Resp: 43814

Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

131 10.4 9.4 14.0



#59

Bromoform

Concen: 24.396 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

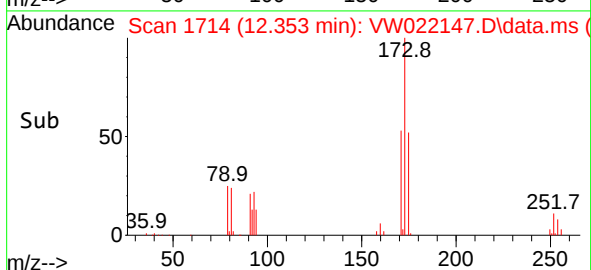
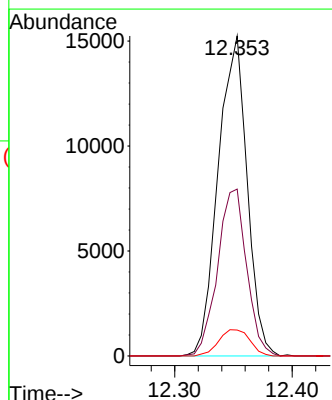
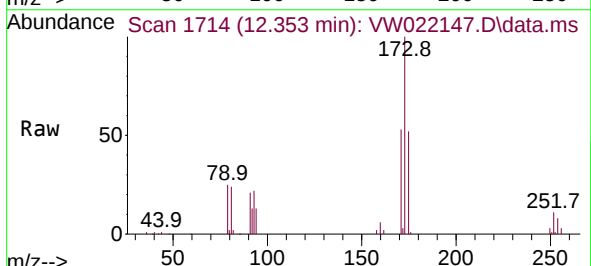
Tgt Ion:173 Resp: 26043

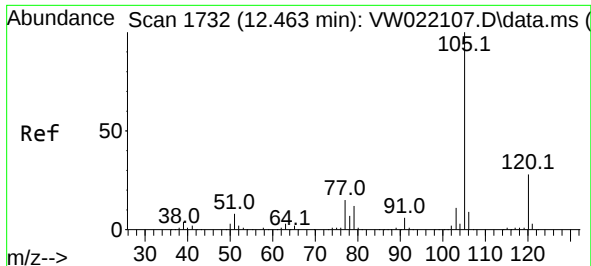
Ion Ratio Lower Upper

173 100

175 52.4 38.2 57.4

254 8.9 5.0 7.6#

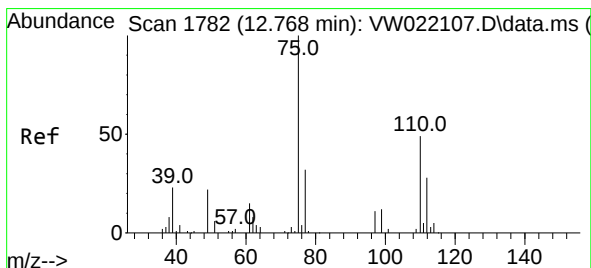
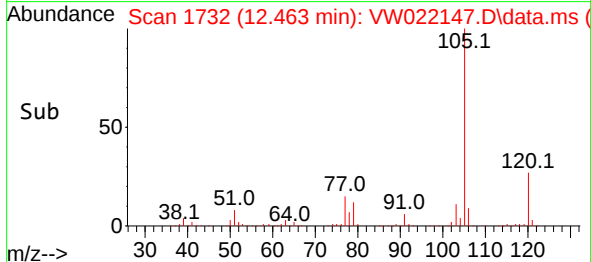
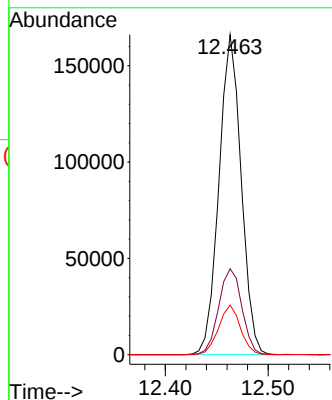
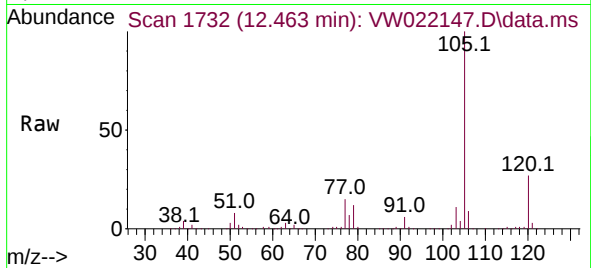




#60
Isopropylbenzene
Concen: 25.704 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

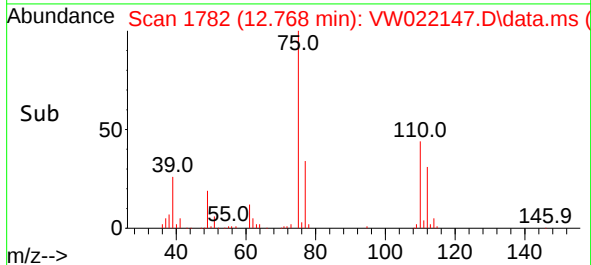
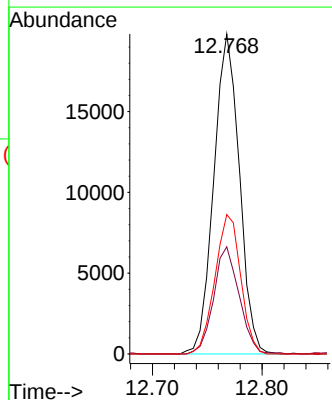
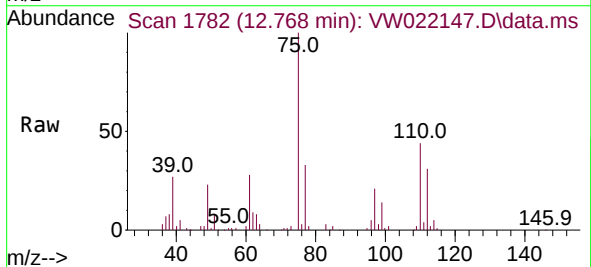
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

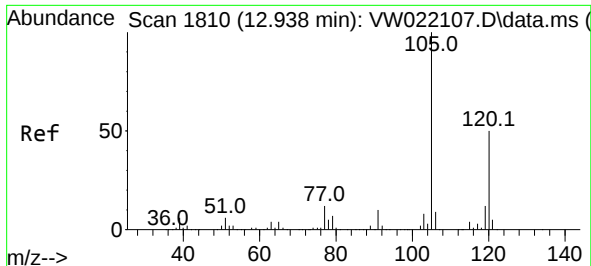
Tgt Ion:105 Resp: 249079
Ion Ratio Lower Upper
105 100
120 28.0 22.1 33.1
77 15.2 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 25.177 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion: 75 Resp: 32077
Ion Ratio Lower Upper
75 100
77 33.4 27.1 40.7
110 43.8 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 26.352 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

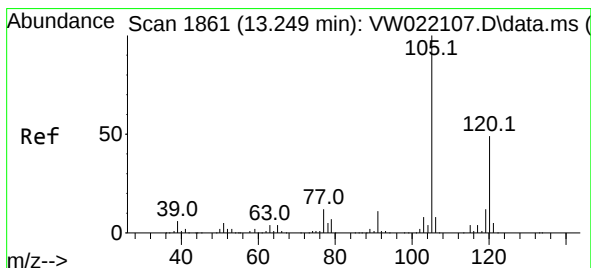
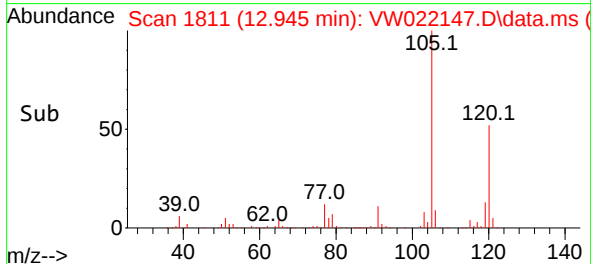
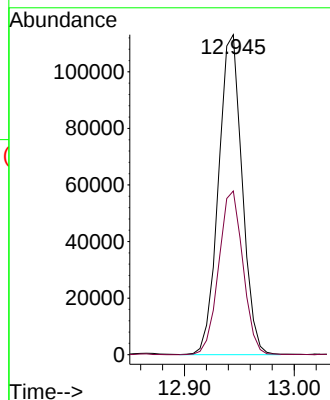
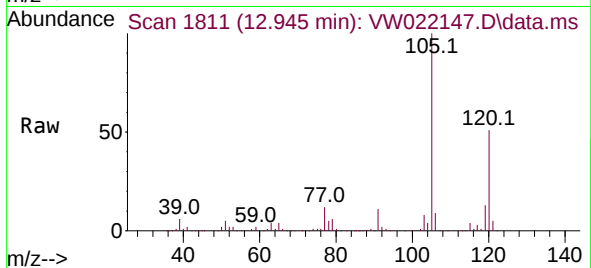
VSTD025567

Tgt Ion:105 Resp: 169806

Ion Ratio Lower Upper

105 100

120 52.3 41.5 62.3



#63

1,2,4-Trimethylbenzene

Concen: 26.653 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW022147.D

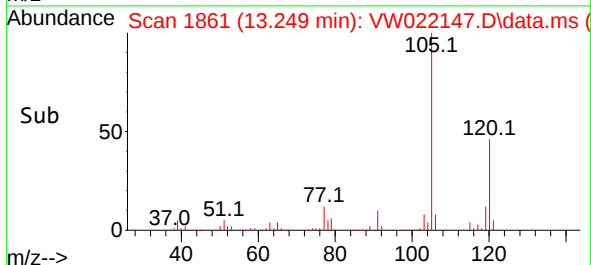
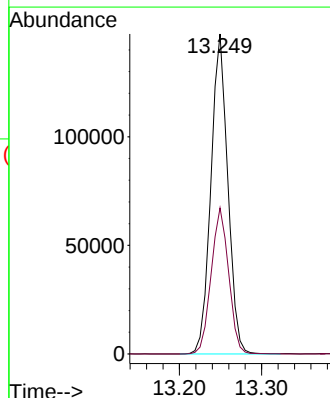
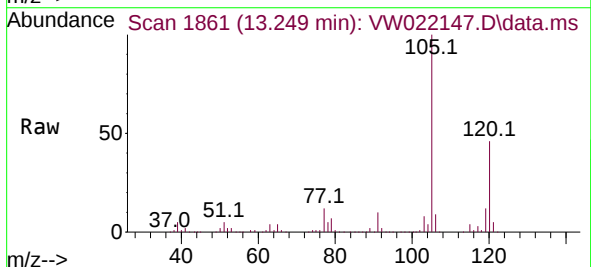
Acq: 25 Feb 2022 09:18

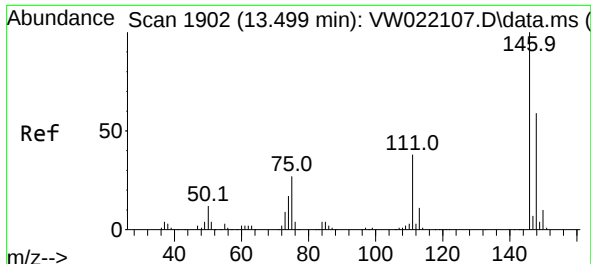
Tgt Ion:105 Resp: 209889

Ion Ratio Lower Upper

105 100

120 47.3 39.2 58.8

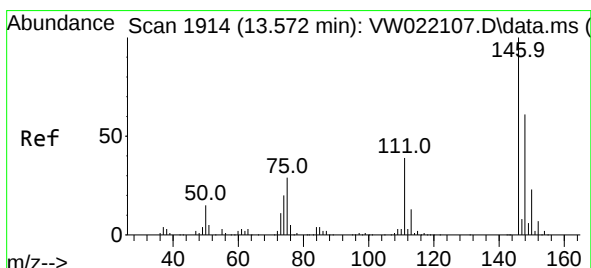
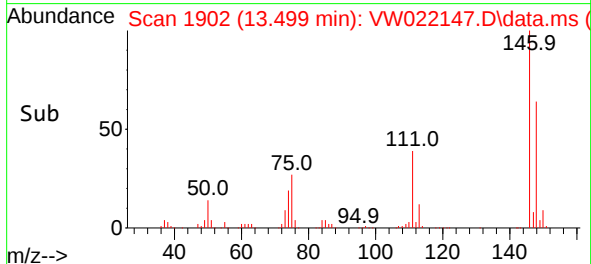
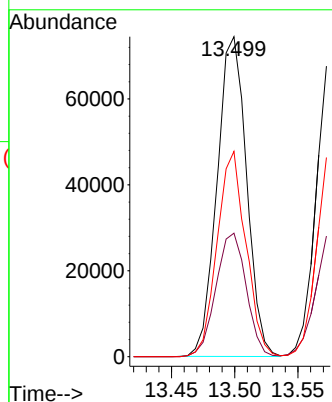
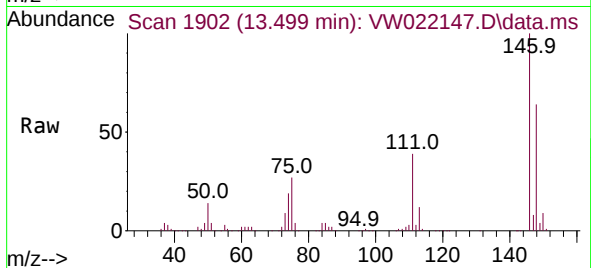




#64
1,3-Dichlorobenzene
Concen: 25.130 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

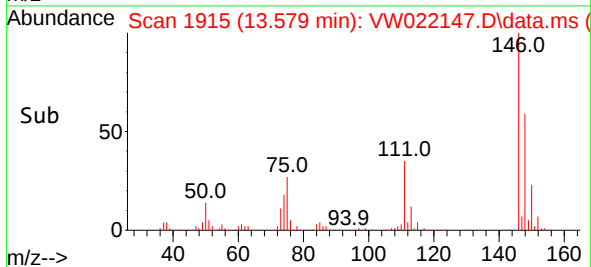
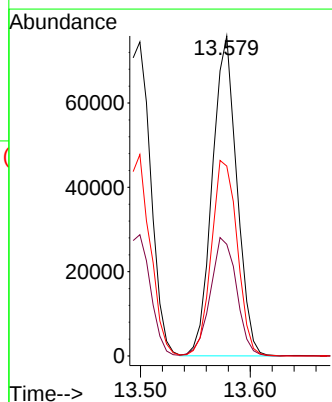
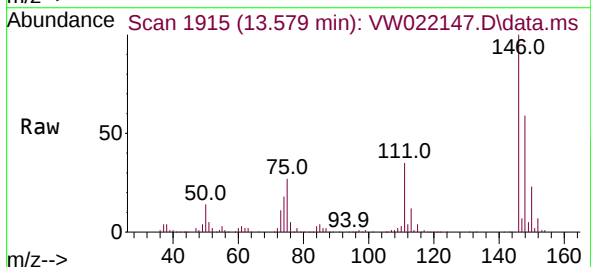
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

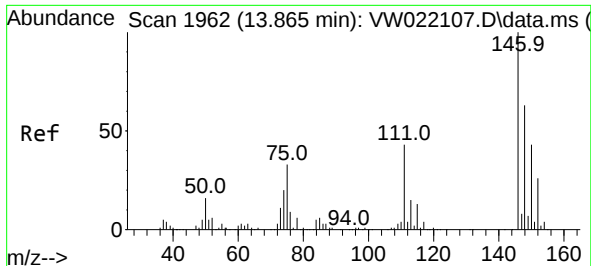
Tgt Ion:146 Resp: 120801
Ion Ratio Lower Upper
146 100
111 38.6 26.9 49.9
148 64.2 41.6 77.2



#65
1,4-Dichlorobenzene
Concen: 24.561 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion:146 Resp: 118317
Ion Ratio Lower Upper
146 100
111 34.9 27.5 51.1
148 59.3 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 25.173 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD025567

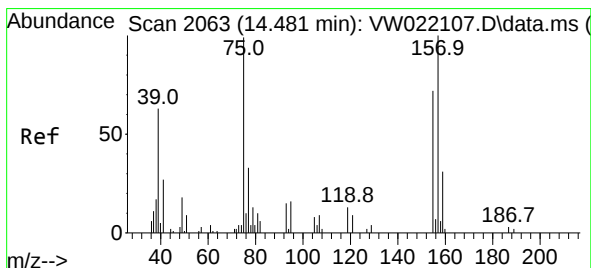
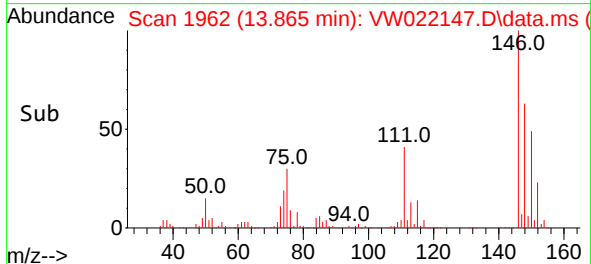
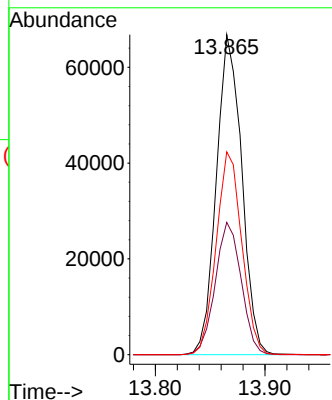
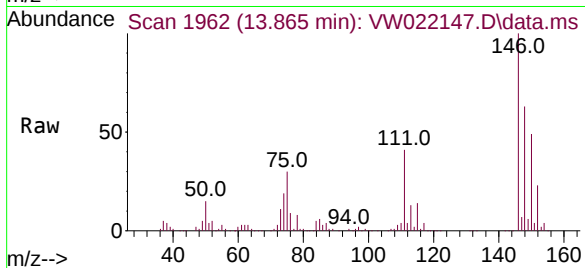
Tgt Ion:146 Resp: 107587

Ion Ratio Lower Upper

146 100

111 41.4 34.8 52.2

148 63.4 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 23.974 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW022147.D

Acq: 25 Feb 2022 09:18

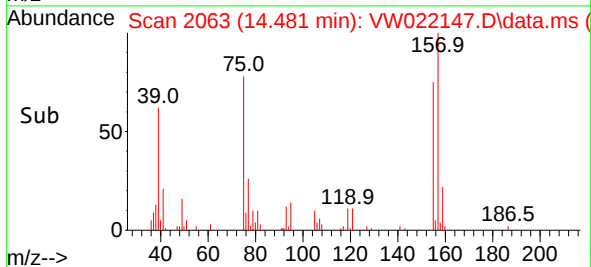
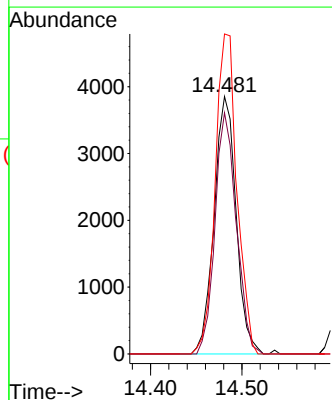
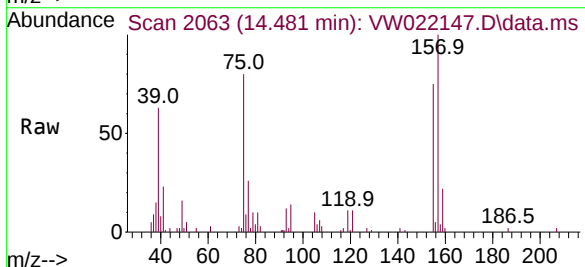
Tgt Ion: 75 Resp: 6457

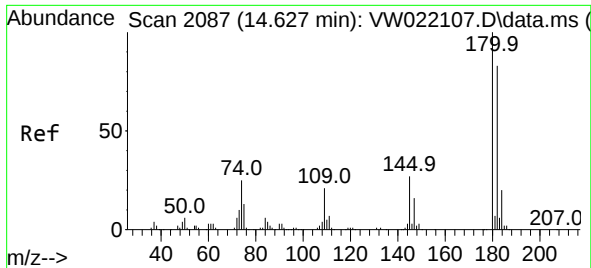
Ion Ratio Lower Upper

75 100

155 93.7 58.2 87.2#

157 124.3 80.5 120.7#

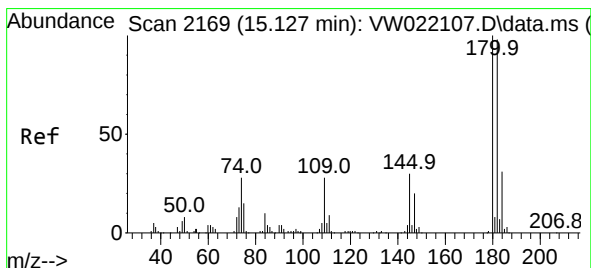
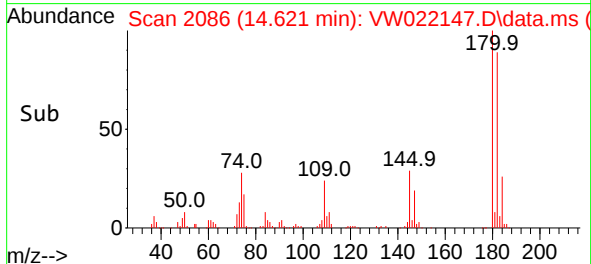
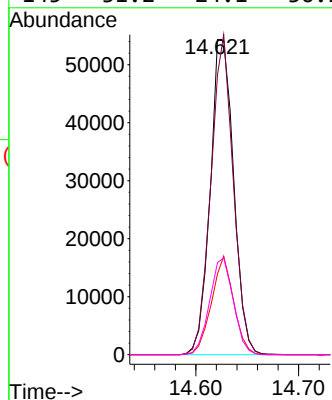
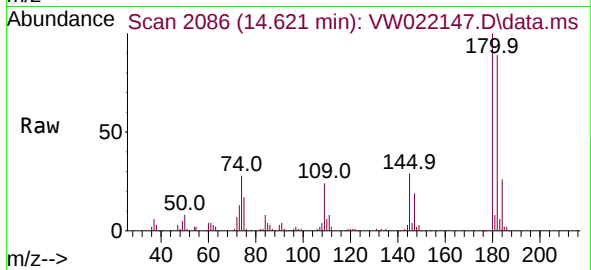




#69
1,3,5-Trichlorobenzene
Concen: 24.865 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

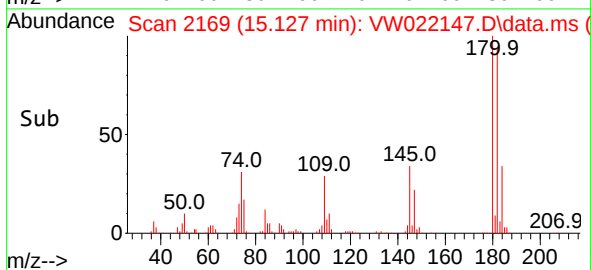
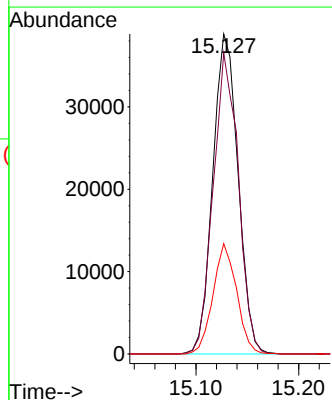
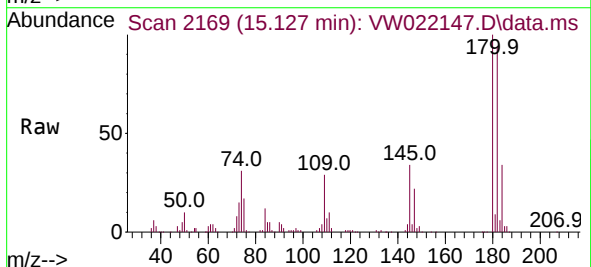
Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

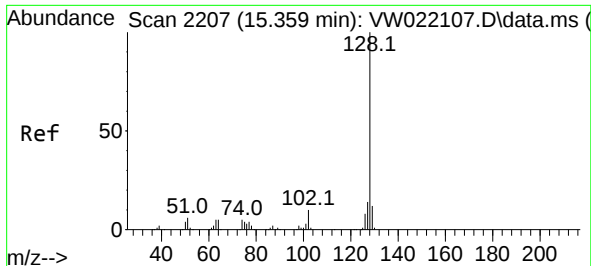
Tgt Ion:180	Resp:	85790
Ion Ratio	Lower	Upper
180	100	
182	97.0	69.4 104.0
184	29.6	21.8 32.8
145	31.2	24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 25.412 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion:180	Resp:	66340
Ion Ratio	Lower	Upper
180	100	
182	93.6	77.8 116.6
145	32.3	25.8 38.6

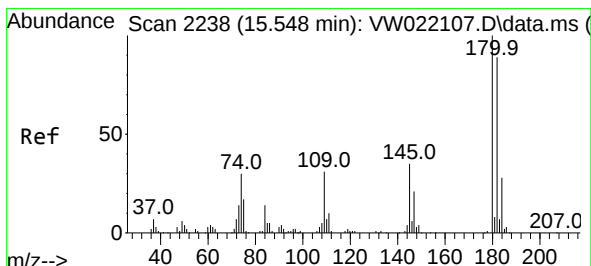
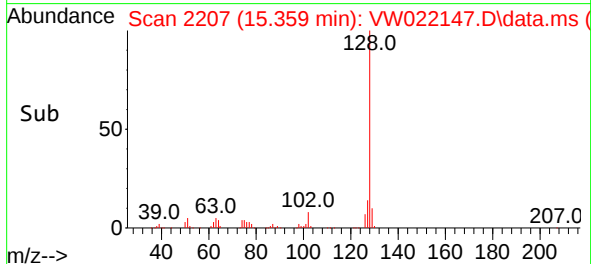
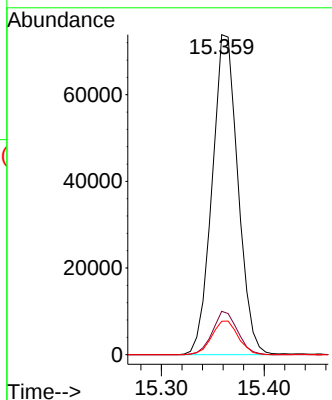
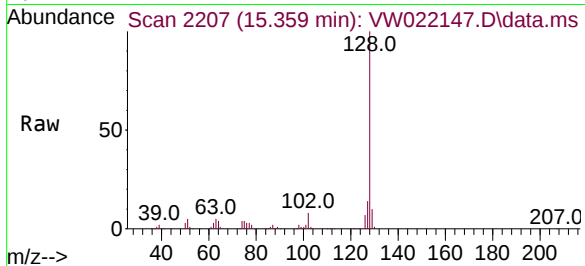




#71
Naphthalene
Concen: 27.975 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD025567

Tgt Ion:128 Resp: 128925
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 10.7 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 24.500 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW022147.D
Acq: 25 Feb 2022 09:18

Tgt Ion:180 Resp: 55322
Ion Ratio Lower Upper
180 100
182 96.1 79.0 118.4
145 34.7 28.0 42.0

