

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111122\
 Data File : VW025042.D
 Acq On : 11 Nov 2022 18:09
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025494

Quant Time: Nov 12 00:50:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 12 00:48:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	270767	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	250459	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	130655	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	47820	15.735	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.920%
7) Chloroethane-d5	2.885	69	37090	20.833	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.320%
11) 1,1-Dichloroethene-d2	4.026	63	144328	19.064	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.240%
21) 2-Butanone-d5	7.080	46	42135	41.078	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.160%
24) Chloroform-d	7.647	84	183946	22.385	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.560%
26) 1,2-Dichloroethane-d4	8.305	65	102530	22.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.160%
32) Benzene-d6	8.275	84	333252	20.759	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.040%
36) 1,2-Dichloropropane-d6	9.275	67	96985	20.619	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.480%
41) Toluene-d8	10.323	98	311938	20.871	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.480%
43) trans-1,3-Dichloroprop...	10.579	79	43267	20.744	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.960%
47) 2-Hexanone-d5	10.921	63	35726	43.968	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.940%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	82472	21.959	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.840%
66) 1,2-Dichlorobenzene-d4	13.853	152	110713	22.050	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	28227	31.255	ug/L	# 88
3) Chloromethane	2.215	50	39554	18.209	ug/L	93
5) Vinyl chloride	2.361	62	59243	19.739	ug/L	94
6) Bromomethane	2.782	94	33182	22.154	ug/L	99
8) Chloroethane	2.922	64	29174	23.302	ug/L	94
9) Trichlorofluoromethane	3.263	101	48211	19.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	78170	21.924	ug/L	99
12) 1,1-Dichloroethene	4.044	96	71528	21.296	ug/L	93
13) Acetone	4.123	43	26208	35.967	ug/L	94
14) Carbon disulfide	4.391	76	196898	20.068	ug/L	98
15) Methyl Acetate	4.672	43	30380	20.941	ug/L	100
16) Methylene chloride	4.916	84	86133	17.916	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	79352	22.064	ug/L	98
18) Methyl tert-butyl Ether	5.434	73	139868	23.184	ug/L	99
19) 1,1-Dichloroethane	6.214	63	151740	22.789	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	88981	22.699	ug/L	99
22) 2-Butanone	7.171	43	40118	36.747	ug/L	96
23) Bromochloromethane	7.519	128	38165	22.458	ug/L	92
25) Chloroform	7.677	83	170932	24.324	ug/L	92

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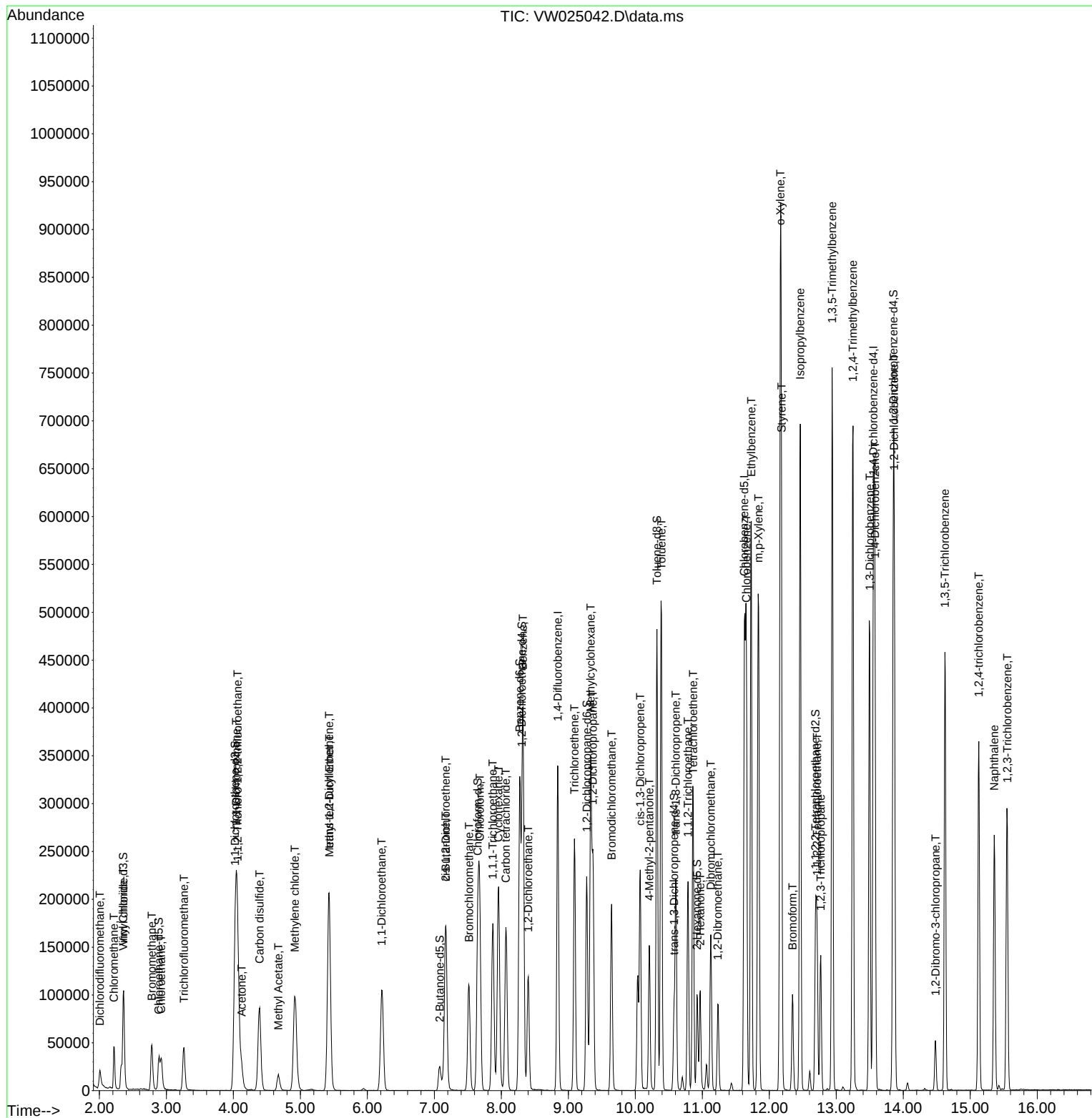
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27) 1,2-Dichloroethane	8.403	62	114904	24.105	ug/L	98
29) Cyclohexane	7.958	56	117943	19.943	ug/L	97
30) 1,1,1-Trichloroethane	7.872	97	142848	23.306	ug/L	99
31) Carbon tetrachloride	8.067	117	132136	24.126	ug/L	98
33) Benzene	8.324	78	340171	22.554	ug/L	100
34) Trichloroethene	9.092	95	89924	22.522	ug/L	96
35) Methylcyclohexane	9.336	83	143298	21.122	ug/L	98
37) 1,2-Dichloropropane	9.366	63	83016	22.678	ug/L	98
38) Bromodichloromethane	9.646	83	127778	25.010	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	136485	23.584	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	92953	43.271	ug/L	99
42) Toluene	10.390	91	373351	23.316	ug/L	96
44) trans-1,3-Dichloropropene	10.604	75	120363	23.395	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	64316	23.270	ug/L	98
46) Tetrachloroethene	10.866	164	64794	22.692	ug/L	96
48) 2-Hexanone	10.969	43	63967	43.057	ug/L	99
49) Dibromochloromethane	11.128	129	84526	25.088	ug/L	98
50) 1,2-Dibromoethane	11.232	107	60352	23.088	ug/L	98
51) Chlorobenzene	11.658	112	246221	23.723	ug/L	97
52) Ethylbenzene	11.731	91	426412	23.070	ug/L	97
53) m,p-Xylene	11.841	106	165037	23.067	ug/L	99
54) o-Xylene	12.164	106	160350	23.756	ug/L	98
55) Styrene	12.183	104	277914	23.706	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	76691	23.130	ug/L	98
59) Bromoform	12.347	173	43088	23.316	ug/L #	97
60) Isopropylbenzene	12.463	105	442275	22.515	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	57855	22.041	ug/L	98
62) 1,3,5-Trimethylbenzene	12.939	105	397492	23.311	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	385872	23.077	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	191142	23.331	ug/L	95
65) 1,4-Dichlorobenzene	13.579	146	191220	23.391	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	174375	23.672	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.481	75	14123	23.282	ug/L	93
69) 1,3,5-Trichlorobenzene	14.621	180	131043	24.149	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	108932	25.828	ug/L	99
71) Naphthalene	15.359	128	225137	25.304	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	91064	24.780	ug/L	93

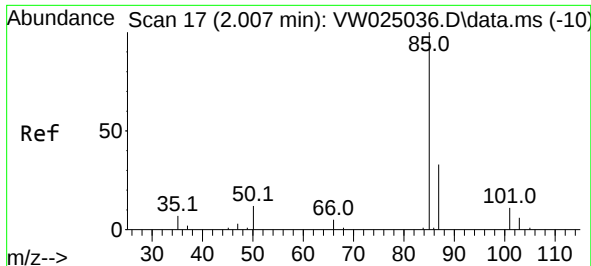
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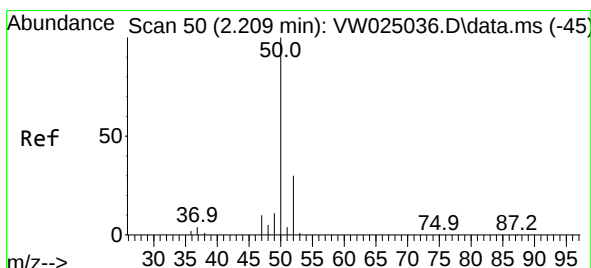
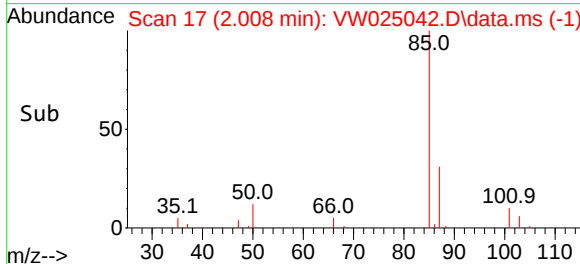
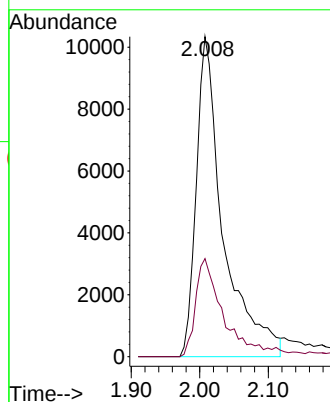
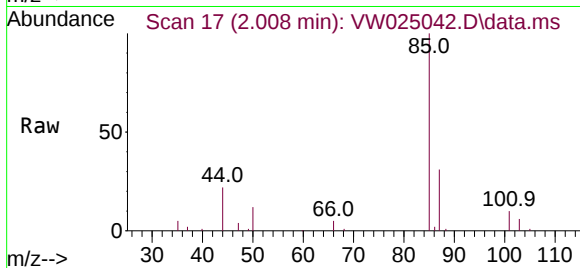




#2
 Dichlorodifluoromethane
 Concen: 31.255 ug/L
 RT: 2.008 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

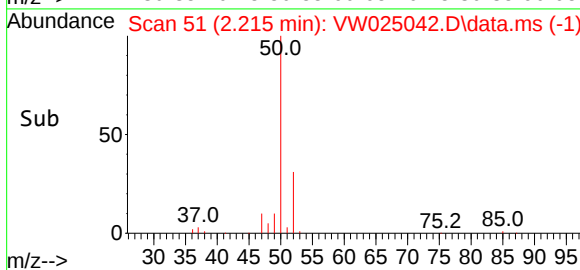
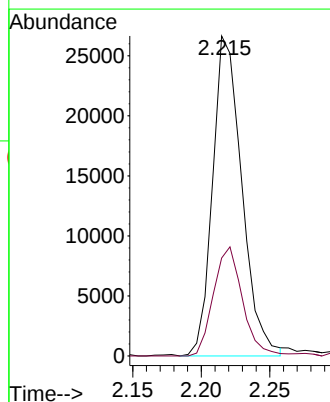
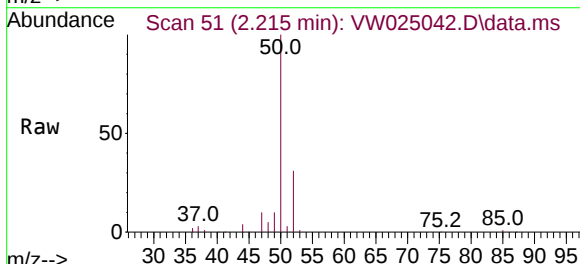
Instrument :
 MSVOA_W
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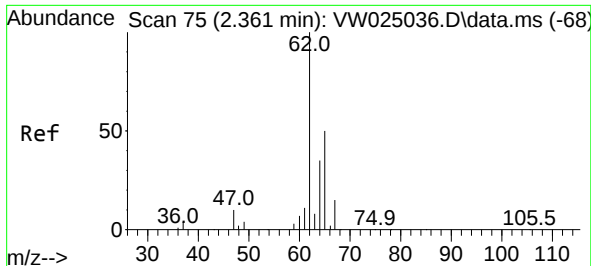
Tgt Ion: 85 Resp: 28227
 Ion Ratio Lower Upper
 85 100
 87 25.7 25.9 38.9#



#3
 Chloromethane
 Concen: 18.209 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

Tgt Ion: 50 Resp: 39554
 Ion Ratio Lower Upper
 50 100
 52 30.6 24.1 44.8

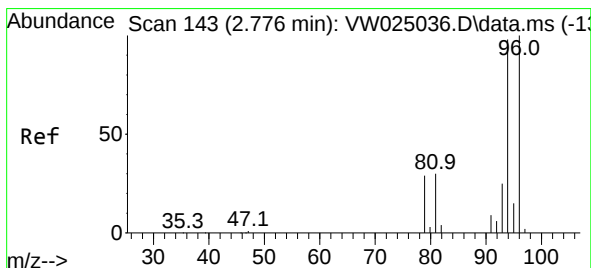
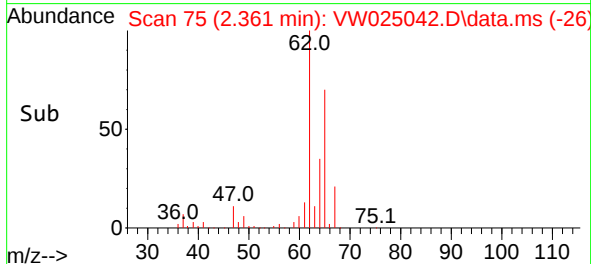
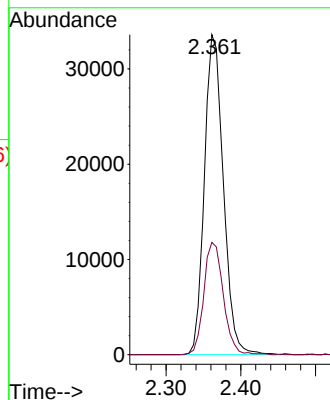
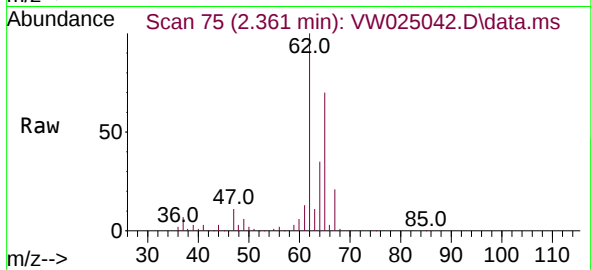




#5
 Vinyl chloride
 Concen: 19.739 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

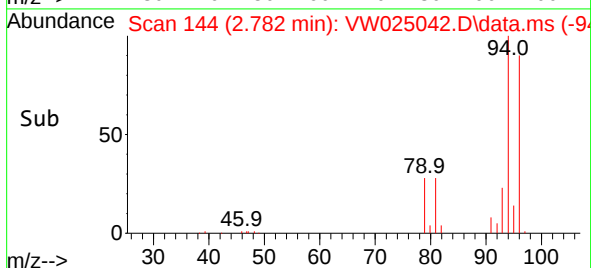
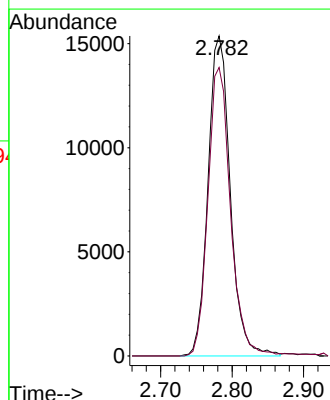
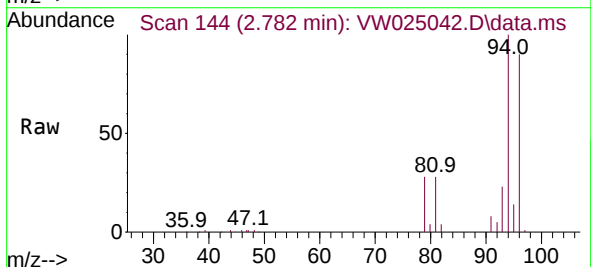
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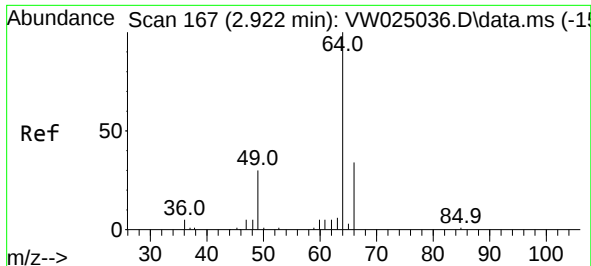
Tgt Ion: 62 Resp: 59243
 Ion Ratio Lower Upper
 62 100
 64 35.1 27.2 50.6



#6
 Bromomethane
 Concen: 22.154 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.006 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

Tgt Ion: 94 Resp: 33182
 Ion Ratio Lower Upper
 94 100
 96 90.1 63.8 118.6

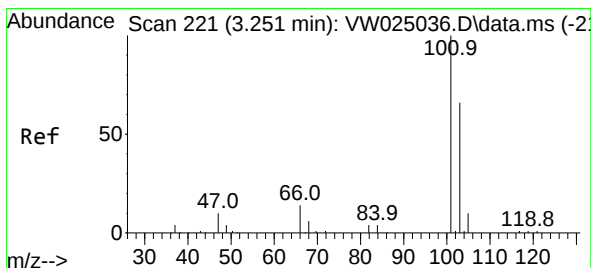
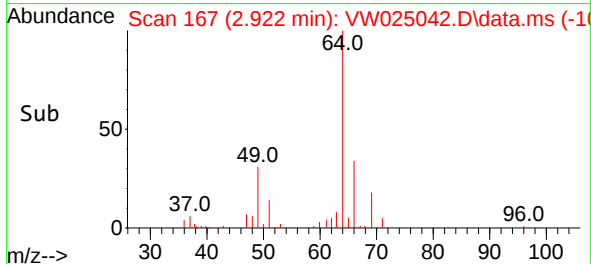
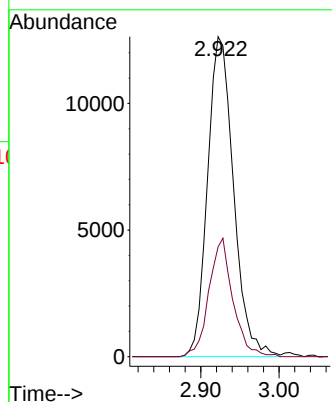
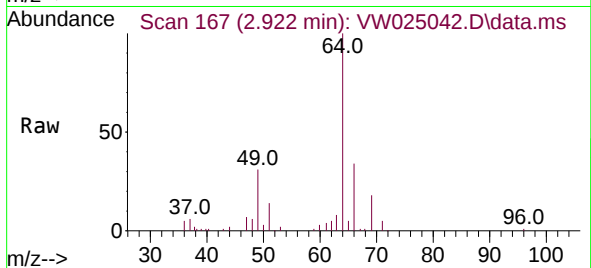




#8
Chloroethane
Concen: 23.302 ug/L
RT: 2.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

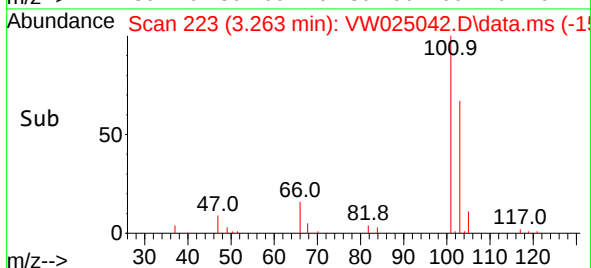
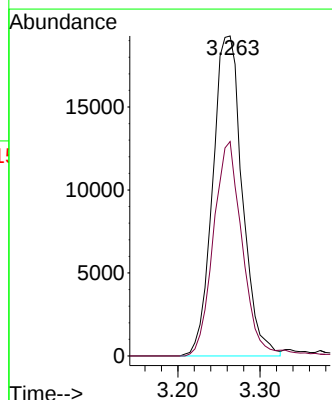
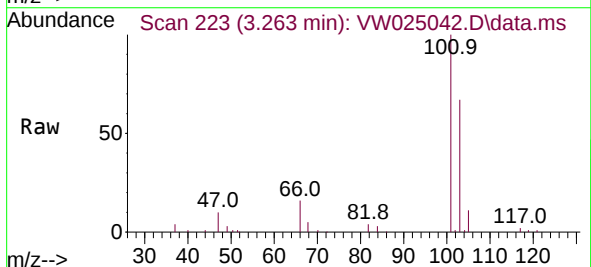
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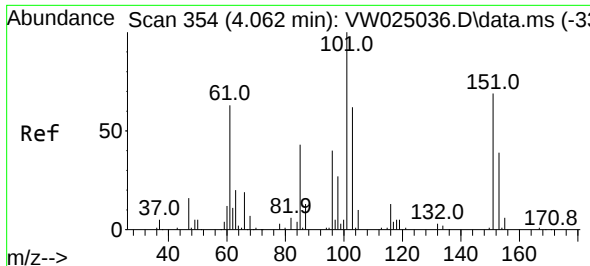
Tgt Ion: 64 Resp: 29174
Ion Ratio Lower Upper
64 100
66 34.4 21.6 40.2



#9
Trichlorofluoromethane
Concen: 19.148 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.012 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 101 Resp: 48211
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

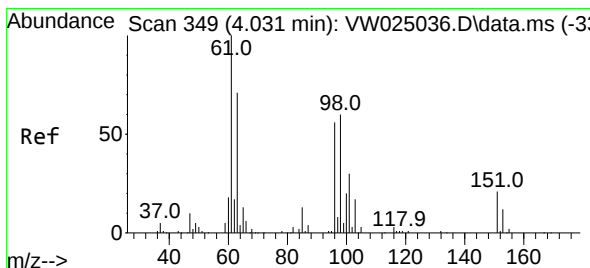
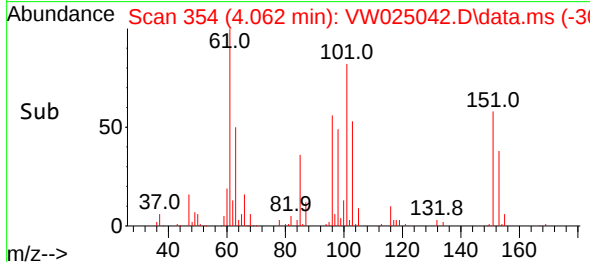
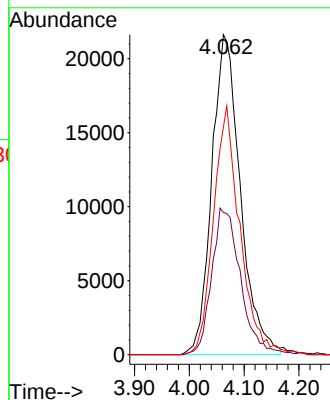
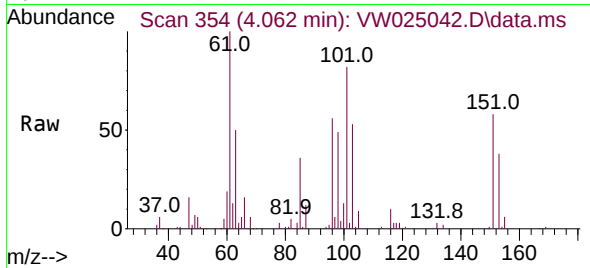




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.924 ug/L
 RT: 4.062 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

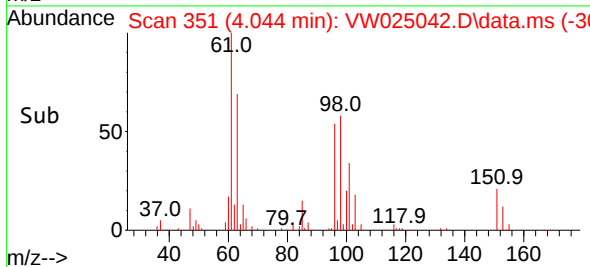
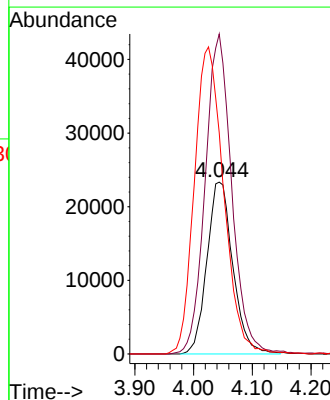
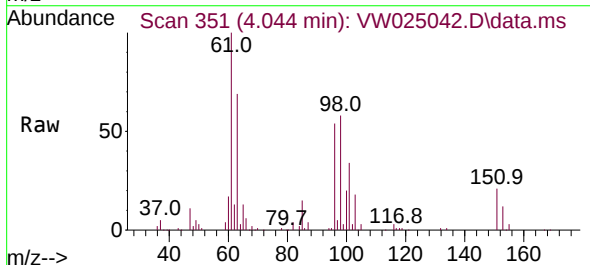
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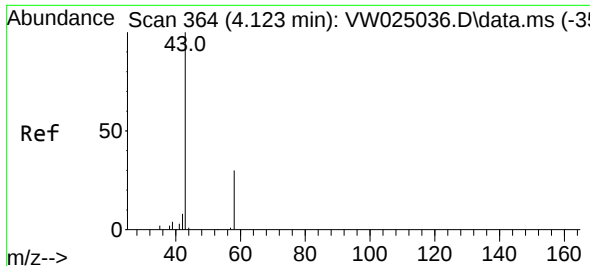
Tgt Ion:101 Resp: 78170
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.5 54.7
 151 70.9 57.3 85.9



#12
 1,1-Dichloroethene
 Concen: 21.296 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.012 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

Tgt Ion: 96 Resp: 71528
 Ion Ratio Lower Upper
 96 100
 61 186.2 126.2 234.4
 63 128.6 98.3 182.7





#13

Acetone

Concen: 35.967 ug/L

RT: 4.123 min Scan# 30

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

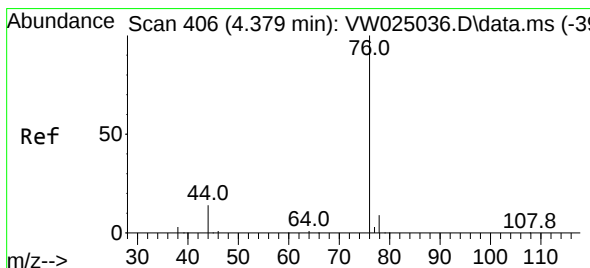
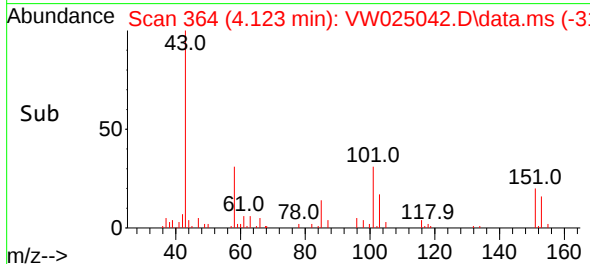
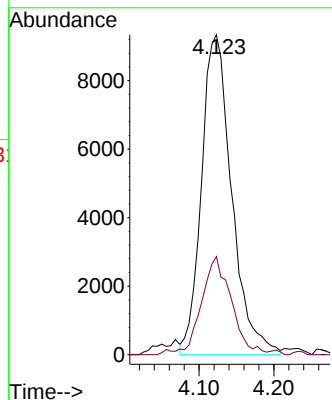
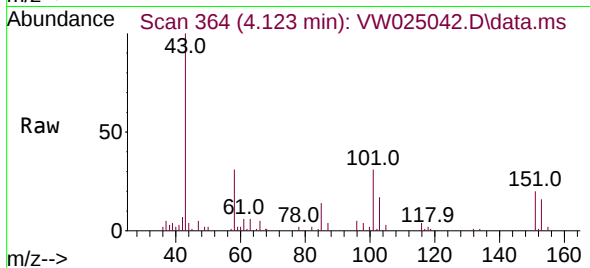
VSTD025494

Tgt Ion: 43 Resp: 26208

Ion Ratio Lower Upper

43 100

58 29.3 0.0 65.4



#14

Carbon disulfide

Concen: 20.068 ug/L

RT: 4.391 min Scan# 408

Delta R.T. 0.012 min

Lab File: VW025042.D

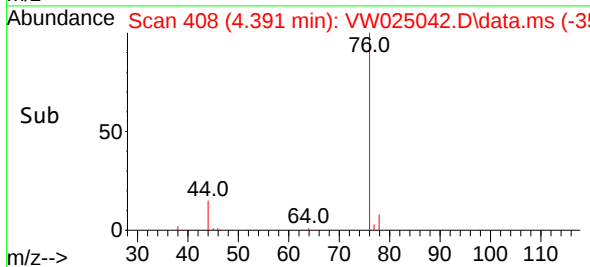
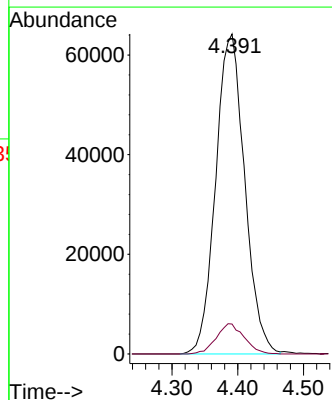
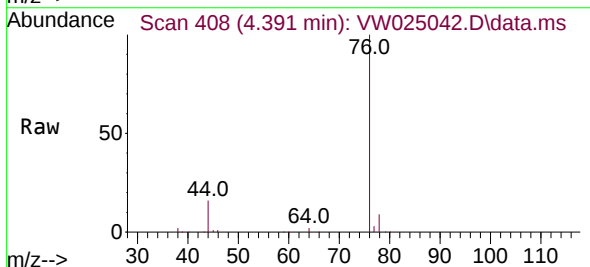
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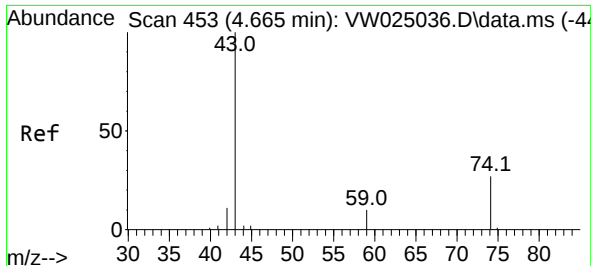
Tgt Ion: 76 Resp: 196898

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2

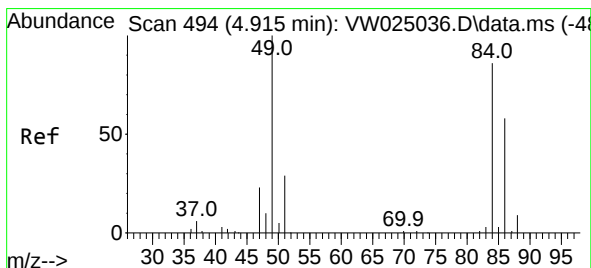
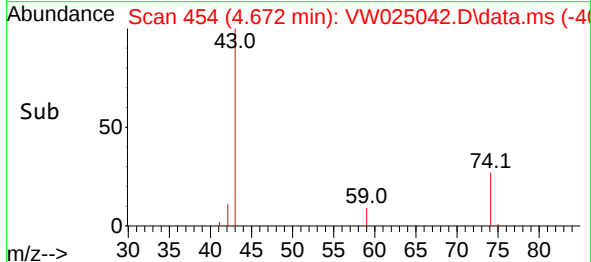
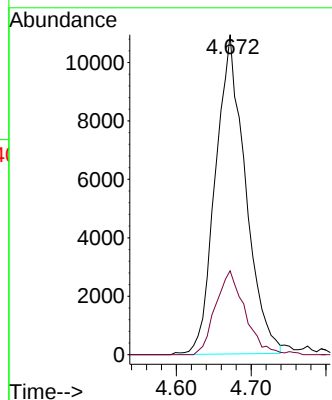
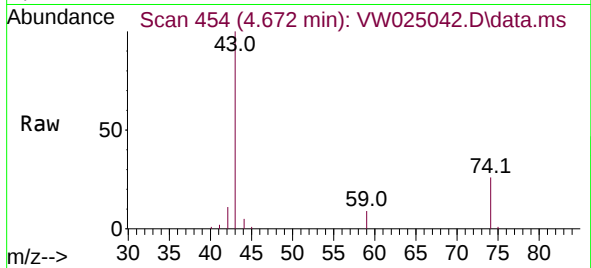




#15
Methyl Acetate
Concen: 20.941 ug/L
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

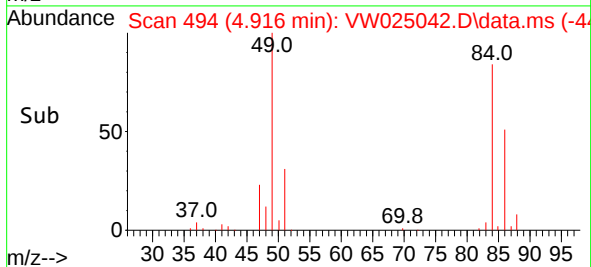
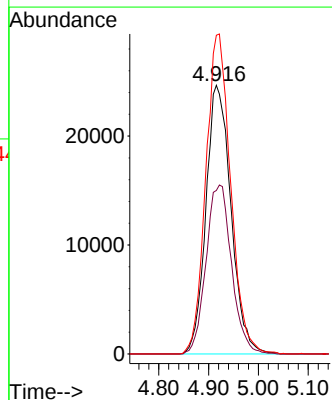
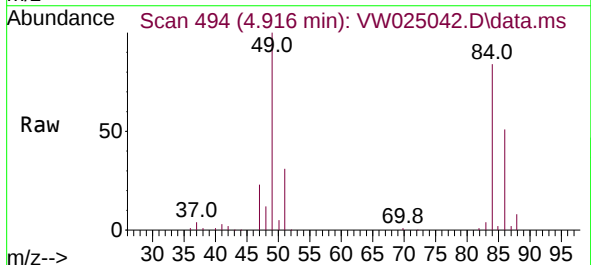
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

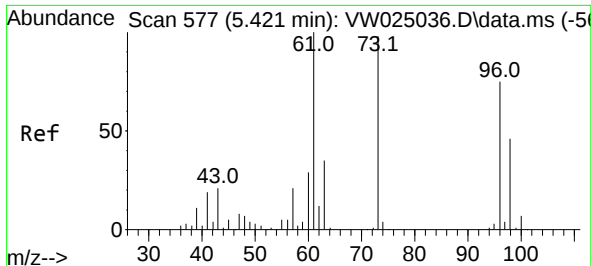
Tgt Ion: 43 Resp: 30380
Ion Ratio Lower Upper
43 100
74 25.9 20.6 30.8



#16
Methylene chloride
Concen: 17.916 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 84 Resp: 86133
Ion Ratio Lower Upper
84 100
86 60.9 42.6 79.0
49 118.7 81.9 152.1

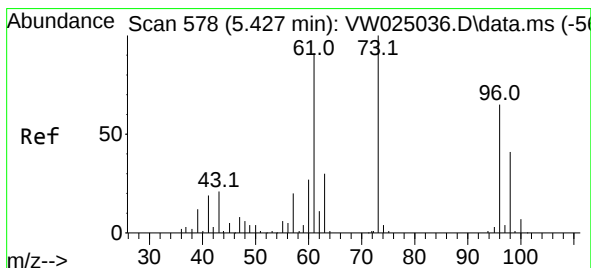
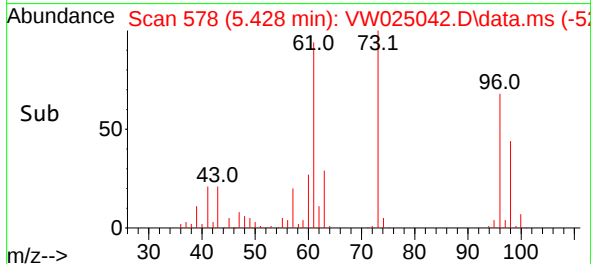
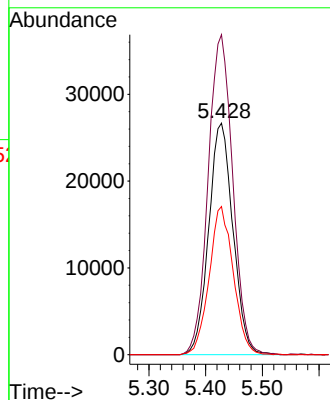
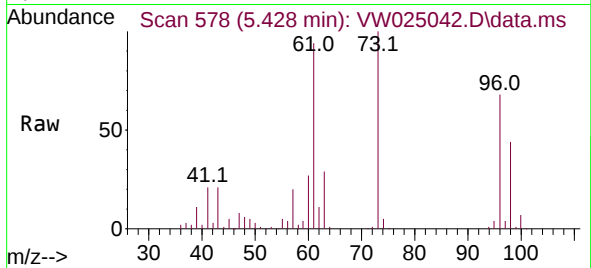




#17
trans-1,2-Dichloroethene
Concen: 22.064 ug/L
RT: 5.428 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

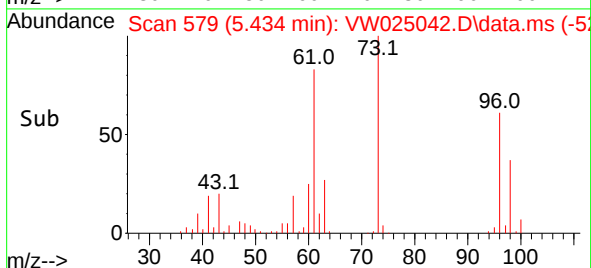
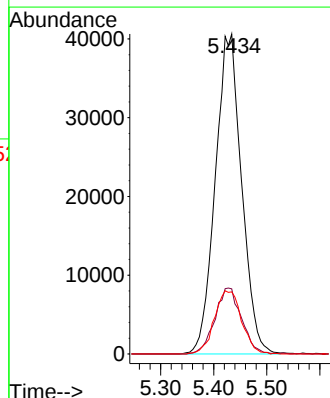
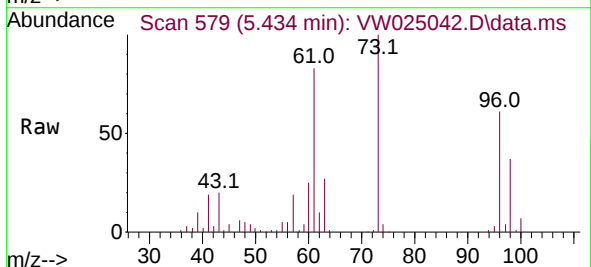
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

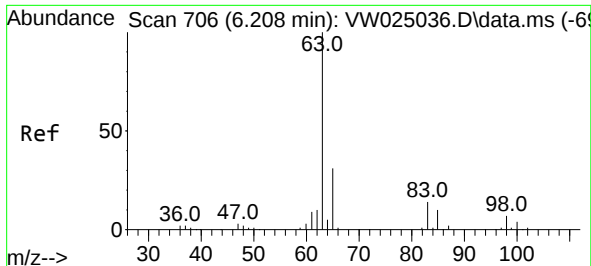
Tgt Ion: 96 Resp: 79352
Ion Ratio Lower Upper
96 100
61 138.2 97.6 181.2
98 64.0 46.8 86.8



#18
Methyl tert-butyl Ether
Concen: 23.184 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 73 Resp: 139868
Ion Ratio Lower Upper
73 100
43 20.8 16.6 24.8
57 20.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 22.789 ug/L

RT: 6.214 min Scan# 706

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

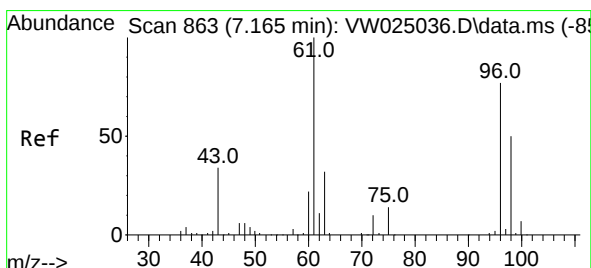
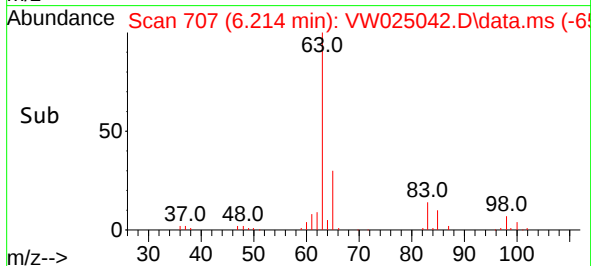
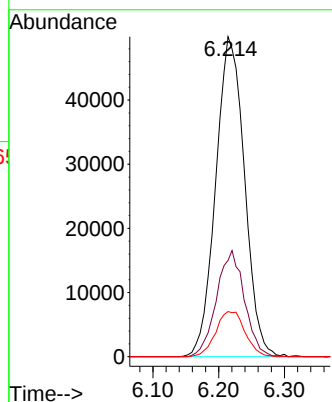
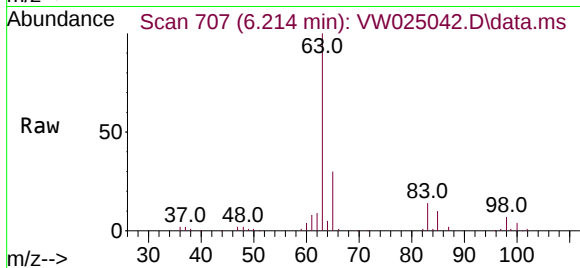
Tgt Ion: 63 Resp: 151740

Ion Ratio Lower Upper

63 100

65 30.1 22.2 41.2

83 14.1 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 22.699 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

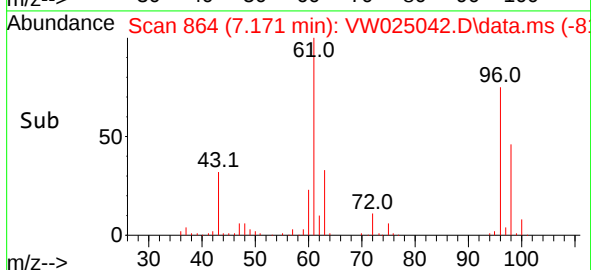
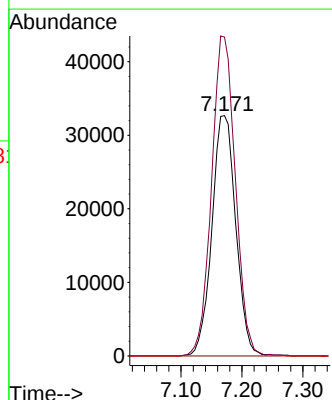
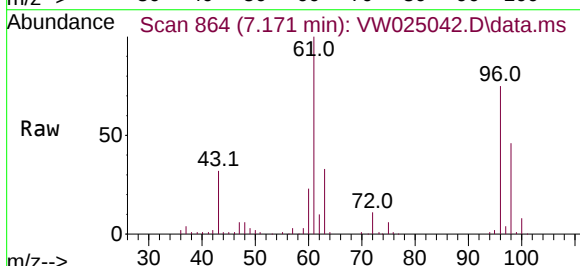
Tgt Ion: 96 Resp: 88981

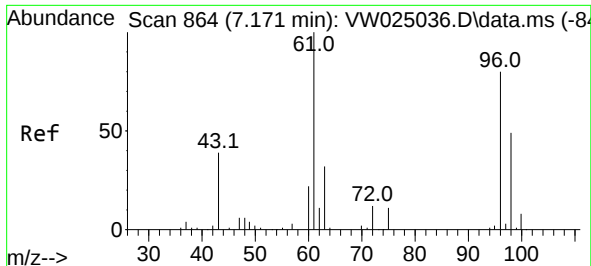
Ion Ratio Lower Upper

96 100

61 132.8 91.8 170.6

68 0.0 0.0 0.0

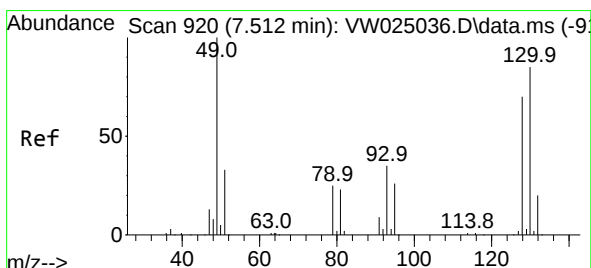
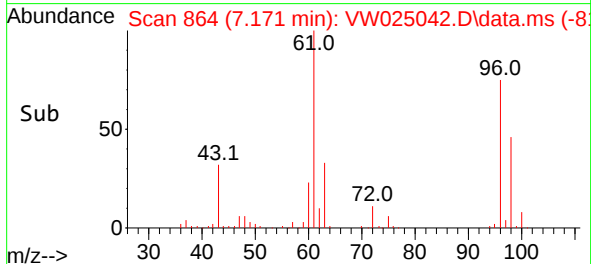
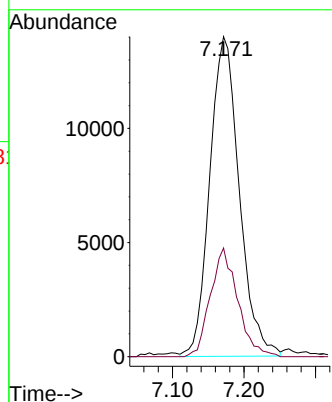
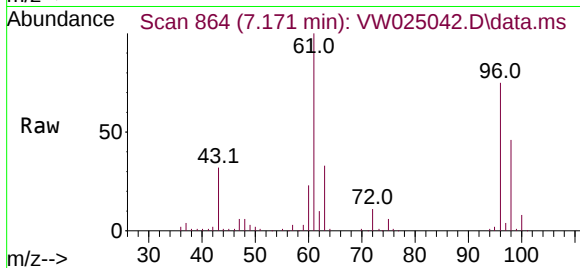




#22
2-Butanone
Concen: 36.747 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

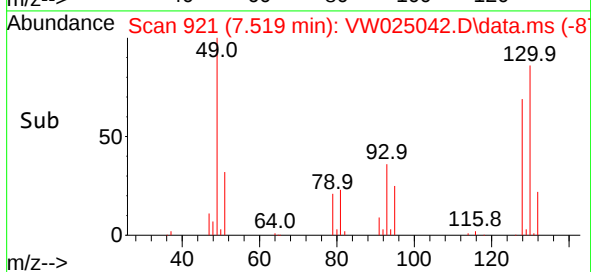
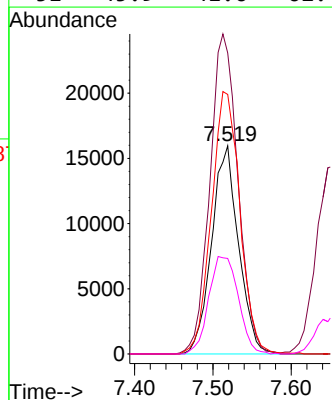
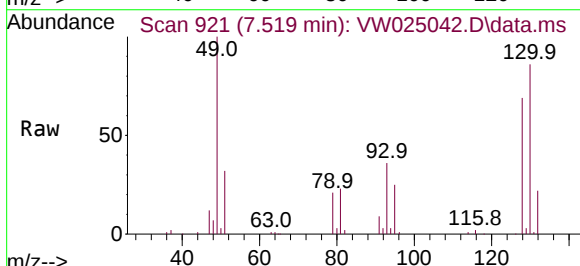
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

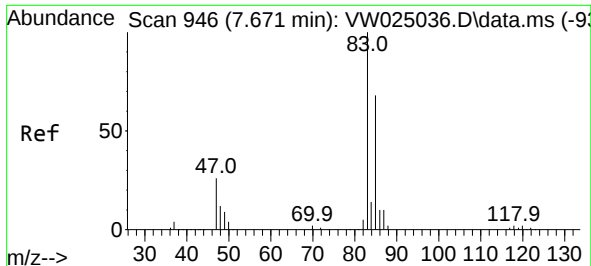
Tgt Ion: 43 Resp: 40118
Ion Ratio Lower Upper
43 100
72 31.5 14.6 44.0



#23
Bromochloromethane
Concen: 22.458 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 128 Resp: 38165
Ion Ratio Lower Upper
128 100
49 144.6 112.8 209.4
130 124.7 86.2 160.2
51 45.9 41.6 62.4

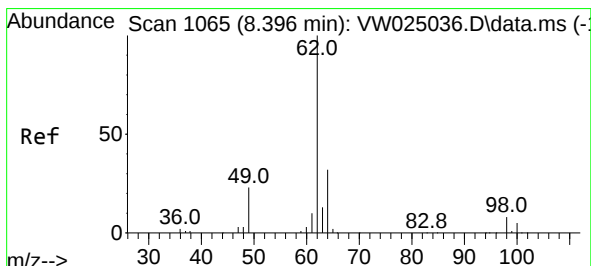
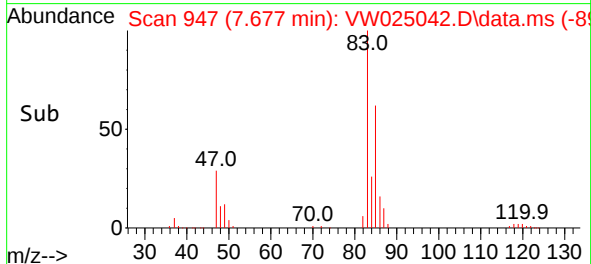
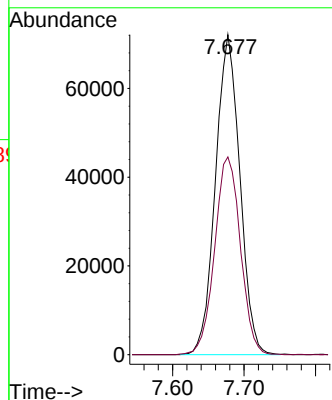
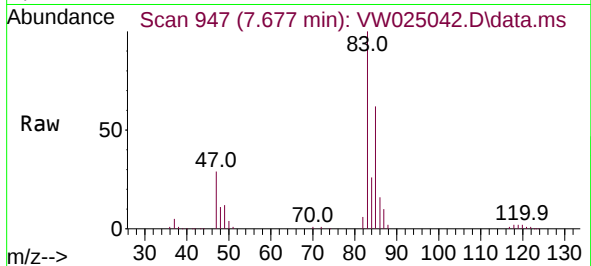




#25
Chloroform
Concen: 24.324 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

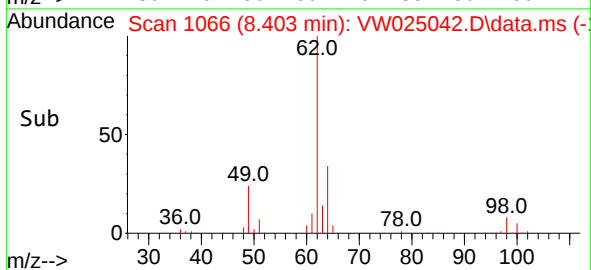
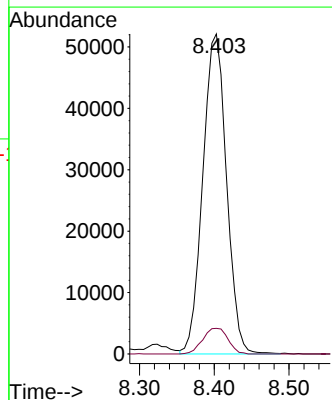
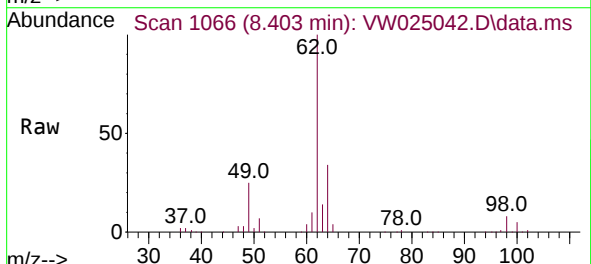
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

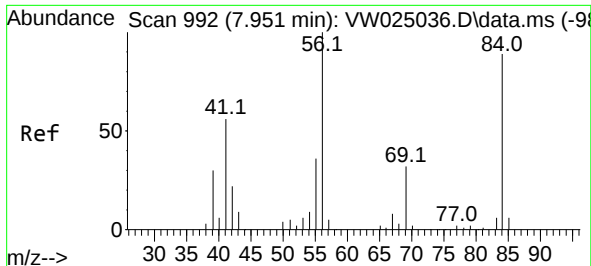
Tgt Ion: 83 Resp: 170932
Ion Ratio Lower Upper
83 100
85 61.8 47.5 88.3



#27
1,2-Dichloroethane
Concen: 24.105 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 62 Resp: 114904
Ion Ratio Lower Upper
62 100
98 8.0 7.0 10.4





#29

Cyclohexane

Concen: 19.943 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

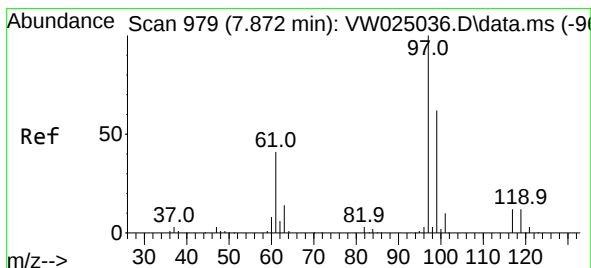
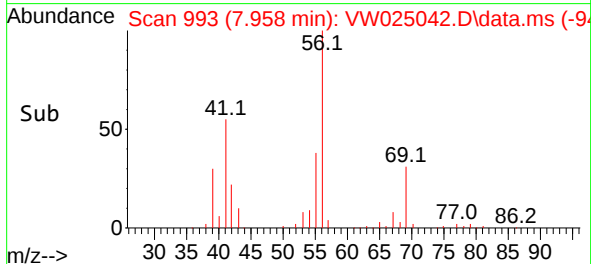
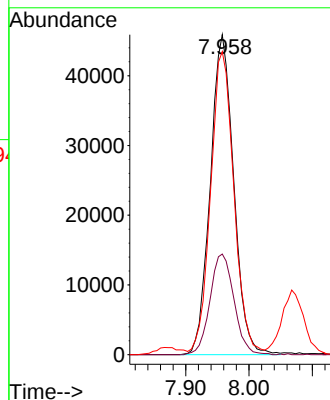
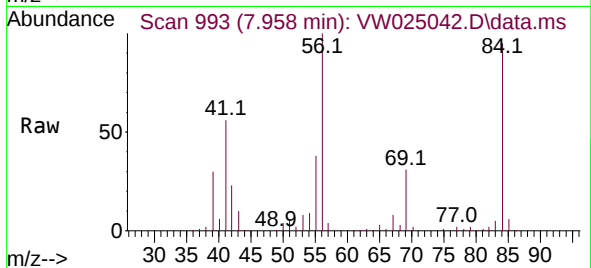
Tgt Ion: 56 Resp: 117943

Ion Ratio Lower Upper

56 100

69 32.1 25.0 37.4

84 94.5 72.6 108.8



#30

1,1,1-Trichloroethane

Concen: 23.306 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

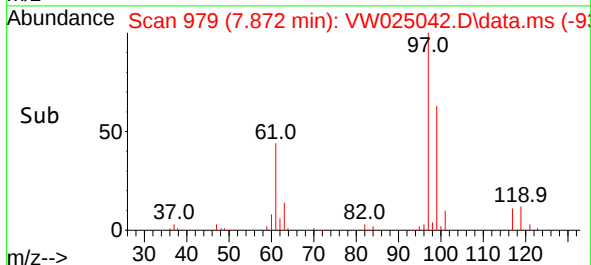
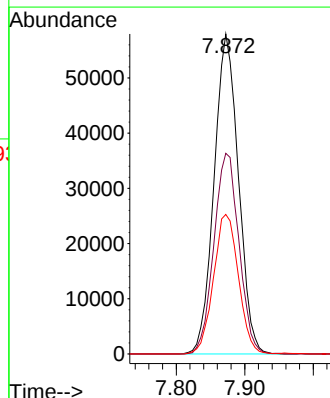
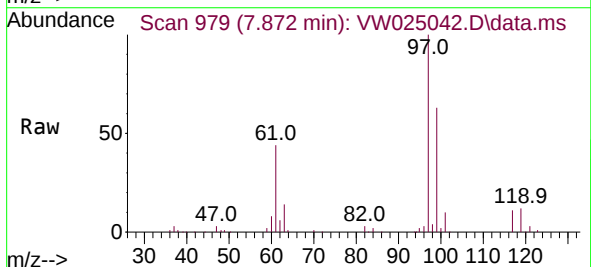
Tgt Ion: 97 Resp: 142848

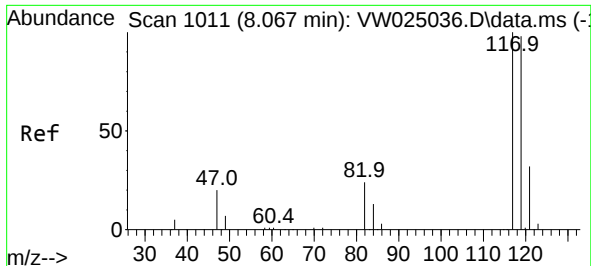
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 44.7 36.6 54.8

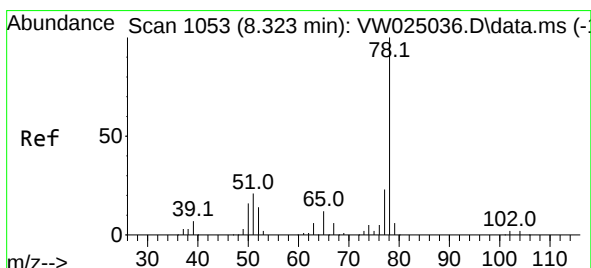
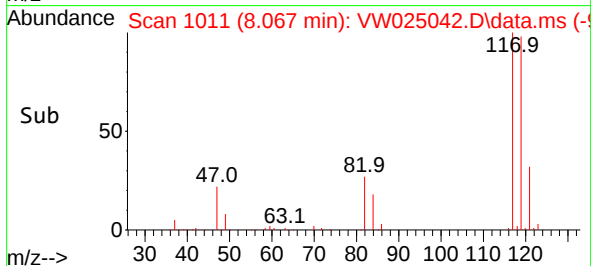
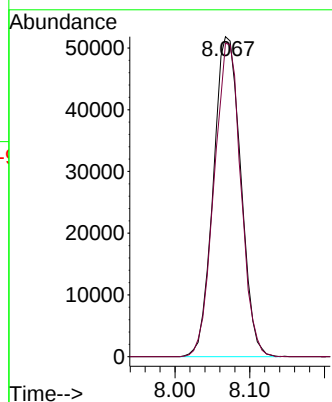
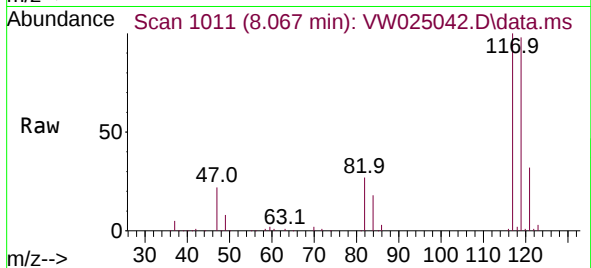




#31
Carbon tetrachloride
Concen: 24.126 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

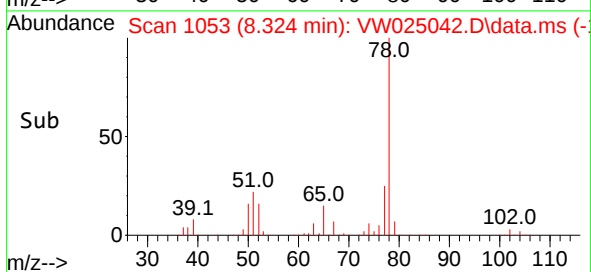
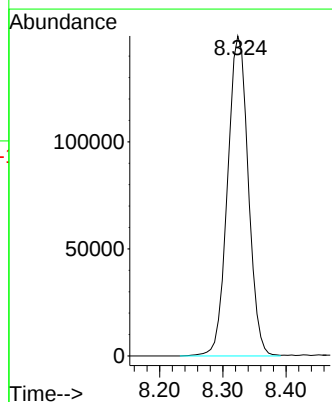
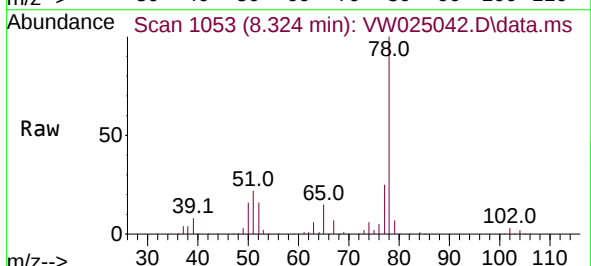
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

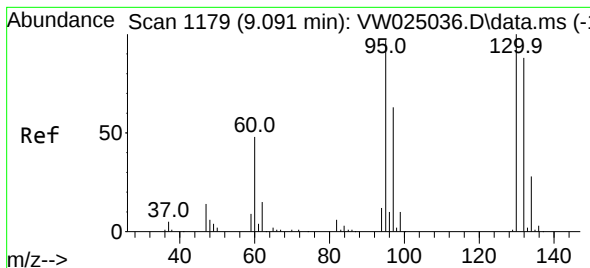
Tgt Ion:117 Resp: 132136
Ion Ratio Lower Upper
117 100
119 95.4 77.7 116.5



#33
Benzene
Concen: 22.554 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 78 Resp: 340171





#34

Trichloroethene

Concen: 22.522 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion: 95 Resp: 89924

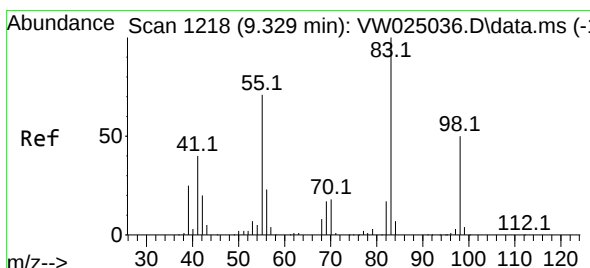
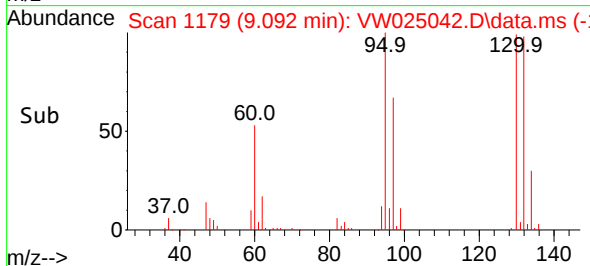
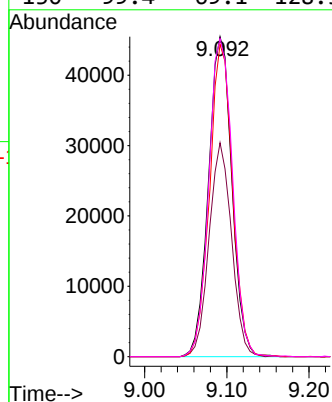
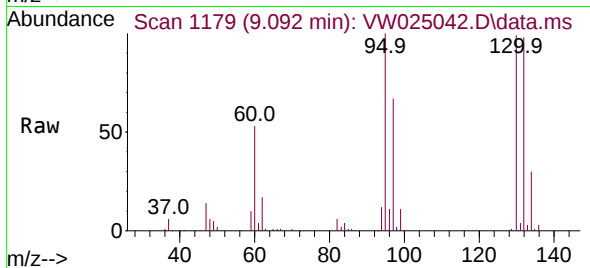
Ion Ratio Lower Upper

95 100

97 66.9 44.7 83.1

132 97.6 62.6 116.2

130 99.4 69.1 128.3



#35

Methylcyclohexane

Concen: 21.122 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

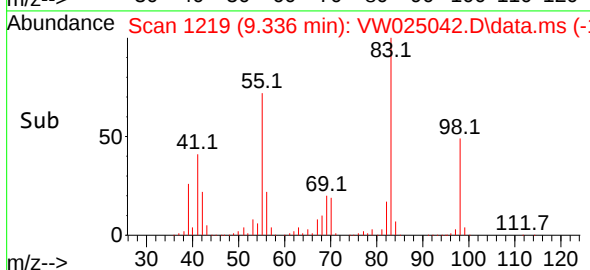
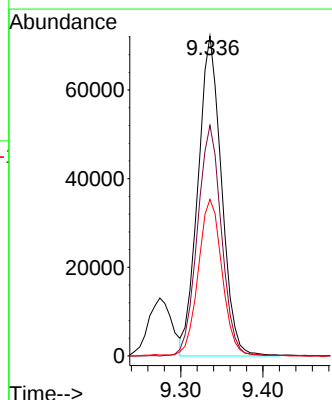
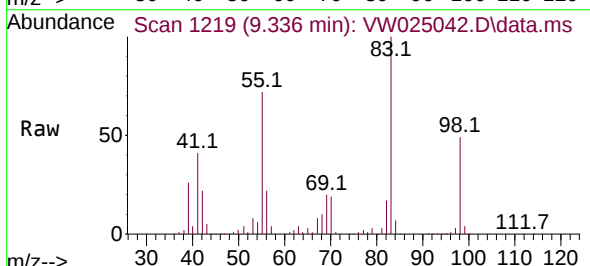
Tgt Ion: 83 Resp: 143298

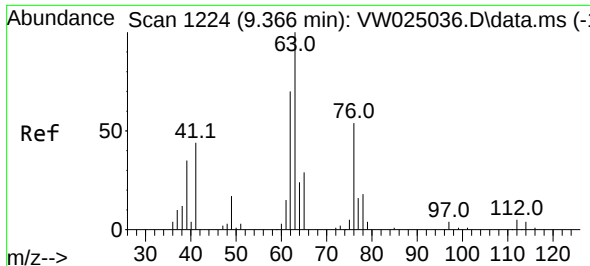
Ion Ratio Lower Upper

83 100

55 73.4 60.4 90.6

98 49.2 39.5 59.3





#37

1,2-Dichloropropane

Concen: 22.678 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

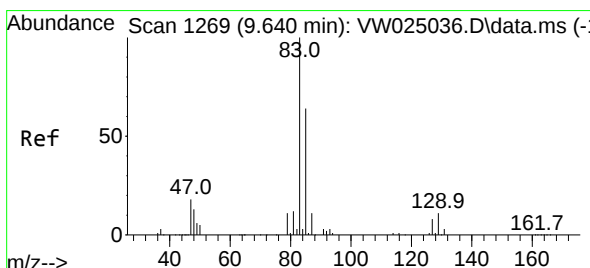
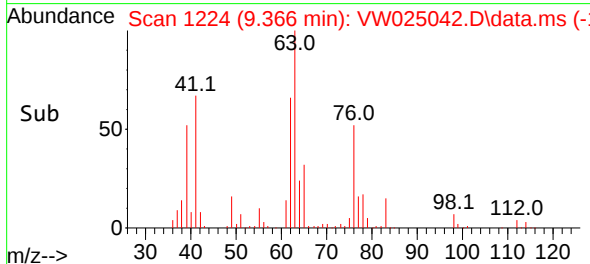
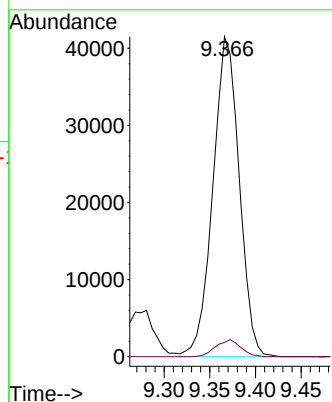
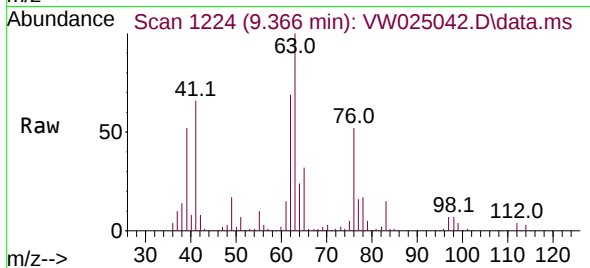
VSTD025494

Tgt Ion: 63 Resp: 83016

Ion Ratio Lower Upper

63 100

112 5.0 3.6 5.4



#38

Bromodichloromethane

Concen: 25.010 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

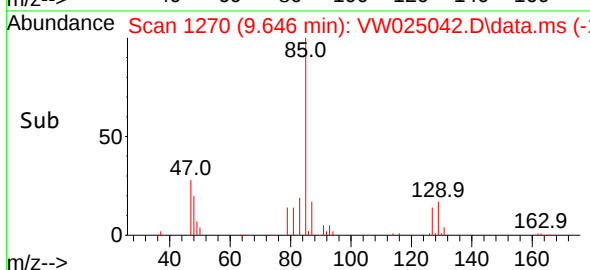
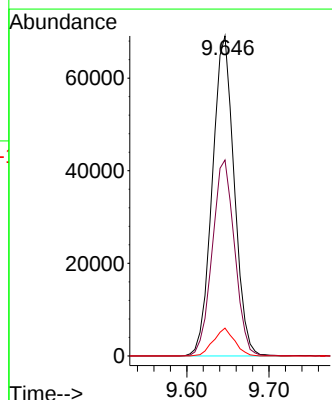
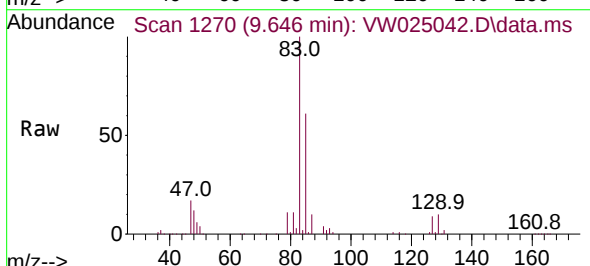
Tgt Ion: 83 Resp: 127778

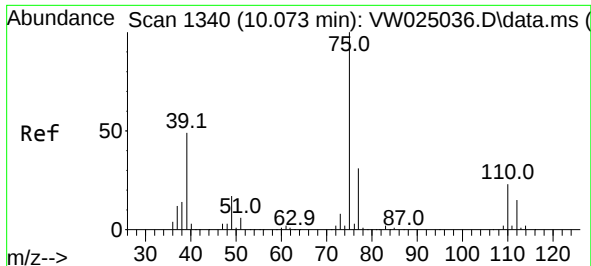
Ion Ratio Lower Upper

83 100

85 61.2 45.8 85.0

127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 23.584 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

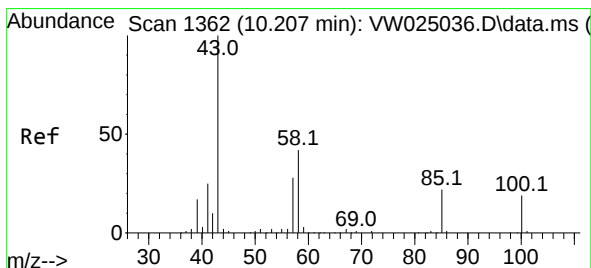
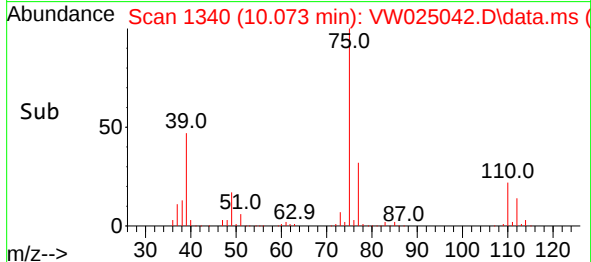
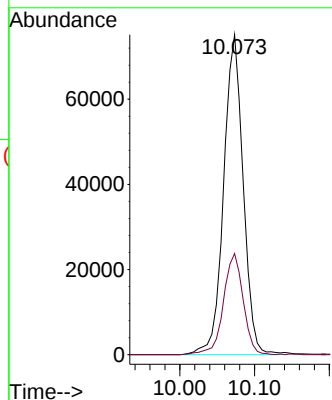
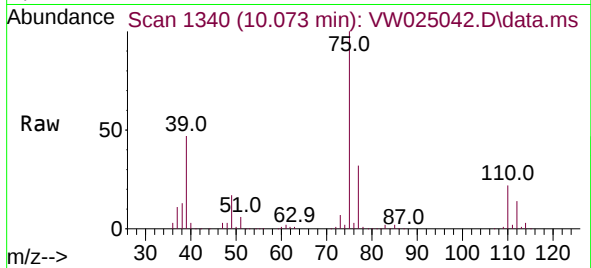
VSTD025494

Tgt Ion: 75 Resp: 136485

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 43.271 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

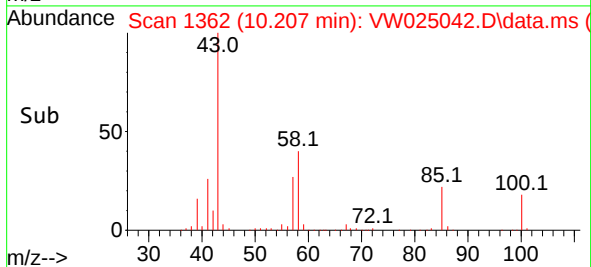
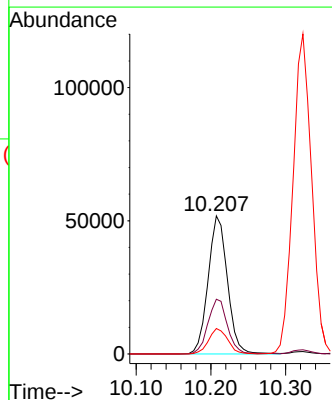
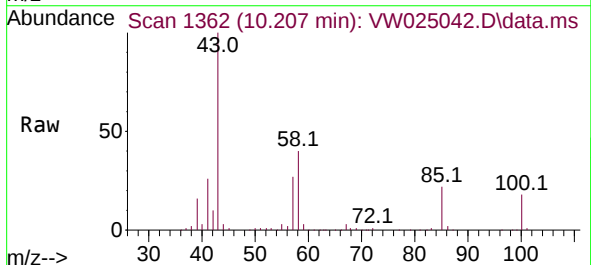
Tgt Ion: 43 Resp: 92953

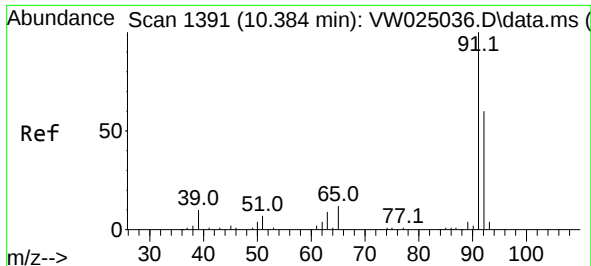
Ion Ratio Lower Upper

43 100

58 40.0 32.6 48.8

100 18.3 14.0 21.0





#42

Toluene

Concen: 23.316 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

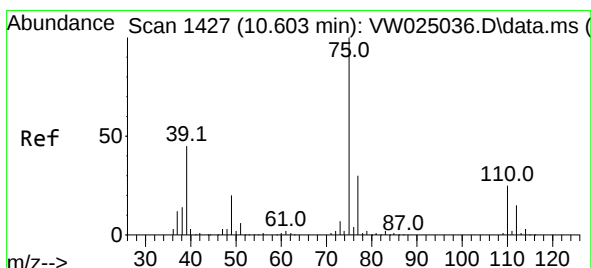
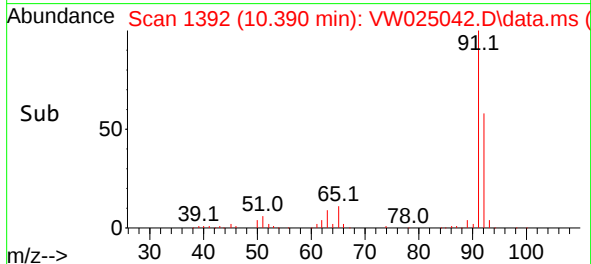
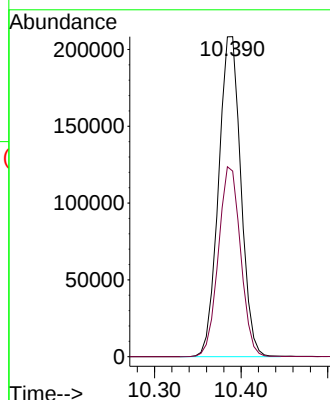
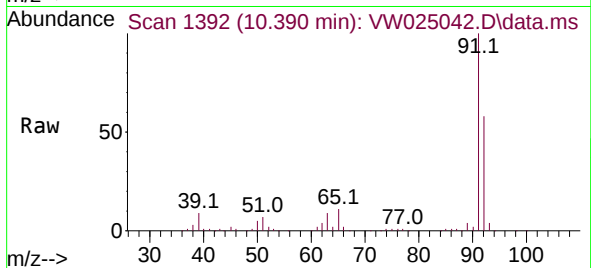
VSTD025494

Tgt Ion: 91 Resp: 373351

Ion Ratio Lower Upper

91 100

92 58.0 38.6 71.8



#44

trans-1,3-Dichloropropene

Concen: 23.395 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW025042.D

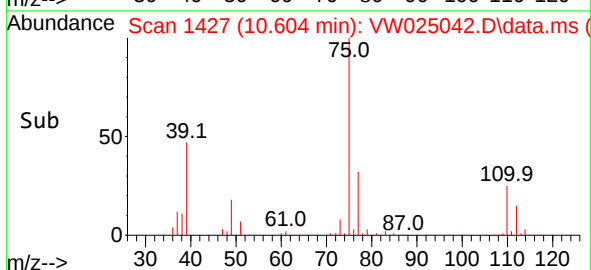
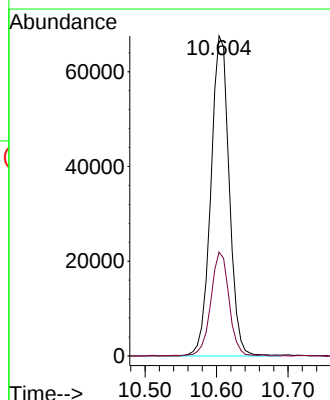
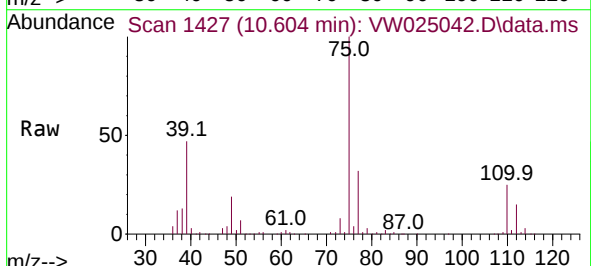
Acq: 11 Nov 2022 18:09

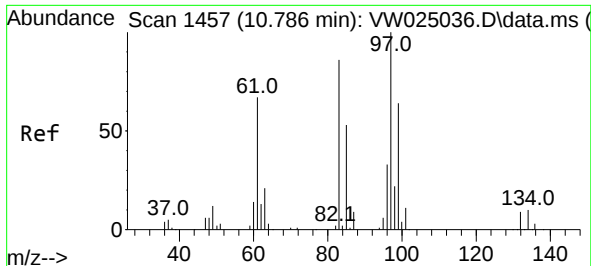
Tgt Ion: 75 Resp: 120363

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 23.270 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion: 97 Resp: 64316

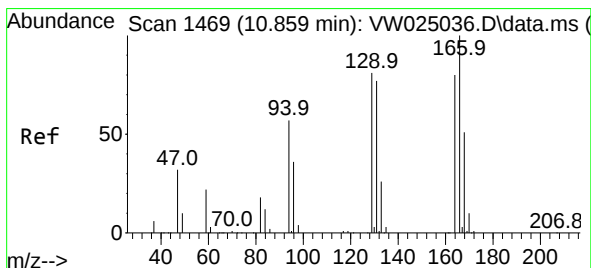
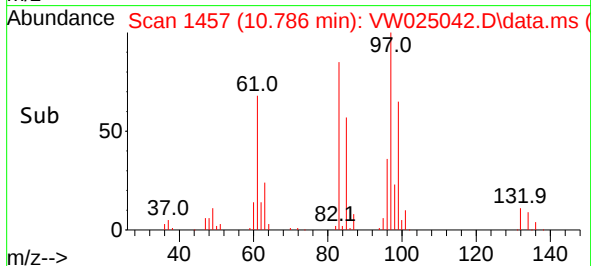
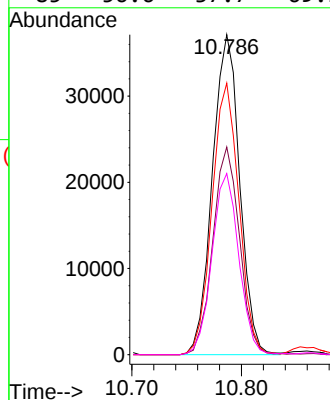
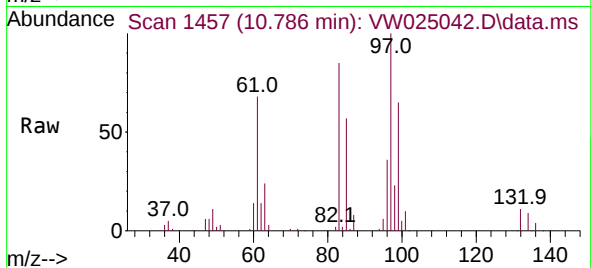
Ion Ratio Lower Upper

97 100

99 64.9 44.0 81.6

83 84.9 59.9 111.3

85 56.6 37.7 69.9



#46

Tetrachloroethene

Concen: 22.692 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Tgt Ion:164 Resp: 64794

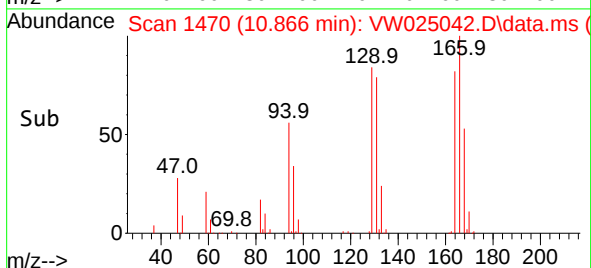
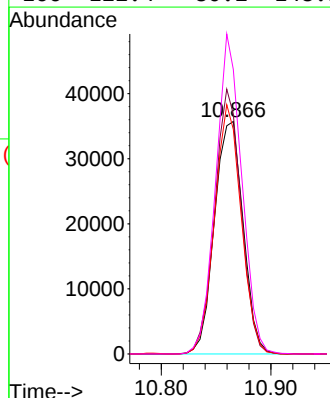
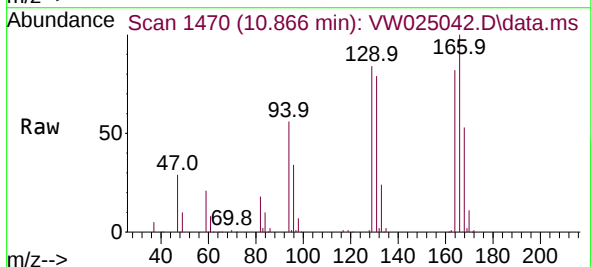
Ion Ratio Lower Upper

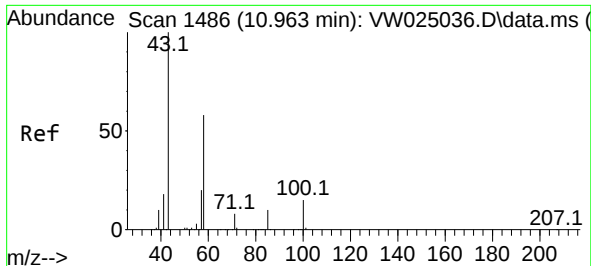
164 100

129 103.2 72.9 135.5

131 96.6 70.1 130.3

166 122.4 80.2 148.9

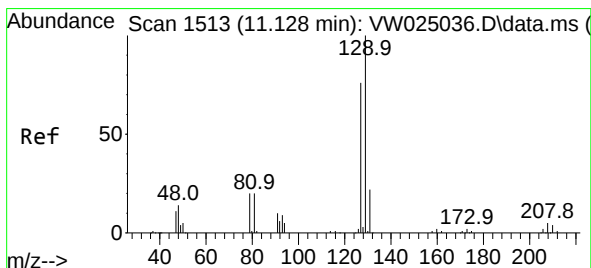
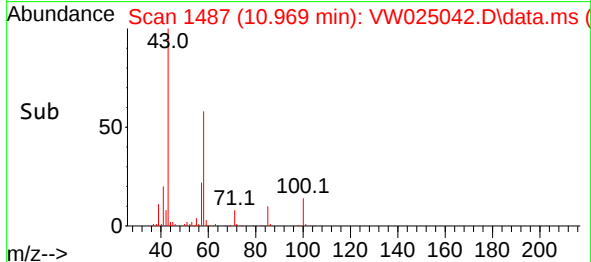
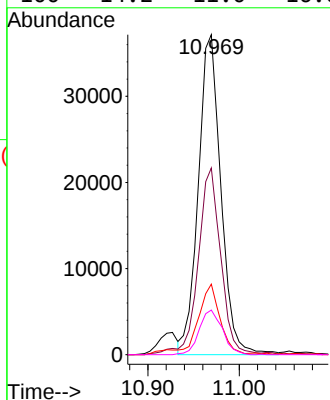
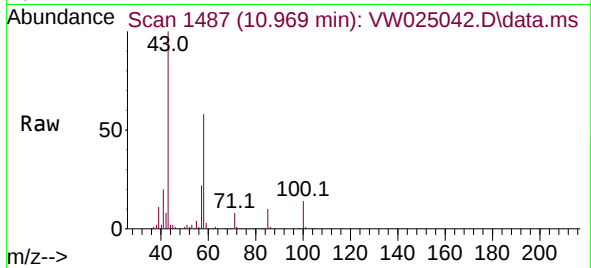




#48
2-Hexanone
Concen: 43.057 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

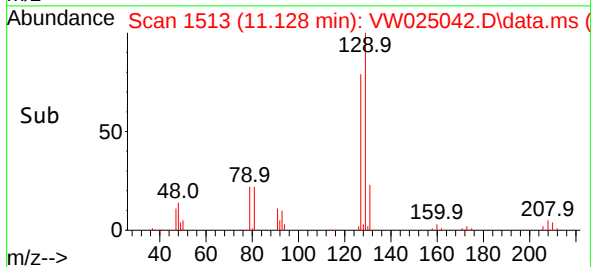
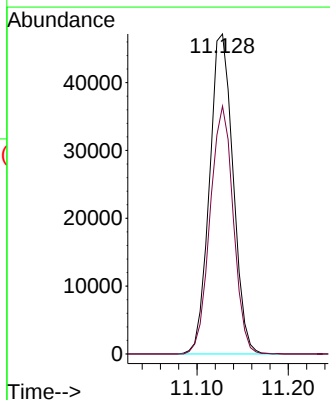
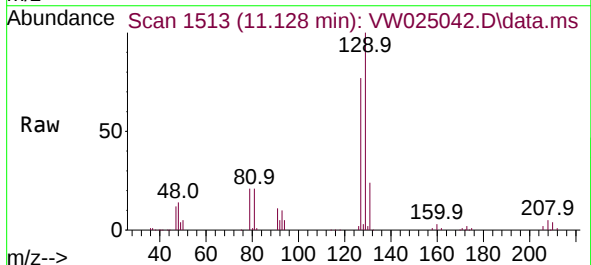
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

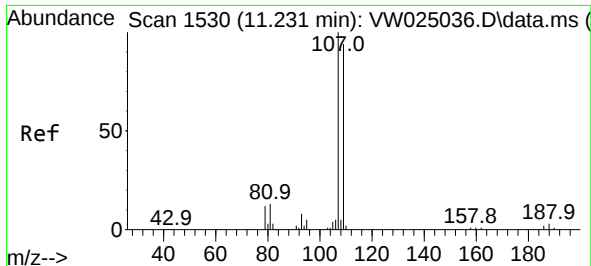
Tgt Ion:	43	Resp:	63967
Ion	Ratio	Lower	Upper
43	100		
58	56.5	46.1	69.1
57	20.4	16.2	24.2
100	14.2	11.0	16.6



#49
Dibromochloromethane
Concen: 25.088 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion:	129	Resp:	84526
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.2	98.8





#50

1,2-Dibromoethane

Concen: 23.088 ug/L

RT: 11.232 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

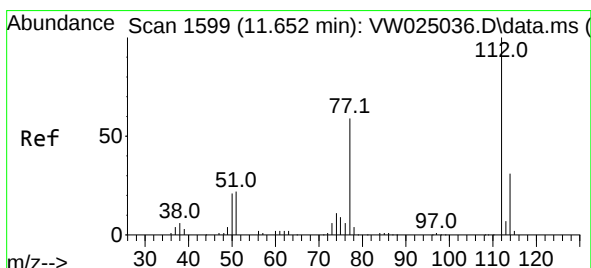
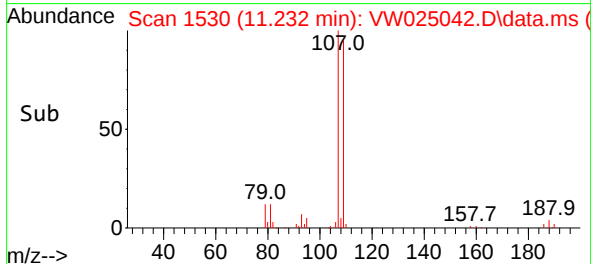
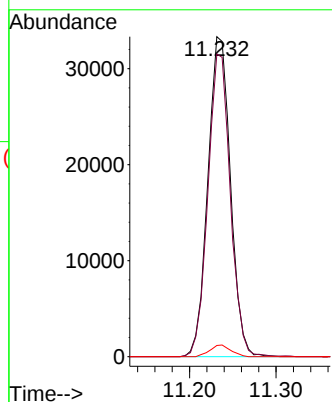
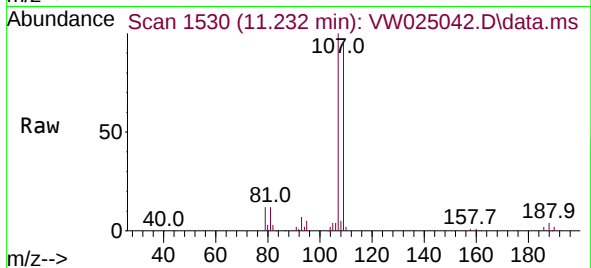
Tgt Ion:107 Resp: 60352

Ion Ratio Lower Upper

107 100

109 94.6 64.5 119.7

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 23.723 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

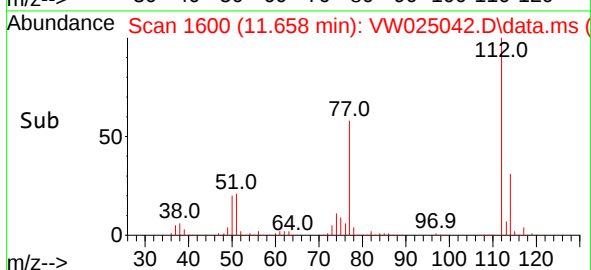
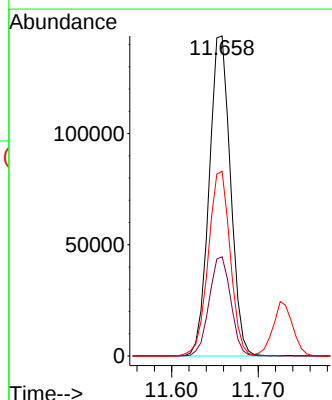
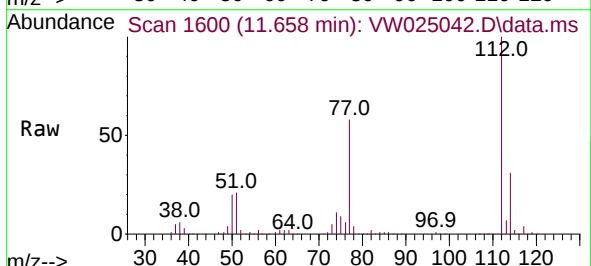
Tgt Ion:112 Resp: 246221

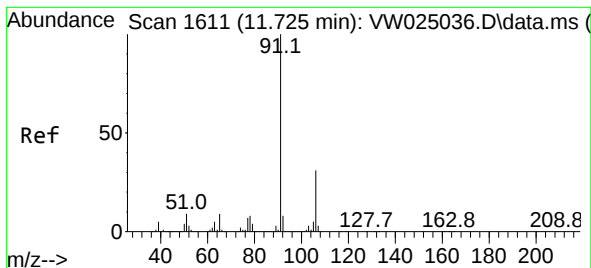
Ion Ratio Lower Upper

112 100

114 31.0 20.8 38.6

77 57.7 48.2 72.2





#52

Ethylbenzene

Concen: 23.070 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

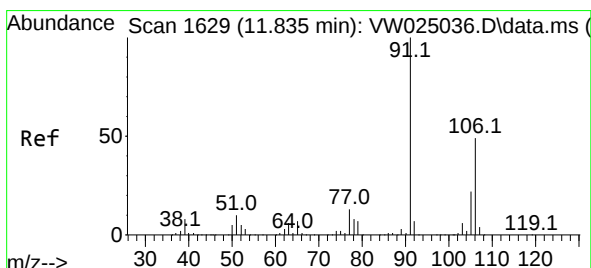
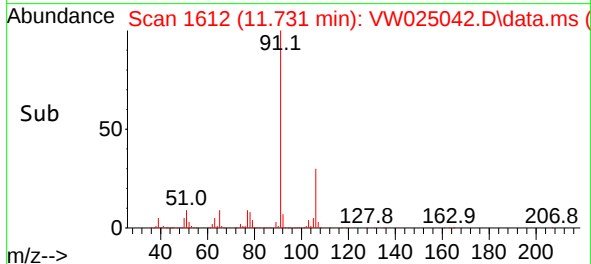
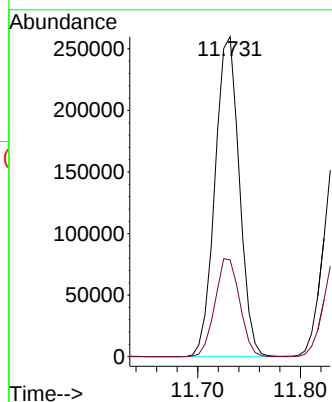
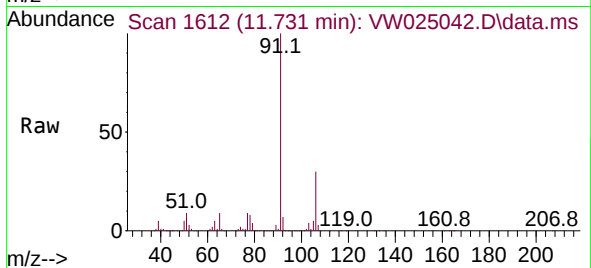
VSTD025494

Tgt Ion: 91 Resp: 426412

Ion Ratio Lower Upper

91 100

106 30.2 22.3 41.5



#53

m,p-Xylene

Concen: 23.067 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW025042.D

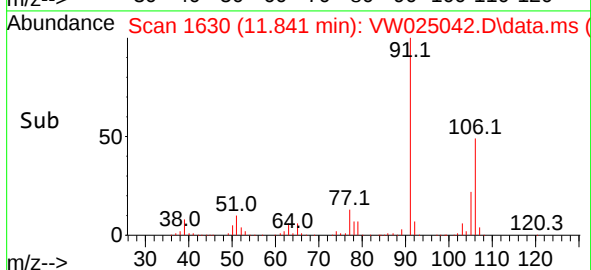
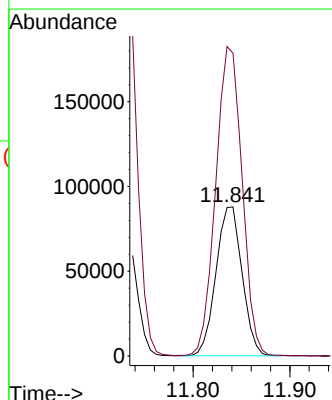
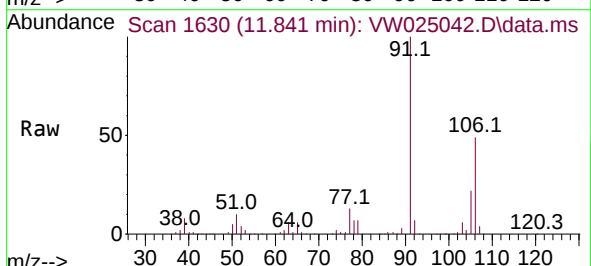
Acq: 11 Nov 2022 18:09

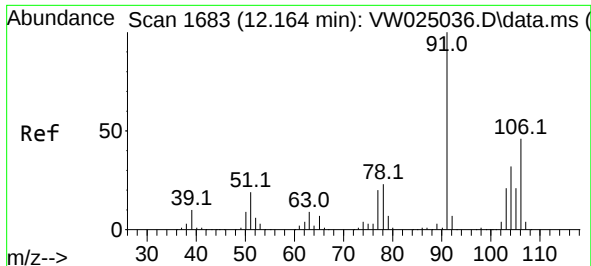
Tgt Ion:106 Resp: 165037

Ion Ratio Lower Upper

106 100

91 203.2 143.9 267.2

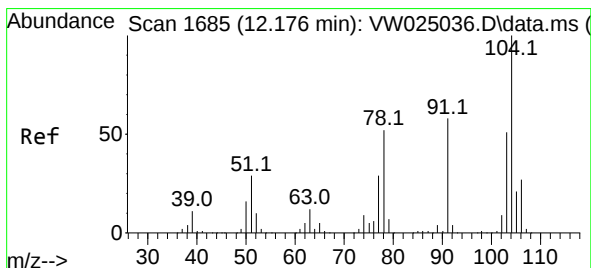
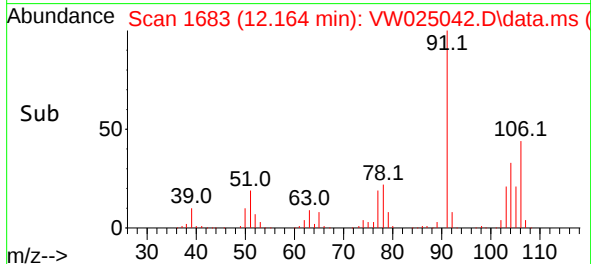
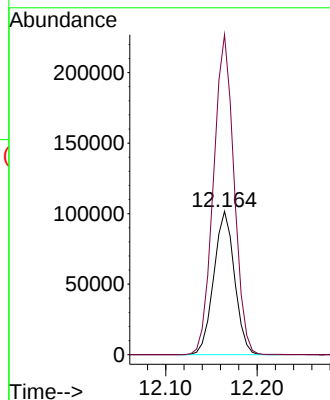
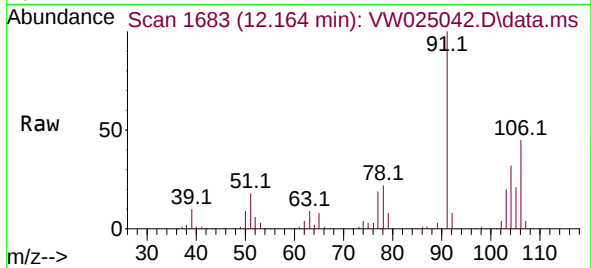




#54
o-Xylene
Concen: 23.756 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

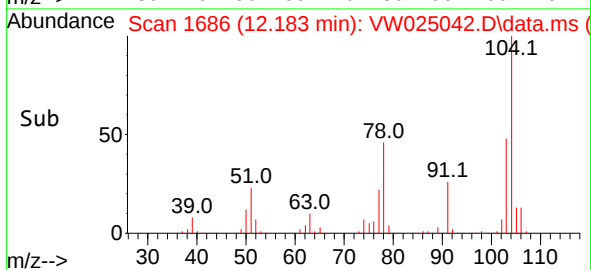
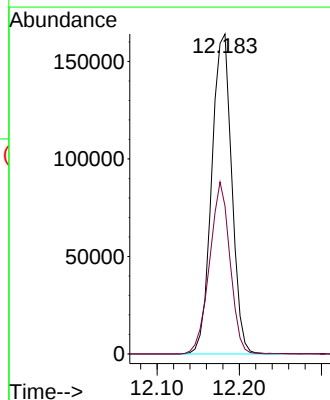
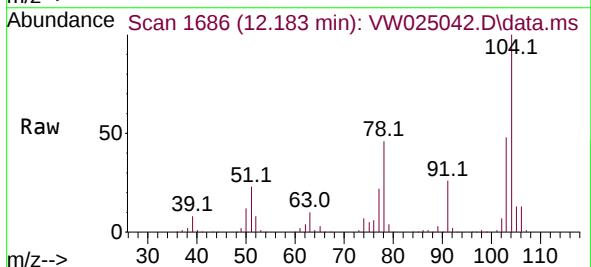
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

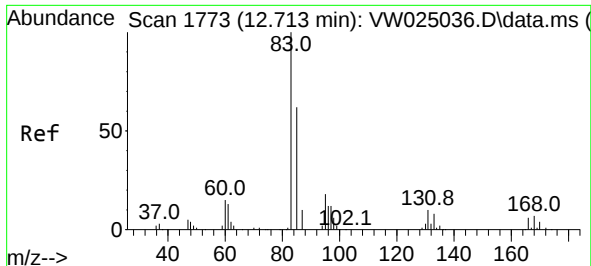
Tgt Ion:106 Resp: 160350
Ion Ratio Lower Upper
106 100
91 223.2 153.5 285.1



#55
Styrene
Concen: 23.706 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion:104 Resp: 277914
Ion Ratio Lower Upper
104 100
78 46.2 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 23.130 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

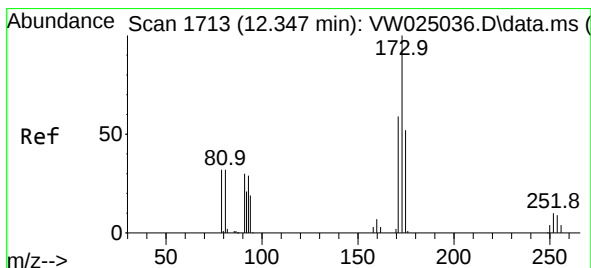
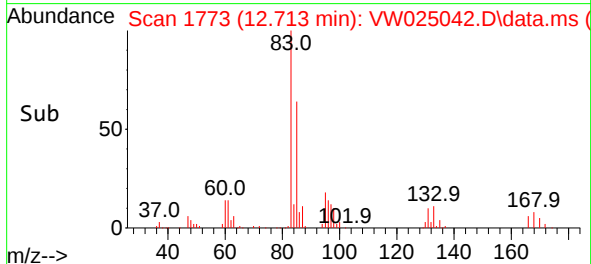
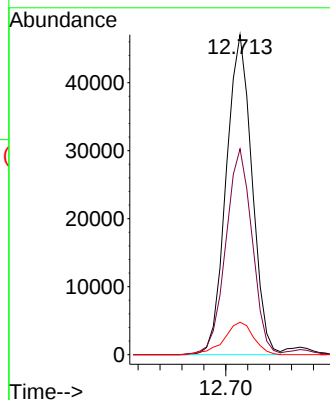
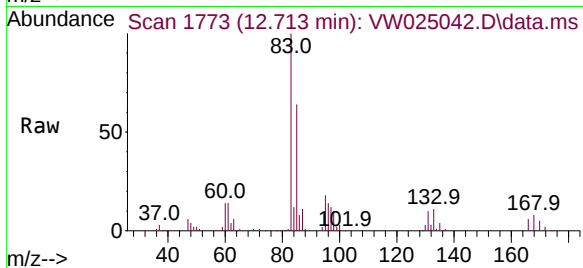
Tgt Ion: 83 Resp: 76691

Ion Ratio Lower Upper

83 100

85 64.3 46.4 86.2

131 10.1 8.2 12.4



#59

Bromoform

Concen: 23.316 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

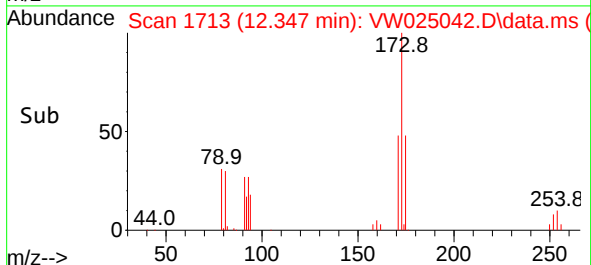
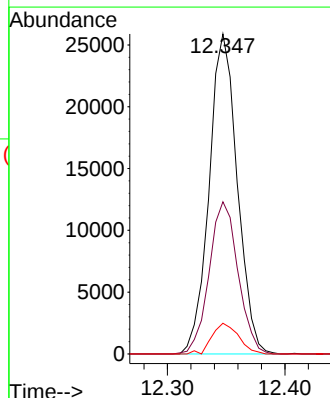
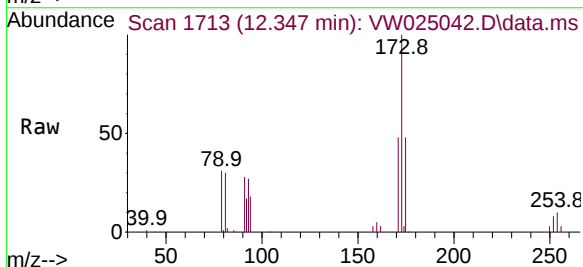
Tgt Ion:173 Resp: 43088

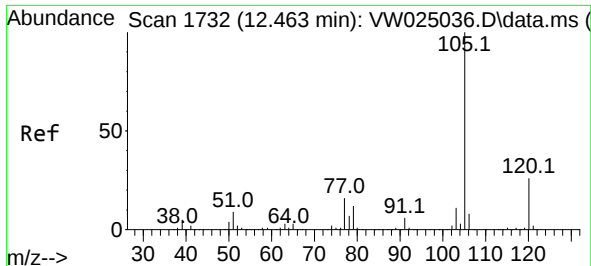
Ion Ratio Lower Upper

173 100

175 48.8 37.4 56.2

254 8.8 5.8 8.8#

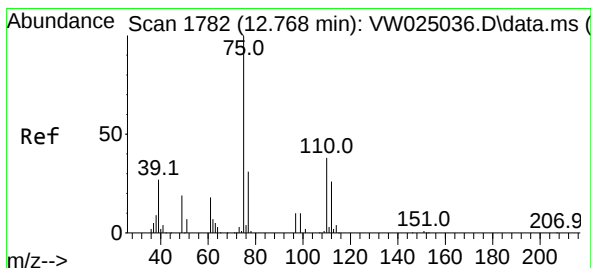
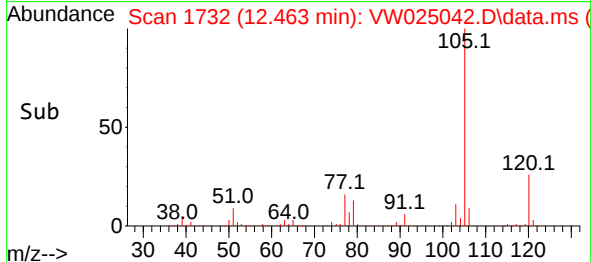
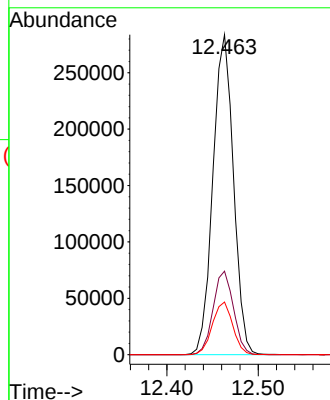
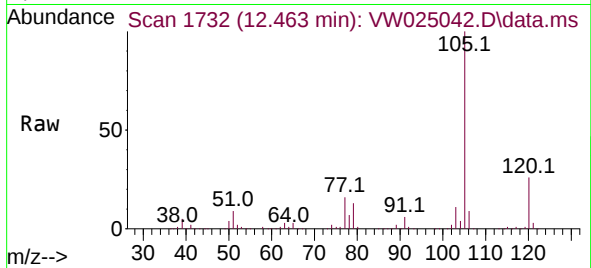




#60
Isopropylbenzene
Concen: 22.515 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

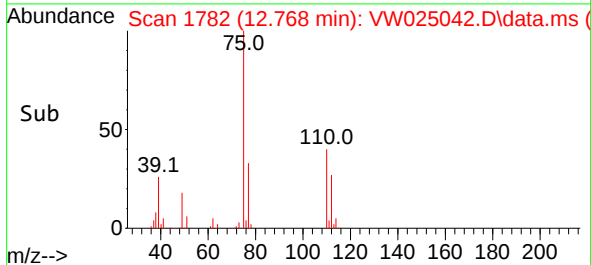
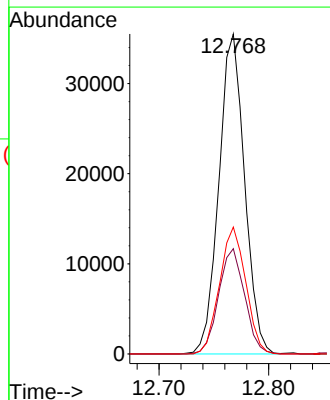
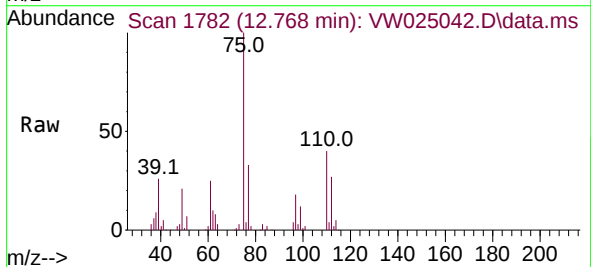
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

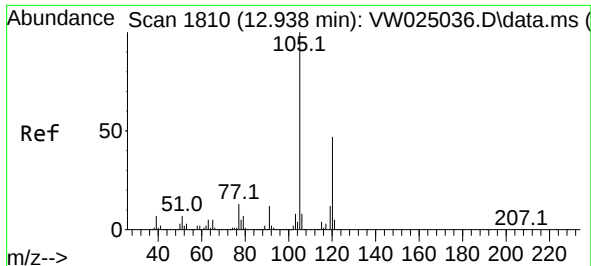
Tgt Ion:105 Resp: 442275
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.4 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 22.041 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 75 Resp: 57855
Ion Ratio Lower Upper
75 100
77 33.3 25.7 38.5
110 40.3 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 23.311 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

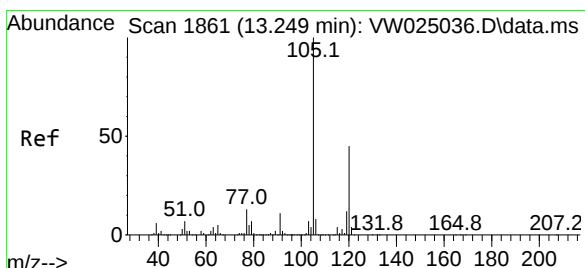
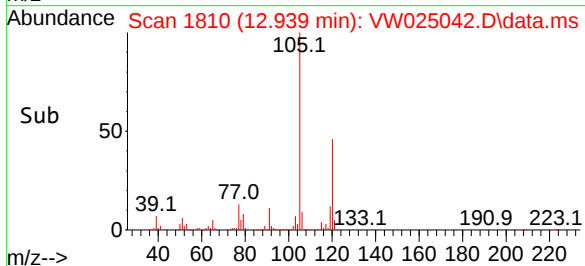
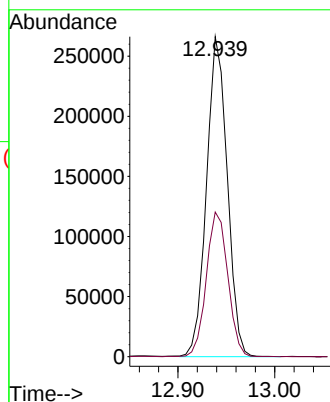
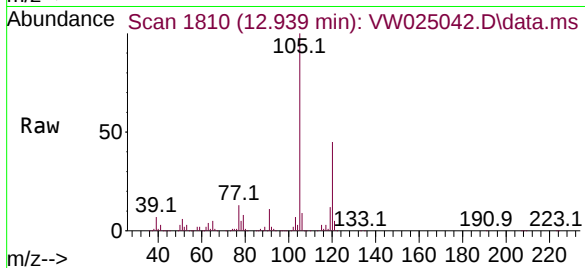
VSTD025494

Tgt Ion:105 Resp: 397492

Ion Ratio Lower Upper

105 100

120 46.8 37.6 56.4



#63

1,2,4-Trimethylbenzene

Concen: 23.077 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW025042.D

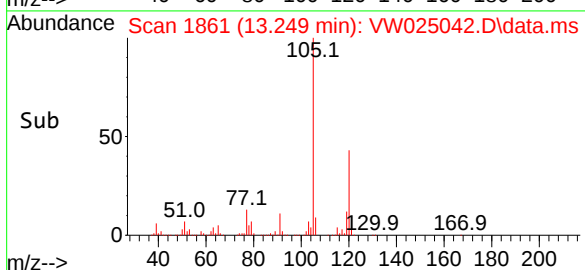
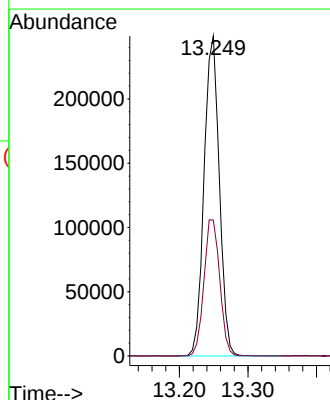
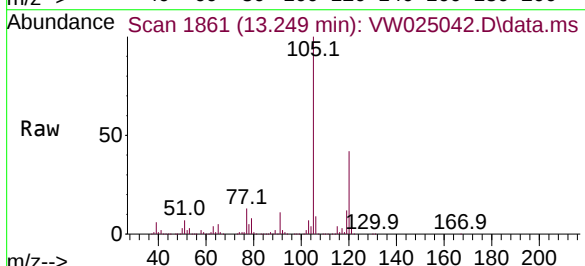
Acq: 11 Nov 2022 18:09

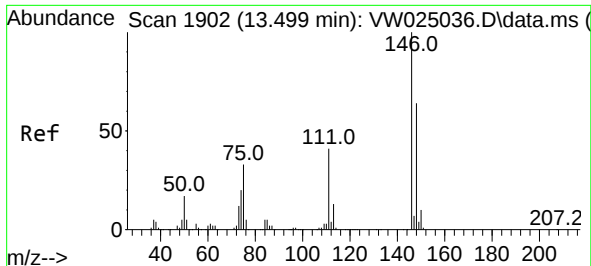
Tgt Ion:105 Resp: 385872

Ion Ratio Lower Upper

105 100

120 44.2 35.7 53.5

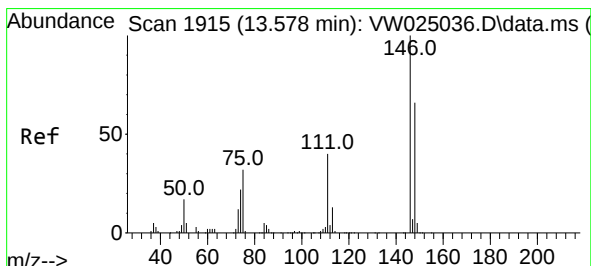
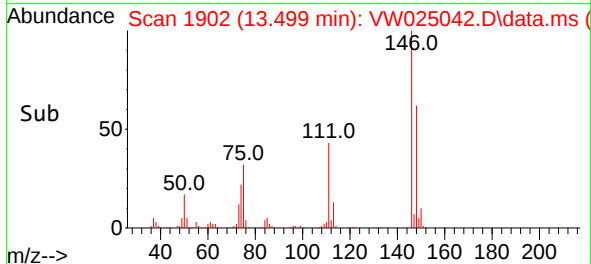
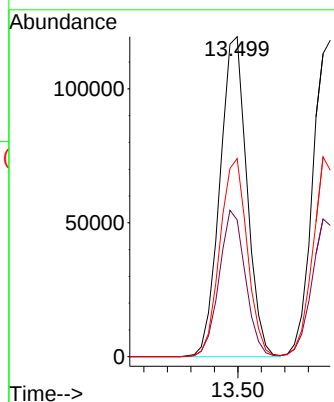
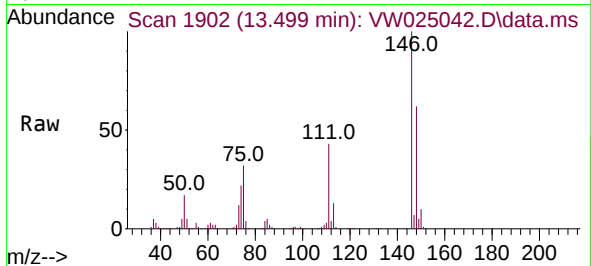




#64
1,3-Dichlorobenzene
Concen: 23.331 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

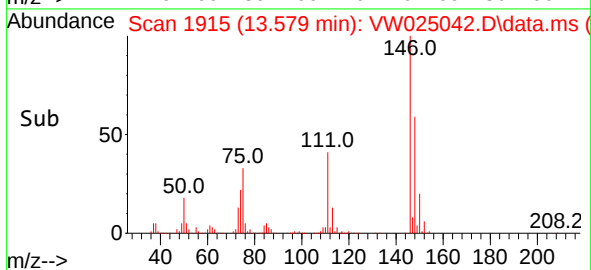
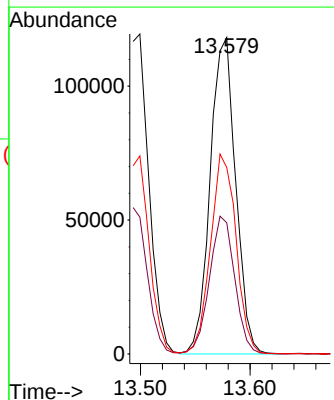
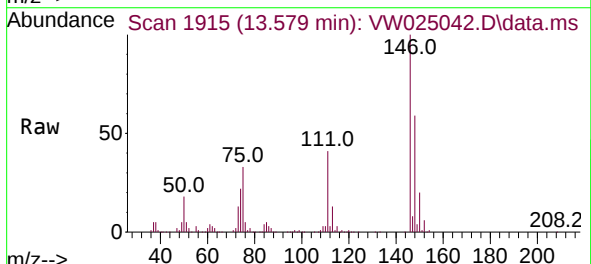
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

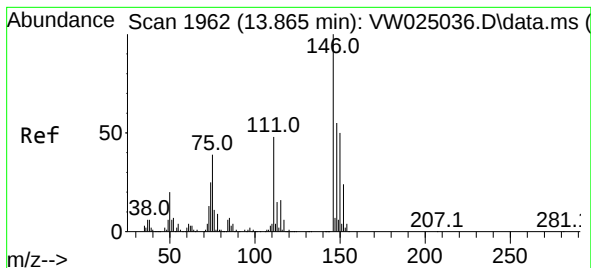
Tgt Ion:146 Resp: 191142
Ion Ratio Lower Upper
146 100
111 42.8 31.1 57.7
148 61.9 47.2 87.6



#65
1,4-Dichlorobenzene
Concen: 23.391 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion:146 Resp: 191220
Ion Ratio Lower Upper
146 100
111 41.5 28.8 53.6
148 58.9 44.7 82.9

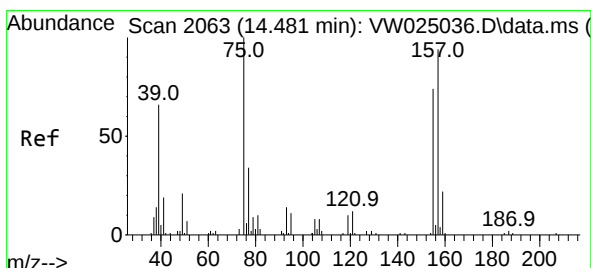
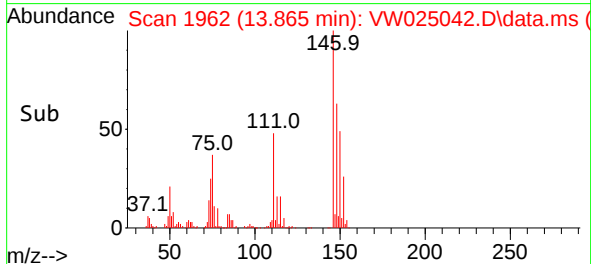
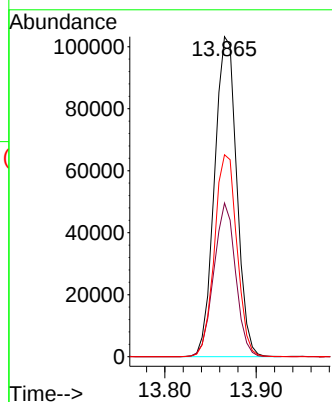
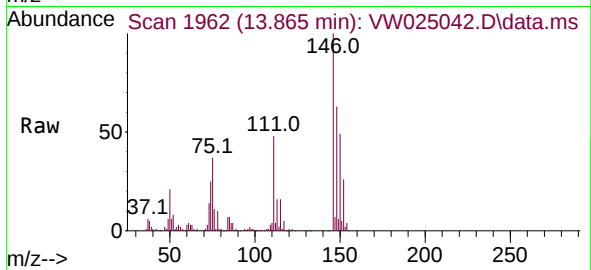




#67
1,2-Dichlorobenzene
Concen: 23.672 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

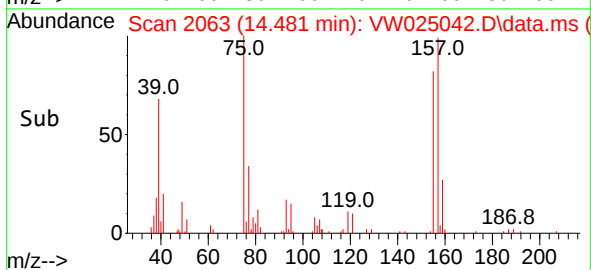
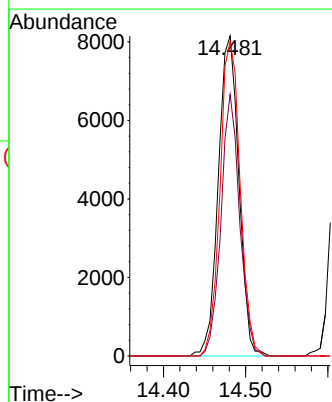
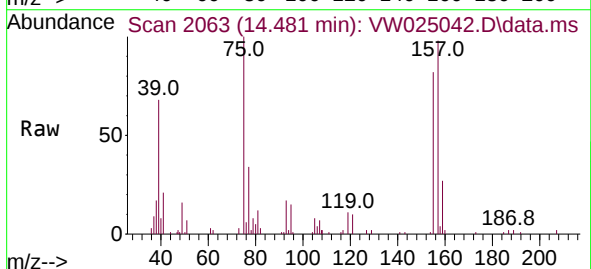
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

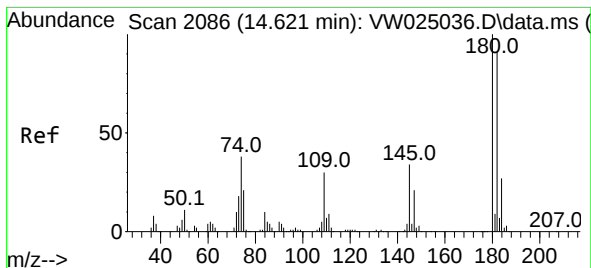
Tgt Ion:146 Resp: 174375
Ion Ratio Lower Upper
146 100
111 48.0 34.2 51.4
148 63.1 47.1 70.7



#68
1,2-Dibromo-3-chloropropane
Concen: 23.282 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW025042.D
Acq: 11 Nov 2022 18:09

Tgt Ion: 75 Resp: 14123
Ion Ratio Lower Upper
75 100
155 81.7 61.2 91.8
157 98.3 72.4 108.6

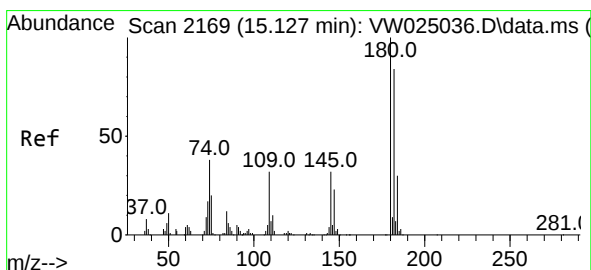
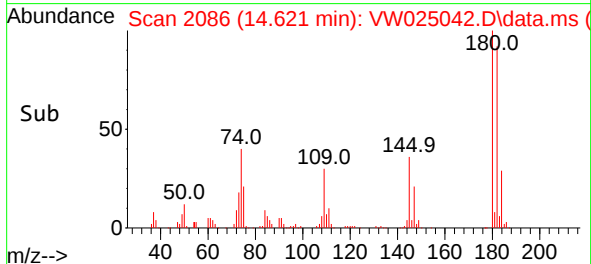
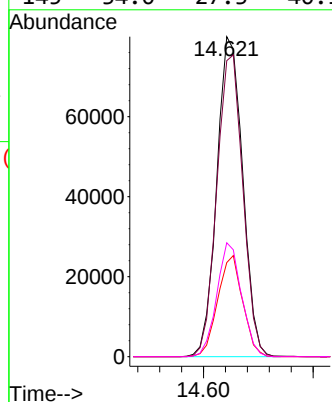
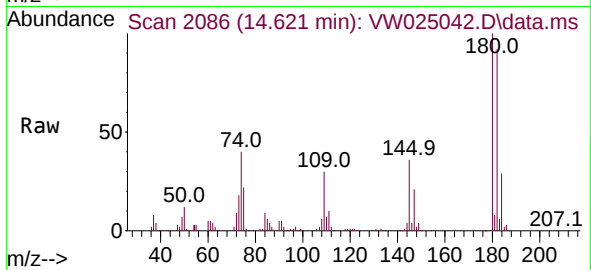




#69
 1,3,5-Trichlorobenzene
 Concen: 24.149 ug/L
 RT: 14.621 min Scan# 2086
 Delta R.T. 0.000 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

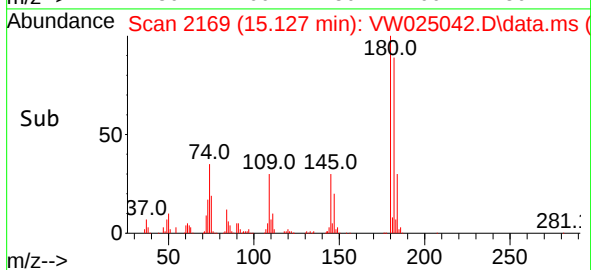
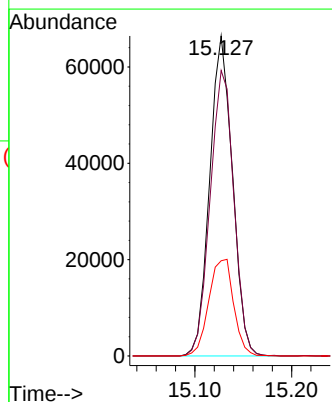
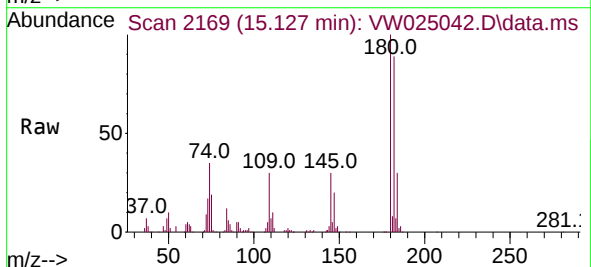
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025494

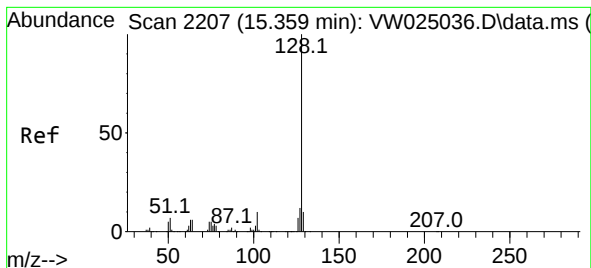
Tgt Ion:180 Resp: 131043
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.7 113.5
 184 30.5 23.4 35.2
 145 34.0 27.3 40.9



#70
 1,2,4-trichlorobenzene
 Concen: 25.828 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. 0.000 min
 Lab File: VW025042.D
 Acq: 11 Nov 2022 18:09

Tgt Ion:180 Resp: 108932
 Ion Ratio Lower Upper
 180 100
 182 92.6 74.9 112.3
 145 32.9 27.0 40.4





#71

Naphthalene

Concen: 25.304 ug/L

RT: 15.359 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

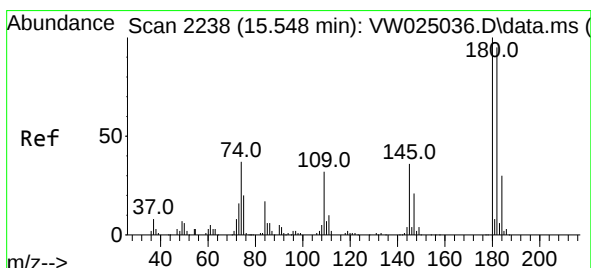
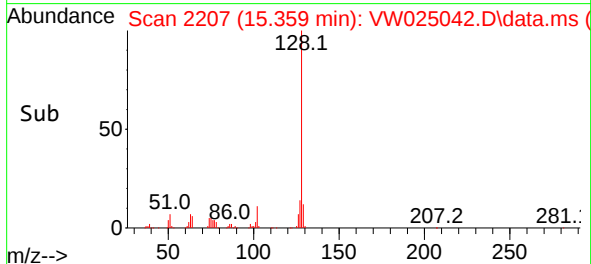
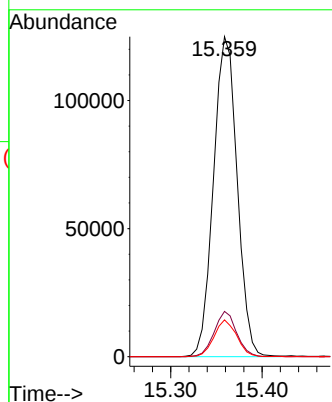
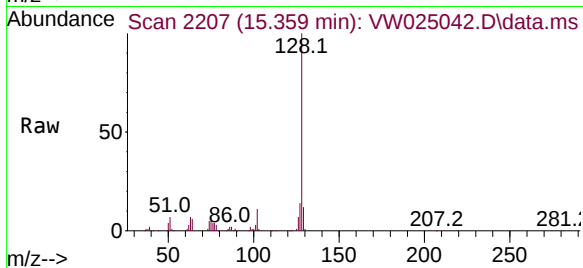
Tgt Ion:128 Resp: 225137

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.780 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW025042.D

Acq: 11 Nov 2022 18:09

Tgt Ion:180 Resp: 91064

Ion Ratio Lower Upper

180 100

182 99.5 74.1 111.1

145 38.6 28.2 42.2

