

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071922\
 Data File : VW023871.D
 Acq On : 19 Jul 2022 09:10
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025495

Quant Time: Jul 20 01:13:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 19 02:51:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	336367	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	318284	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	183446	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	159418	18.556	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.240%
7) Chloroethane-d5	2.879	69	111092	19.383	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.520%
11) 1,1-Dichloroethene-d2	4.013	63	197496	28.231	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.920%#
21) 2-Butanone-d5	7.074	46	63590	47.720	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.440%
24) Chloroform-d	7.647	84	246339	25.154	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	8.305	65	129518	21.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.480%
32) Benzene-d6	8.275	84	471178	28.478	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.920%
36) 1,2-Dichloropropane-d6	9.274	67	134203	26.928	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.720%
41) Toluene-d8	10.323	98	446555	26.609	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.440%
43) trans-1,3-Dichloroprop...	10.573	79	60331	25.826	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.320%
47) 2-Hexanone-d5	10.920	63	53803	51.339	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.680%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	133200	24.184	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.720%
66) 1,2-Dichlorobenzene-d4	13.853	152	169292	25.851	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	51931	22.719	ug/L	95
3) Chloromethane	2.215	50	115858	20.697	ug/L	97
5) Vinyl chloride	2.355	62	178402	18.560	ug/L	100
6) Bromomethane	2.769	94	110114	17.711	ug/L	91
8) Chloroethane	2.916	64	86813	19.305	ug/L	100
9) Trichlorofluoromethane	3.251	101	72259	16.538	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	125155	29.269	ug/L	98
12) 1,1-Dichloroethene	4.037	96	104584	29.331	ug/L	84
13) Acetone	4.123	43	47589	50.511	ug/L	100
14) Carbon disulfide	4.379	76	270400	25.780	ug/L	99
15) Methyl Acetate	4.672	43	49065	23.269	ug/L	96
16) Methylene chloride	4.909	84	118997	22.624	ug/L	97
17) trans-1,2-Dichloroethene	5.421	96	116058	26.827	ug/L	99
18) Methyl tert-butyl Ether	5.428	73	177066	26.456	ug/L	97
19) 1,1-Dichloroethane	6.214	63	211093	26.452	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	130218	27.170	ug/L #	97
22) 2-Butanone	7.165	43	73766	47.643	ug/L	99
23) Bromochloromethane	7.513	128	62621	27.198	ug/L	92
25) Chloroform	7.677	83	235405	25.606	ug/L	93

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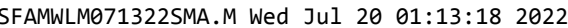
Instrument :
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 ClientSampleId :
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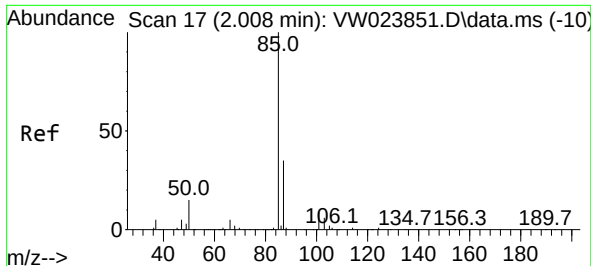
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 Quant Title : SFAM01.0
 QLast Update : Tue Jul 19 02:51:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	151352	22.369	ug/L	97
29) Cyclohexane	7.951	56	169312	29.085	ug/L	98
30) 1,1,1-Trichloroethane	7.866	97	200143	29.042	ug/L	98
31) Carbon tetrachloride	8.067	117	184876	29.759	ug/L	99
33) Benzene	8.323	78	495024	27.369	ug/L	100
34) Trichloroethene	9.091	95	132853	27.815	ug/L	94
35) Methylcyclohexane	9.335	83	210926	29.001	ug/L	95
37) 1,2-Dichloropropane	9.366	63	120569	26.589	ug/L	99
38) Bromodichloromethane	9.646	83	173759	27.456	ug/L #	95
39) cis-1,3-Dichloropropene	10.073	75	191922	28.081	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	157017	49.761	ug/L	95
42) Toluene	10.384	91	557787	27.041	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	173485	26.706	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	103903	26.205	ug/L	98
46) Tetrachloroethene	10.859	164	106378	28.804	ug/L	96
48) 2-Hexanone	10.969	43	114350	49.774	ug/L	94
49) Dibromochloromethane	11.128	129	127895	27.815	ug/L	97
50) 1,2-Dibromoethane	11.231	107	100456	26.372	ug/L #	94
51) Chlorobenzene	11.658	112	373481	26.846	ug/L	94
52) Ethylbenzene	11.731	91	628974	26.833	ug/L	98
53) m,p-Xylene	11.841	106	252967	27.660	ug/L	89
54) o-Xylene	12.164	106	241190	27.461	ug/L	94
55) Styrene	12.176	104	415987	26.810	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.713	83	129829	24.006	ug/L	100
59) Bromoform	12.347	173	73158	27.045	ug/L #	97
60) Isopropylbenzene	12.463	105	656851	26.655	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	92429	22.978	ug/L	96
62) 1,3,5-Trimethylbenzene	12.938	105	548547	27.190	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	545758	27.057	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	302097	27.001	ug/L	96
65) 1,4-Dichlorobenzene	13.572	146	307062	25.797	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	291342	27.610	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	20216	21.790	ug/L #	64
69) 1,3,5-Trichlorobenzene	14.627	180	218246	29.470	ug/L	97
70) 1,2,4-trichlorobenzene	15.133	180	168891	29.534	ug/L	99
71) Naphthalene	15.359	128	353139	28.789	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	157651	29.578	ug/L	94

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

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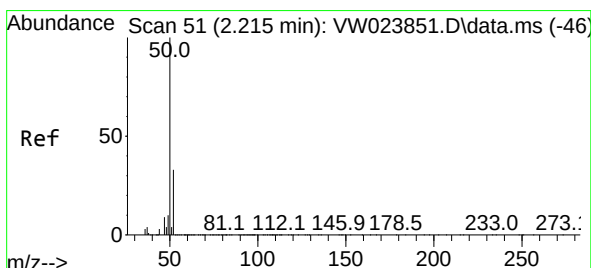
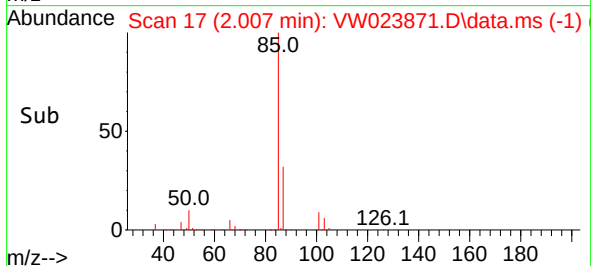
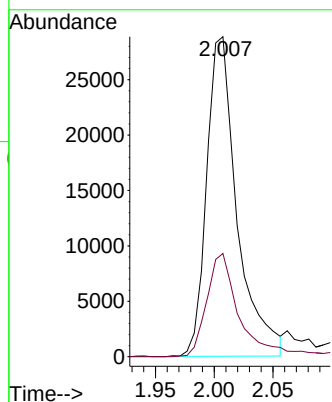
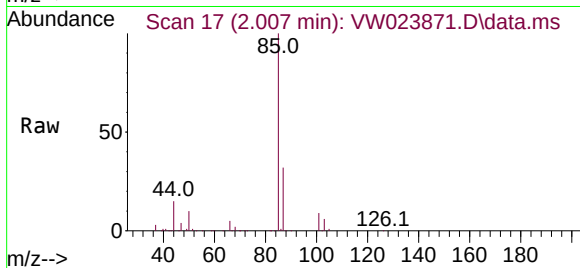




#2
Dichlorodifluoromethane
Concen: 22.719 ug/L
RT: 2.007 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

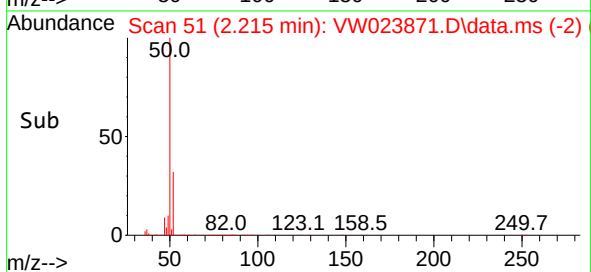
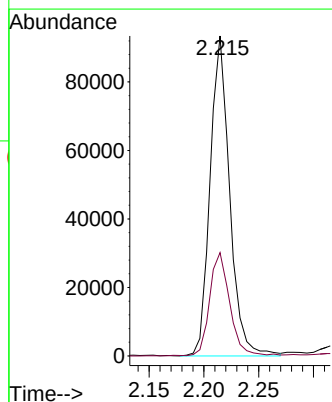
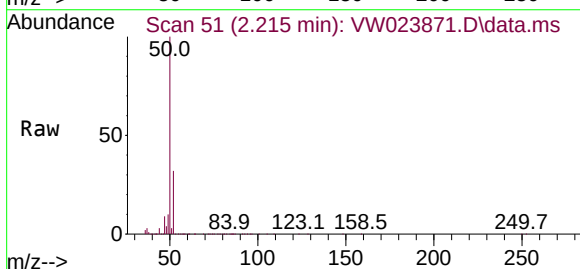
Instrument :
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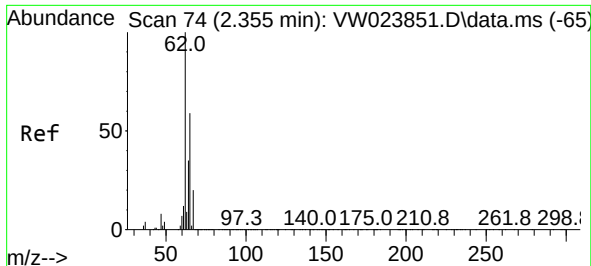
Tgt Ion: 85 Resp: 51931
Ion Ratio Lower Upper
85 100
87 33.9 24.7 37.1



#3
Chloromethane
Concen: 20.697 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 50 Resp: 115858
Ion Ratio Lower Upper
50 100
52 32.3 23.7 44.1

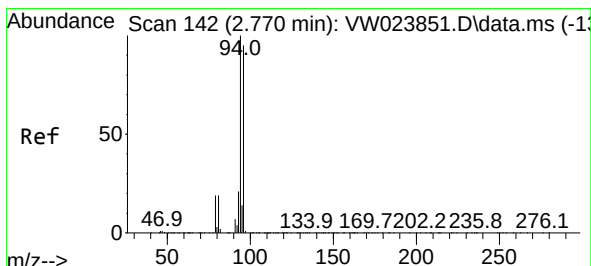
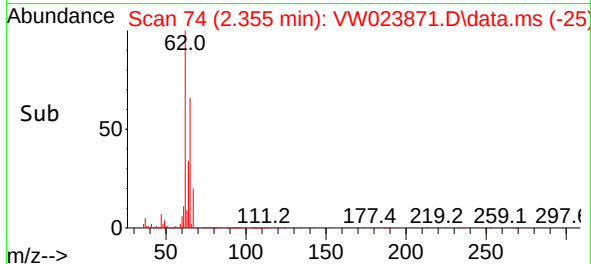
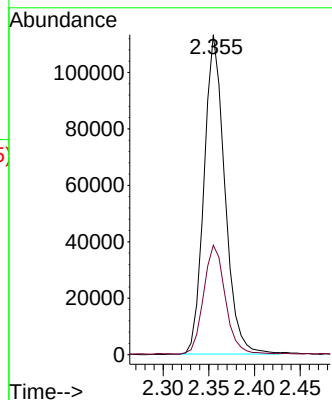
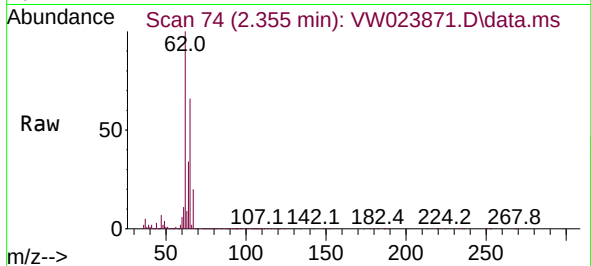




#5
 Vinyl chloride
 Concen: 18.560 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VW023871.D
 Acq: 19 Jul 2022 09:10

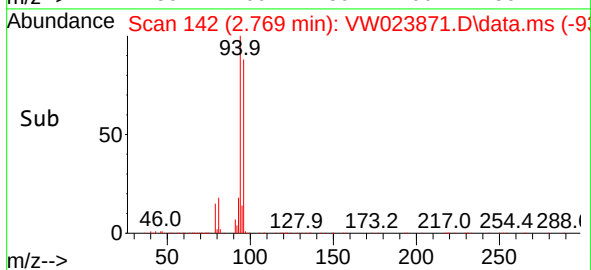
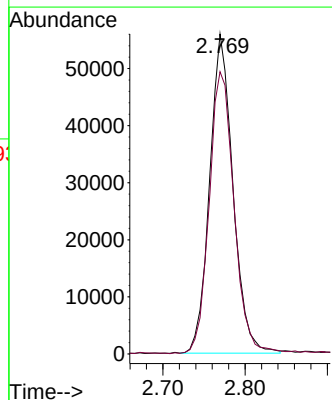
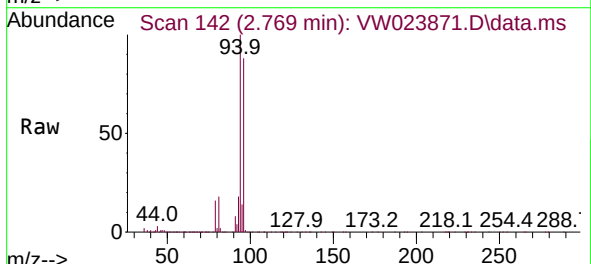
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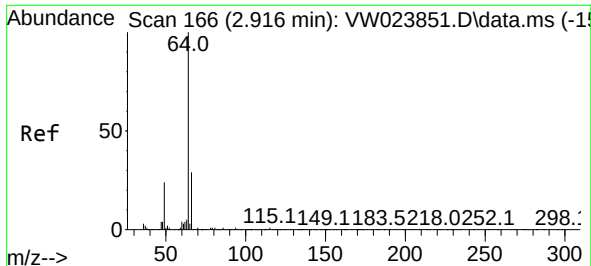
Tgt Ion: 62 Resp: 178402
 Ion Ratio Lower Upper
 62 100
 64 34.2 24.0 44.6



#6
 Bromomethane
 Concen: 17.711 ug/L
 RT: 2.769 min Scan# 142
 Delta R.T. -0.000 min
 Lab File: VW023871.D
 Acq: 19 Jul 2022 09:10

Tgt Ion: 94 Resp: 110114
 Ion Ratio Lower Upper
 94 100
 96 88.2 68.2 126.6

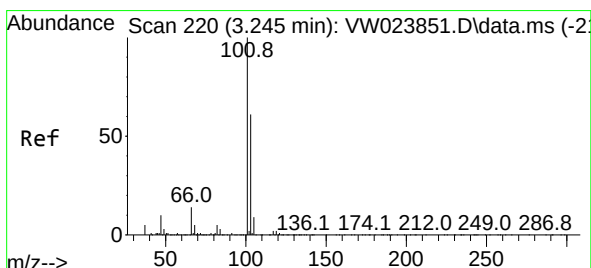
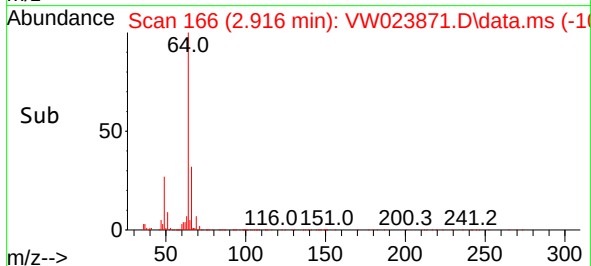
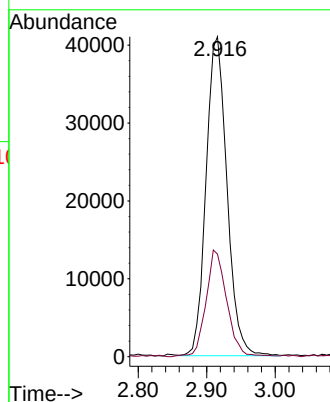
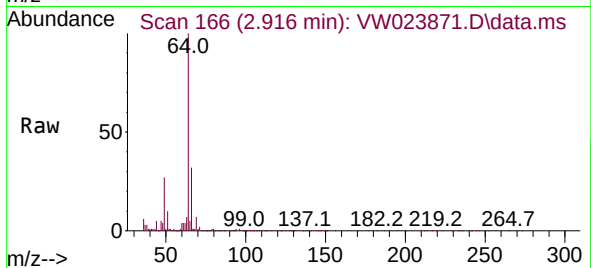




#8
Chloroethane
Concen: 19.305 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

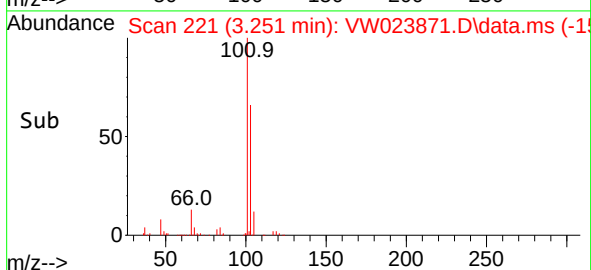
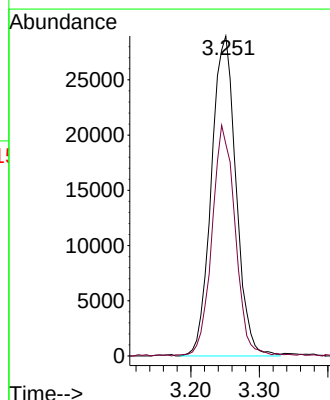
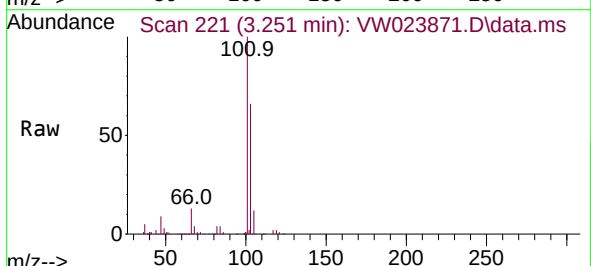
Instrument :
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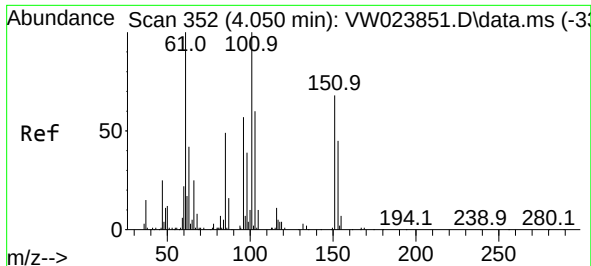
Tgt Ion: 64 Resp: 86813
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 16.538 ug/L
RT: 3.251 min Scan# 221
Delta R.T. 0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 101 Resp: 72259
Ion Ratio Lower Upper
101 100
103 67.8 52.1 78.1

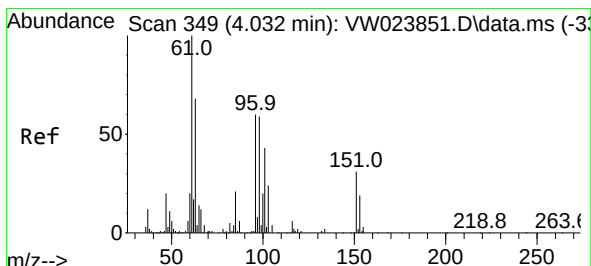
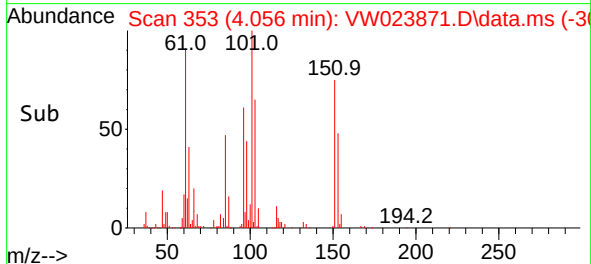
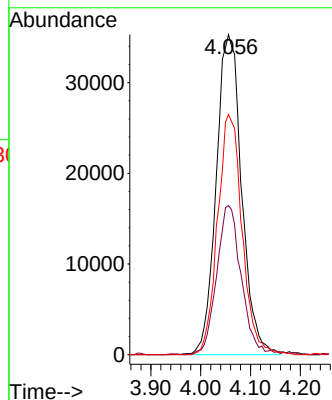
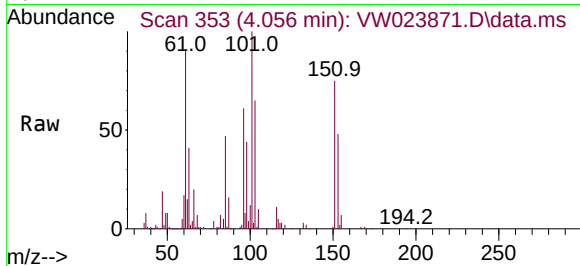




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 29.269 ug/L
 RT: 4.056 min Scan# 310
 Delta R.T. 0.006 min
 Lab File: VW023871.D
 Acq: 19 Jul 2022 09:10

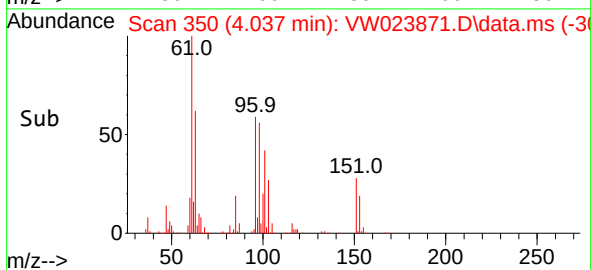
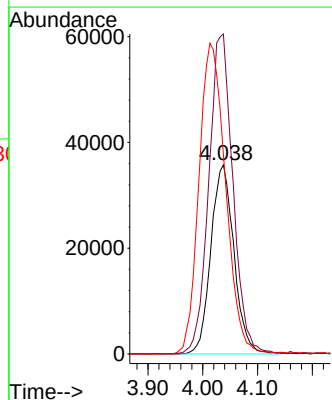
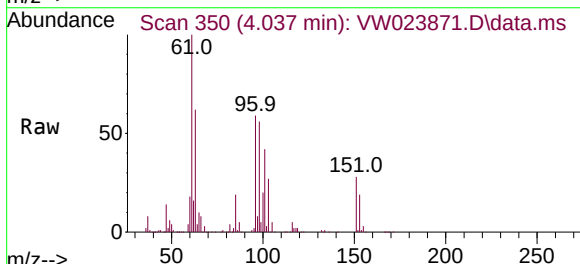
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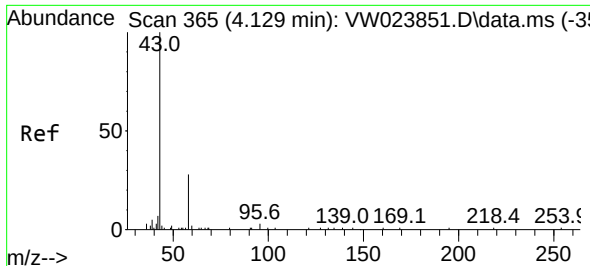
Tgt Ion:101 Resp: 125155
 Ion Ratio Lower Upper
 101 100
 85 44.5 37.6 56.4
 151 72.4 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 29.331 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. 0.006 min
 Lab File: VW023871.D
 Acq: 19 Jul 2022 09:10

Tgt Ion: 96 Resp: 104584
 Ion Ratio Lower Upper
 96 100
 61 169.2 125.4 232.8
 63 105.5 97.4 180.8

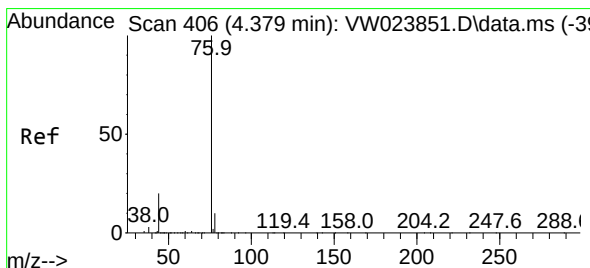
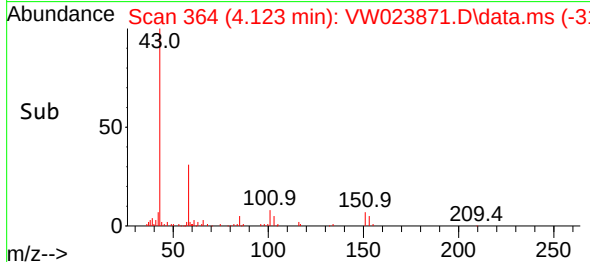
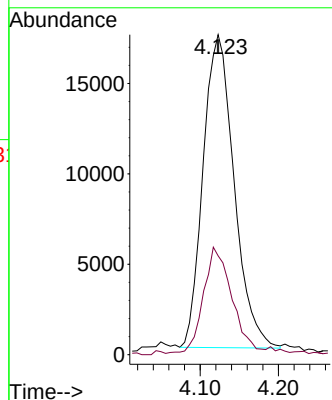
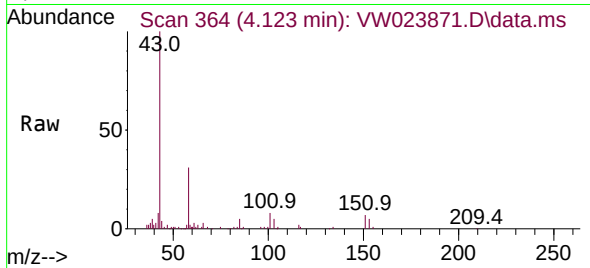




#13
Acetone
Concen: 50.511 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

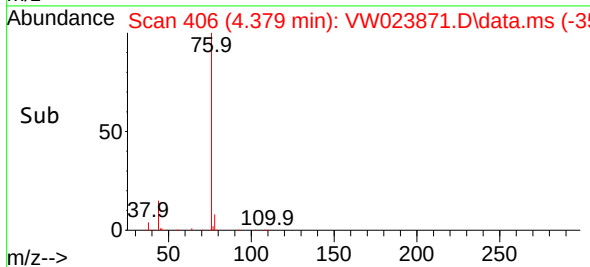
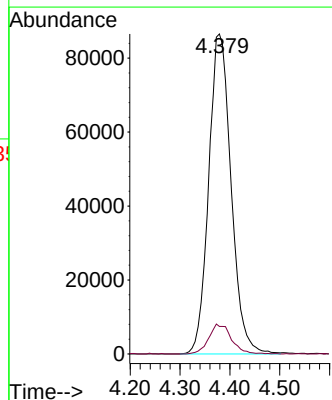
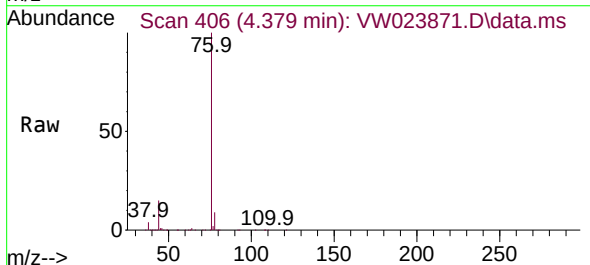
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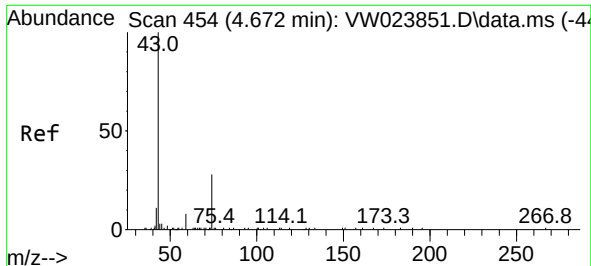
Tgt Ion: 43 Resp: 47589
Ion Ratio Lower Upper
43 100
58 32.3 0.0 64.2



#14
Carbon disulfide
Concen: 25.780 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 76 Resp: 270400
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

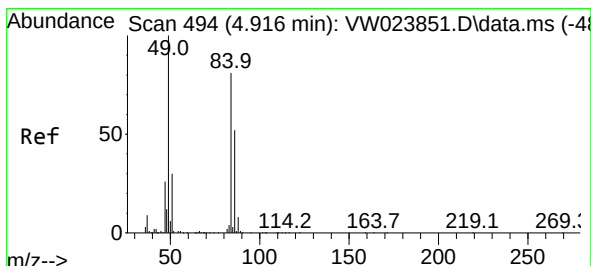
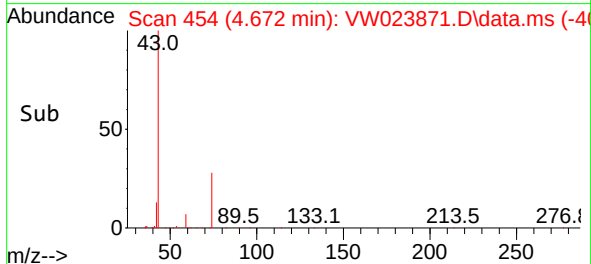
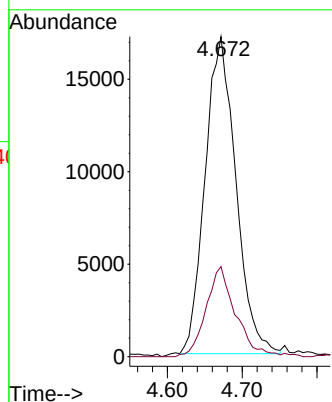
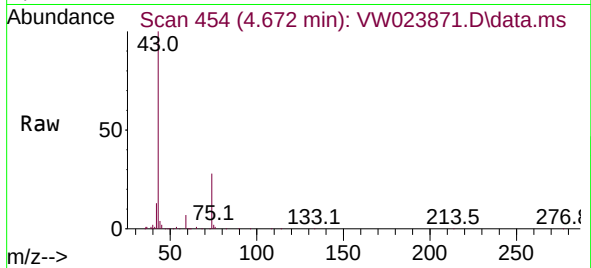




#15
Methyl Acetate
Concen: 23.269 ug/L
RT: 4.672 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

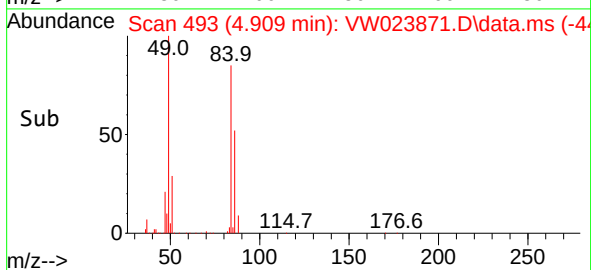
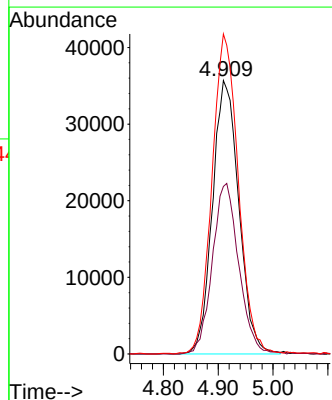
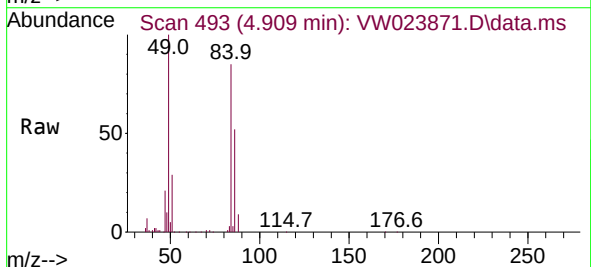
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

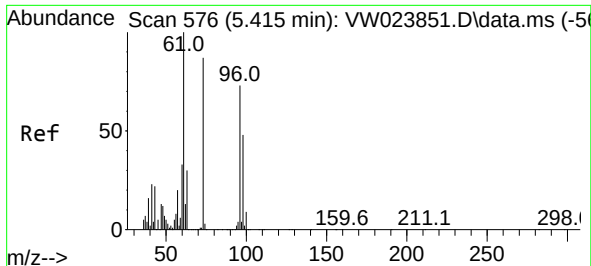
Tgt Ion: 43 Resp: 49065
Ion Ratio Lower Upper
43 100
74 27.0 20.0 30.0



#16
Methylene chloride
Concen: 22.624 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 84 Resp: 118997
Ion Ratio Lower Upper
84 100
86 61.3 42.8 79.6
49 117.0 85.4 158.6

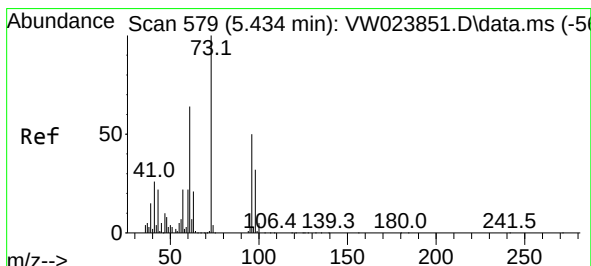
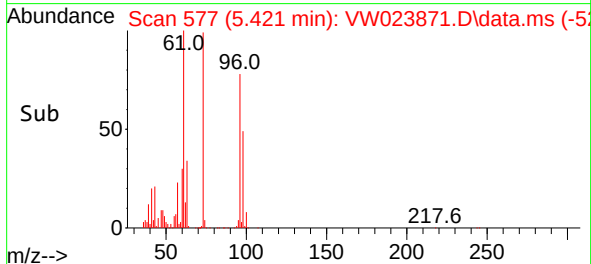
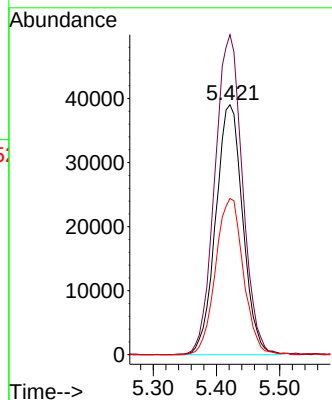
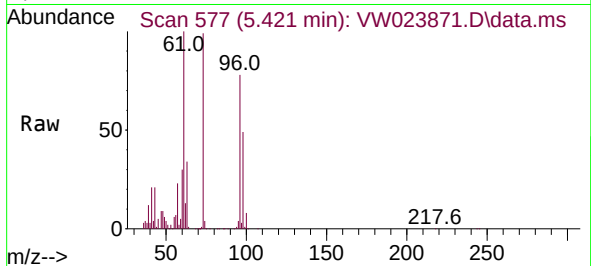




#17
trans-1,2-Dichloroethene
Concen: 26.827 ug/L
RT: 5.421 min Scan# 576
Delta R.T. 0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

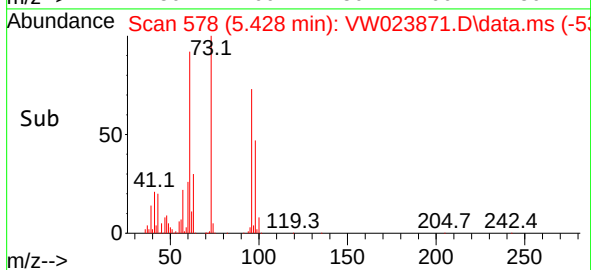
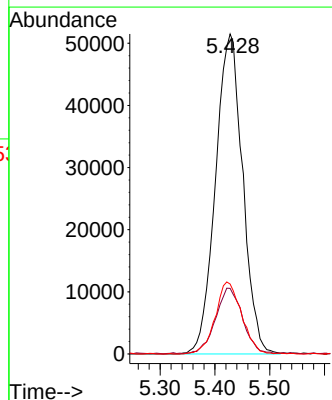
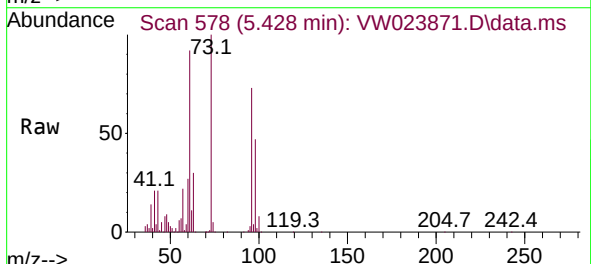
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

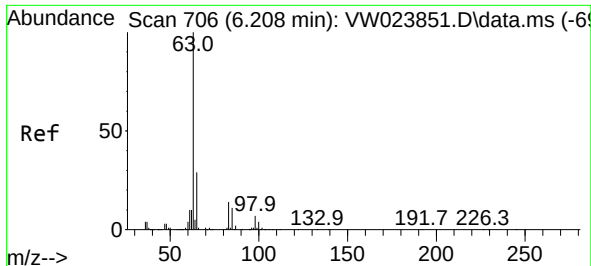
Tgt Ion: 96 Resp: 116058
Ion Ratio Lower Upper
96 100
61 128.1 90.8 168.6
98 62.5 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 26.456 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 73 Resp: 177066
Ion Ratio Lower Upper
73 100
43 20.1 17.6 26.4
57 21.8 16.8 25.2





#19

1,1-Dichloroethane

Concen: 26.452 ug/L

RT: 6.214 min Scan# 706

Delta R.T. 0.006 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

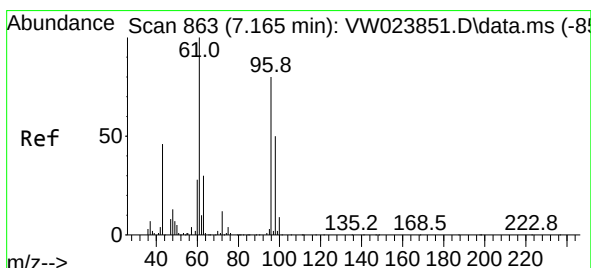
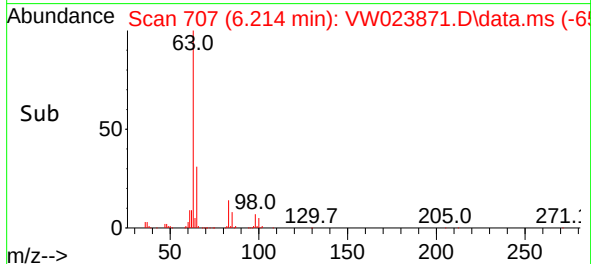
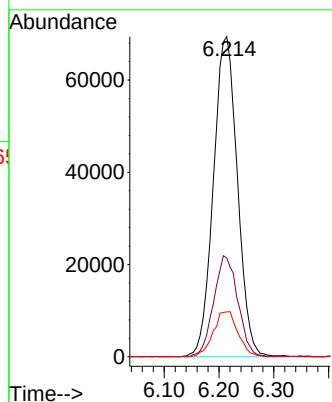
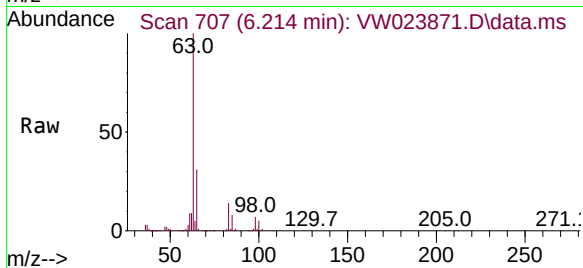
Tgt Ion: 63 Resp: 211093

Ion Ratio Lower Upper

63 100

65 30.9 22.7 42.1

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 27.170 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

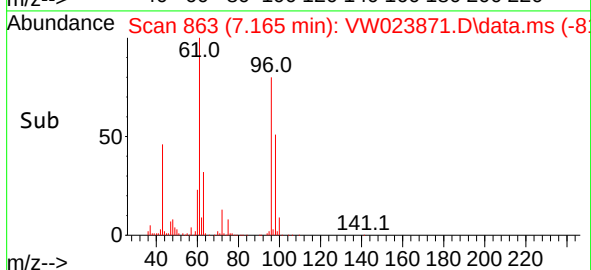
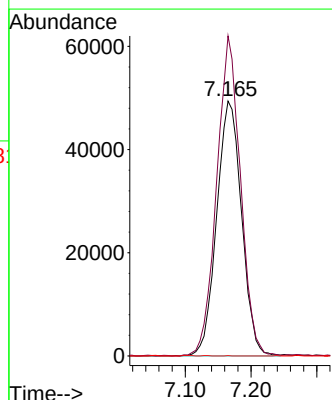
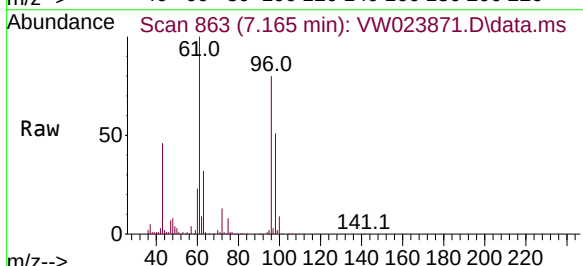
Tgt Ion: 96 Resp: 130218

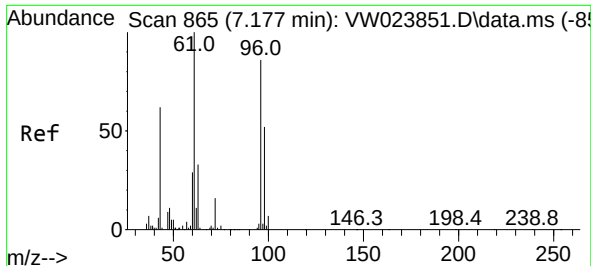
Ion Ratio Lower Upper

96 100

61 125.5 90.6 168.2

68 0.1 0.2 0.4

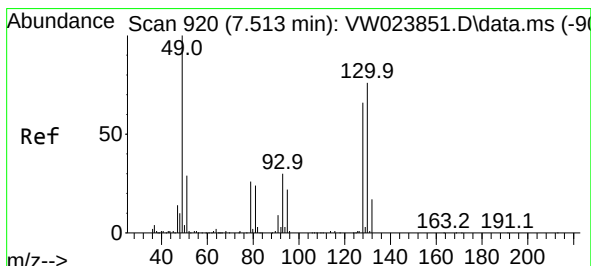
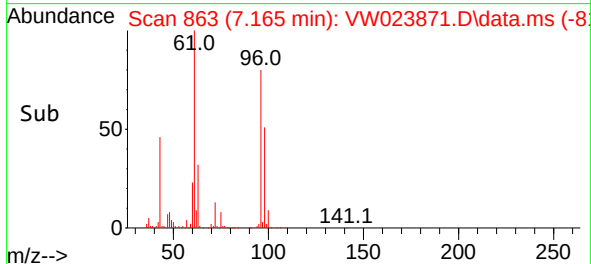
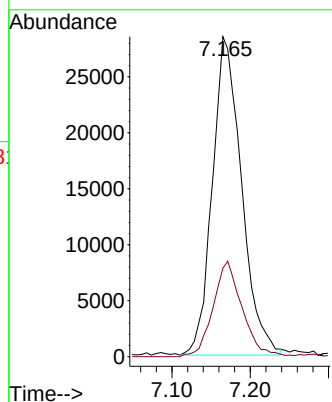
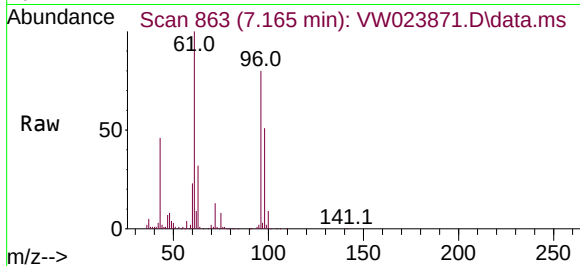




#22
2-Butanone
Concen: 47.643 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.012 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

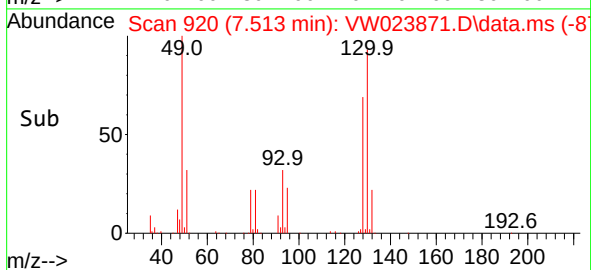
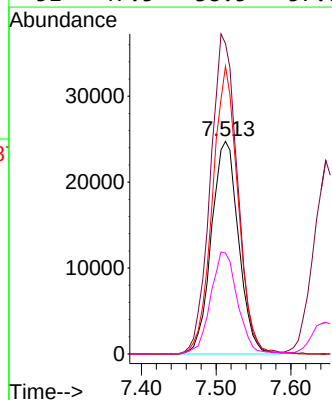
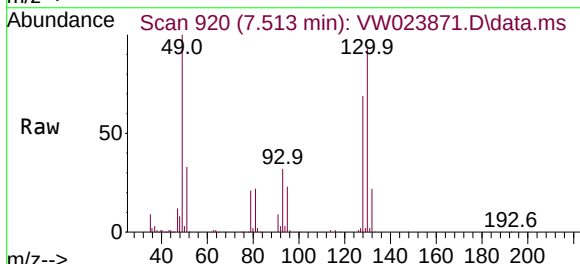
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

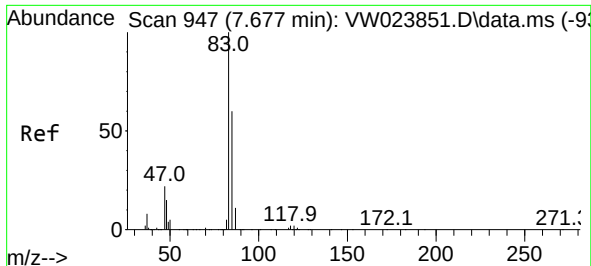
Tgt Ion: 43 Resp: 73766
Ion Ratio Lower Upper
43 100
72 29.7 14.7 44.1



#23
Bromochloromethane
Concen: 27.198 ug/L
RT: 7.513 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 128 Resp: 62621
Ion Ratio Lower Upper
128 100
49 145.9 106.0 196.8
130 135.2 83.2 154.4
51 47.5 38.5 57.7

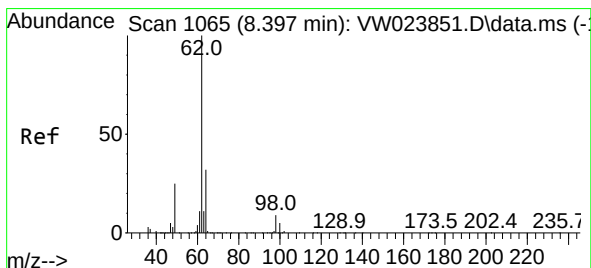
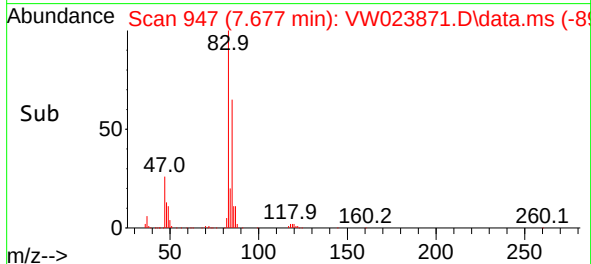
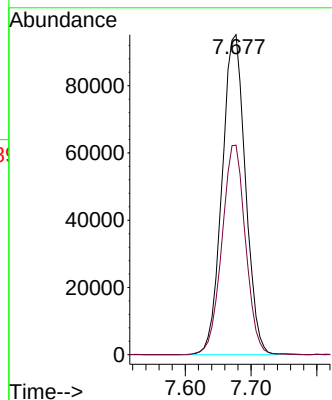
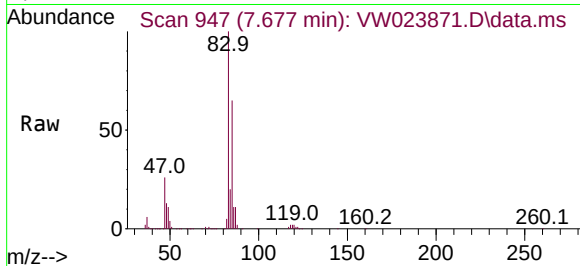




#25
Chloroform
Concen: 25.606 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

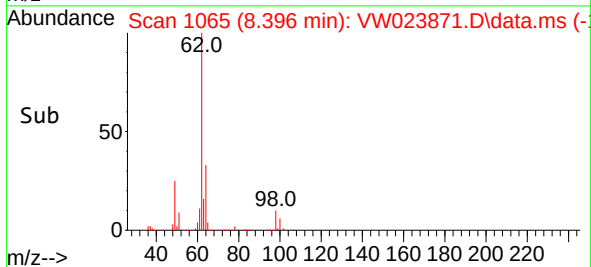
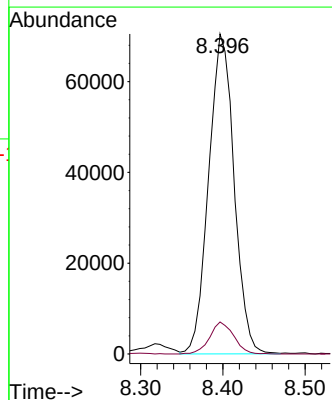
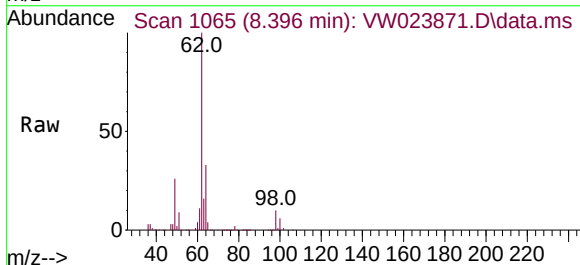
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

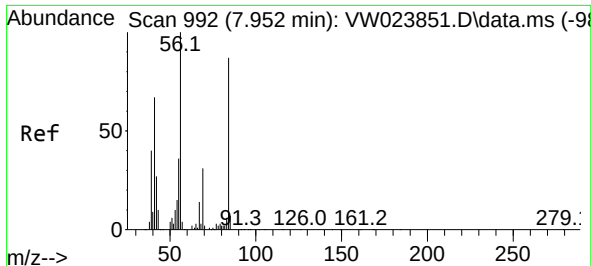
Tgt Ion: 83 Resp: 235405
Ion Ratio Lower Upper
83 100
85 65.5 41.9 77.9



#27
1,2-Dichloroethane
Concen: 22.369 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 62 Resp: 151352
Ion Ratio Lower Upper
62 100
98 10.0 7.2 10.8

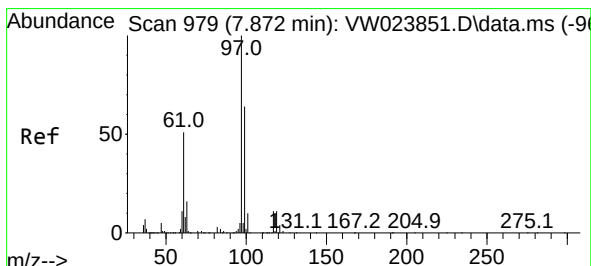
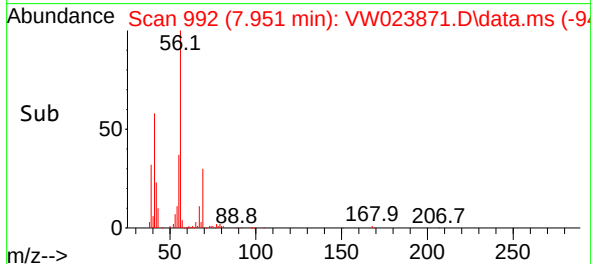
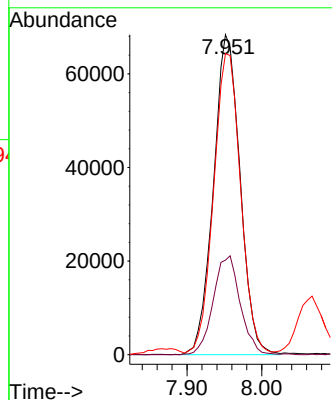
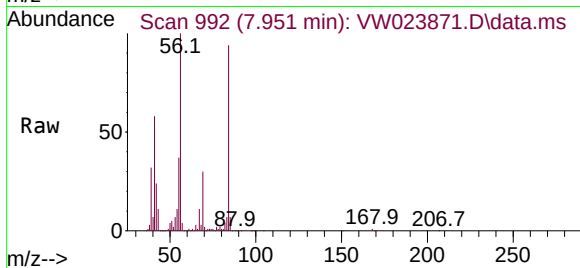




#29
Cyclohexane
Concen: 29.085 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

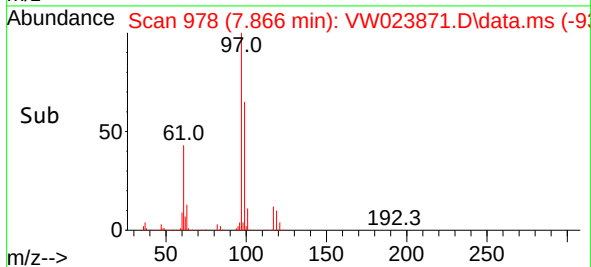
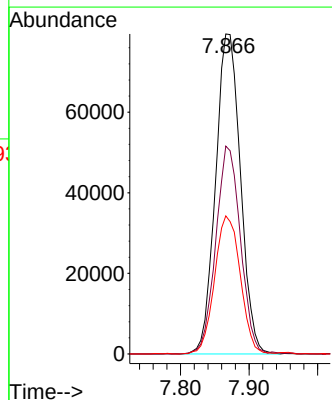
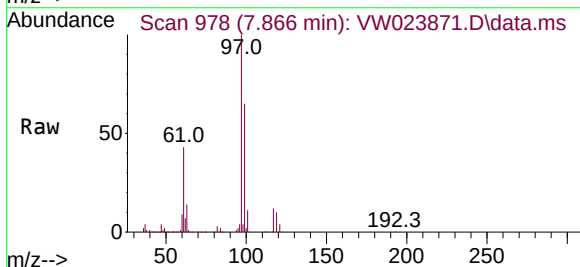
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

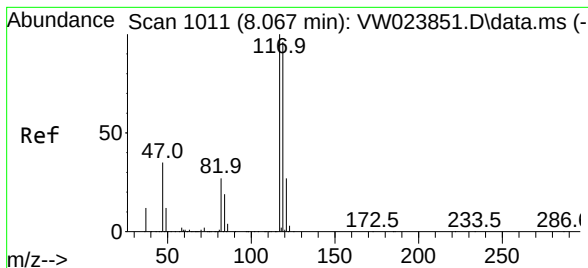
Tgt Ion: 56 Resp: 169312
Ion Ratio Lower Upper
56 100
69 31.3 25.4 38.0
84 95.5 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 29.042 ug/L
RT: 7.866 min Scan# 978
Delta R.T. -0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 97 Resp: 200143
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 44.5 37.5 56.3

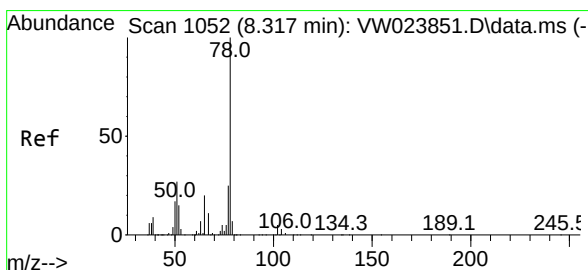
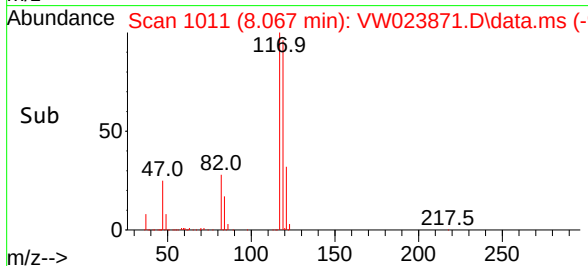
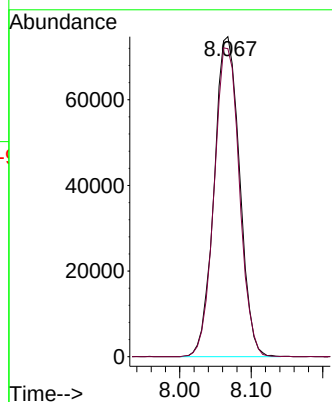
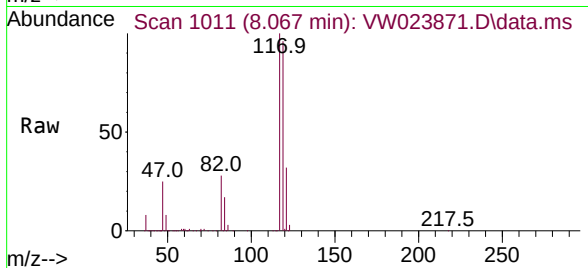




#31
Carbon tetrachloride
Concen: 29.759 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

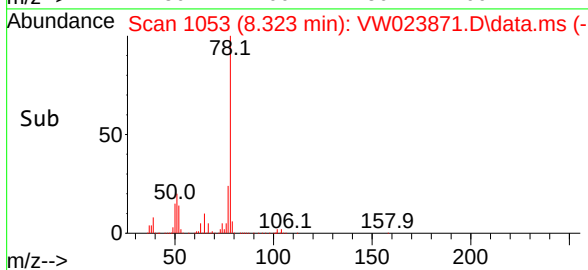
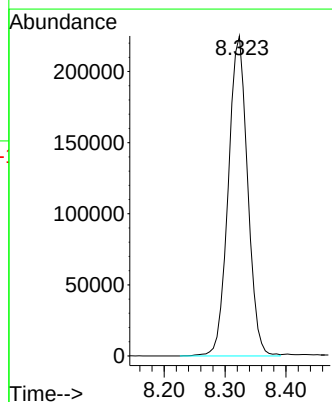
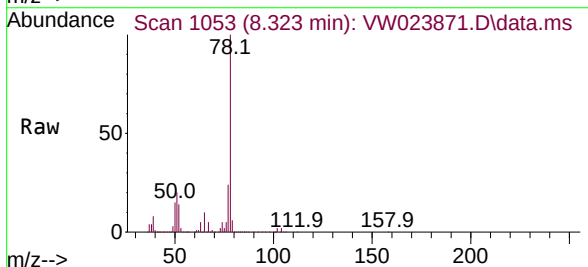
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

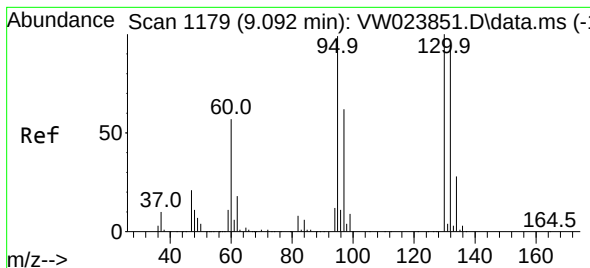
Tgt Ion:117 Resp: 184876
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5



#33
Benzene
Concen: 27.369 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 78 Resp: 495024





#34

Trichloroethene

Concen: 27.815 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

Tgt Ion: 95 Resp: 132853

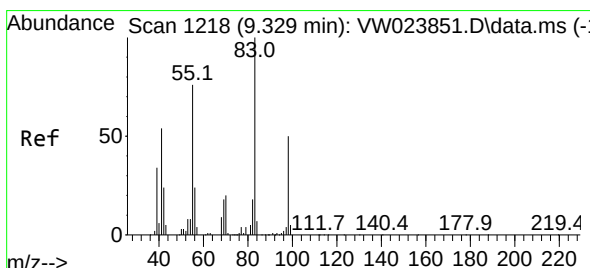
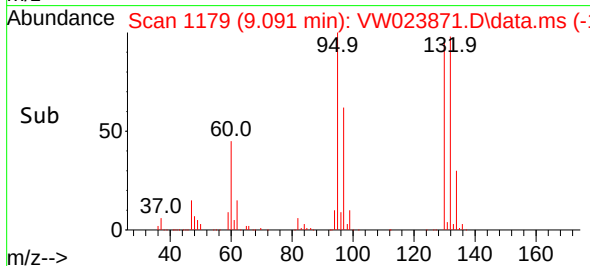
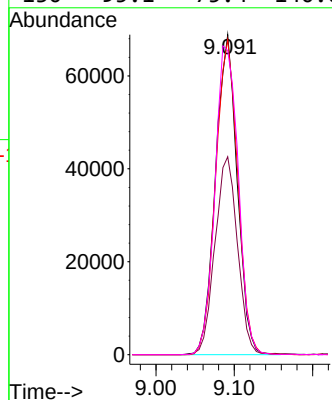
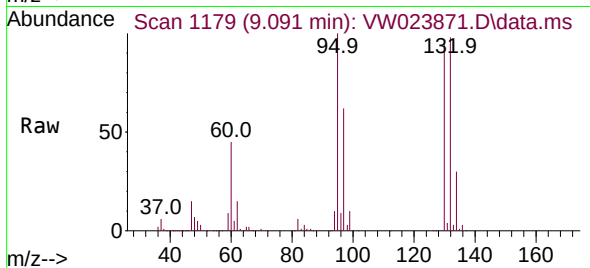
Ion Ratio Lower Upper

95 100

97 61.8 45.6 84.8

132 98.5 69.9 129.7

130 95.1 75.4 140.0



#35

Methylcyclohexane

Concen: 29.001 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.006 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

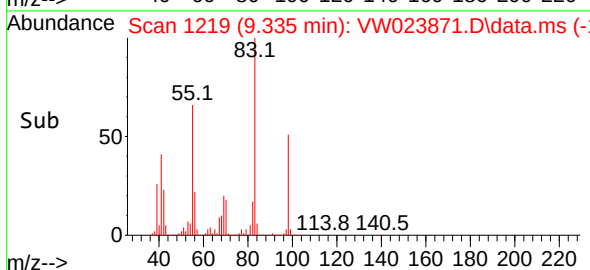
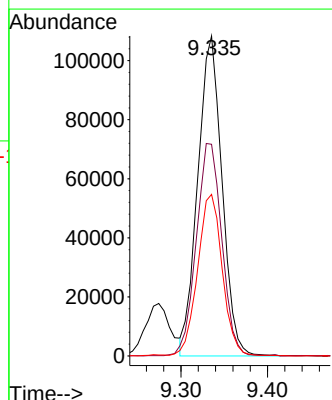
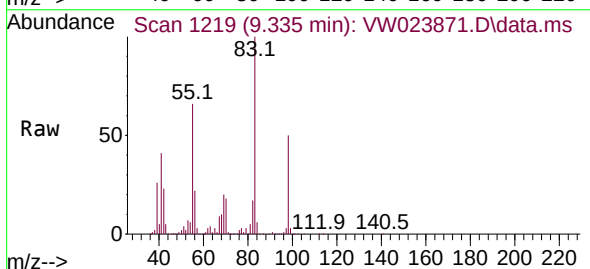
Tgt Ion: 83 Resp: 210926

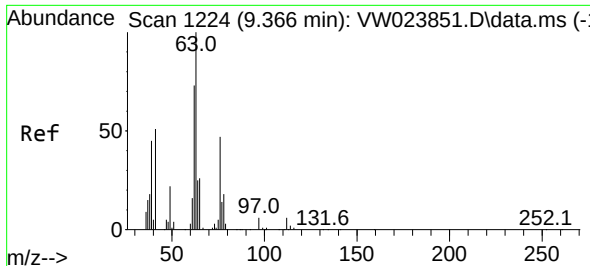
Ion Ratio Lower Upper

83 100

55 69.8 60.8 91.2

98 51.3 39.5 59.3





#37

1,2-Dichloropropane

Concen: 26.589 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

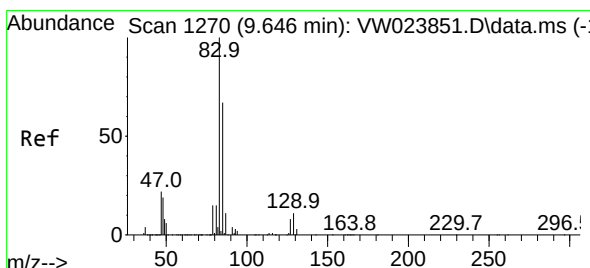
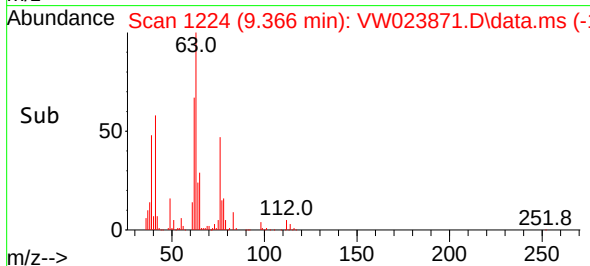
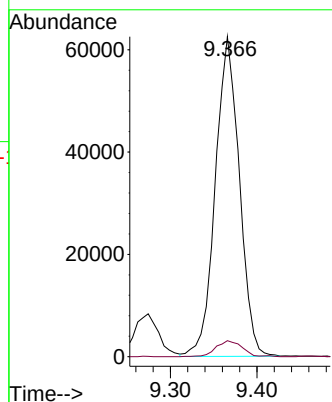
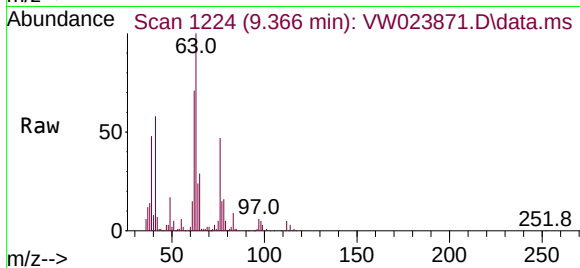
VSTD025495

Tgt Ion: 63 Resp: 120569

Ion Ratio Lower Upper

63 100

112 5.4 4.2 6.2



#38

Bromodichloromethane

Concen: 27.456 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

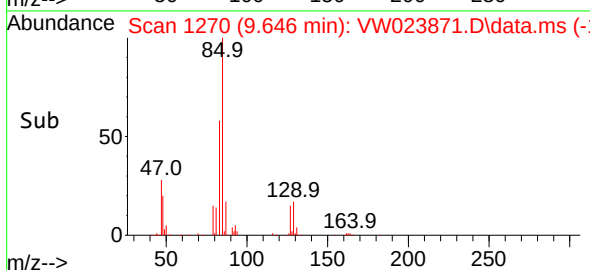
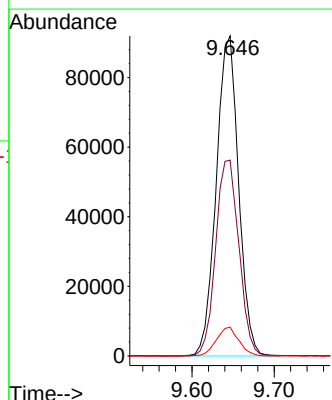
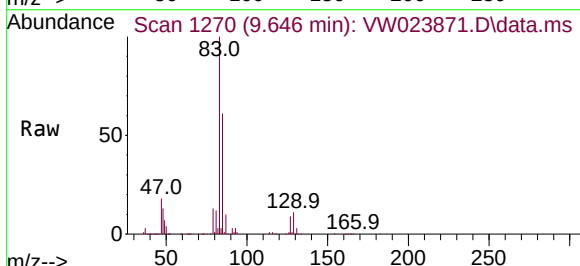
Tgt Ion: 83 Resp: 173759

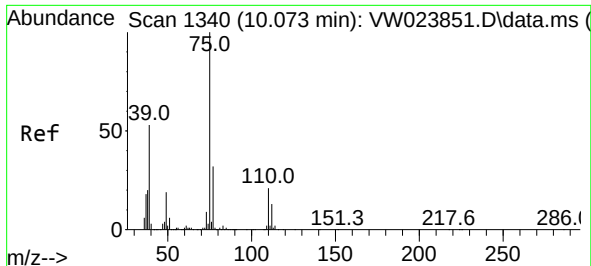
Ion Ratio Lower Upper

83 100

85 61.2 45.5 84.5

127 9.0 6.0 9.0#





#39

cis-1,3-Dichloropropene

Concen: 28.081 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

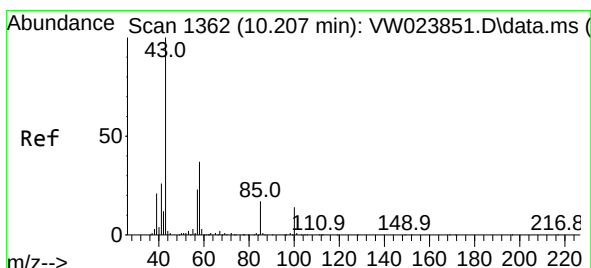
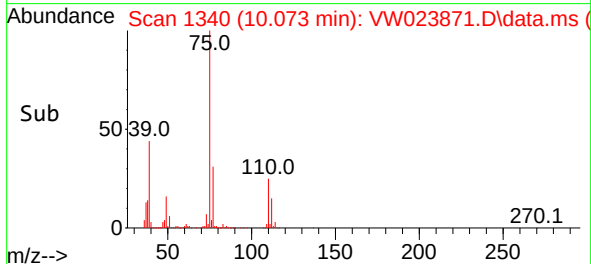
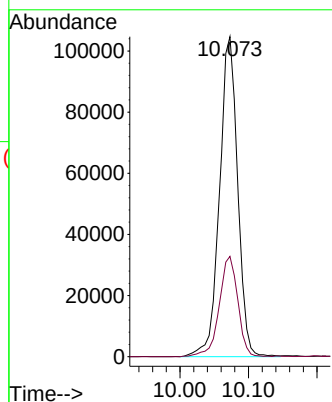
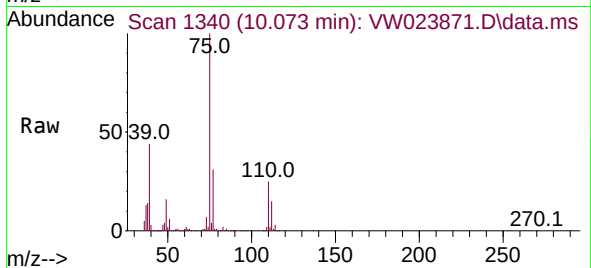
VSTD025495

Tgt Ion: 75 Resp: 191922

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 49.761 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

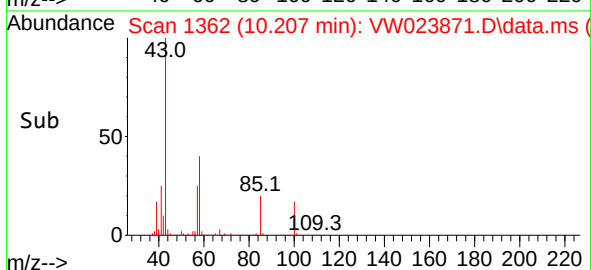
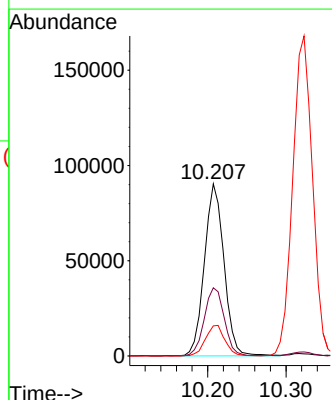
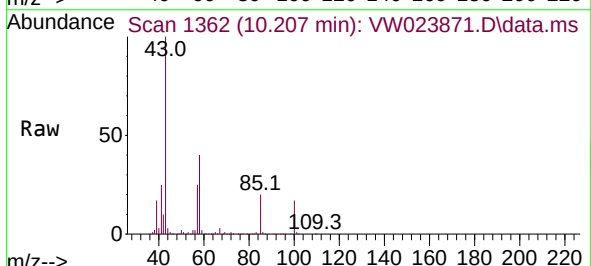
Tgt Ion: 43 Resp: 157017

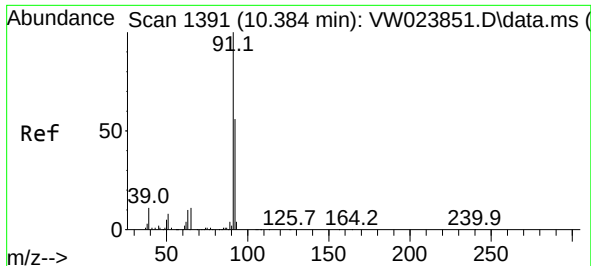
Ion Ratio Lower Upper

43 100

58 40.3 29.8 44.8

100 17.7 13.0 19.4





#42

Toluene

Concen: 27.041 ug/L

RT: 10.384 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

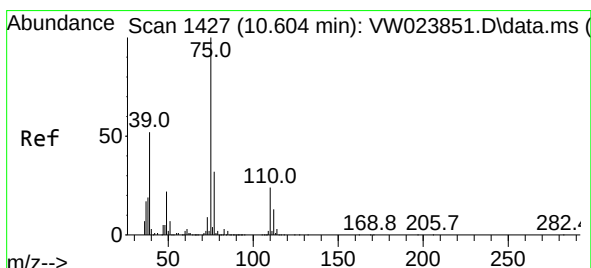
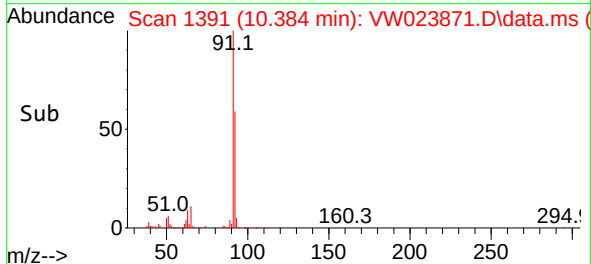
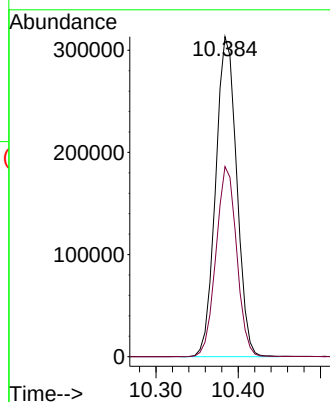
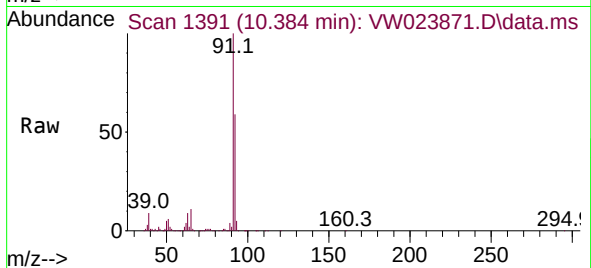
VSTD025495

Tgt Ion: 91 Resp: 557787

Ion Ratio Lower Upper

91 100

92 59.4 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 26.706 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW023871.D

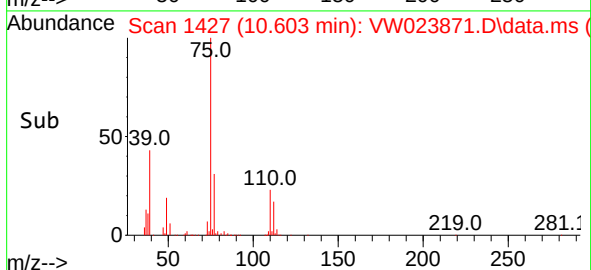
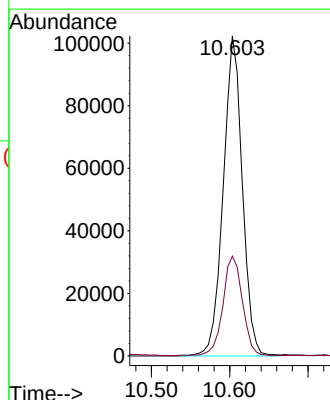
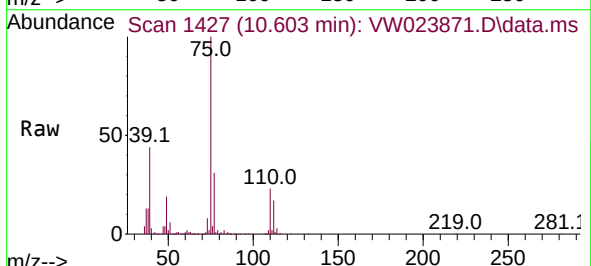
Acq: 19 Jul 2022 09:10

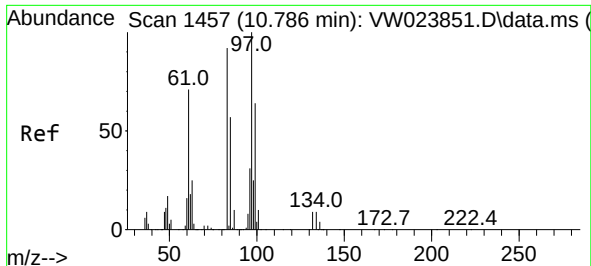
Tgt Ion: 75 Resp: 173485

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



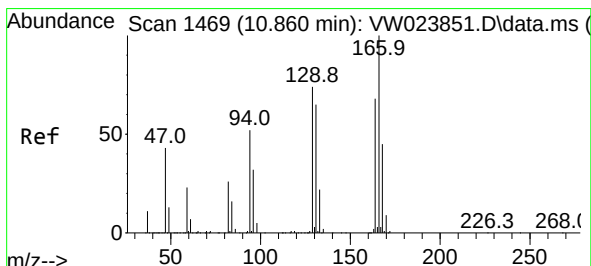
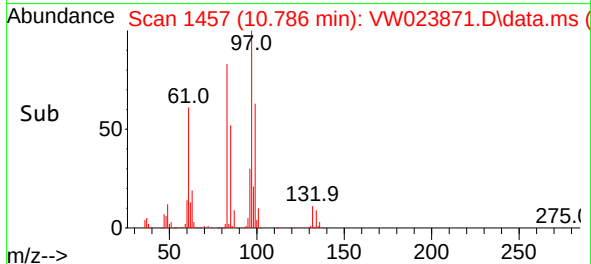
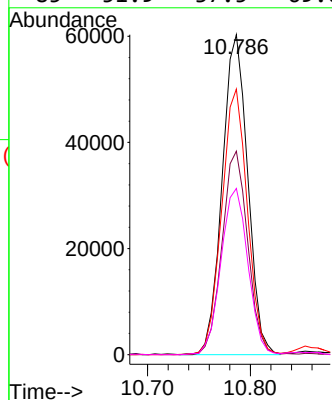
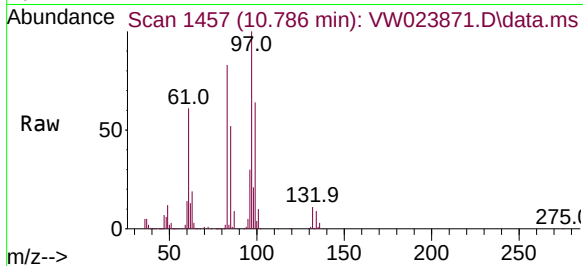


#45
1,1,2-Trichloroethane
Concen: 26.205 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

Tgt Ion: 97 Resp: 103903

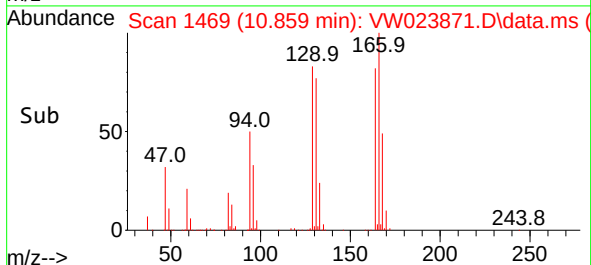
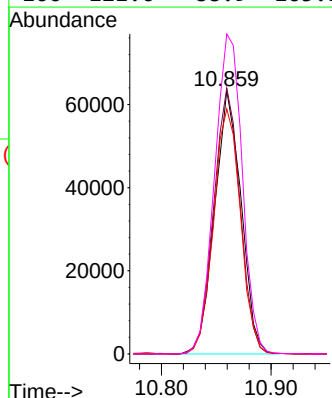
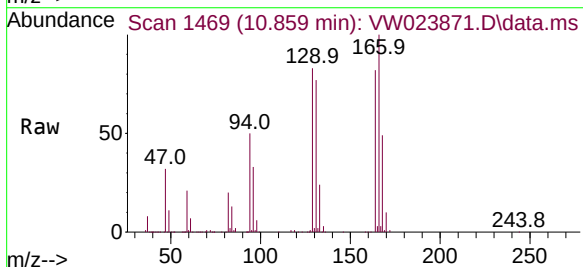
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.2	82.2
83	83.0	59.8	111.0
85	51.9	37.5	69.6

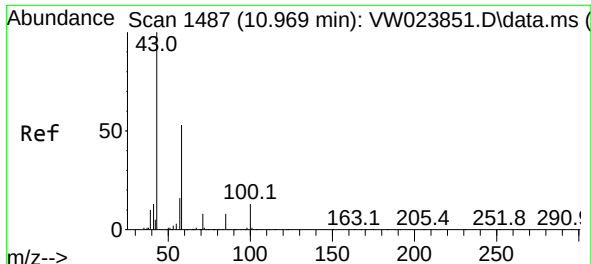


#46
Tetrachloroethene
Concen: 28.804 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 164 Resp: 106378

Ion	Ratio	Lower	Upper
164	100		
129	101.0	72.4	134.5
131	93.2	67.8	125.8
166	121.6	88.9	165.1



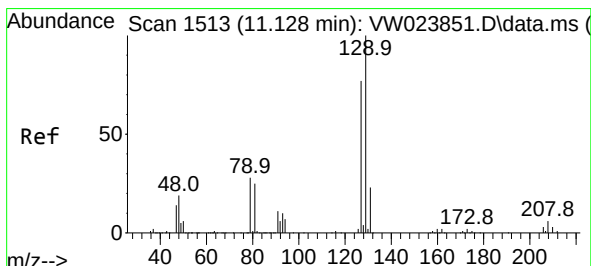
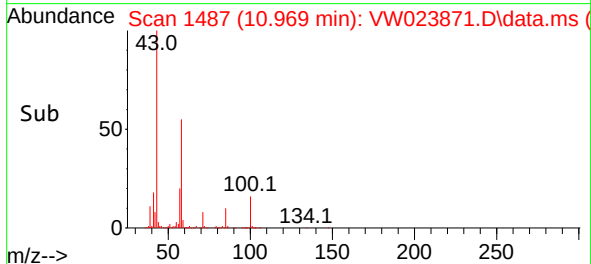
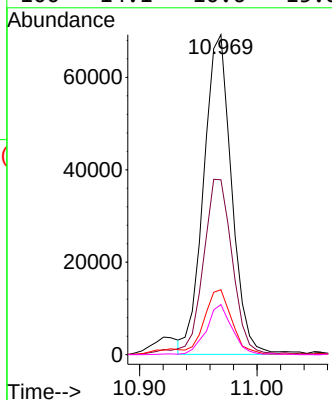
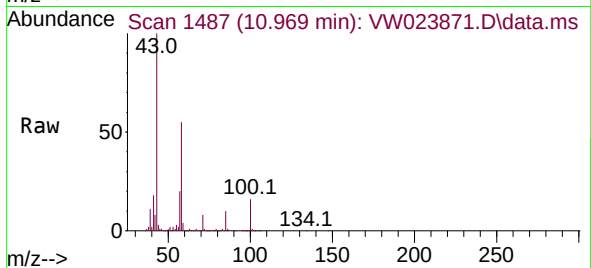


#48
2-Hexanone
Concen: 49.774 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

Tgt Ion: 43 Resp: 114350

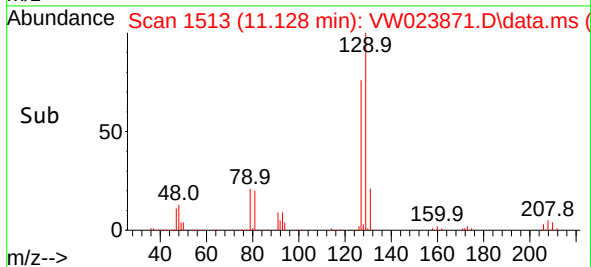
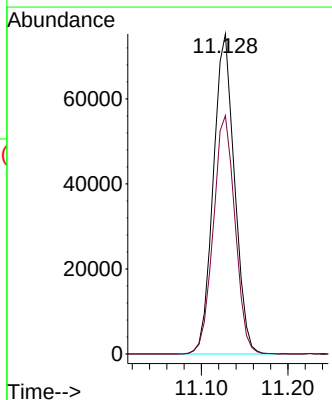
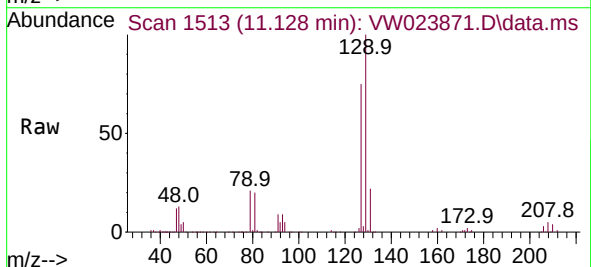
Ion	Ratio	Lower	Upper
43	100		
58	58.0	41.6	62.4
57	19.5	14.6	21.8
100	14.1	10.6	15.8

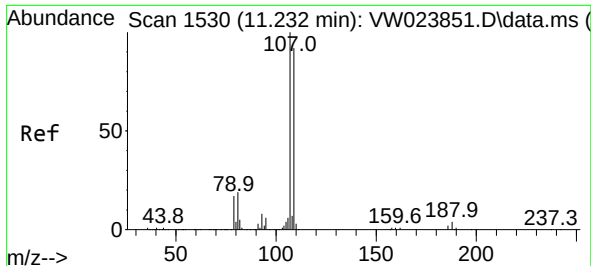


#49
Dibromochloromethane
Concen: 27.815 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 129 Resp: 127895

Ion	Ratio	Lower	Upper
129	100		
127	74.5	53.7	99.7





#50

1,2-Dibromoethane

Concen: 26.372 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

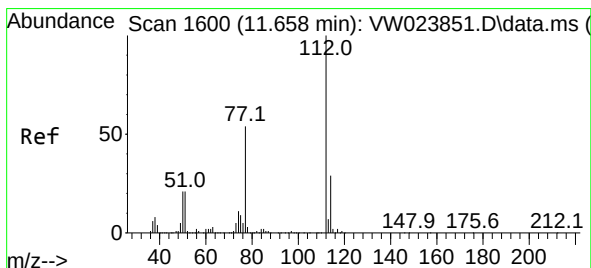
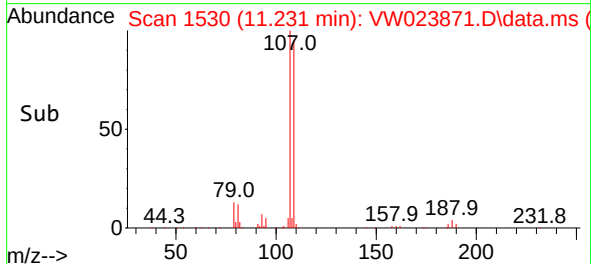
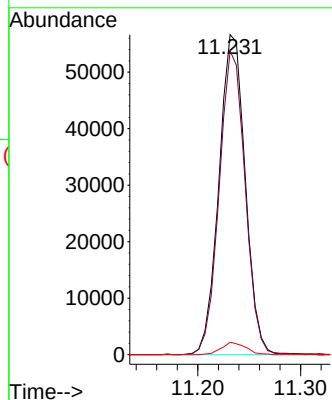
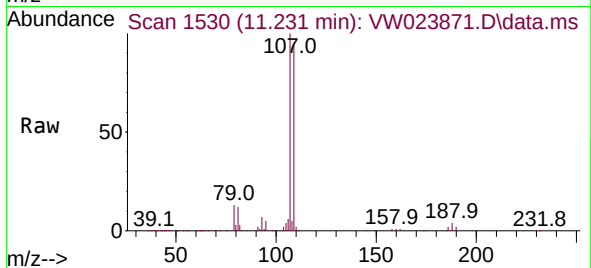
Tgt Ion:107 Resp: 100456

Ion Ratio Lower Upper

107 100

109 94.9 62.4 116.0

188 3.9 2.3 3.5#



#51

Chlorobenzene

Concen: 26.846 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

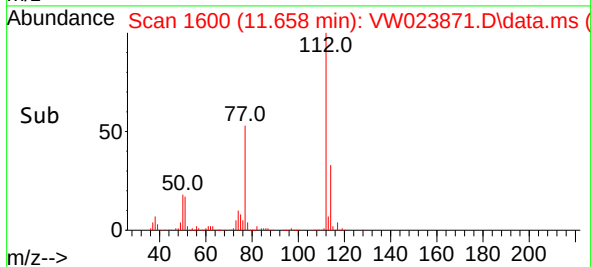
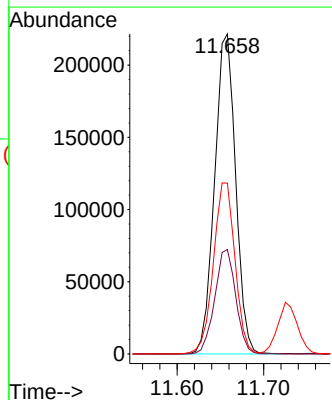
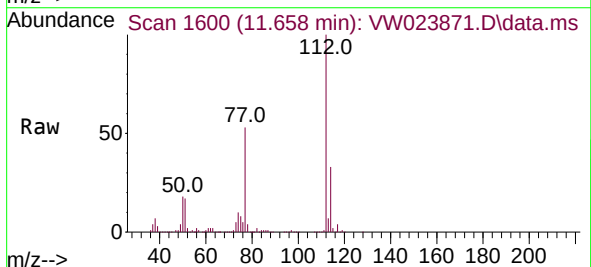
Tgt Ion:112 Resp: 373481

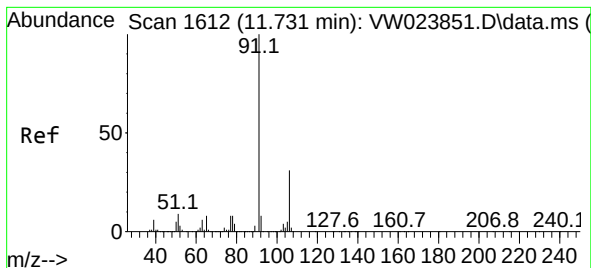
Ion Ratio Lower Upper

112 100

114 32.7 21.1 39.3

77 53.4 46.6 69.8

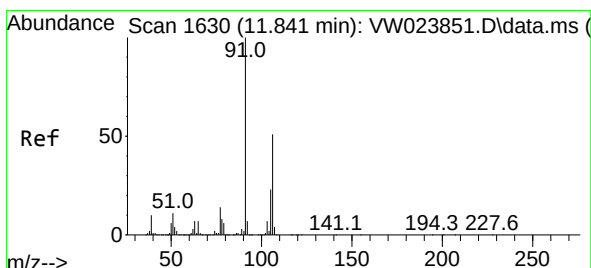
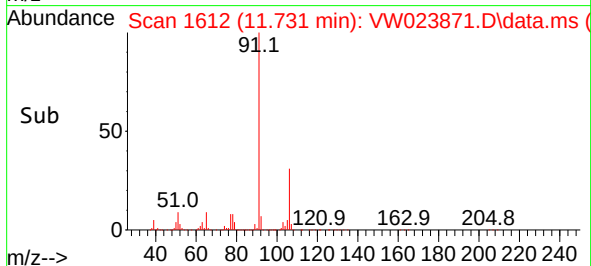
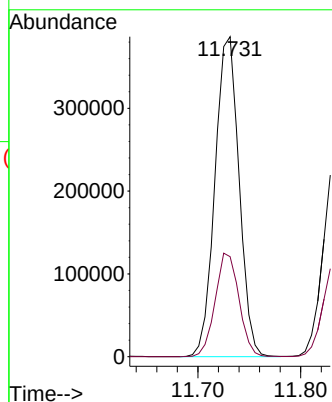
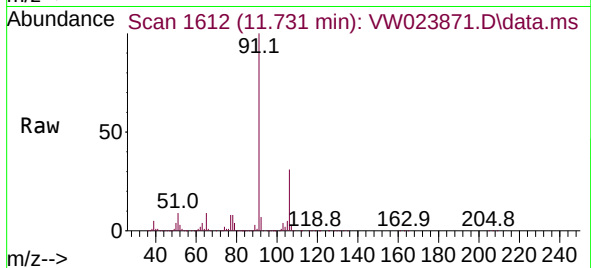




#52
Ethylbenzene
Concen: 26.833 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

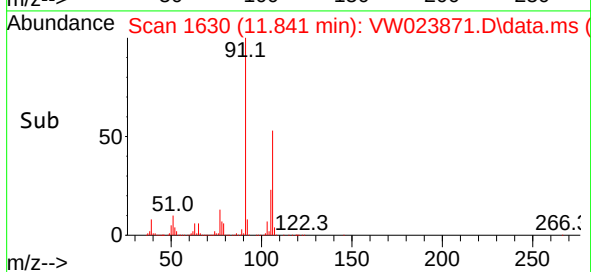
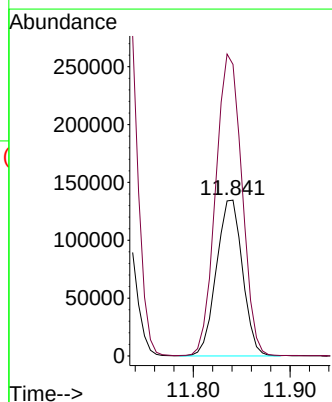
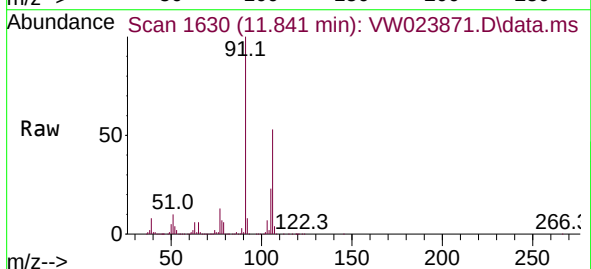
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

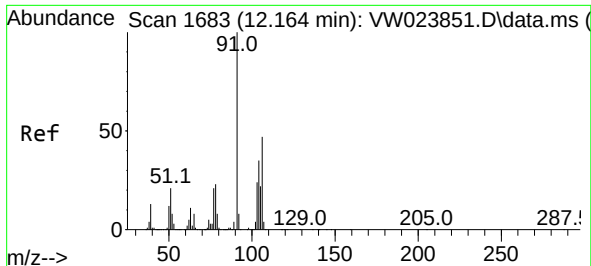
Tgt Ion: 91 Resp: 628974
Ion Ratio Lower Upper
91 100
106 31.3 22.5 41.9



#53
m,p-Xylene
Concen: 27.660 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion: 106 Resp: 252967
Ion Ratio Lower Upper
106 100
91 187.1 142.8 265.2

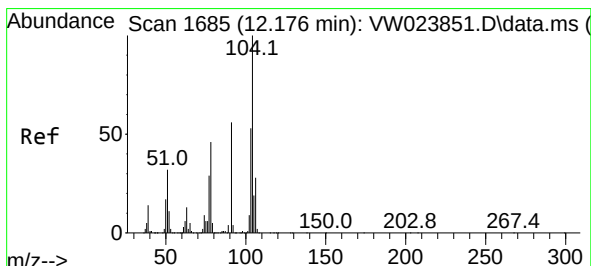
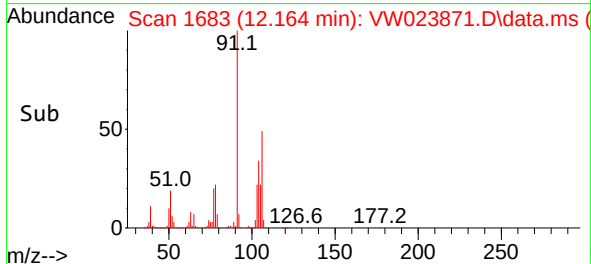
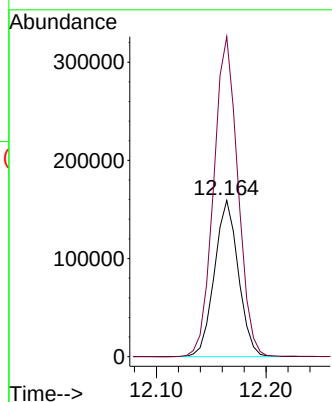
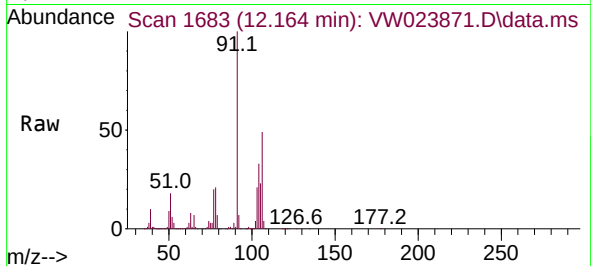




#54
o-Xylene
Concen: 27.461 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

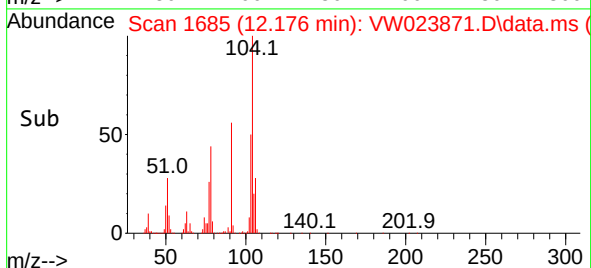
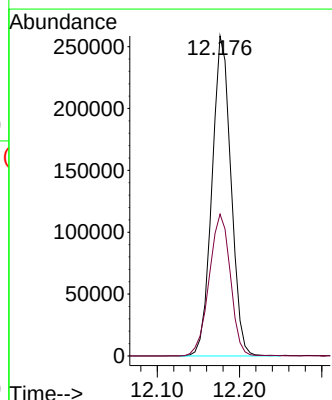
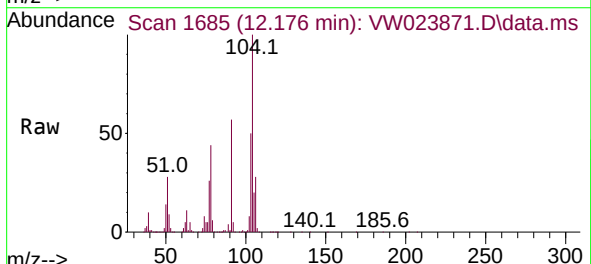
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

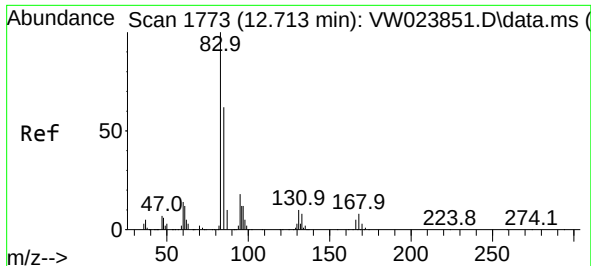
Tgt Ion:106 Resp: 241190
Ion Ratio Lower Upper
106 100
91 204.7 149.6 277.8



#55
Styrene
Concen: 26.810 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion:104 Resp: 415987
Ion Ratio Lower Upper
104 100
78 44.3 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 24.006 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

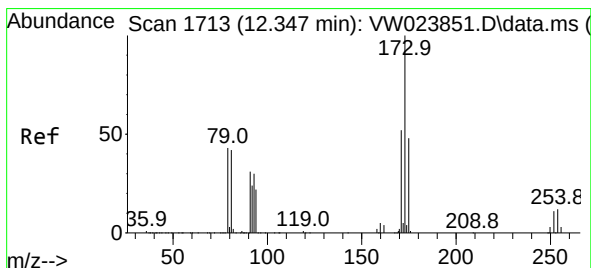
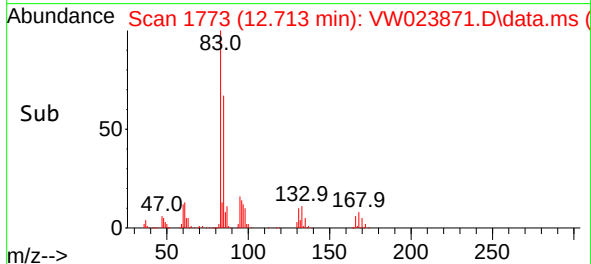
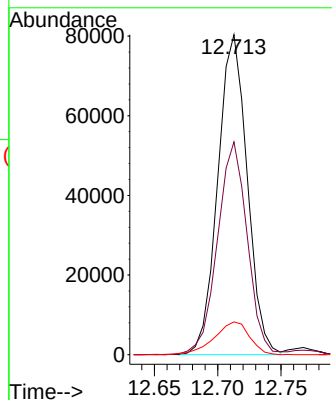
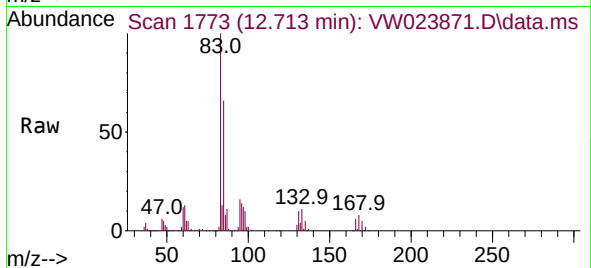
Tgt Ion: 83 Resp: 129829

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.3

131 10.3 7.4 11.0



#59

Bromoform

Concen: 27.045 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

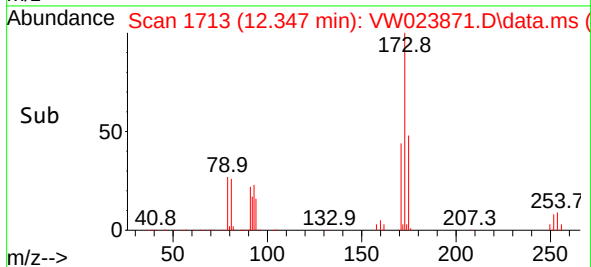
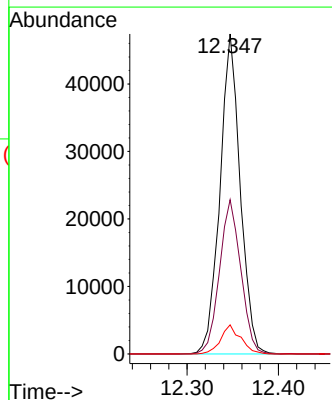
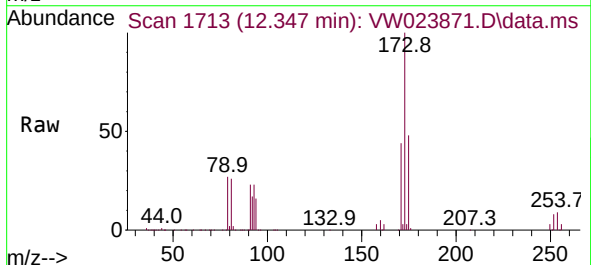
Tgt Ion:173 Resp: 73158

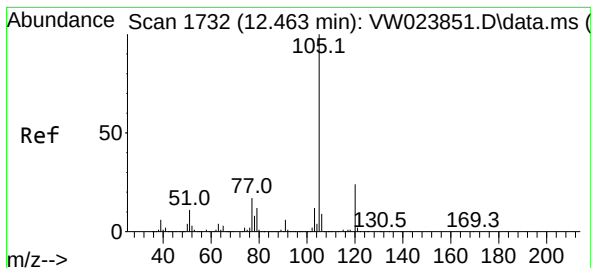
Ion Ratio Lower Upper

173 100

175 50.4 38.9 58.3

254 9.0 5.9 8.9#





#60

Isopropylbenzene

Concen: 26.655 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

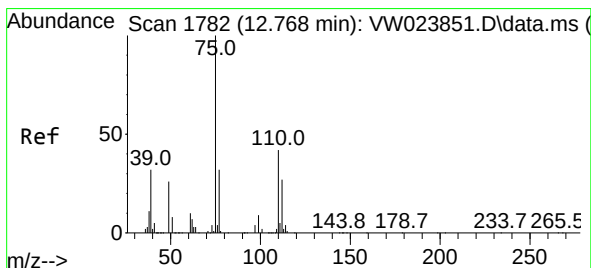
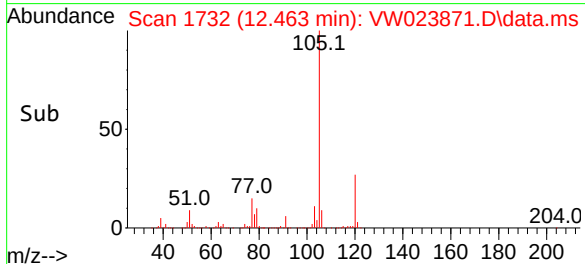
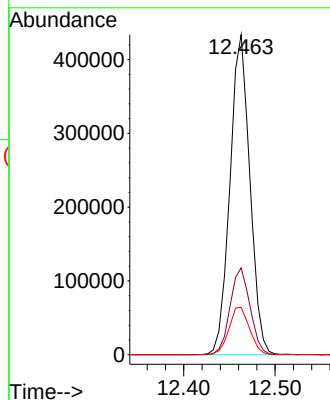
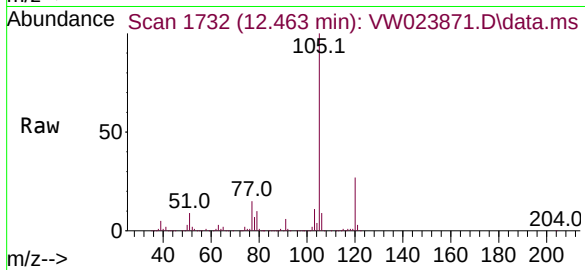
Tgt Ion:105 Resp: 656851

Ion Ratio Lower Upper

105 100

120 27.2 20.7 31.1

77 15.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 22.978 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

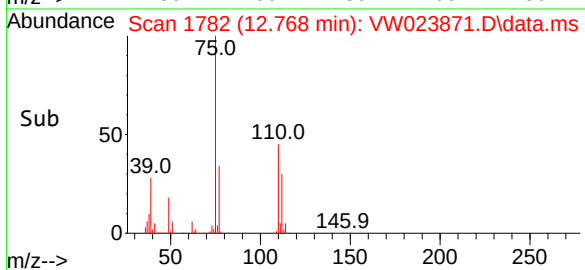
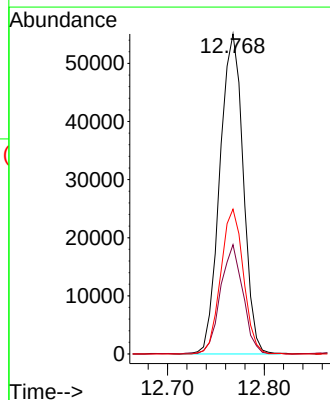
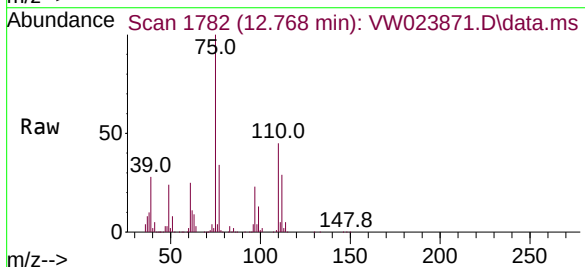
Tgt Ion: 75 Resp: 92429

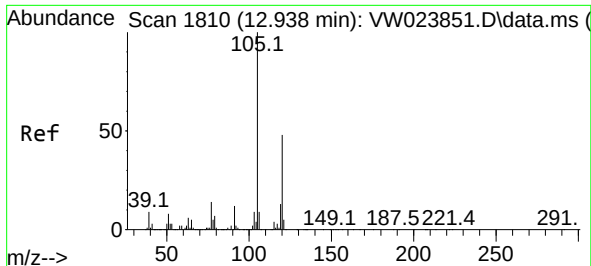
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

110 43.9 31.9 47.9





#62

1,3,5-Trimethylbenzene

Concen: 27.190 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

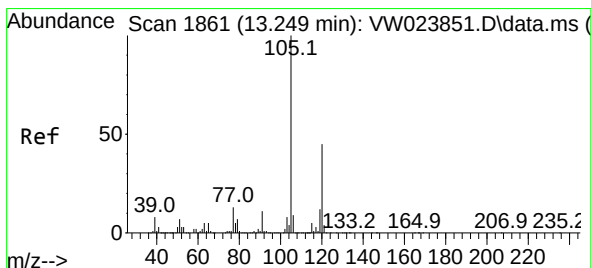
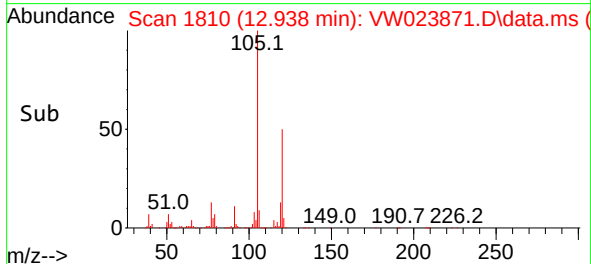
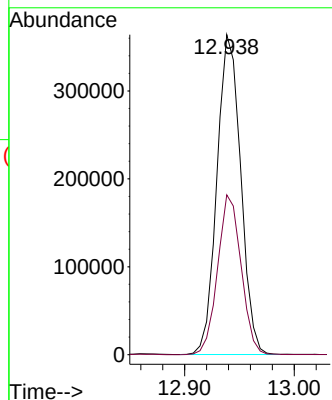
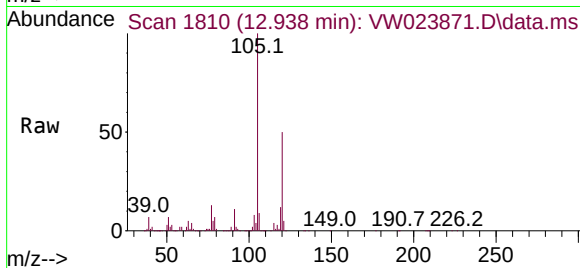
VSTD025495

Tgt Ion:105 Resp: 548547

Ion Ratio Lower Upper

105 100

120 49.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 27.057 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023871.D

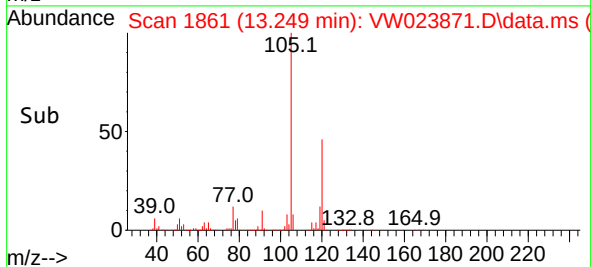
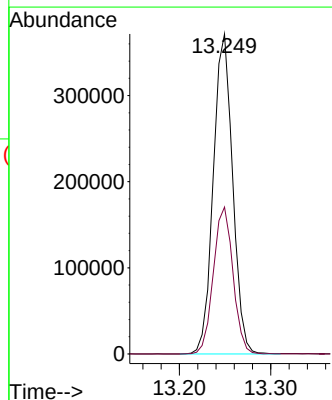
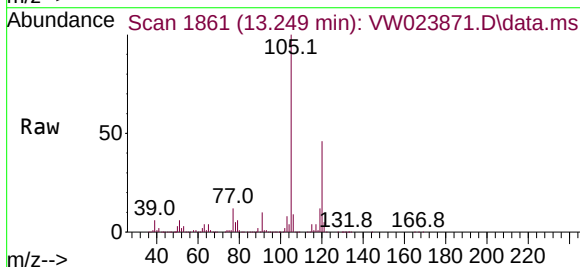
Acq: 19 Jul 2022 09:10

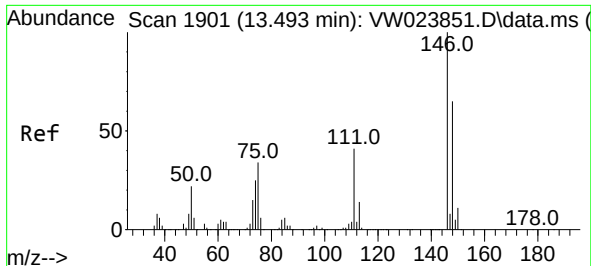
Tgt Ion:105 Resp: 545758

Ion Ratio Lower Upper

105 100

120 46.5 35.5 53.3

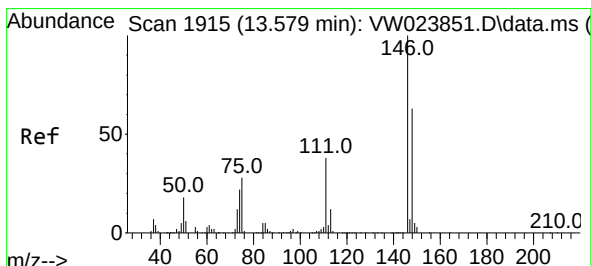
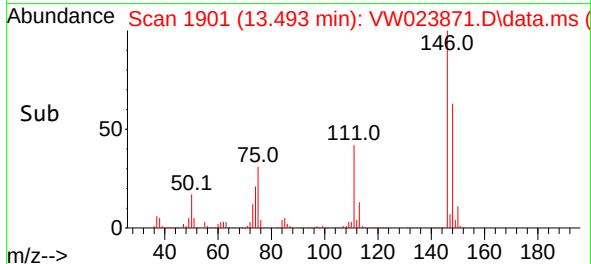
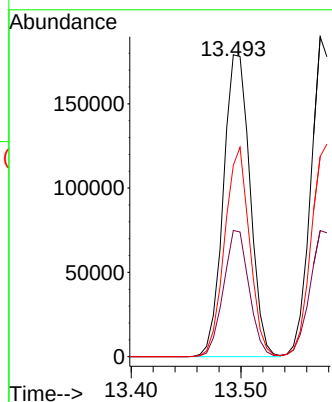
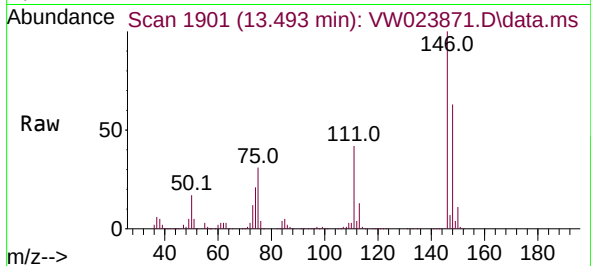




#64
1,3-Dichlorobenzene
Concen: 27.001 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

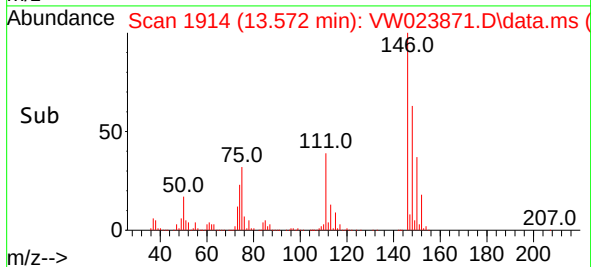
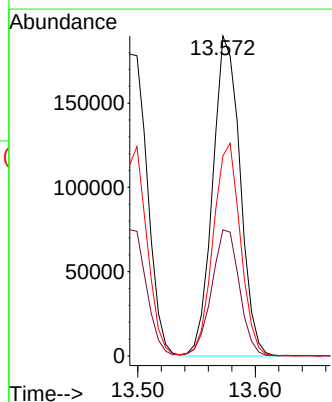
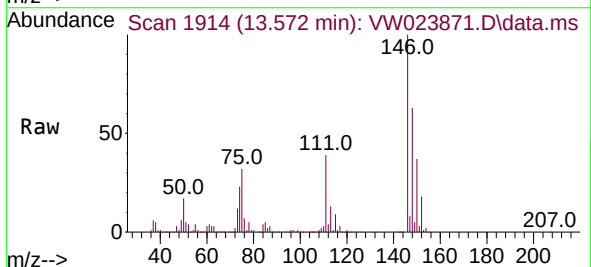
Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

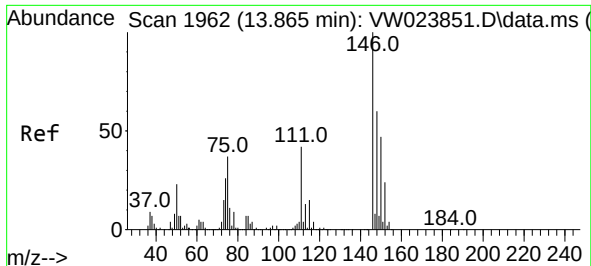
Tgt Ion:146 Resp: 302097
Ion Ratio Lower Upper
146 100
111 41.8 28.6 53.2
148 63.4 41.2 76.4



#65
1,4-Dichlorobenzene
Concen: 25.797 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW023871.D
Acq: 19 Jul 2022 09:10

Tgt Ion:146 Resp: 307062
Ion Ratio Lower Upper
146 100
111 39.4 29.4 54.6
148 62.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 27.610 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

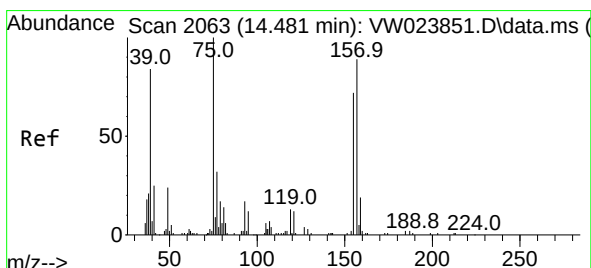
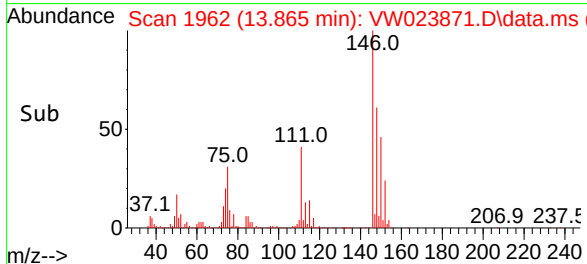
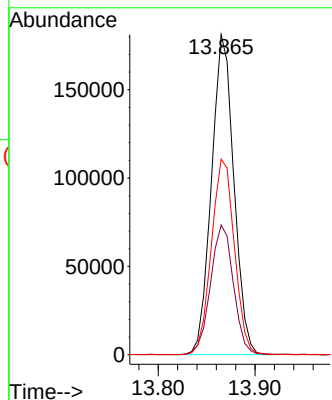
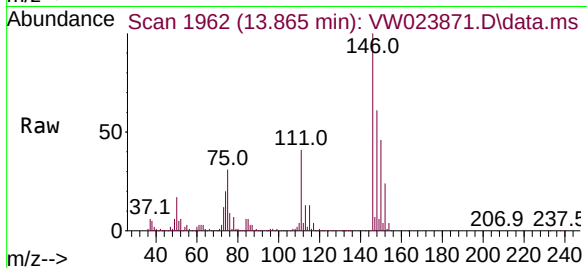
Tgt Ion:146 Resp: 291342

Ion Ratio Lower Upper

146 100

111 40.6 35.9 53.9

148 61.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 21.790 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

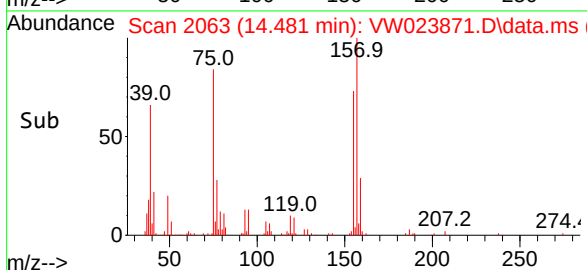
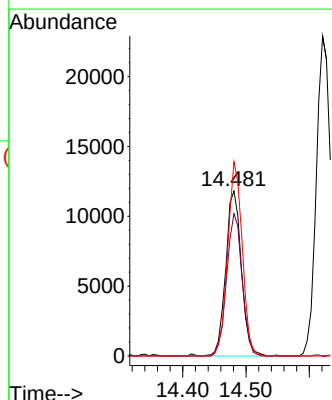
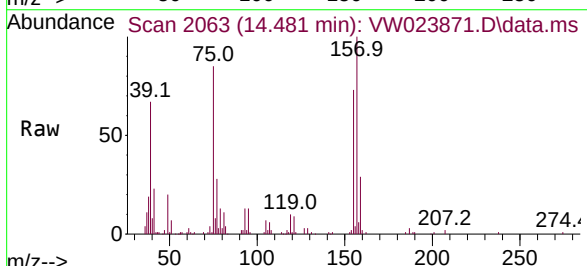
Tgt Ion: 75 Resp: 20216

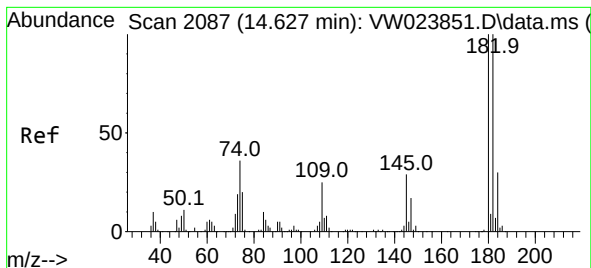
Ion Ratio Lower Upper

75 100

155 86.3 51.7 77.5#

157 117.8 63.5 95.3#





#69

1,3,5-Trichlorobenzene

Concen: 29.470 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

Tgt Ion:180 Resp: 218246

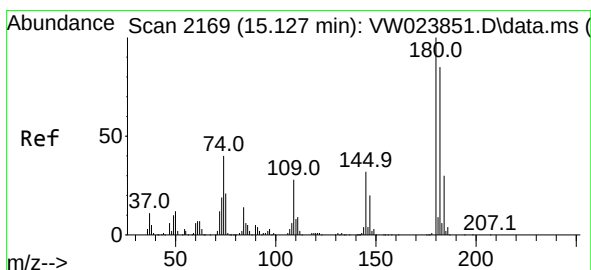
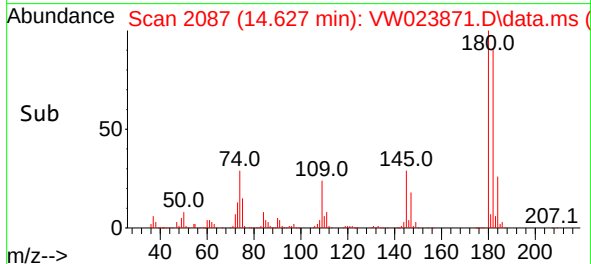
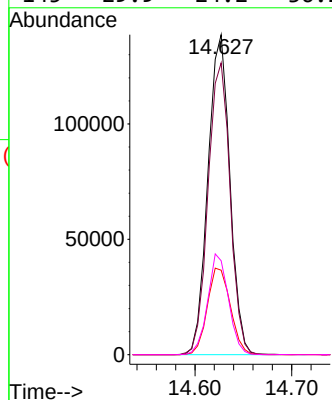
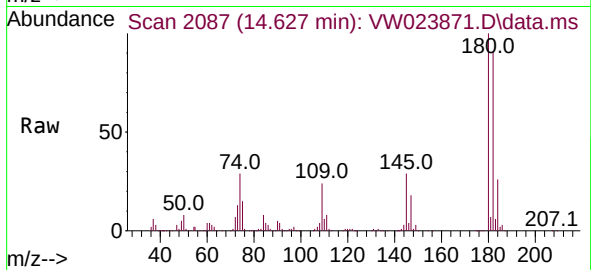
Ion Ratio Lower Upper

180 100

182 91.8 70.2 105.2

184 28.5 22.6 34.0

145 29.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 29.534 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

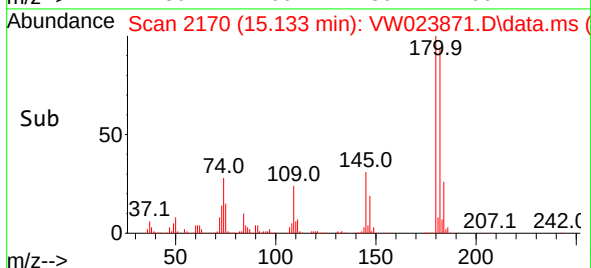
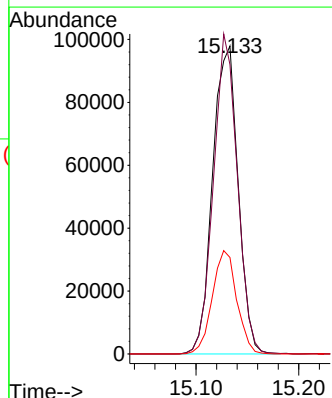
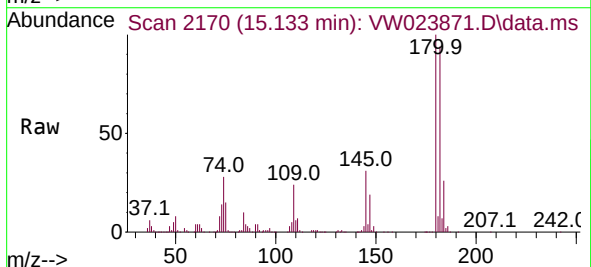
Tgt Ion:180 Resp: 168891

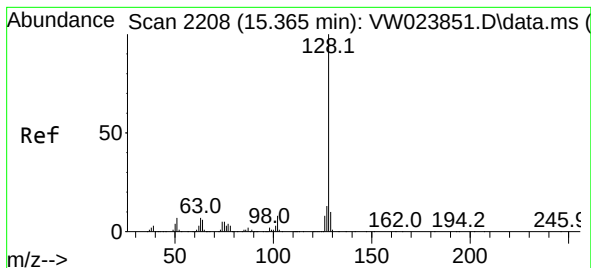
Ion Ratio Lower Upper

180 100

182 97.3 77.5 116.3

145 32.2 26.3 39.5





#71

Naphthalene

Concen: 28.789 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025495

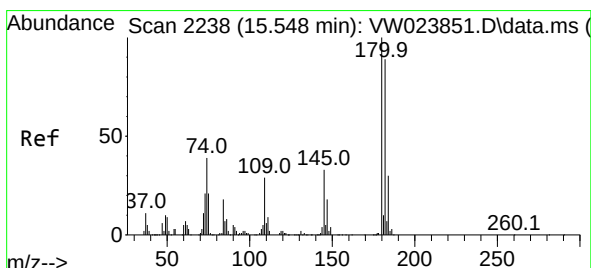
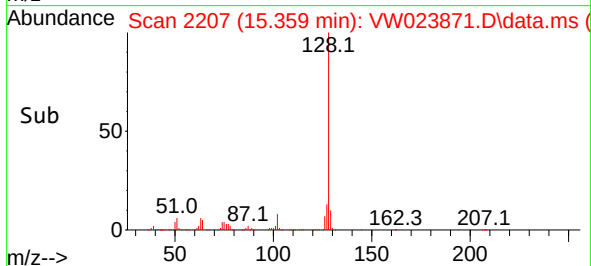
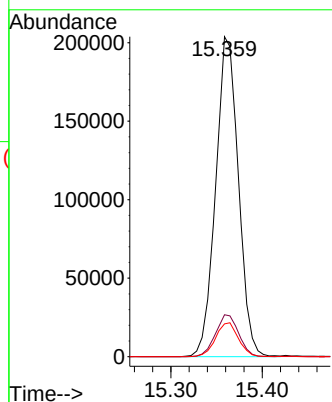
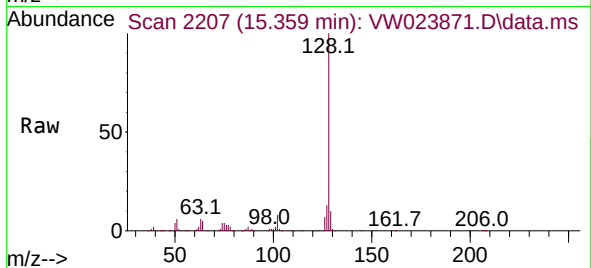
Tgt Ion:128 Resp: 353139

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

129 10.7 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 29.578 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW023871.D

Acq: 19 Jul 2022 09:10

Tgt Ion:180 Resp: 157651

Ion Ratio Lower Upper

180 100

182 88.7 76.3 114.5

145 32.9 27.8 41.6

