

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122322\
 Data File : VW025191.D
 Acq On : 23 Dec 2022 12:53
 Operator : SY/MD
 Sample : N6169-04MSD
 Misc : 4.65g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBQ97MSD

Quant Time: Dec 23 22:01:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120822SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 23 21:59:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	574298	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	511777	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	241490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	134633	20.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.360%
7) Chloroethane-d5	2.879	69	94117	22.017	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.080%
11) 1,1-Dichloroethene-d2	4.019	63	337937	23.300	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.200%
21) 2-Butanone-d5	7.074	46	178444	107.364	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	214.720%#
24) Chloroform-d	7.647	84	389440	26.270	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.080%
26) 1,2-Dichloroethane-d4	8.305	65	227893	30.314	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.240%
32) Benzene-d6	8.275	84	797396	26.568	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.280%
36) 1,2-Dichloropropane-d6	9.275	67	247135	28.299	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.200%
41) Toluene-d8	10.323	98	713141	26.207	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.840%
43) trans-1,3-Dichloroprop...	10.573	79	114062	30.920	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	123.680%
47) 2-Hexanone-d5	10.921	63	157672	123.059	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	246.120%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	259866	40.297	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	161.200%#
66) 1,2-Dichlorobenzene-d4	13.847	152	227435	27.786	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	76344	21.935	ug/L	97
3) Chloromethane	2.215	50	110274	17.994	ug/L	97
5) Vinyl chloride	2.355	62	136394	17.791	ug/L	100
6) Bromomethane	2.776	94	72618	18.280	ug/L	94
8) Chloroethane	2.916	64	63556	17.923	ug/L	98
9) Trichlorofluoromethane	3.257	101	97365	16.946	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	157577	20.763	ug/L	98
12) 1,1-Dichloroethene	4.038	96	152734	21.109	ug/L	95
13) Acetone	4.123	43	92438	54.106	ug/L	98
14) Carbon disulfide	4.385	76	439070	19.008	ug/L	99
15) Methyl Acetate	4.672	43	105429	37.808	ug/L	97
16) Methylene chloride	4.916	84	173195	19.295	ug/L	95
17) trans-1,2-Dichloroethene	5.422	96	162426	21.176	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	306717	26.949	ug/L	99
19) 1,1-Dichloroethane	6.214	63	295375	21.312	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	177907	21.935	ug/L	93
22) 2-Butanone	7.171	43	153597	71.461	ug/L	98
23) Bromochloromethane	7.513	128	82705	24.098	ug/L	98
25) Chloroform	7.677	83	300652	21.436	ug/L	99

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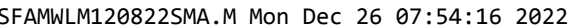
Instrument :
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 ClientSampleId :
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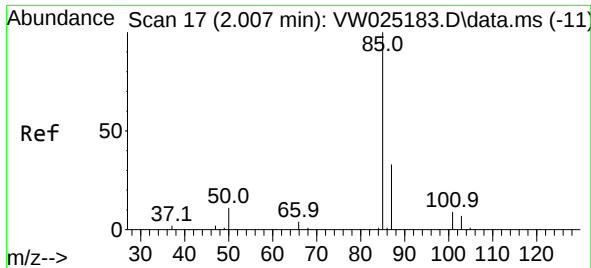
Quant Time: Dec 23 22:01:15 2022
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 Quant Title : SFAM01.0
 QLast Update : Fri Dec 23 21:59:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	216031	24.464	ug/L	99
29) Cyclohexane	7.952	56	276846	21.363	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	243933	20.192	ug/L	99
31) Carbon tetrachloride	8.067	117	217008	19.536	ug/L	98
33) Benzene	8.323	78	687527	21.686	ug/L	100
34) Trichloroethene	9.092	95	171101	20.603	ug/L	97
35) Methylcyclohexane	9.336	83	295567	20.066	ug/L	98
37) 1,2-Dichloropropane	9.366	63	175234	22.917	ug/L	99
38) Bromodichloromethane	9.640	83	227275	22.499	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	282490	24.178	ug/L	97
40) 4-Methyl-2-pentanone	10.207	43	332462	84.816	ug/L	99
42) Toluene	10.384	91	711289	21.413	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	255899	25.575	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	151424	27.750	ug/L	97
46) Tetrachloroethene	10.860	164	134369	22.227	ug/L	97
48) 2-Hexanone	10.963	43	239244	83.561	ug/L	99
49) Dibromochloromethane	11.128	129	165870	25.310	ug/L	91
50) 1,2-Dibromoethane	11.232	107	150035	29.531	ug/L	94
51) Chlorobenzene	11.652	112	449144	21.128	ug/L	98
52) Ethylbenzene	11.725	91	773711	20.554	ug/L	96
53) m,p-Xylene	11.835	106	300020	20.870	ug/L	99
54) o-Xylene	12.164	106	290690	21.217	ug/L	100
55) Styrene	12.176	104	493941	21.289	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	209941	32.898	ug/L	97
59) Bromoform	12.347	173	98125	29.589	ug/L	97
60) Isopropylbenzene	12.457	105	761817	20.581	ug/L	99
61) 1,2,3-Trichloropropane	12.762	75	156654	33.749	ug/L	99
62) 1,3,5-Trimethylbenzene	12.939	105	648721	20.460	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	640721	20.800	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	315113	20.794	ug/L	100
65) 1,4-Dichlorobenzene	13.573	146	310861	20.370	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	298943	22.620	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	41409	38.262	ug/L	97
69) 1,3,5-Trichlorobenzene	14.621	180	186995	17.378	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	160085	18.542	ug/L	98
71) Naphthalene	15.359	128	493752	29.173	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	152210	20.117	ug/L	98

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

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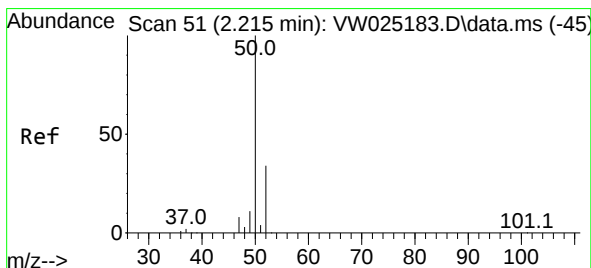
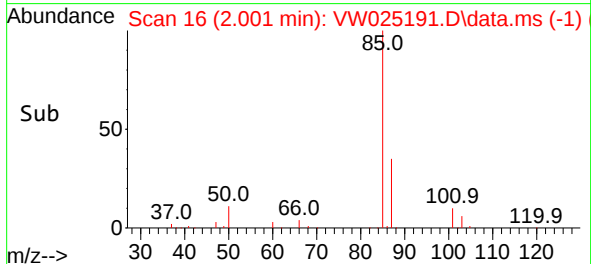
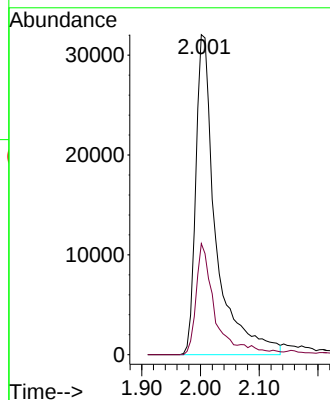
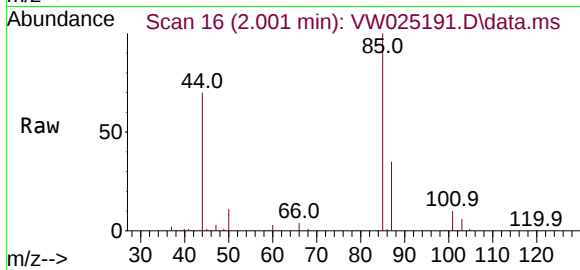




#2
 Dichlorodifluoromethane
 Concen: 21.935 ug/L
 RT: 2.001 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

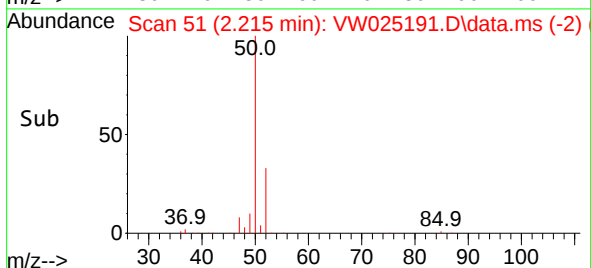
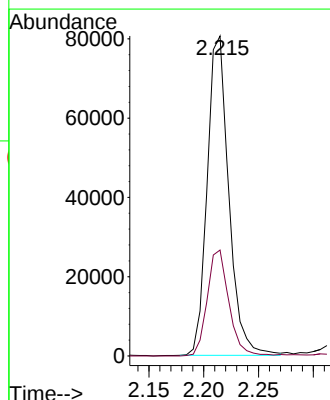
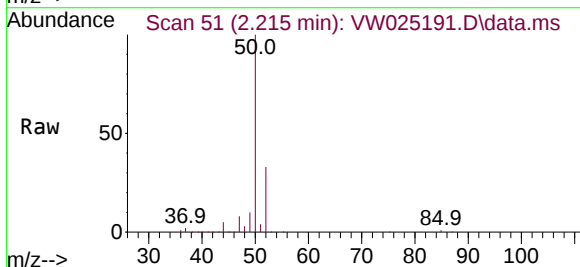
Instrument :
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 ClientSampleId :
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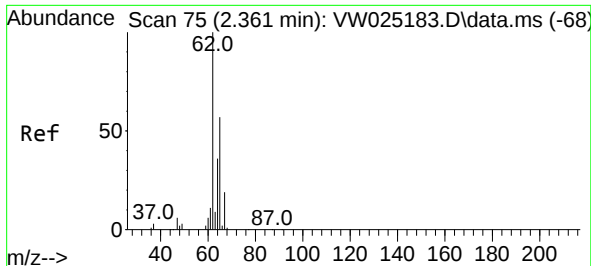
Tgt Ion: 85 Resp: 76344
 Ion Ratio Lower Upper
 85 100
 87 29.5 25.0 37.6



#3
 Chloromethane
 Concen: 17.994 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

Tgt Ion: 50 Resp: 110274
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.1 41.1

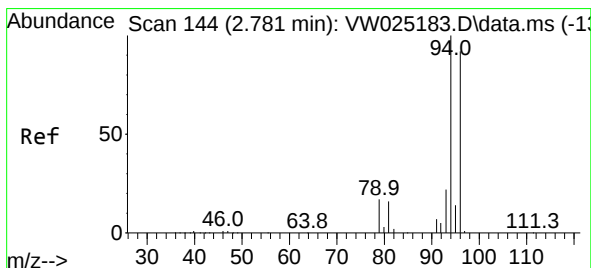
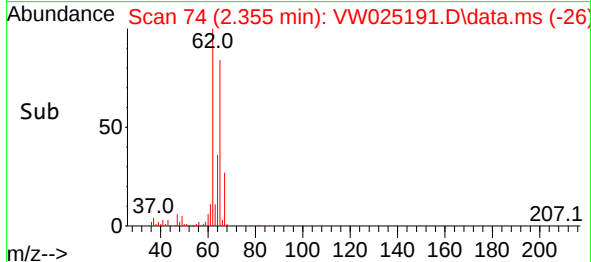
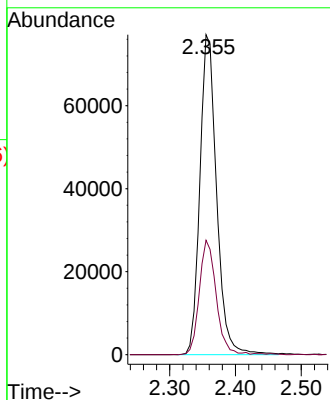
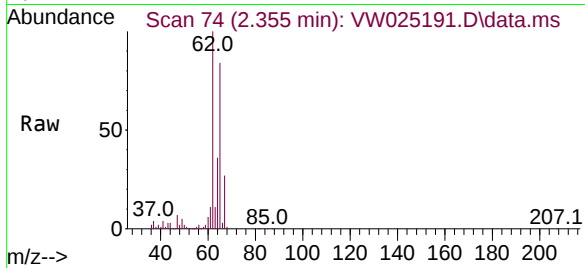




#5
 Vinyl chloride
 Concen: 17.791 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

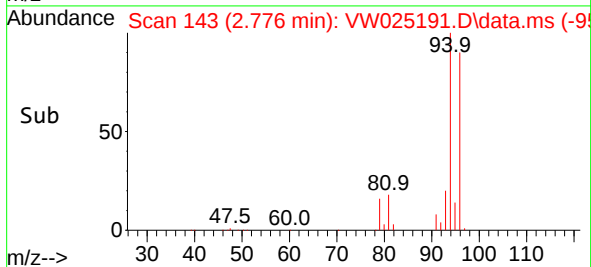
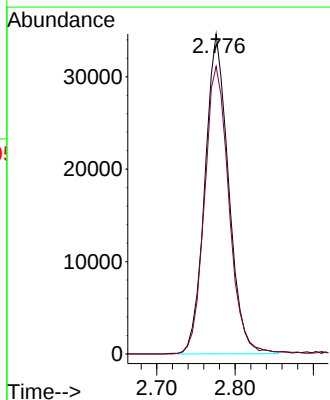
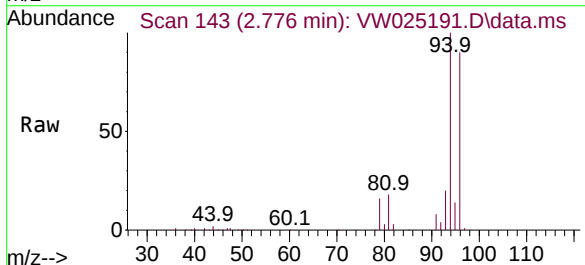
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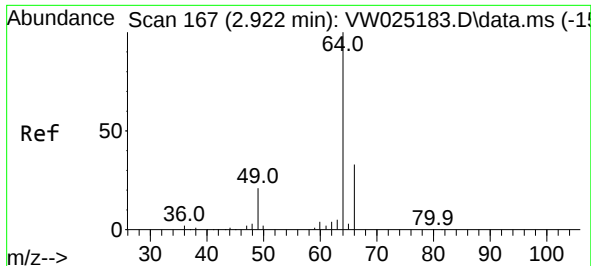
Tgt Ion: 62 Resp: 136394
 Ion Ratio Lower Upper
 62 100
 64 35.7 24.8 46.1



#6
 Bromomethane
 Concen: 18.280 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

Tgt Ion: 94 Resp: 72618
 Ion Ratio Lower Upper
 94 100
 96 89.9 66.7 123.9

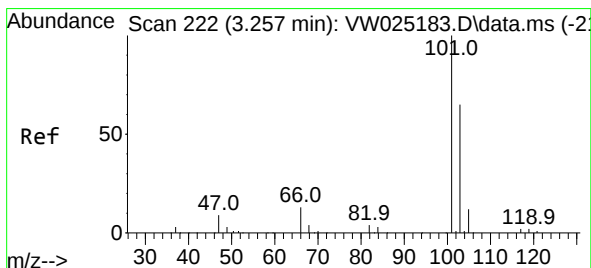
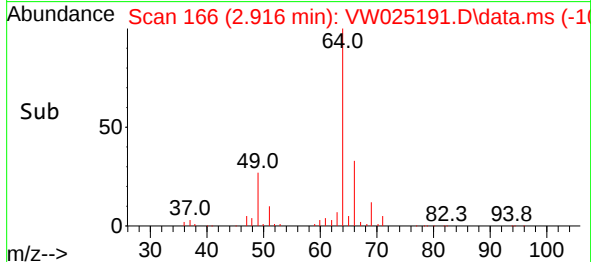
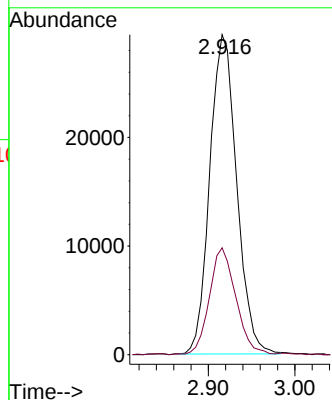
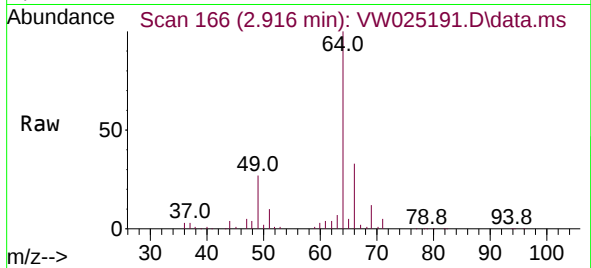




#8
Chloroethane
Concen: 17.923 ug/L
RT: 2.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

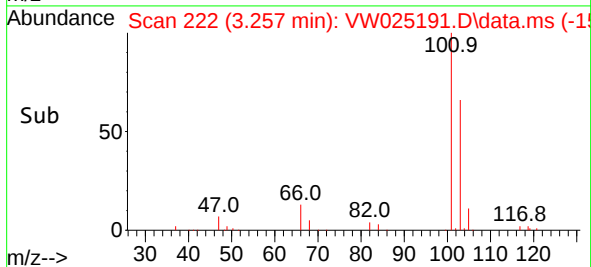
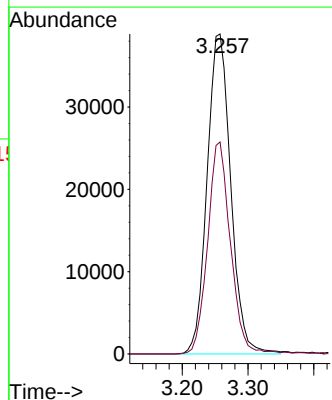
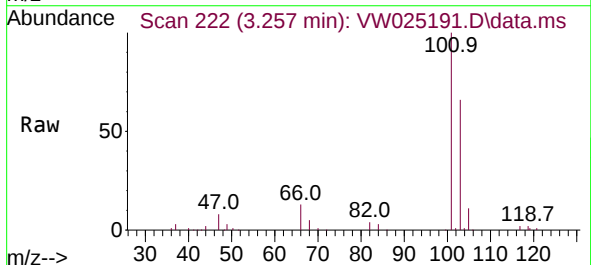
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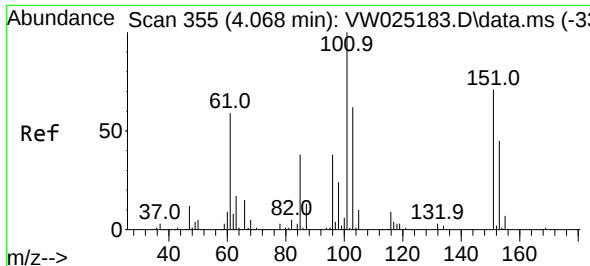
Tgt Ion: 64 Resp: 63556
Ion Ratio Lower Upper
64 100
66 33.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 16.946 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion:101 Resp: 97365
Ion Ratio Lower Upper
101 100
103 63.3 50.9 76.3

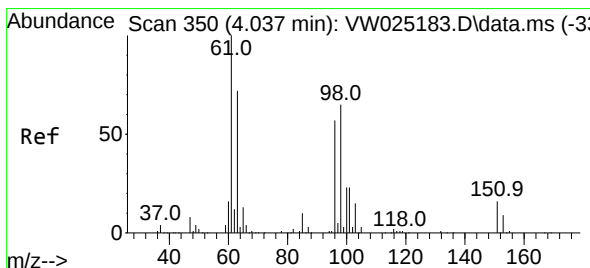
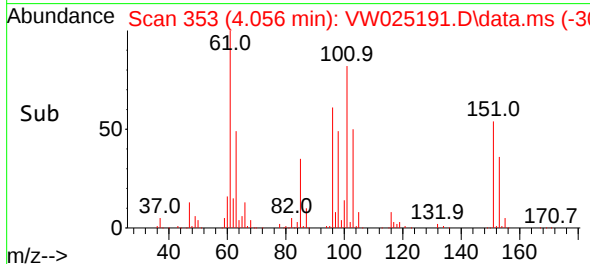
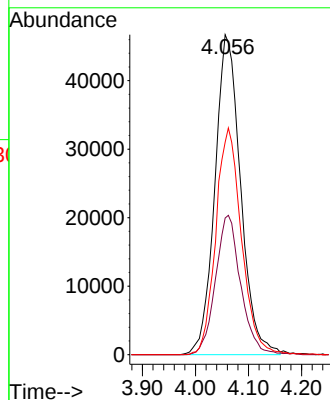
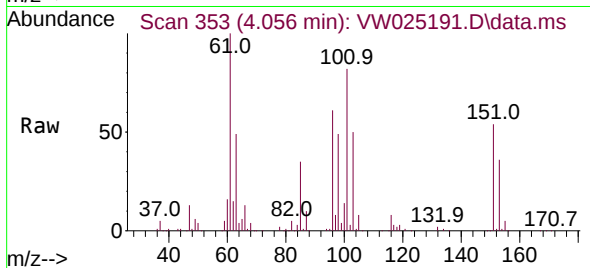




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.763 ug/L
 RT: 4.056 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

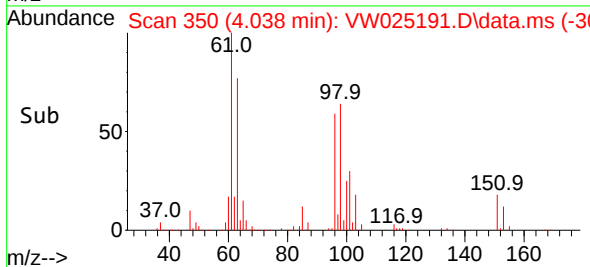
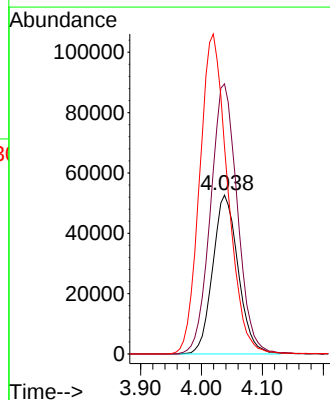
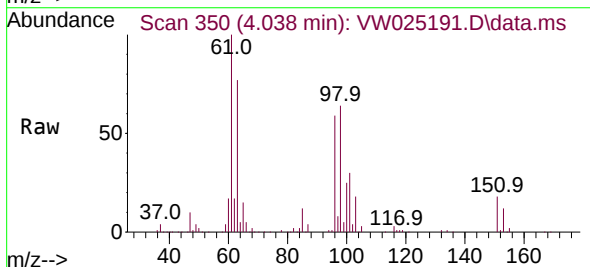
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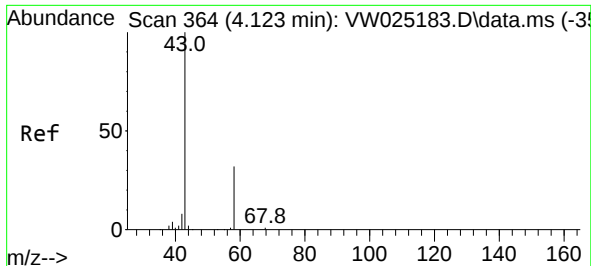
Tgt Ion:101 Resp: 157577
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.6 52.0
 151 70.6 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 21.109 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. 0.000 min
 Lab File: VW025191.D
 Acq: 23 Dec 2022 12:53

Tgt Ion: 96 Resp: 152734
 Ion Ratio Lower Upper
 96 100
 61 169.9 120.8 224.4
 63 130.3 84.1 156.1





#13

Acetone

Concen: 54.106 ug/L

RT: 4.123 min Scan# 364

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

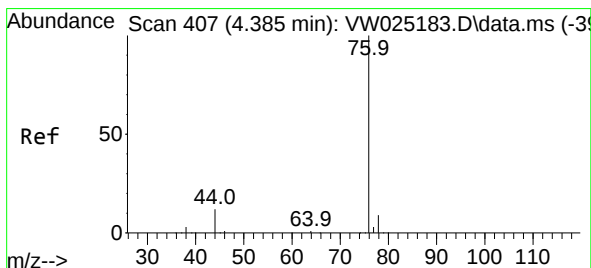
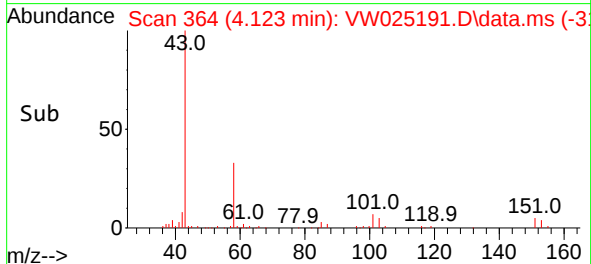
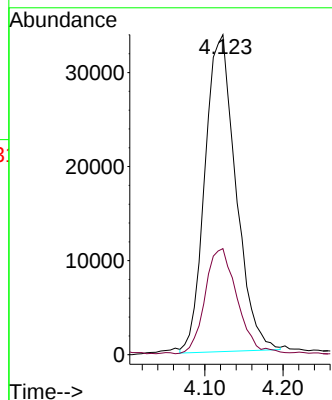
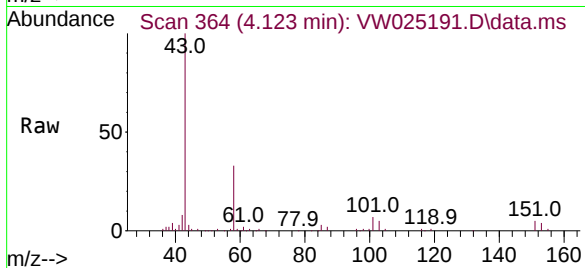
GBQ97MSD

Tgt Ion: 43 Resp: 92438

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.2



#14

Carbon disulfide

Concen: 19.008 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW025191.D

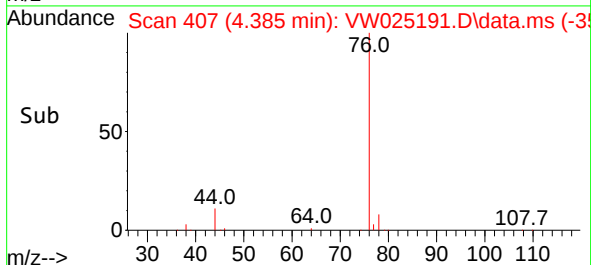
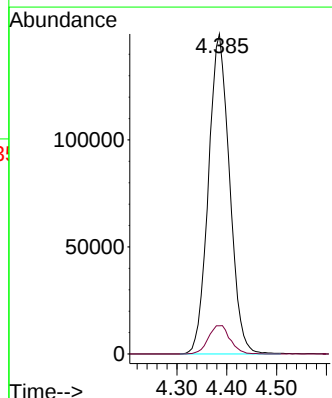
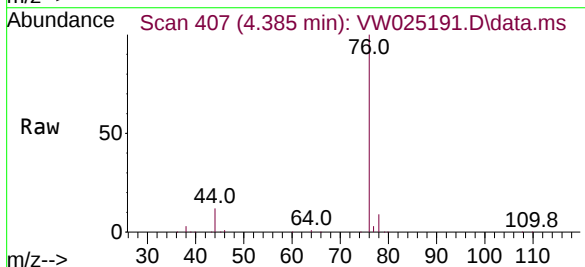
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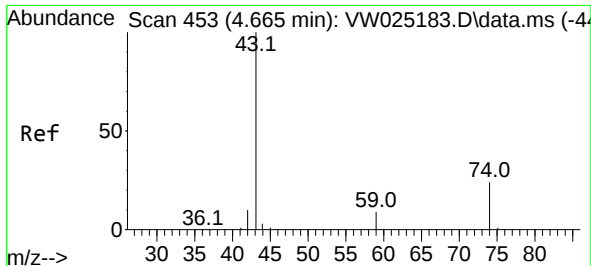
Tgt Ion: 76 Resp: 439070

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

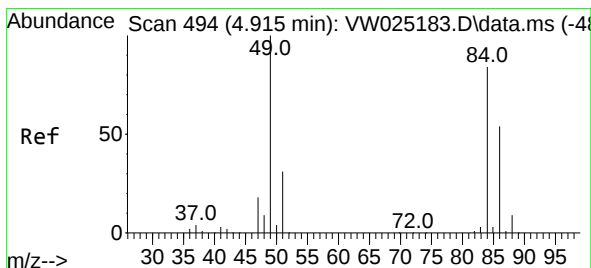
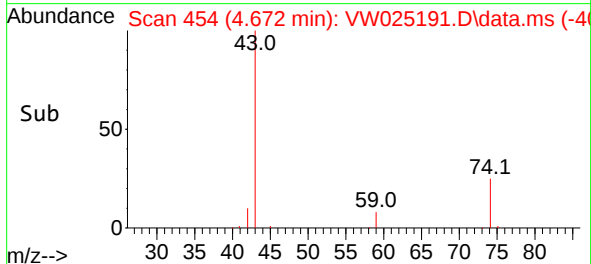
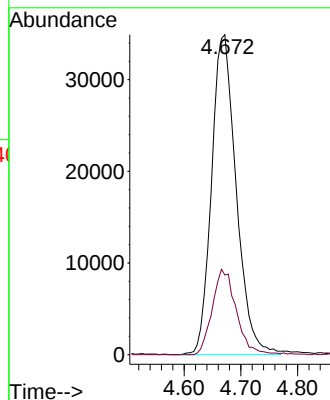
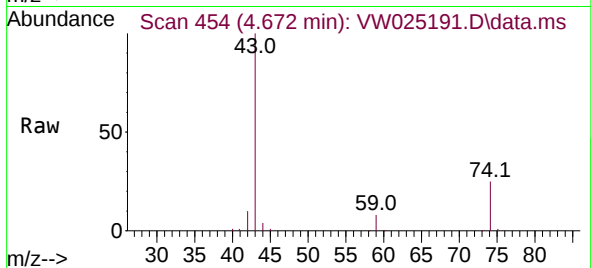




#15
Methyl Acetate
Concen: 37.808 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

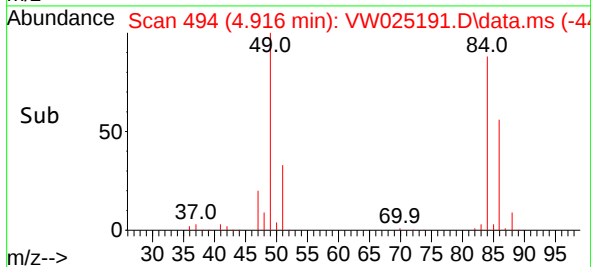
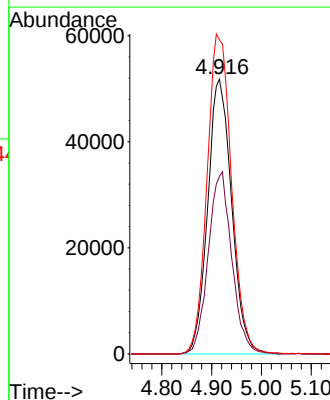
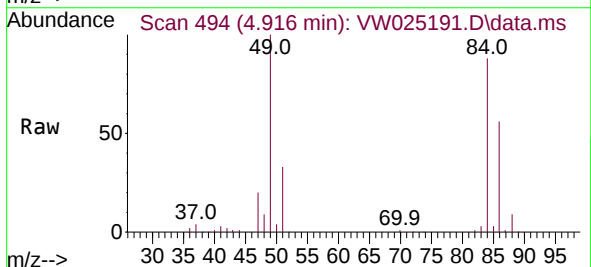
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

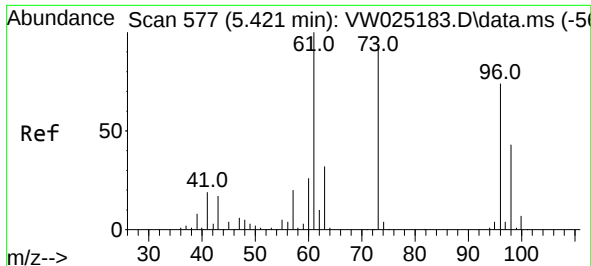
Tgt Ion: 43 Resp: 105429
Ion Ratio Lower Upper
43 100
74 25.7 19.5 29.3



#16
Methylene chloride
Concen: 19.295 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 84 Resp: 173195
Ion Ratio Lower Upper
84 100
86 64.5 45.0 83.6
49 114.2 86.3 160.3

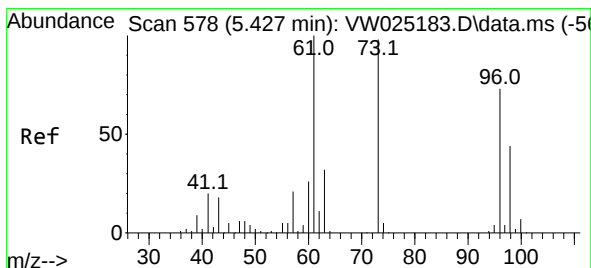
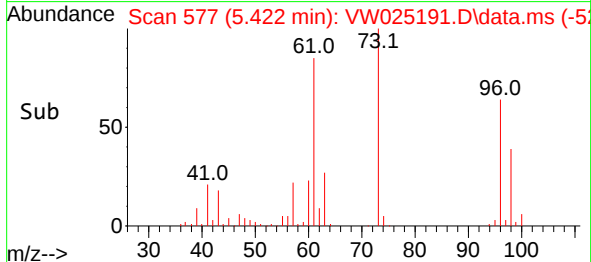
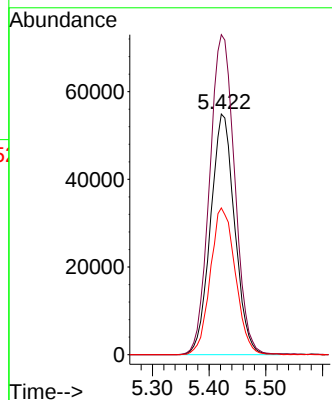
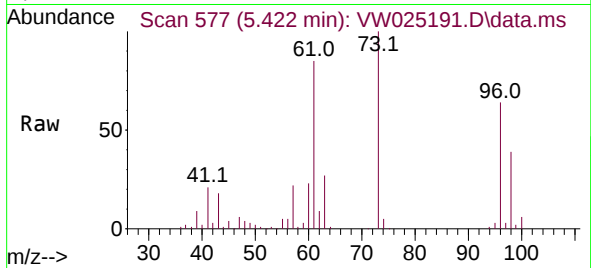




#17
trans-1,2-Dichloroethene
Concen: 21.176 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

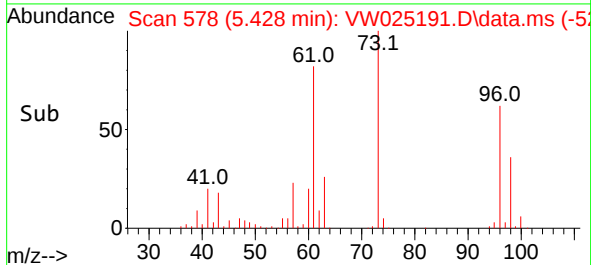
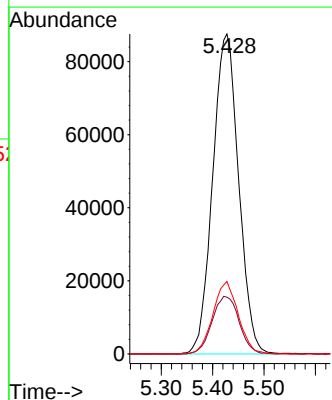
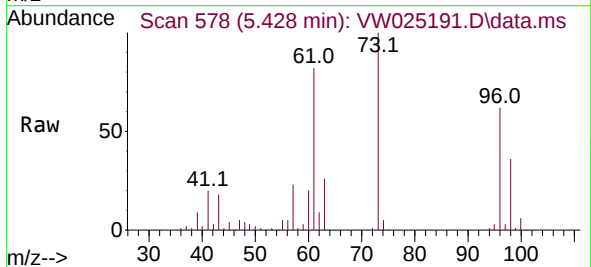
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

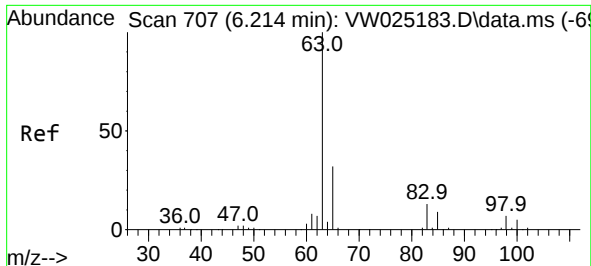
Tgt Ion: 96 Resp: 162426
Ion Ratio Lower Upper
96 100
61 133.0 95.5 177.3
98 61.0 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 26.949 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 73 Resp: 306717
Ion Ratio Lower Upper
73 100
43 18.8 15.6 23.4
57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 21.312 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

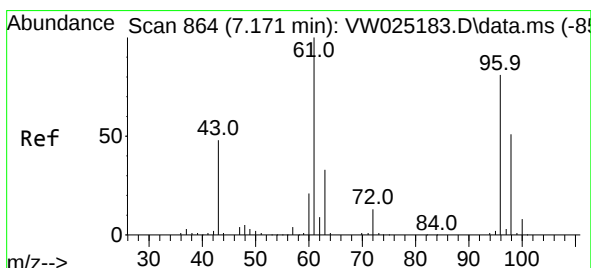
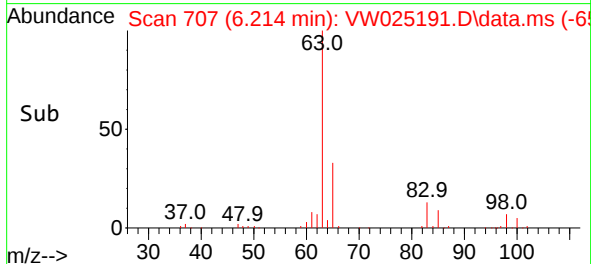
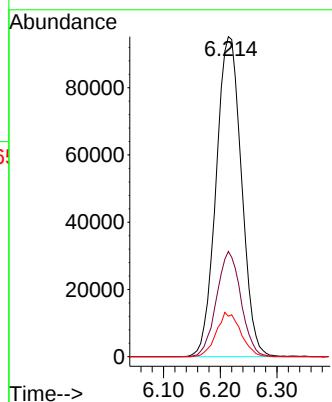
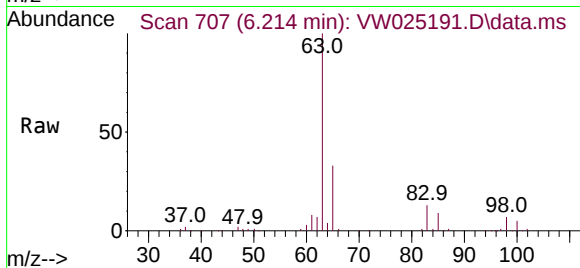
Tgt Ion: 63 Resp: 295375

Ion Ratio Lower Upper

63 100

65 32.9 22.2 41.2

83 12.6 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 21.935 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

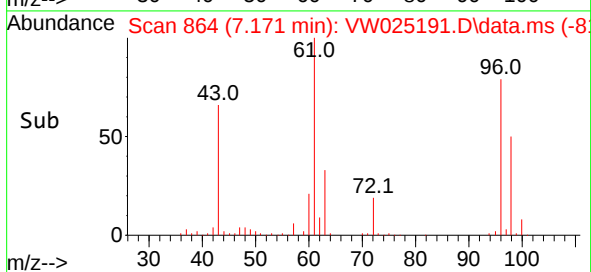
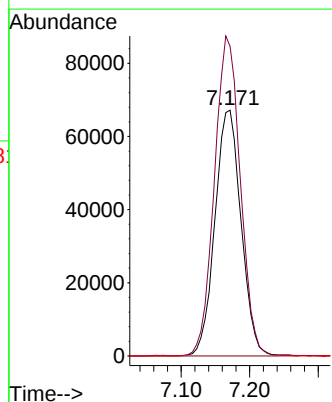
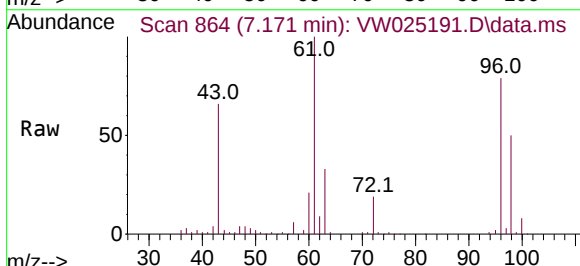
Tgt Ion: 96 Resp: 177907

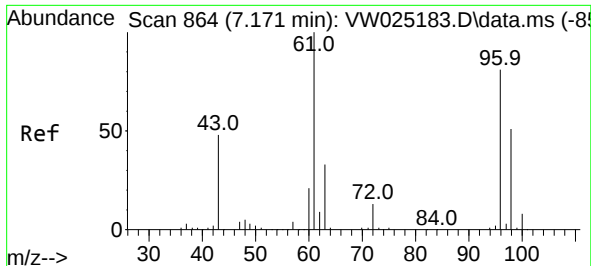
Ion Ratio Lower Upper

96 100

61 125.9 93.7 173.9

68 0.0 0.0 0.0

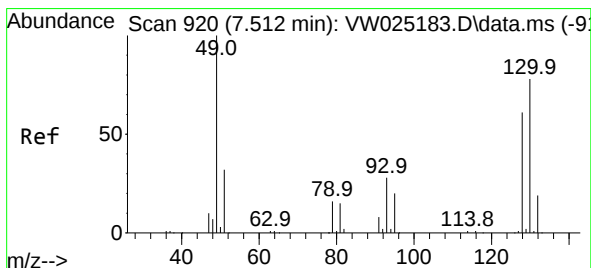
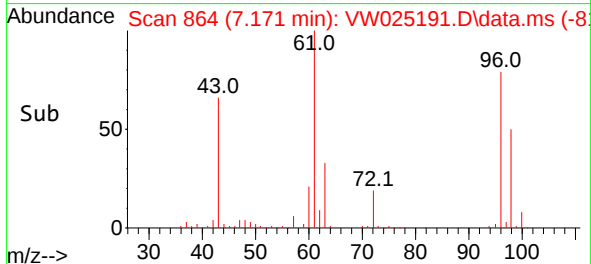
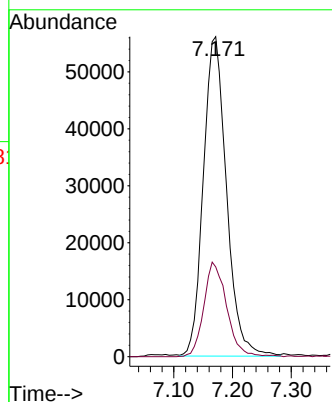
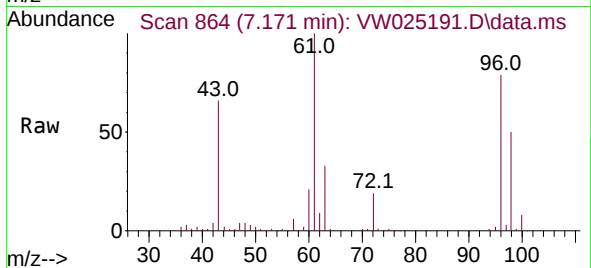




#22
2-Butanone
Concen: 71.461 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

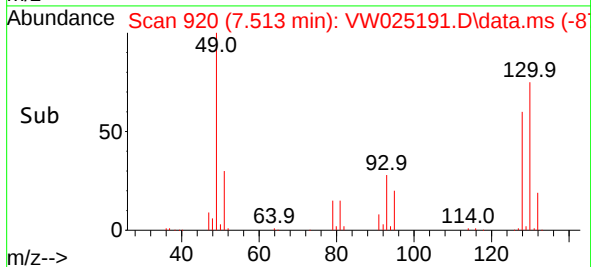
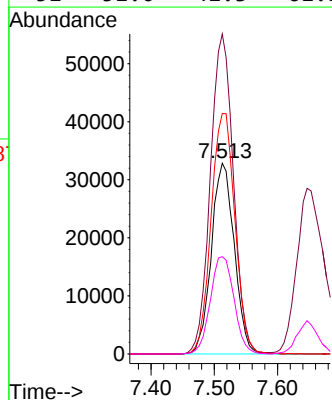
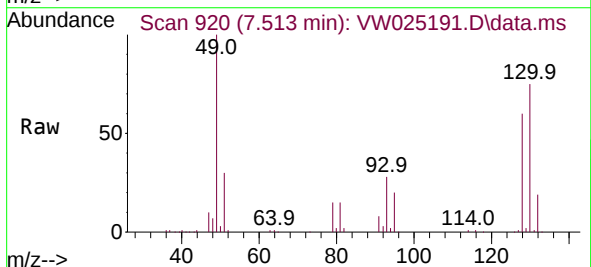
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

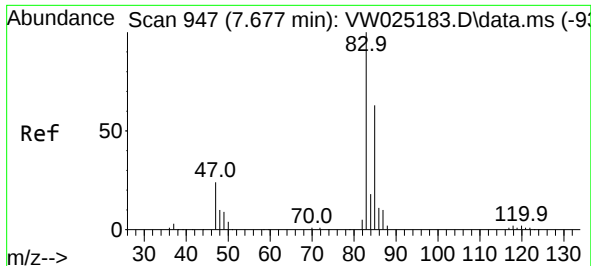
Tgt Ion: 43 Resp: 153597
Ion Ratio Lower Upper
43 100
72 29.0 15.0 45.0



#23
Bromochloromethane
Concen: 24.098 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 128 Resp: 82705
Ion Ratio Lower Upper
128 100
49 167.8 114.1 211.9
130 126.1 89.0 165.2
51 51.0 41.3 61.9

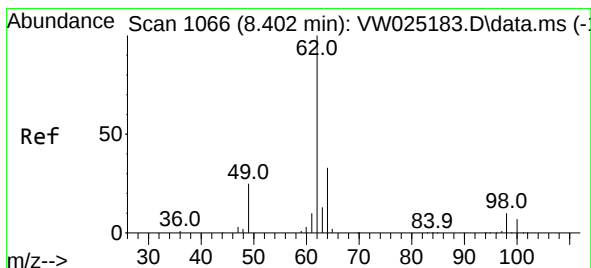
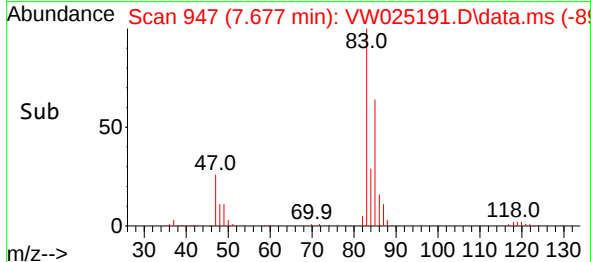
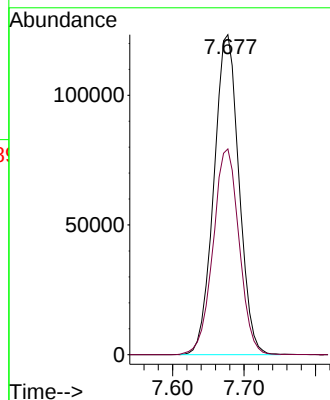
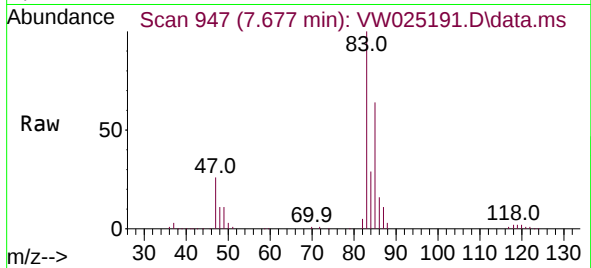




#25
Chloroform
Concen: 21.436 ug/L
RT: 7.677 min Scan# 94
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

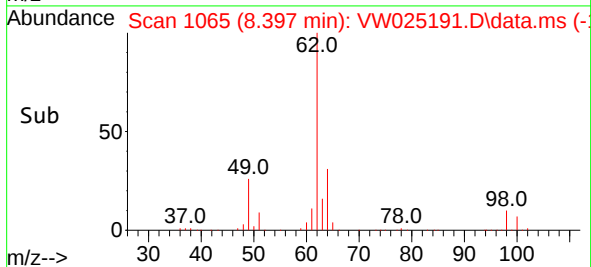
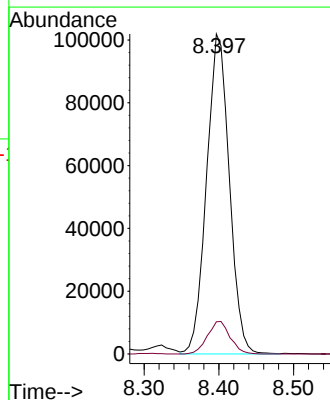
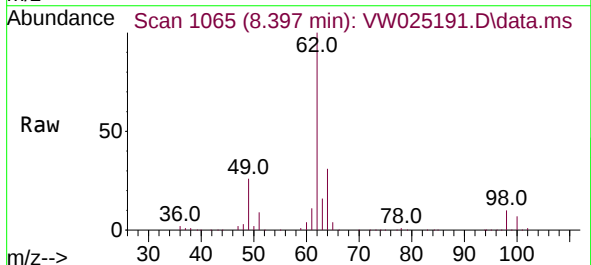
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

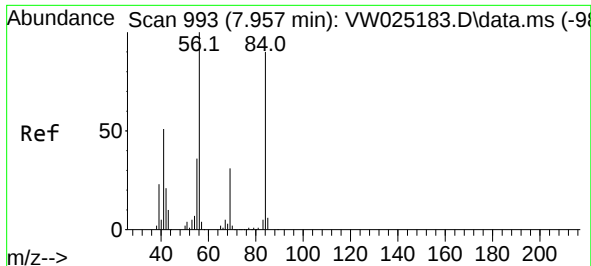
Tgt Ion: 83 Resp: 300652
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.464 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

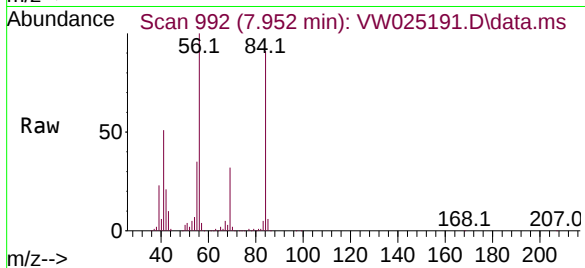
Tgt Ion: 62 Resp: 216031
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8



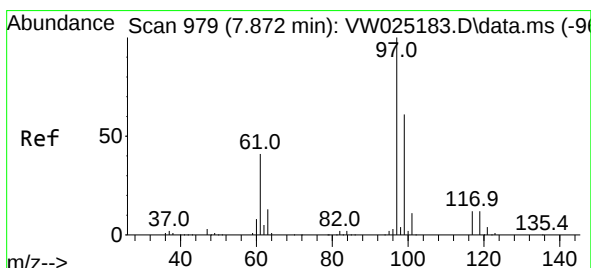
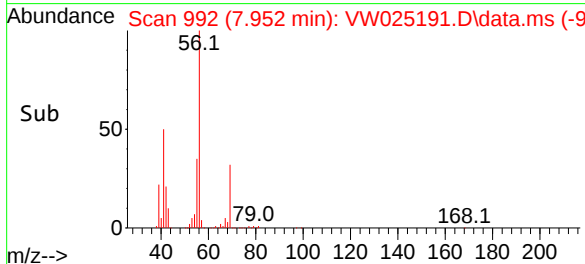
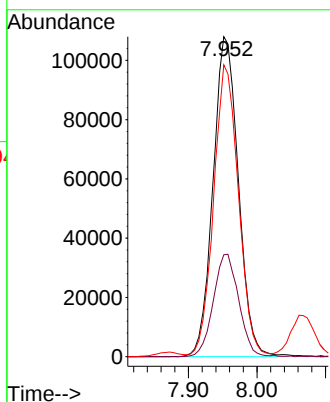


#29
Cyclohexane
Concen: 21.363 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

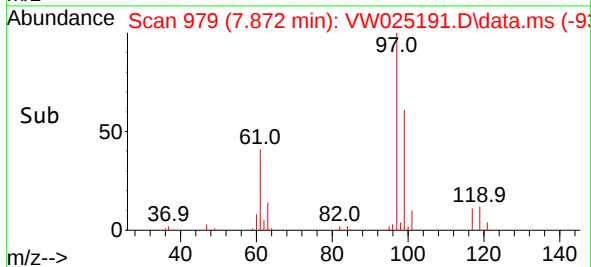
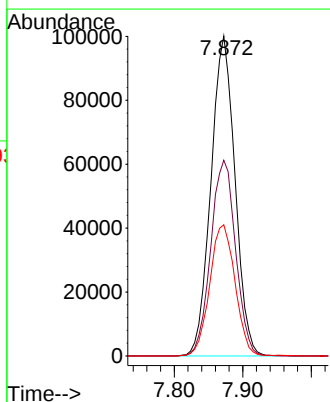
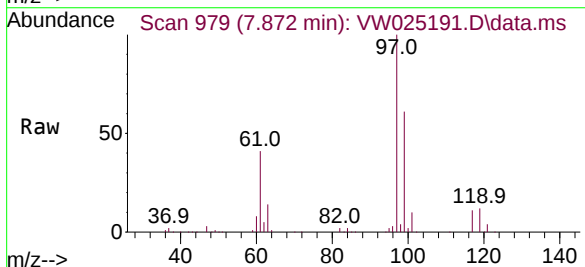


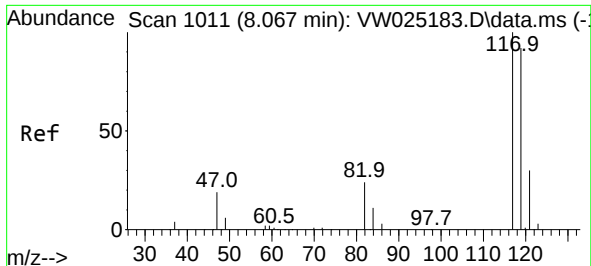
Tgt Ion: 56 Resp: 276846
Ion Ratio Lower Upper
56 100
69 31.9 25.0 37.6
84 89.4 70.9 106.3



#30
1,1,1-Trichloroethane
Concen: 20.192 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 97 Resp: 243933
Ion Ratio Lower Upper
97 100
99 63.3 50.9 76.3
61 43.1 35.5 53.3

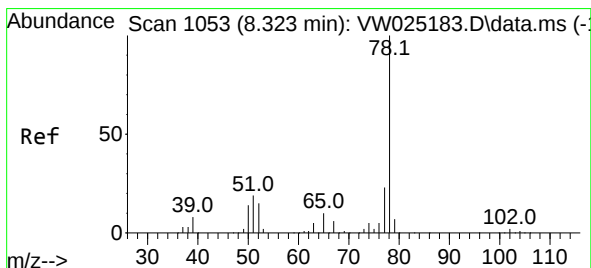
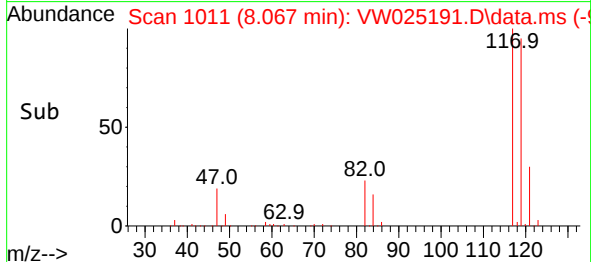
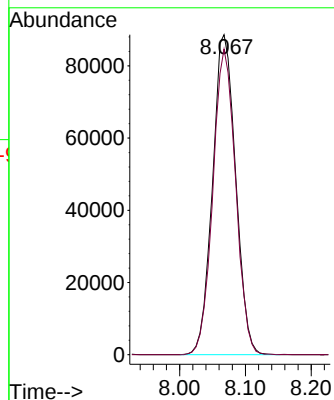
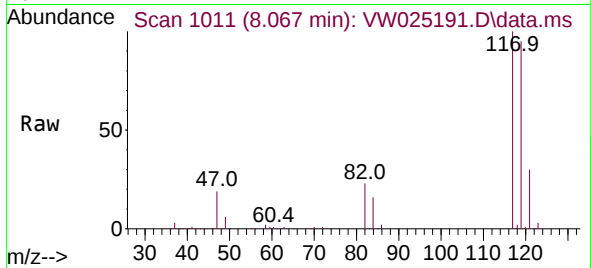




#31
Carbon tetrachloride
Concen: 19.536 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

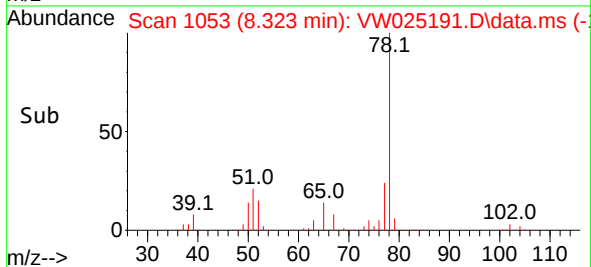
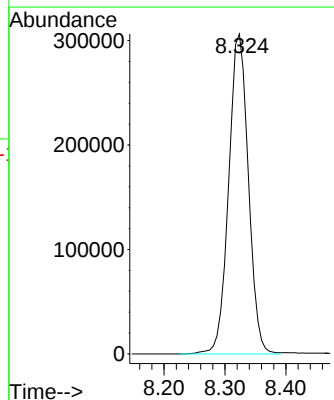
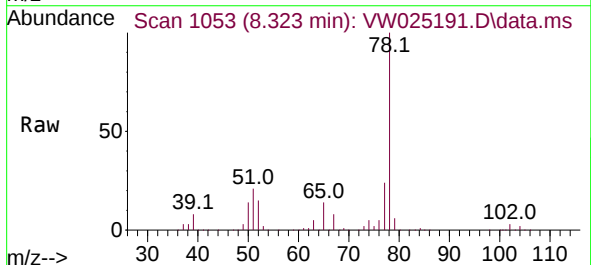
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

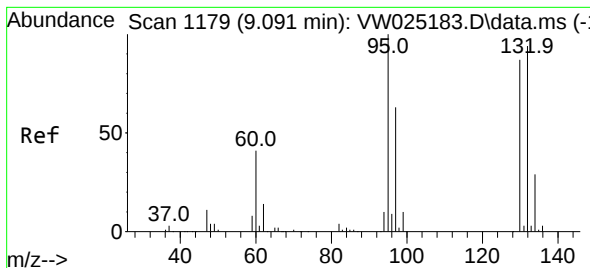
Tgt Ion:117 Resp: 217008
Ion Ratio Lower Upper
117 100
119 93.8 77.0 115.4



#33
Benzene
Concen: 21.686 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 78 Resp: 687527





#34

Trichloroethene

Concen: 20.603 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

Tgt Ion: 95 Resp: 171101

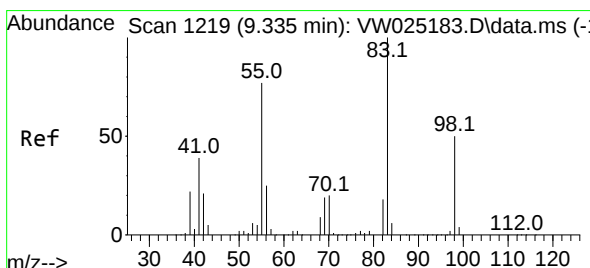
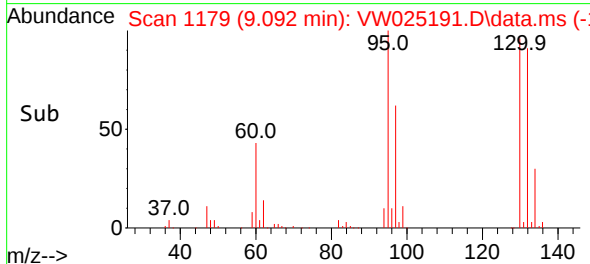
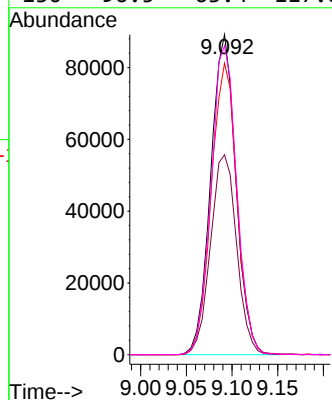
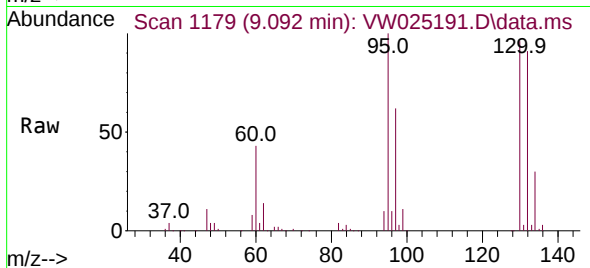
Ion Ratio Lower Upper

95 100

97 62.5 44.3 82.3

132 91.1 63.0 117.0

130 96.5 63.4 117.8



#35

Methylcyclohexane

Concen: 20.066 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

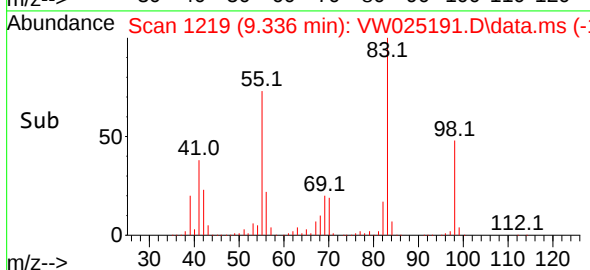
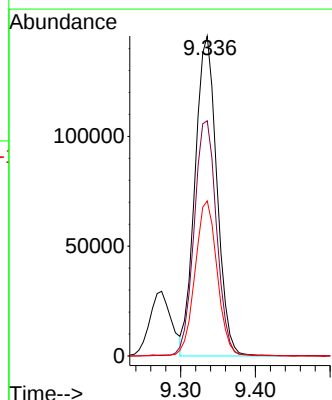
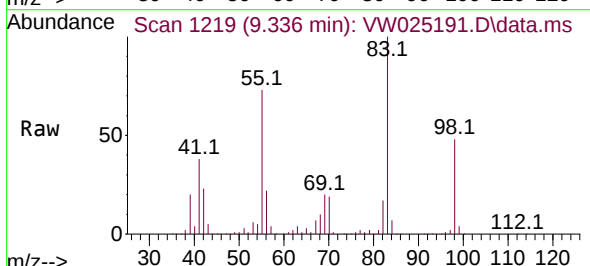
Tgt Ion: 83 Resp: 295567

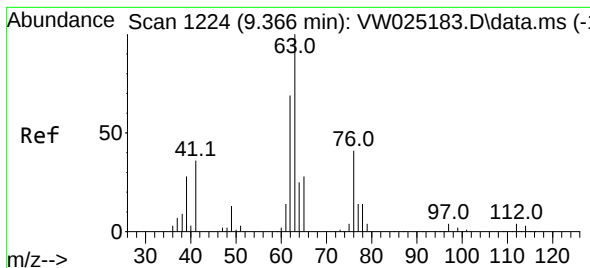
Ion Ratio Lower Upper

83 100

55 75.6 59.3 88.9

98 49.0 38.6 57.8

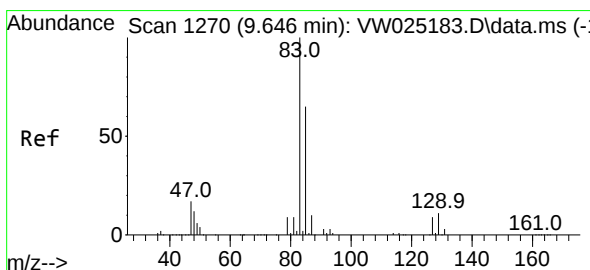
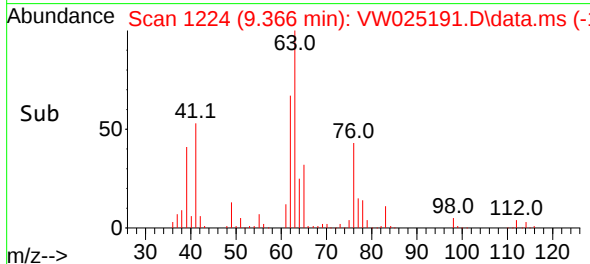
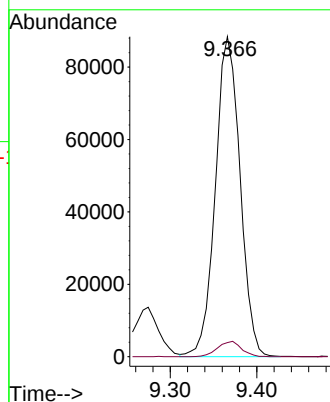
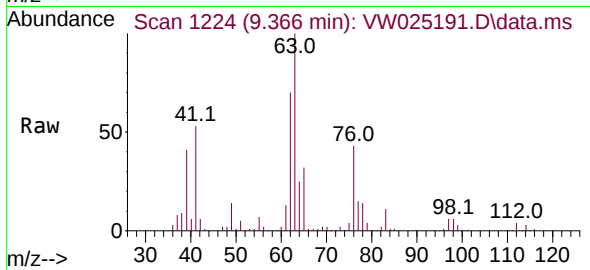




#37
1,2-Dichloropropane
Concen: 22.917 ug/L
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

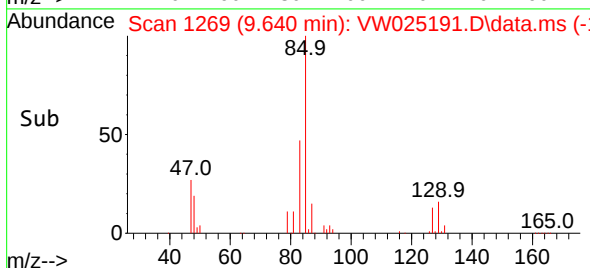
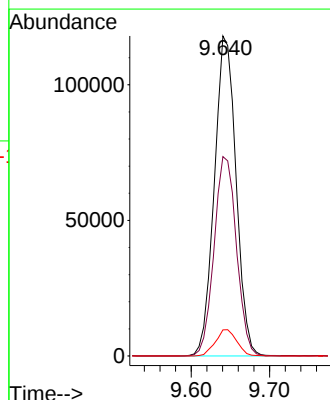
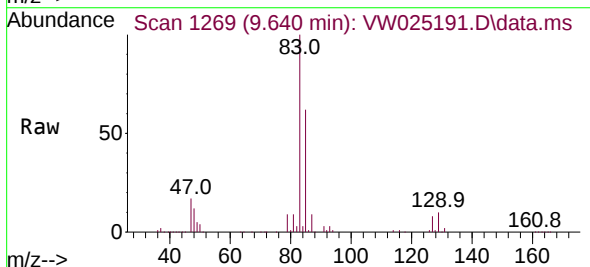
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

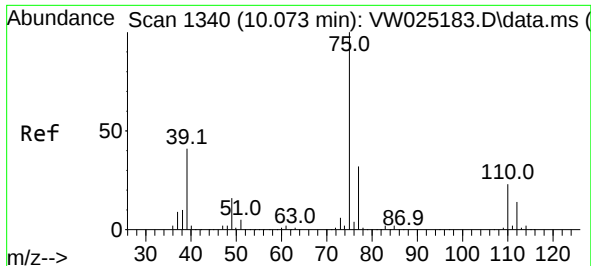
Tgt Ion: 63 Resp: 175234
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.2



#38
Bromodichloromethane
Concen: 22.499 ug/L
RT: 9.640 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 83 Resp: 227275
Ion Ratio Lower Upper
83 100
85 62.3 44.2 82.2
127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 24.178 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

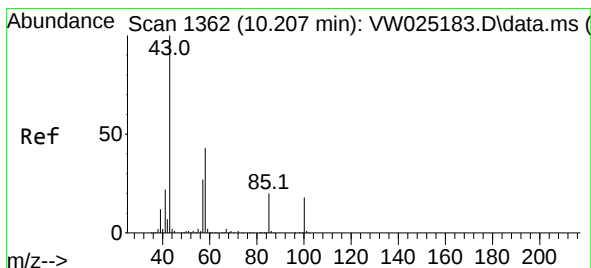
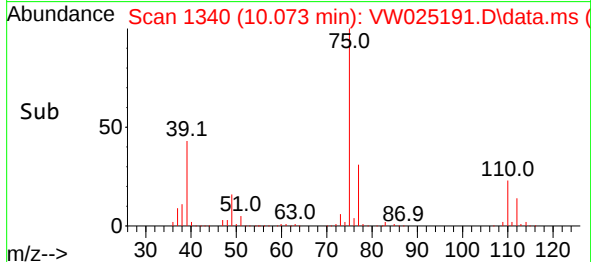
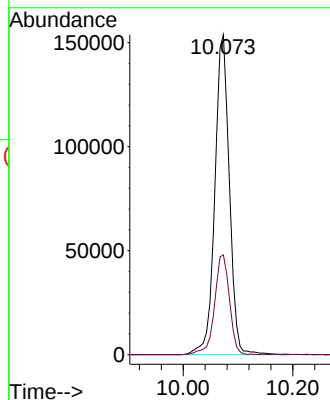
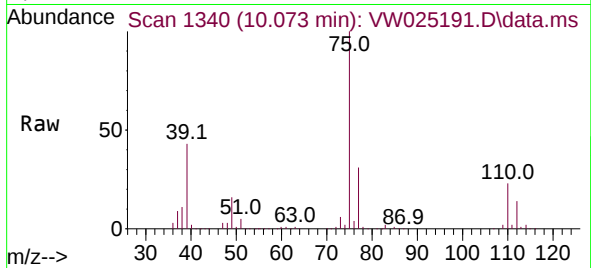
GBQ97MSD

Tgt Ion: 75 Resp: 282490

Ion Ratio Lower Upper

75 100

77 31.2 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 84.816 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

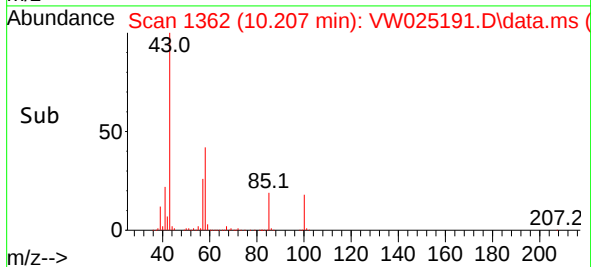
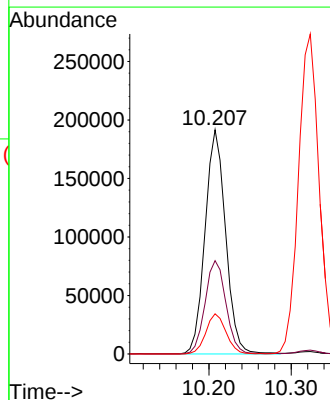
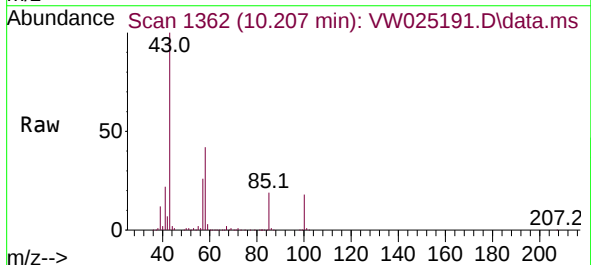
Tgt Ion: 43 Resp: 332462

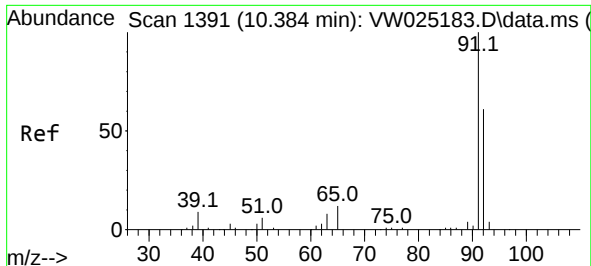
Ion Ratio Lower Upper

43 100

58 42.3 33.3 49.9

100 17.6 13.8 20.6

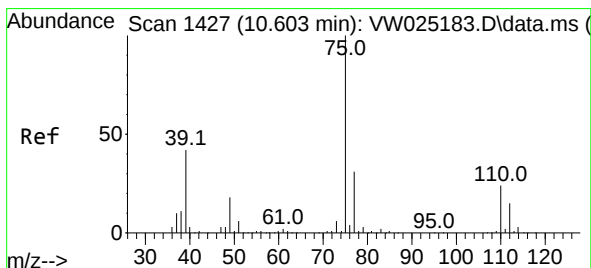
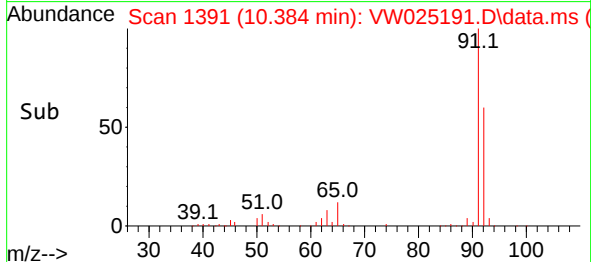
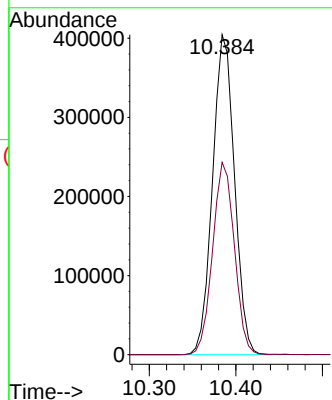
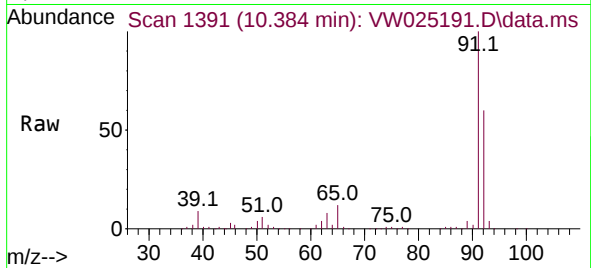




#42
Toluene
Concen: 21.413 ug/L
RT: 10.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

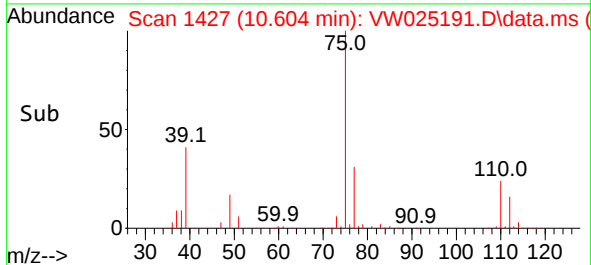
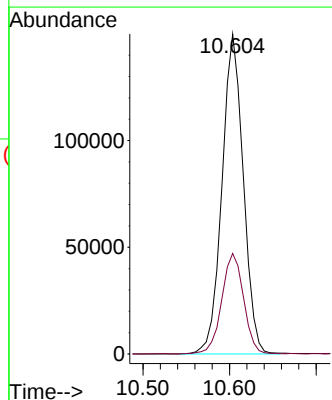
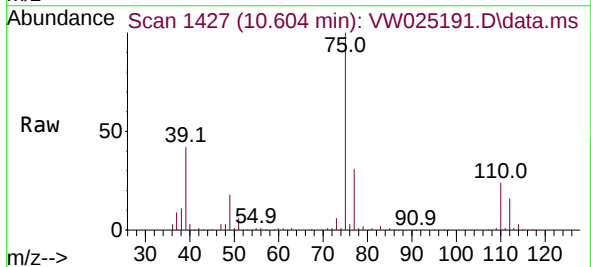
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

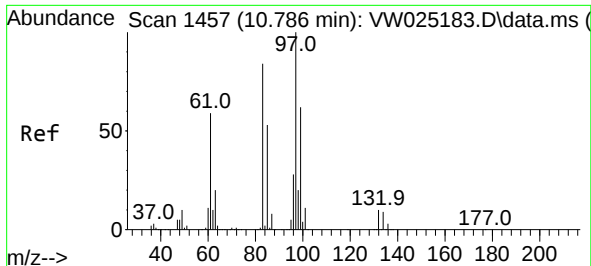
Tgt Ion: 91 Resp: 711289
Ion Ratio Lower Upper
91 100
92 60.1 41.2 76.4



#44
trans-1,3-Dichloropropene
Concen: 25.575 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 75 Resp: 255899
Ion Ratio Lower Upper
75 100
77 31.4 22.5 41.7



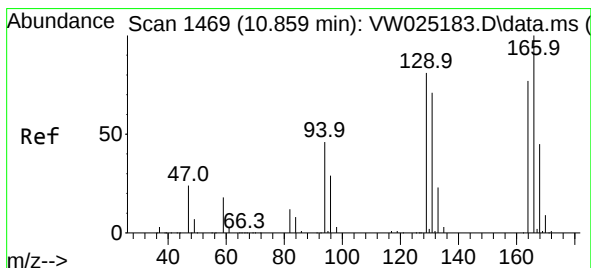
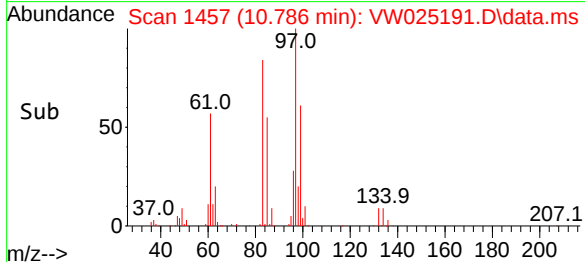
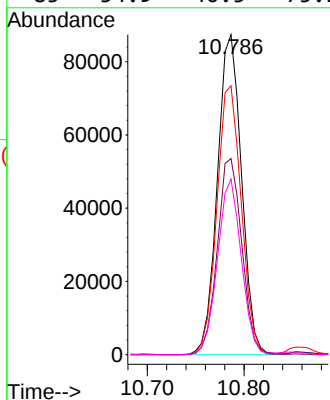
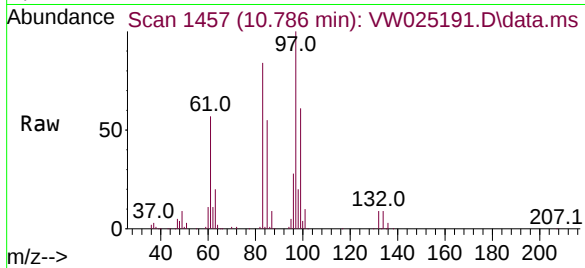


#45
1,1,2-Trichloroethane
Concen: 27.750 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

Tgt Ion: 97 Resp: 151424

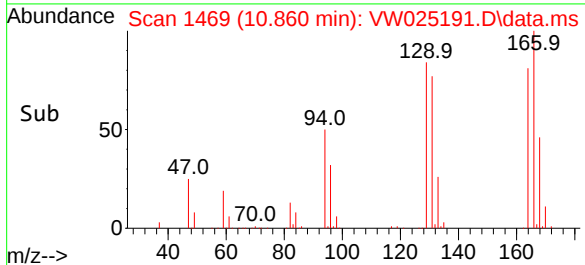
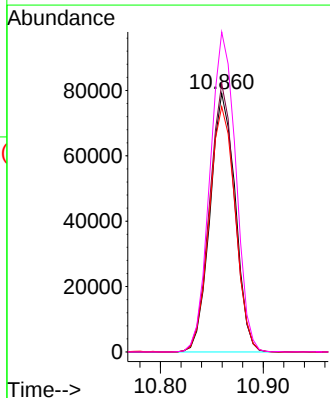
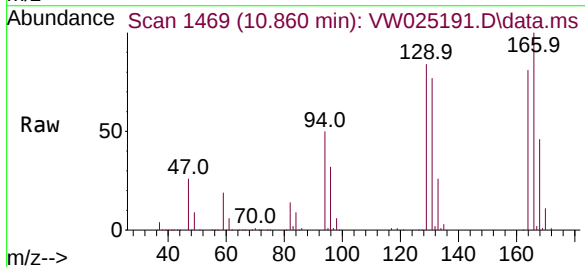
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.3	82.3
83	84.0	61.3	113.9
85	54.9	40.5	75.1

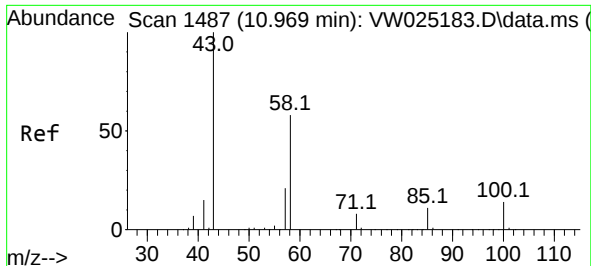


#46
Tetrachloroethene
Concen: 22.227 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 164 Resp: 134369

Ion	Ratio	Lower	Upper
164	100		
129	103.8	73.4	136.4
131	94.9	70.8	131.4
166	123.8	88.3	164.1

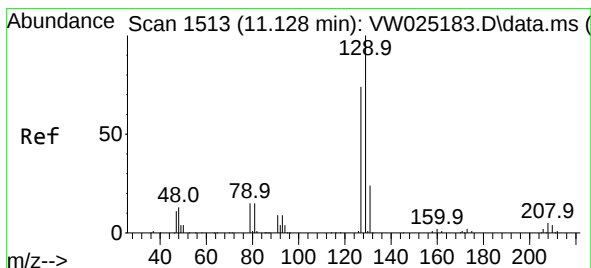
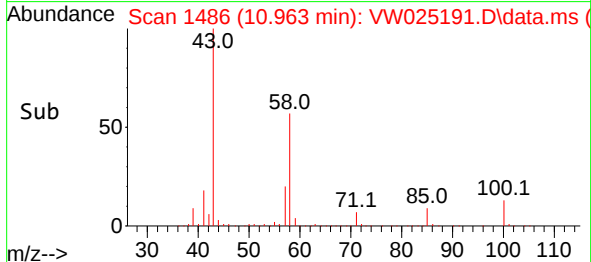
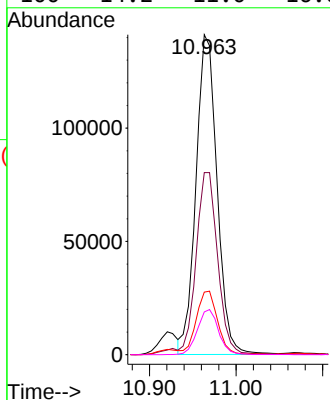
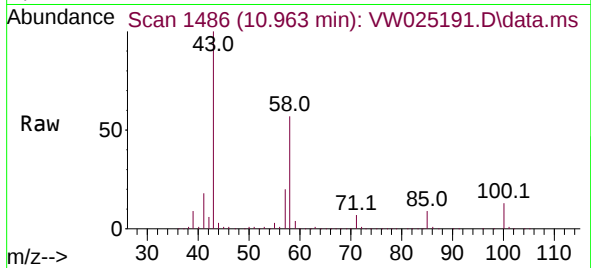




#48
2-Hexanone
Concen: 83.561 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

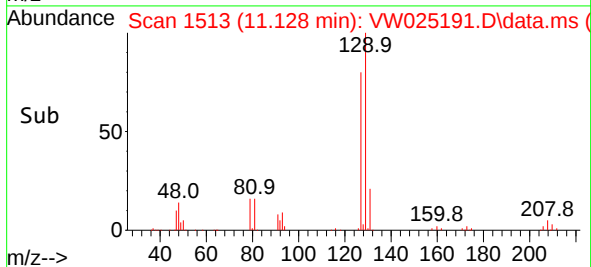
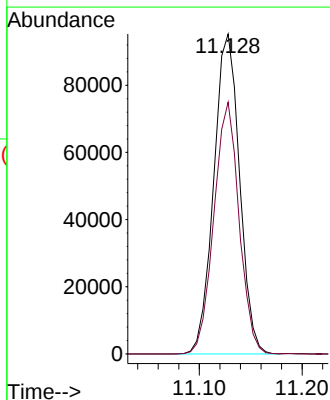
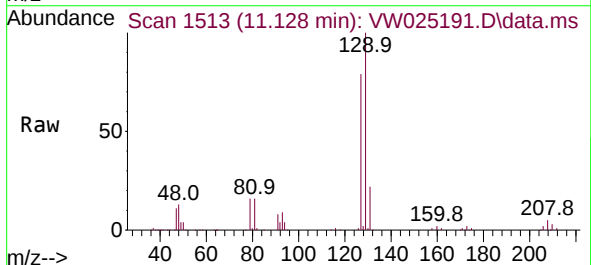
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

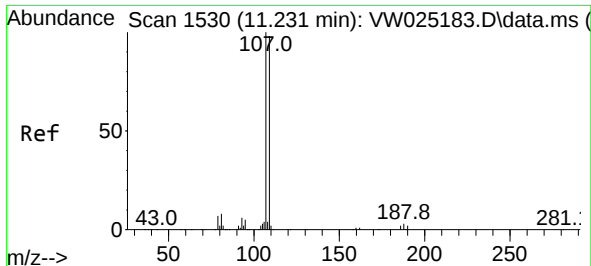
Tgt Ion: 43 Resp: 239244
Ion Ratio Lower Upper
43 100
58 58.1 46.6 69.8
57 20.1 16.7 25.1
100 14.2 11.0 16.6



#49
Dibromochloromethane
Concen: 25.310 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion:129 Resp: 165870
Ion Ratio Lower Upper
129 100
127 78.7 49.7 92.3





#50

1,2-Dibromoethane

Concen: 29.531 ug/L

RT: 11.232 min Scan# 1530

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

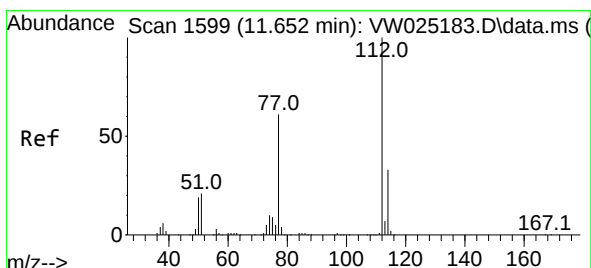
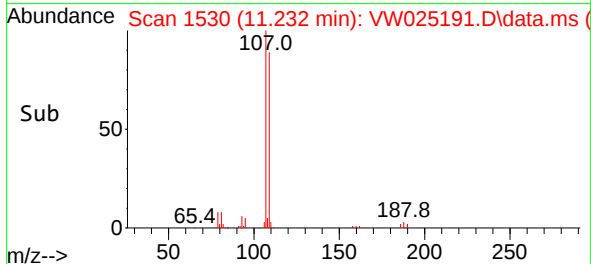
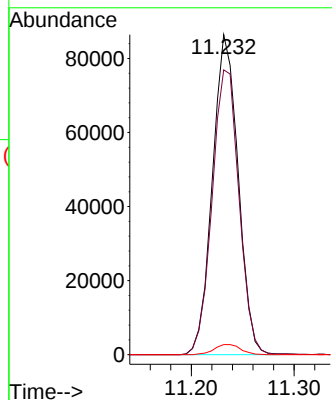
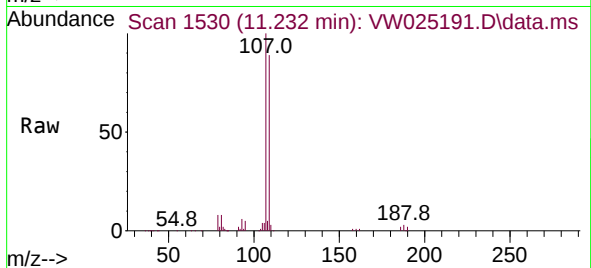
Tgt Ion:107 Resp: 150035

Ion Ratio Lower Upper

107 100

109 89.0 66.8 124.2

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 21.128 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

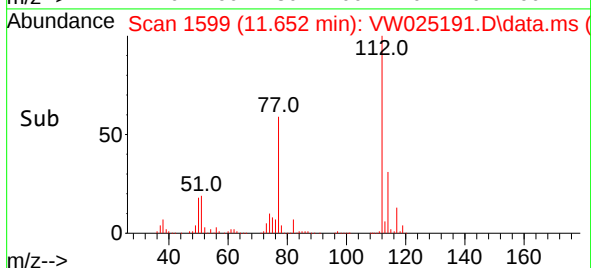
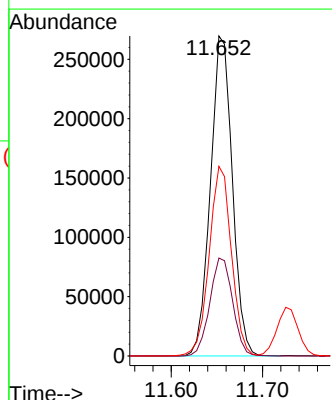
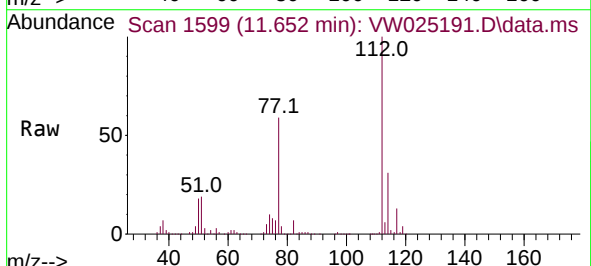
Tgt Ion:112 Resp: 449144

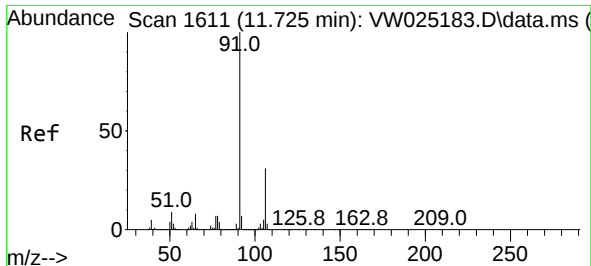
Ion Ratio Lower Upper

112 100

114 30.6 23.2 43.2

77 59.3 47.2 70.8

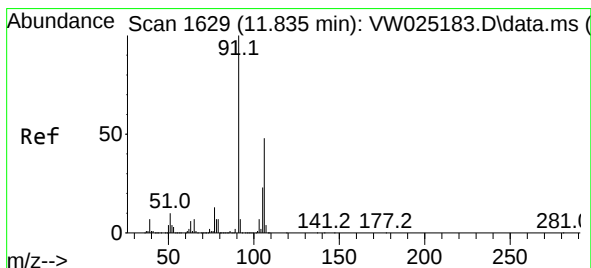
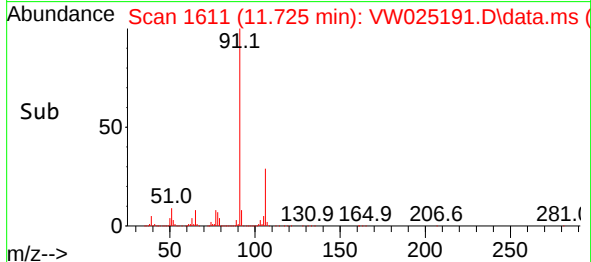
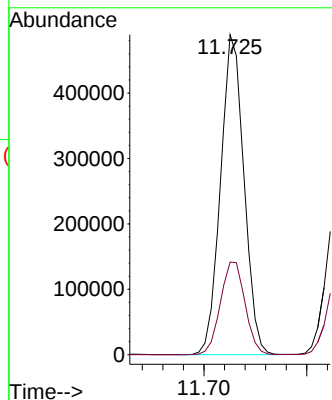
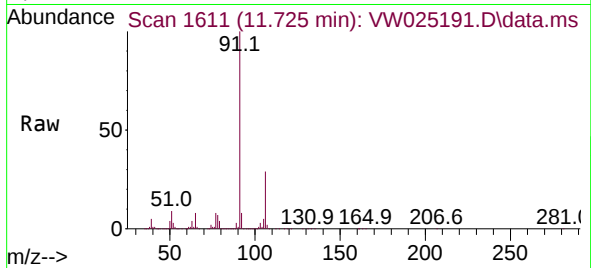




#52
Ethylbenzene
Concen: 20.554 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

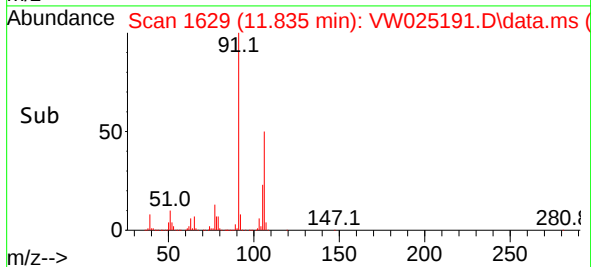
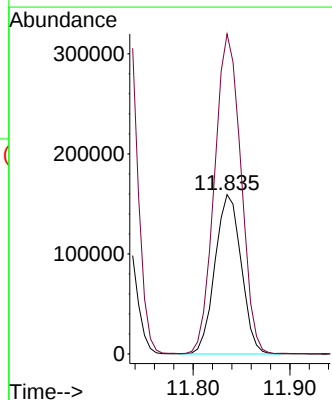
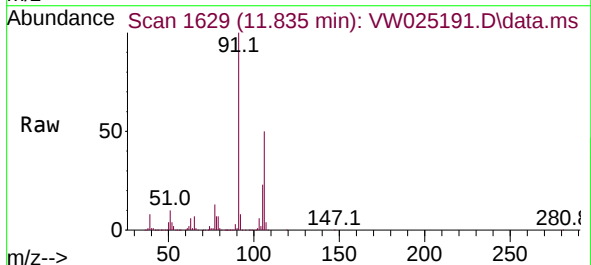
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

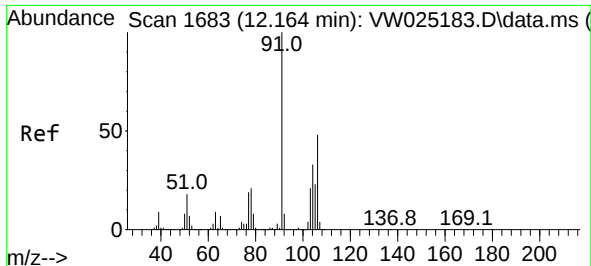
Tgt Ion: 91 Resp: 773711
Ion Ratio Lower Upper
91 100
106 28.9 21.9 40.7



#53
m,p-Xylene
Concen: 20.870 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 106 Resp: 300020
Ion Ratio Lower Upper
106 100
91 200.8 139.7 259.4

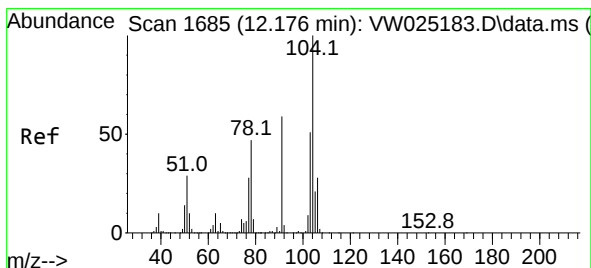
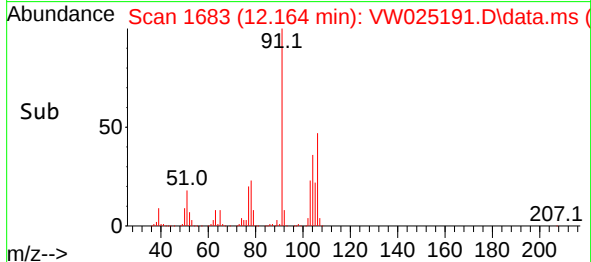
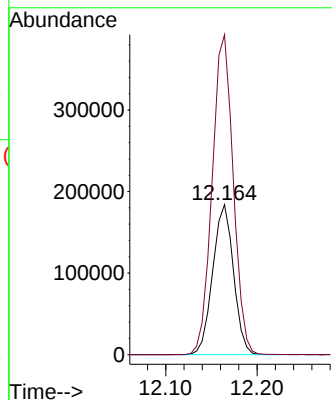
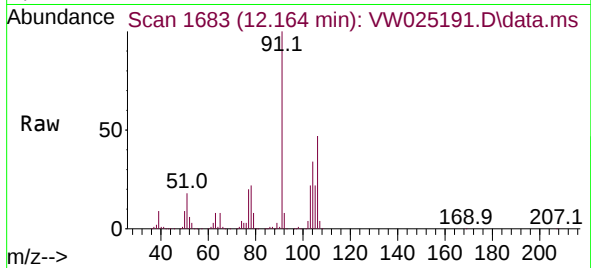




#54
o-Xylene
Concen: 21.217 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

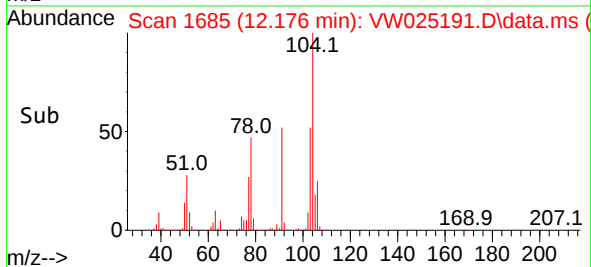
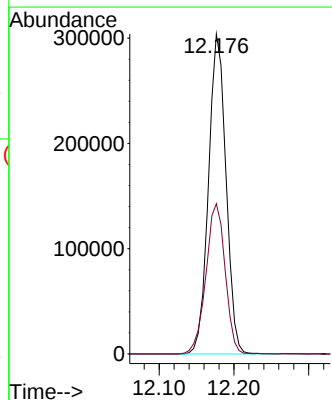
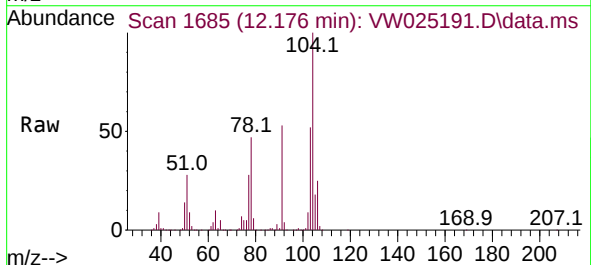
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

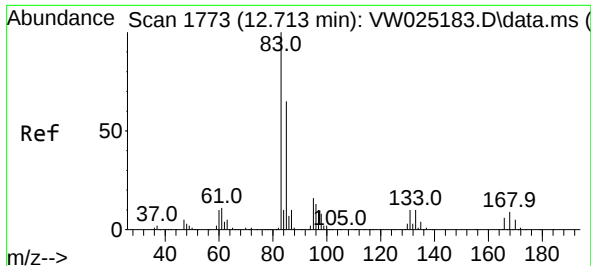
Tgt Ion:106 Resp: 290690
Ion Ratio Lower Upper
106 100
91 213.1 148.8 276.4



#55
Styrene
Concen: 21.289 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion:104 Resp: 493941
Ion Ratio Lower Upper
104 100
78 47.0 34.4 63.8





#57

1,1,2,2-Tetrachloroethane

Concen: 32.898 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

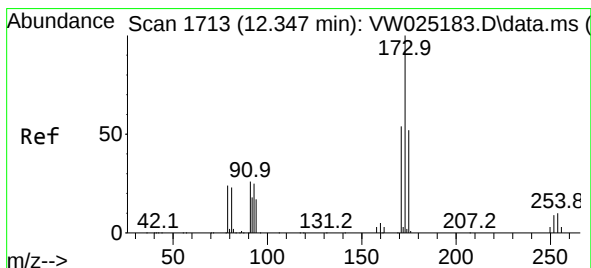
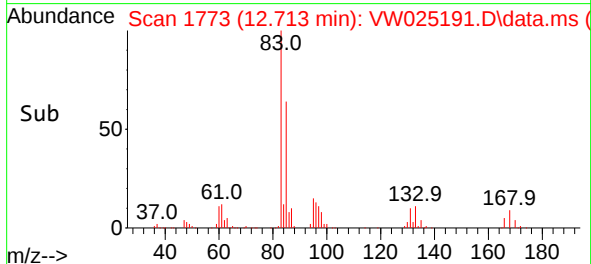
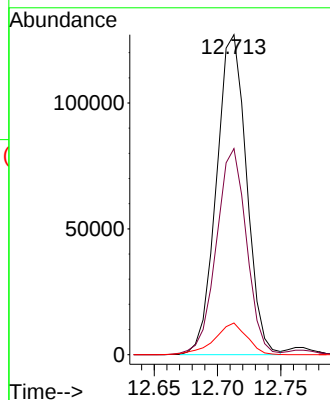
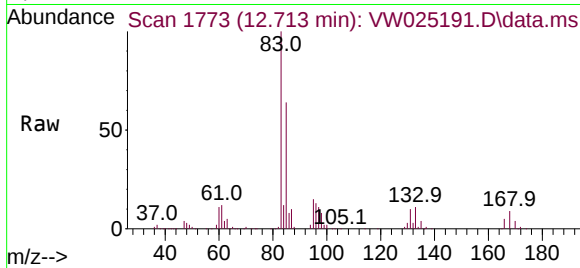
Tgt Ion: 83 Resp: 209941

Ion Ratio Lower Upper

83 100

85 64.4 46.8 87.0

131 9.9 8.2 12.2



#59

Bromoform

Concen: 29.589 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

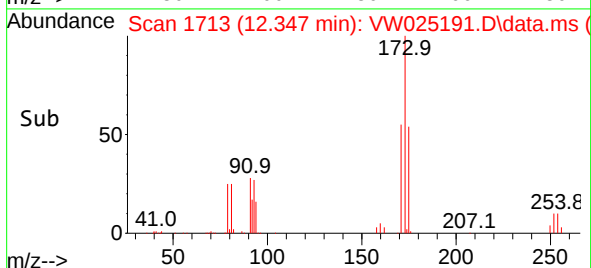
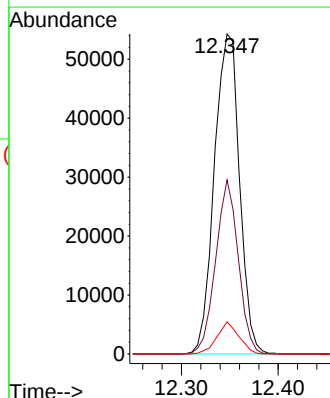
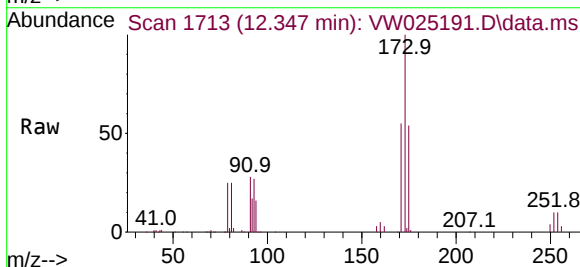
Tgt Ion:173 Resp: 98125

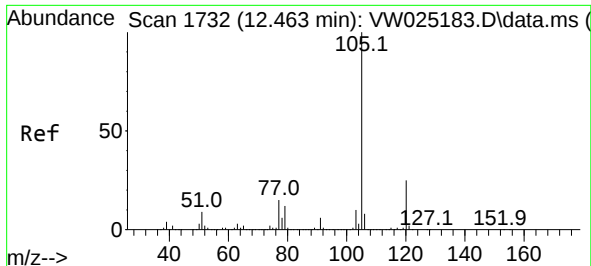
Ion Ratio Lower Upper

173 100

175 48.8 37.4 56.0

254 8.7 6.8 10.2

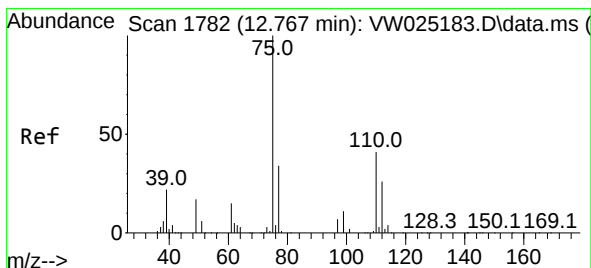
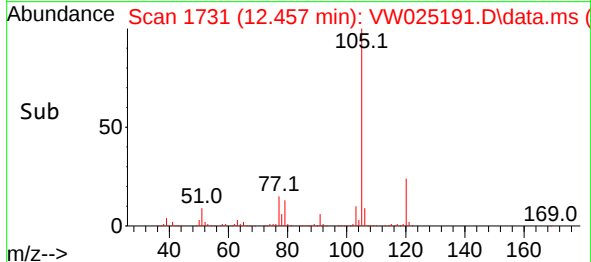
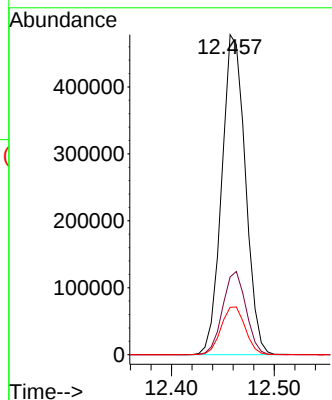
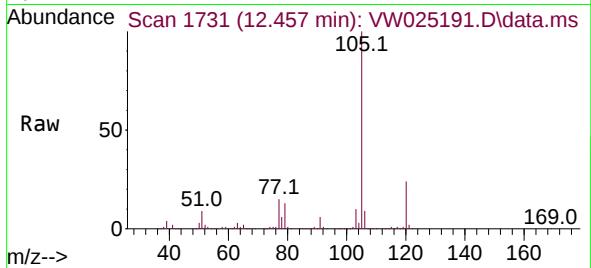




#60
Isopropylbenzene
Concen: 20.581 ug/L
RT: 12.457 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

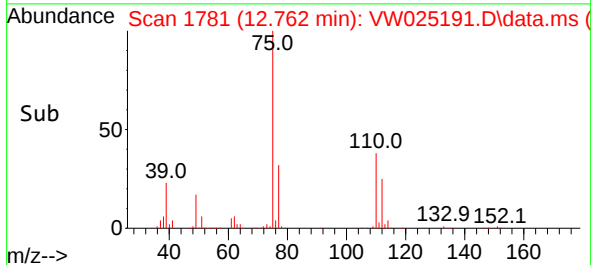
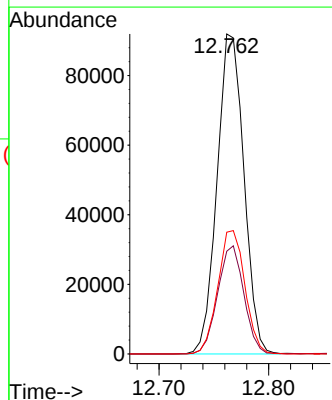
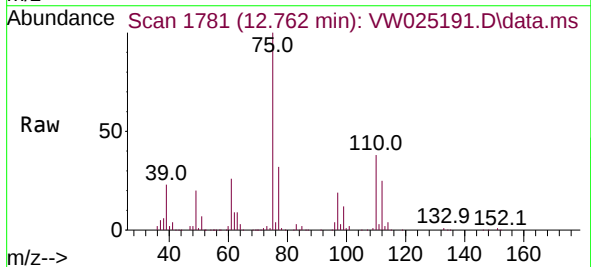
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

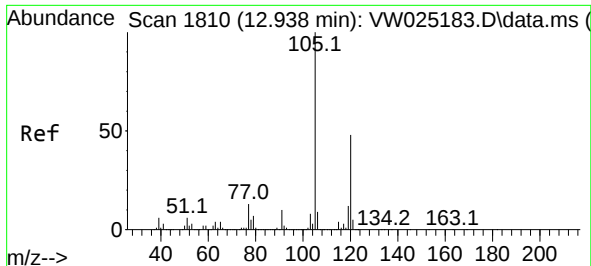
Tgt Ion:105 Resp: 761817
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 33.749 ug/L
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion: 75 Resp: 156654
Ion Ratio Lower Upper
75 100
77 33.1 26.6 40.0
110 38.8 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 20.460 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

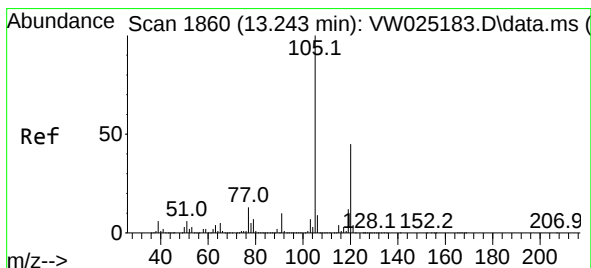
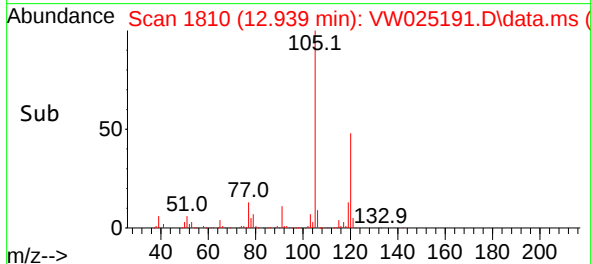
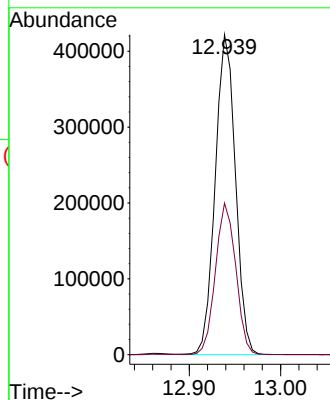
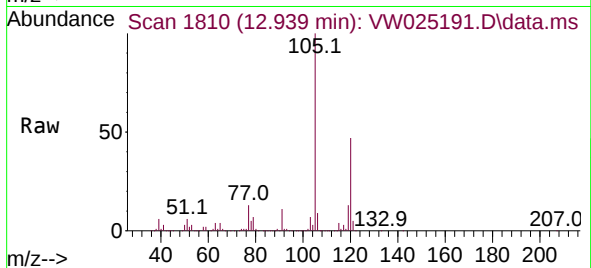
GBQ97MSD

Tgt Ion:105 Resp: 648721

Ion Ratio Lower Upper

105 100

120 47.7 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 20.800 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.006 min

Lab File: VW025191.D

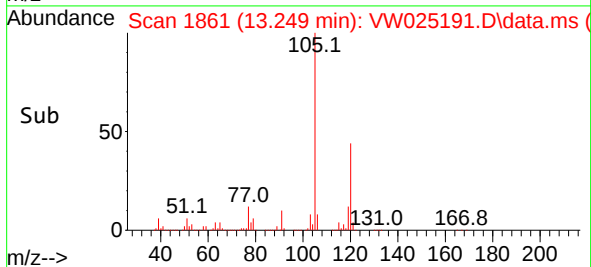
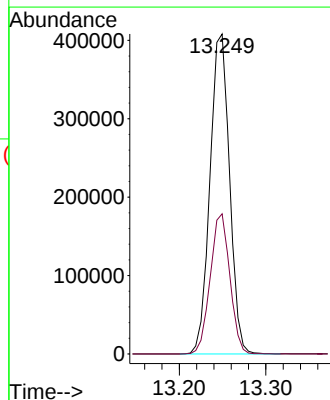
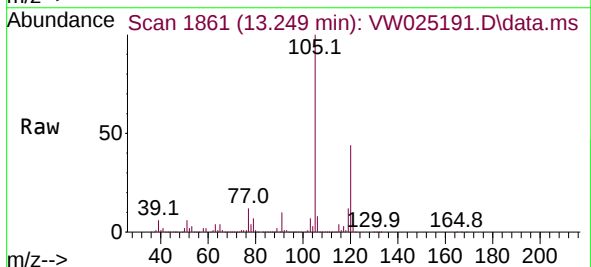
Acq: 23 Dec 2022 12:53

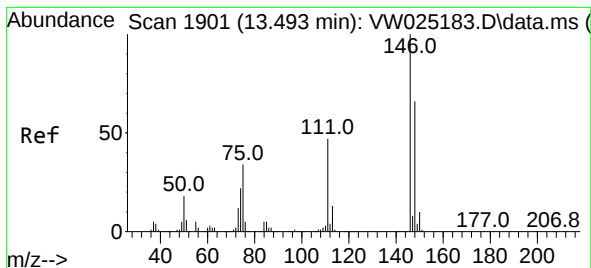
Tgt Ion:105 Resp: 640721

Ion Ratio Lower Upper

105 100

120 43.9 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 20.794 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

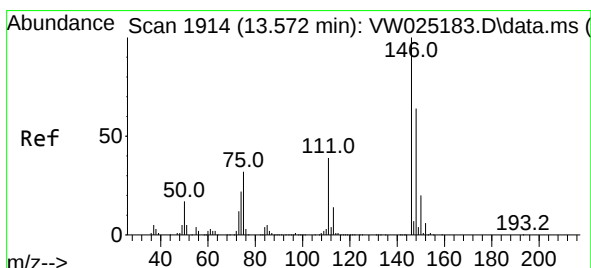
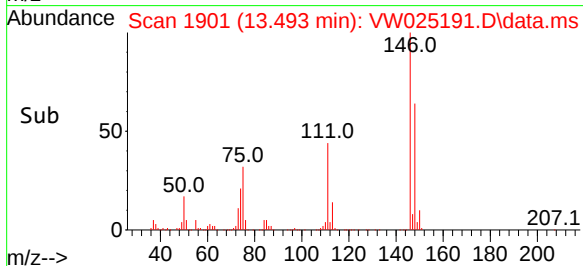
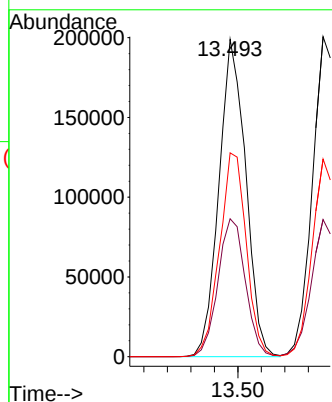
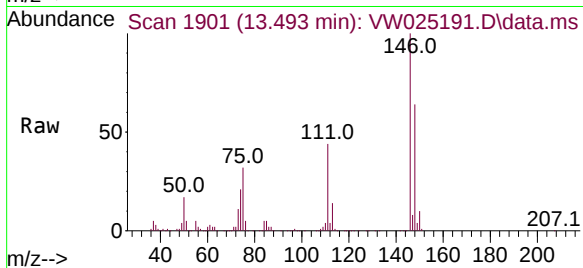
Tgt Ion:146 Resp: 315113

Ion Ratio Lower Upper

146 100

111 43.5 30.2 56.0

148 64.3 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 20.370 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

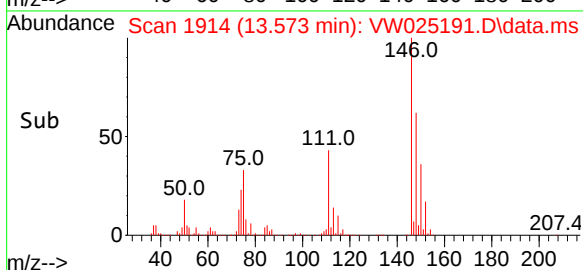
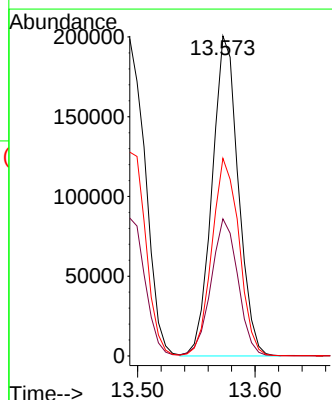
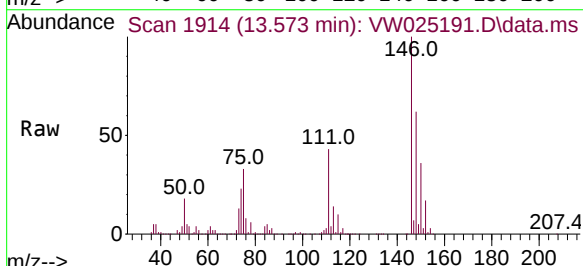
Tgt Ion:146 Resp: 310861

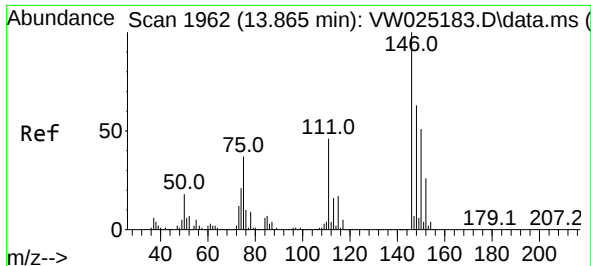
Ion Ratio Lower Upper

146 100

111 42.9 27.4 51.0

148 61.7 41.6 77.3





#67

1,2-Dichlorobenzene

Concen: 22.620 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

Instrument :

MSVOA_W

ClientSampleId :

GBQ97MSD

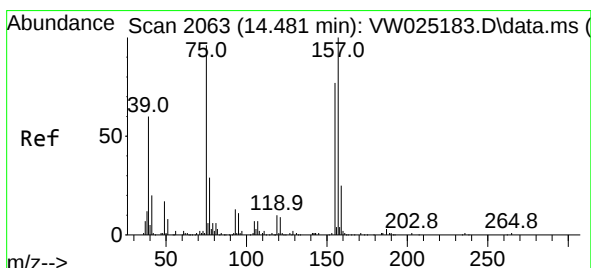
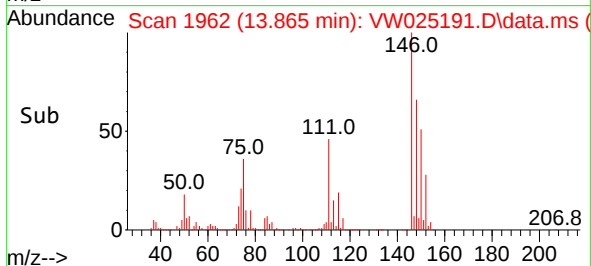
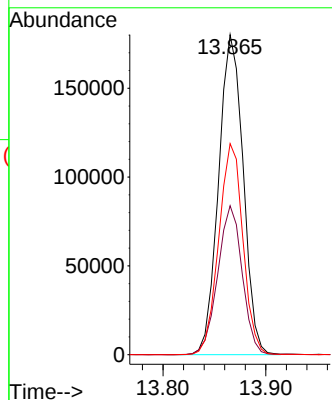
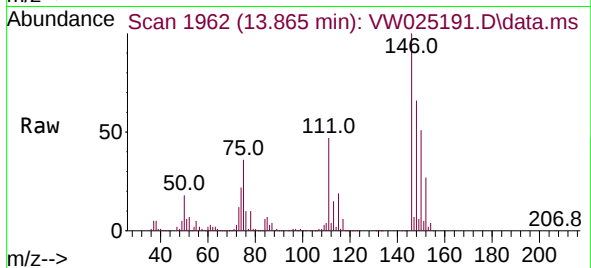
Tgt Ion:146 Resp: 298943

Ion Ratio Lower Upper

146 100

111 46.5 34.3 51.5

148 65.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 38.262 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW025191.D

Acq: 23 Dec 2022 12:53

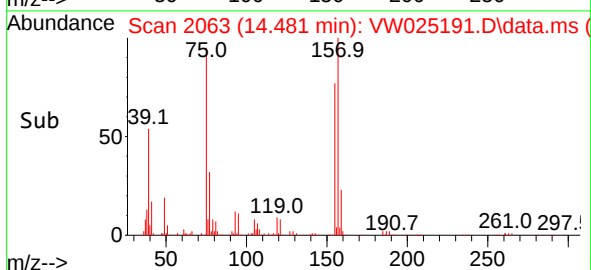
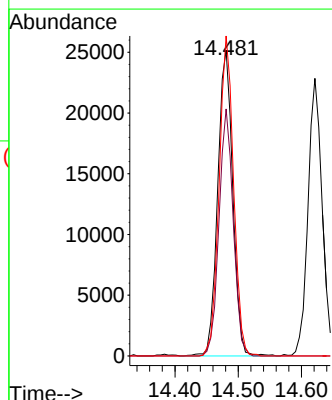
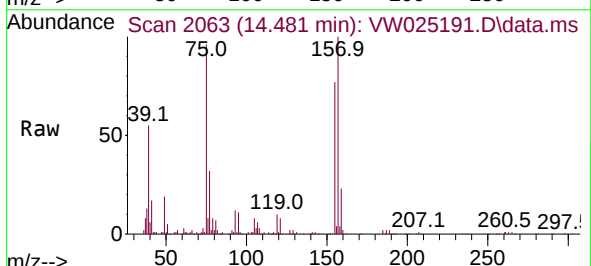
Tgt Ion: 75 Resp: 41409

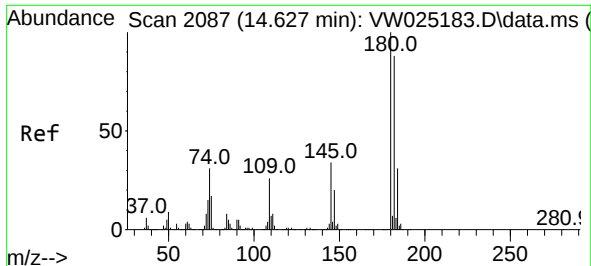
Ion Ratio Lower Upper

75 100

155 80.8 60.3 90.5

157 104.7 84.9 127.3

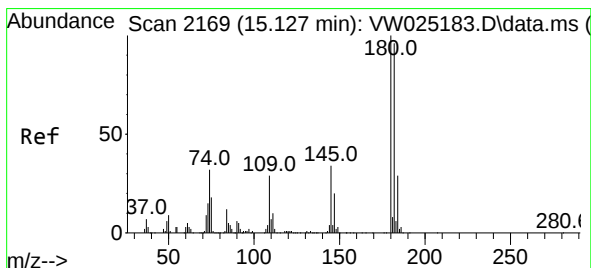
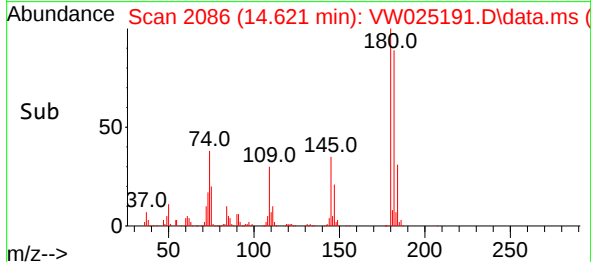
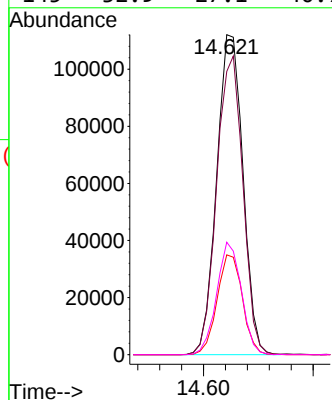
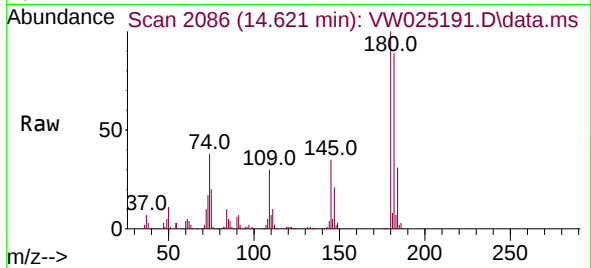




#69
1,3,5-Trichlorobenzene
Concen: 17.378 ug/L
RT: 14.621 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

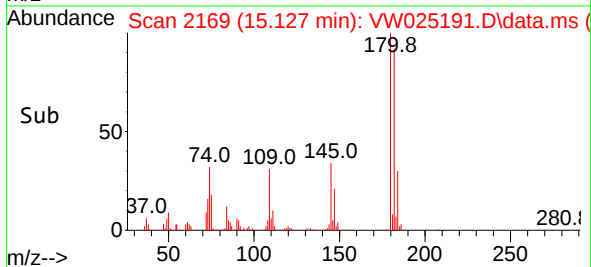
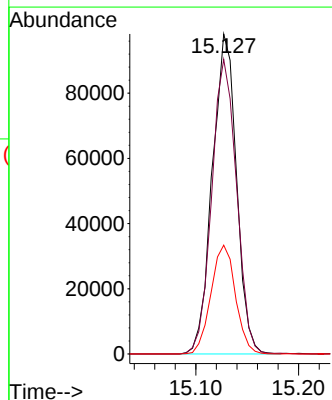
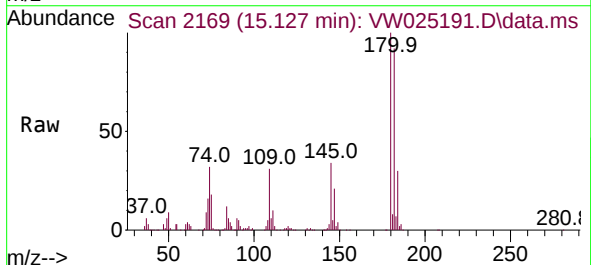
Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

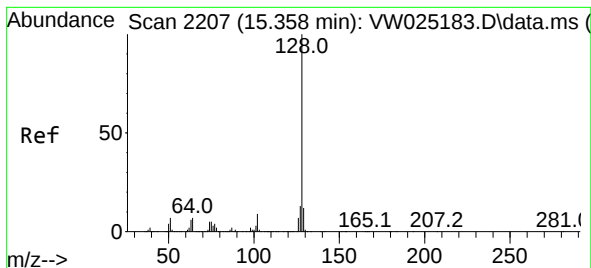
Tgt Ion:	180	Resp:	186995
Ion Ratio	Lower	Upper	
180	100		
182	92.9	77.8	116.6
184	30.1	24.3	36.5
145	32.9	27.1	40.7



#70
1,2,4-trichlorobenzene
Concen: 18.542 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion:	180	Resp:	160085
Ion Ratio	Lower	Upper	
180	100		
182	94.4	77.2	115.8
145	34.5	26.9	40.3

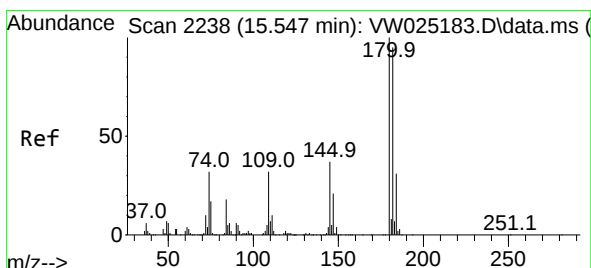
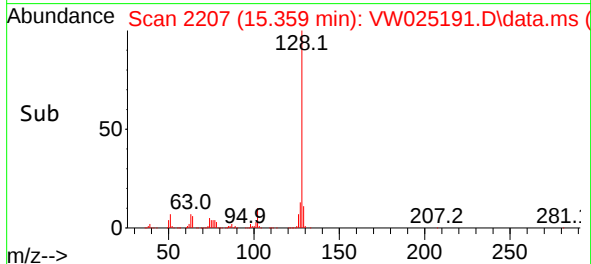
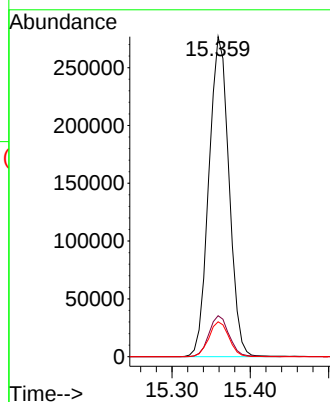
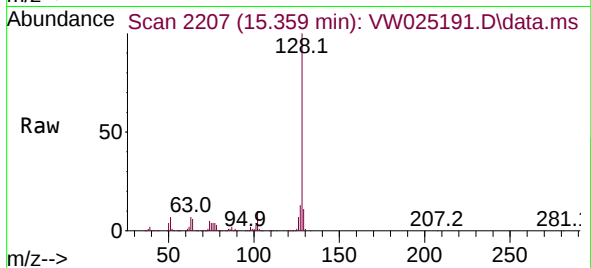




#71
Naphthalene
Concen: 29.173 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Instrument :
MSVOA_W
ClientSampleId :
GBQ97MSD

Tgt Ion:128 Resp: 493752
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 20.117 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VW025191.D
Acq: 23 Dec 2022 12:53

Tgt Ion:180 Resp: 152210
Ion Ratio Lower Upper
180 100
182 94.3 76.4 114.6
145 34.5 29.6 44.4

