

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102121\
 Data File : VW020666.D
 Acq On : 21 Oct 2021 14:31
 Operator : SY/VA
 Sample : M4264-11
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7H4

Quant Time: Oct 22 02:00:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 22 01:58:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	202084	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	189804	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	95097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	58116	20.556	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.240%
7) Chloroethane-d5	2.879	69	33267	30.754	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.000%
11) 1,1-Dichloroethene-d2	4.019	63	126511	24.208	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.840%
21) 2-Butanone-d5	7.086	46	37637	40.965	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.920%
24) Chloroform-d	7.647	84	134488	22.907	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	8.305	65	81948	23.537	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.160%
32) Benzene-d6	8.275	84	274668	24.969	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.880%
36) 1,2-Dichloropropane-d6	9.275	67	88842	24.859	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.440%
41) Toluene-d8	10.323	98	243349	24.639	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.560%
43) trans-1,3-Dichloroprop...	10.579	79	36374	24.126	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.520%
47) 2-Hexanone-d5	10.927	63	27571	43.055	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.120%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	62764	21.146	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	13.853	152	78860	24.297	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	55400	20.131	ug/L	97
6) Bromomethane	2.770	94	10764	8.009	ug/L	98
9) Trichlorofluoromethane	3.251	101	27131	19.258	ug/L	100
12) 1,1-Dichloroethene	4.032	96	54910	21.243	ug/L #	83
13) Acetone	4.135	43	28096	33.566	ug/L	97
15) Methyl Acetate	4.678	43	57518	34.509	ug/L	98
16) Methylene chloride	4.916	84	46812	12.845	ug/L	96
17) trans-1,2-Dichloroethene	5.422	96	30574	10.792	ug/L	94
18) Methyl tert-butyl Ether	5.428	73	141872	33.905	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	81168	27.904	ug/L	100
23) Bromochloromethane	7.513	128	20138	15.104	ug/L	92
27) 1,2-Dichloroethane	8.403	62	42515	10.363	ug/L	98
29) Cyclohexane	7.958	56	52828	10.091	ug/L	98
30) 1,1,1-Trichloroethane	7.878	97	46530	10.451	ug/L	99
31) Carbon tetrachloride	8.067	117	51764	13.113	ug/L	100
34) Trichloroethene	9.092	95	131850	42.375	ug/L	95
35) Methylcyclohexane	9.335	83	144108	27.080	ug/L	100
37) 1,2-Dichloropropane	9.366	63	44349	13.438	ug/L	100
38) Bromodichloromethane	9.646	83	82993	20.612	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102121\
 Data File : VW020666.D
 Acq On : 21 Oct 2021 14:31
 Operator : SY/VA
 Sample : M4264-11
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7H4

Quant Time: Oct 22 02:00:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 22 01:58:04 2021
 Response via : Initial Calibration

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

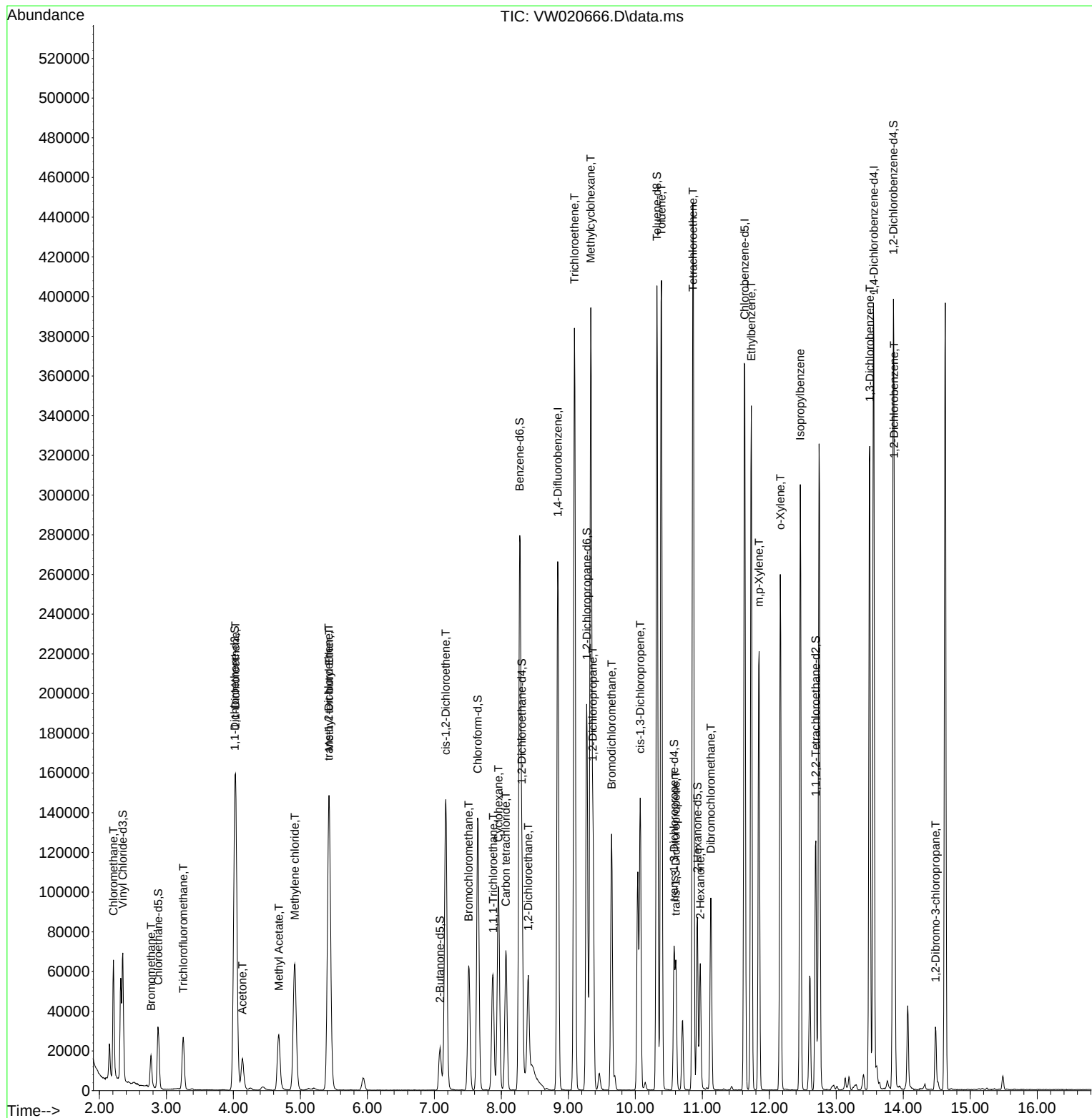
39) cis-1,3-Dichloropropene	10.073	75	81191	17.748	ug/L	99
42) Toluene	10.390	91	281829	22.119	ug/L	98
44) trans-1,3-Dichloropropene	10.604	75	33183	8.011	ug/L	100
46) Tetrachloroethene	10.860	164	96250	41.179	ug/L	96
48) 2-Hexanone	10.969	43	42049	25.286	ug/L	100
49) Dibromochloromethane	11.128	129	48251	19.712	ug/L	97
52) Ethylbenzene	11.731	91	227382	16.383	ug/L	99
53) m,p-Xylene	11.847	106	54935	10.725	ug/L	94
54) o-Xylene	12.164	106	62257	13.044	ug/L	92
60) Isopropylbenzene	12.463	105	175549	13.690	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	118319	20.888	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	55767	10.844	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.481	75	8094	16.565	ug/L	98

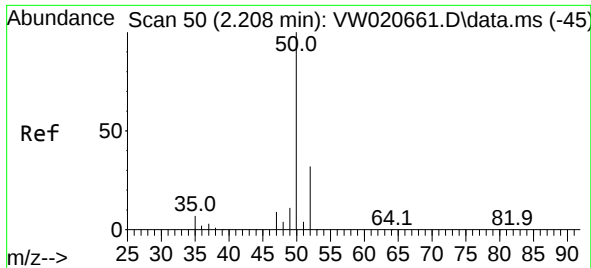
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102121\
 Data File : VW020666.D
 Acq On : 21 Oct 2021 14:31
 Operator : SY/VA
 Sample : M4264-11
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7H4

Quant Time: Oct 22 02:00:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 22 01:58:04 2021
 Response via : Initial Calibration

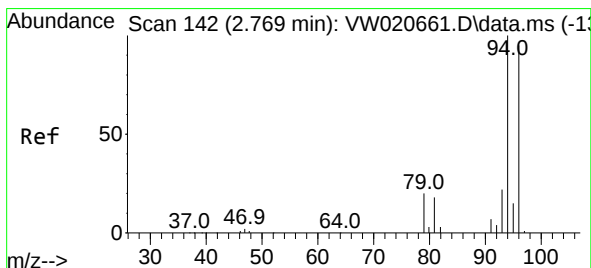
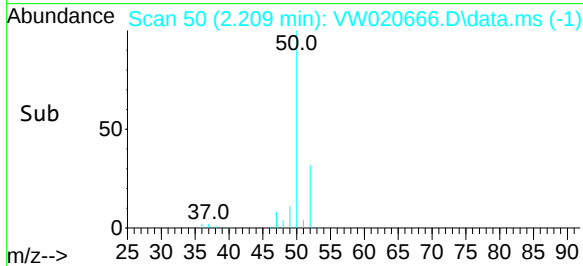
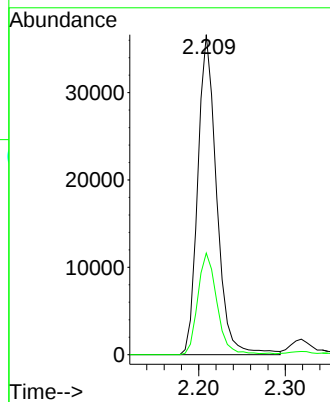
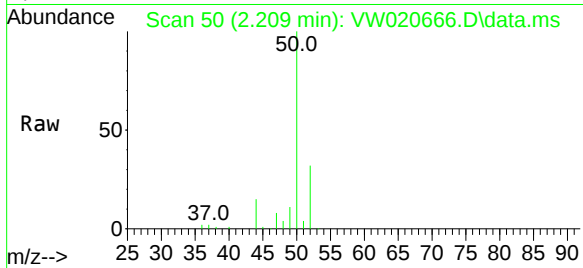




#3
Chloromethane
Concen: 20.131 ug/L
RT: 2.209 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

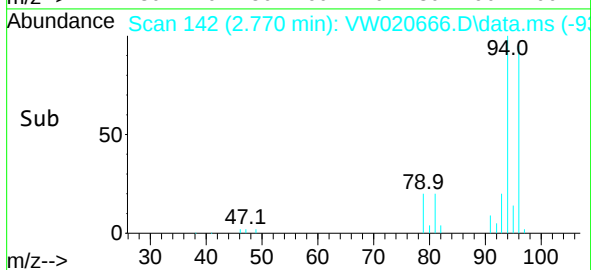
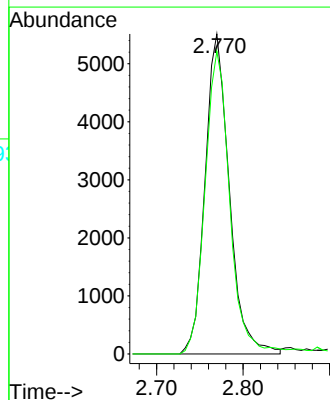
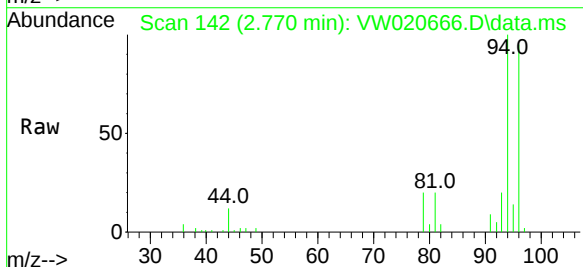
Instrument :
MSVOA_W
ClientSampled :
GB7H4

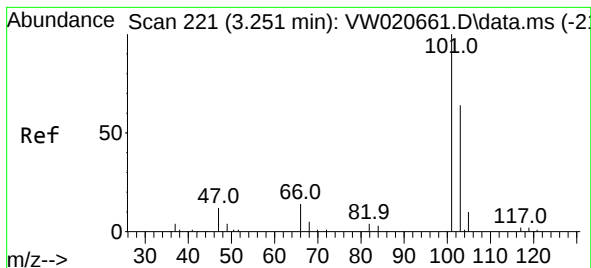
Tgt Ion: 50 Resp: 55400
Ion Ratio Lower Upper
50 100
52 31.8 23.4 43.6



#6
Bromomethane
Concen: 8.009 ug/L
RT: 2.770 min Scan# 142
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 94 Resp: 10764
Ion Ratio Lower Upper
94 100
96 94.6 64.8 120.4

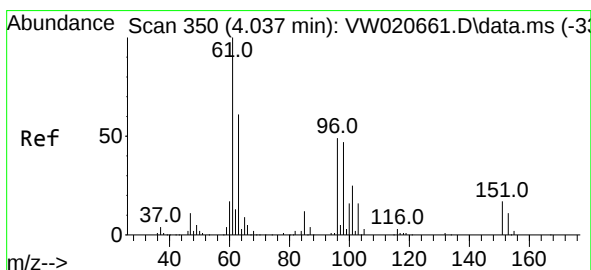
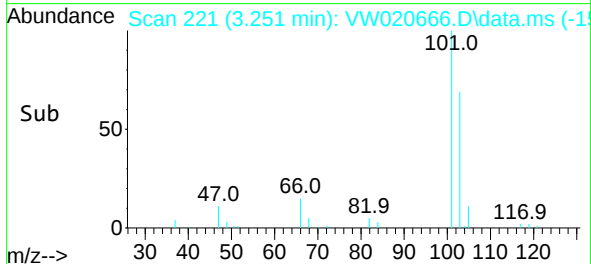
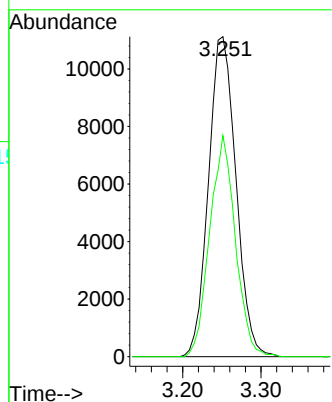
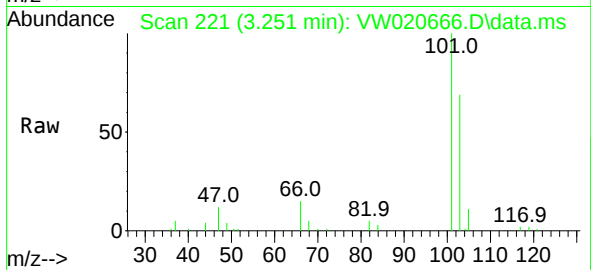




#9
 Trichlorofluoromethane
 Concen: 19.258 ug/L
 RT: 3.251 min Scan# 221
 Delta R.T. 0.000 min
 Lab File: VW020666.D
 Acq: 21 Oct 2021 14:31

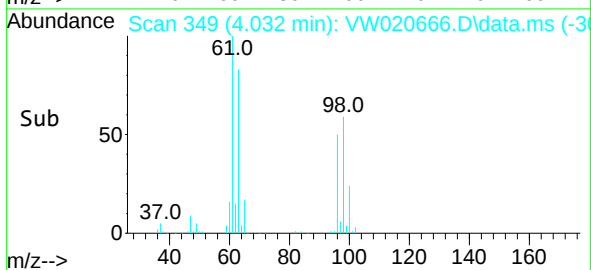
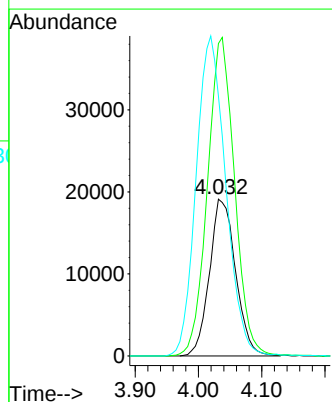
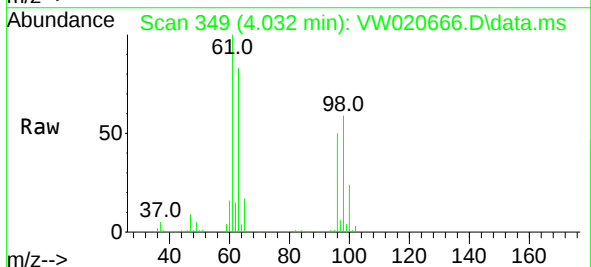
Instrument :
 MSVOA_W
 ClientSampled :
 GB7H4

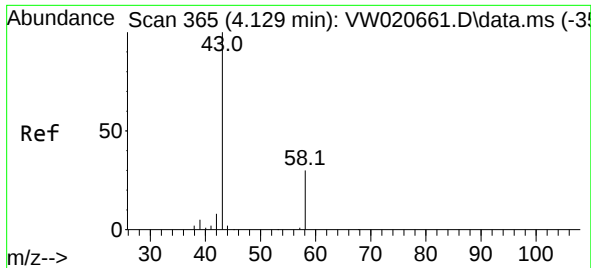
Tgt Ion:101 Resp: 27131
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2



#12
 1,1-Dichloroethene
 Concen: 21.243 ug/L
 RT: 4.032 min Scan# 349
 Delta R.T. -0.006 min
 Lab File: VW020666.D
 Acq: 21 Oct 2021 14:31

Tgt Ion: 96 Resp: 54910
 Ion Ratio Lower Upper
 96 100
 61 199.3 138.3 256.9
 63 165.7 82.6 153.4#

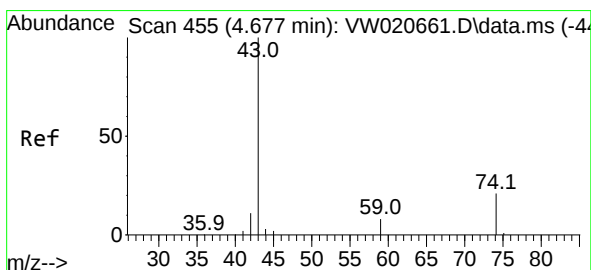
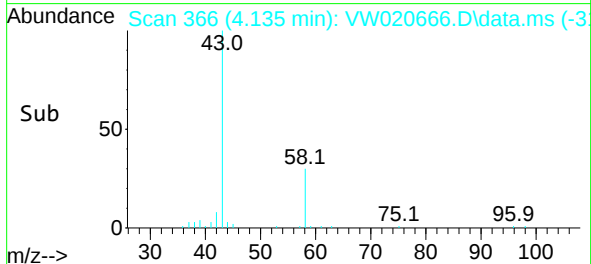
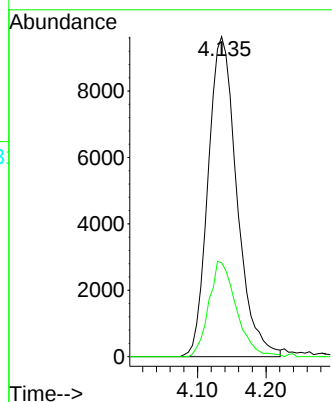
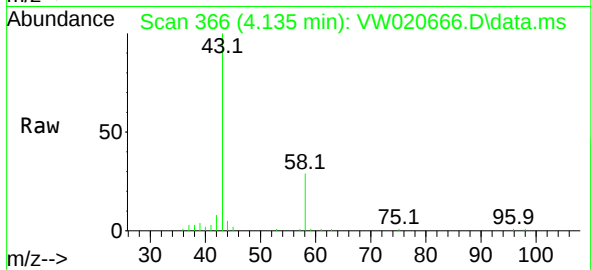




#13
Acetone
Concen: 33.566 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

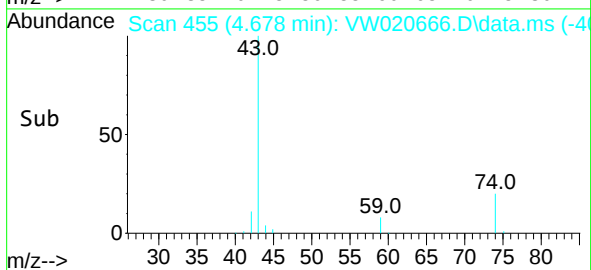
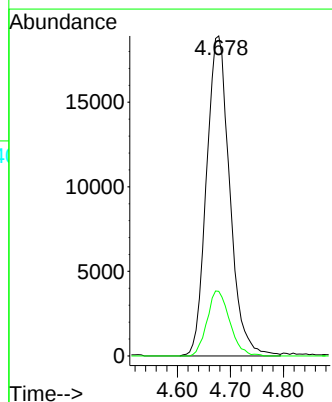
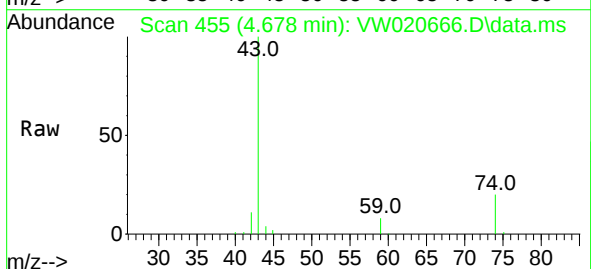
Instrument :
MSVOA_W
ClientSampled :
GB7H4

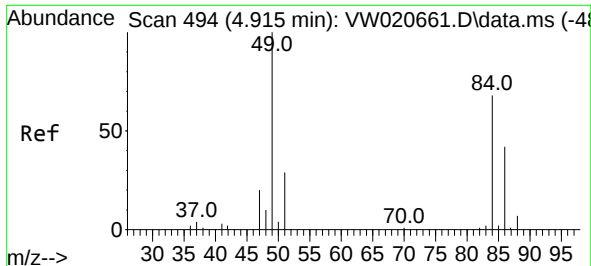
Tgt Ion: 43 Resp: 28096
Ion Ratio Lower Upper
43 100
58 28.0 0.0 52.8



#15
Methyl Acetate
Concen: 34.509 ug/L
RT: 4.678 min Scan# 455
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

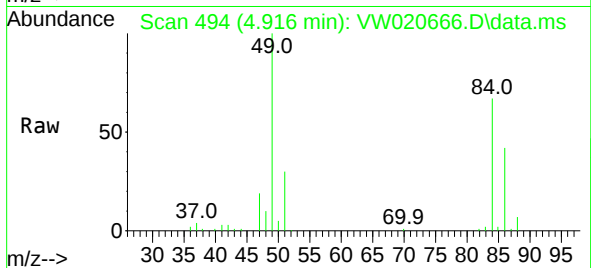
Tgt Ion: 43 Resp: 57518
Ion Ratio Lower Upper
43 100
74 19.6 16.4 24.6





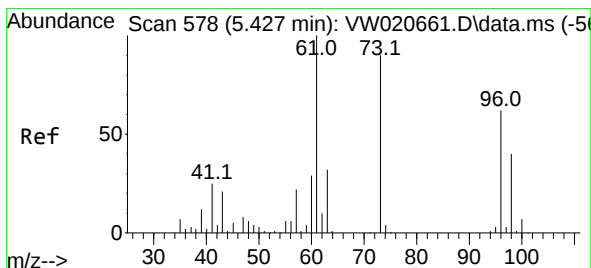
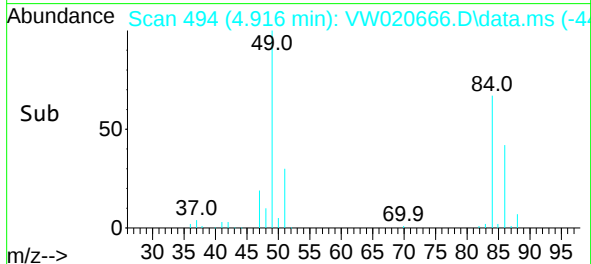
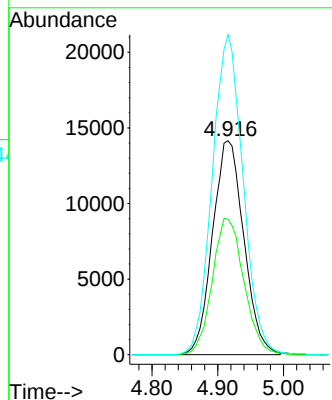
#16
Methylene chloride
Concen: 12.845 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Instrument :
MSVOA_W
ClientSampled :
GB7H4



Tgt Ion: 84 Resp: 46812

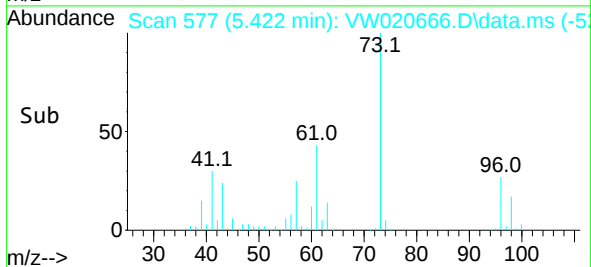
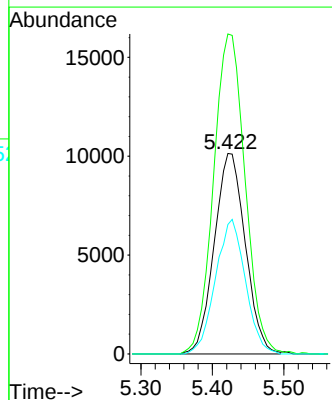
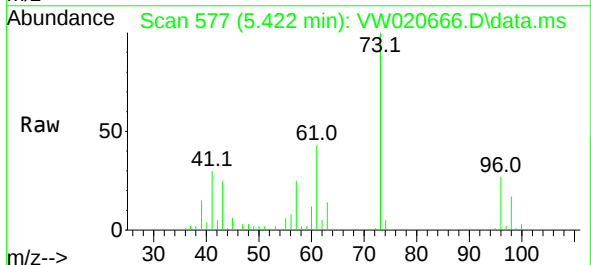
Ion	Ratio	Lower	Upper
84	100		
86	63.4	45.5	84.5
49	149.6	100.5	186.7

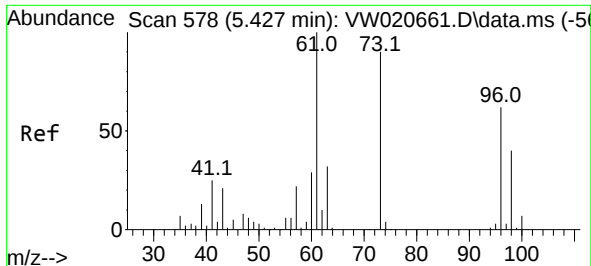


#17
trans-1,2-Dichloroethene
Concen: 10.792 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 96 Resp: 30574

Ion	Ratio	Lower	Upper
96	100		
61	159.6	107.4	199.4
98	64.6	41.2	76.6

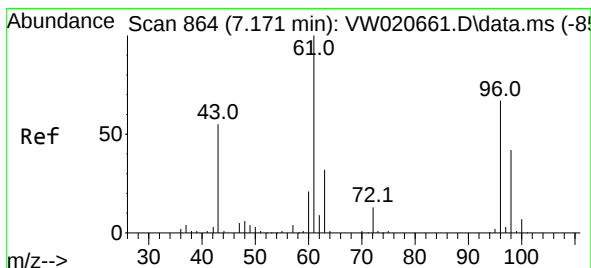
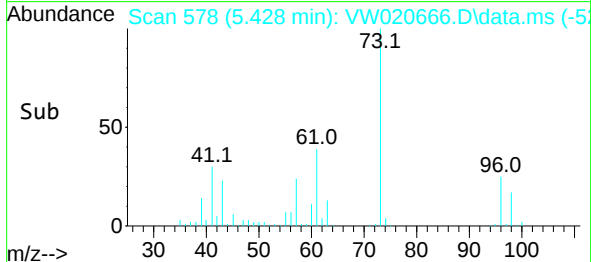
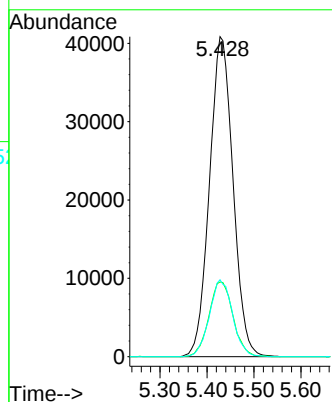
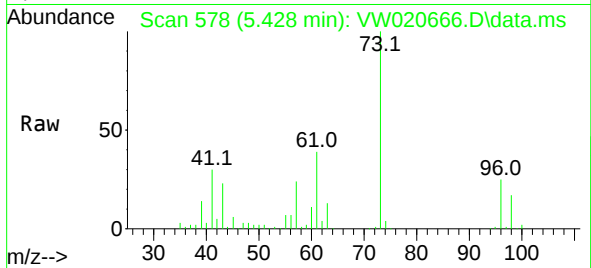




#18
Methyl tert-butyl Ether
Concen: 33.905 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

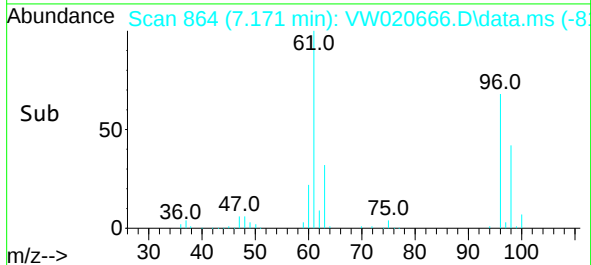
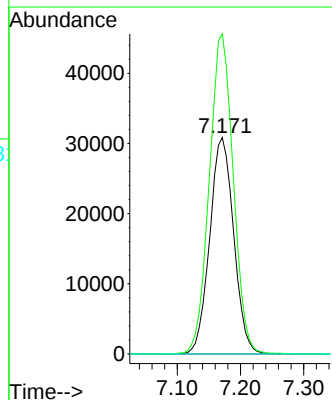
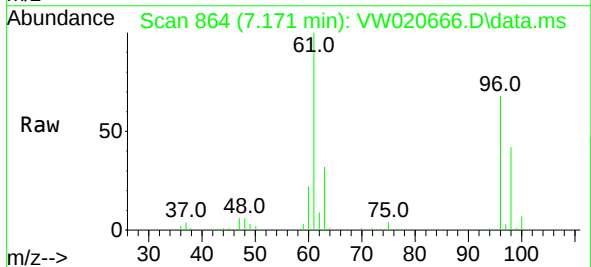
Instrument :
MSVOA_W
ClientSampled :
GB7H4

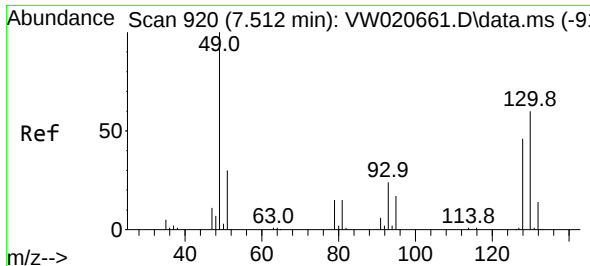
Tgt Ion: 73 Resp: 141872
Ion Ratio Lower Upper
73 100
43 24.0 19.5 29.3
57 23.7 19.3 28.9



#20
cis-1,2-Dichloroethene
Concen: 27.904 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 96 Resp: 81168
Ion Ratio Lower Upper
96 100
61 147.9 103.7 192.7
68 0.0 0.0 0.0

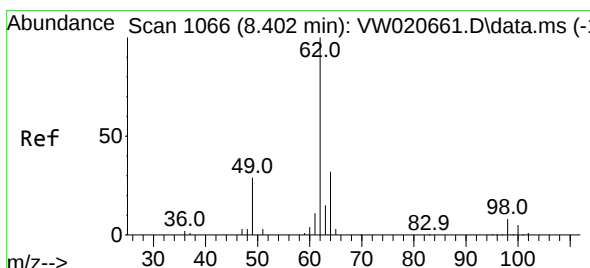
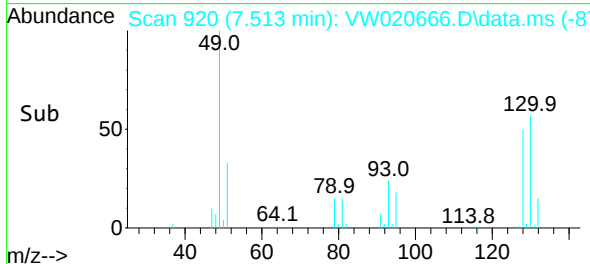
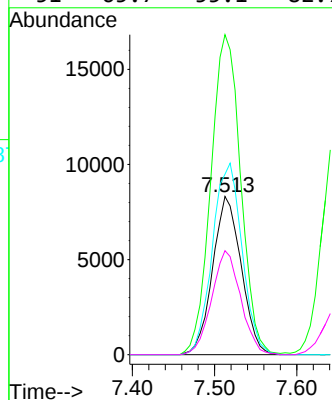
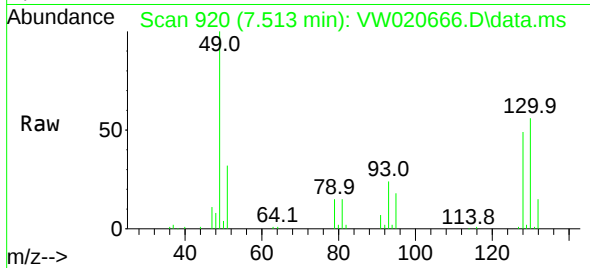




#23
Bromochloromethane
Concen: 15.104 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

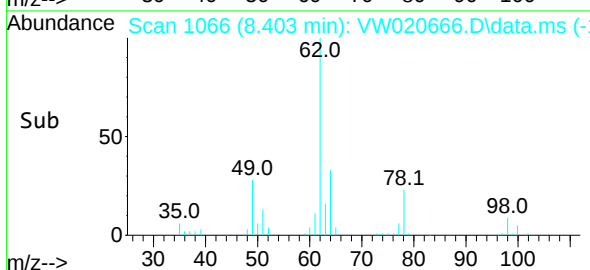
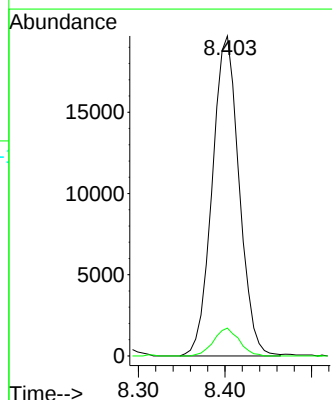
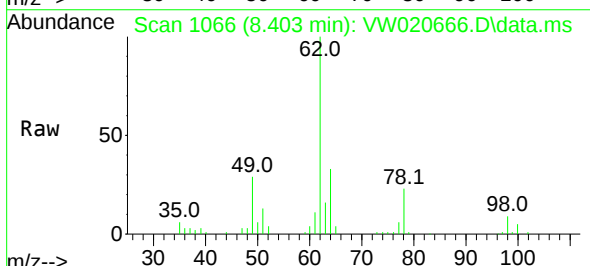
Instrument :
MSVOA_W
ClientSampled :
GB7H4

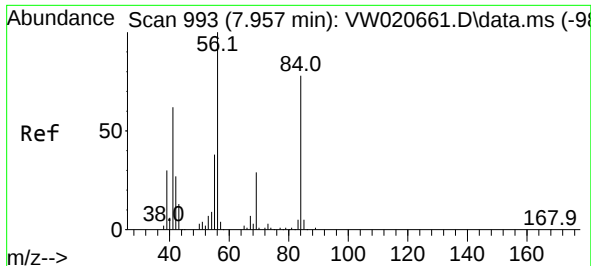
Tgt Ion:	128	Resp:	20138
Ion Ratio	Lower	Upper	
128	100		
49	202.3	150.3	279.1
130	114.1	88.3	163.9
51	65.7	55.1	82.7



#27
1,2-Dichloroethane
Concen: 10.363 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion:	62	Resp:	42515
Ion Ratio	Lower	Upper	
62	100		
98	8.7	6.5	9.7





#29

Cyclohexane

Concen: 10.091 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW020666.D

Acq: 21 Oct 2021 14:31

Instrument :

MSVOA_W

ClientSampled :

GB7H4

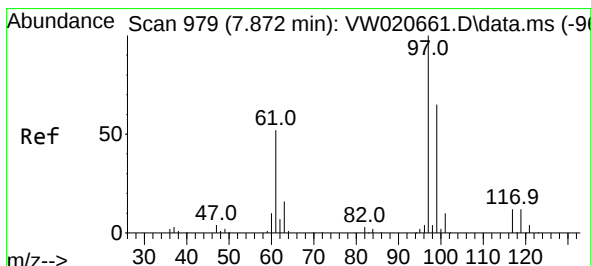
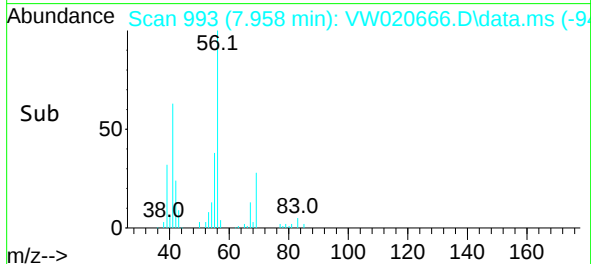
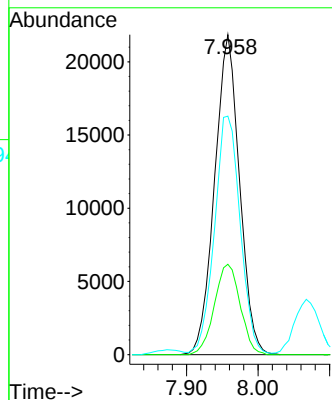
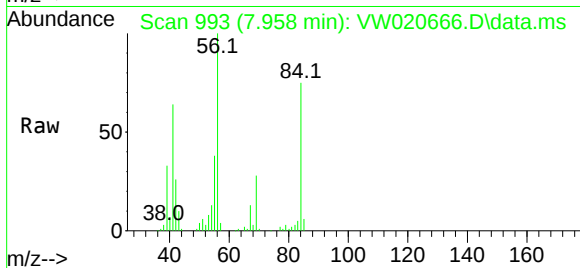
Tgt Ion: 56 Resp: 52828

Ion Ratio Lower Upper

56 100

69 29.2 23.5 35.3

84 77.2 63.4 95.2



#30

1,1,1-Trichloroethane

Concen: 10.451 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.006 min

Lab File: VW020666.D

Acq: 21 Oct 2021 14:31

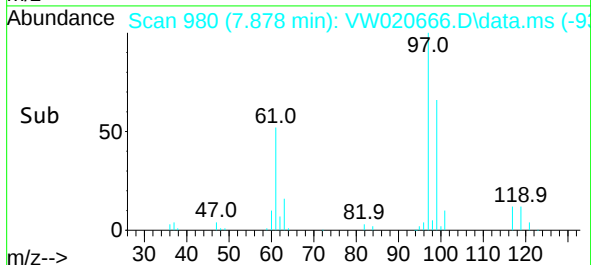
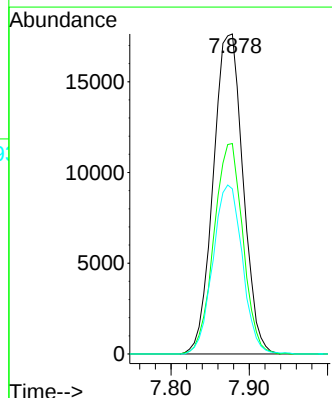
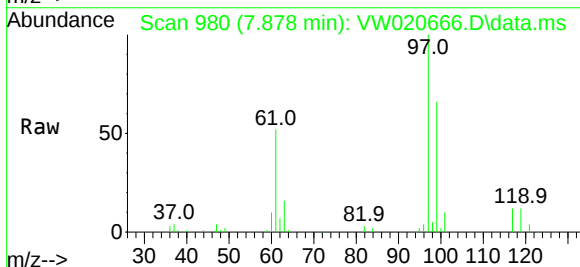
Tgt Ion: 97 Resp: 46530

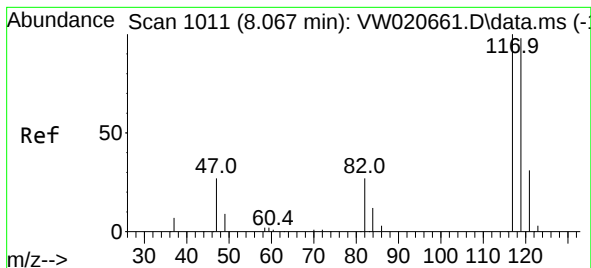
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 52.2 40.9 61.3

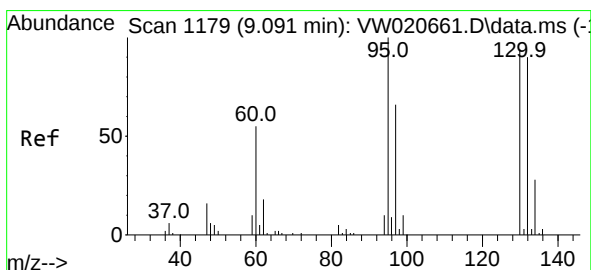
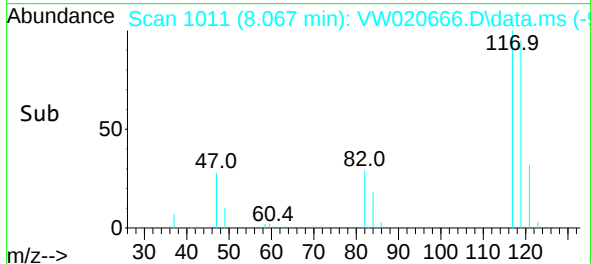
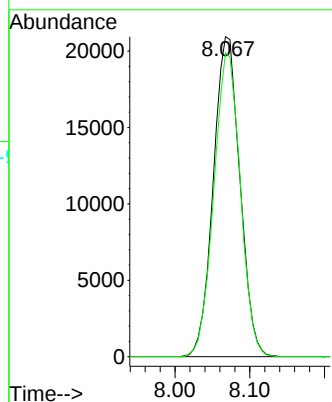
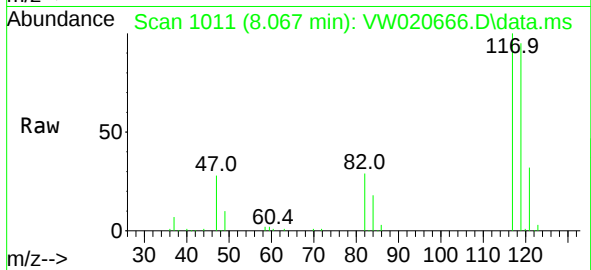




#31
Carbon tetrachloride
Concen: 13.113 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

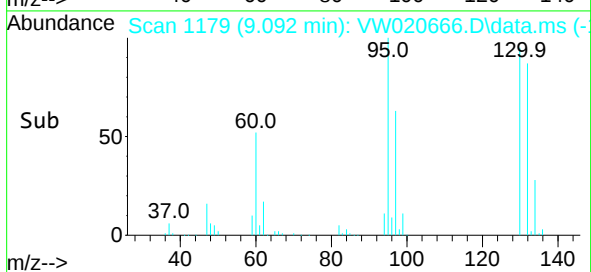
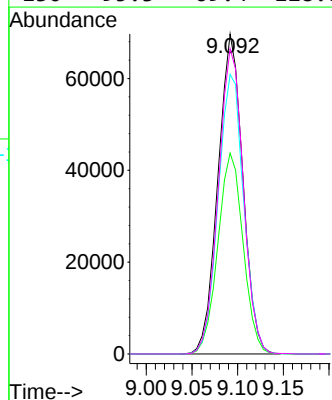
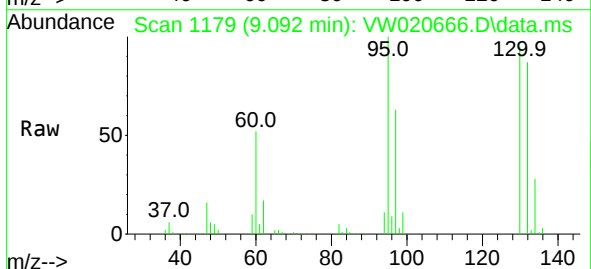
Instrument :
MSVOA_W
ClientSampled :
GB7H4

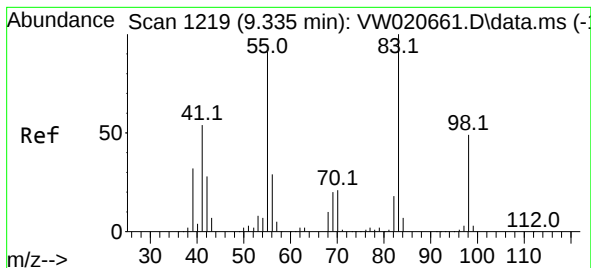
Tgt Ion:117 Resp: 51764
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5



#34
Trichloroethene
Concen: 42.375 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 95 Resp: 131850
Ion Ratio Lower Upper
95 100
97 62.7 47.0 87.2
132 87.3 65.5 121.6
130 95.3 69.4 128.8

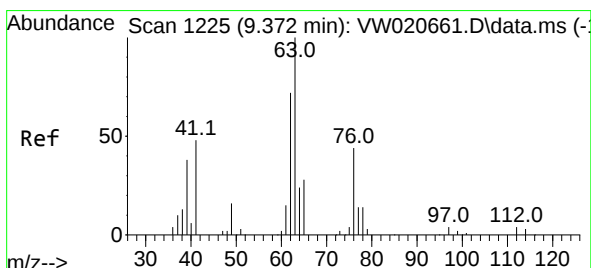
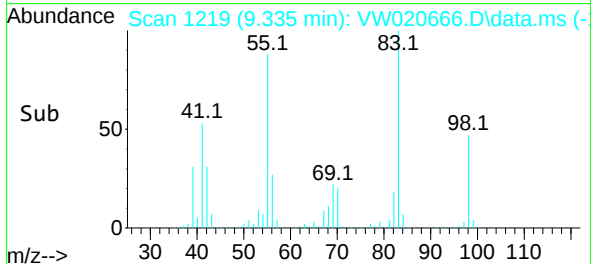
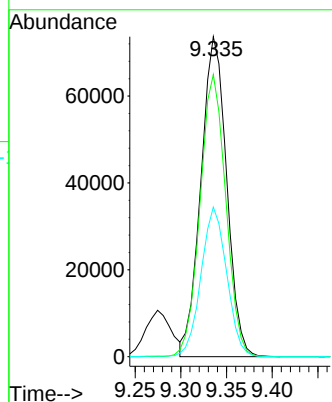
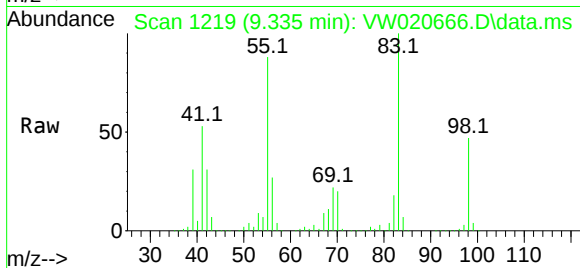




#35
Methylcyclohexane
Concen: 27.080 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

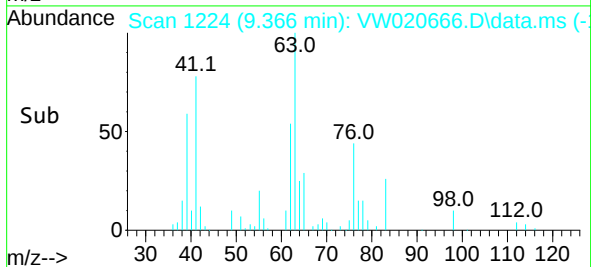
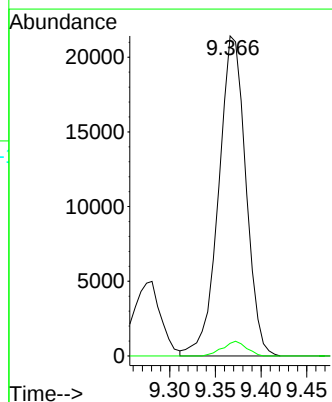
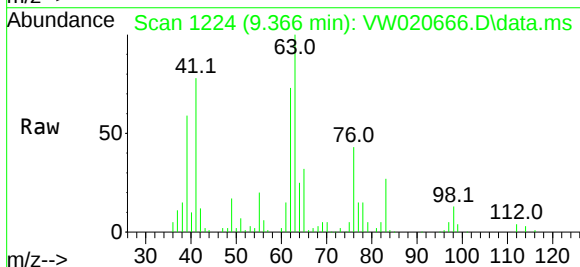
Instrument :
MSVOA_W
ClientSampled :
GB7H4

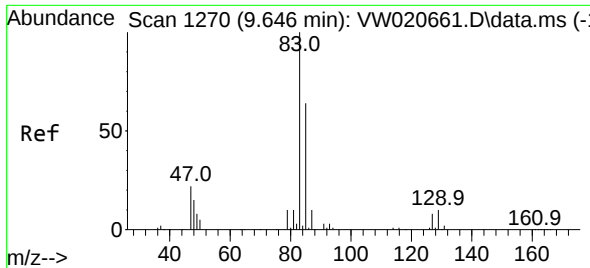
Tgt Ion: 83 Resp: 144108
Ion Ratio Lower Upper
83 100
55 88.3 70.8 106.2
98 46.6 37.7 56.5



#37
1,2-Dichloropropane
Concen: 13.438 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

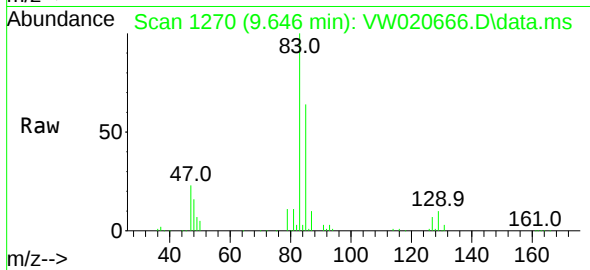
Tgt Ion: 63 Resp: 44349
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



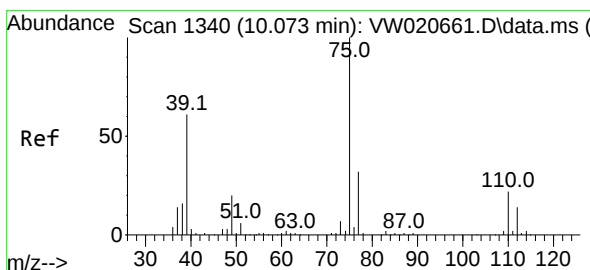
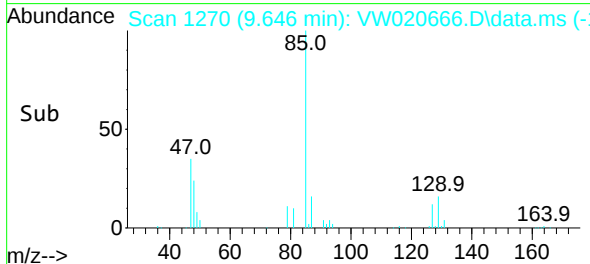
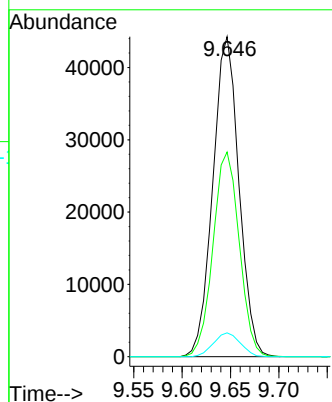


#38
Bromodichloromethane
Concen: 20.612 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Instrument :
MSVOA_W
ClientSampled :
GB7H4

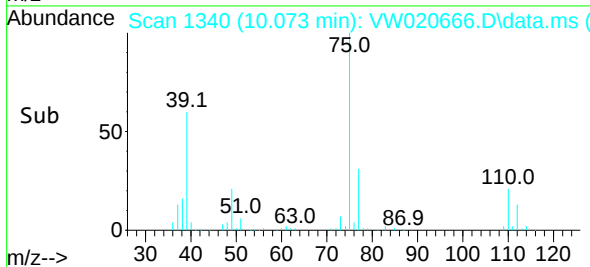
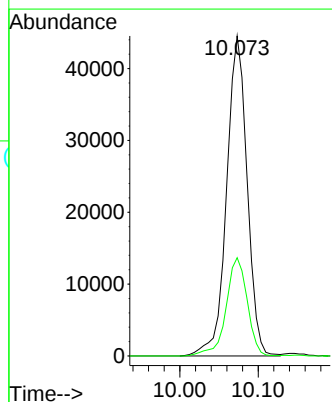
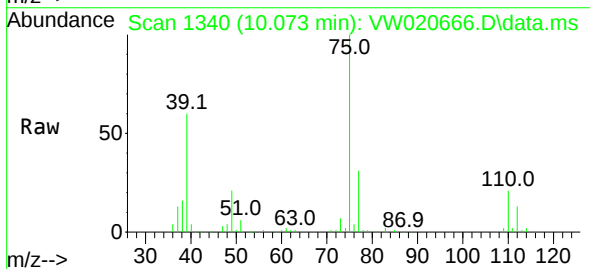


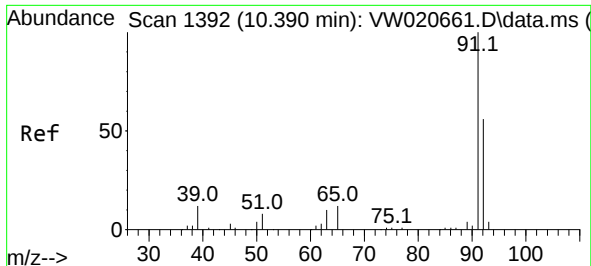
Tgt Ion: 83 Resp: 82993
Ion Ratio Lower Upper
83 100
85 64.0 44.1 81.9
127 7.5 6.1 9.1



#39
cis-1,3-Dichloropropene
Concen: 17.748 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 75 Resp: 81191
Ion Ratio Lower Upper
75 100
77 30.7 21.8 40.6

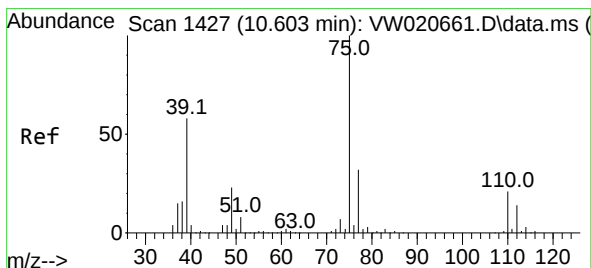
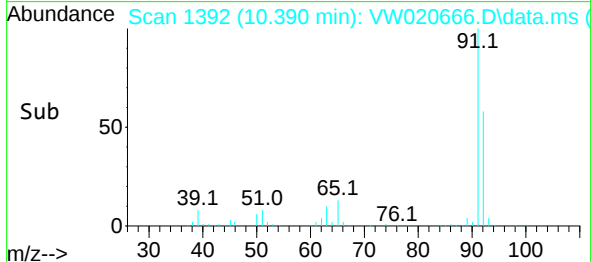
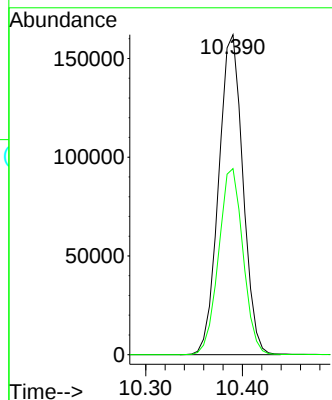
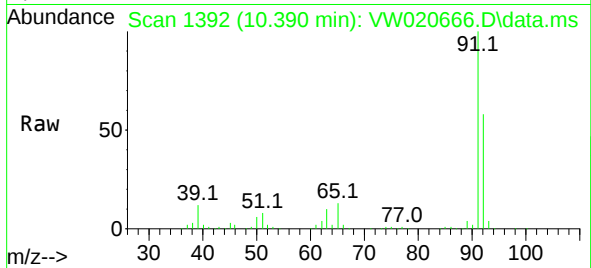




#42
Toluene
Concen: 22.119 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

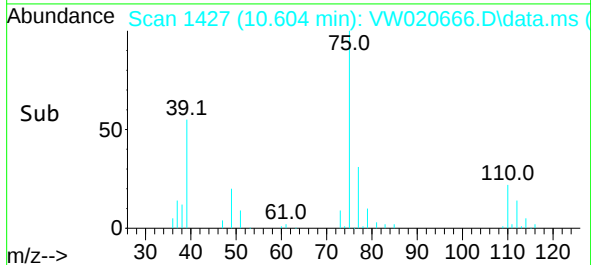
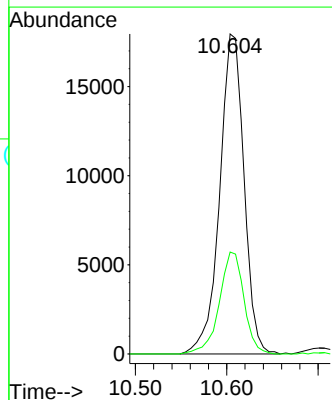
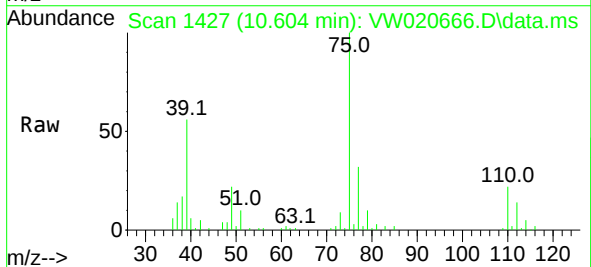
Instrument :
MSVOA_W
ClientSampled :
GB7H4

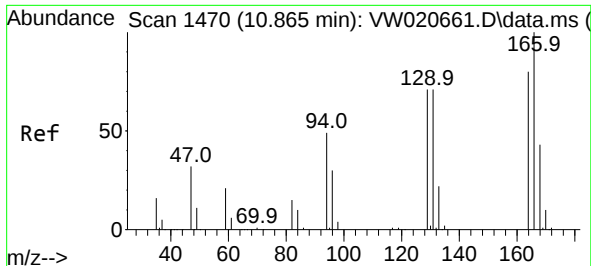
Tgt Ion: 91 Resp: 281829
Ion Ratio Lower Upper
91 100
92 58.2 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 8.011 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

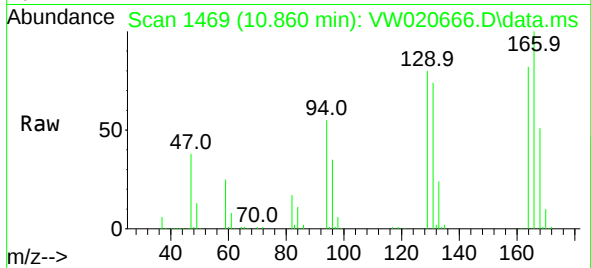
Tgt Ion: 75 Resp: 33183
Ion Ratio Lower Upper
75 100
77 31.9 22.2 41.2



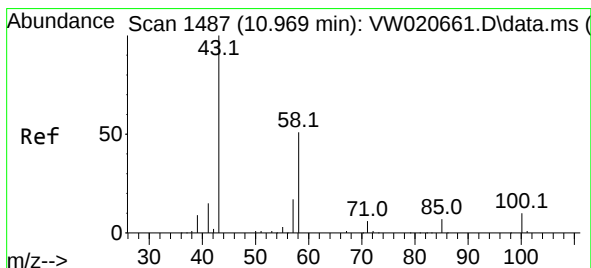
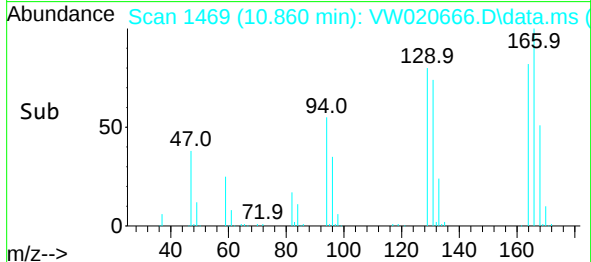
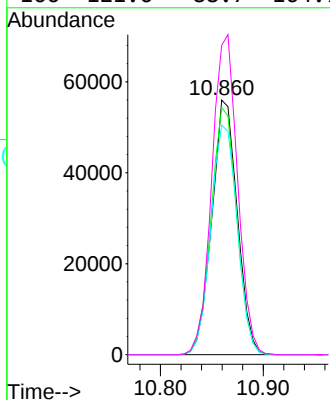


#46
Tetrachloroethene
Concen: 41.179 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

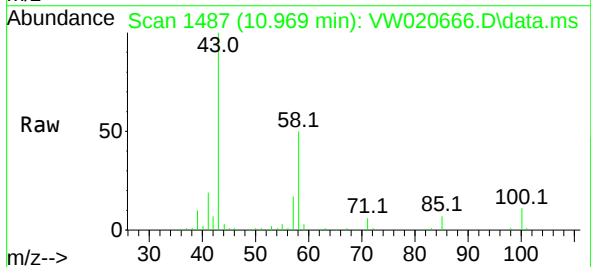
Instrument :
MSVOA_W
ClientSampled :
GB7H4



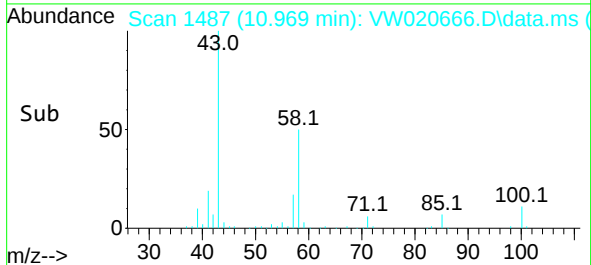
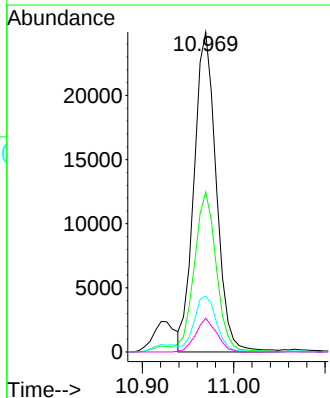
Tgt Ion:164	Resp:	96250
Ion	Ratio	Lower Upper
164	100	
129	97.1	65.5 121.7
131	90.1	59.7 110.9
166	121.6	88.7 164.7

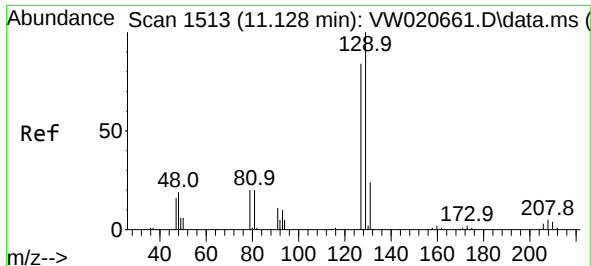


#48
2-Hexanone
Concen: 25.286 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31



Tgt Ion: 43	Resp:	42049
Ion	Ratio	Lower Upper
43	100	
58	49.8	40.2 60.2
57	17.7	14.3 21.5
100	9.9	8.0 12.0





#49

Dibromochloromethane

Concen: 19.712 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW020666.D

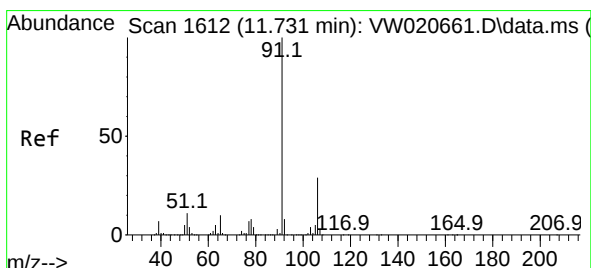
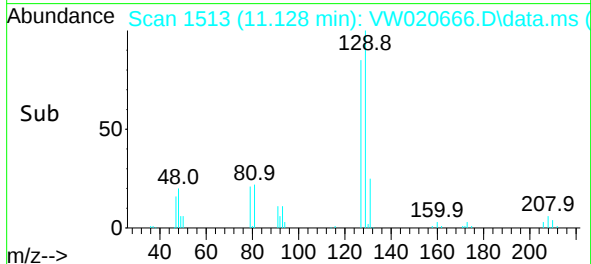
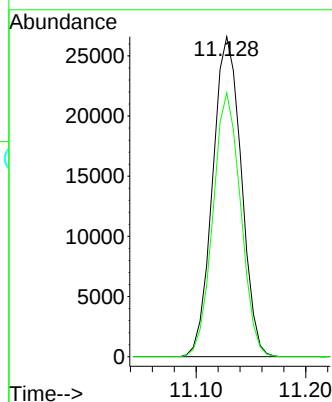
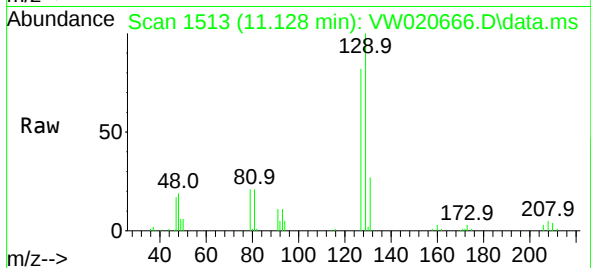
Acq: 21 Oct 2021 14:31

Tgt Ion:129 Resp: 48251

Ion Ratio Lower Upper

129 100

127 82.4 55.7 103.5



#52

Ethylbenzene

Concen: 16.383 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW020666.D

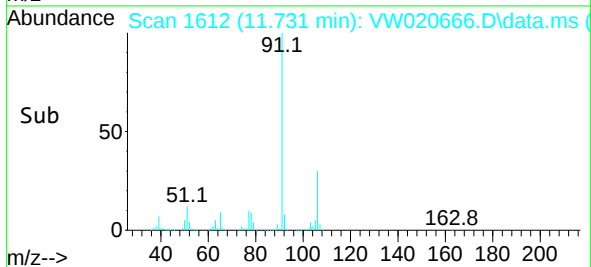
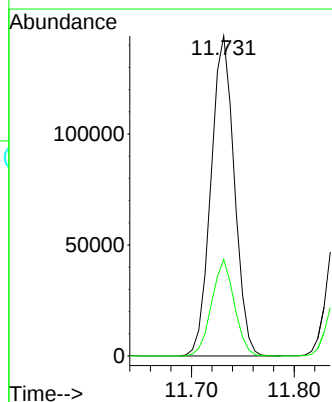
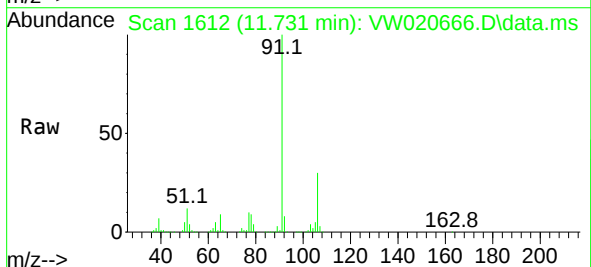
Acq: 21 Oct 2021 14:31

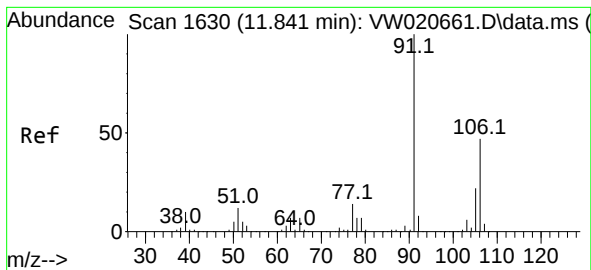
Tgt Ion: 91 Resp: 227382

Ion Ratio Lower Upper

91 100

106 30.2 21.5 39.9

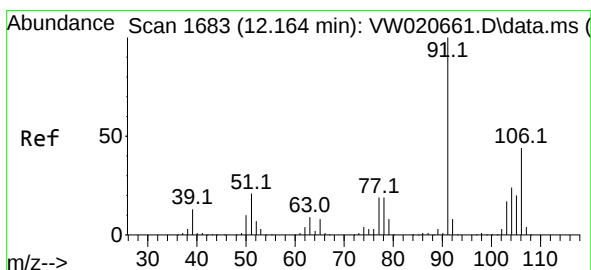
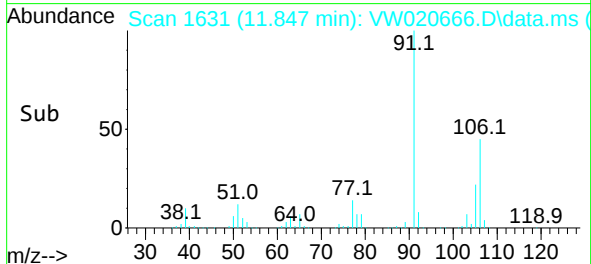
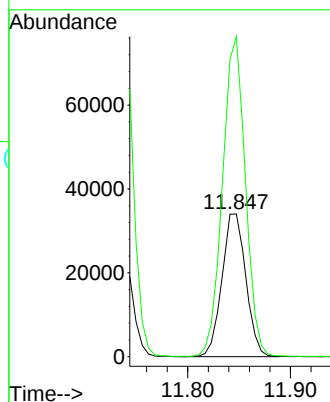
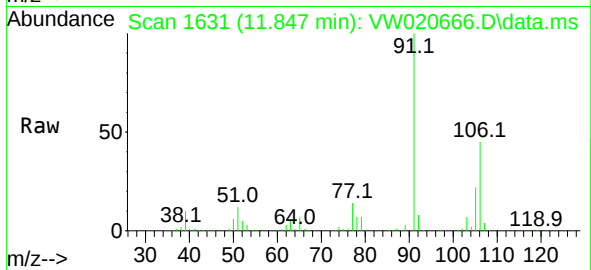




#53
m,p-Xylene
Concen: 10.725 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

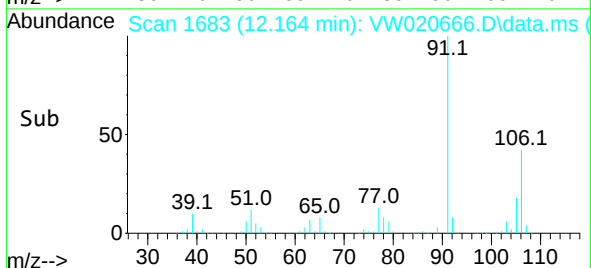
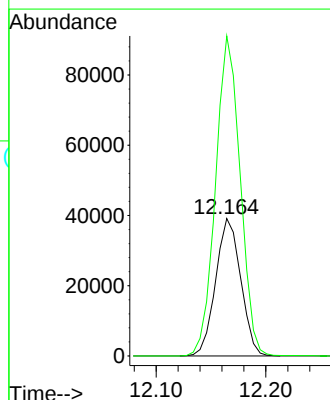
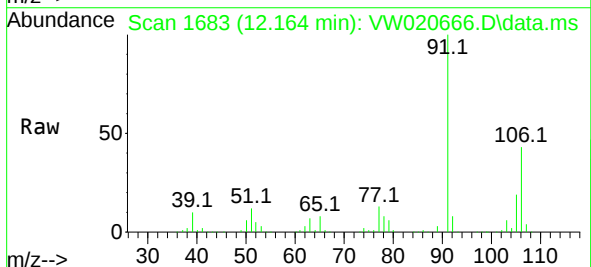
Instrument :
MSVOA_W
ClientSampled :
GB7H4

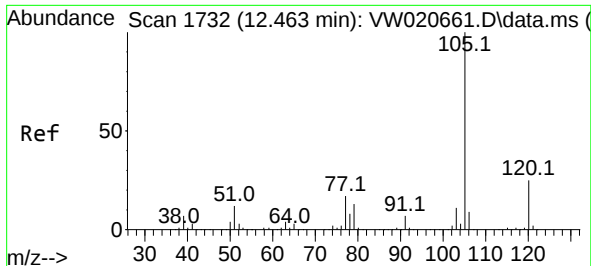
Tgt Ion:106 Resp: 54935
Ion Ratio Lower Upper
106 100
91 224.2 149.9 278.3



#54
o-Xylene
Concen: 13.044 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion:106 Resp: 62257
Ion Ratio Lower Upper
106 100
91 232.9 153.6 285.3

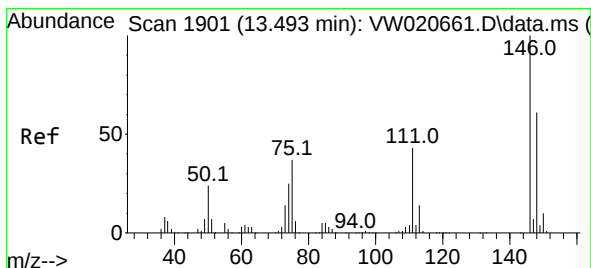
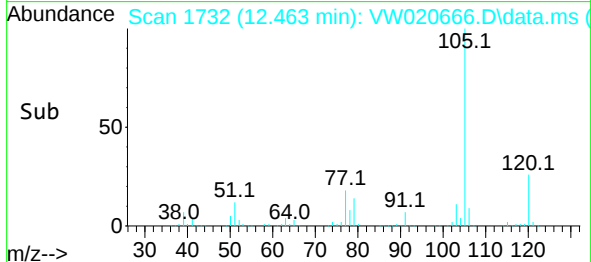
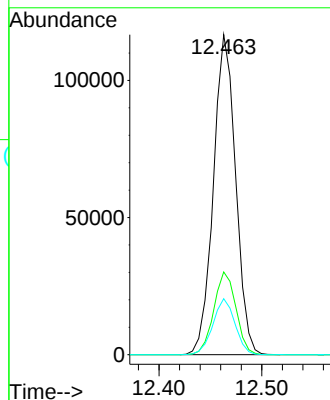
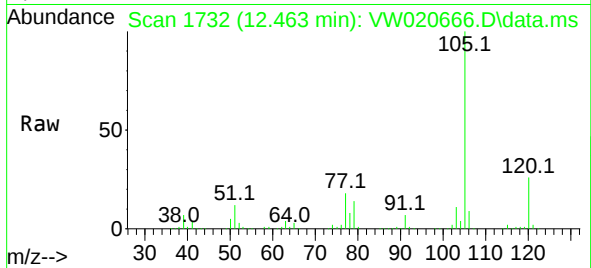




#60
Isopropylbenzene
Concen: 13.690 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

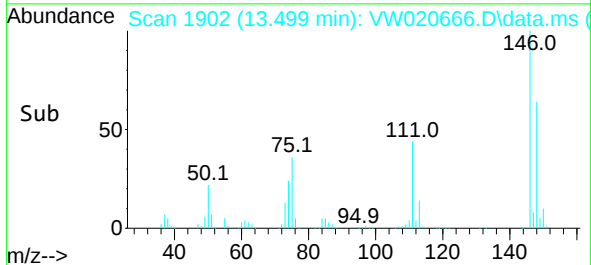
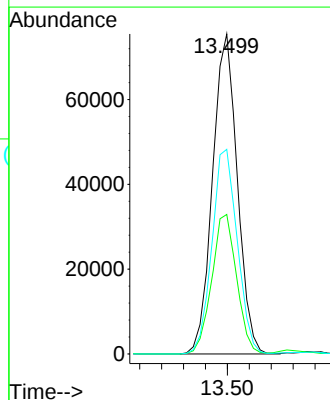
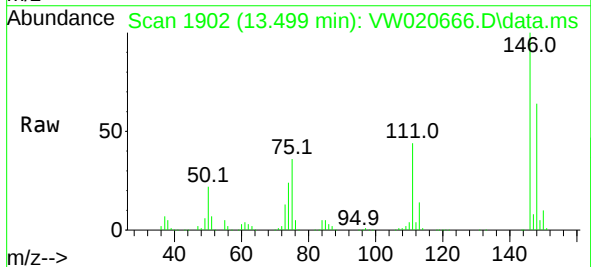
Instrument :
MSVOA_W
ClientSampled :
GB7H4

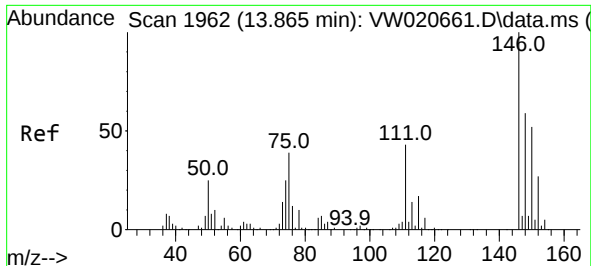
Tgt Ion:105 Resp: 175549
Ion Ratio Lower Upper
105 100
120 25.7 20.1 30.1
77 17.4 13.8 20.8



#64
1,3-Dichlorobenzene
Concen: 20.888 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion:146 Resp: 118319
Ion Ratio Lower Upper
146 100
111 43.6 29.8 55.3
148 64.0 46.2 85.8

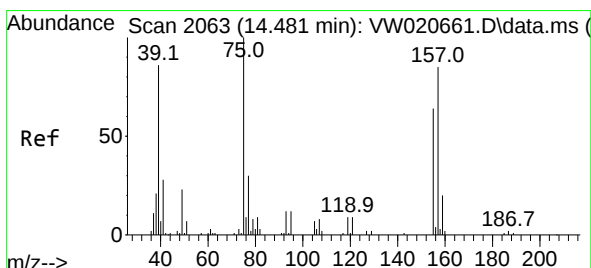
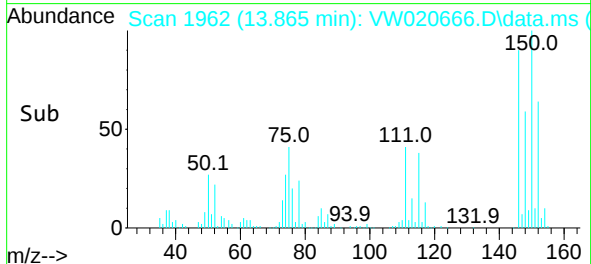
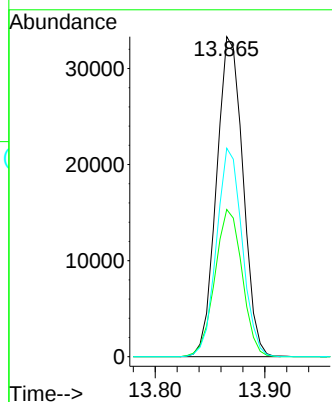
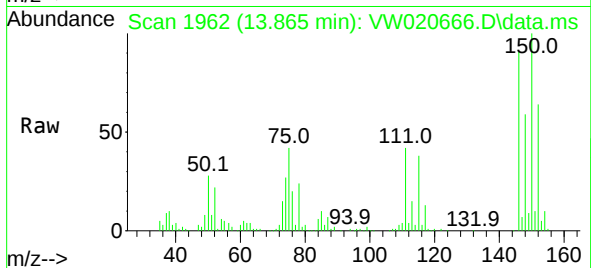




#67
1,2-Dichlorobenzene
Concen: 10.844 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Instrument :
MSVOA_W
ClientSampled :
GB7H4

Tgt Ion:146 Resp: 55767
Ion Ratio Lower Upper
146 100
111 46.0 33.1 49.7
148 65.2 47.4 71.2



#68
1,2-Dibromo-3-chloropropane
Concen: 16.565 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW020666.D
Acq: 21 Oct 2021 14:31

Tgt Ion: 75 Resp: 8094
Ion Ratio Lower Upper
75 100
155 69.1 54.2 81.2
157 84.1 69.4 104.2

