

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122721\
 Data File : VW021664.D
 Acq On : 27 Dec 2021 18:26
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 28 00:42:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 28 00:40:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	108232	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	111409	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	67394	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39445	20.011	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.040%
7) Chloroethane-d5	2.885	69	29388	22.552	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	4.013	63	63578	24.193	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.760%
21) 2-Butanone-d5	7.086	46	16137	58.076	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.160%
24) Chloroform-d	7.647	84	76065	25.219	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	8.305	65	41083	25.606	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.440%
32) Benzene-d6	8.275	84	141094	23.105	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	9.274	67	40095	24.482	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.920%
41) Toluene-d8	10.323	98	141295	22.645	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	10.579	79	19395	25.720	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.880%
47) 2-Hexanone-d5	10.921	63	13844	57.164	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.320%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	37310	26.501	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	13.853	152	59969	22.960	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.840%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.014	85	8399	20.085	ug/L	100
3) Chloromethane	2.209	50	28759	20.773	ug/L	100
5) Vinyl chloride	2.361	62	42346	19.484	ug/L	94
6) Bromomethane	2.782	94	26126	18.533	ug/L	96
8) Chloroethane	2.922	64	22437	22.408	ug/L	95
9) Trichlorofluoromethane	3.257	101	37967	33.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	37064	24.800	ug/L	90
12) 1,1-Dichloroethene	4.038	96	31849	23.740	ug/L	88
13) Acetone	4.147	43	12607	50.612	ug/L	95
14) Carbon disulfide	4.379	76	68983	19.911	ug/L	100
15) Methyl Acetate	4.684	43	11895	27.676	ug/L	# 86
16) Methylene chloride	4.915	84	36973	20.674	ug/L	83
17) trans-1,2-Dichloroethene	5.421	96	34134	23.499	ug/L	85
18) Methyl tert-butyl Ether	5.428	73	56984	28.404	ug/L	94
19) 1,1-Dichloroethane	6.214	63	59260	25.998	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	39683	25.900	ug/L	79
22) 2-Butanone	7.177	43	17343	53.314	ug/L	84
23) Bromochloromethane	7.519	128	19248	26.868	ug/L	# 61
25) Chloroform	7.677	83	68856	26.022	ug/L	99

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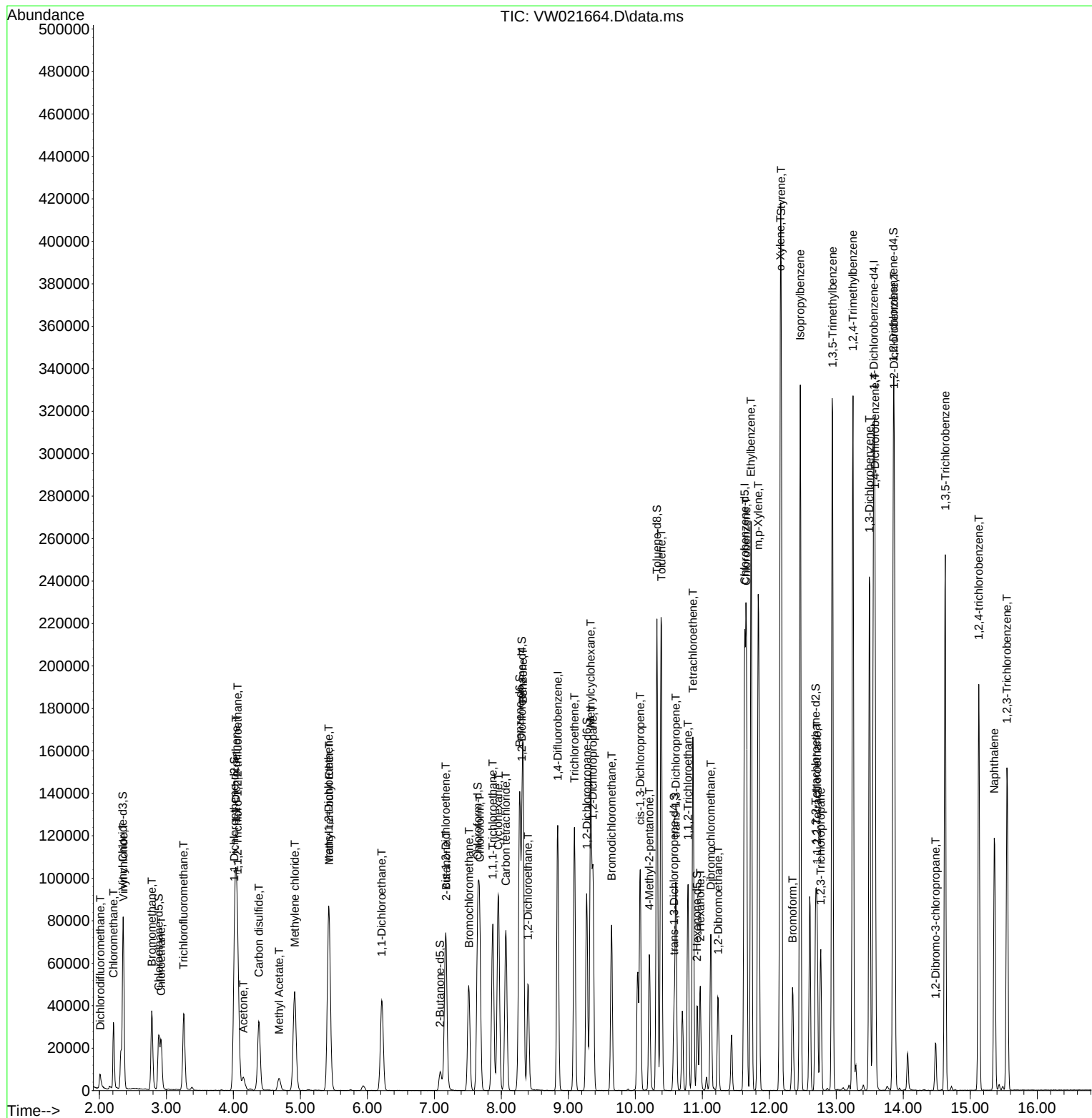
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	45906	27.396	ug/L	98
29) Cyclohexane	7.952	56	48756	21.987	ug/L #	82
30) 1,1,1-Trichloroethane	7.872	97	63065	25.229	ug/L	94
31) Carbon tetrachloride	8.067	117	57258	24.831	ug/L	98
33) Benzene	8.323	78	138835	22.876	ug/L	100
34) Trichloroethene	9.092	95	40074	23.522	ug/L	90
35) Methylcyclohexane	9.335	83	61029	21.716	ug/L #	85
37) 1,2-Dichloropropane	9.366	63	33311	24.607	ug/L #	96
38) Bromodichloromethane	9.646	83	50630	27.201	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	56197	26.335	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	40034	54.275	ug/L #	91
42) Toluene	10.390	91	164032	23.110	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	51346	27.471	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	29721	26.824	ug/L	93
46) Tetrachloroethene	10.860	164	37304	23.050	ug/L	97
48) 2-Hexanone	10.969	43	29759	55.634	ug/L #	95
49) Dibromochloromethane	11.128	129	37541	27.484	ug/L	100
50) 1,2-Dibromoethane	11.238	107	28165	25.543	ug/L #	97
51) Chlorobenzene	11.658	112	117845	24.798	ug/L	92
52) Ethylbenzene	11.725	91	193512	23.857	ug/L	98
53) m,p-Xylene	11.835	106	76038	23.238	ug/L	97
54) o-Xylene	12.164	106	74882	24.113	ug/L	94
55) Styrene	12.176	104	131507	24.882	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	34909	27.484	ug/L #	96
59) Bromoform	12.347	173	22698	28.306	ug/L	97
60) Isopropylbenzene	12.463	105	210719	23.010	ug/L	96
61) 1,2,3-Trichloropropane	12.768	75	25699	26.201	ug/L	93
62) 1,3,5-Trimethylbenzene	12.945	105	177421	22.768	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	174536	22.705	ug/L	94
64) 1,3-Dichlorobenzene	13.493	146	103473	23.955	ug/L	90
65) 1,4-Dichlorobenzene	13.579	146	100221	23.353	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	94290	24.795	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	5384	26.612	ug/L #	74
69) 1,3,5-Trichlorobenzene	14.627	180	79849	24.733	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	62942	24.239	ug/L	91
71) Naphthalene	15.359	128	105038	24.898	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	52413	24.424	ug/L	96

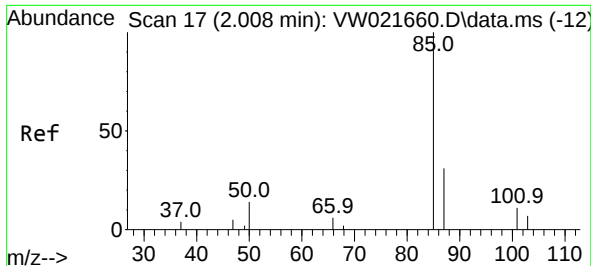
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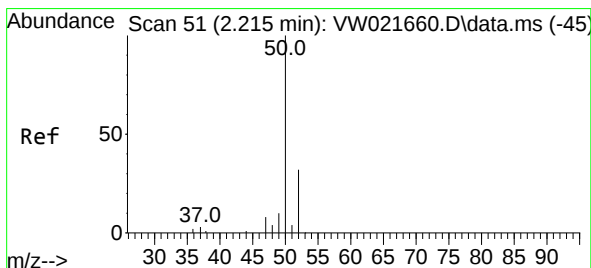
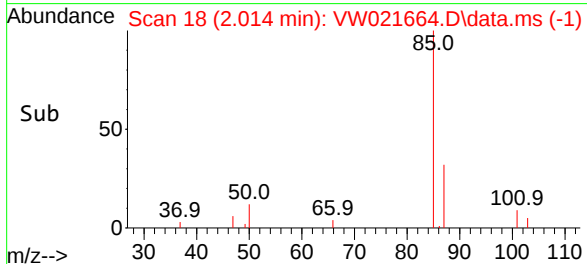
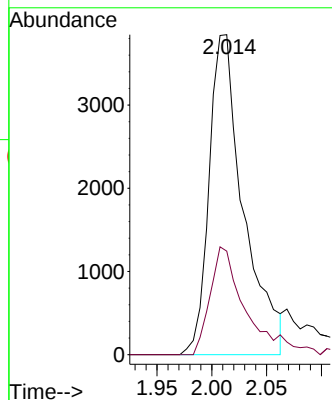
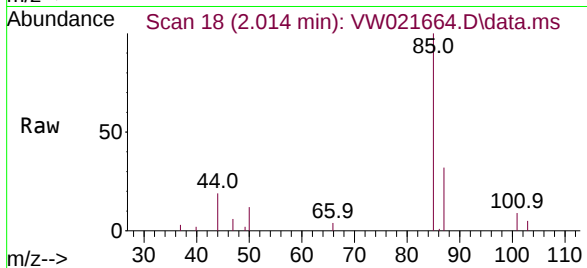




#2
Dichlorodifluoromethane
Concen: 20.085 ug/L
RT: 2.014 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

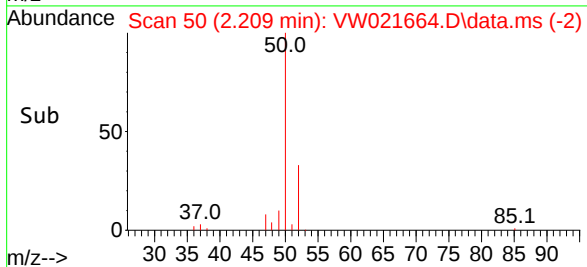
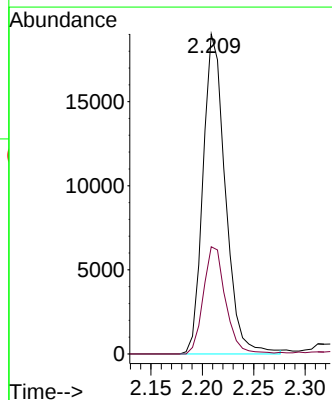
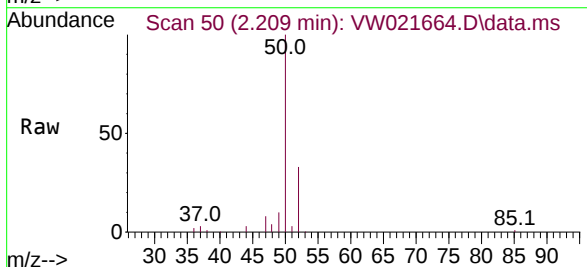
Instrument :
MSVOA_W
ClientSampleId :

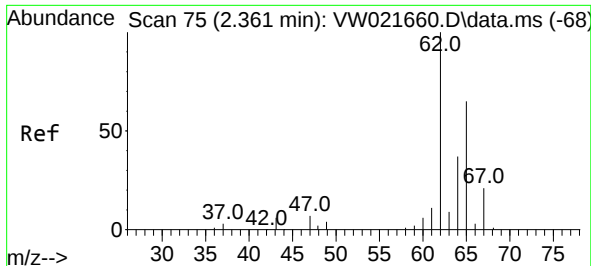
Tgt Ion: 85 Resp: 8399
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.6



#3
Chloromethane
Concen: 20.773 ug/L
RT: 2.209 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

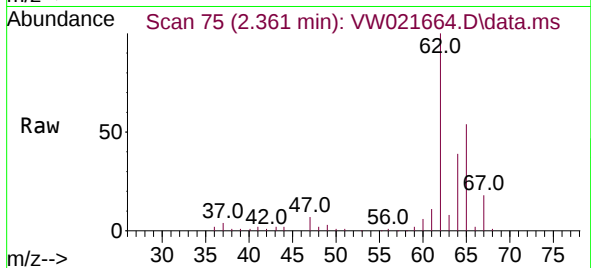
Tgt Ion: 50 Resp: 28759
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.6



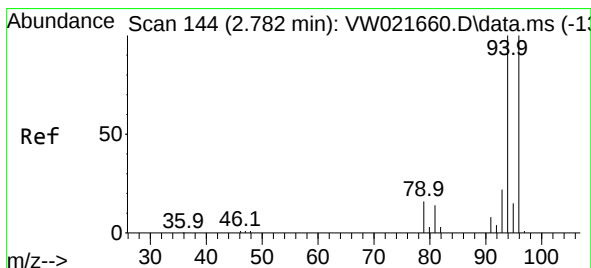
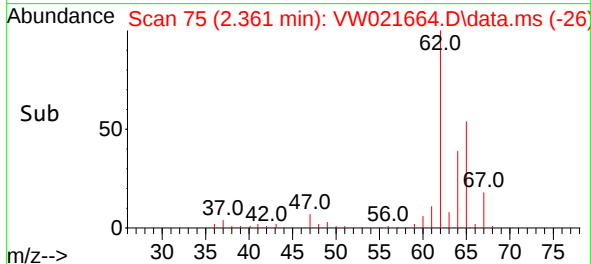
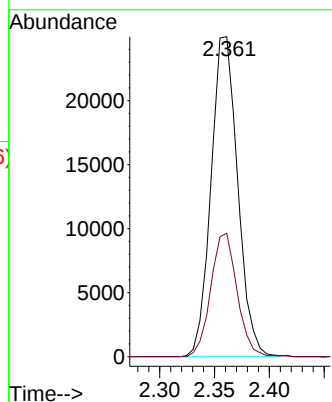


#5
 Vinyl chloride
 Concen: 19.484 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW021664.D
 Acq: 27 Dec 2021 18:26

Instrument :
 MSVOA_W
 ClientSampleId :

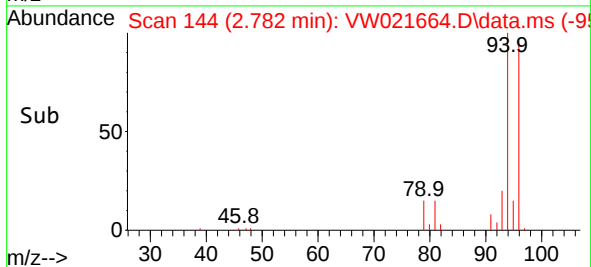
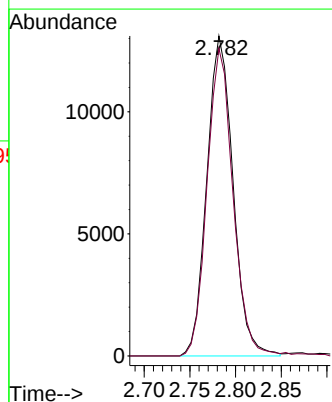
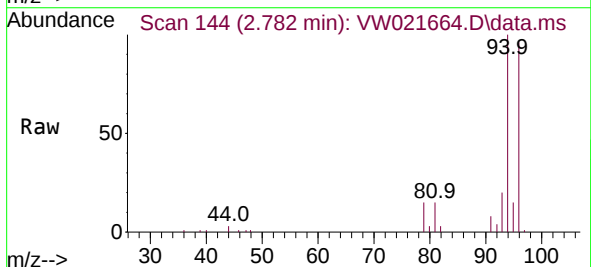


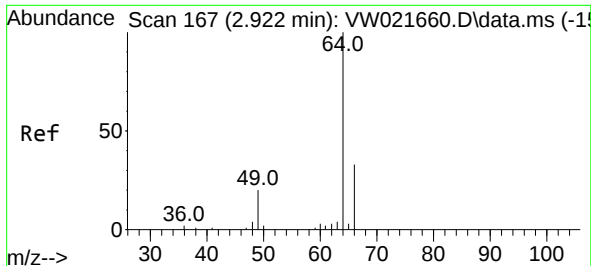
Tgt Ion: 62 Resp: 42346
 Ion Ratio Lower Upper
 62 100
 64 38.6 24.4 45.2



#6
 Bromomethane
 Concen: 18.533 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW021664.D
 Acq: 27 Dec 2021 18:26

Tgt Ion: 94 Resp: 26126
 Ion Ratio Lower Upper
 94 100
 96 96.1 64.8 120.4

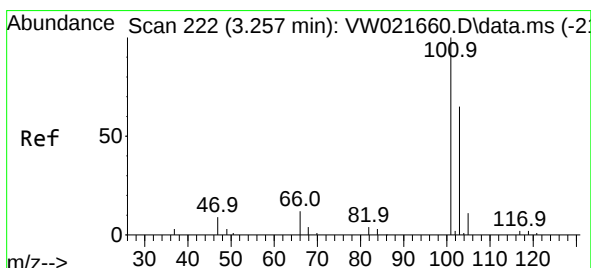
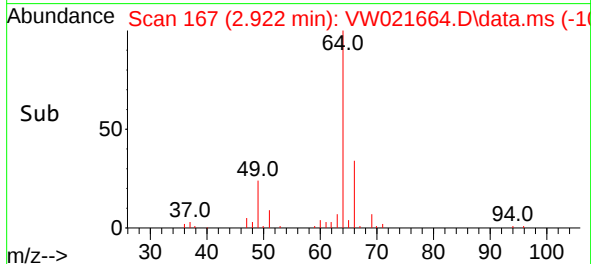
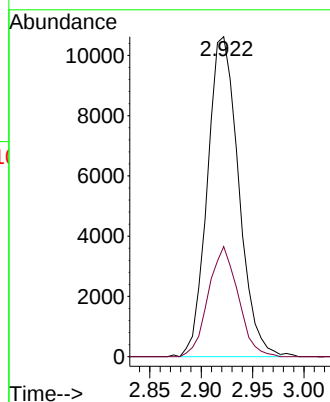
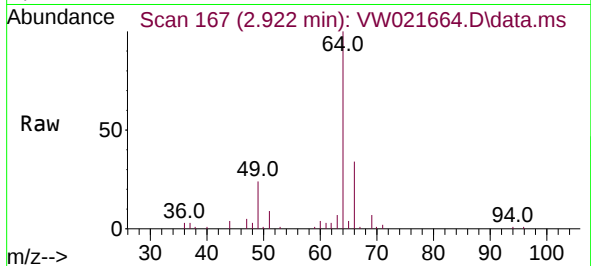




#8
Chloroethane
Concen: 22.408 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

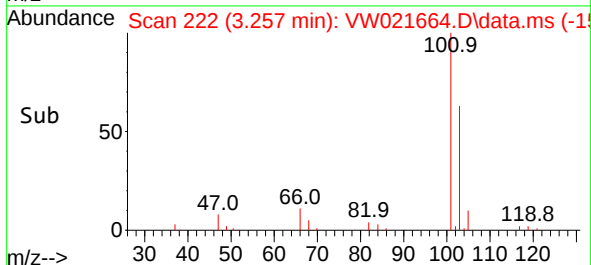
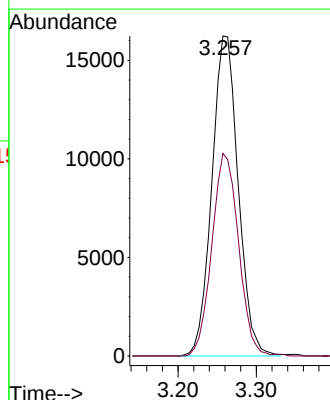
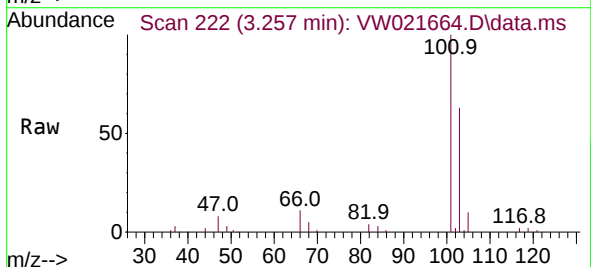
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ClientSampleId :

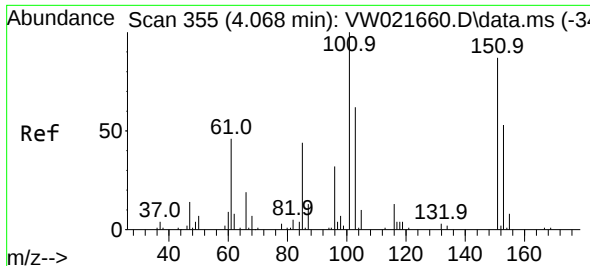
Tgt Ion: 64 Resp: 22437
Ion Ratio Lower Upper
64 100
66 34.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 33.108 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion:101 Resp: 37967
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2

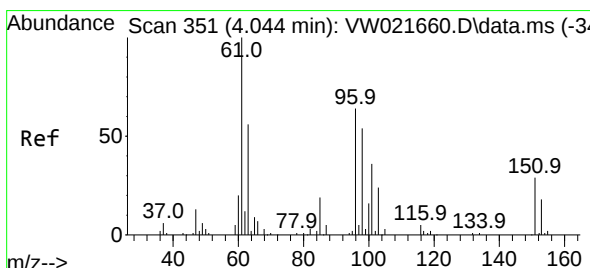
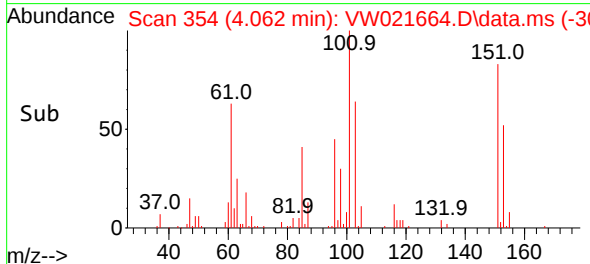
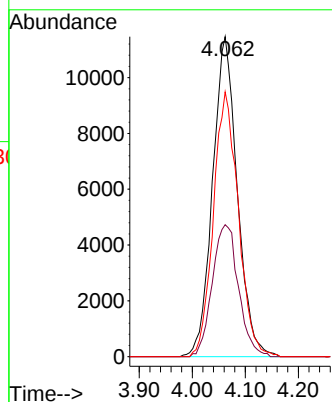
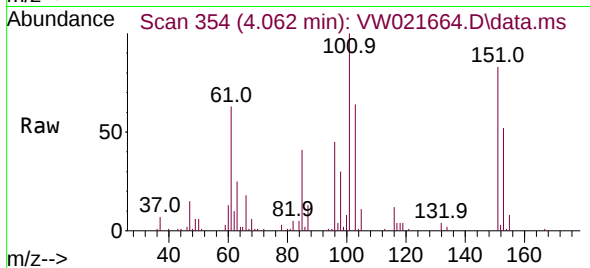




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.800 ug/L
 RT: 4.062 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VW021664.D
 Acq: 27 Dec 2021 18:26

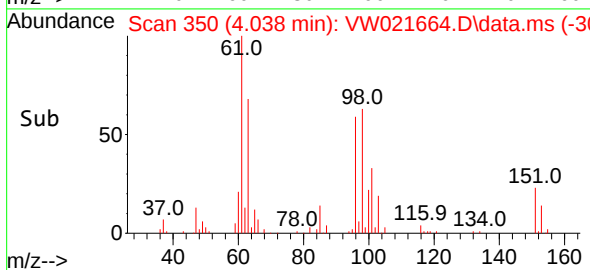
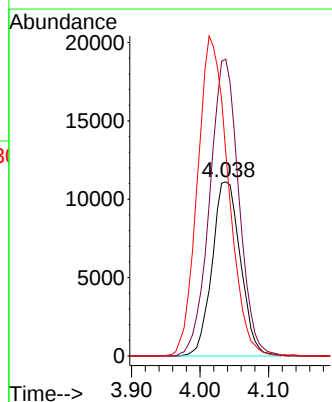
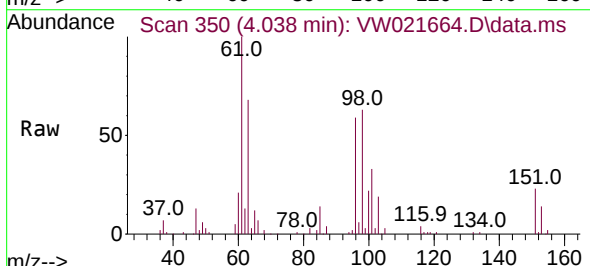
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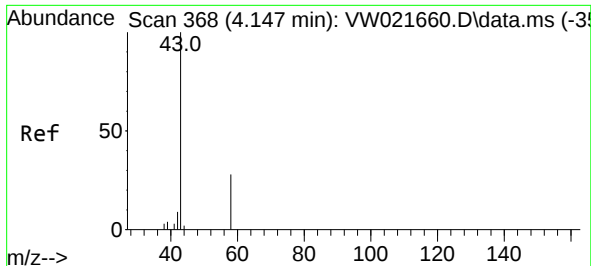
Tgt Ion:101 Resp: 37064
 Ion Ratio Lower Upper
 101 100
 85 43.8 36.6 54.8
 151 83.7 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 23.740 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW021664.D
 Acq: 27 Dec 2021 18:26

Tgt Ion: 96 Resp: 31849
 Ion Ratio Lower Upper
 96 100
 61 170.5 138.3 256.9
 63 116.6 82.6 153.4





#13

Acetone

Concen: 50.612 ug/L

RT: 4.147 min Scan# 368

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

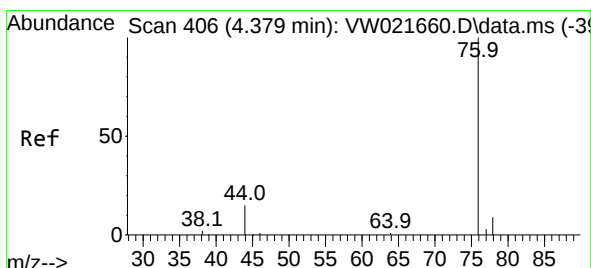
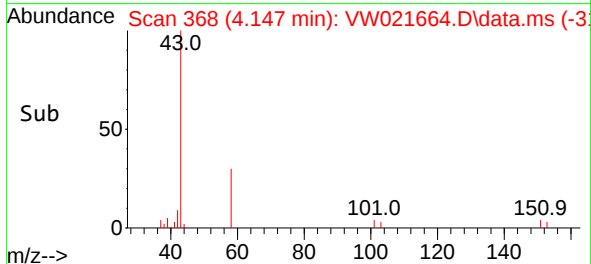
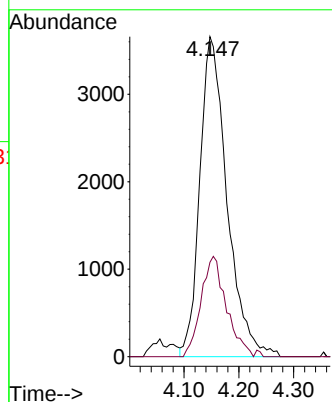
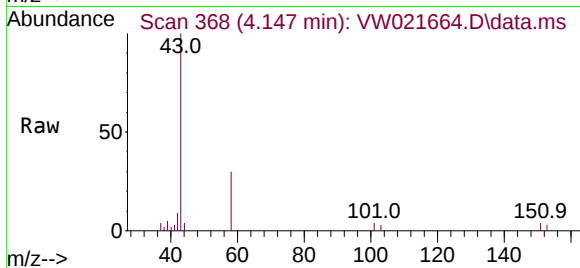
ClientSampleId :

Tgt Ion: 43 Resp: 12607

Ion Ratio Lower Upper

43 100

58 29.2 0.0 52.8



#14

Carbon disulfide

Concen: 19.911 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.000 min

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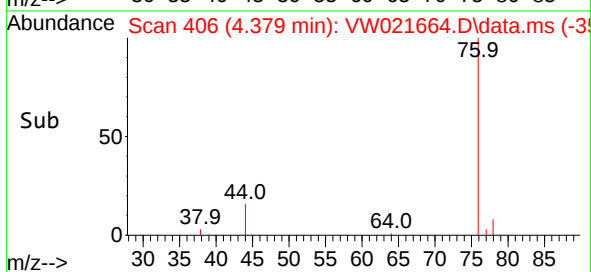
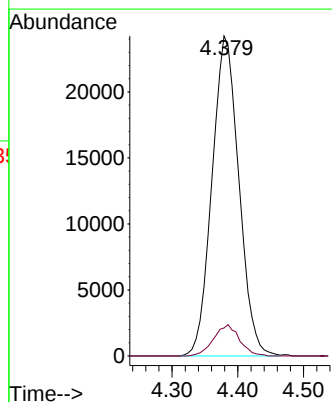
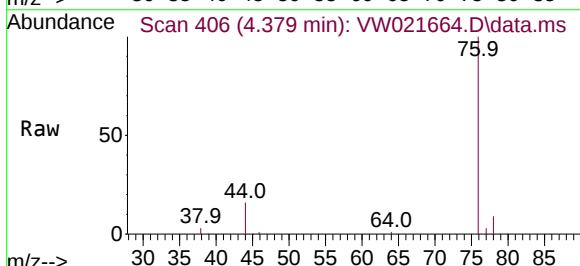
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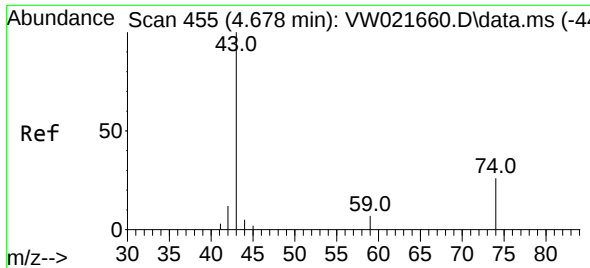
Tgt Ion: 76 Resp: 68983

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

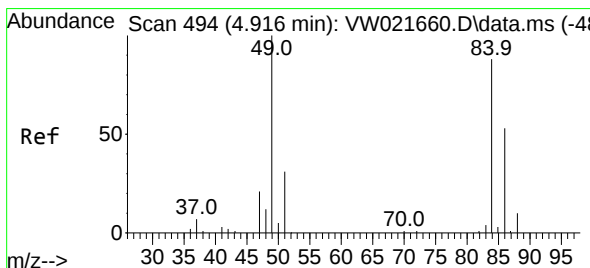
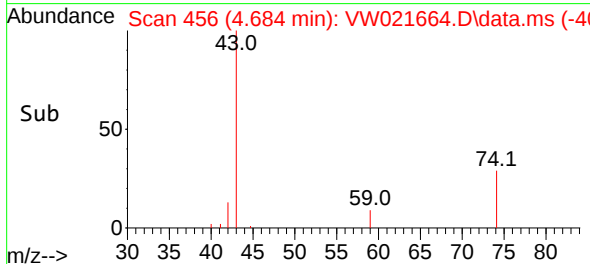
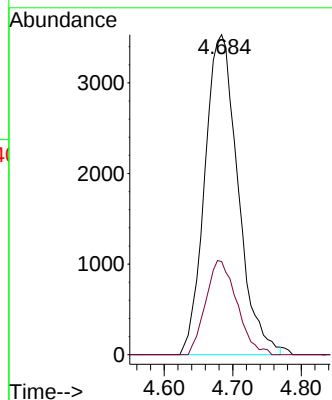
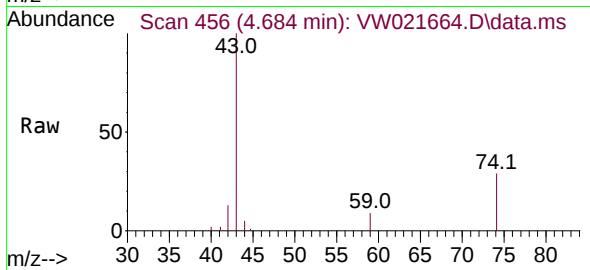




#15
Methyl Acetate
Concen: 27.676 ug/L
RT: 4.684 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

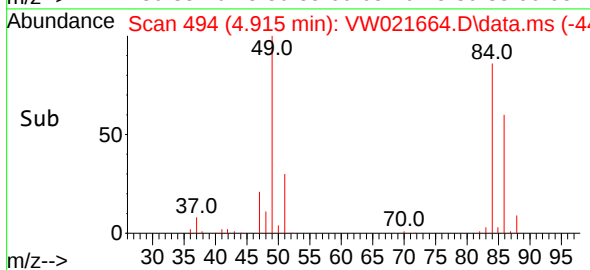
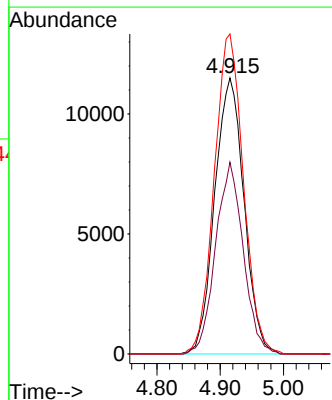
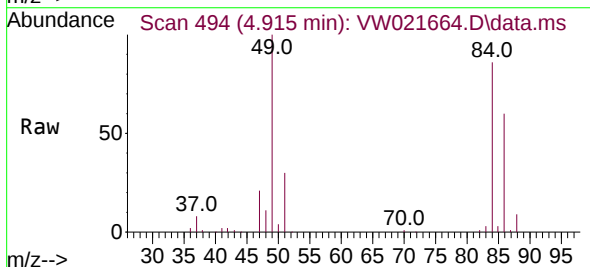
Instrument :
MSVOA_W
ClientSampleId :

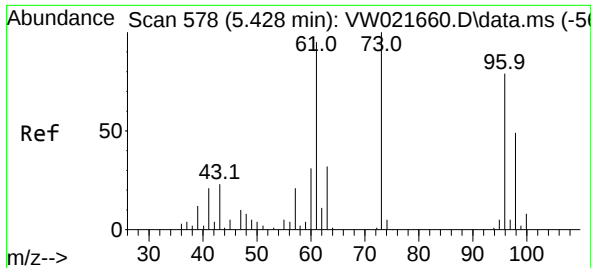
Tgt Ion: 43 Resp: 11895
Ion Ratio Lower Upper
43 100
74 27.2 16.4 24.6#



#16
Methylene chloride
Concen: 20.674 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 84 Resp: 36973
Ion Ratio Lower Upper
84 100
86 69.5 45.5 84.5
49 115.9 100.5 186.7

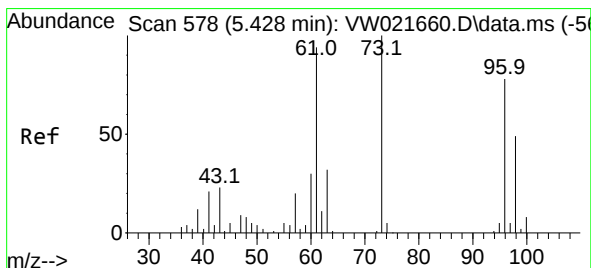
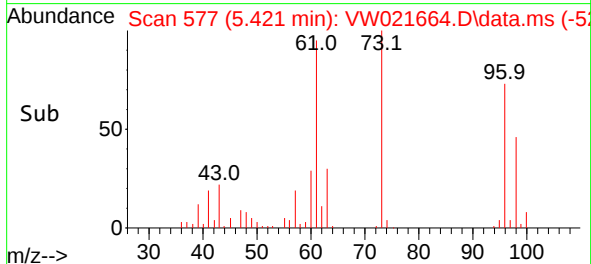
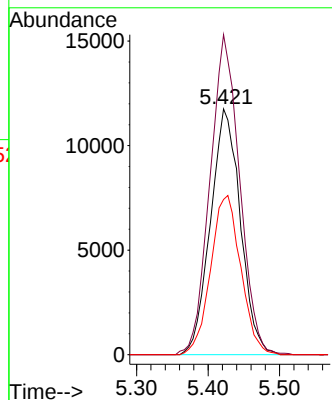
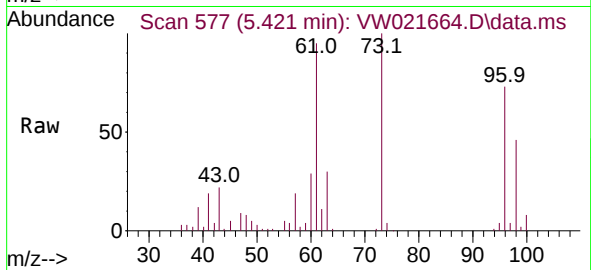




#17
trans-1,2-Dichloroethene
Concen: 23.499 ug/L
RT: 5.421 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

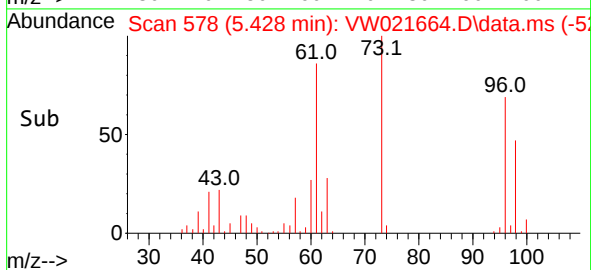
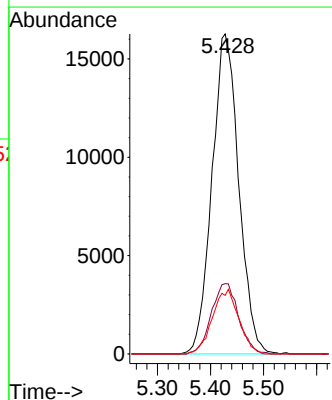
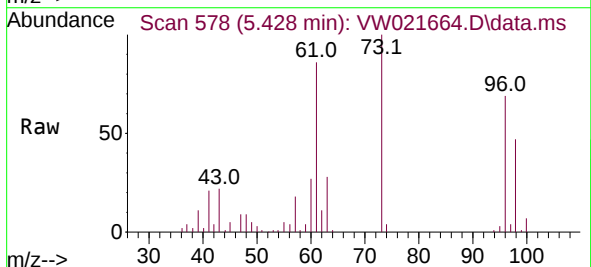
Instrument :
MSVOA_W
ClientSampleId :

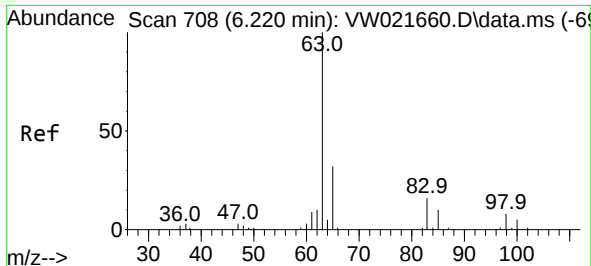
Tgt Ion: 96 Resp: 34134
Ion Ratio Lower Upper
96 100
61 130.2 107.4 199.4
98 63.1 41.2 76.6



#18
Methyl tert-butyl Ether
Concen: 28.404 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 73 Resp: 56984
Ion Ratio Lower Upper
73 100
43 22.3 19.5 29.3
57 20.0 19.3 28.9





#19

1,1-Dichloroethane

Concen: 25.998 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW021664.D

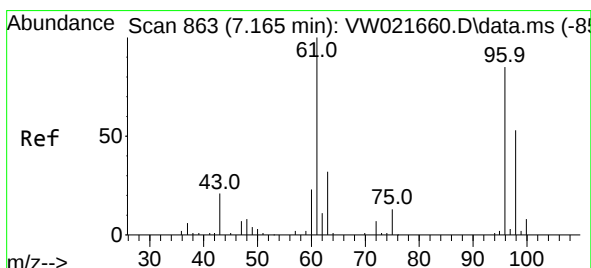
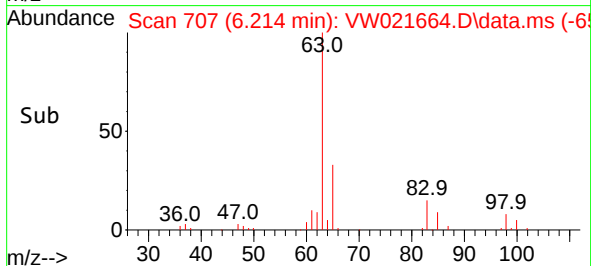
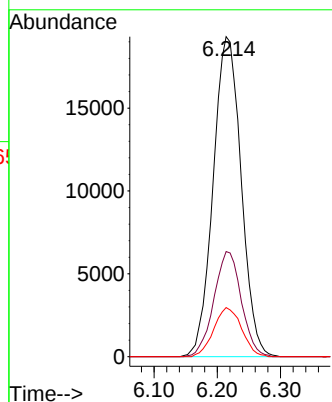
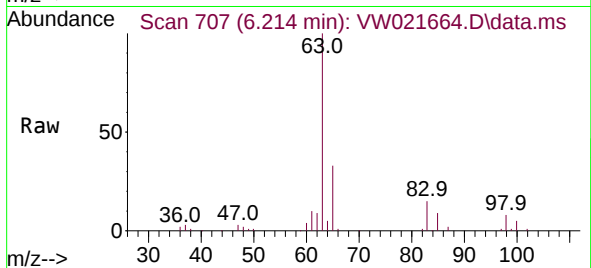
Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	63	Resp:	59260
Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.1	41.1
83	15.3	9.2	17.2



#20

cis-1,2-Dichloroethene

Concen: 25.900 ug/L

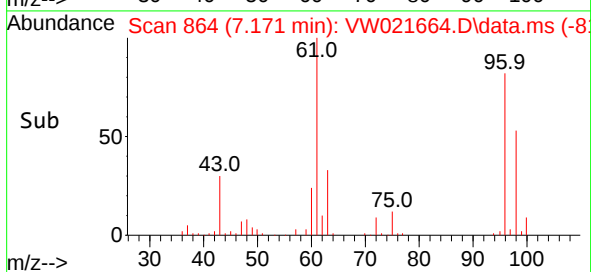
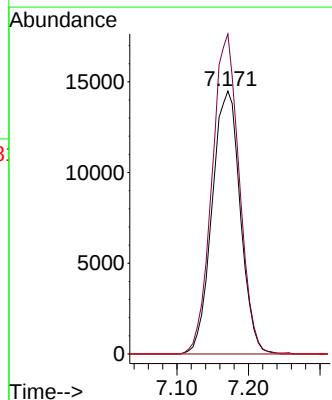
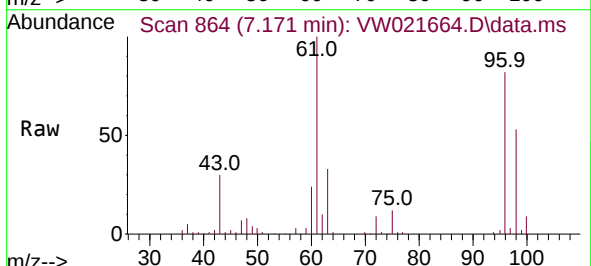
RT: 7.171 min Scan# 864

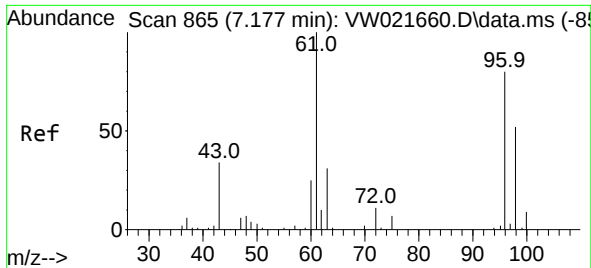
Delta R.T. 0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Tgt Ion:	96	Resp:	39683
Ion	Ratio	Lower	Upper
96	100		
61	121.7	103.7	192.7
68	0.0	0.0	0.0

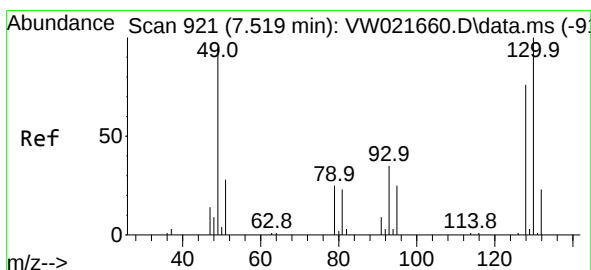
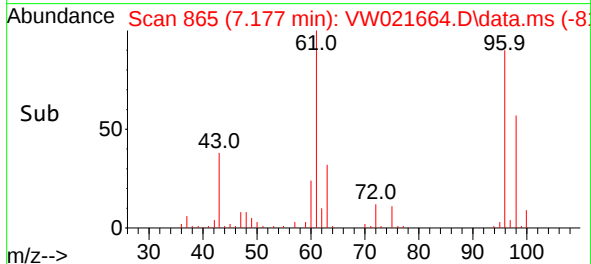
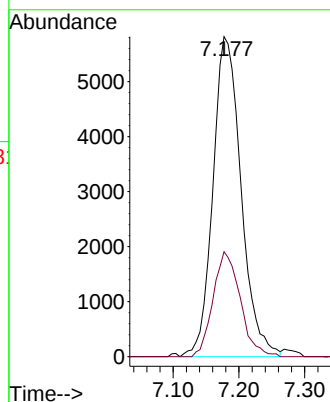
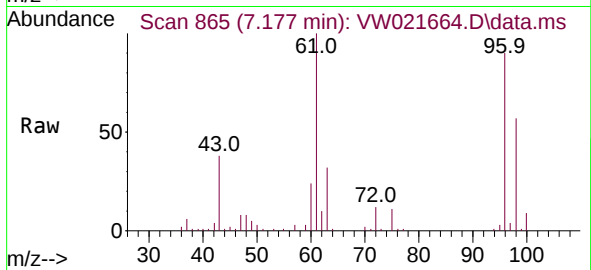




#22
2-Butanone
Concen: 53.314 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

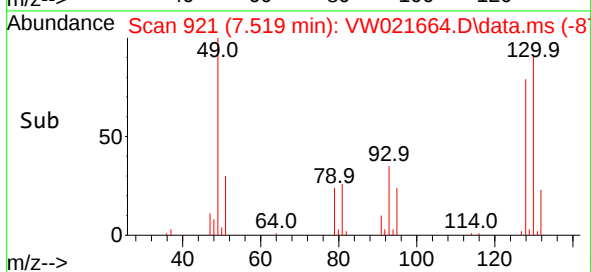
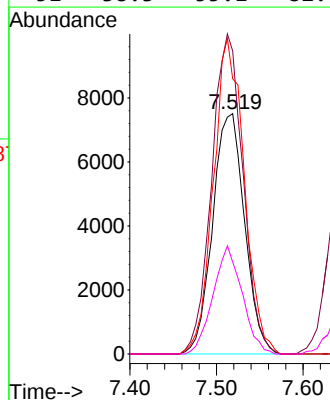
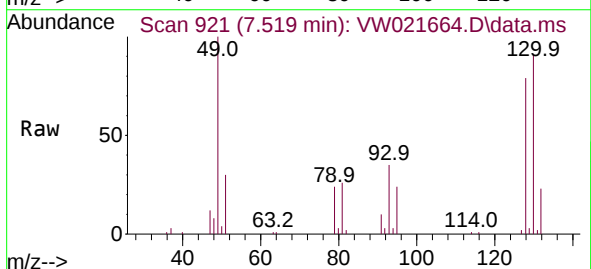
Instrument :
MSVOA_W
ClientSampleId :

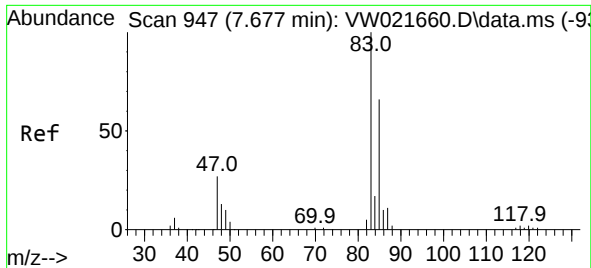
Tgt Ion: 43 Resp: 17343
Ion Ratio Lower Upper
43 100
72 31.5 11.8 35.4



#23
Bromochloromethane
Concen: 26.868 ug/L
RT: 7.519 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 128 Resp: 19248
Ion Ratio Lower Upper
128 100
49 126.1 150.3 279.1#
130 114.5 88.3 163.9
51 38.3 55.1 82.7#

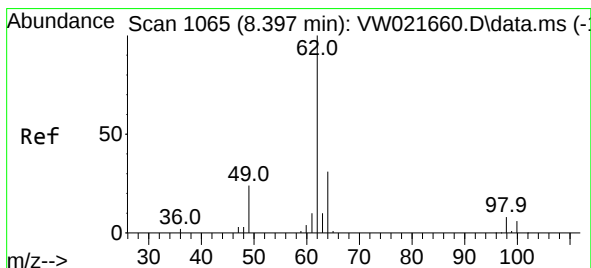
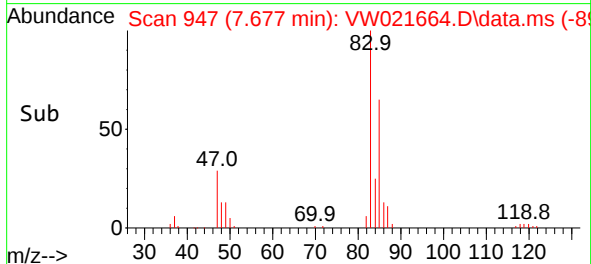
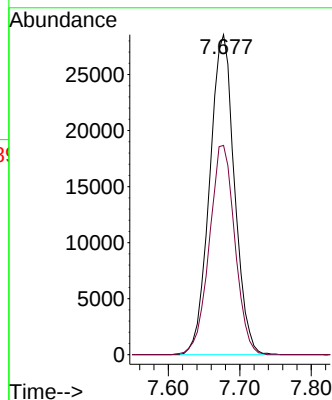
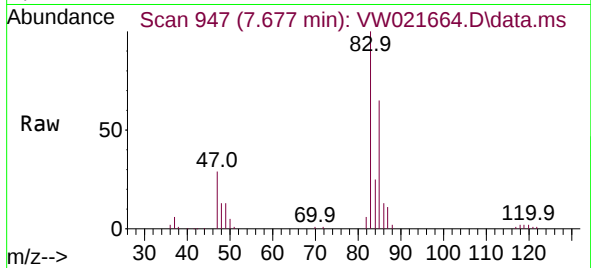




#25
Chloroform
Concen: 26.022 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

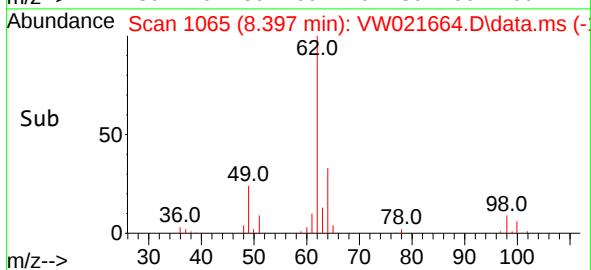
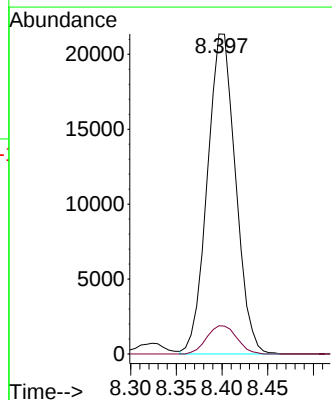
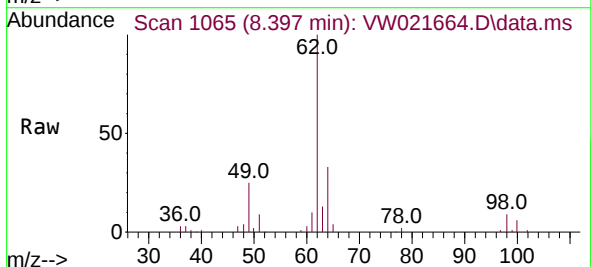
Instrument :
MSVOA_W
ClientSampleId :

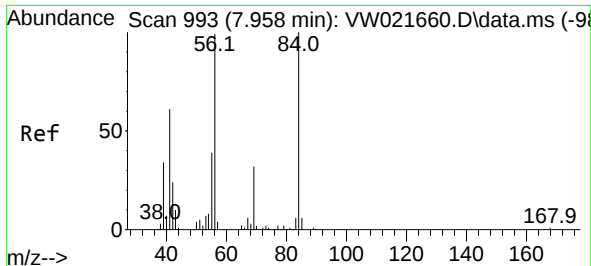
Tgt Ion: 83 Resp: 68856
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 27.396 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

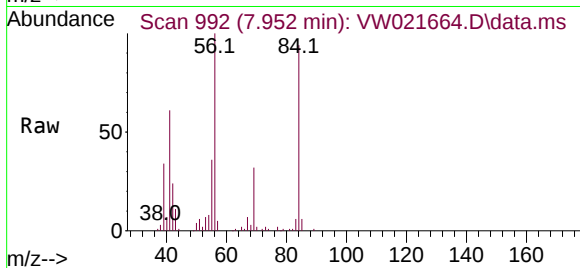
Tgt Ion: 62 Resp: 45906
Ion Ratio Lower Upper
62 100
98 8.8 6.5 9.7



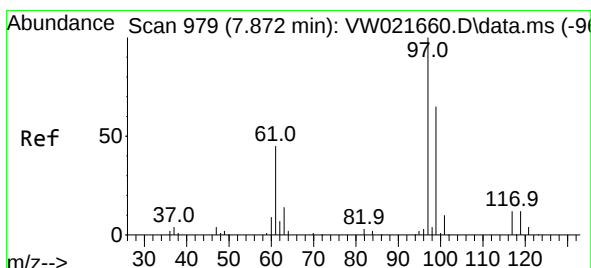
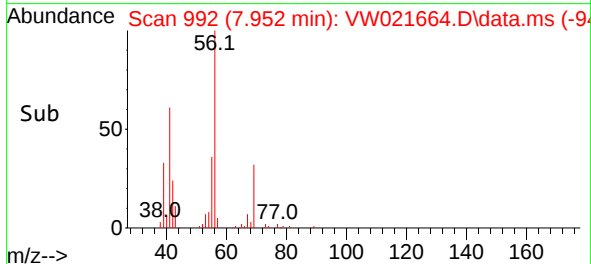
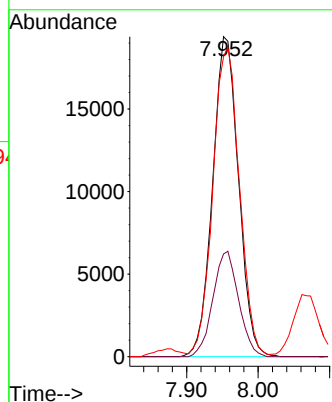


#29
Cyclohexane
Concen: 21.987 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Instrument :
MSVOA_W
ClientSampleId :

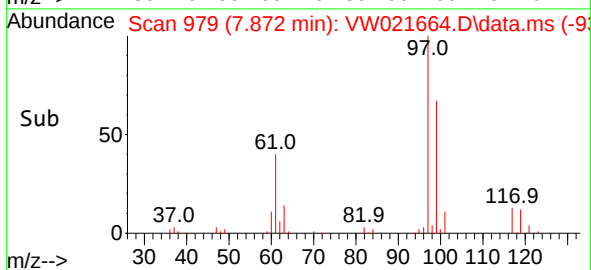
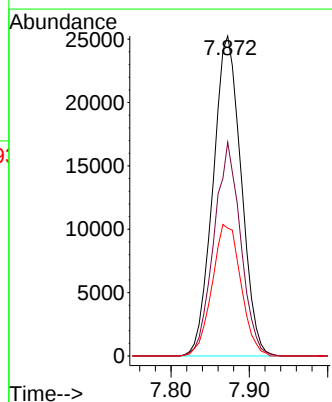
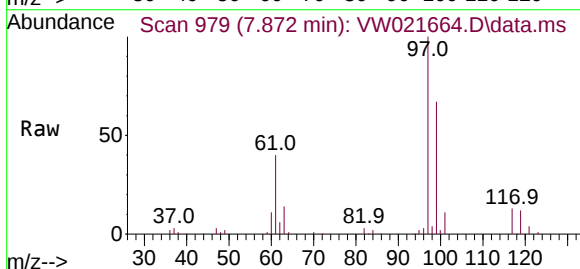


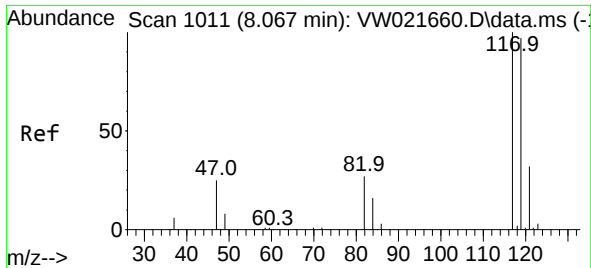
Tgt Ion: 56 Resp: 48756
Ion Ratio Lower Upper
56 100
69 32.5 23.5 35.3
84 99.3 63.4 95.2#



#30
1,1,1-Trichloroethane
Concen: 25.229 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 97 Resp: 63065
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 42.1 40.9 61.3

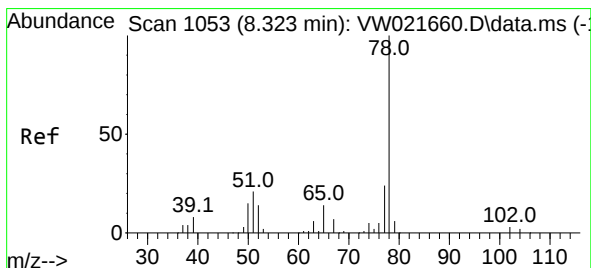
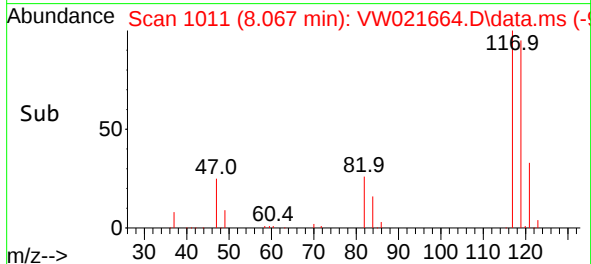
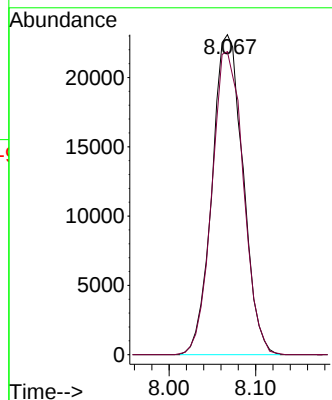
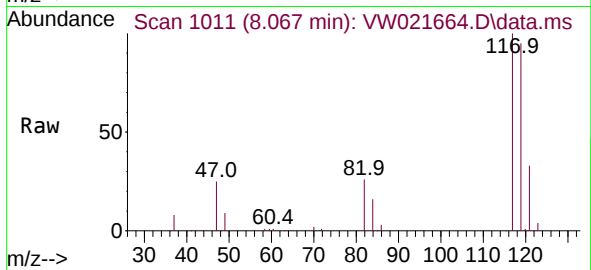




#31
Carbon tetrachloride
Concen: 24.831 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

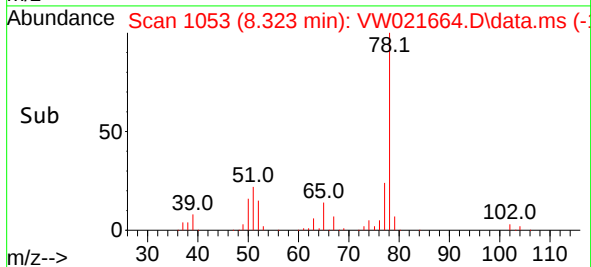
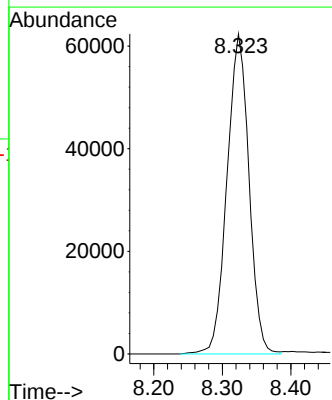
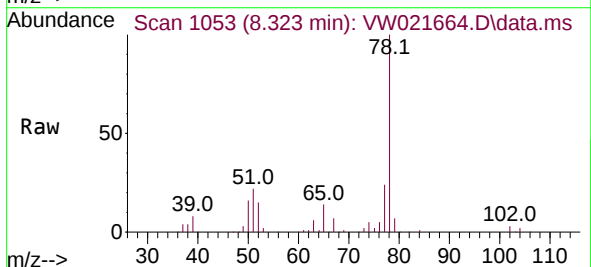
Instrument :
MSVOA_W
ClientSampleId :

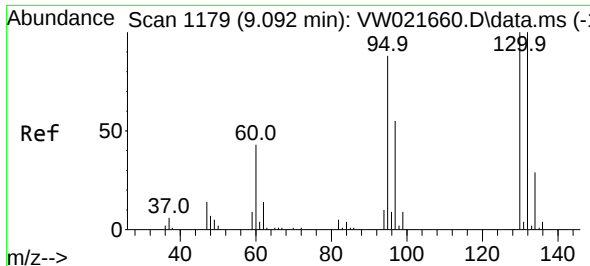
Tgt Ion:117 Resp: 57258
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5



#33
Benzene
Concen: 22.876 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

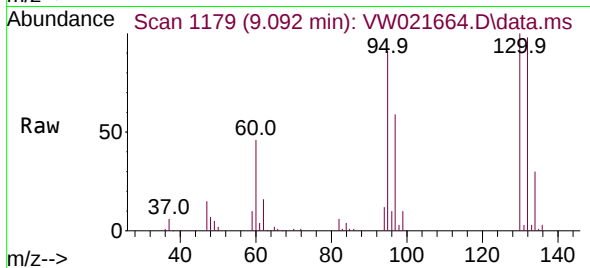
Tgt Ion: 78 Resp: 138835





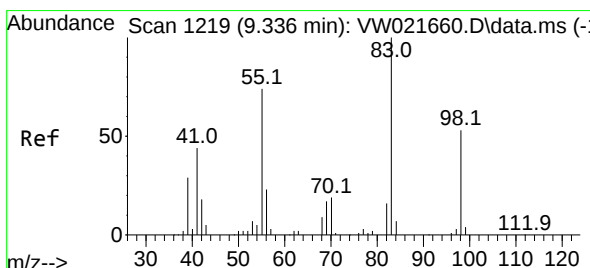
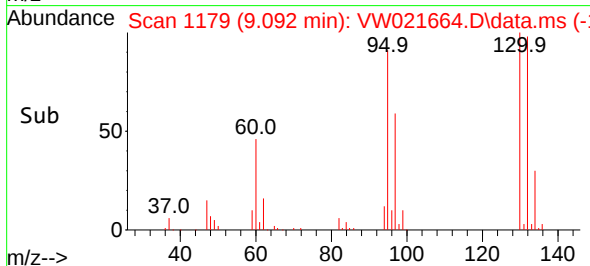
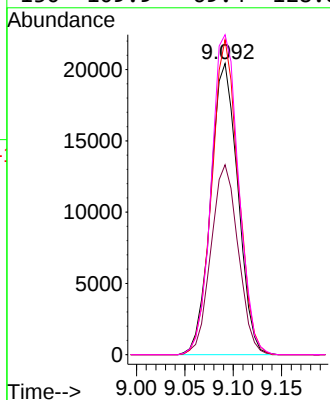
#34
Trichloroethene
Concen: 23.522 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 40074

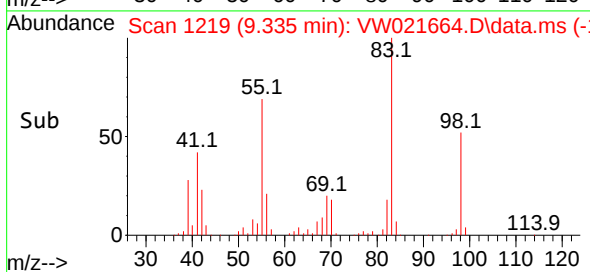
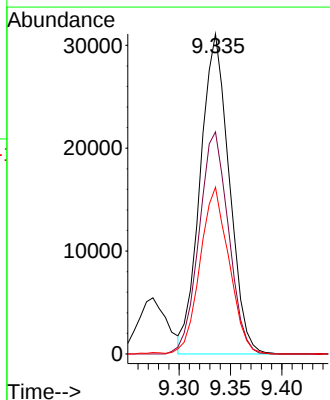
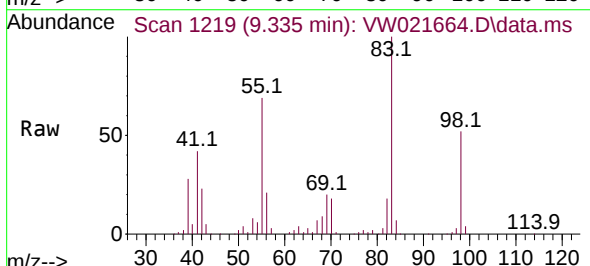
Ion	Ratio	Lower	Upper
95	100		
97	65.3	47.0	87.2
132	108.2	65.5	121.6
130	109.9	69.4	128.8

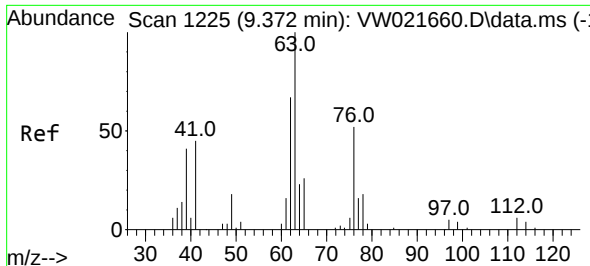


#35
Methylcyclohexane
Concen: 21.716 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 83 Resp: 61029

Ion	Ratio	Lower	Upper
83	100		
55	70.5	70.8	106.2#
98	52.2	37.7	56.5





#37

1,2-Dichloropropane

Concen: 24.607 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

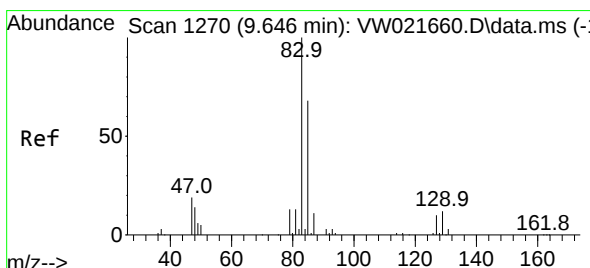
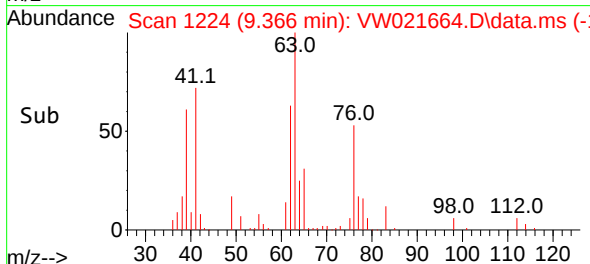
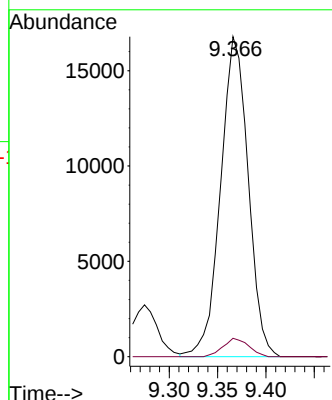
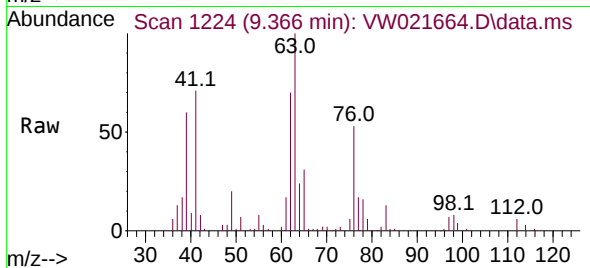
ClientSampleId :

Tgt Ion: 63 Resp: 33311

Ion Ratio Lower Upper

63 100

112 5.3 3.2 4.8#



#38

Bromodichloromethane

Concen: 27.201 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

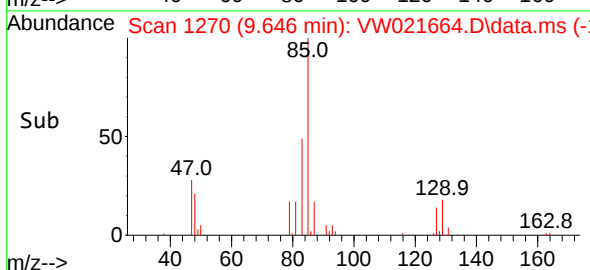
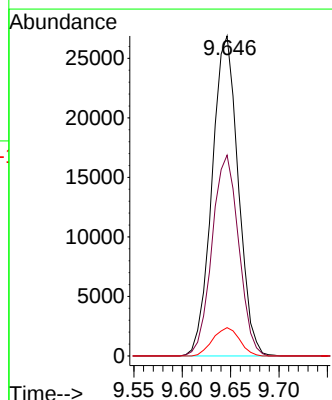
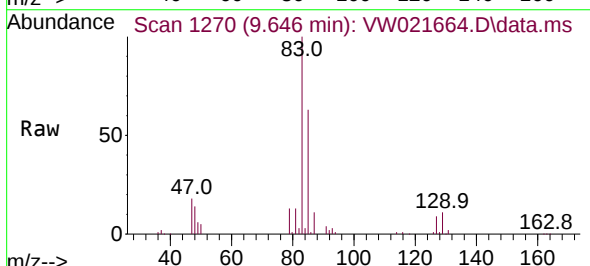
Tgt Ion: 83 Resp: 50630

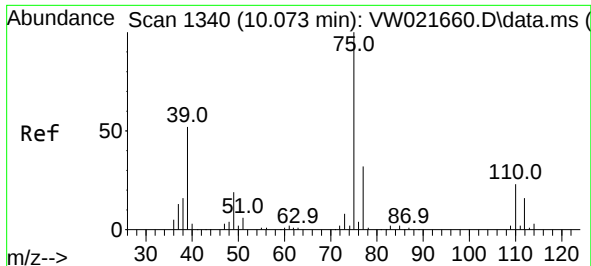
Ion Ratio Lower Upper

83 100

85 62.8 44.1 81.9

127 8.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 26.335 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

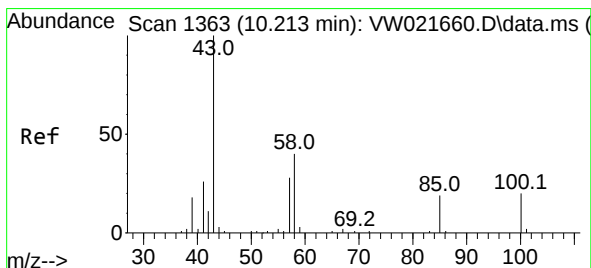
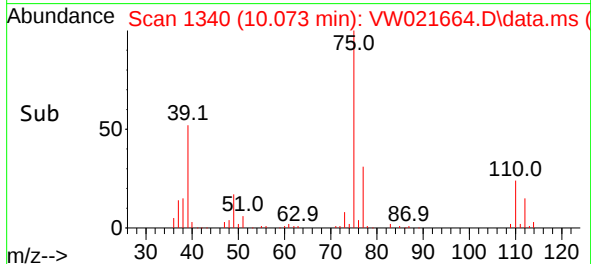
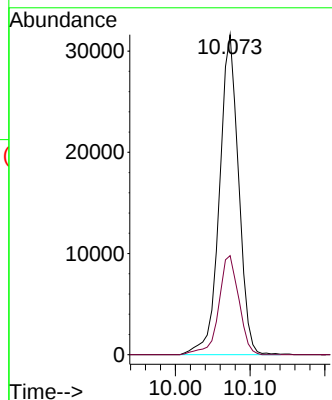
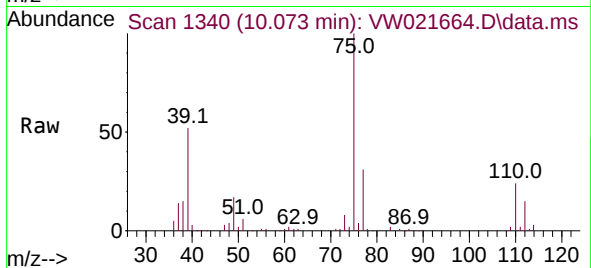
ClientSampleId :

Tgt Ion: 75 Resp: 56197

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 54.275 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

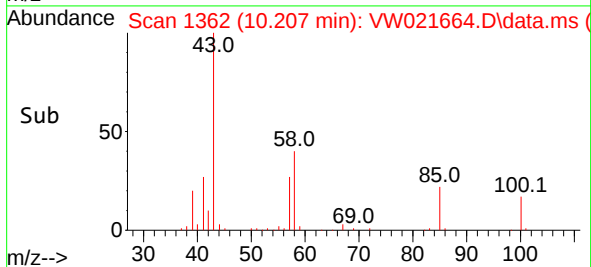
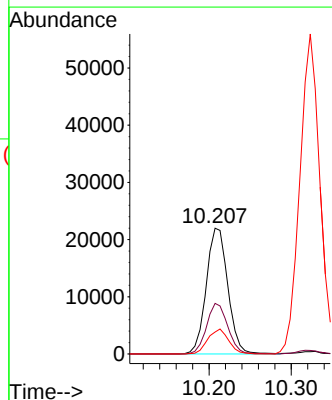
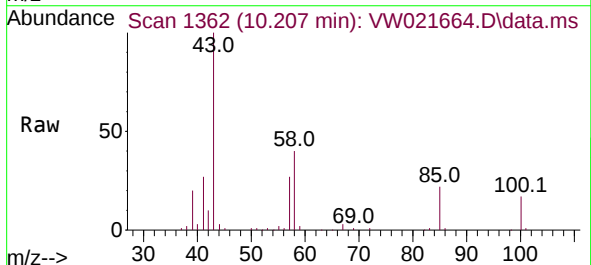
Tgt Ion: 43 Resp: 40034

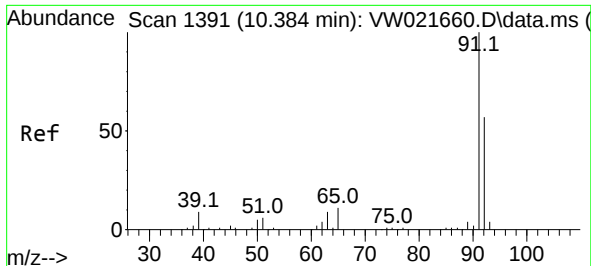
Ion Ratio Lower Upper

43 100

58 39.4 28.8 43.2

100 19.1 10.0 15.0#

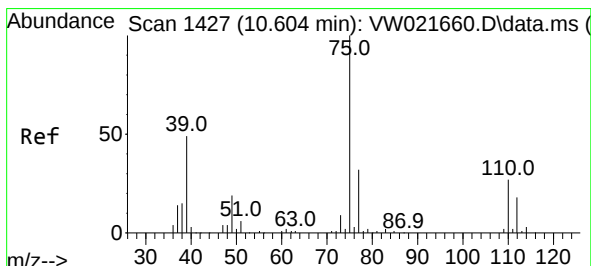
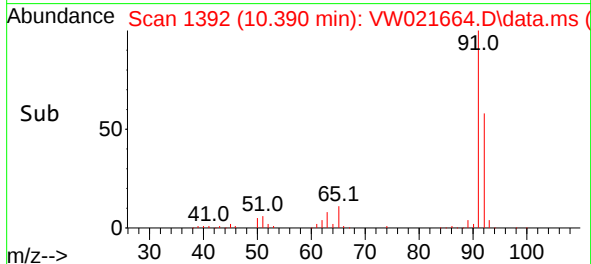
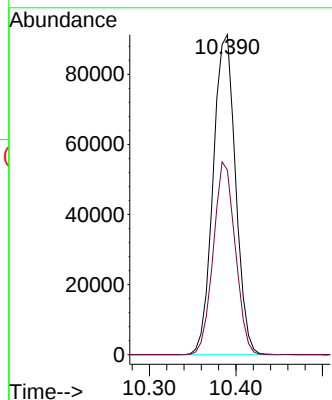
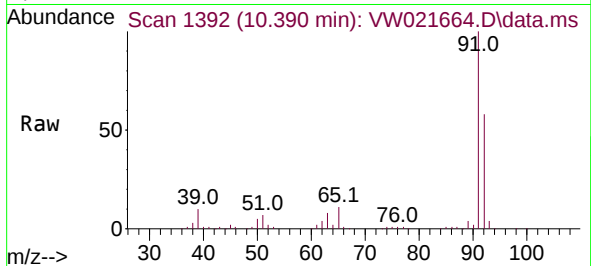




#42
Toluene
Concen: 23.110 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

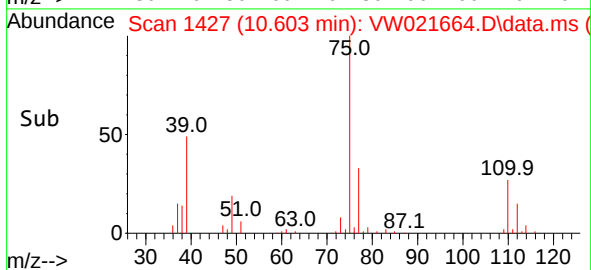
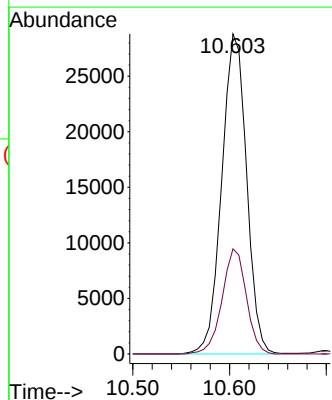
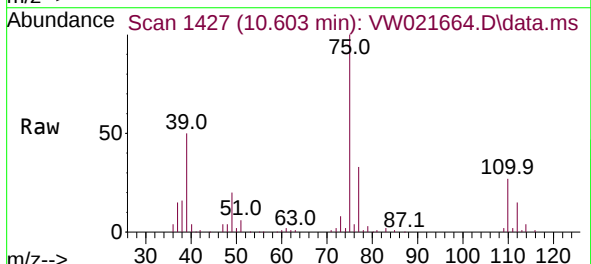
Instrument :
MSVOA_W
ClientSampleId :

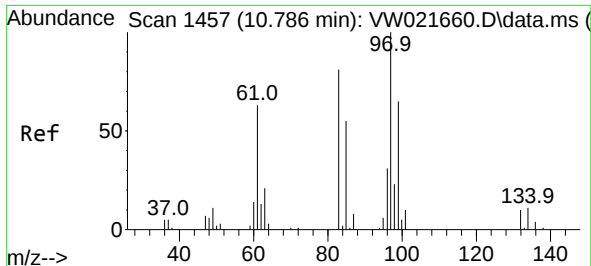
Tgt Ion: 91 Resp: 164032
Ion Ratio Lower Upper
91 100
92 57.7 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 27.471 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 75 Resp: 51346
Ion Ratio Lower Upper
75 100
77 32.8 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 26.824 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 29721

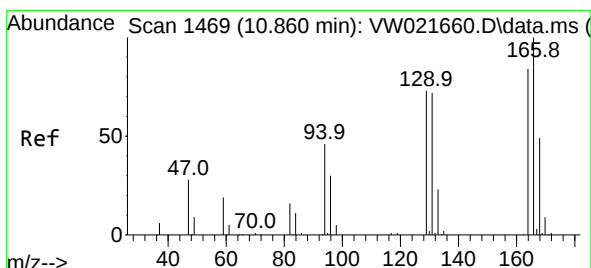
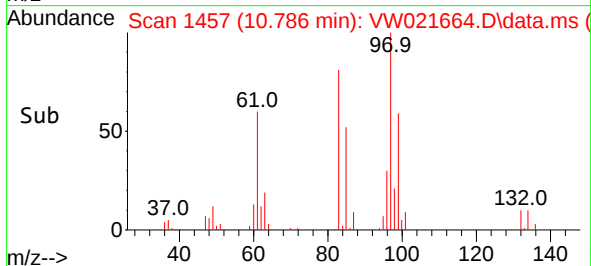
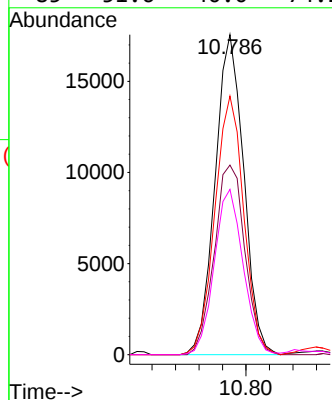
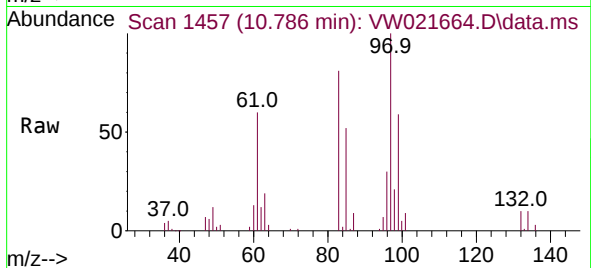
Ion Ratio Lower Upper

97 100

99 59.3 43.0 79.8

83 80.8 62.6 116.3

85 51.6 40.0 74.2



#46

Tetrachloroethene

Concen: 23.050 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Tgt Ion:164 Resp: 37304

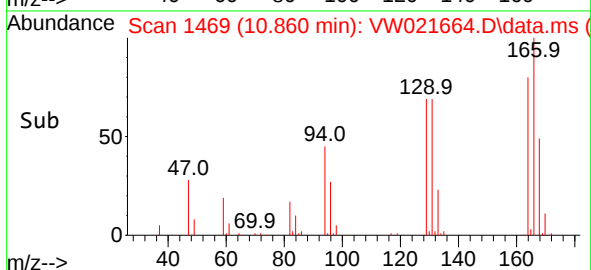
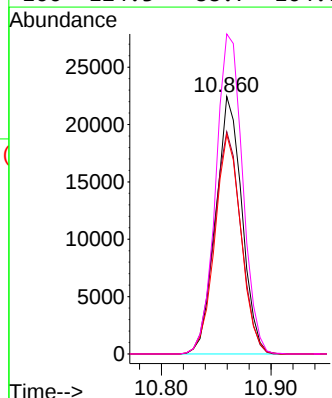
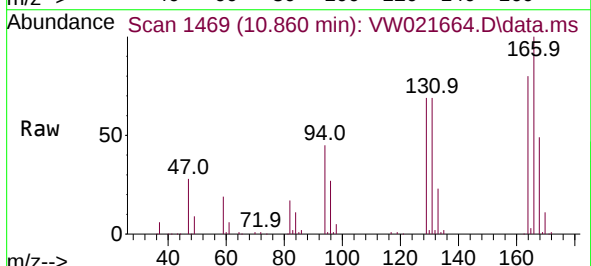
Ion Ratio Lower Upper

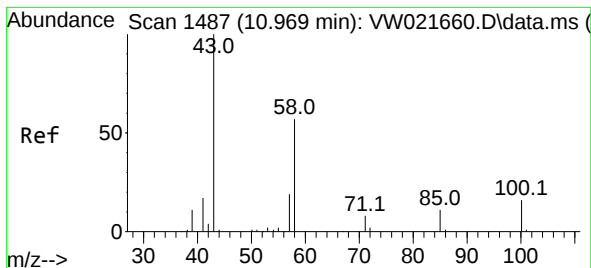
164 100

129 86.3 65.5 121.7

131 85.2 59.7 110.9

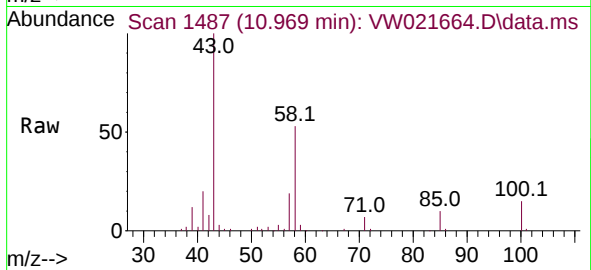
166 124.3 88.7 164.7



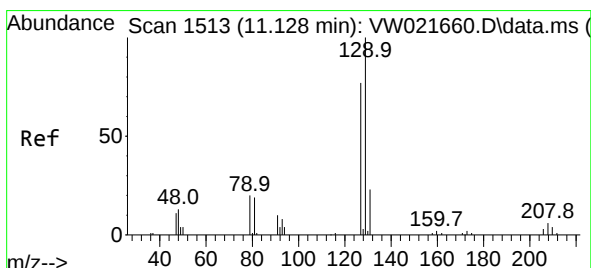
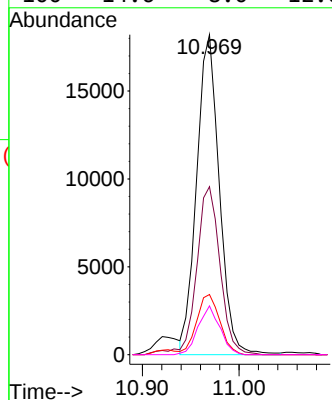
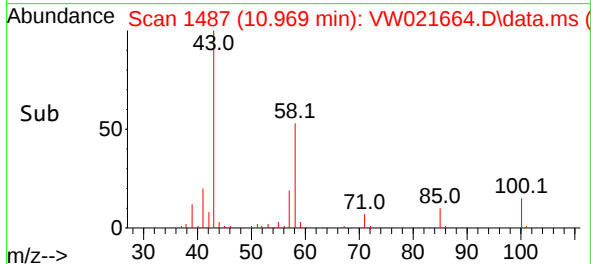


#48
2-Hexanone
Concen: 55.634 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Instrument :
MSVOA_W
ClientSampleId :

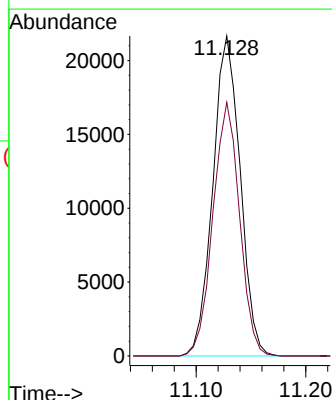
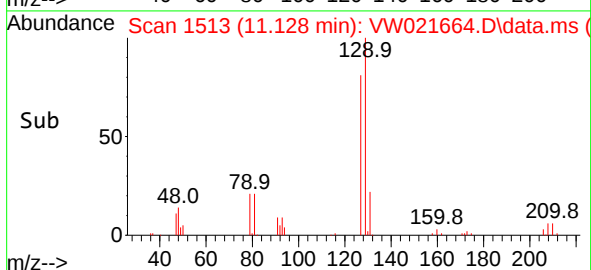
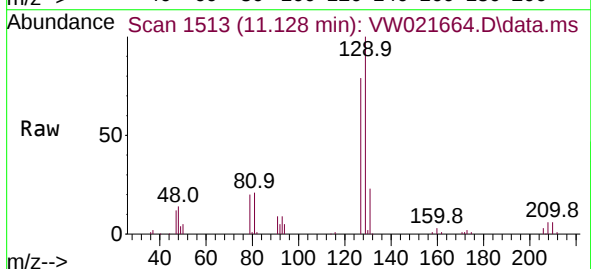


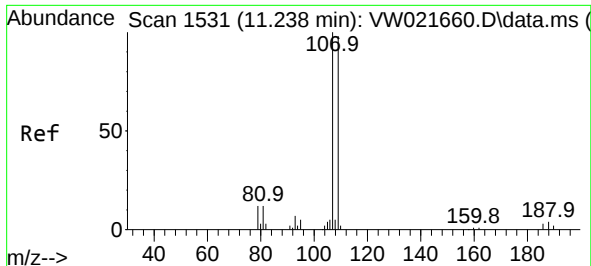
Tgt Ion: 43 Resp: 29759
Ion Ratio Lower Upper
43 100
58 53.4 40.2 60.2
57 19.2 14.3 21.5
100 14.6 8.0 12.0#



#49
Dibromochloromethane
Concen: 27.484 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion: 129 Resp: 37541
Ion Ratio Lower Upper
129 100
127 79.2 55.7 103.5





#50

1,2-Dibromoethane

Concen: 25.543 ug/L

RT: 11.238 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021664.D

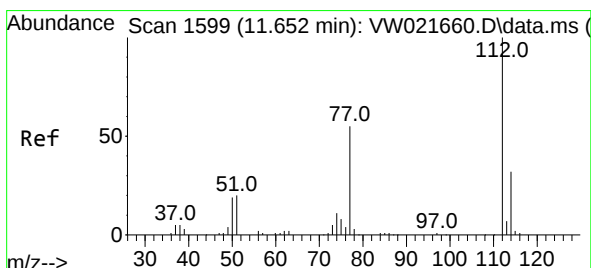
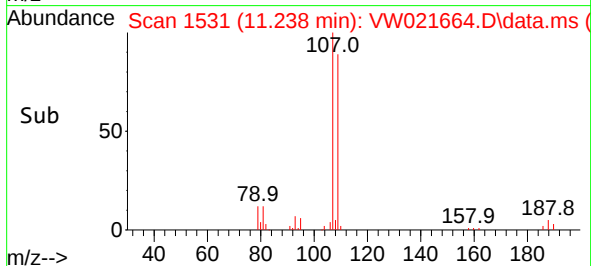
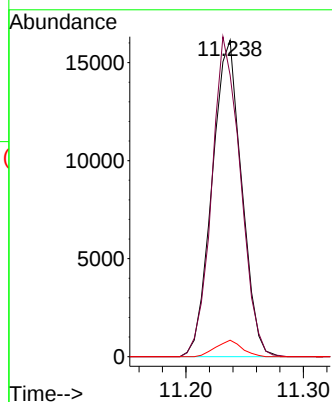
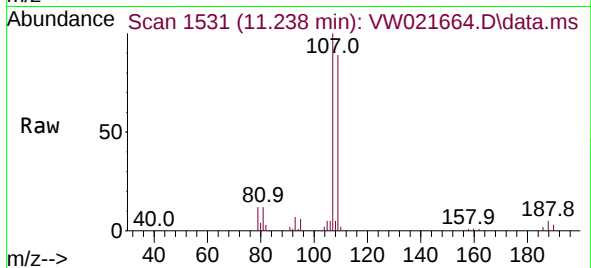
Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	28165
Ion	Ratio	Lower	Upper
107	100		
109	89.0	64.1	119.1
188	5.2	2.6	3.8#



#51

Chlorobenzene

Concen: 24.798 ug/L

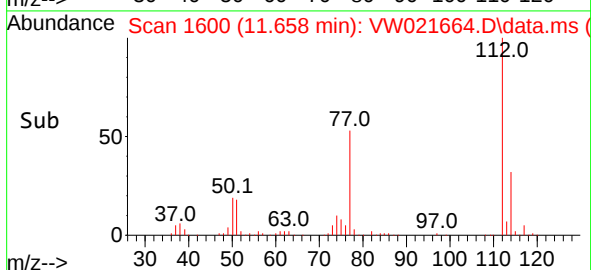
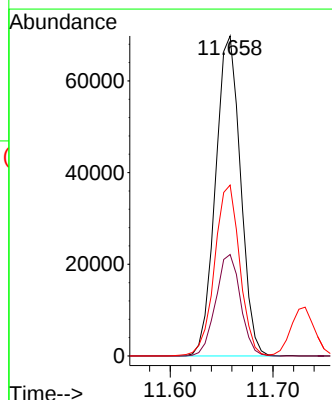
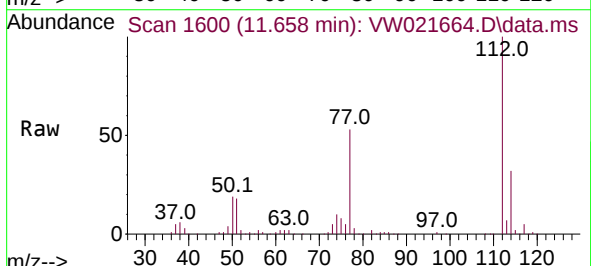
RT: 11.658 min Scan# 1600

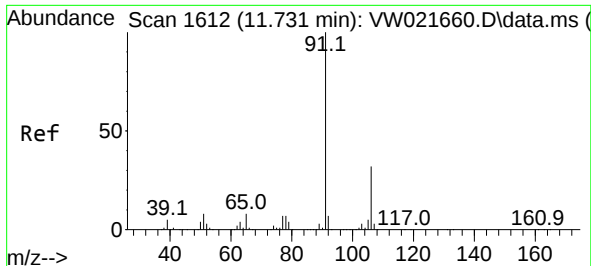
Delta R.T. 0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Tgt Ion:	112	Resp:	117845
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.4	41.6
77	53.4	50.2	75.4

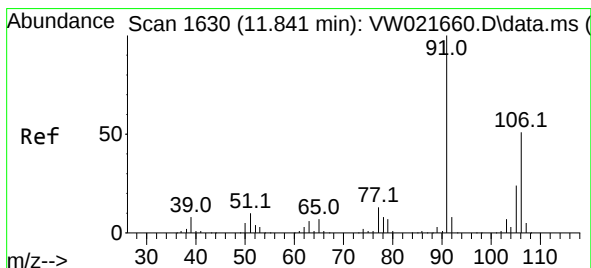
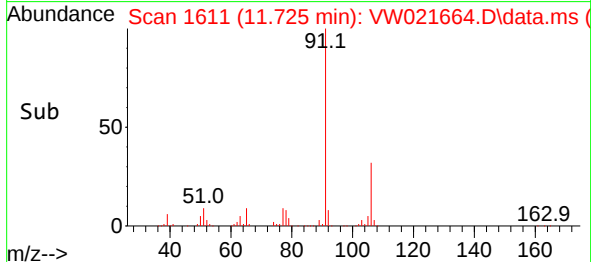
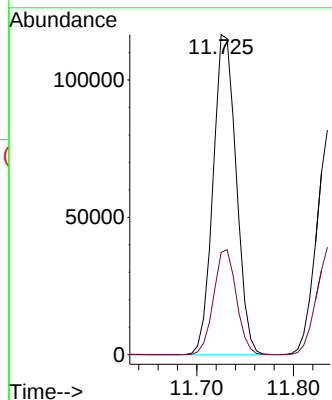
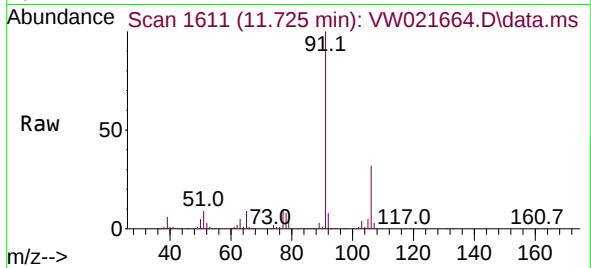




#52
Ethylbenzene
Concen: 23.857 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

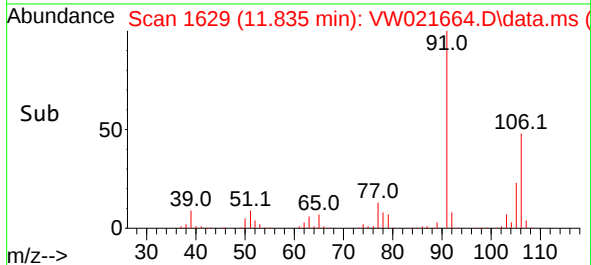
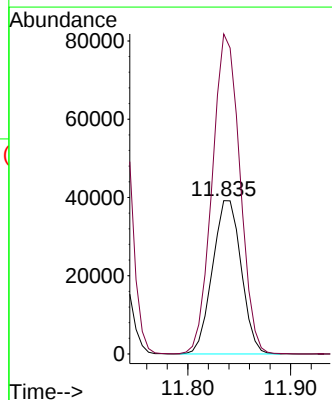
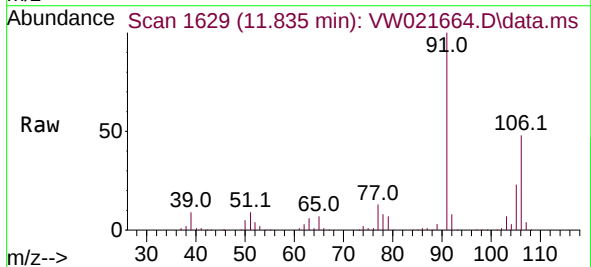
Instrument :
MSVOA_W
ClientSampleId :

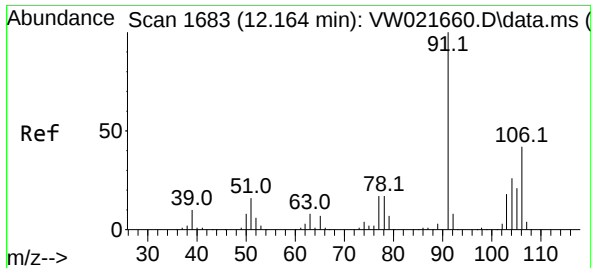
Tgt Ion: 91 Resp: 193512
Ion Ratio Lower Upper
91 100
106 31.9 21.5 39.9



#53
m,p-Xylene
Concen: 23.238 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion:106 Resp: 76038
Ion Ratio Lower Upper
106 100
91 208.8 149.9 278.3

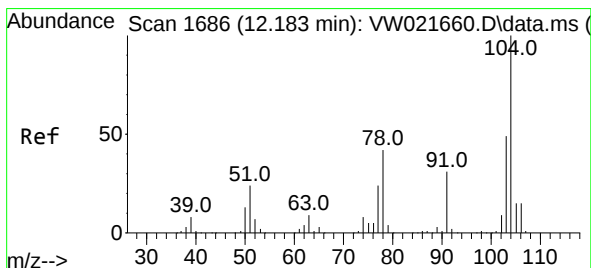
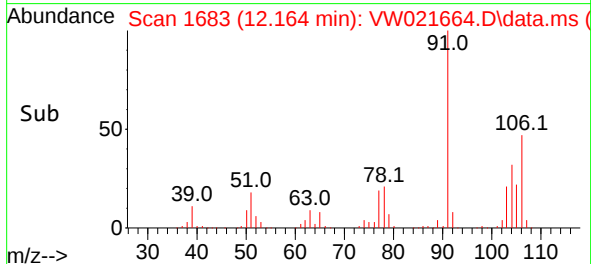
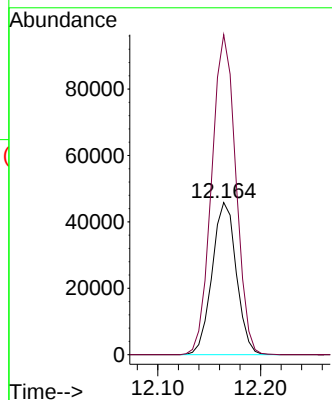
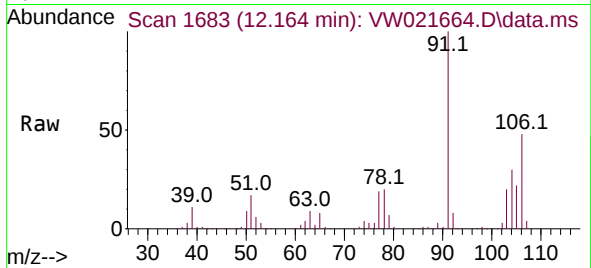




#54
o-Xylene
Concen: 24.113 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

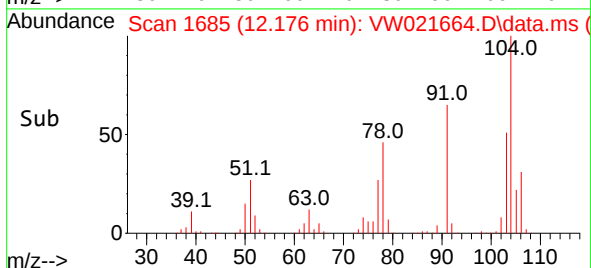
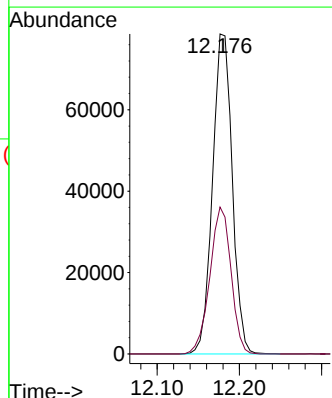
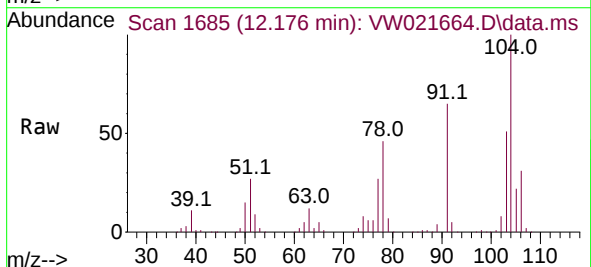
Instrument :
MSVOA_W
ClientSampleId :

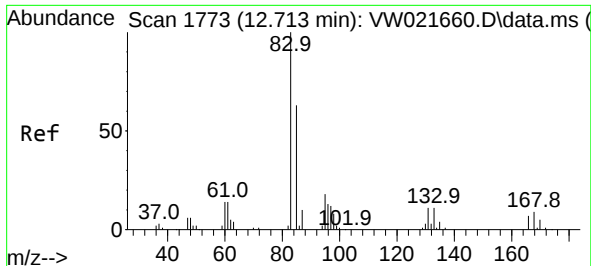
Tgt Ion:106 Resp: 74882
Ion Ratio Lower Upper
106 100
91 210.4 153.6 285.3



#55
Styrene
Concen: 24.882 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion:104 Resp: 131507
Ion Ratio Lower Upper
104 100
78 45.9 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 27.484 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW021664.D

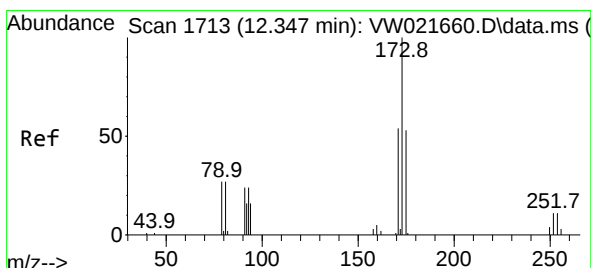
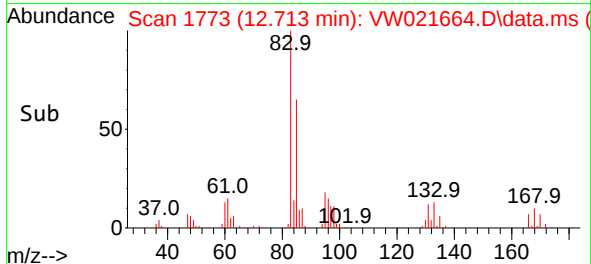
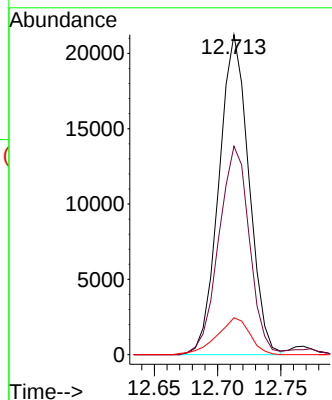
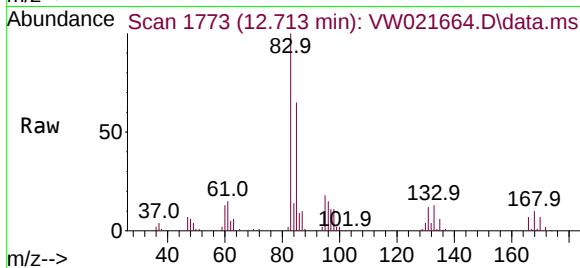
Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	83	Resp:	34909
Ion Ratio	Lower	Upper	
83	100		
85	65.2	44.0	81.6
131	11.6	6.9	10.3#



#59

Bromoform

Concen: 28.306 ug/L

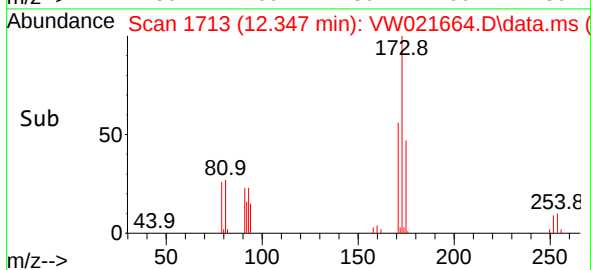
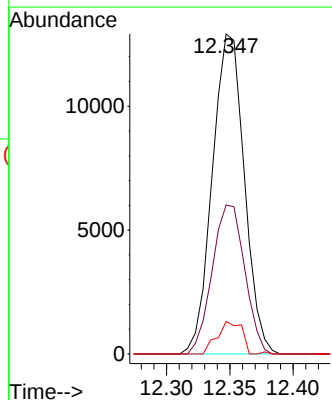
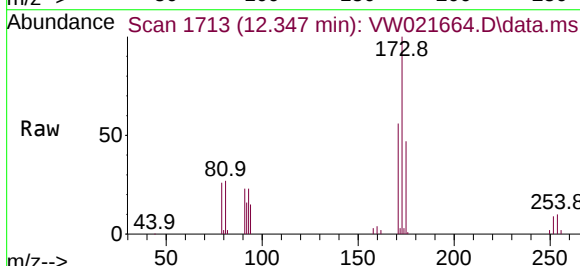
RT: 12.347 min Scan# 1713

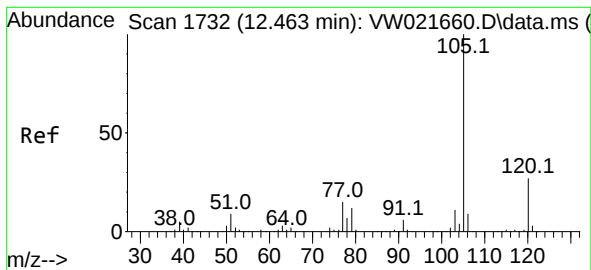
Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Tgt Ion:	173	Resp:	22698
Ion Ratio	Lower	Upper	
173	100		
175	47.3	39.6	59.4
254	7.8	7.4	11.0





#60

Isopropylbenzene

Concen: 23.010 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

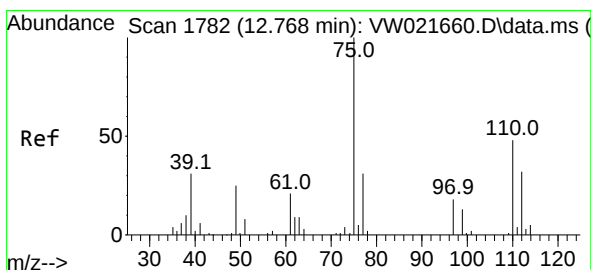
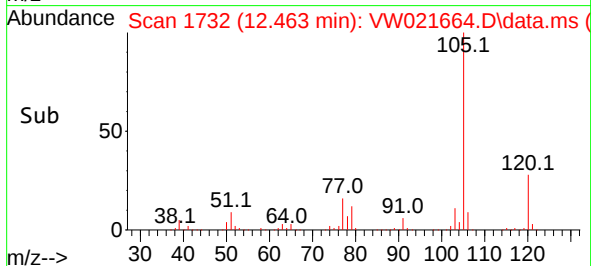
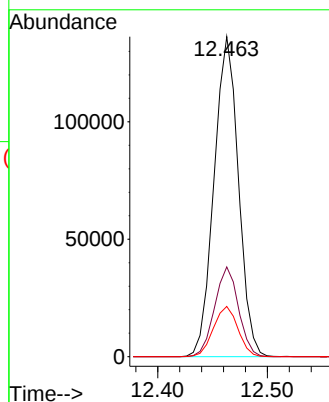
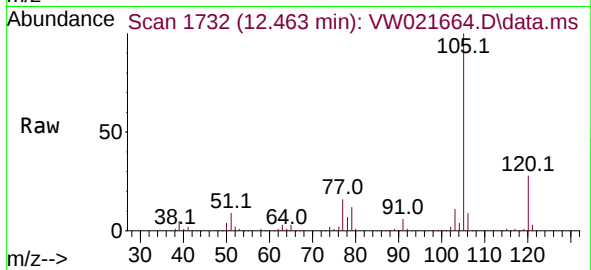
Tgt Ion:105 Resp: 210719

Ion Ratio Lower Upper

105 100

120 27.5 20.1 30.1

77 15.8 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 26.201 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

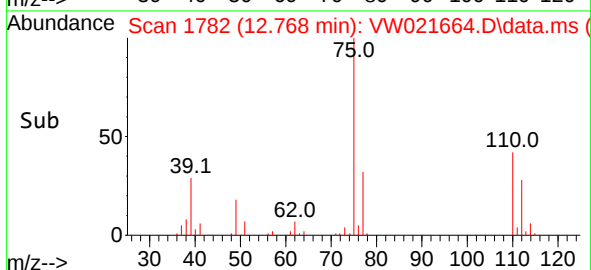
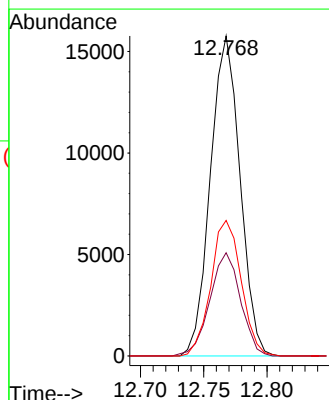
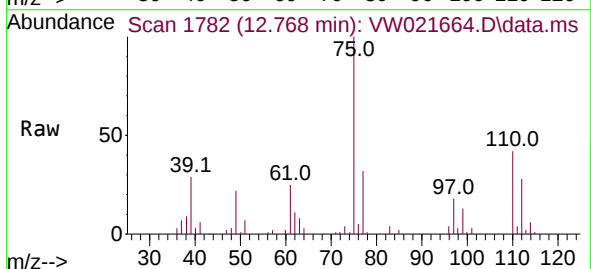
Tgt Ion: 75 Resp: 25699

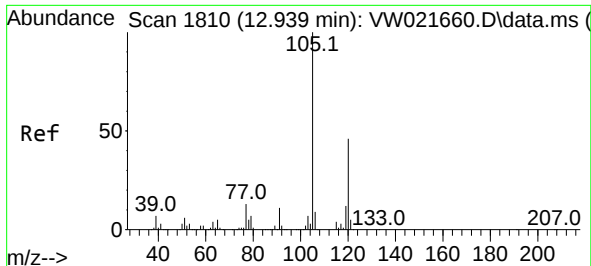
Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8

110 43.3 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 22.768 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

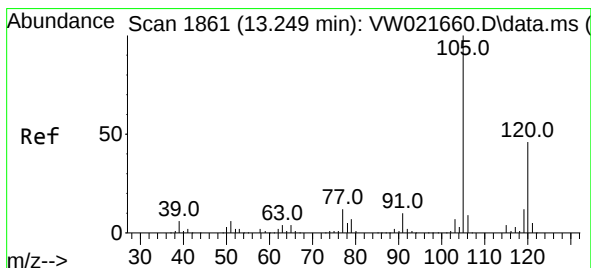
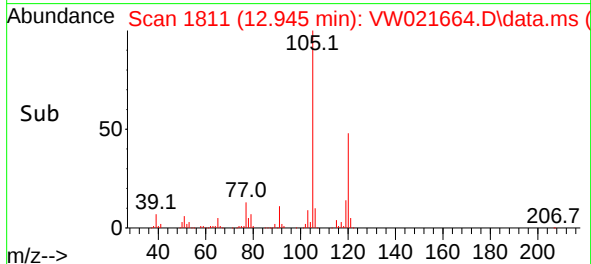
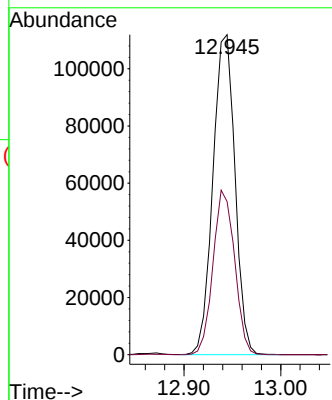
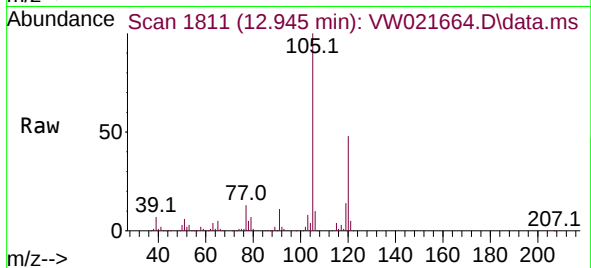
ClientSampleId :

Tgt Ion:105 Resp: 177421

Ion Ratio Lower Upper

105 100

120 50.3 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 22.705 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021664.D

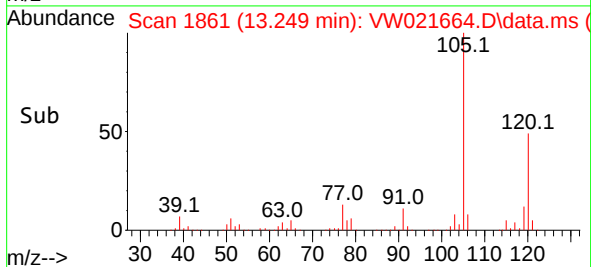
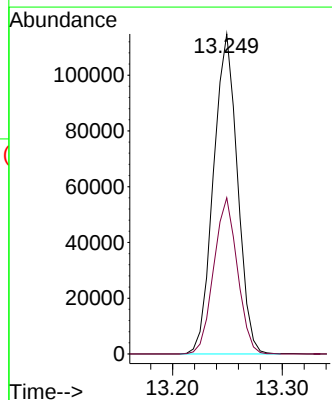
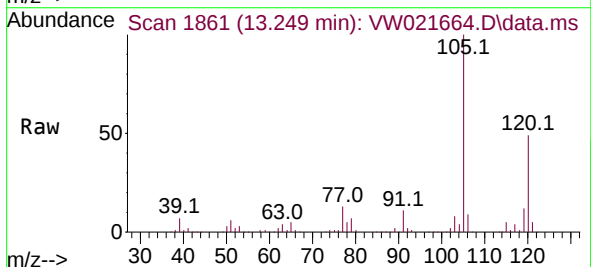
Acq: 27 Dec 2021 18:26

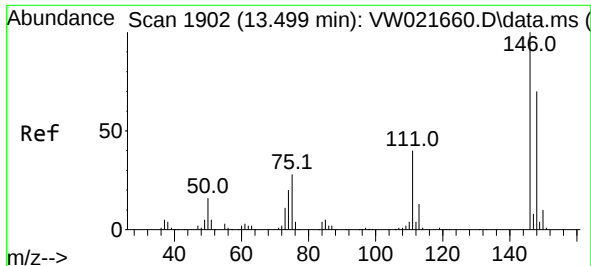
Tgt Ion:105 Resp: 174536

Ion Ratio Lower Upper

105 100

120 48.0 35.0 52.6

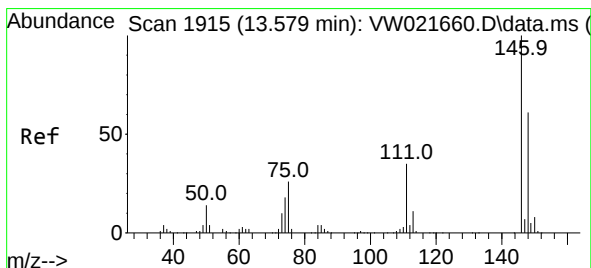
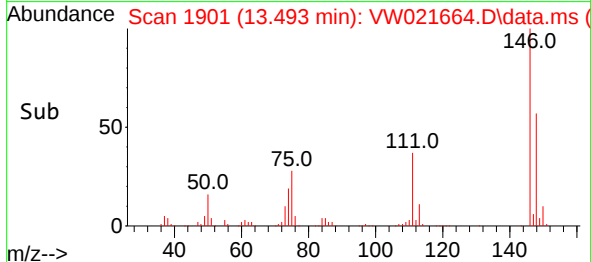
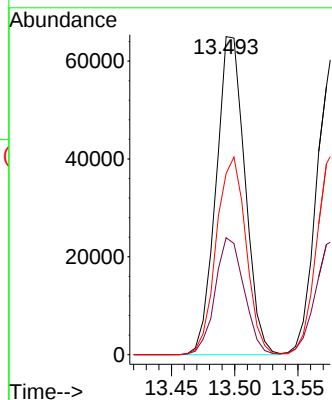
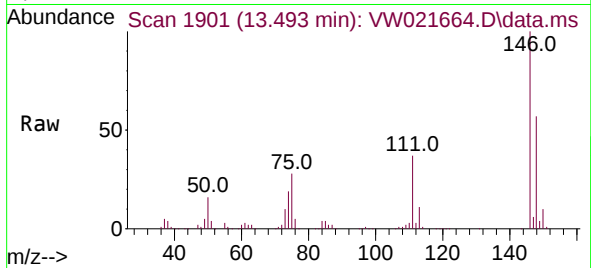




#64
1,3-Dichlorobenzene
Concen: 23.955 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

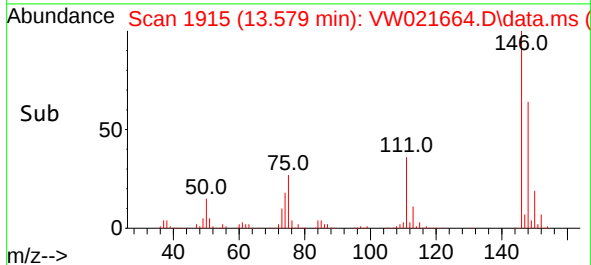
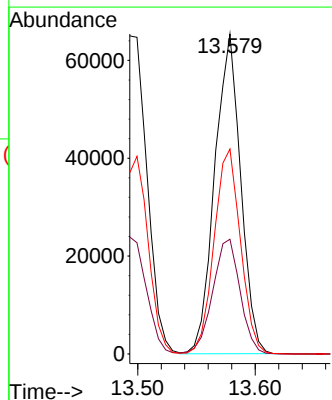
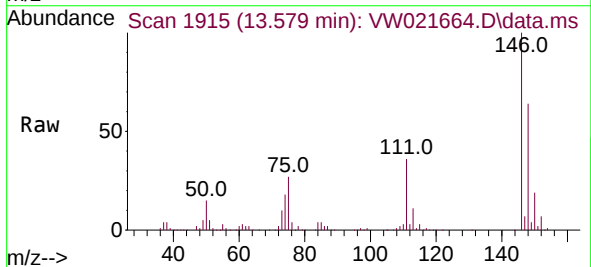
Instrument :
MSVOA_W
ClientSampleId :

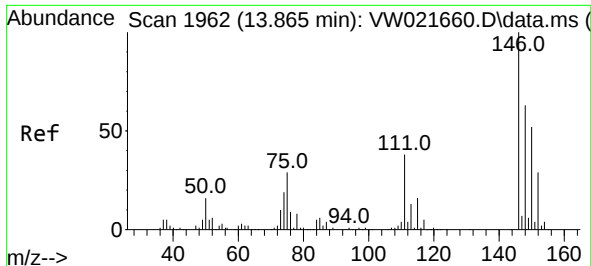
Tgt Ion:146 Resp: 103473
Ion Ratio Lower Upper
146 100
111 36.8 29.8 55.3
148 56.9 46.2 85.8



#65
1,4-Dichlorobenzene
Concen: 23.353 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW021664.D
Acq: 27 Dec 2021 18:26

Tgt Ion:146 Resp: 100221
Ion Ratio Lower Upper
146 100
111 35.8 29.0 53.9
148 64.0 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 24.795 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

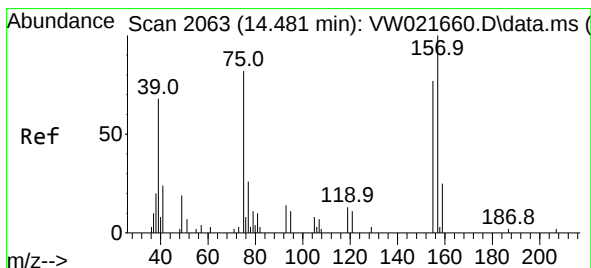
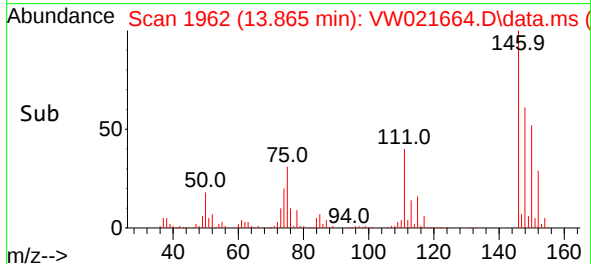
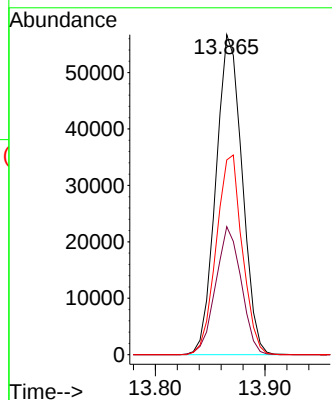
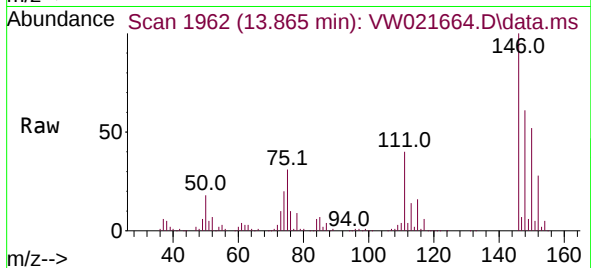
Tgt Ion:146 Resp: 94290

Ion Ratio Lower Upper

146 100

111 40.0 33.1 49.7

148 60.9 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 26.612 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

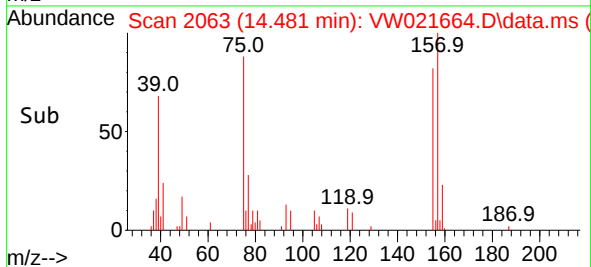
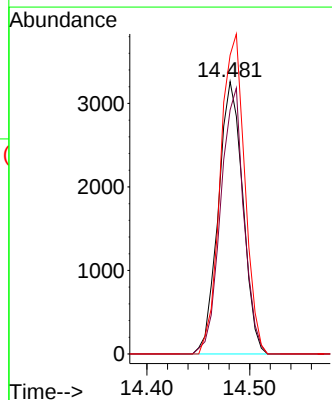
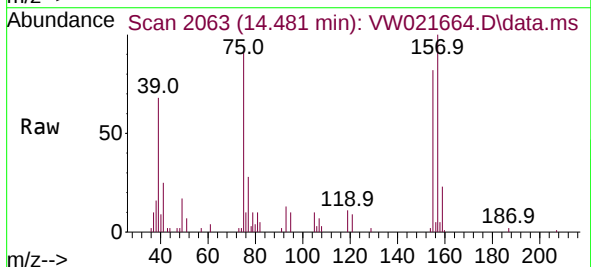
Tgt Ion: 75 Resp: 5384

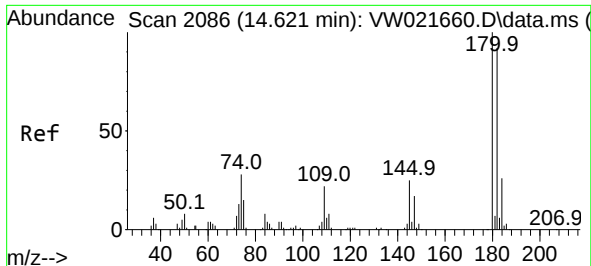
Ion Ratio Lower Upper

75 100

155 89.6 54.2 81.2#

157 109.8 69.4 104.2#





#69

1,3,5-Trichlorobenzene

Concen: 24.733 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

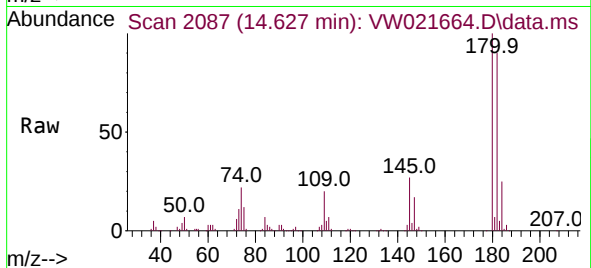
Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 79849

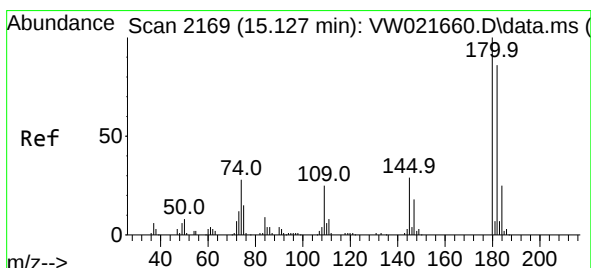
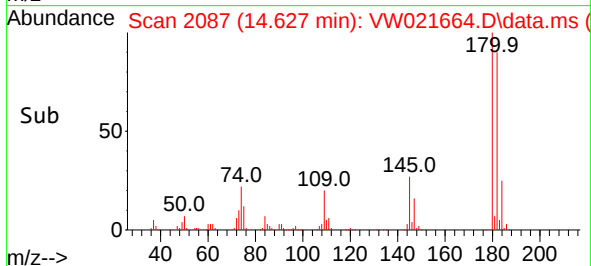
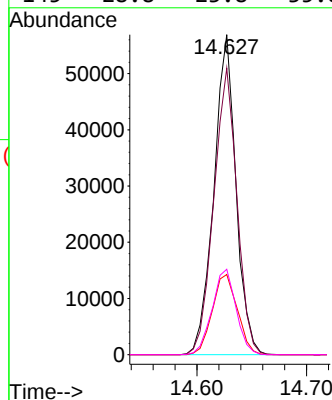
Ion Ratio Lower Upper

180 100

182 93.6 75.4 113.0

184 28.4 23.8 35.8

145 28.8 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 24.239 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

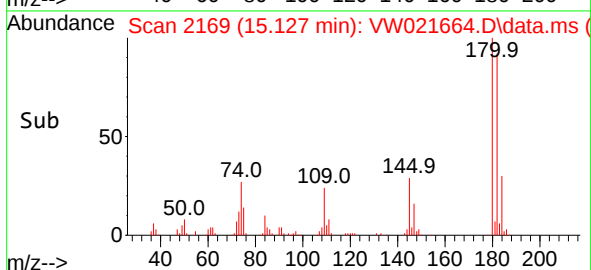
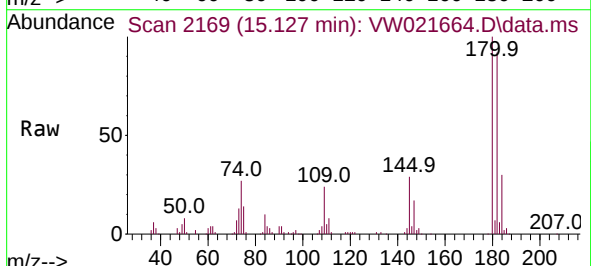
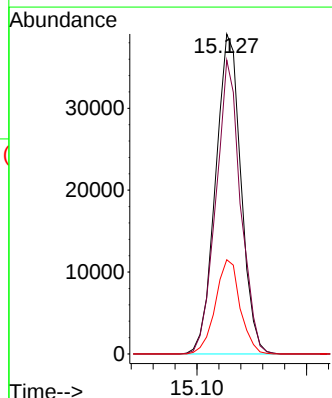
Tgt Ion:180 Resp: 62942

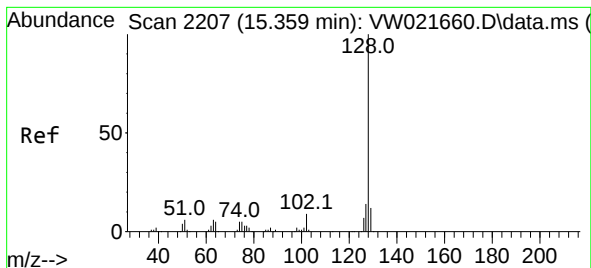
Ion Ratio Lower Upper

180 100

182 89.1 79.0 118.6

145 28.6 26.0 39.0





#71

Naphthalene

Concen: 24.898 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Instrument :

MSVOA_W

ClientSampleId :

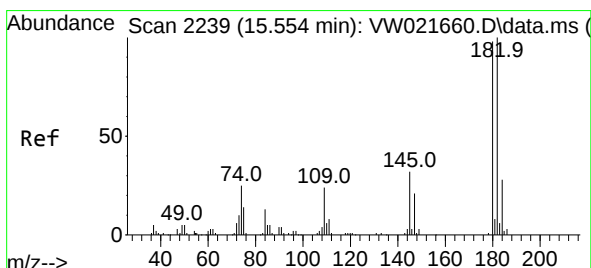
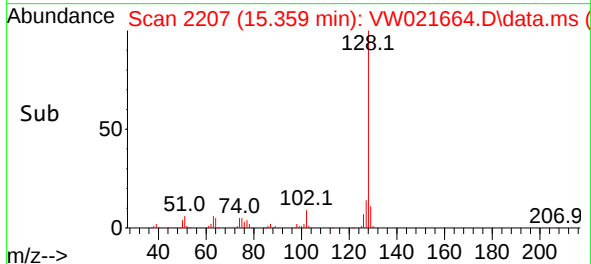
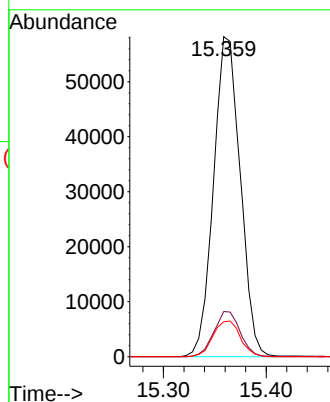
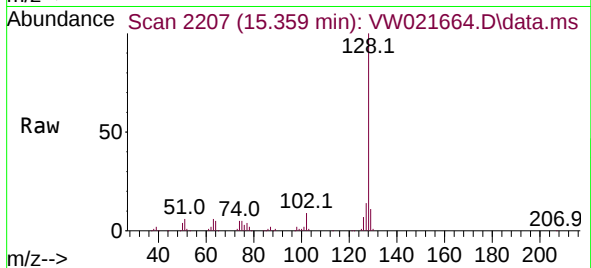
Tgt Ion:128 Resp: 105038

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 11.4 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 24.424 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW021664.D

Acq: 27 Dec 2021 18:26

Tgt Ion:180 Resp: 52413

Ion Ratio Lower Upper

180 100

182 98.5 76.6 114.8

145 30.9 27.4 41.0

