

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017544.D
 Acq On : 04 Dec 2020 09:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 01:40:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419116	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198402	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135015	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.96%
7) Chloroethane-d5	2.90	69	113271	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.40%
10) 1,1-Dichloroethene-d2	4.03	63	292155	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.20%
20) 2-Butanone-d5	7.08	46	60276	51.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.68%
24) Chloroform-d	7.65	84	304740	25.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.36%
26) 1,2-Dichloroethane-d4	8.31	65	151298	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.60%
29) Benzene-d6	8.27	84	570073	24.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.64%
33) 1,2-Dichloropropane-d6	9.27	67	161166	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.80%
37) Toluene-d8	10.32	98	523545	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	10.58	79	71143	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.56%
39) 2-Hexanone-d5	10.93	63	39514	49.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120324	26.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	178851	24.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	79381	19.932	ug/L 91
3) Chloromethane	2.22	50	90017	21.954	ug/L 98
5) Vinyl chloride	2.37	62	131913	25.942	ug/L 97
6) Bromomethane	2.79	94	86339	23.580	ug/L 98
8) Chloroethane	2.93	64	83026	24.302	ug/L 95
9) Trichlorofluoromethane	3.27	101	130578	22.426	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	143041	24.001	ug/L # 70
12) 1,1-Dichloroethene	4.04	96	132813	22.854	ug/L 85
13) Acetone	4.13	43	51341	45.890	ug/L 98
14) Carbon disulfide	4.39	76	387473	23.311	ug/L 99
15) Methyl Acetate	4.67	43	45737	23.486	ug/L 98
16) Methylene chloride	4.92	84	139443	22.160	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	153075	24.489	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	138507	23.185	ug/L 99
19) 1,1-Dichloroethane	6.22	63	242712	24.063	ug/L 98
21) 2-Butanone	7.17	43	65378	48.832	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	145249	23.303	ug/L 98

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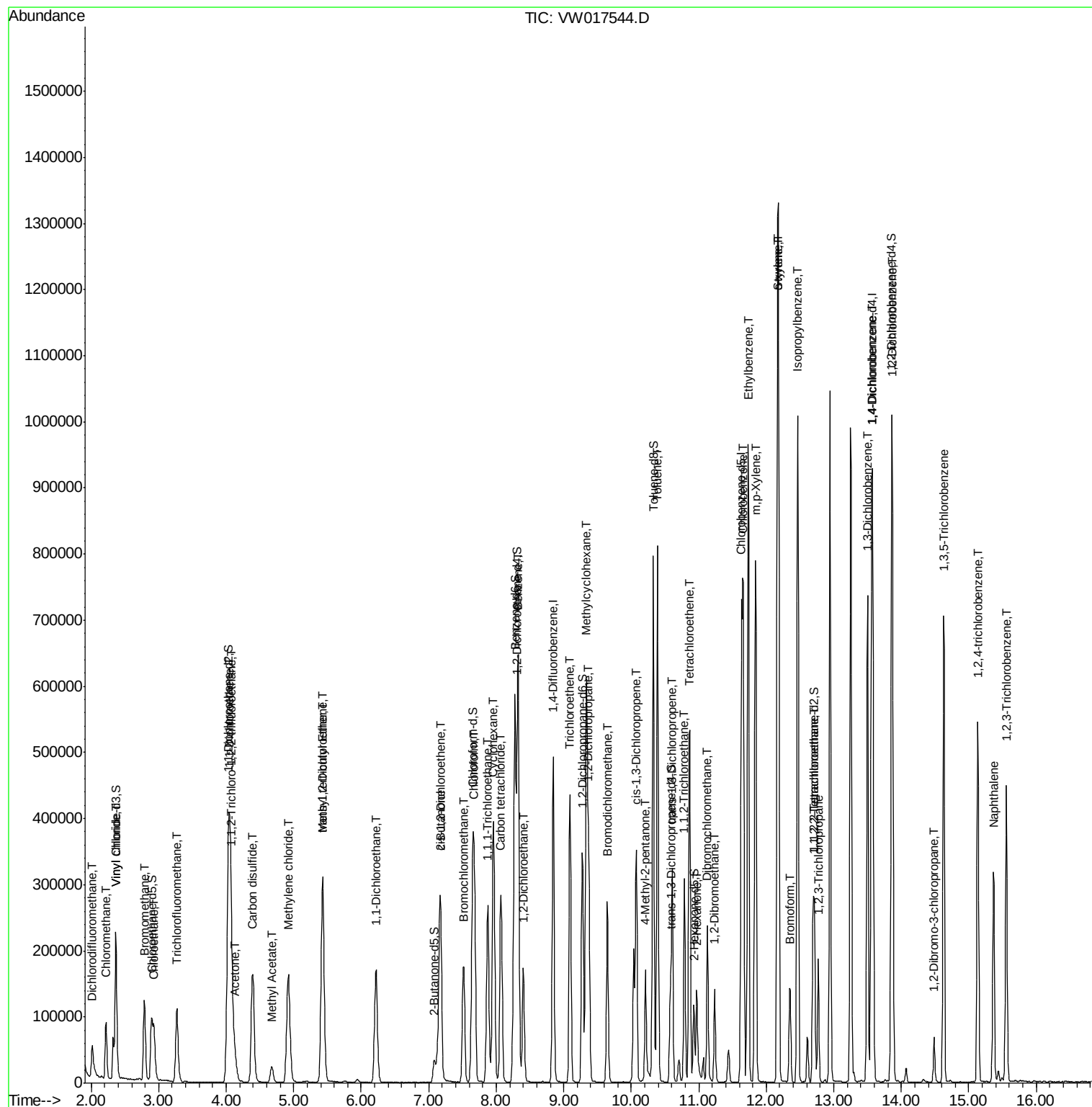
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	64356	22.730	ug/L	96
25) Chloroform	7.68	83	260964	24.508	ug/L	100
27) 1,2-Dichloroethane	8.40	62	157273	24.524	ug/L	97
30) Cyclohexane	7.96	56	216027	24.094	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	220350	24.769	ug/L	98
32) Carbon tetrachloride	8.07	117	220488	25.524	ug/L	99
34) Benzene	8.32	78	547665	24.241	ug/L	100
35) Trichloroethene	9.09	95	148840	23.764	ug/L	98
36) Methylcyclohexane	9.34	83	244585	23.615	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131474	24.776	ug/L	99
41) Bromodichloromethane	9.65	83	180529	24.622	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	204893	24.928	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	121837	49.871	ug/L	95
44) Toluene	10.39	91	592108	24.355	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	178322	25.317	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	96142	24.180	ug/L	98
47) Tetrachloroethene	10.87	164	119654	22.422	ug/L	96
49) 2-Hexanone	10.97	43	87282	50.589	ug/L	91
50) Dibromochloromethane	11.13	129	121590	24.481	ug/L	98
51) 1,2-Dibromoethane	11.24	107	91699	24.064	ug/L	99
52) Chlorobenzene	11.66	112	376625	23.658	ug/L	96
53) Ethylbenzene	11.73	91	671932	24.377	ug/L	99
54) m,p-Xylene	11.84	106	253913	24.144	ug/L	89
55) o-xylene	12.16	106	238669	24.366	ug/L	100
56) Styrene	12.18	104	410329	24.901	ug/L	99
57) Isopropylbenzene	12.46	105	663631	24.666	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	105741	24.708	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	76123	24.099	ug/L	98
62) Bromoform	12.35	173	66233	23.549	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	297315	23.240	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	295699	23.332	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	262990	23.602	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16685	23.257	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	213431	23.289	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	171624	23.165	ug/L	93
69) Naphthalene	15.36	128	273246	23.886	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	150455	24.346	ug/L	99

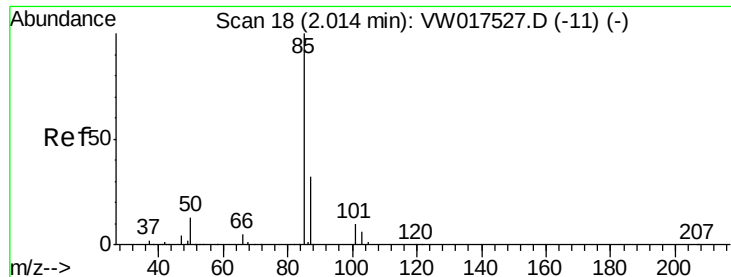
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.932 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

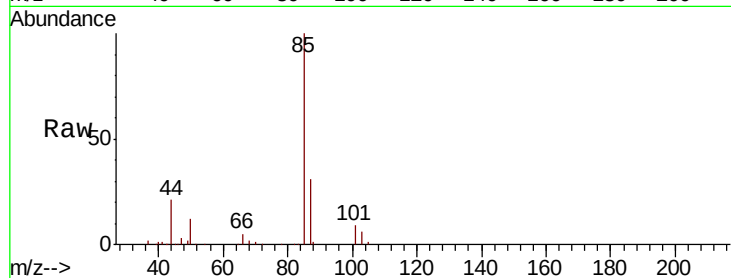
ClientSampleId :

Tot Ion: 85 Resp: 79381

Ion Ratio Lower Upper

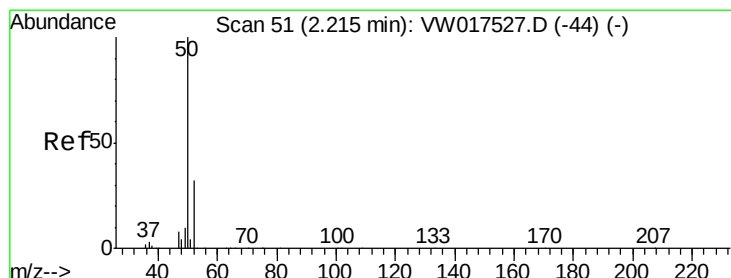
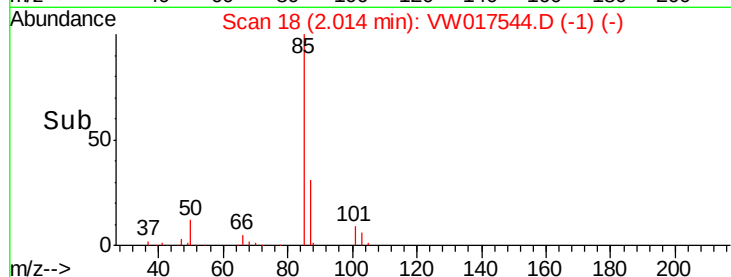
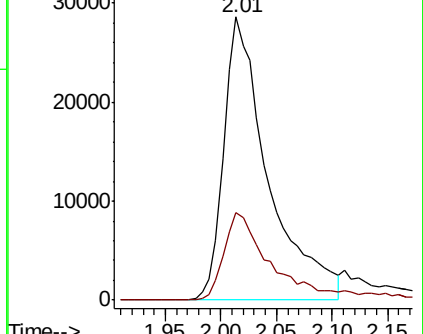
85 100

87 28.1 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.954 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017544.D

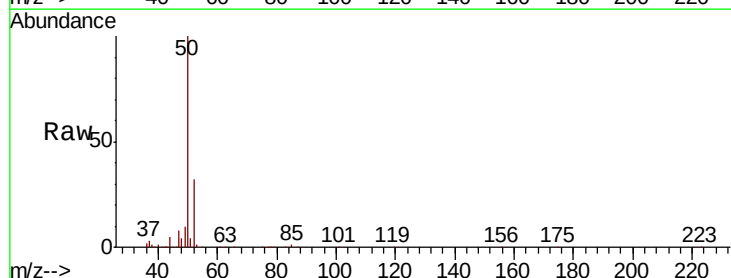
Acq: 04 Dec 2020 09:56

Tgt Ion: 50 Resp: 90017

Ion Ratio Lower Upper

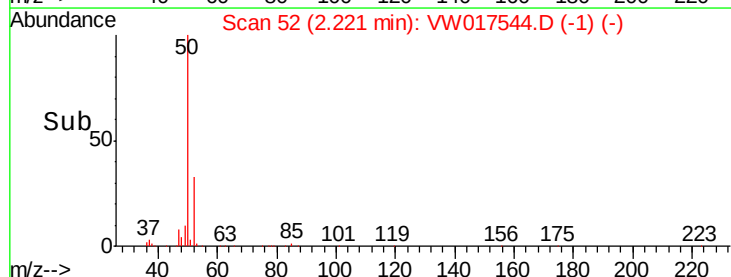
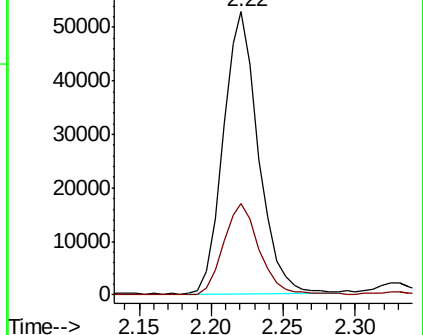
50 100

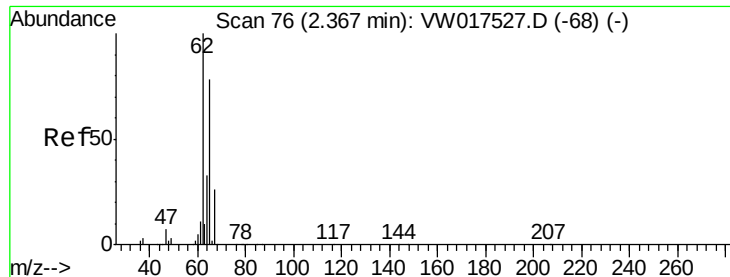
52 32.5 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.942 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

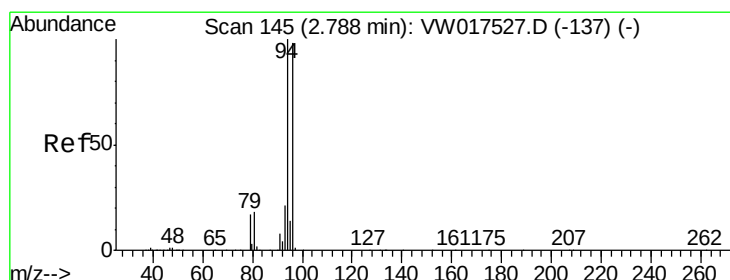
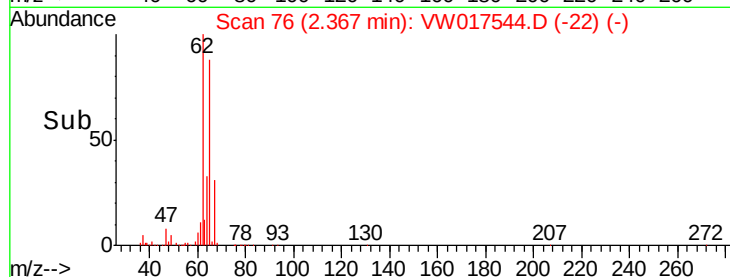
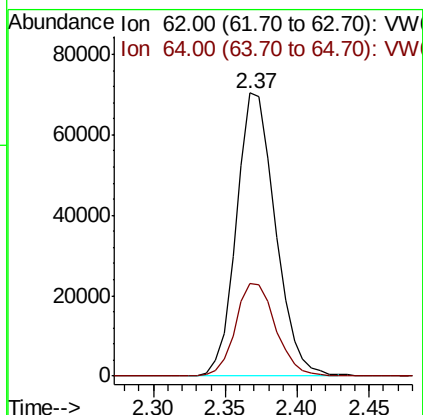
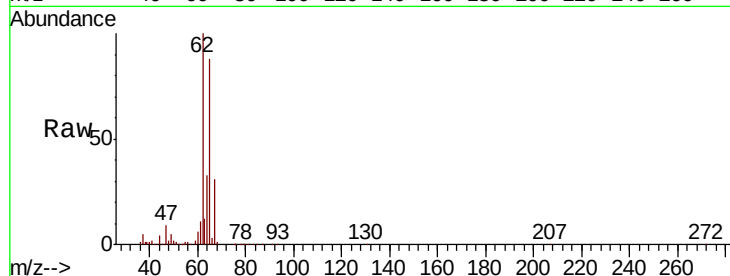
ClientSampled :

Tot Ion: 62 Resp: 131913

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.5



#6

Bromomethane

Concen: 23.580 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017544.D

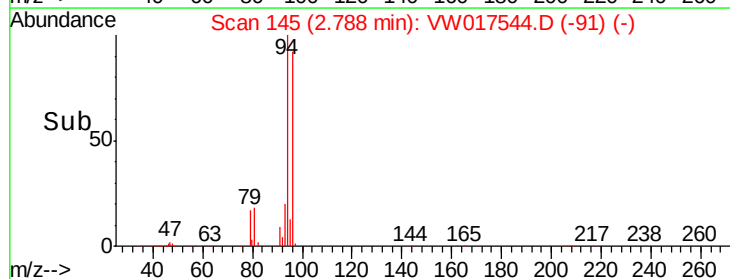
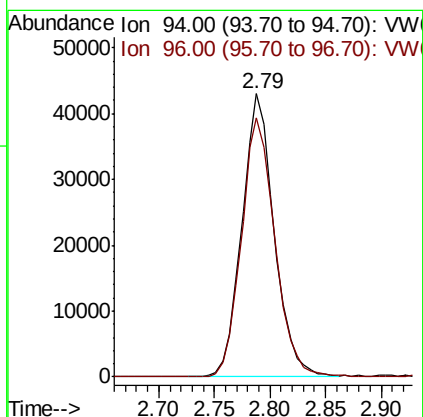
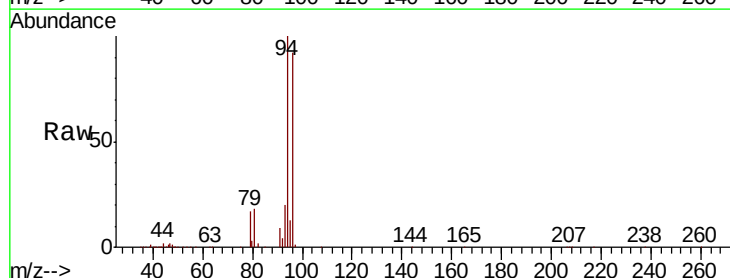
Acq: 04 Dec 2020 09:56

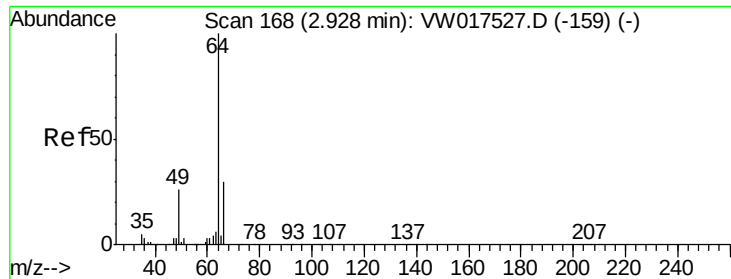
Tgt Ion: 94 Resp: 86339

Ion Ratio Lower Upper

94 100

96 95.2 9.4 178.0

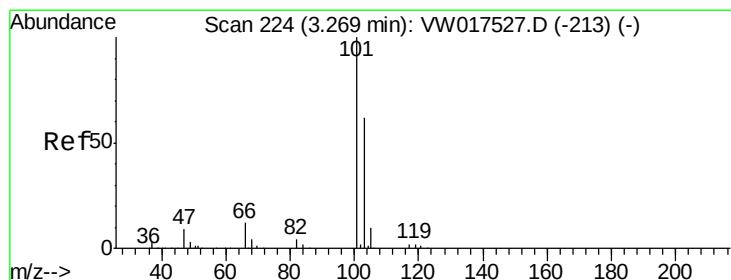
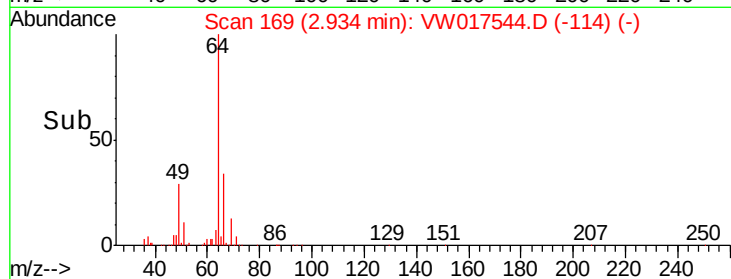
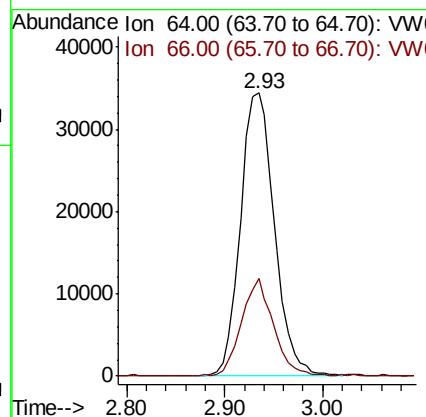
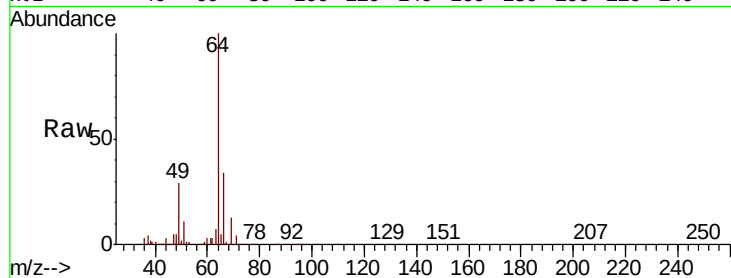




#8
Chloroethane
Concen: 24.302 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

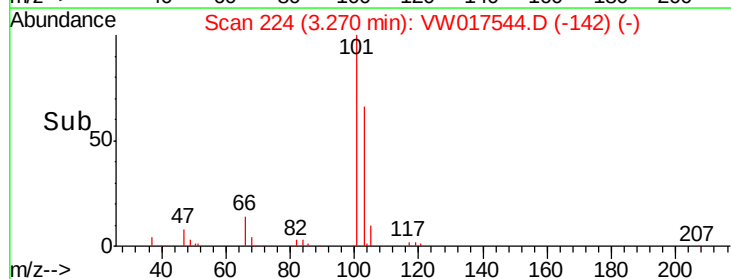
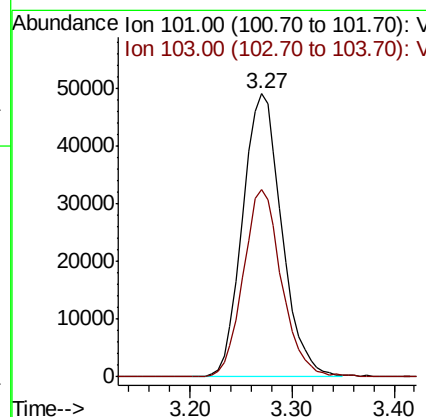
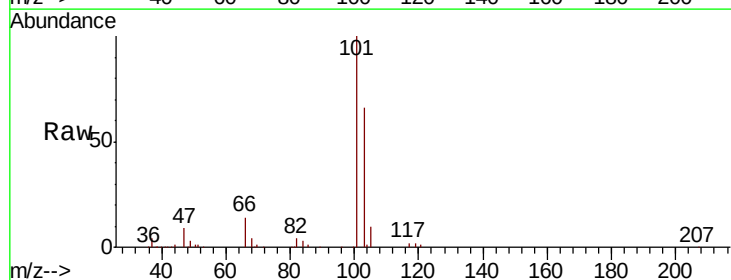
Instrument :
MSVOA_W
ClientSampleId :

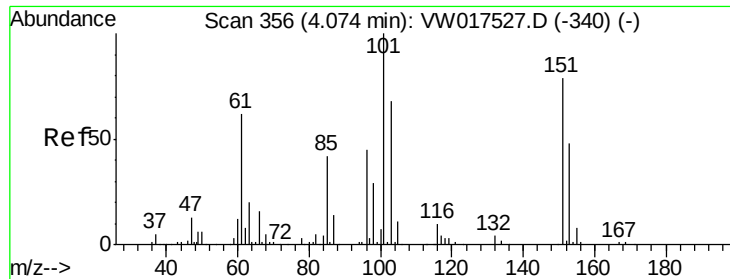
Tot Ion: 64 Resp: 83026
Ion Ratio Lower Upper
64 100
66 34.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.426 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 101 Resp: 130578
Ion Ratio Lower Upper
101 100
103 64.7 45.0 83.6





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.001 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampled :

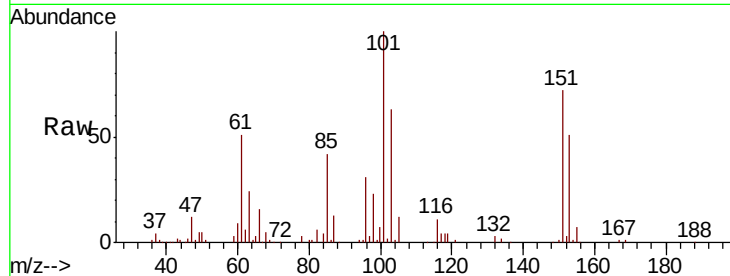
Tot Ion: 101 Resp: 143041

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

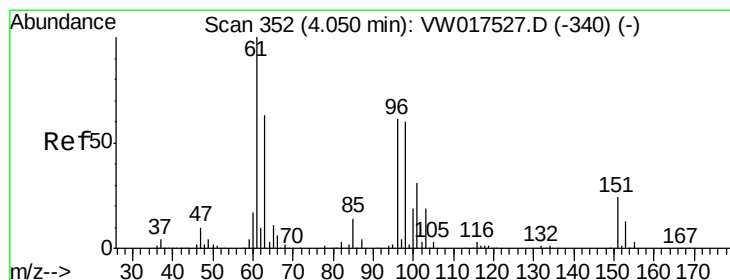
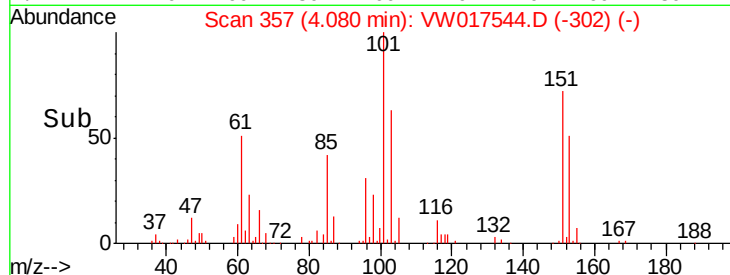
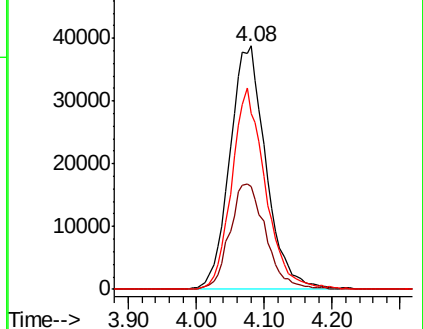
151 76.5 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.854 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

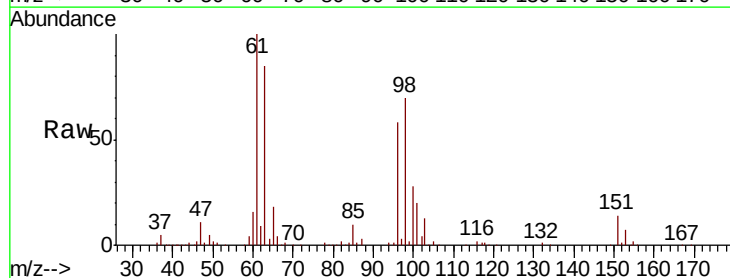
Tgt Ion: 96 Resp: 132813

Ion Ratio Lower Upper

96 100

61 171.8 112.5 208.9

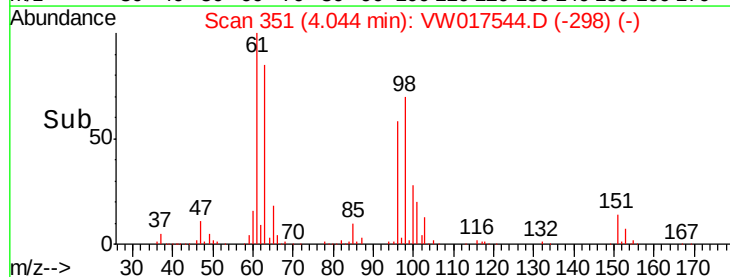
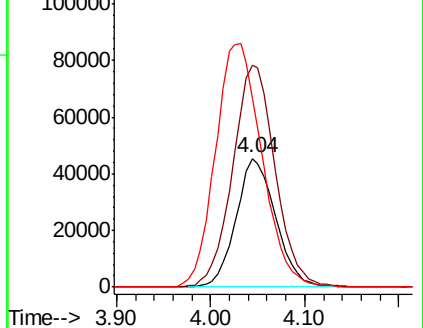
63 145.9 83.1 154.3

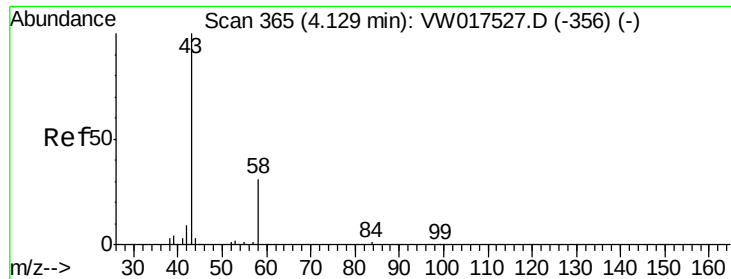


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.890 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

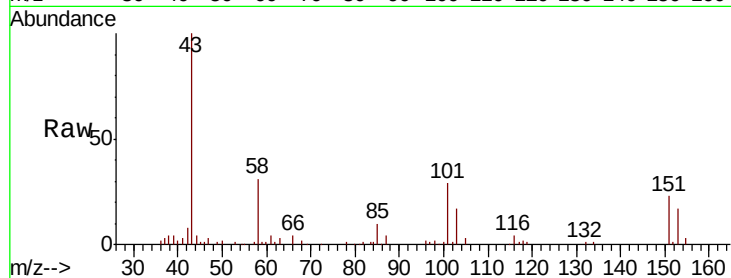
ClientSampleId :

Tot Ion: 43 Resp: 51341

Ion Ratio Lower Upper

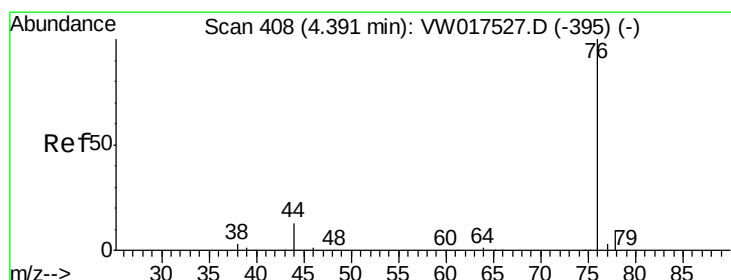
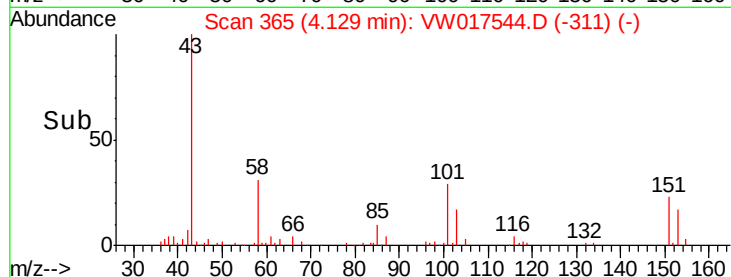
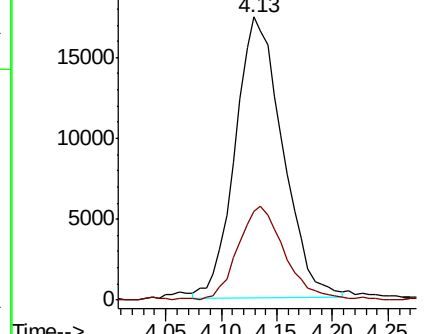
43 100

58 33.1 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.311 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017544.D

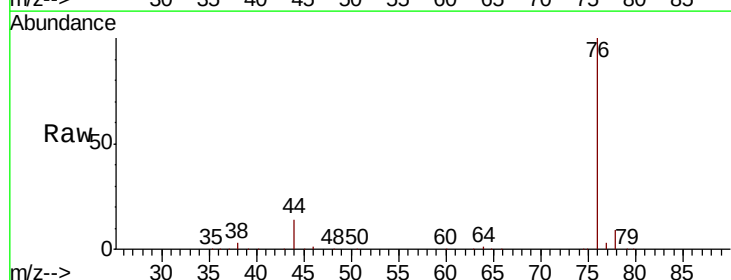
Acq: 04 Dec 2020 09:56

Tgt Ion: 76 Resp: 387473

Ion Ratio Lower Upper

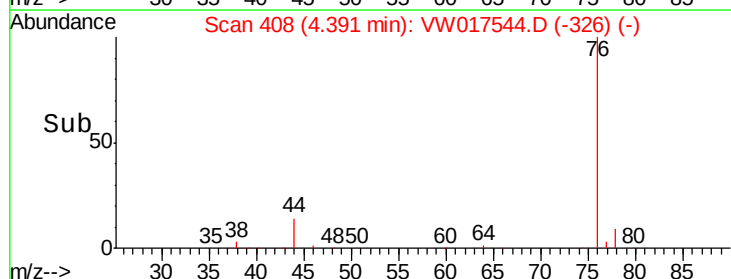
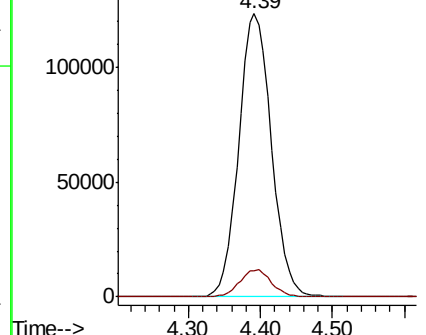
76 100

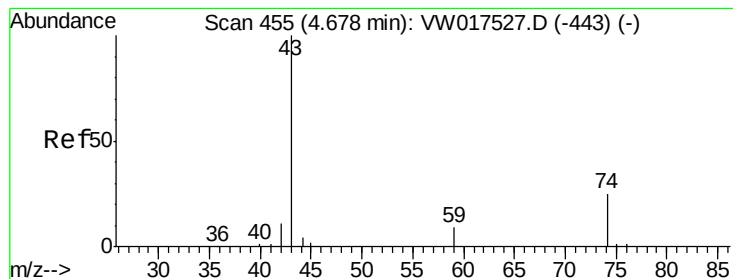
78 9.1 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 23.486 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

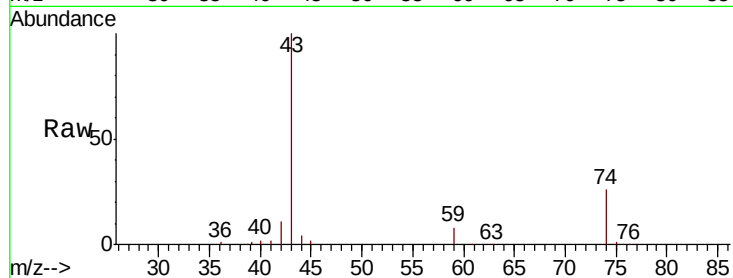
ClientSampleId :

Tot Ion: 43 Resp: 45737

Ion Ratio Lower Upper

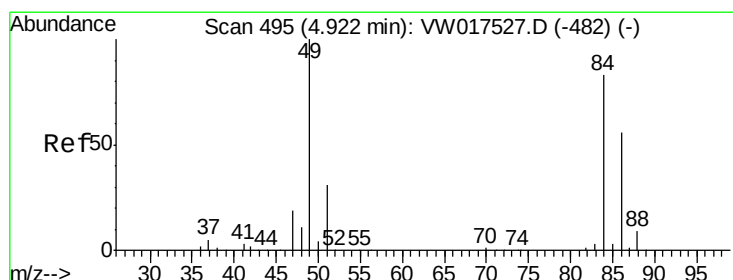
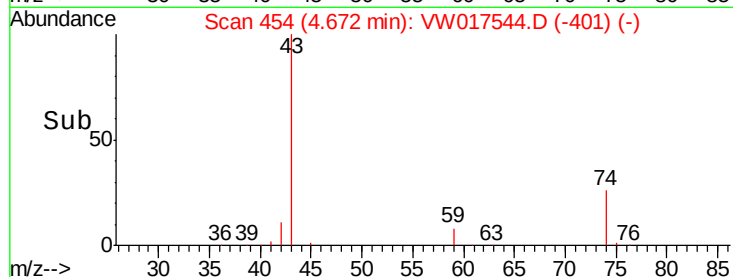
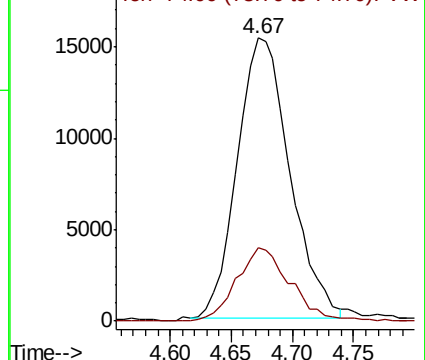
43 100

74 26.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.160 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

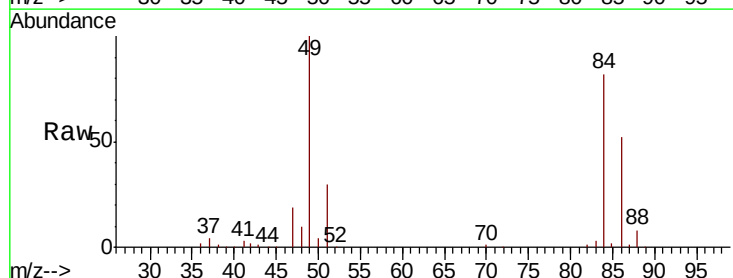
Tgt Ion: 84 Resp: 139443

Ion Ratio Lower Upper

84 100

49 122.4 81.2 150.8

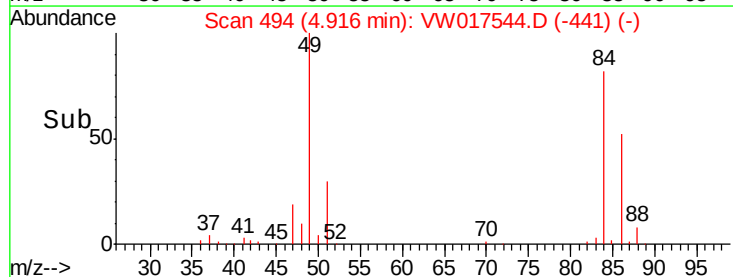
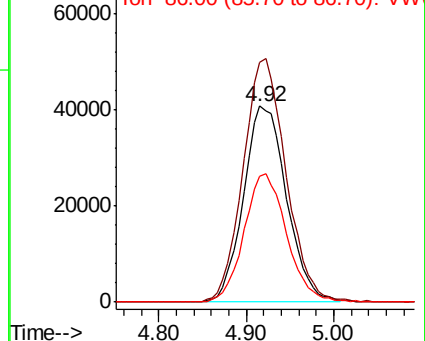
86 64.2 44.5 82.7

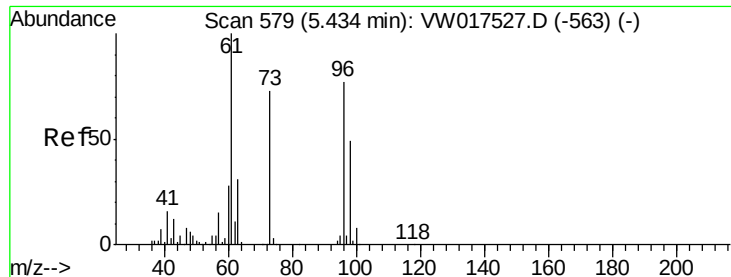


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

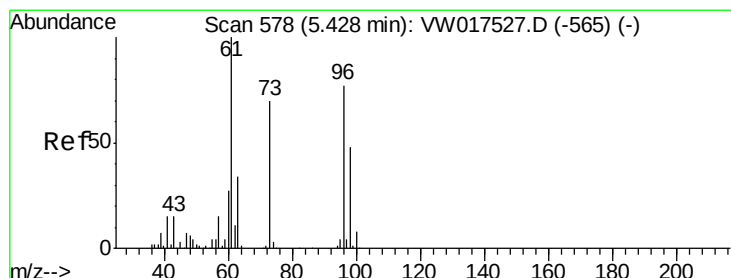
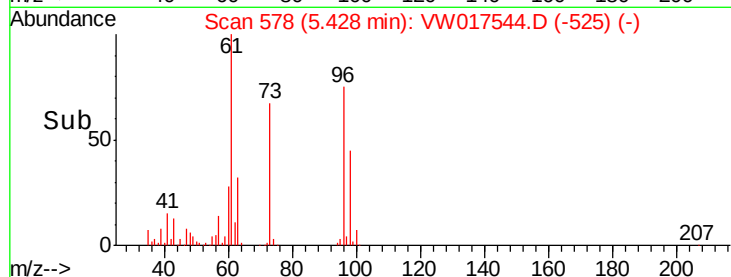
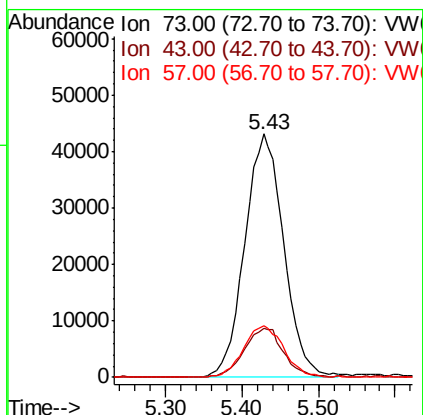
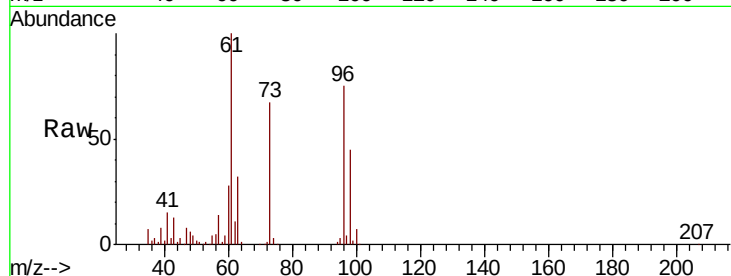




#17
Methyl tert-butyl Ether
Concen: 24.489 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

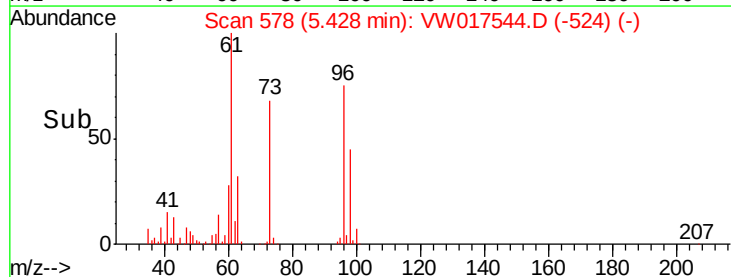
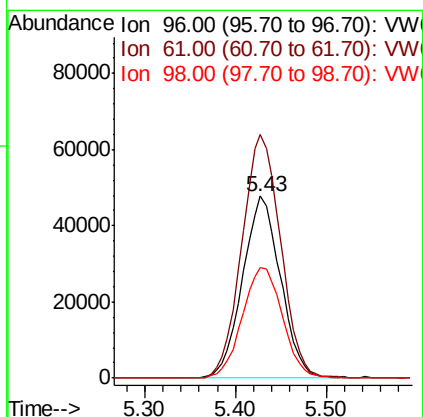
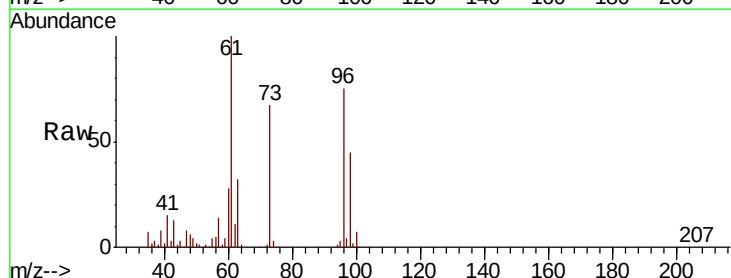
Instrument :
MSVOA_W
ClientSampleId :

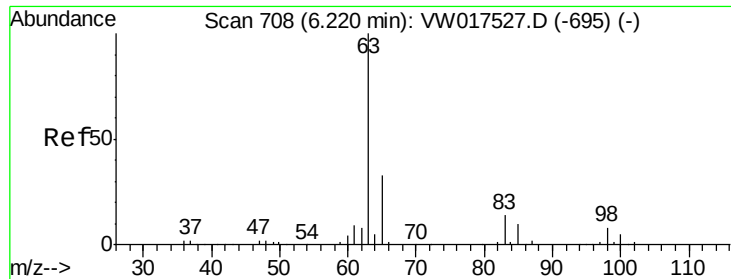
Tot Ion: 73 Resp: 153075
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.4
57 21.8 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 23.185 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 96 Resp: 138507
Ion Ratio Lower Upper
96 100
61 134.0 92.7 172.1
98 60.8 43.3 80.3

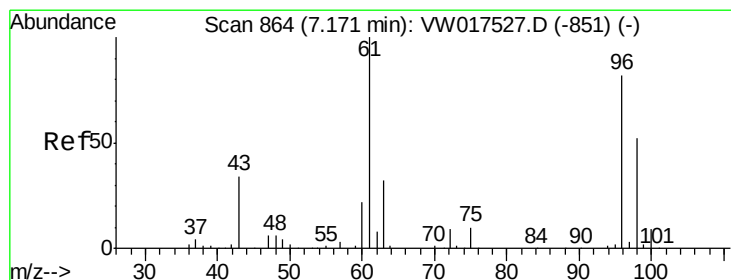
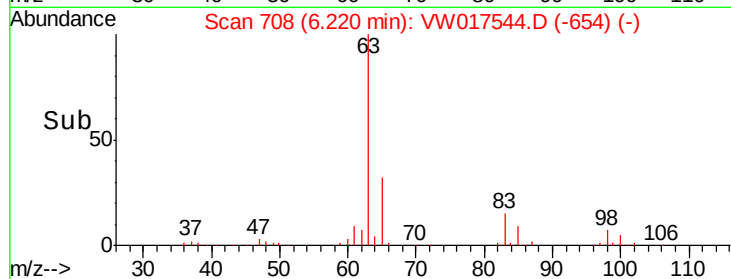
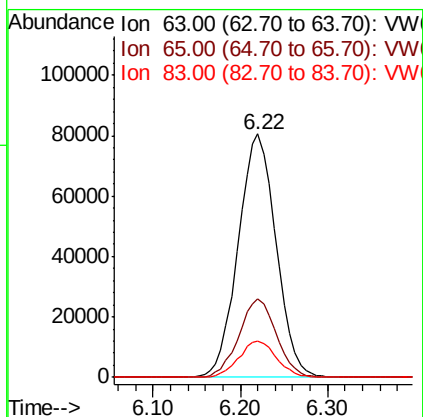
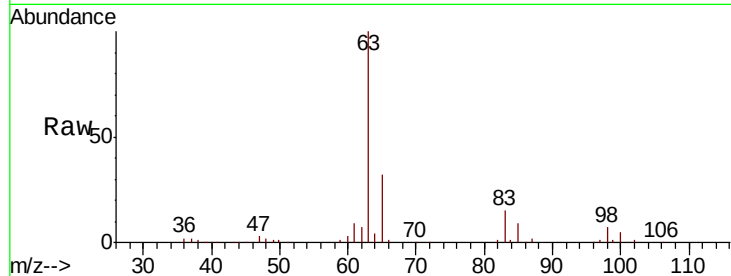




#19
 1,1-Dichloroethane
 Concen: 24.063 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

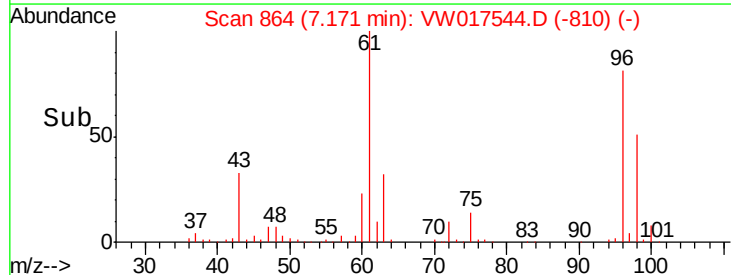
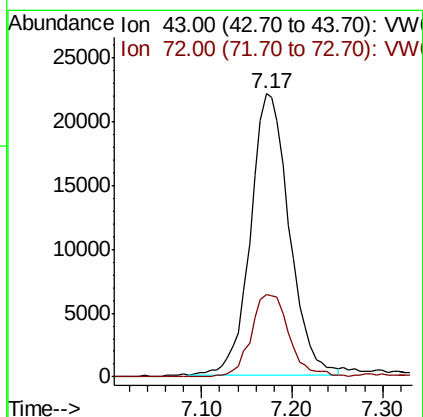
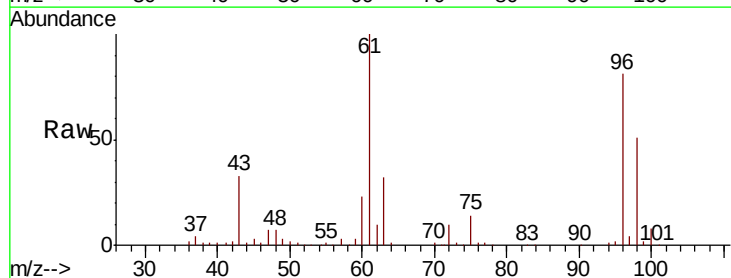
Instrument :
 MSVOA_W
 ClientSampled :

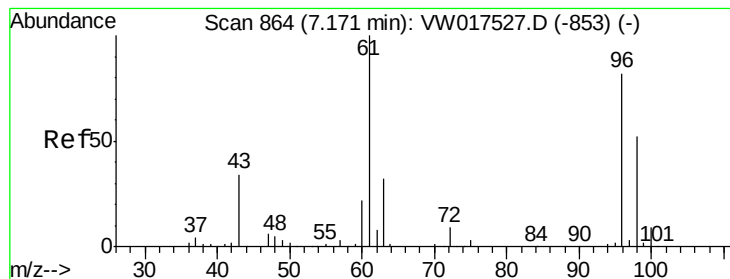
Tot Ion: 63 Resp: 242712
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.9 40.7
 83 14.8 9.4 17.6



#21
 2-Butanone
 Concen: 48.832 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 43 Resp: 65378
 Ion Ratio Lower Upper
 43 100
 72 28.2 14.4 43.2



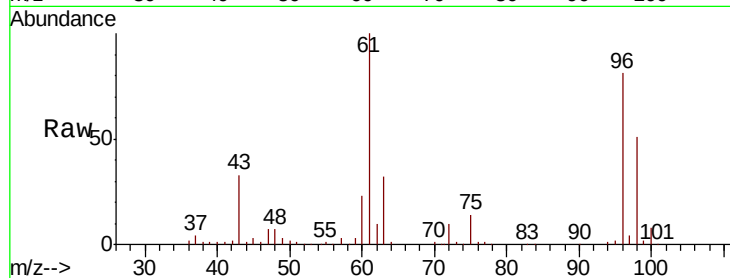


#22

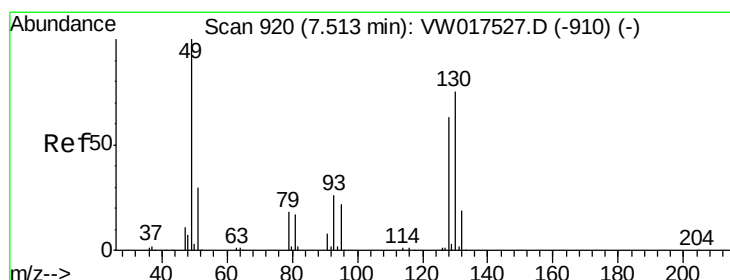
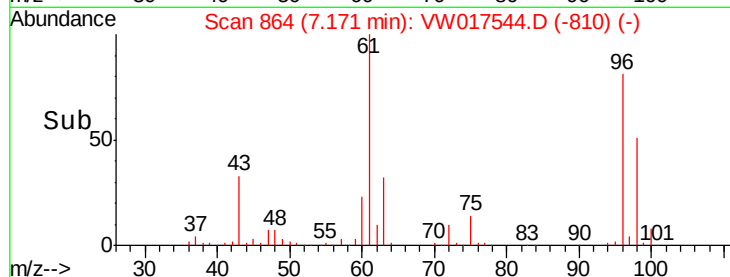
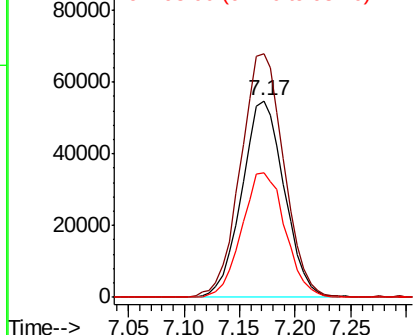
cis-1,2-Dichloroethene
Concen: 23.303 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 145249
Ion Ratio Lower Upper
96 100
61 123.8 84.6 157.2
98 63.1 44.7 82.9



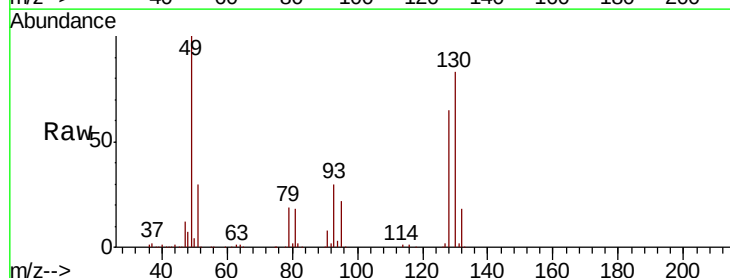
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



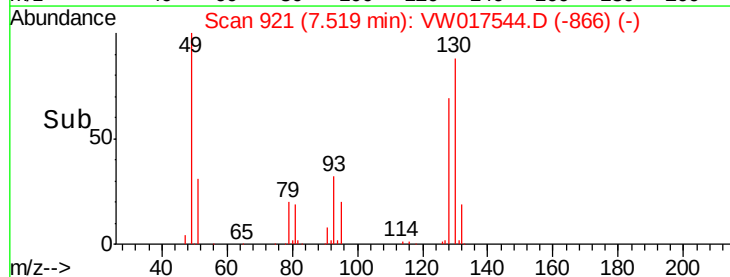
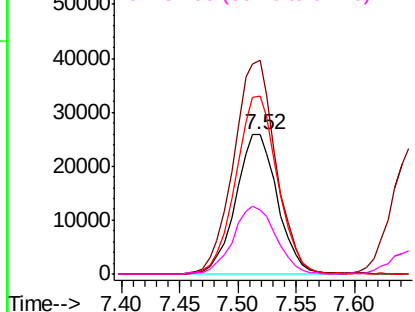
#23

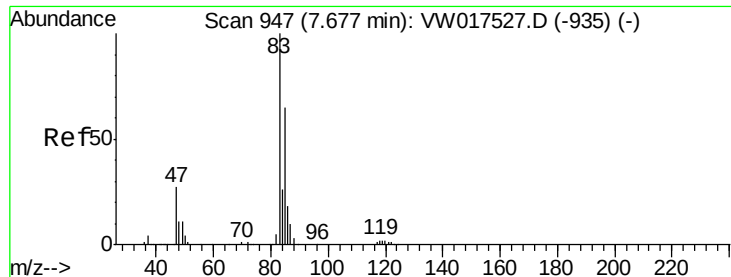
Bromochloromethane
Concen: 22.730 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion:128 Resp: 64356
Ion Ratio Lower Upper
128 100
49 153.2 101.6 188.6
130 127.9 90.4 167.8
51 46.4 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

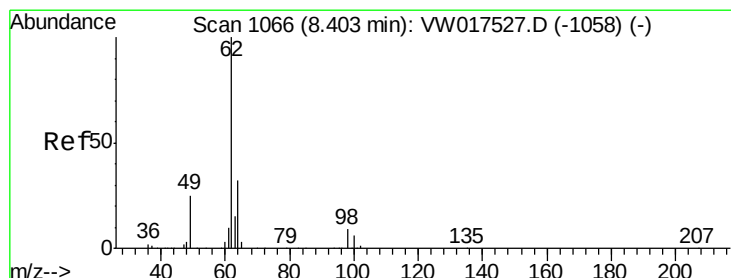
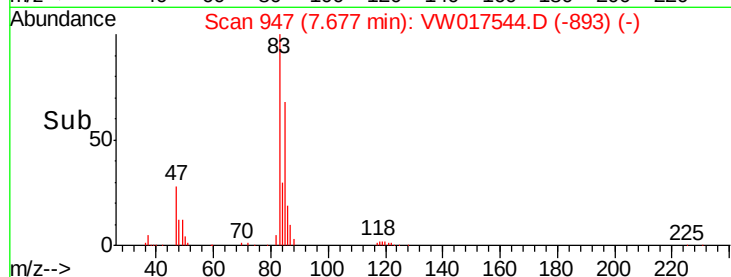
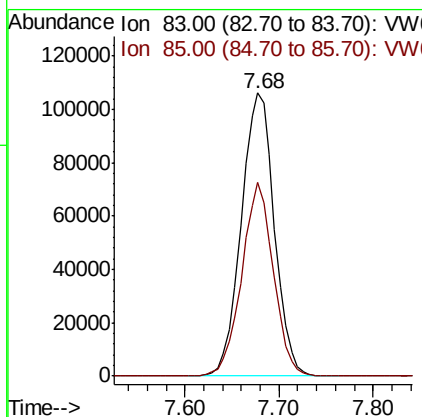
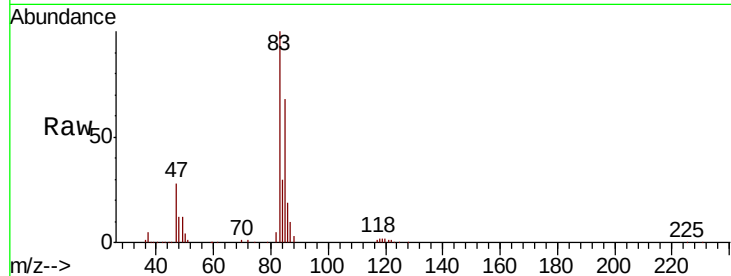




#25
Chloroform
Concen: 24.508 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

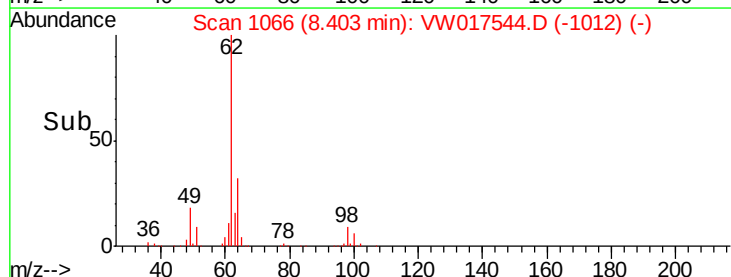
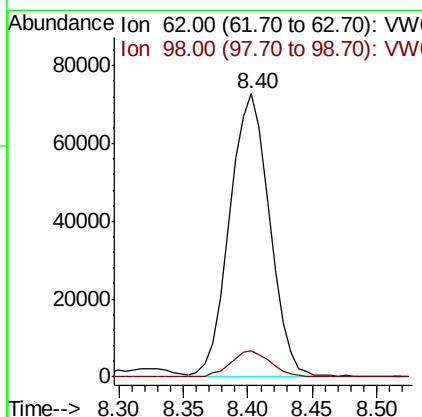
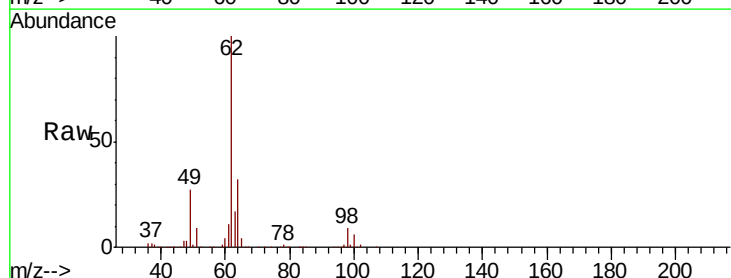
Instrument :
MSVOA_W
ClientSampled :

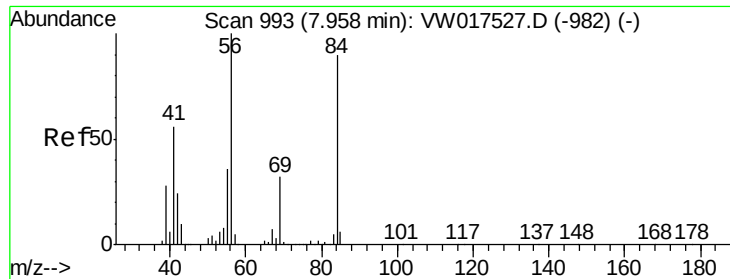
Tot Ion: 83 Resp: 260964
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.524 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 62 Resp: 157273
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0

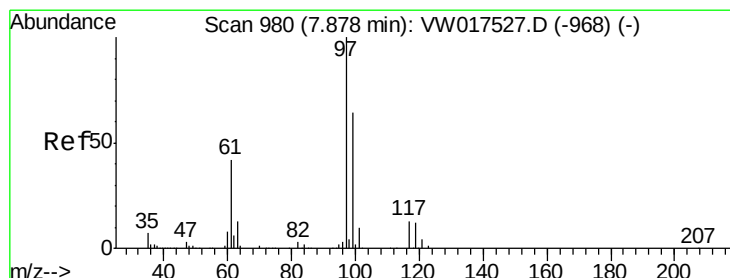
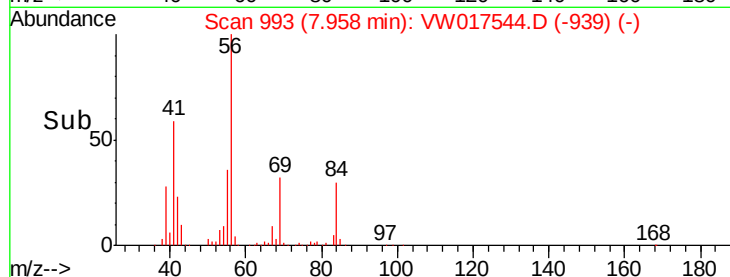
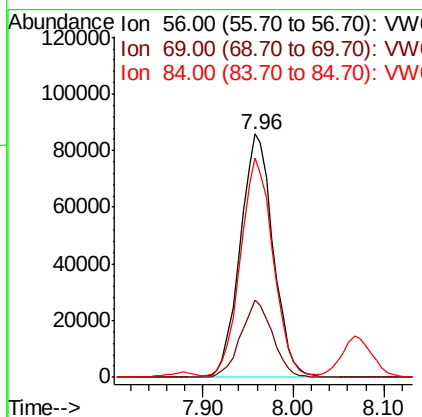
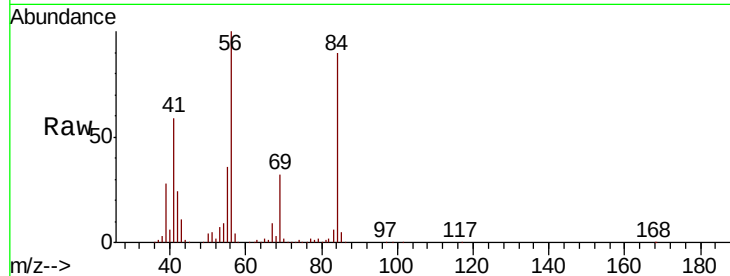




#30
Cyclohexane
Concen: 24.094 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

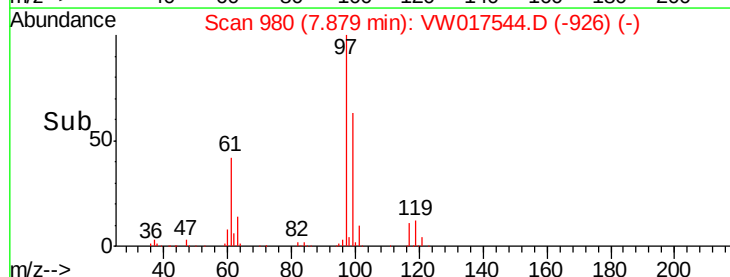
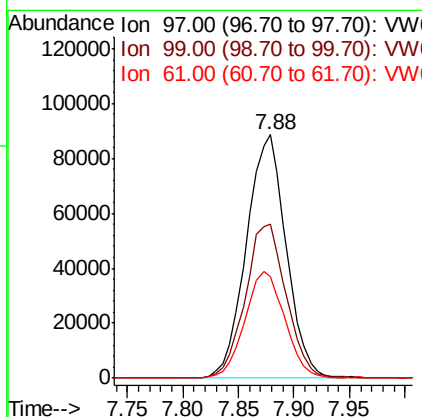
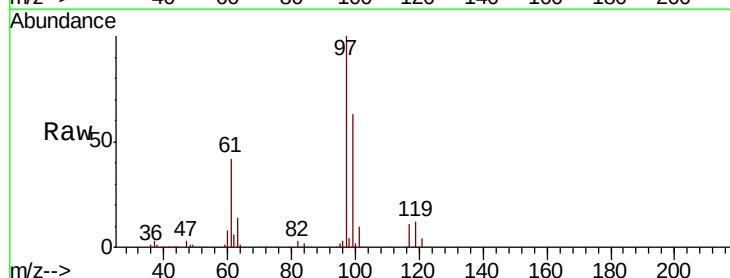
Instrument :
MSVOA_W
ClientSampled :

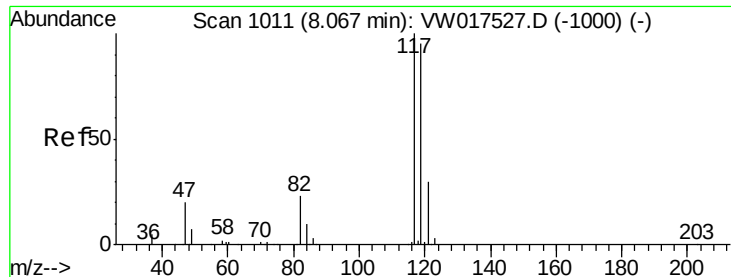
Tot Ion: 56 Resp: 216027
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 89.4 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 24.769 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 97 Resp: 220350
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 44.0 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.524 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

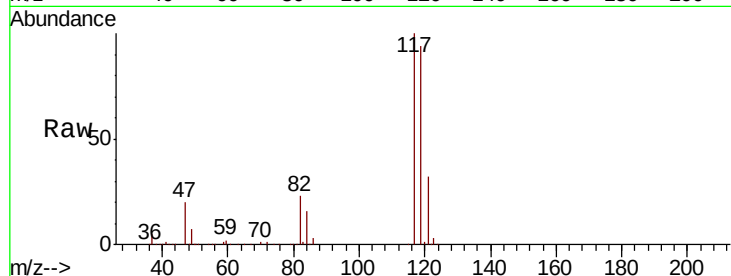
ClientSampleId :

Tot Ion:117 Resp: 220488

Ion Ratio Lower Upper

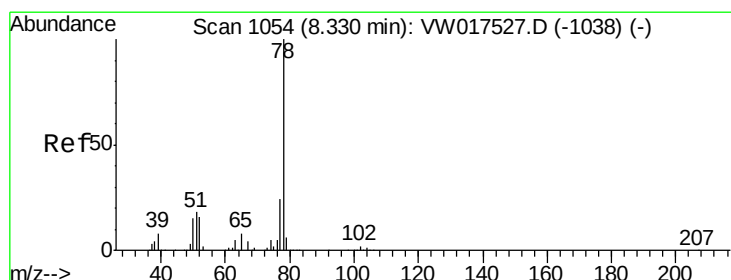
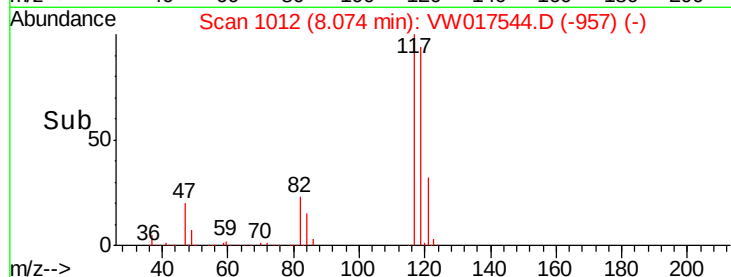
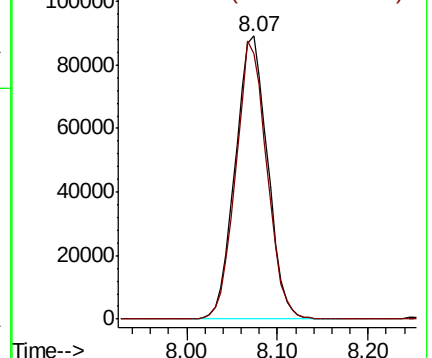
117 100

119 94.3 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.241 ug/L

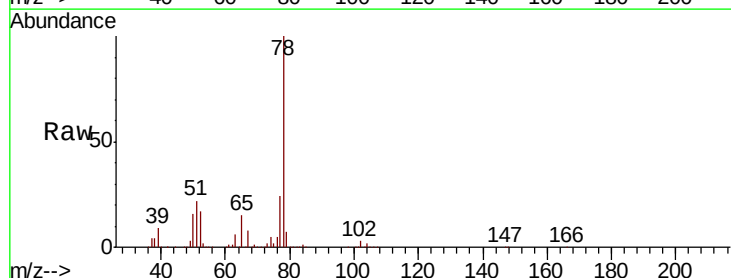
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

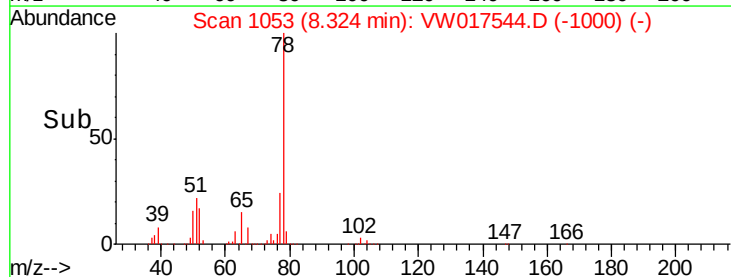
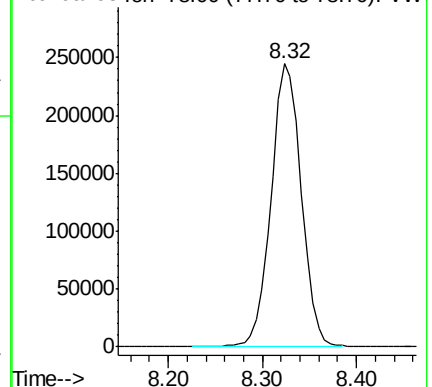
Lab File: VW017544.D

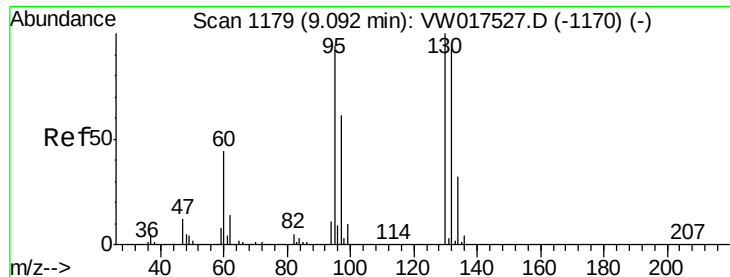
Acq: 04 Dec 2020 09:56

Tgt Ion: 78 Resp: 547665



Abundance Ion 78.00 (77.70 to 78.70): VW

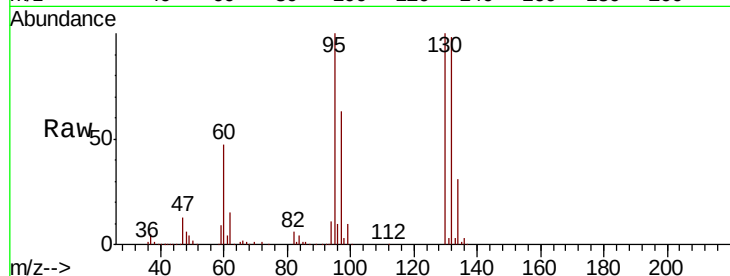




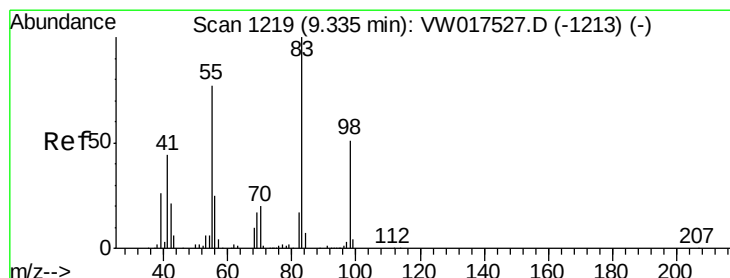
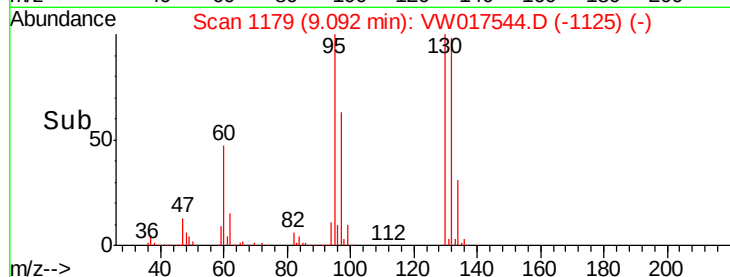
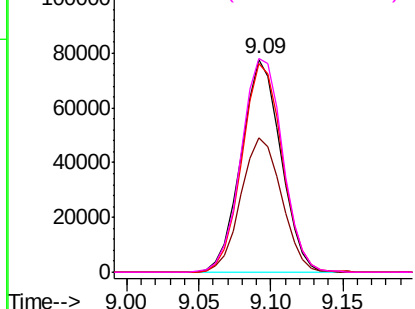
#35
 Trichloroethene
 Concen: 23.764 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	148840
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.0	83.6
132	99.4	71.0	131.8
130	104.9	75.6	140.4

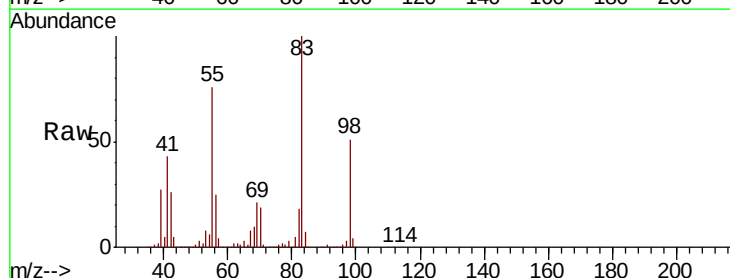


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

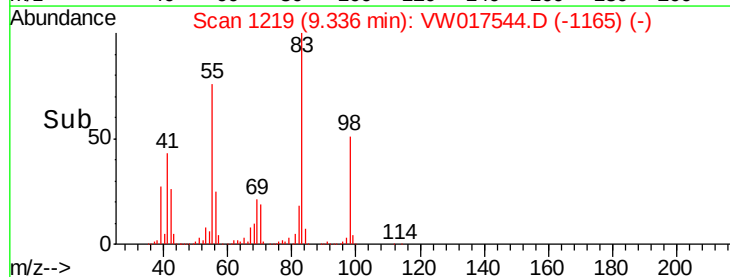
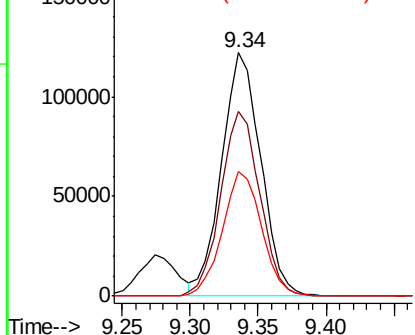


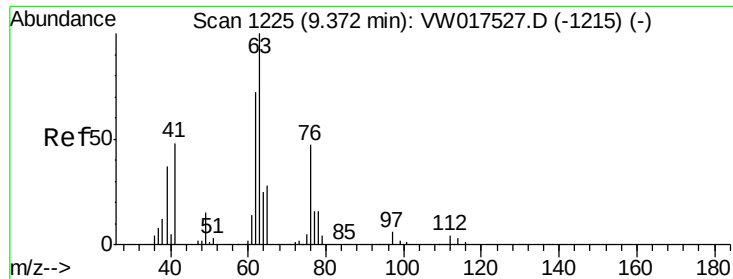
#36
 Methylcyclohexane
 Concen: 23.615 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion:	83	Resp:	244585
Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.4	89.0
98	51.1	40.7	61.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.776 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

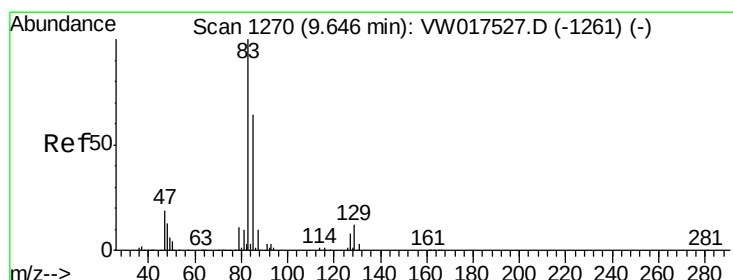
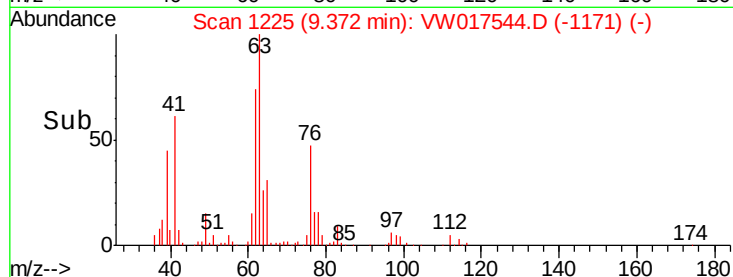
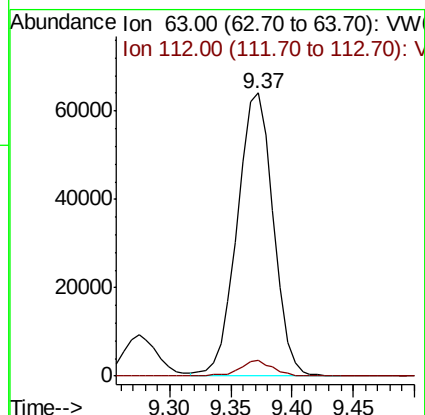
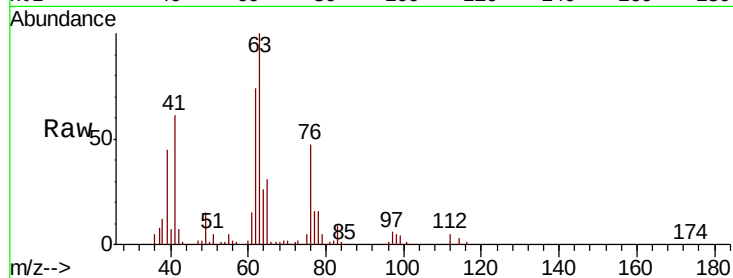
ClientSampleId :

Tot Ion: 63 Resp: 131474

Ion Ratio Lower Upper

63 100

112 5.0 4.2 6.4



#41

Bromodichloromethane

Concen: 24.622 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

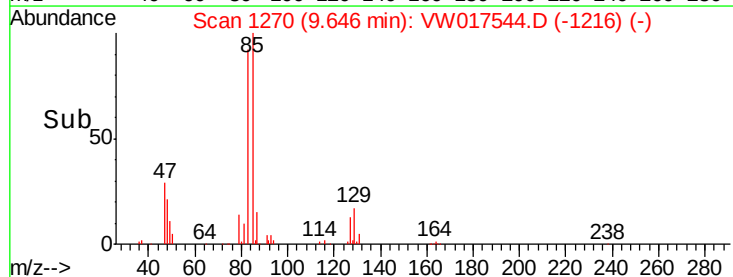
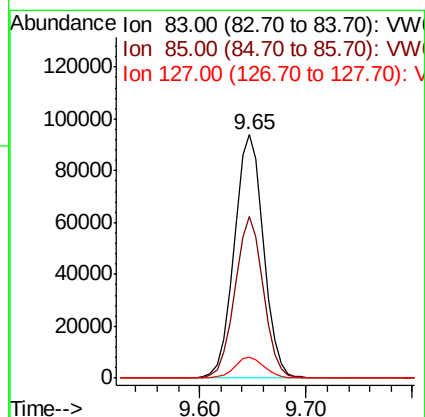
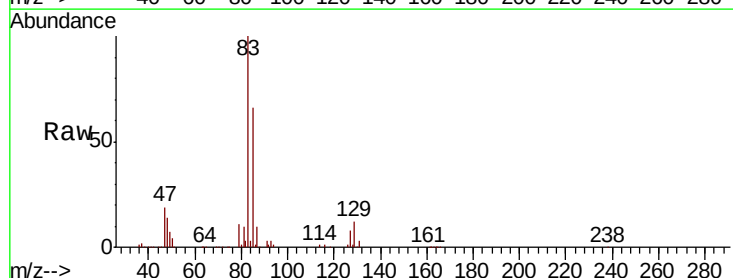
Tgt Ion: 83 Resp: 180529

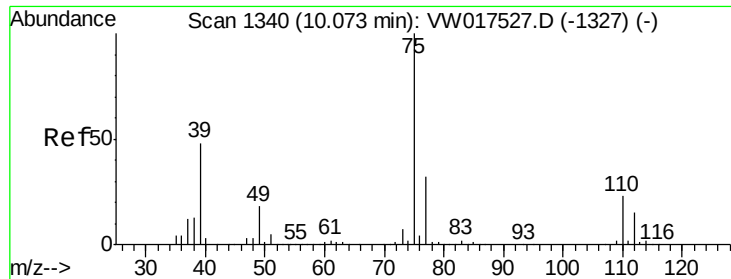
Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8

127 8.4 7.6 11.4

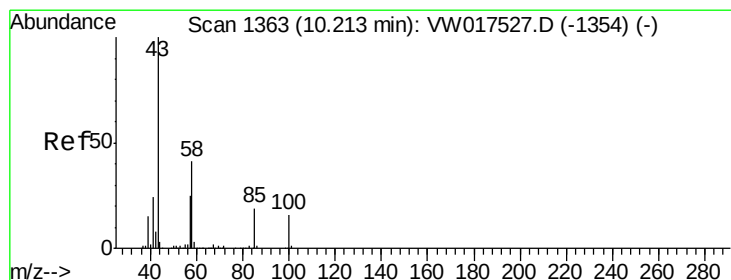
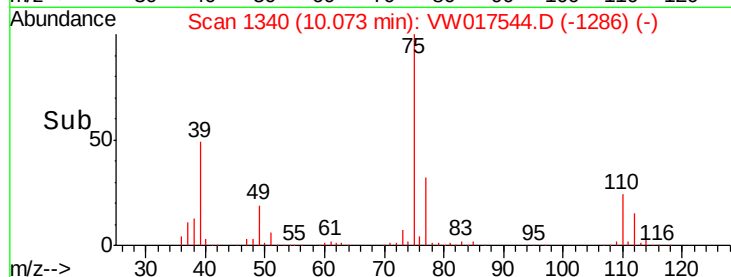
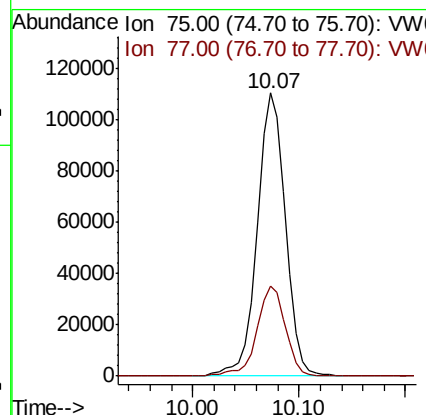
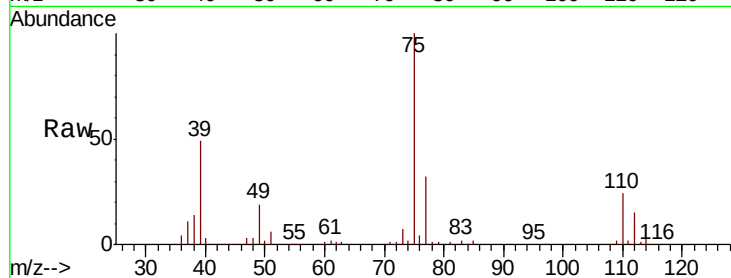




#42
 cis-1,3-Dichloropropene
 Concen: 24.928 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

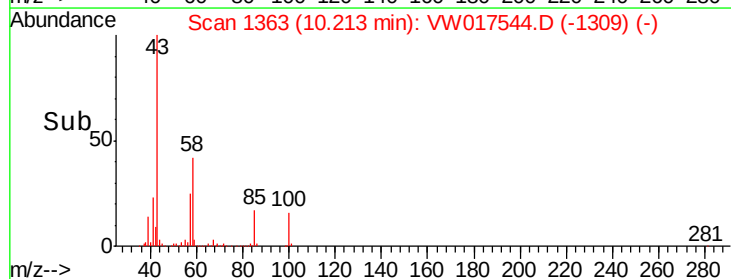
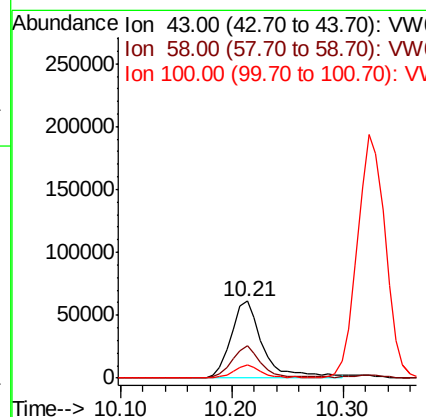
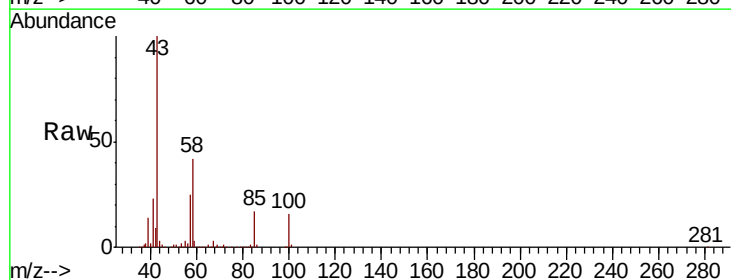
Instrument :
 MSVOA_W
 ClientSampled :

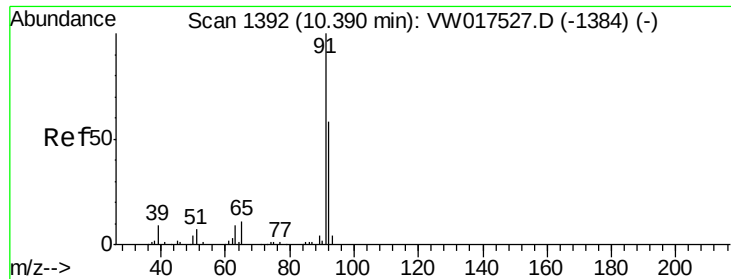
Tot Ion: 75 Resp: 204893
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 49.871 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 43 Resp: 121837
 Ion Ratio Lower Upper
 43 100
 58 36.4 31.6 47.4
 100 14.8 14.1 21.1





#44

Toluene

Concen: 24.355 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

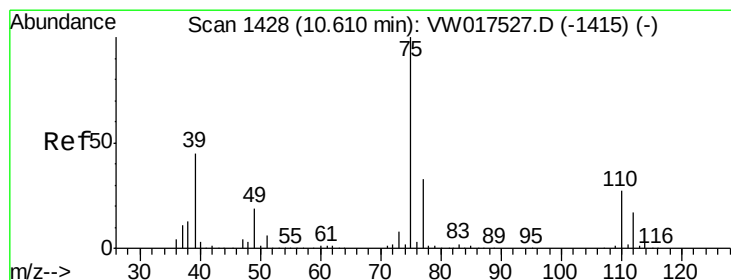
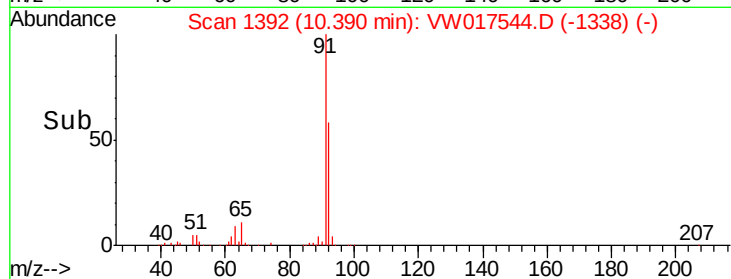
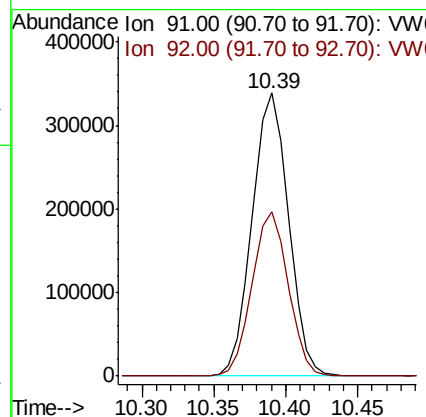
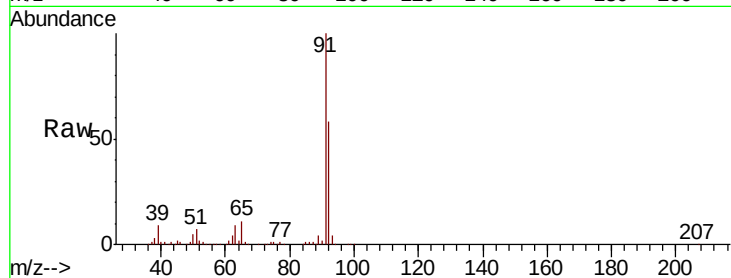
ClientSampleId :

Tot Ion: 91 Resp: 592108

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 25.317 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017544.D

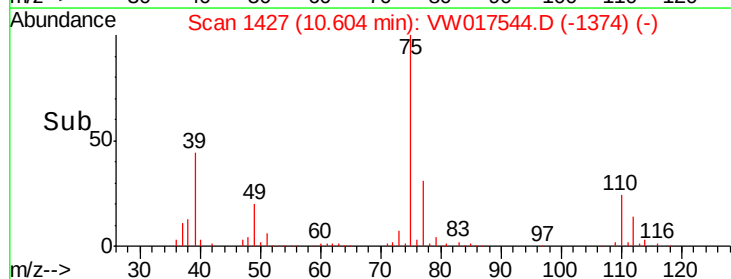
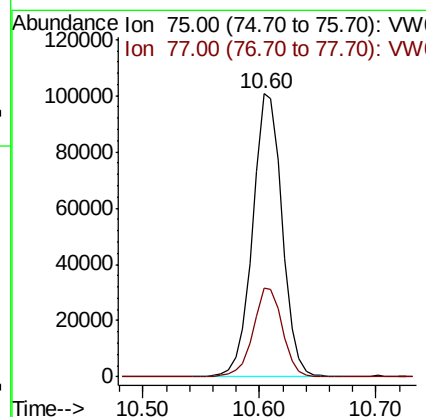
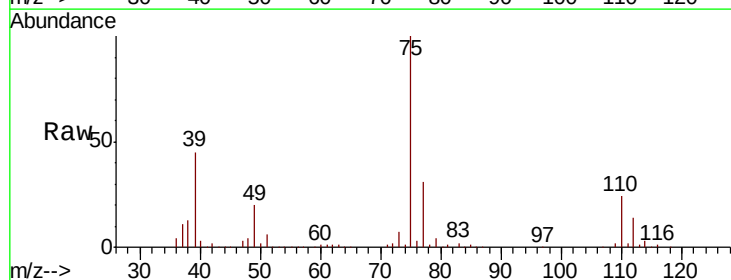
Acq: 04 Dec 2020 09:56

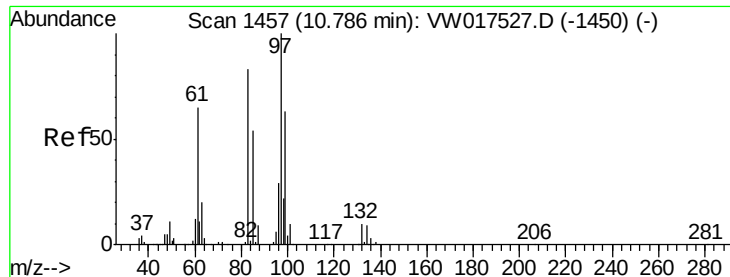
Tgt Ion: 75 Resp: 178322

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 24.180 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 96142

Ion	Ratio	Lower	Upper
97	100		
83	87.7	58.5	108.7
85	54.7	37.8	70.2
99	62.1	43.7	81.1

Abundance

Ion 97.00 (96.70 to 97.70): VW

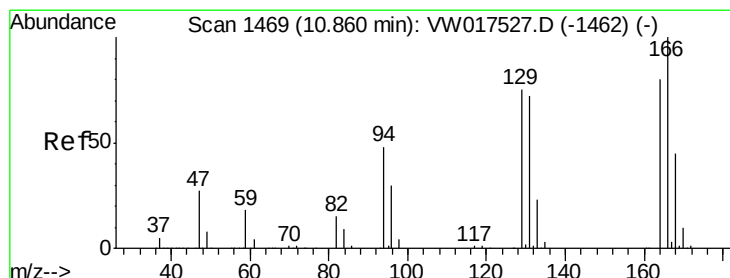
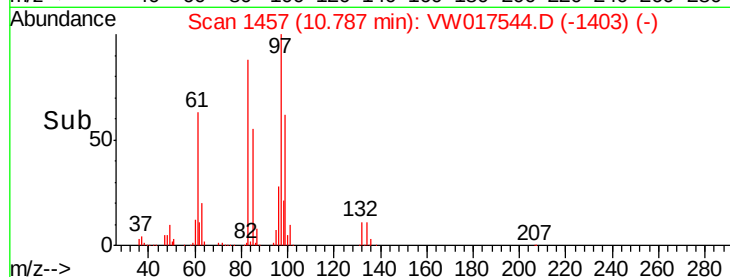
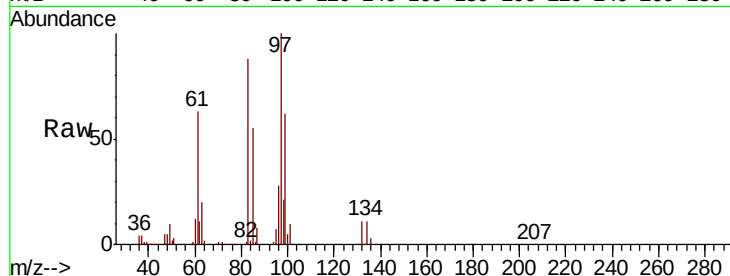
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

Time-->



#47

Tetrachloroethene

Concen: 22.422 ug/L

RT: 10.87 min Scan# 1470

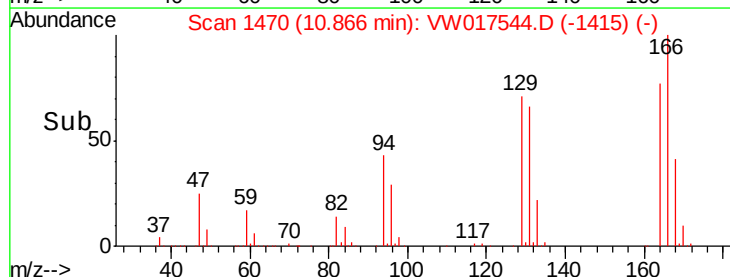
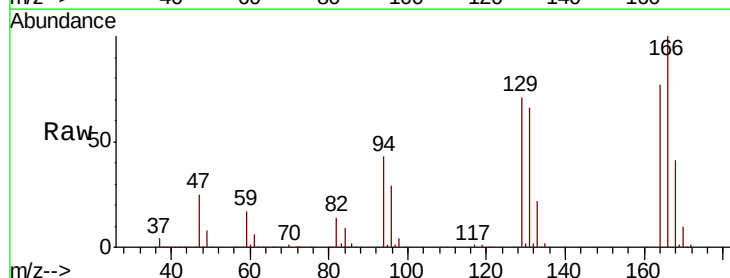
Delta R.T. 0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Tgt Ion: 164 Resp: 119654

Ion	Ratio	Lower	Upper
164	100		
129	92.4	67.6	125.6
131	86.3	65.2	121.2
166	130.7	93.2	173.2



Abundance

Ion 164.00 (163.70 to 164.70): V

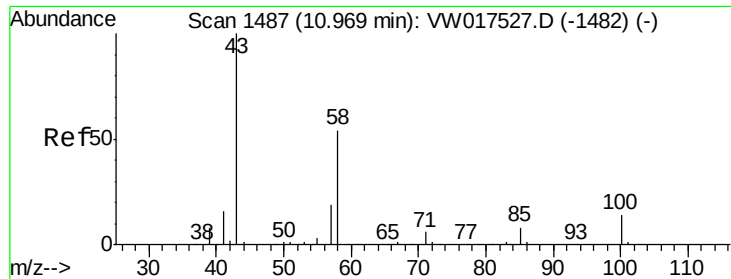
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.87

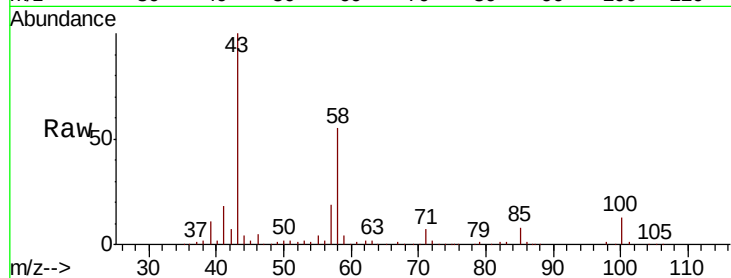
Time-->



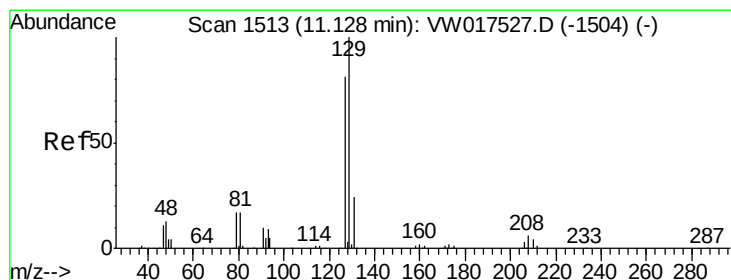
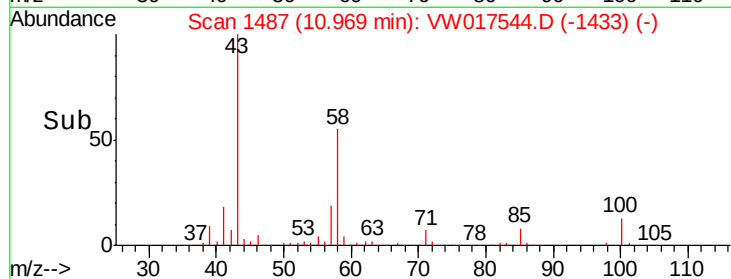
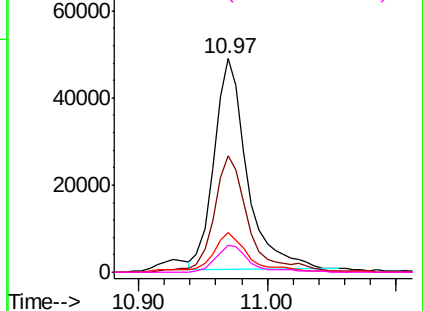
#49
2-Hexanone
Concen: 50.589 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	43	Resp:	87282
Ion	Ratio	Lower	Upper
43	100		
58	55.9	51.3	76.9
57	15.7	15.0	22.6
100	12.5	12.2	18.2

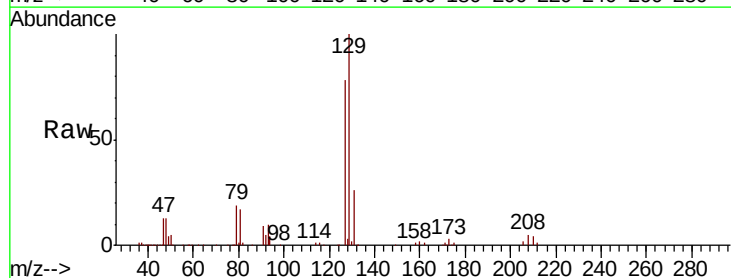


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

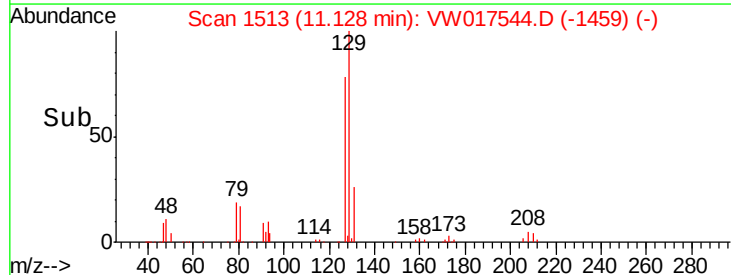
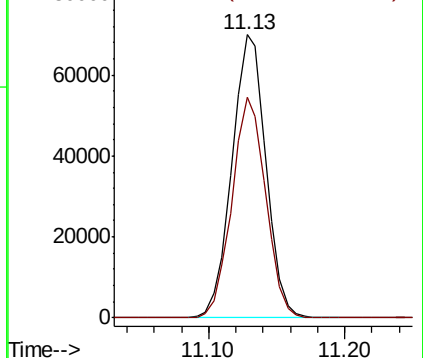


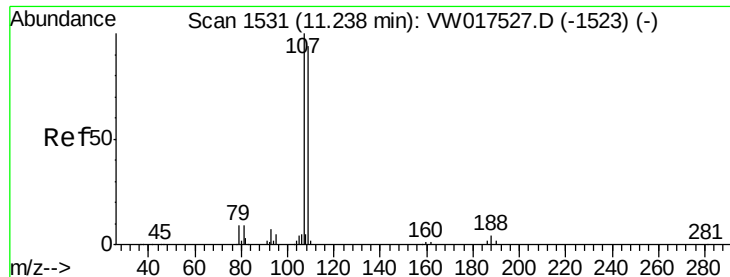
#50
Dibromochloromethane
Concen: 24.481 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion:	129	Resp:	121590
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.2	98.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

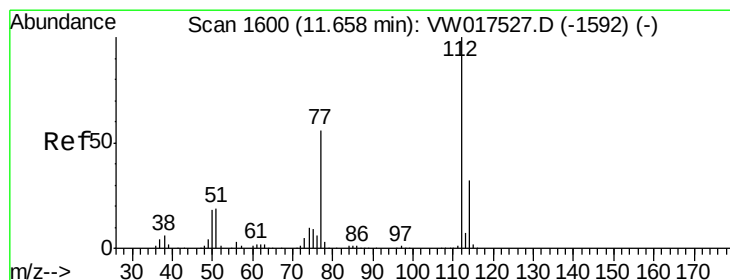
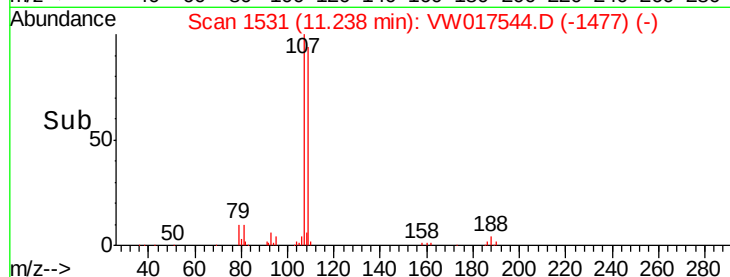
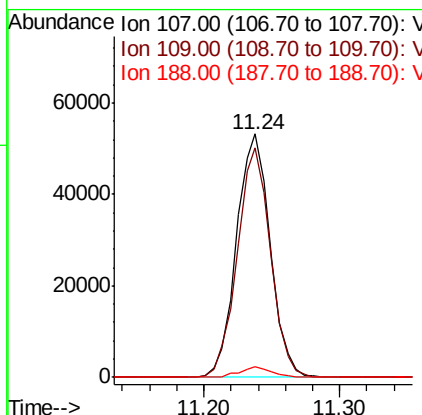
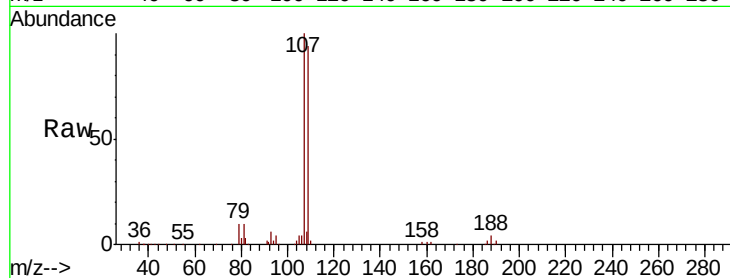




#51
1,2-Dibromoethane
Concen: 24.064 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

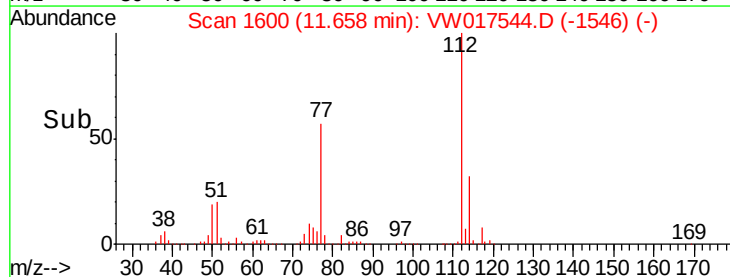
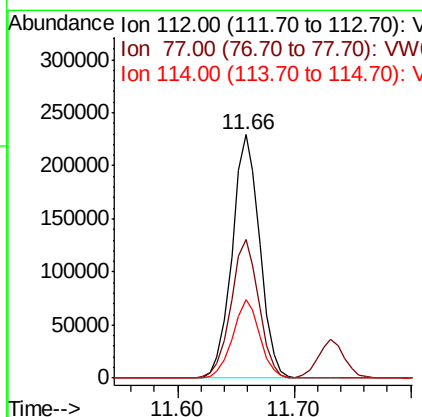
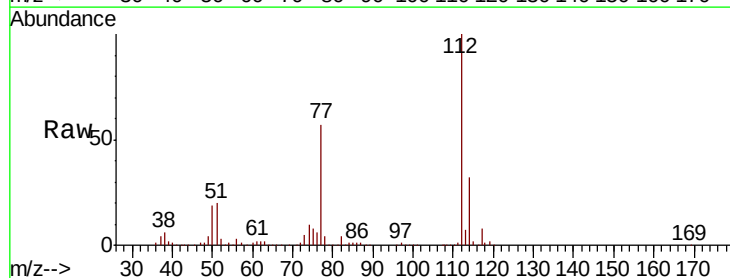
Instrument :
MSVOA_W
ClientSampleId :

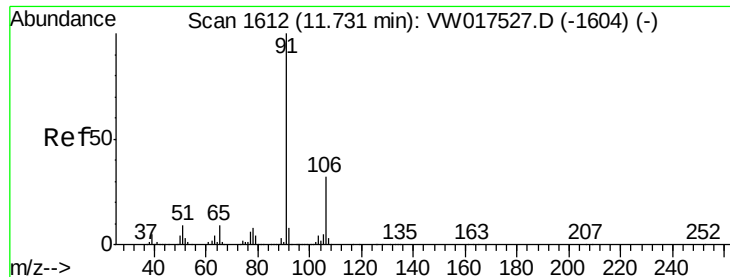
Tot Ion:107 Resp: 91699
Ion Ratio Lower Upper
107 100
109 94.4 66.4 123.2
188 4.1 4.0 6.0



#52
Chlorobenzene
Concen: 23.658 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion:112 Resp: 376625
Ion Ratio Lower Upper
112 100
77 56.8 42.6 64.0
114 32.4 21.6 40.2

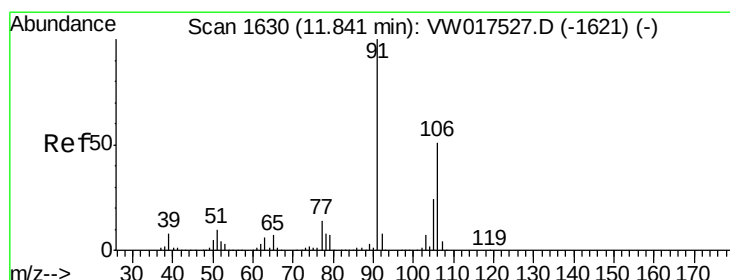
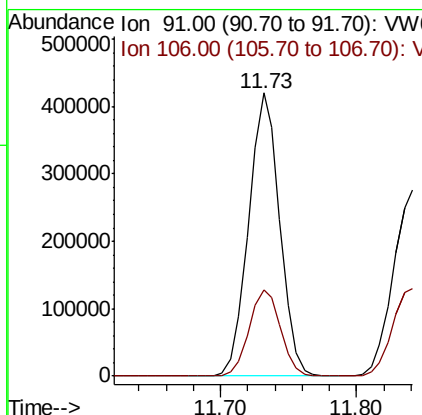
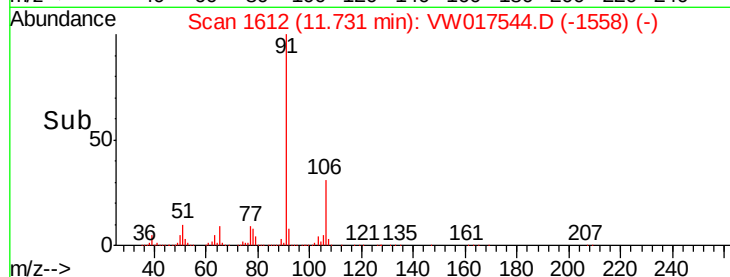
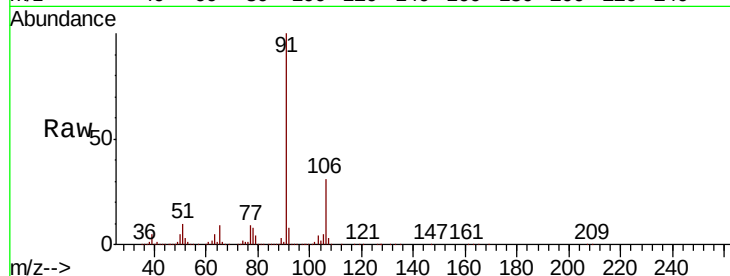




#53
Ethylbenzene
Concen: 24.377 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

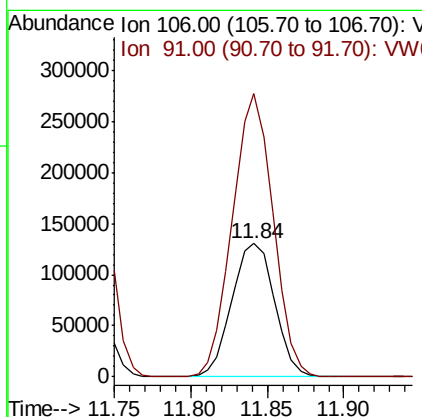
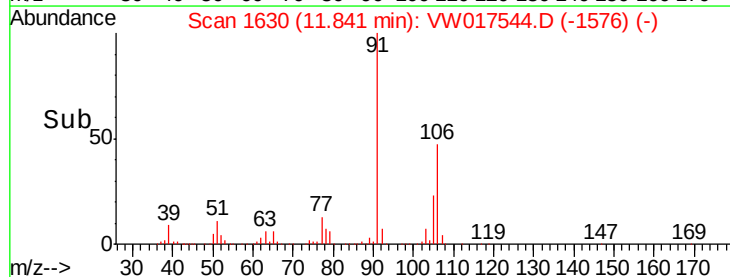
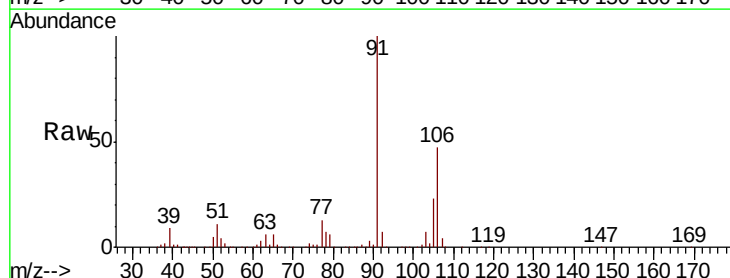
Instrument :
MSVOA_W
ClientSampled :

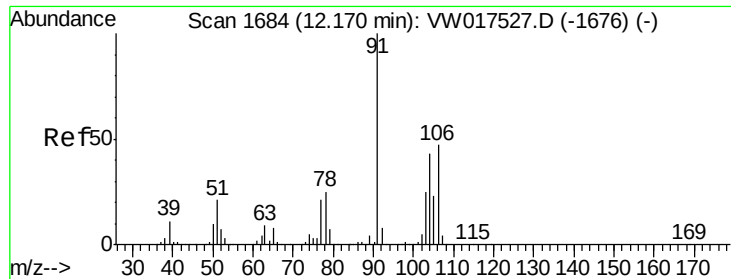
Tot Ion: 91 Resp: 671932
Ion Ratio Lower Upper
91 100
106 30.6 21.1 39.1



#54
m,p-Xylene
Concen: 24.144 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017544.D
Acq: 04 Dec 2020 09:56

Tgt Ion: 106 Resp: 253913
Ion Ratio Lower Upper
106 100
91 212.0 136.4 253.4





#55

o-xylene

Concen: 24.366 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

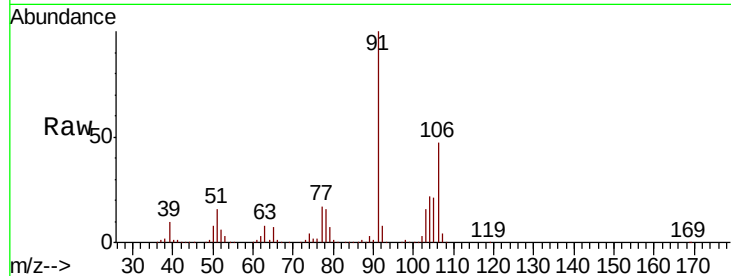
ClientSampleId :

Tot Ion:106 Resp: 238669

Ion Ratio Lower Upper

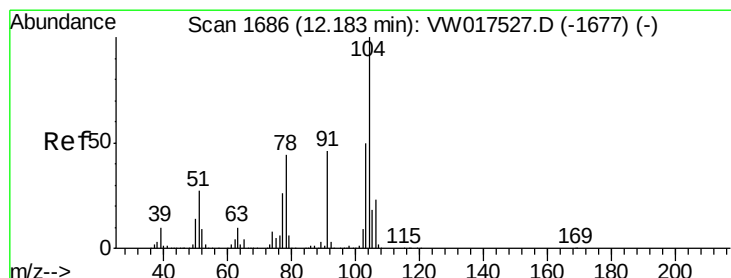
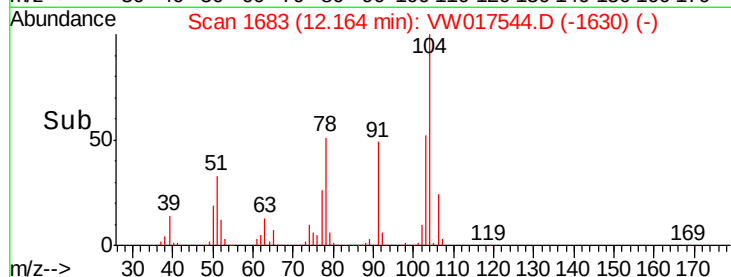
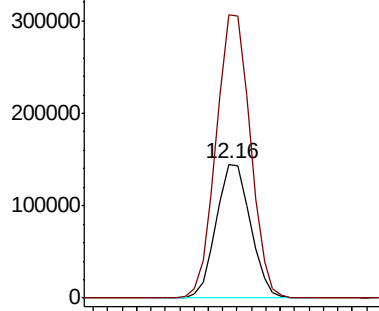
106 100

91 210.9 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.901 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017544.D

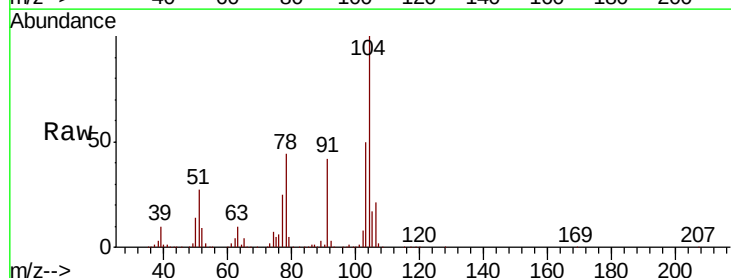
Acq: 04 Dec 2020 09:56

Tgt Ion:104 Resp: 410329

Ion Ratio Lower Upper

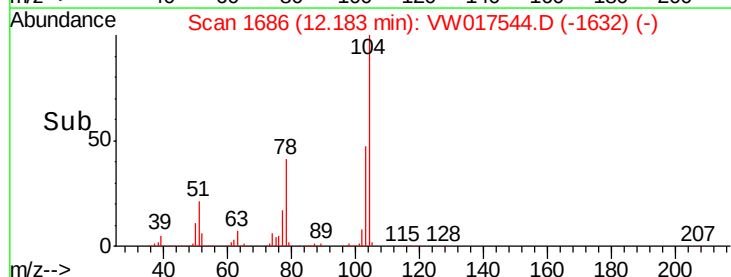
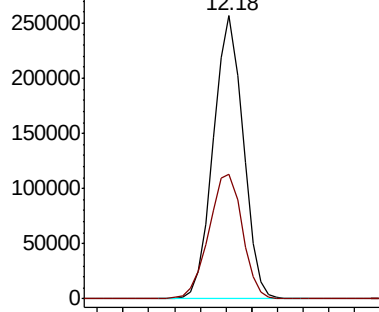
104 100

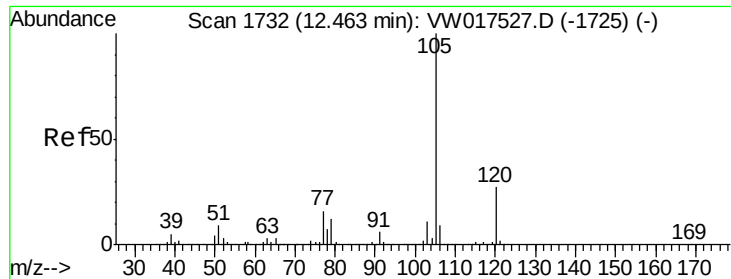
78 44.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.666 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampled :

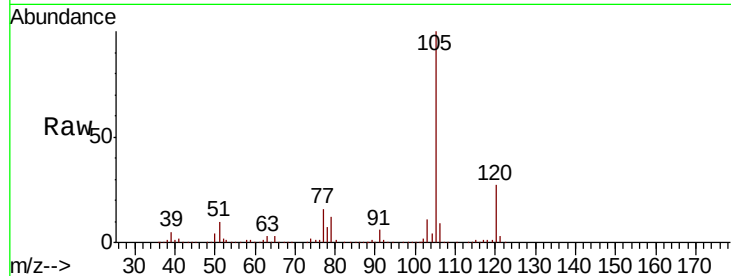
Tot Ion:105 Resp: 663631

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

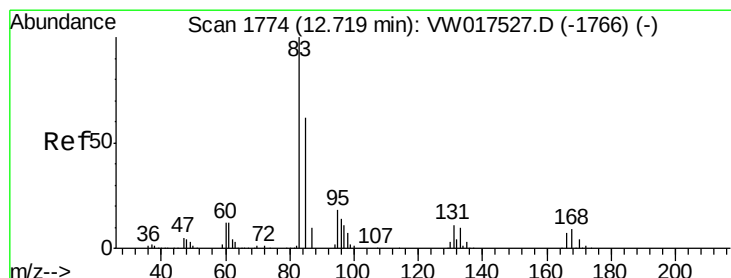
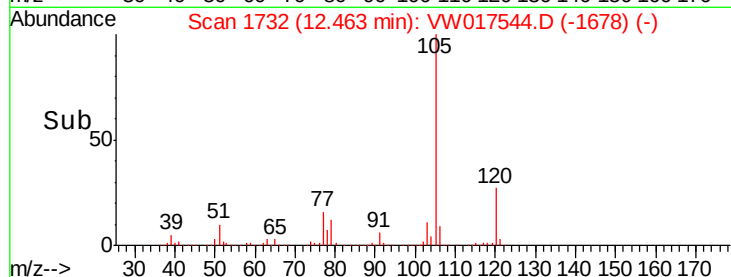
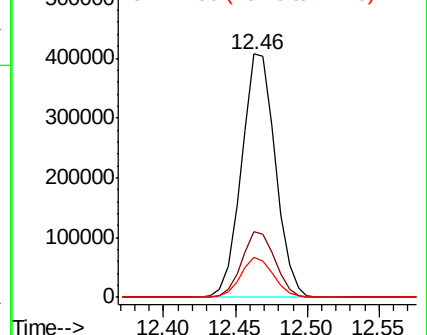
77 16.0 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.708 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

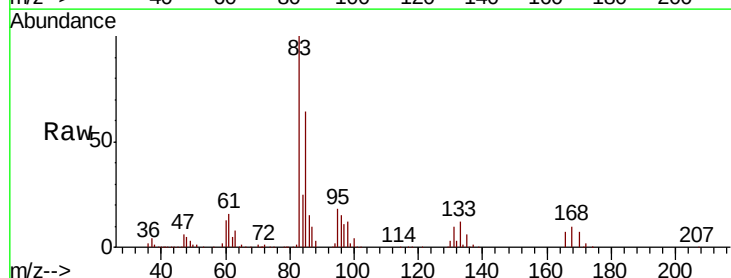
Tgt Ion: 83 Resp: 105741

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

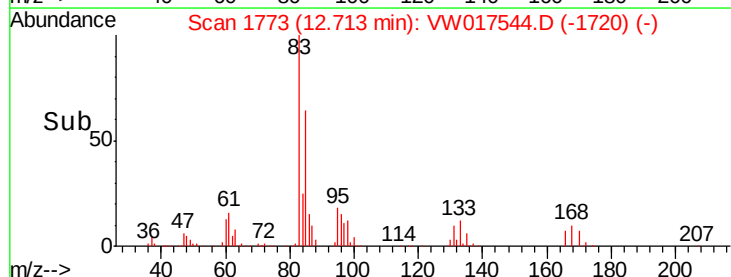
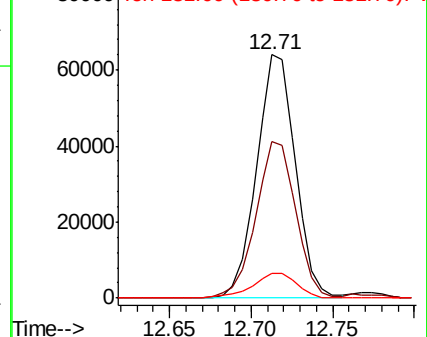
131 10.4 8.3 12.5

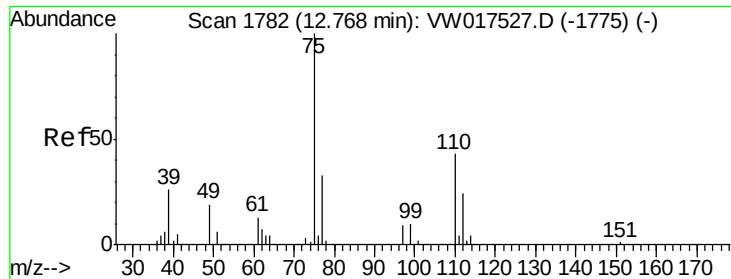


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

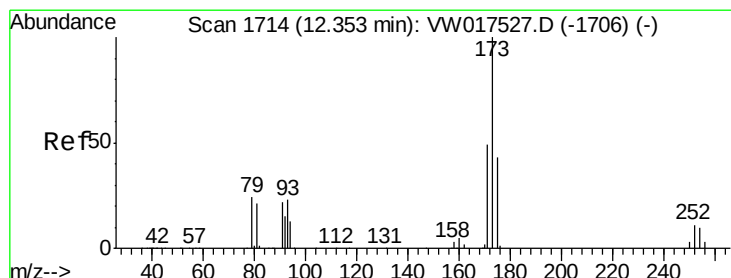
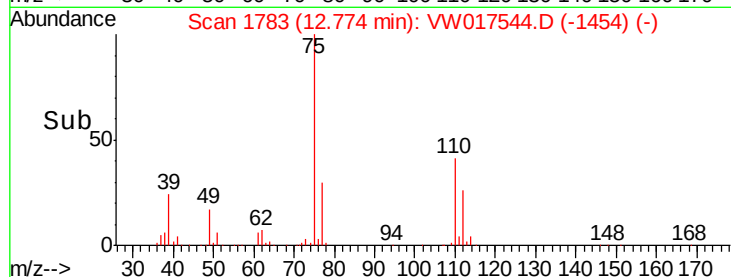
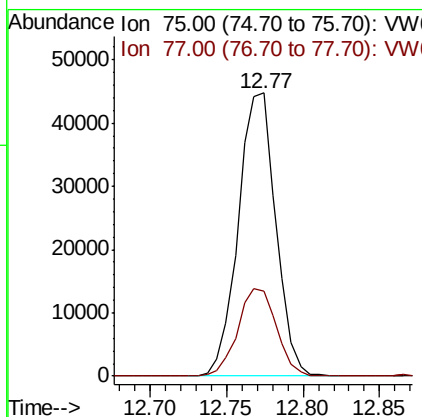
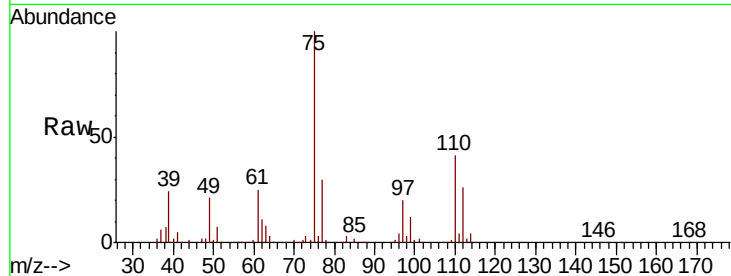




#59
 1,2,3-Trichloropropane
 Concen: 24.099 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

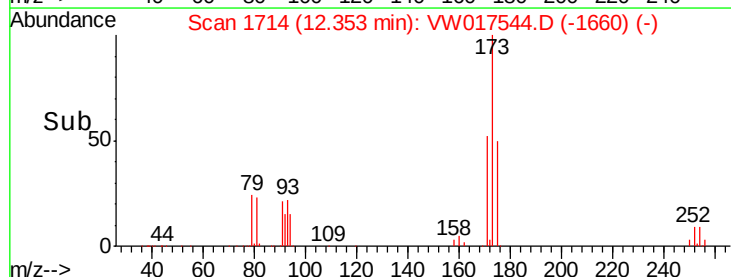
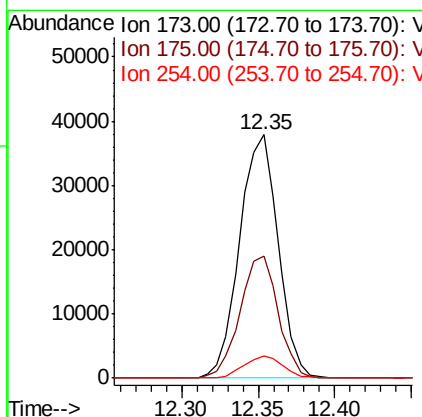
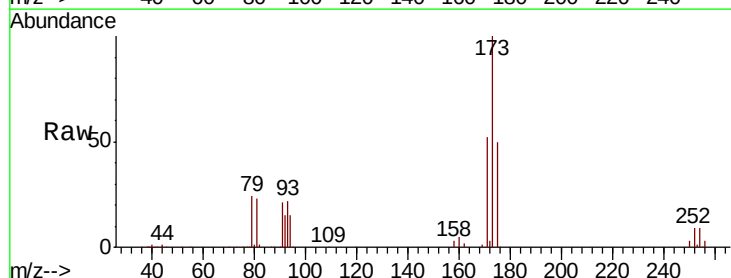
Instrument :
 MSVOA_W
 ClientSampleId :

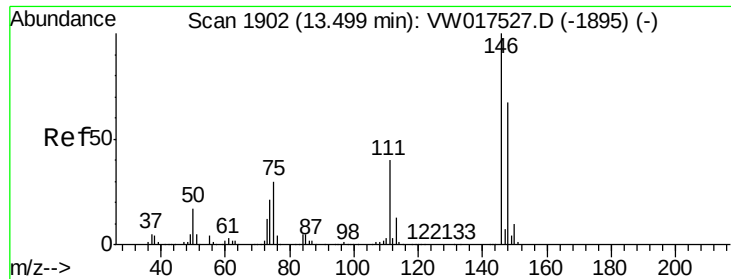
Tot Ion: 75 Resp: 76123
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.6 39.8



#62
 Bromoform
 Concen: 23.549 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion: 173 Resp: 66233
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.1 58.7
 254 9.2 7.1 10.7

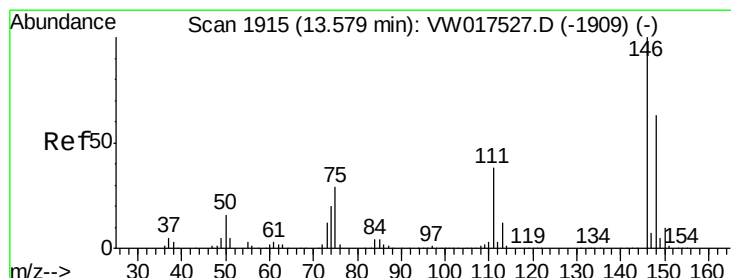
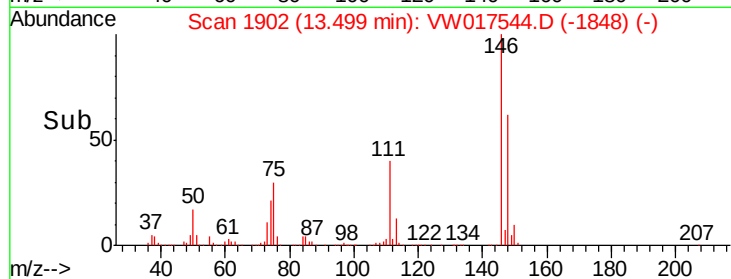
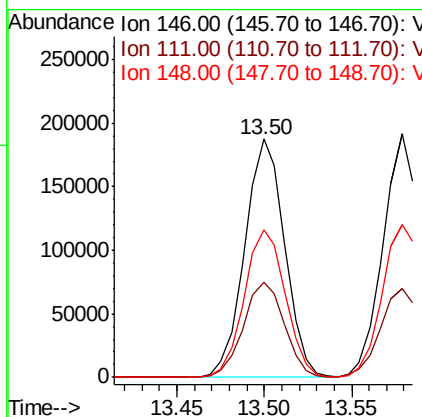
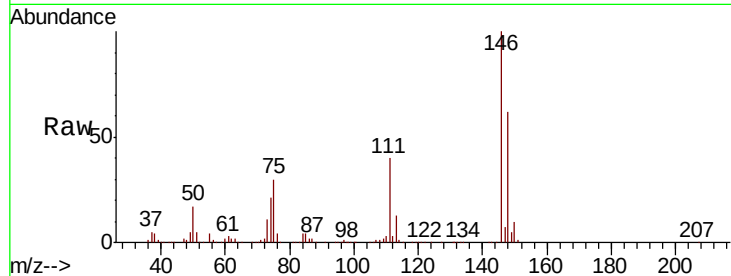




#63
 1,3-Dichlorobenzene
 Concen: 23.240 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

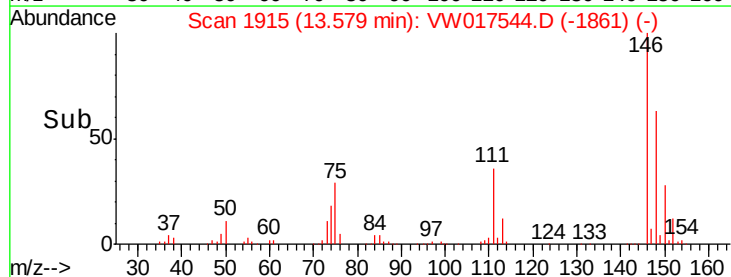
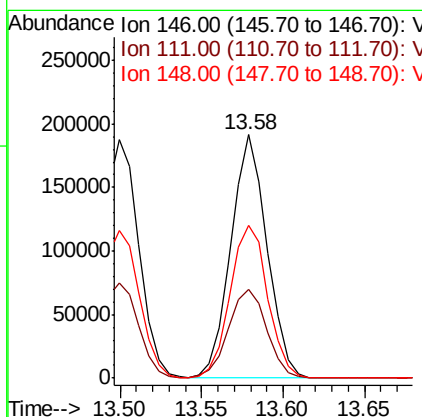
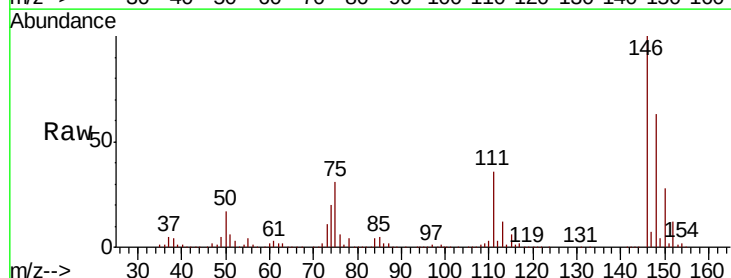
Instrument :
 MSVOA_W
 ClientSampled :

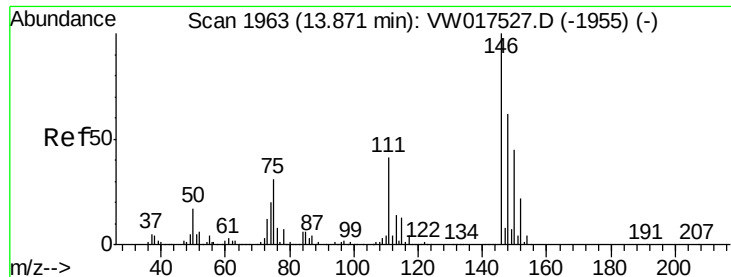
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.5	52.9
148	61.8	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 23.332 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.7	51.5
148	62.8	47.0	87.2

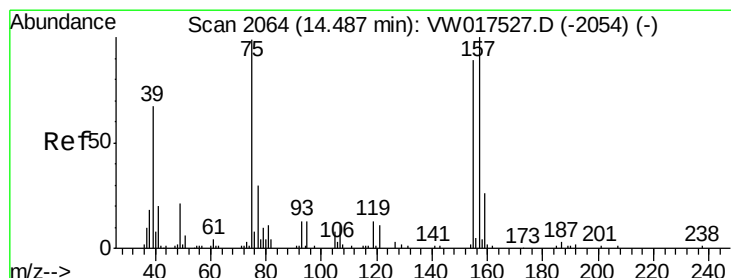
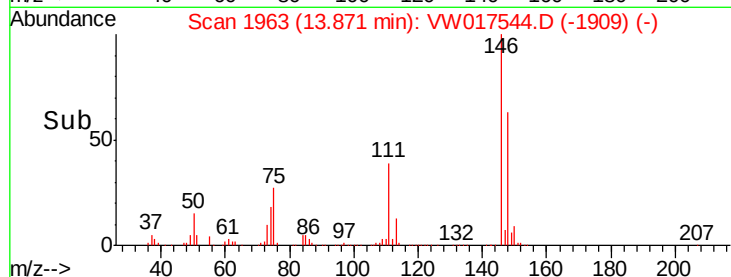
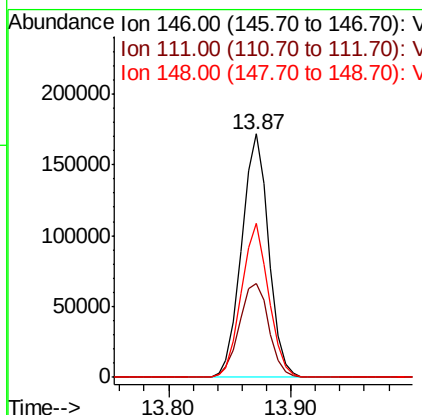
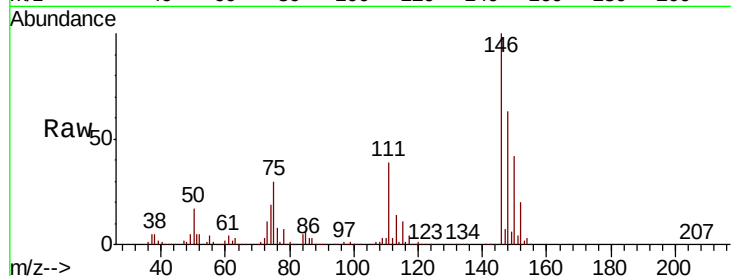




#65
 1,2-Dichlorobenzene
 Concen: 23.602 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

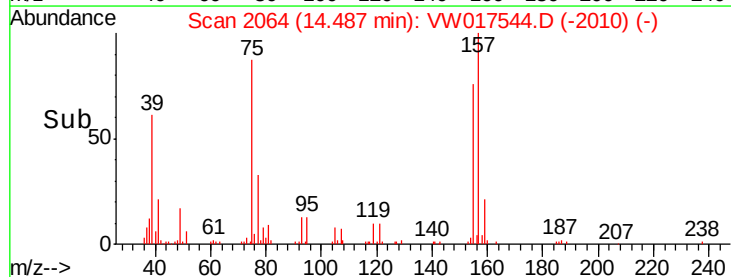
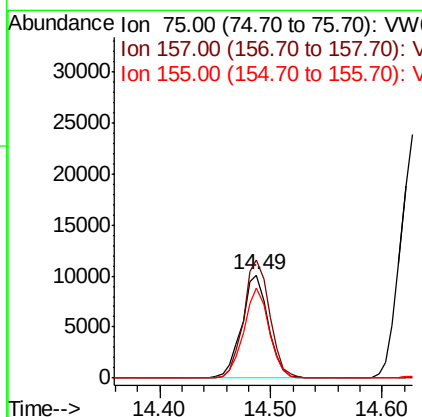
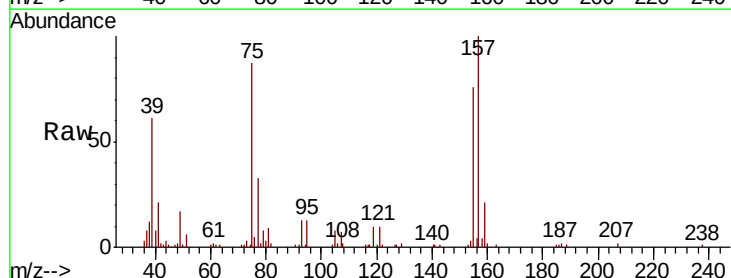
Instrument :
 MSVOA_W
 ClientSampleId :

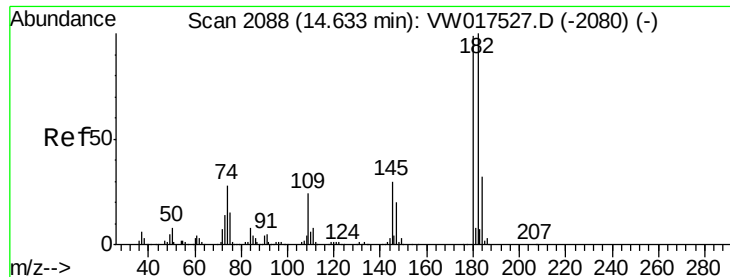
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	31.7	47.5
148	63.4	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.257 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.5	99.9	149.9
155	87.0	71.4	107.0

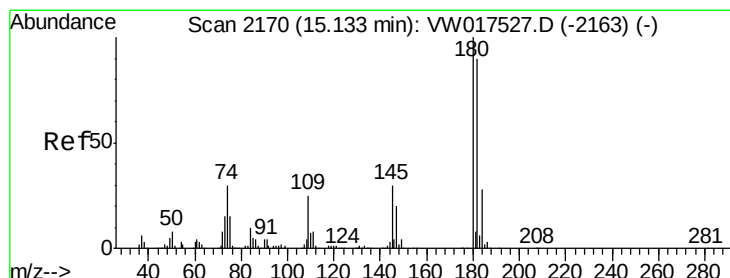
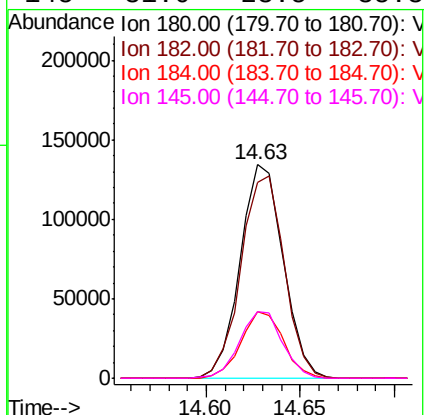
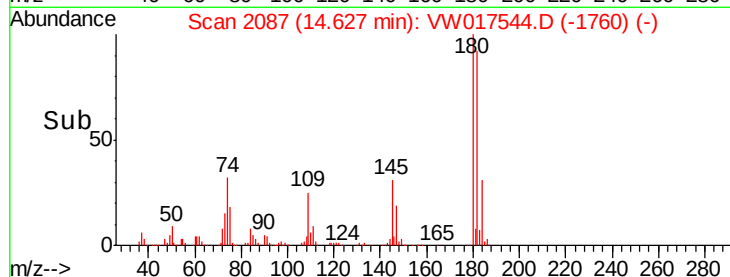
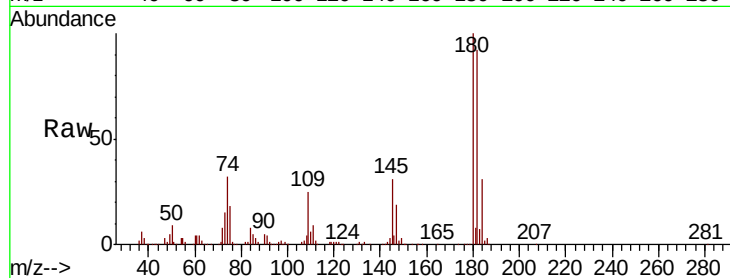




#67
 1,3,5-Trichlorobenzene
 Concen: 23.289 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

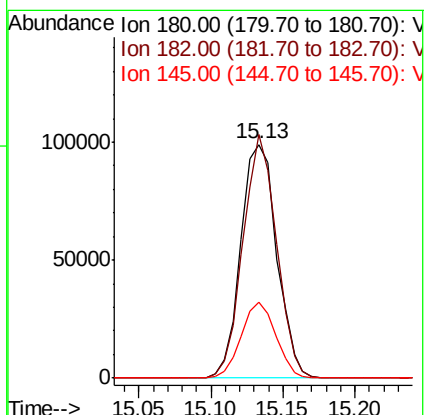
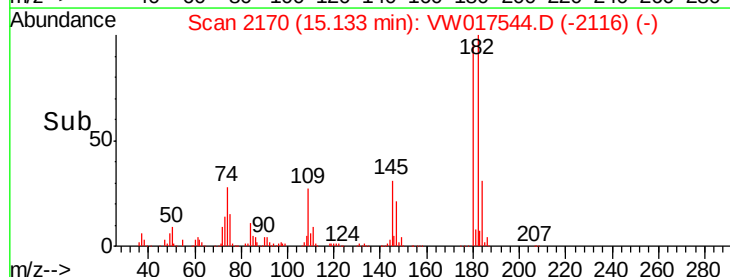
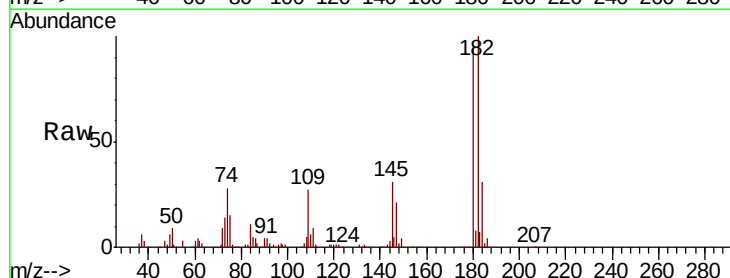
Instrument :
 MSVOA_W
 ClientSampleId :

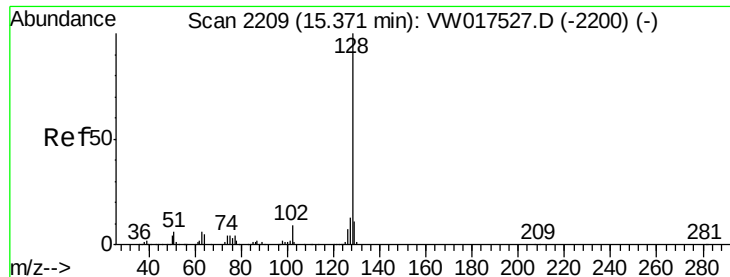
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
184	30.6	24.2	36.4
145	31.0	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 23.165 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017544.D
 Acq: 04 Dec 2020 09:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	71.3	106.9
145	31.1	24.0	36.0





#69

Naphthalene

Concen: 23.886 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

Instrument :

MSVOA_W

ClientSampleId :

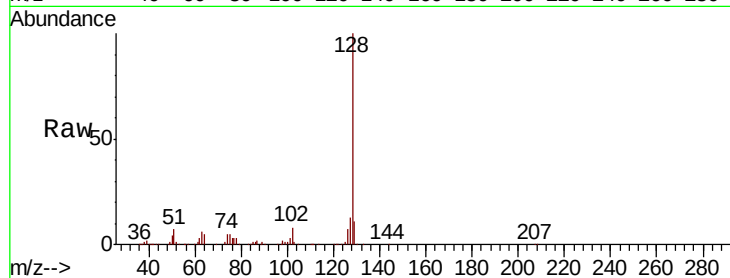
Tot Ion:128 Resp: 273246

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.3 10.7 16.1

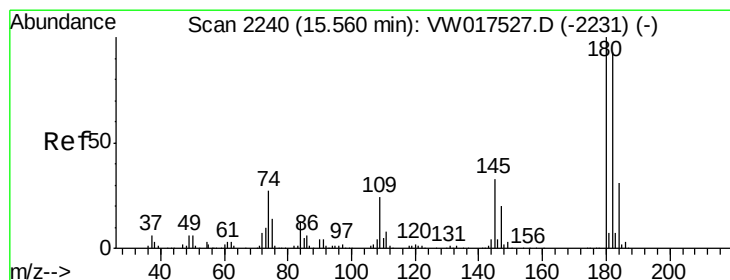
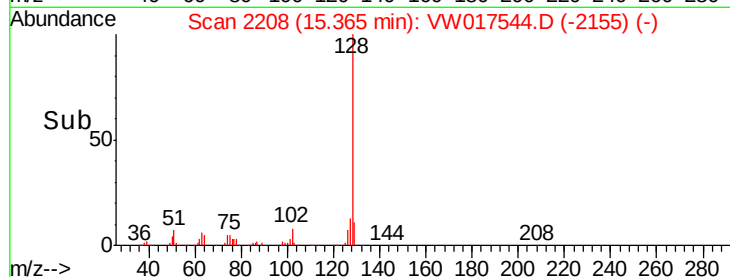
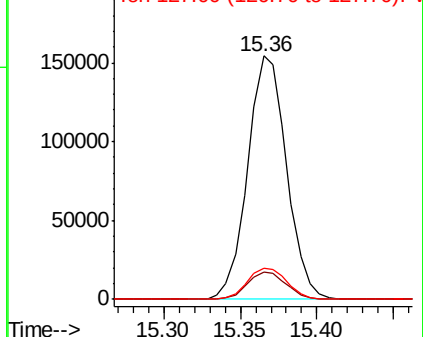


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.346 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017544.D

Acq: 04 Dec 2020 09:56

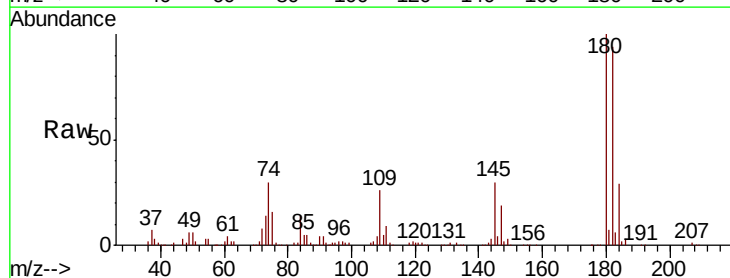
Tgt Ion:180 Resp: 150455

Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

145 32.3 25.4 38.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

