

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081220\
 Data File : VW016145.D
 Acq On : 12 Aug 2020 07:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 01:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 12 11:37:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	447725	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	407608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192064	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122324	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
7) Chloroethane-d5	2.89	69	91295	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	4.01	63	288527	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.88%
20) 2-Butanone-d5	7.09	46	65335	44.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.46%
24) Chloroform-d	7.65	84	274839	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	141793	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.27	84	527064	23.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.08%
33) 1,2-Dichloropropane-d6	9.28	67	150962	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.60%
37) Toluene-d8	10.32	98	489968	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.36%
38) trans-1,3-Dichloropropene-	10.58	79	67702	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
39) 2-Hexanone-d5	10.93	63	53628	47.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128574	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	160662	23.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	147111	32.526	ug/L 95
3) Chloromethane	2.21	50	121463	27.042	ug/L 97
5) Vinyl chloride	2.37	62	164383	27.575	ug/L 99
6) Bromomethane	2.79	94	98953	26.504	ug/L 100
8) Chloroethane	2.93	64	89474	26.654	ug/L 96
9) Trichlorofluoromethane	3.26	101	129512	30.437	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163764	27.233	ug/L 98
12) 1,1-Dichloroethene	4.03	96	161588	28.120	ug/L 95
13) Acetone	4.15	43	62857	56.886	ug/L 96
14) Carbon disulfide	4.38	76	523119	29.001	ug/L 99
15) Methyl Acetate	4.68	43	66781	25.704	ug/L 99
16) Methylene chloride	4.91	84	164839	23.316	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	221886	27.248	ug/L # 90
18) trans-1,2-Dichloroethene	5.42	96	169632	28.063	ug/L 92
19) 1,1-Dichloroethane	6.21	63	284082	26.562	ug/L 99
21) 2-Butanone	7.18	43	92803	52.993	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	170813	26.787	ug/L 98

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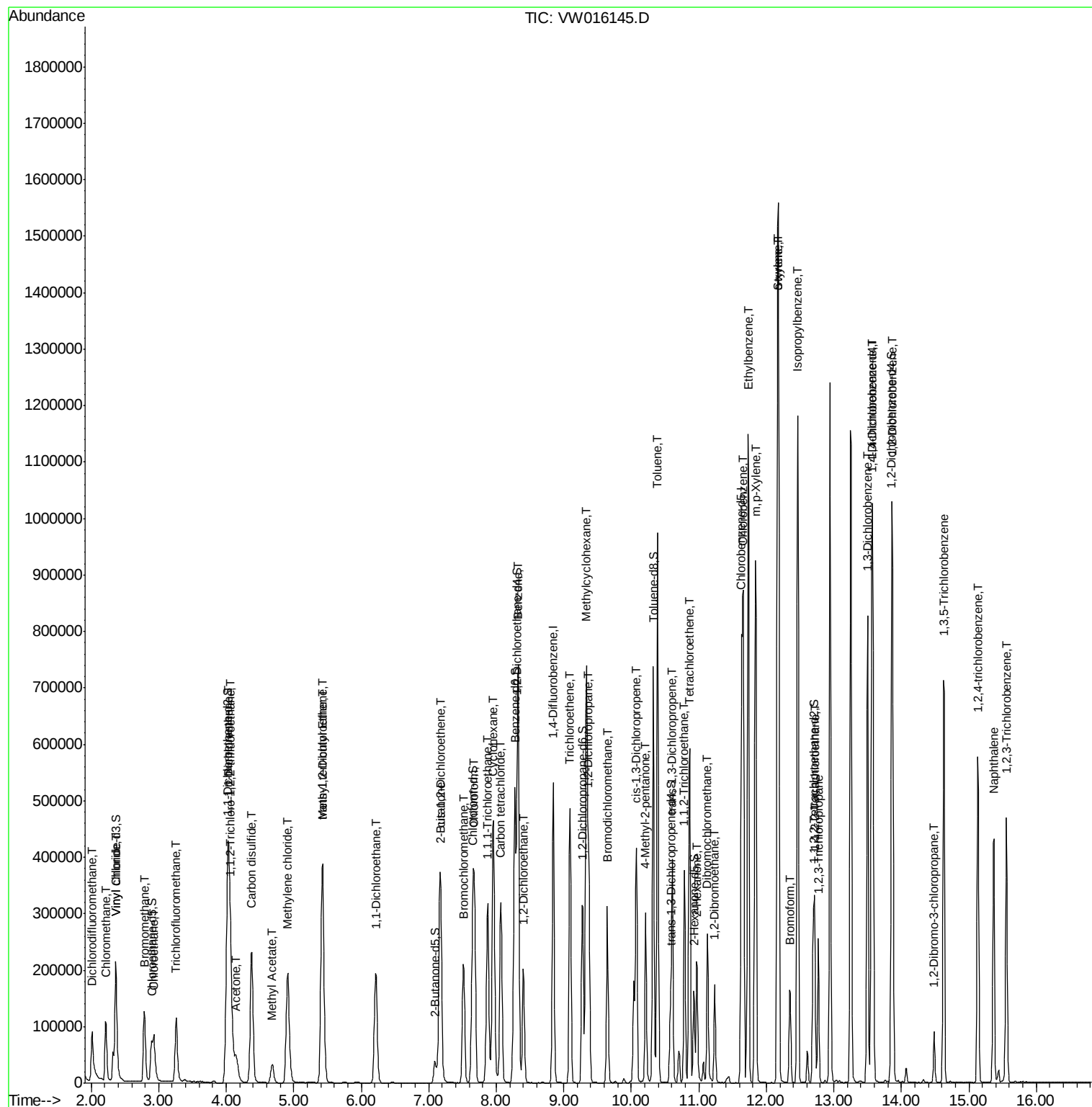
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	76685	26.202	ug/L	98
25) Chloroform	7.68	83	295460	25.967	ug/L	99
27) 1,2-Dichloroethane	8.40	62	187119	24.688	ug/L	98
30) Cyclohexane	7.96	56	266031	29.996	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	265319	28.327	ug/L	99
32) Carbon tetrachloride	8.07	117	245861	27.754	ug/L	98
34) Benzene	8.32	78	656859	27.945	ug/L	100
35) Trichloroethene	9.09	95	176719	27.960	ug/L	99
36) Methylcyclohexane	9.34	83	307036	29.489	ug/L	98
40) 1,2-Dichloropropane	9.37	63	156347	27.086	ug/L	100
41) Bromodichloromethane	9.65	83	211262	26.643	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	247580	28.163	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	184945	53.270	ug/L	99
44) Toluene	10.39	91	706669	28.480	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	220590	27.934	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	122470	26.954	ug/L	97
47) Tetrachloroethene	10.87	164	131822	27.821	ug/L	96
49) 2-Hexanone	10.97	43	132518	56.566	ug/L	98
50) Dibromochloromethane	11.13	129	141005	26.349	ug/L	98
51) 1,2-Dibromoethane	11.24	107	118158	27.430	ug/L	98
52) Chlorobenzene	11.66	112	447317	27.247	ug/L	98
53) Ethylbenzene	11.73	91	792100	28.136	ug/L	100
54) m,p-Xylene	11.84	106	301450	28.466	ug/L	94
55) o-xylene	12.17	106	287897	28.862	ug/L	97
56) Styrene	12.18	104	497886	28.830	ug/L	98
57) Isopropylbenzene	12.47	105	783513	29.133	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	141761	26.740	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	106312	26.470	ug/L	99
62) Bromoform	12.35	173	75543	26.010	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	330644	27.256	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	333802	27.011	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	294541	26.482	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24083	24.693	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	217424	28.405	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	177867	28.670	ug/L	98
69) Naphthalene	15.37	128	379838	29.006	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	159079	28.224	ug/L	98

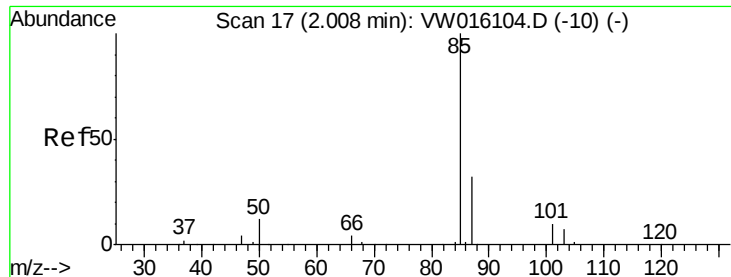
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 32.526 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

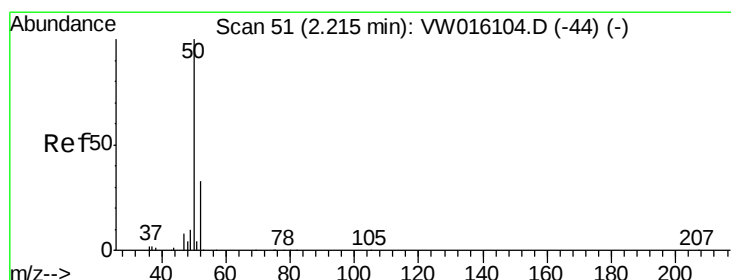
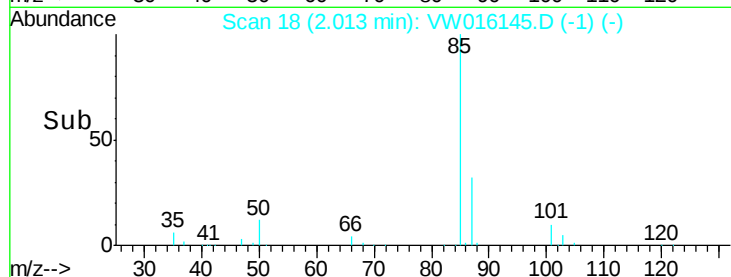
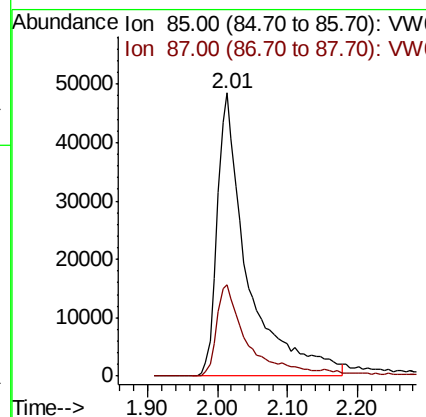
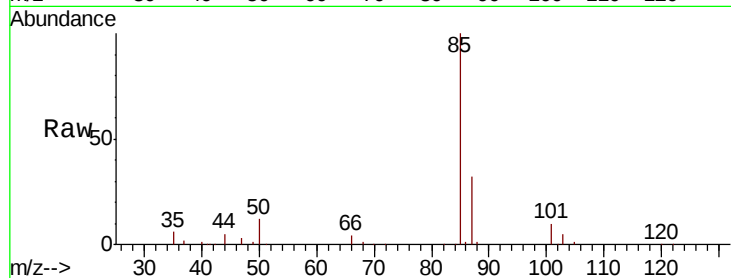
ClientSampled :

Tot Ion: 85 Resp: 147111

Ion Ratio Lower Upper

85 100

87 28.9 22.0 41.0



#3

Chloromethane

Concen: 27.042 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016145.D

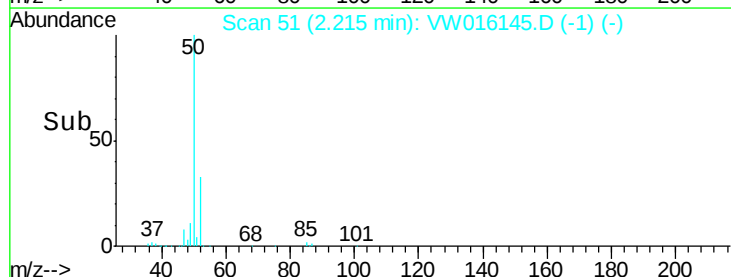
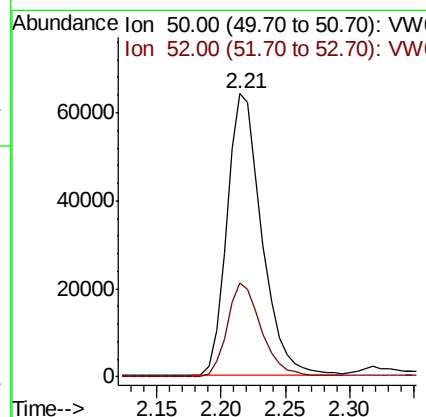
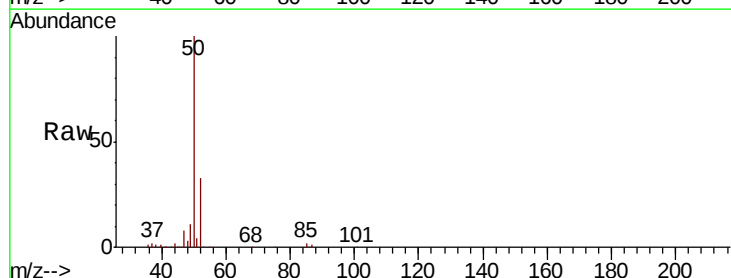
Acq: 12 Aug 2020 07:56

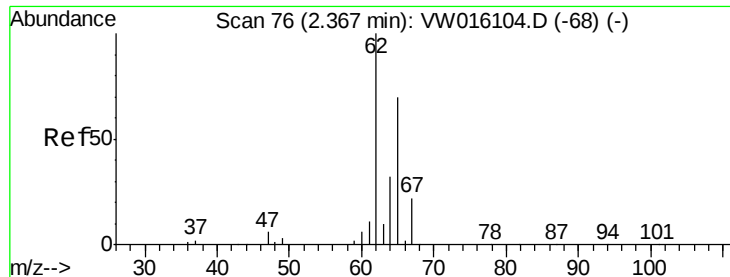
Tgt Ion: 50 Resp: 121463

Ion Ratio Lower Upper

50 100

52 33.0 22.0 40.8





#5

Vinyl chloride

Concen: 27.575 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

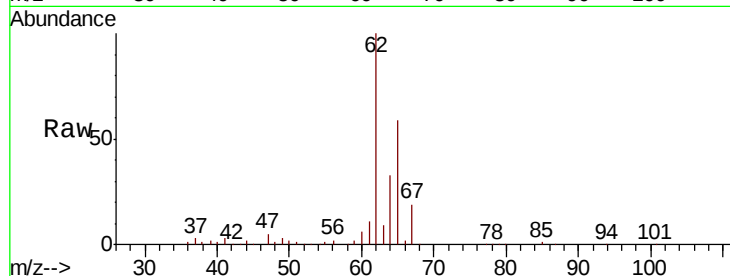
ClientSampleId :

Tot Ion: 62 Resp: 164383

Ion Ratio Lower Upper

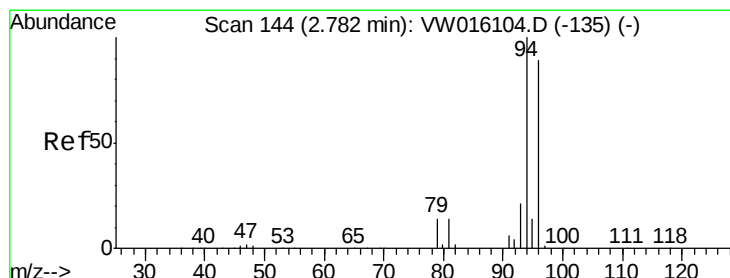
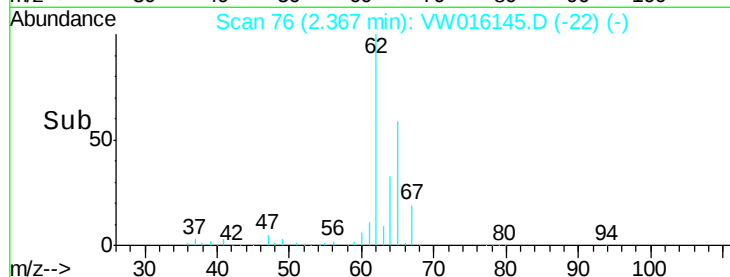
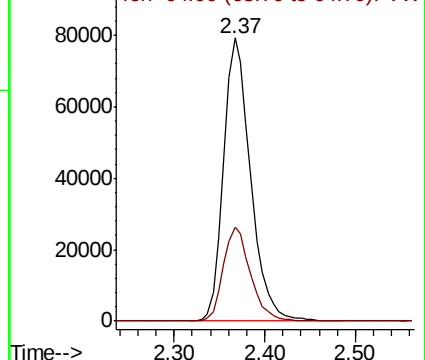
62 100

64 33.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.504 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016145.D

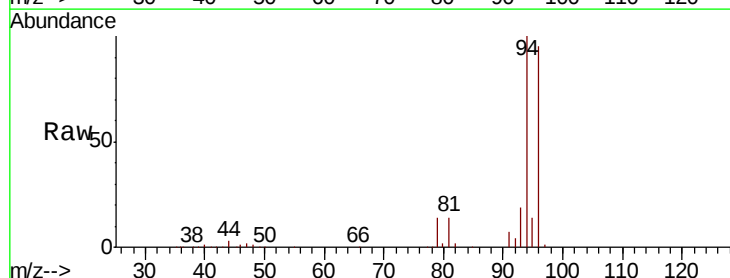
Acq: 12 Aug 2020 07:56

Tgt Ion: 94 Resp: 98953

Ion Ratio Lower Upper

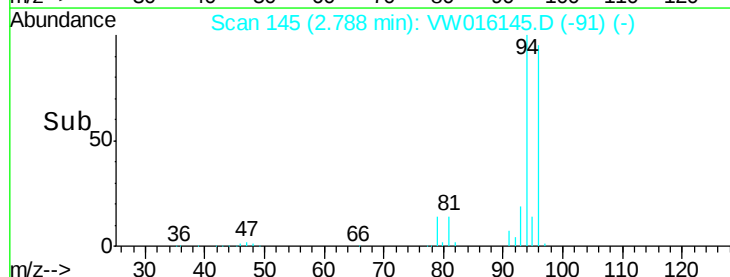
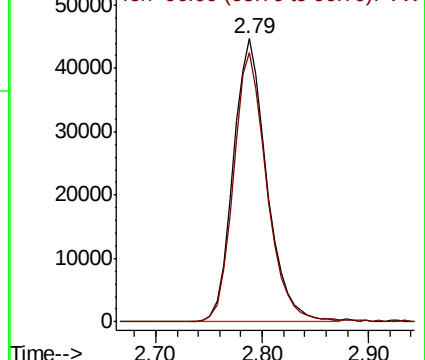
94 100

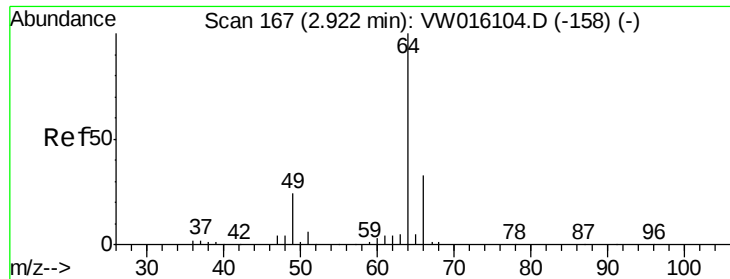
96 93.8 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

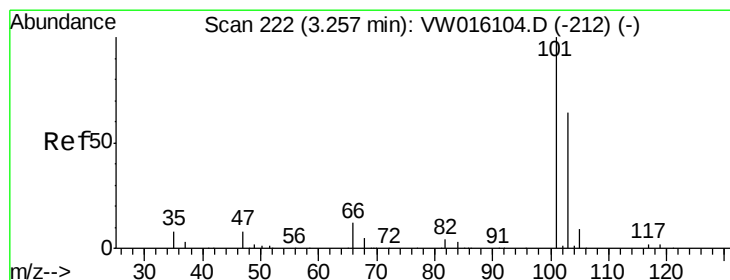
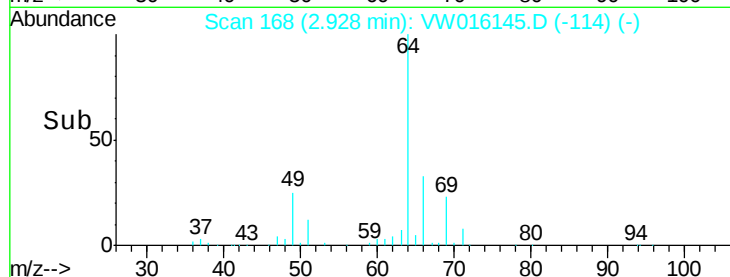
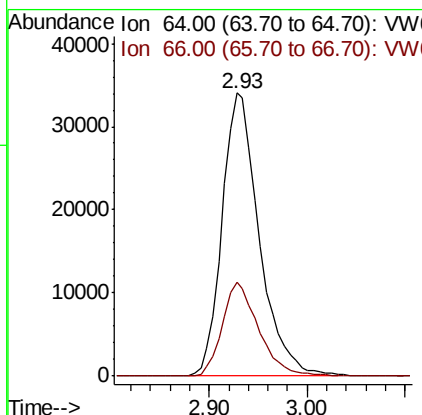
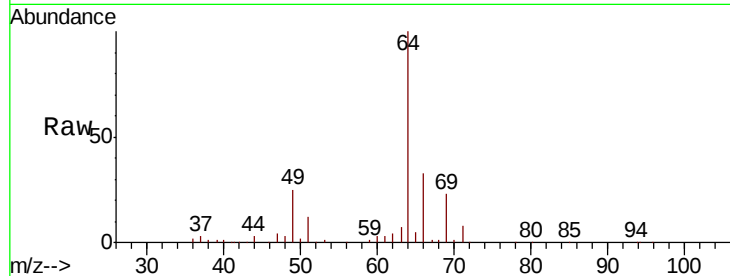




#8
Chloroethane
Concen: 26.654 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

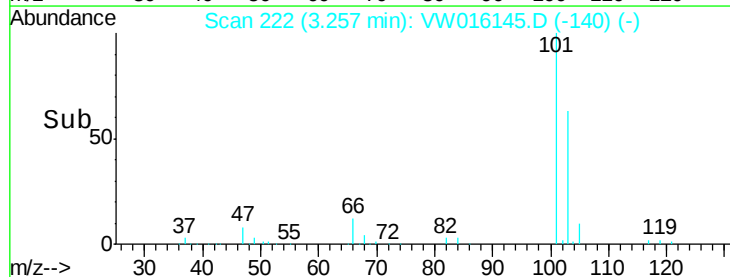
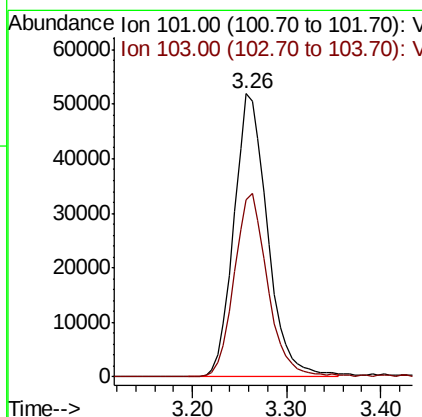
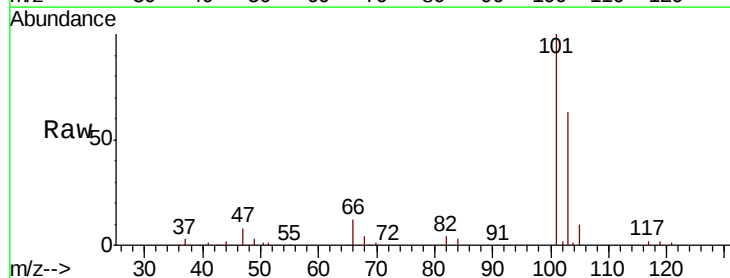
Instrument :
MSVOA_W
ClientSampleId :

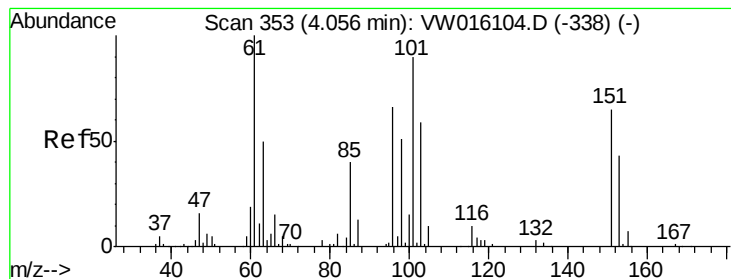
Tot Ion: 64 Resp: 89474
Ion Ratio Lower Upper
64 100
66 33.3 21.8 40.4



#9
Trichlorofluoromethane
Concen: 30.437 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion: 101 Resp: 129512
Ion Ratio Lower Upper
101 100
103 64.6 45.6 84.6





#11

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

Concen: 27.233 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampled :

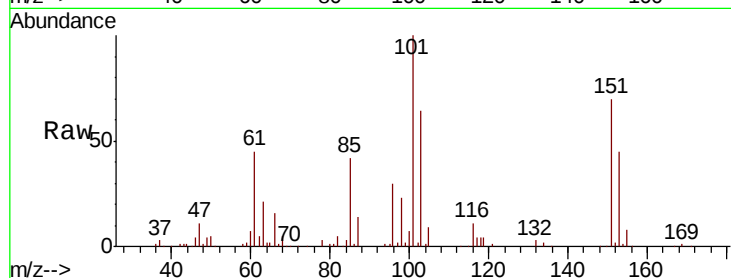
Tot Ion:101 Resp: 163764

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.4

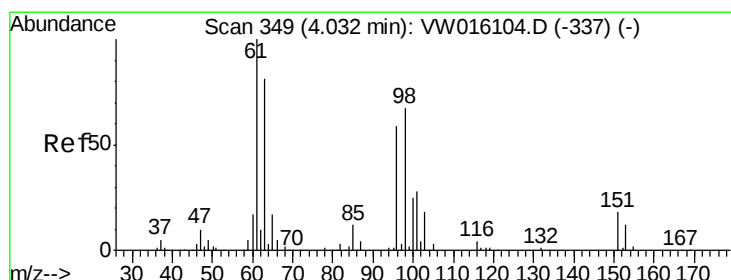
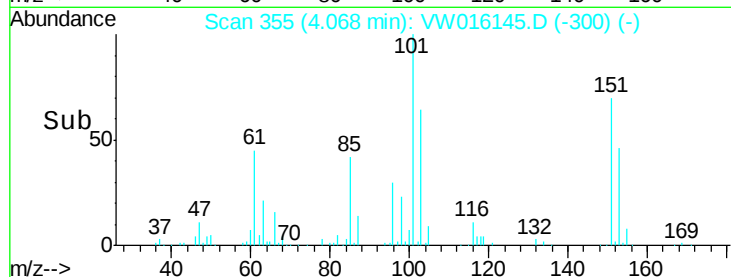
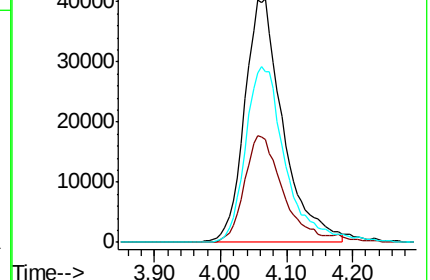
151 74.2 57.4 86.2



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: 28.120 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

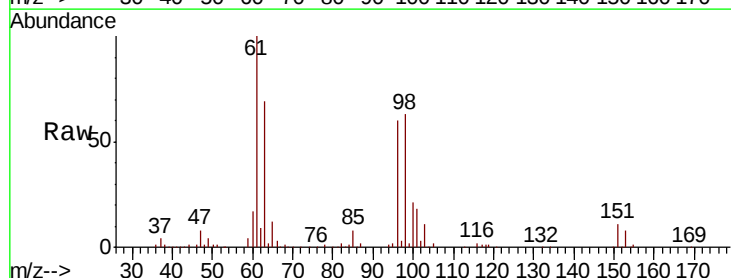
Tgt Ion: 96 Resp: 161588

Ion Ratio Lower Upper

96 100

61 166.3 120.2 223.2

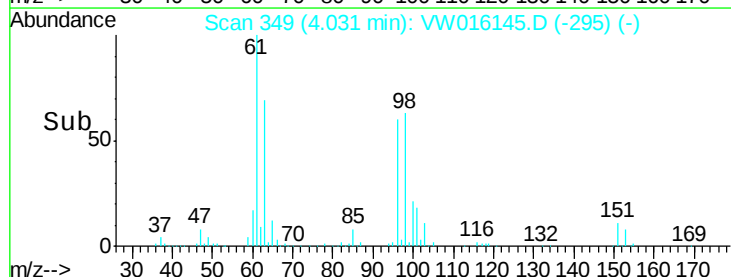
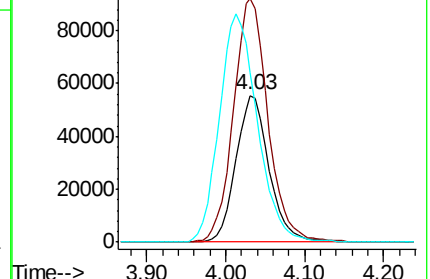
63 115.5 86.4 160.4

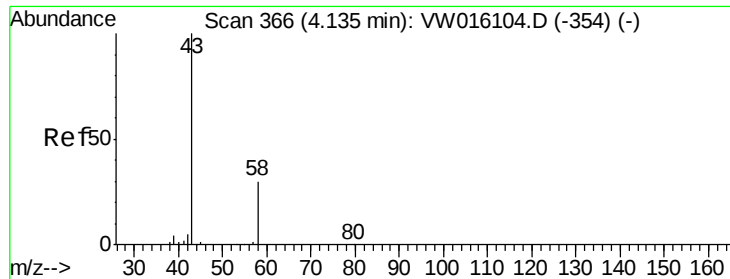


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.886 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

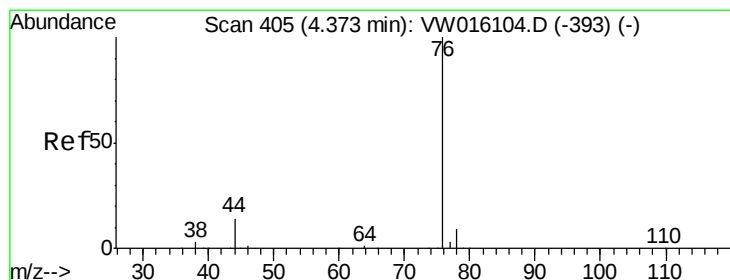
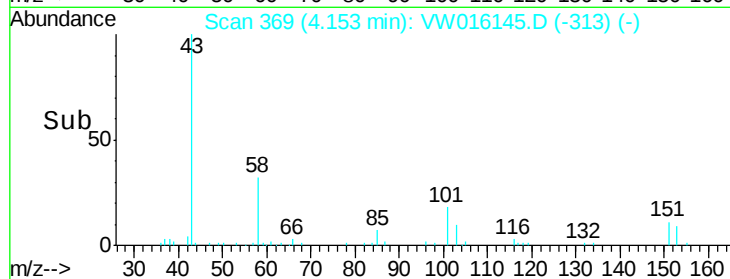
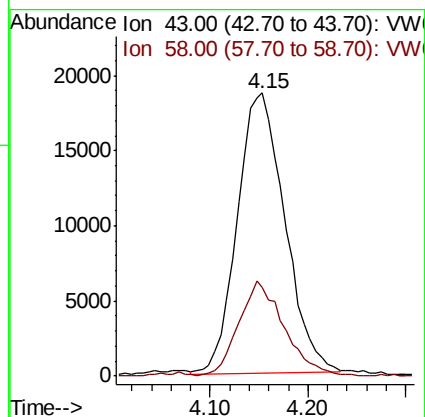
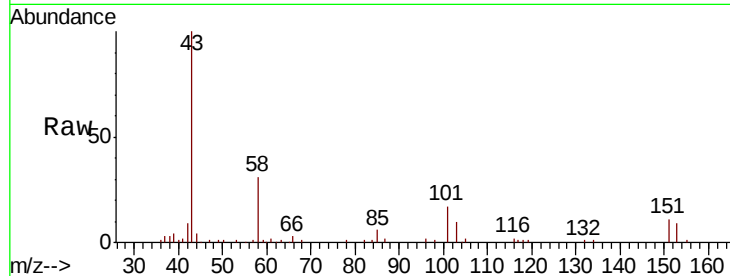
ClientSampleId :

Tot Ion: 43 Resp: 62857

Ion Ratio Lower Upper

43 100

58 31.7 0.0 59.4



#14

Carbon disulfide

Concen: 29.001 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW016145.D

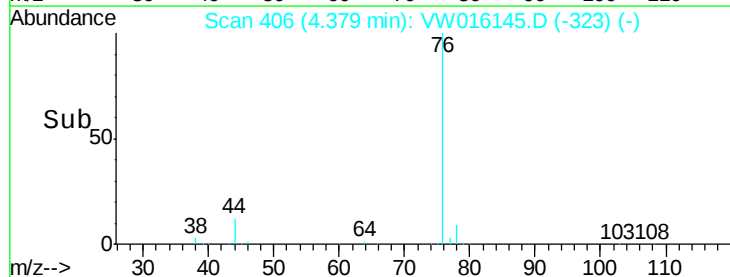
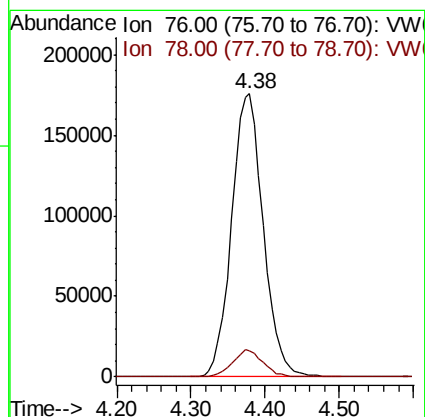
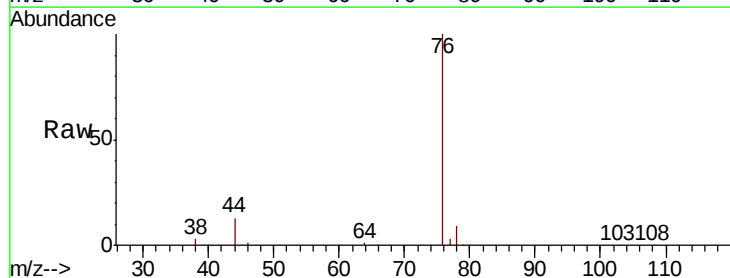
Acq: 12 Aug 2020 07:56

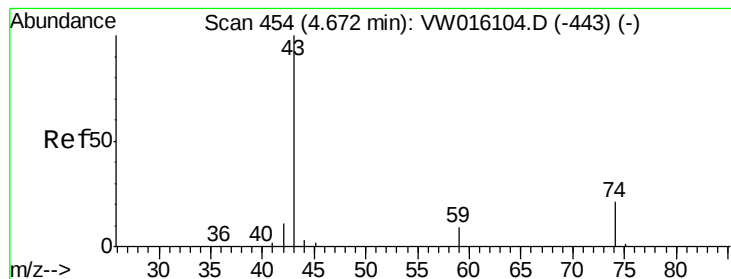
Tgt Ion: 76 Resp: 523119

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#15

Methvl Acetate

Concen: 25.704 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

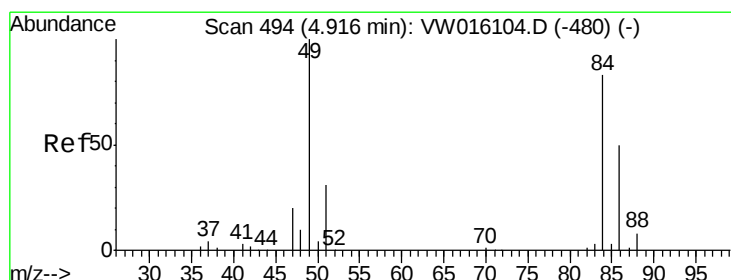
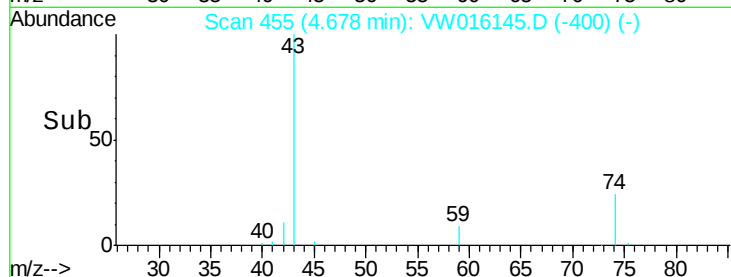
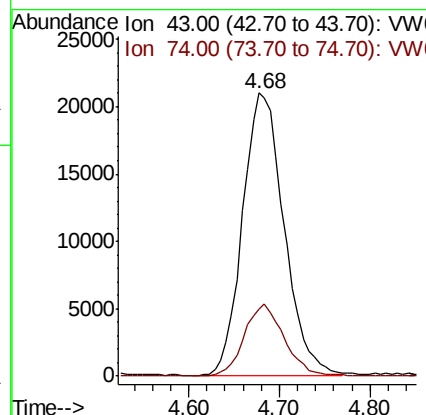
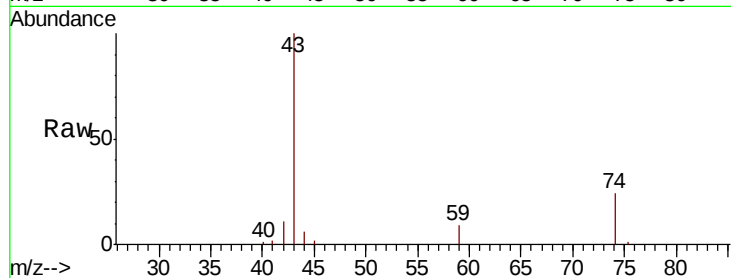
ClientSampleId :

Tot Ion: 43 Resp: 66781

Ion Ratio Lower Upper

43 100

74 24.2 18.9 28.3



#16

Methylene chloride

Concen: 23.316 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

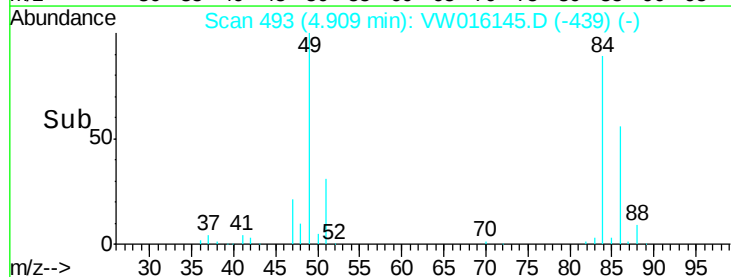
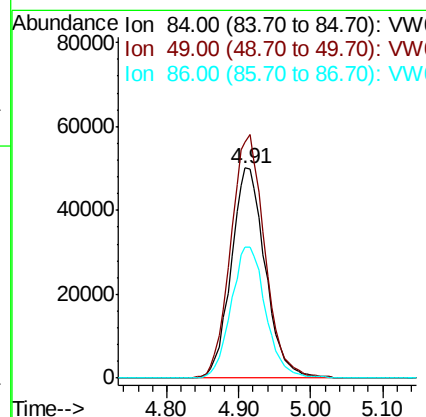
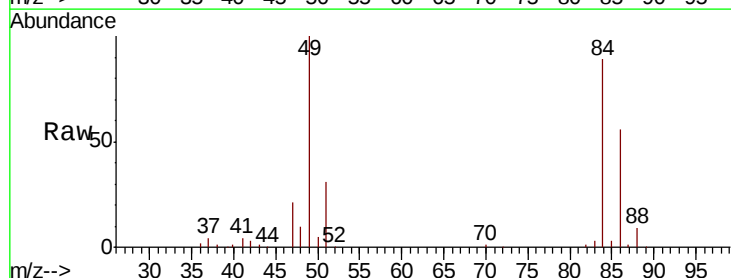
Tgt Ion: 84 Resp: 164839

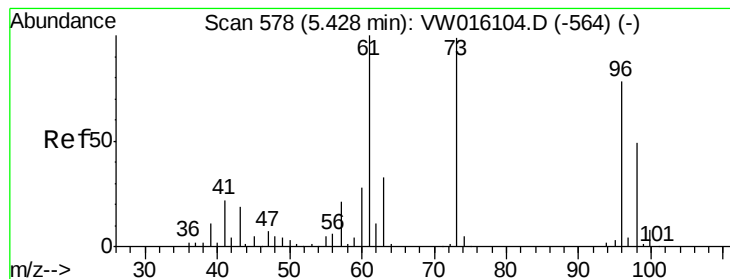
Ion Ratio Lower Upper

84 100

49 112.2 80.4 149.4

86 62.6 43.8 81.3



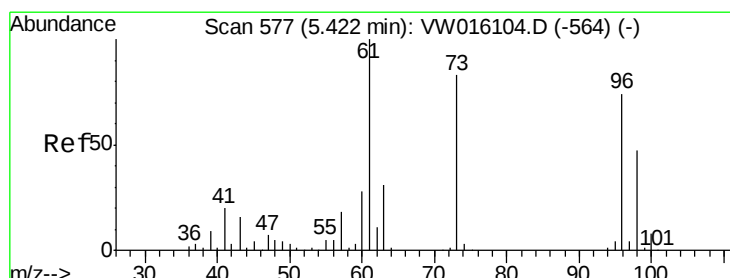
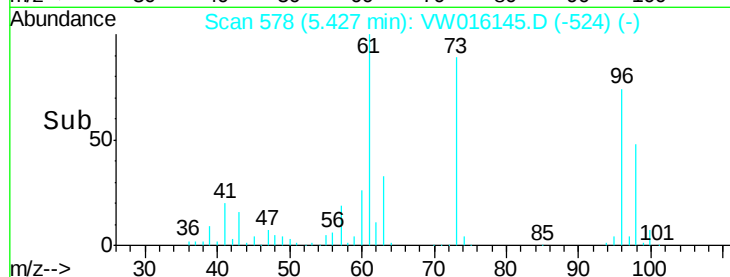
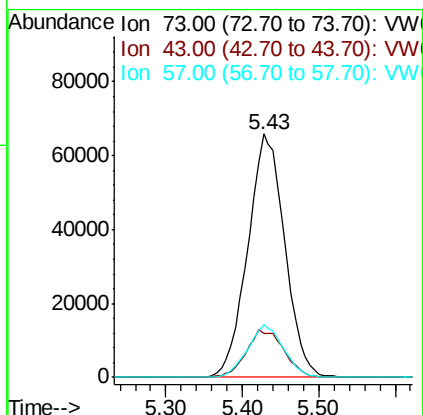
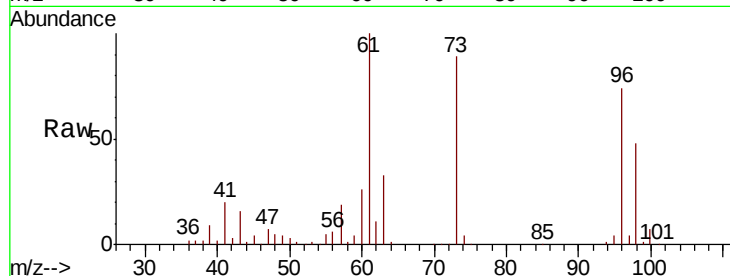


#17

Methyl tert-butyl Ether
 Concen: 27.248 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Instrument :
 MSVOA_W
 ClientSampleId :

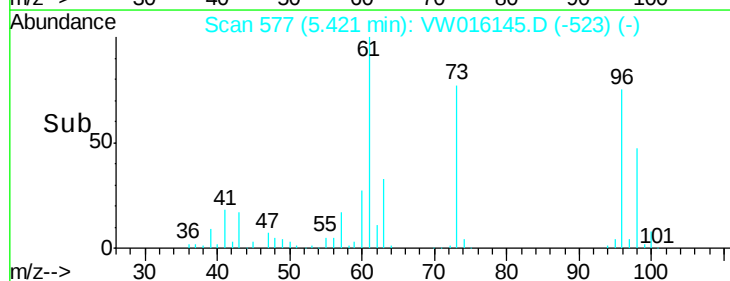
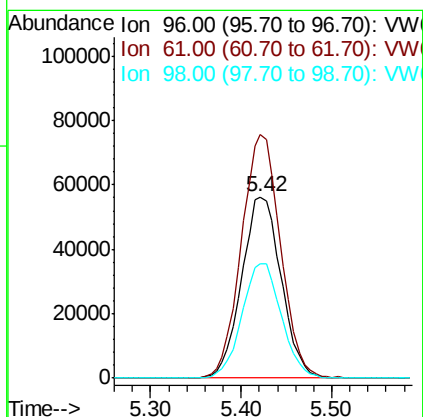
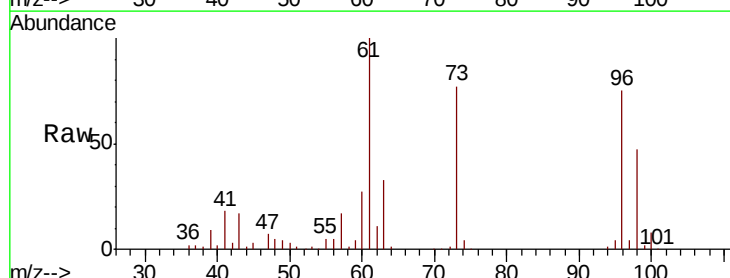
Tot Ion: 73 Resp: 221886
 Ion Ratio Lower Upper
 73 100
 43 12.0 16.6 24.8#
 57 21.0 17.1 25.7

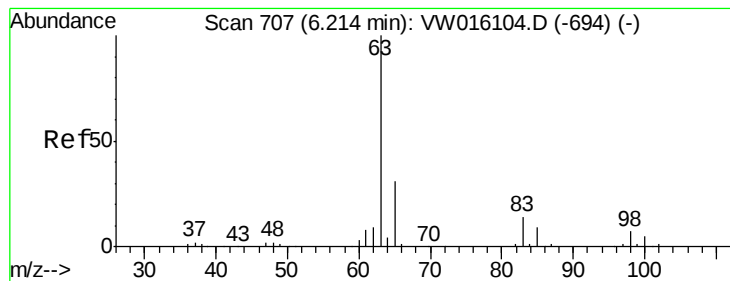


#18

trans-1,2-Dichloroethene
 Concen: 28.063 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion: 96 Resp: 169632
 Ion Ratio Lower Upper
 96 100
 61 134.2 101.6 188.8
 98 62.7 47.7 88.7





#19

1,1-Dichloroethane

Concen: 26.562 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampled :

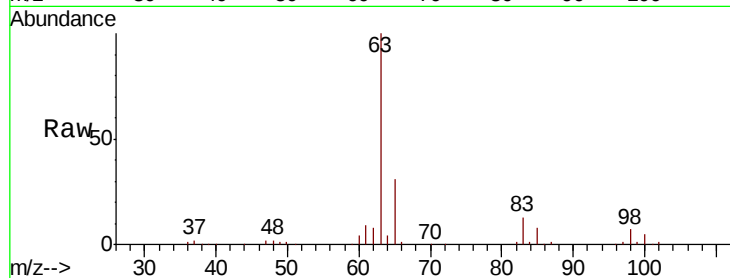
Tot Ion: 63 Resp: 284082

Ion Ratio Lower Upper

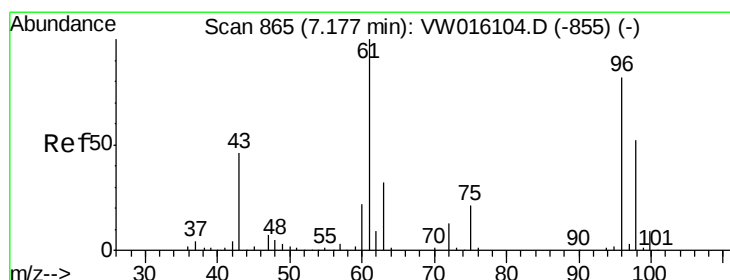
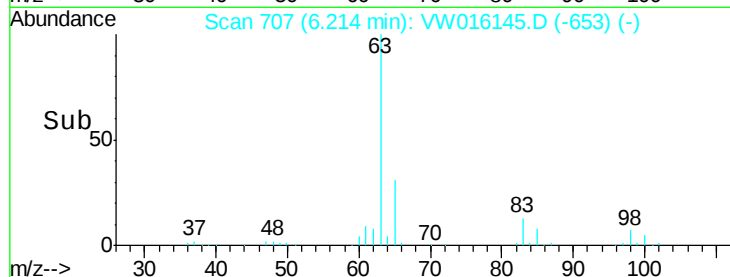
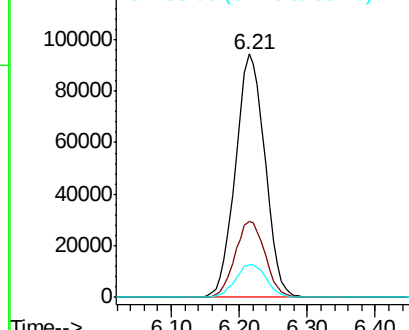
63 100

65 31.2 21.6 40.0

83 13.1 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 52.993 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016145.D

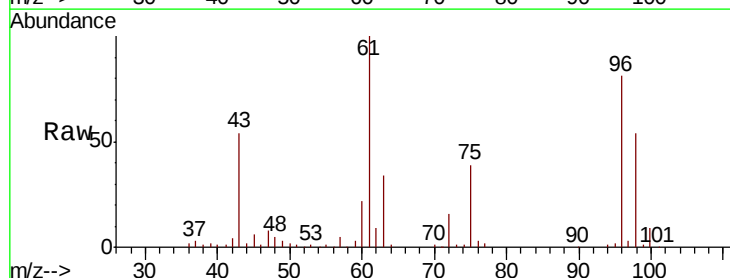
Acq: 12 Aug 2020 07:56

Tgt Ion: 43 Resp: 92803

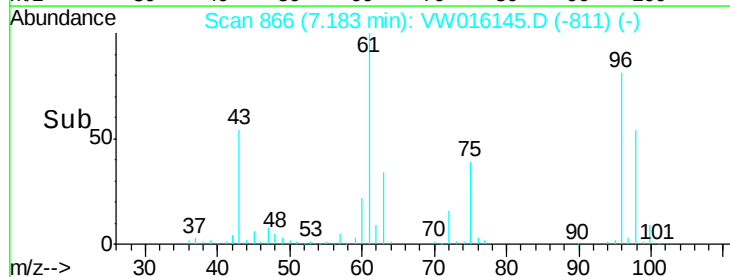
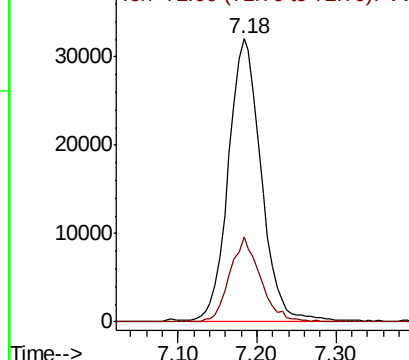
Ion Ratio Lower Upper

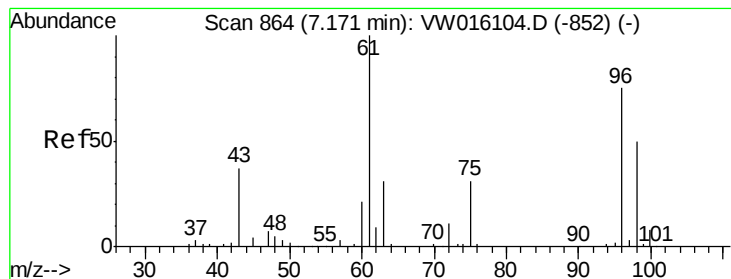
43 100

72 28.1 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



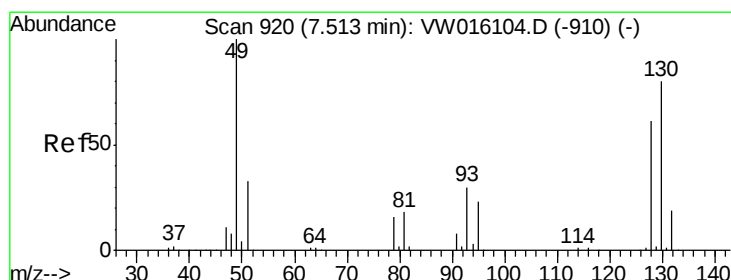
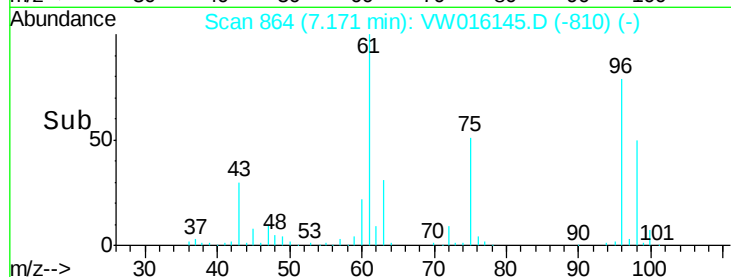
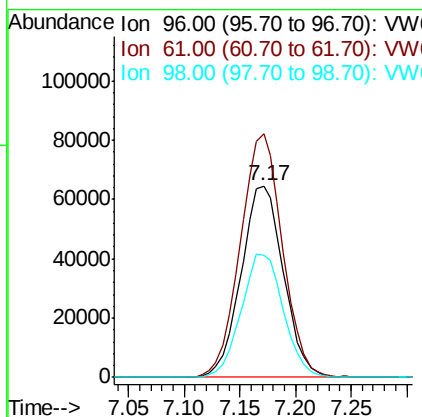
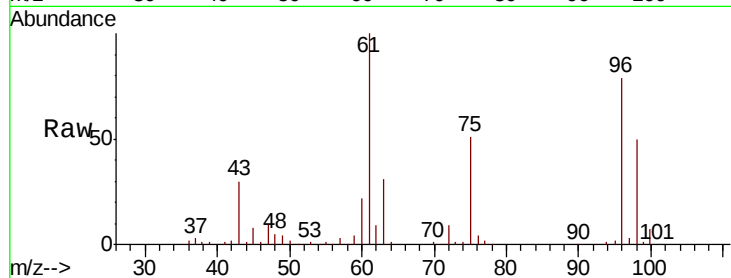


#22

cis-1,2-Dichloroethene
 Concen: 26.787 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Instrument :
 MSVOA_W
 ClientSampled :

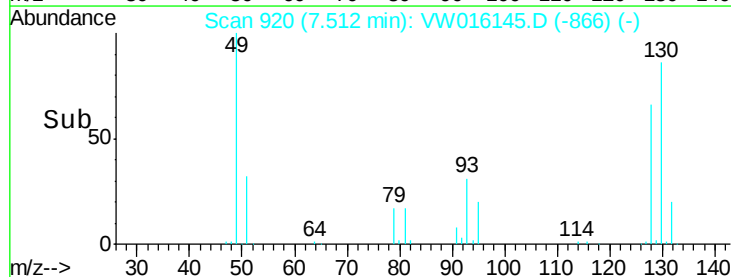
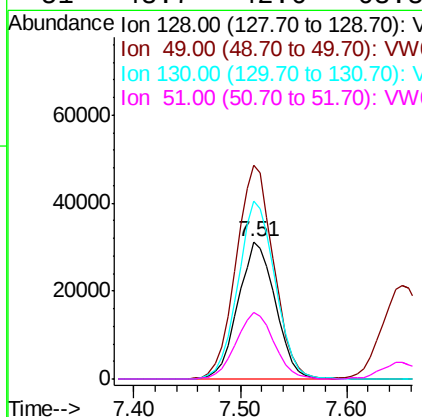
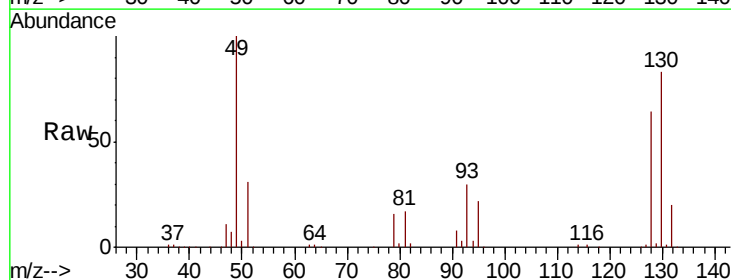
Tot Ion: 96 Resp: 170813
 Ion Ratio Lower Upper
 96 100
 61 127.3 87.0 161.6
 98 63.5 44.0 81.6

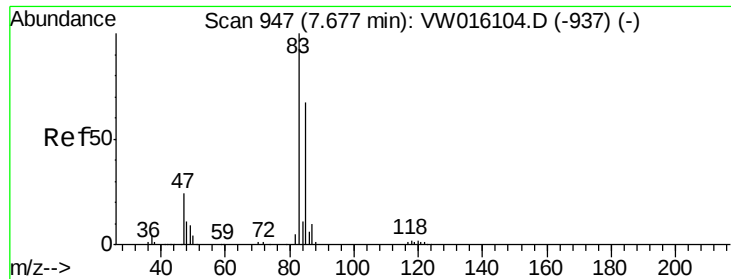


#23

Bromochloromethane
 Concen: 26.202 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion: 128 Resp: 76685
 Ion Ratio Lower Upper
 128 100
 49 155.9 111.8 207.6
 130 129.7 90.6 168.3
 51 48.7 42.6 63.8

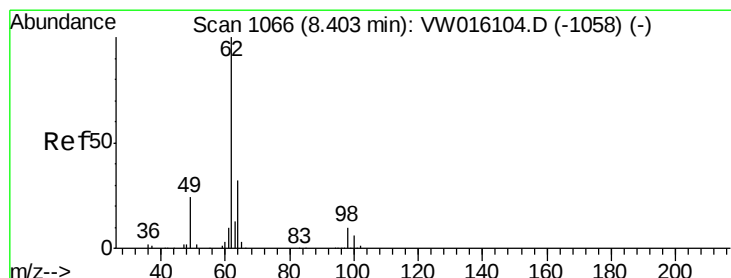
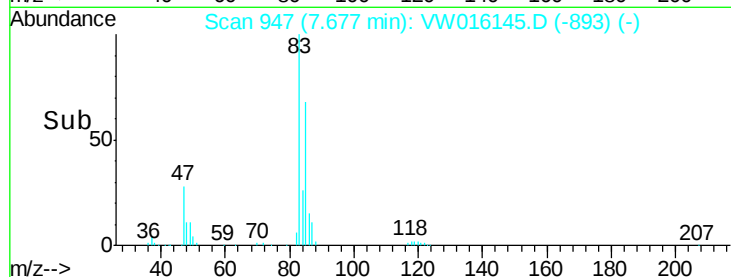
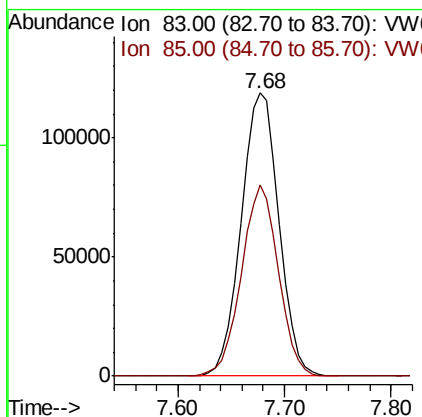
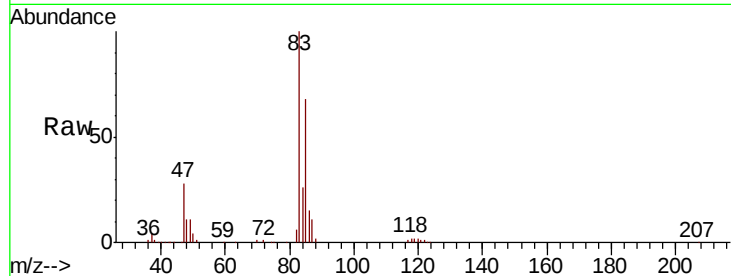




#25
Chloroform
Concen: 25.967 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

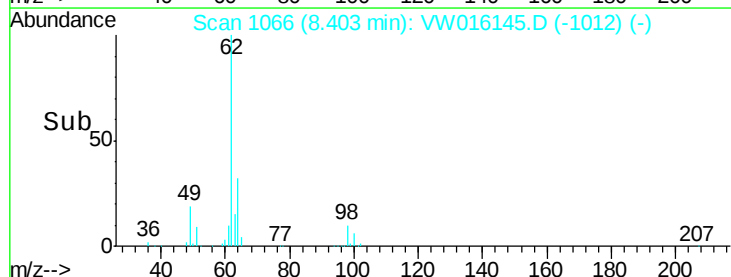
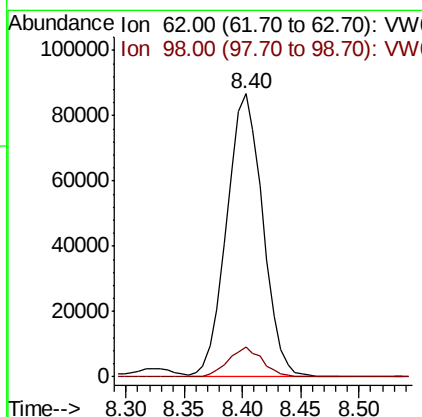
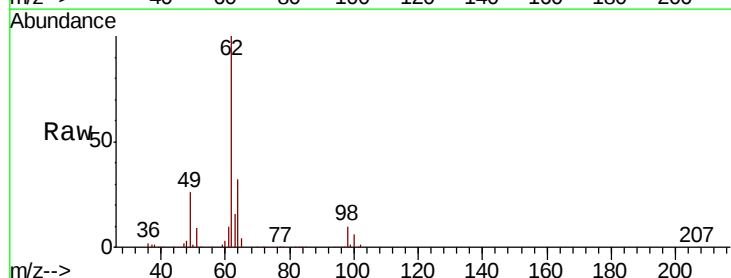
Instrument :
MSVOA_W
ClientSampled :

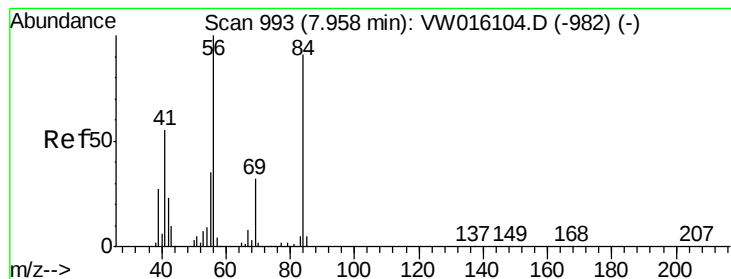
Tot Ion: 83 Resp: 295460
Ion Ratio Lower Upper
83 100
85 66.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 24.688 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion: 62 Resp: 187119
Ion Ratio Lower Upper
62 100
98 10.4 7.7 11.5





#30

Cyclohexane

Concen: 29.996 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampleId :

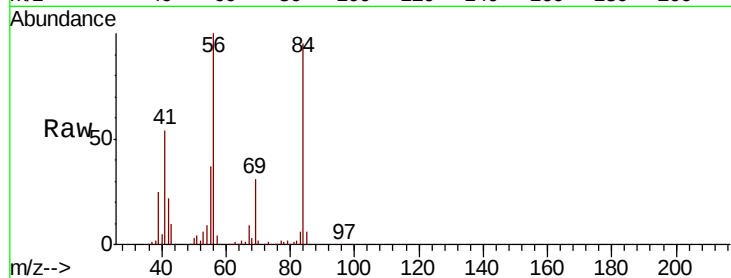
Tot Ion: 56 Resp: 266031

Ion Ratio Lower Upper

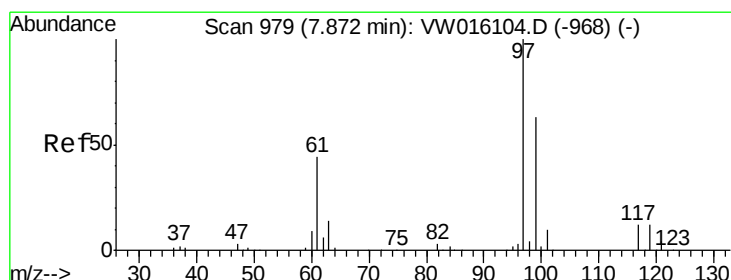
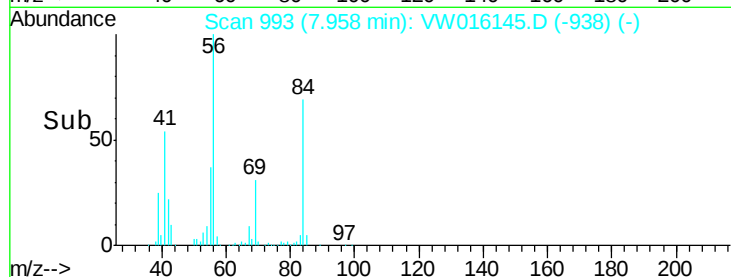
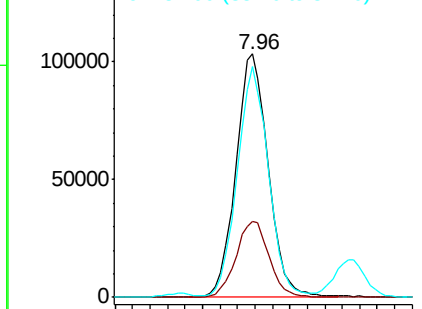
56 100

69 31.8 25.4 38.0

84 91.0 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.327 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

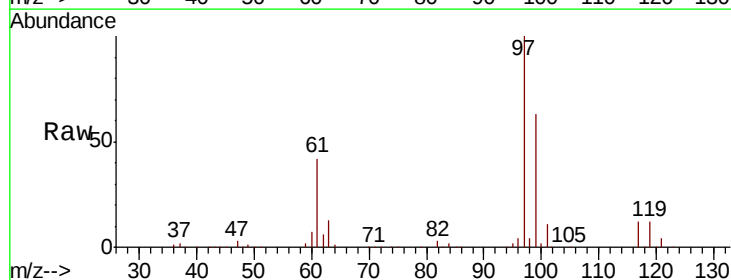
Tgt Ion: 97 Resp: 265319

Ion Ratio Lower Upper

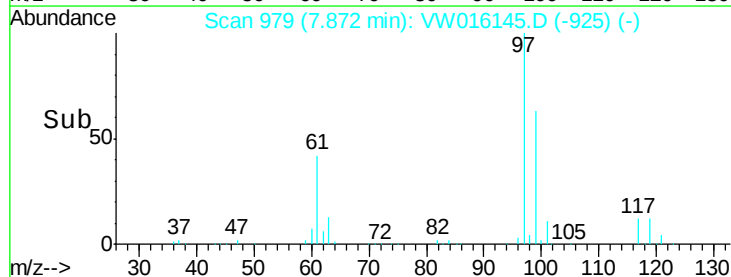
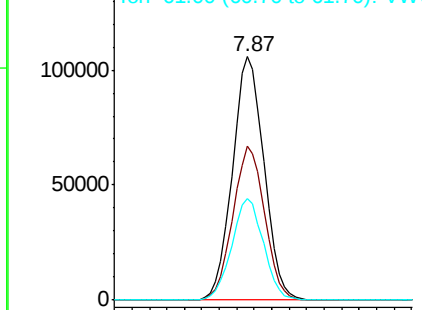
97 100

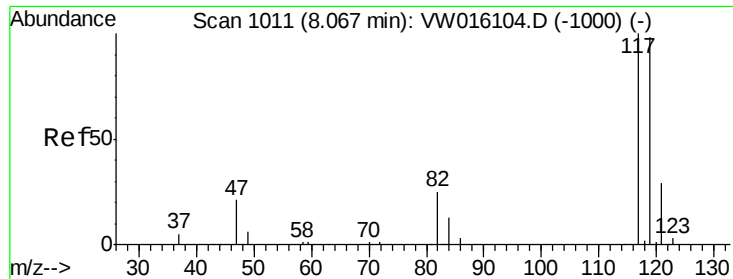
99 63.6 51.6 77.4

61 42.3 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.754 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

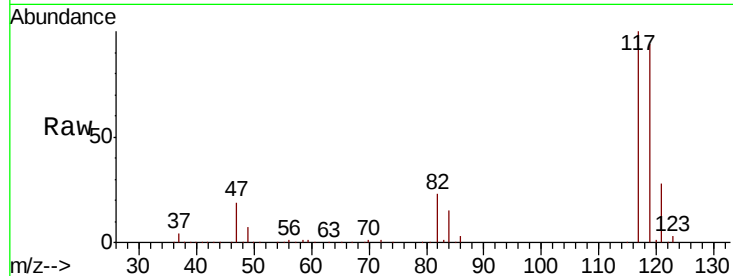
ClientSampled :

Tot Ion:117 Resp: 245861

Ion Ratio Lower Upper

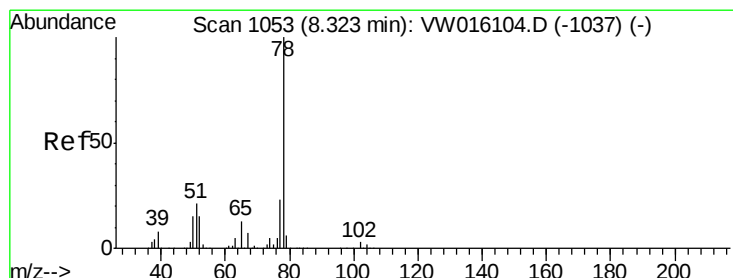
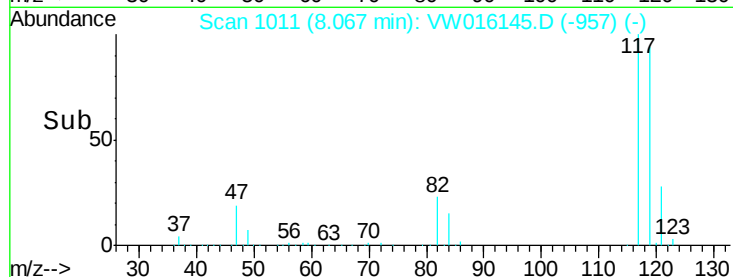
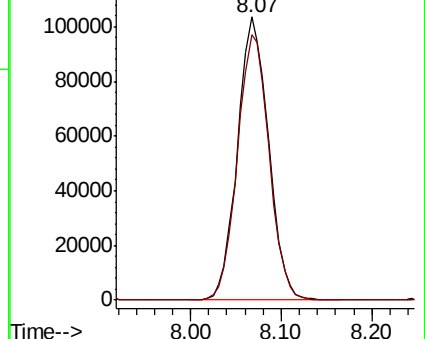
117 100

119 95.6 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.945 ug/L

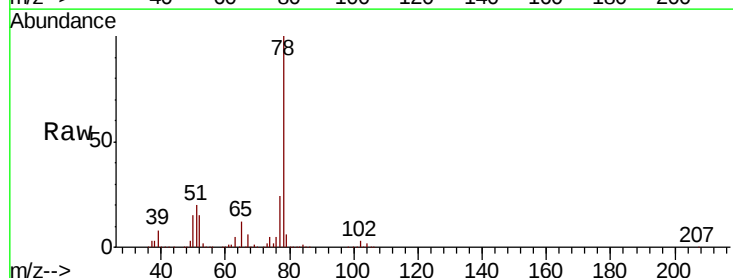
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

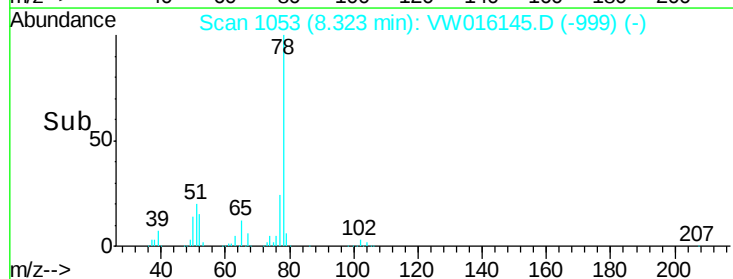
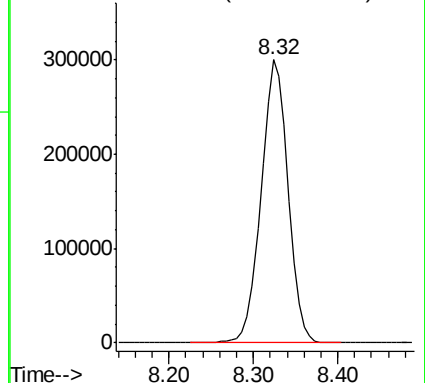
Lab File: VW016145.D

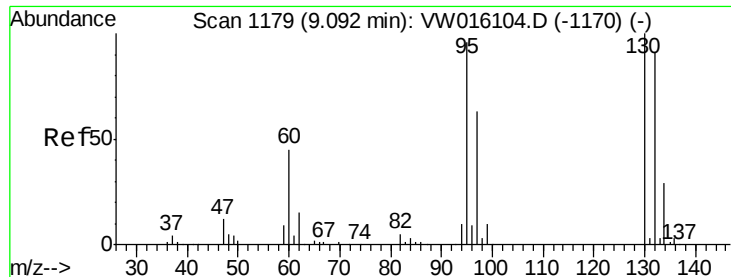
Acq: 12 Aug 2020 07:56

Tgt Ion: 78 Resp: 656859



Abundance Ion 78.00 (77.70 to 78.70): VW

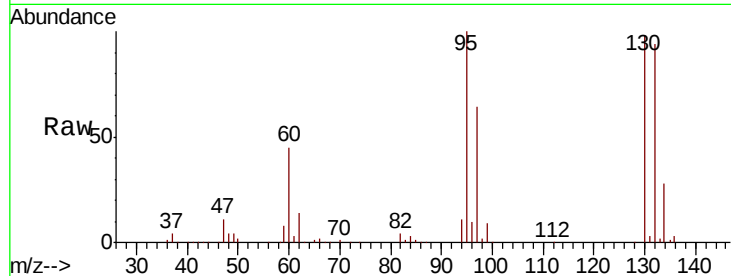




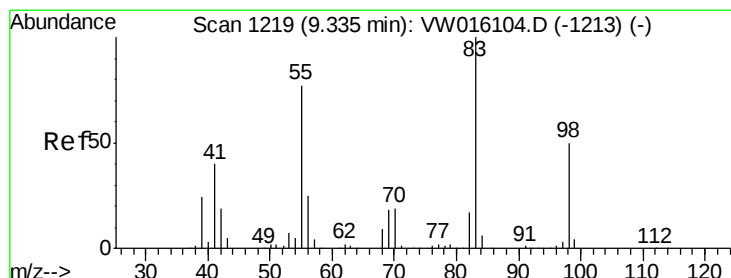
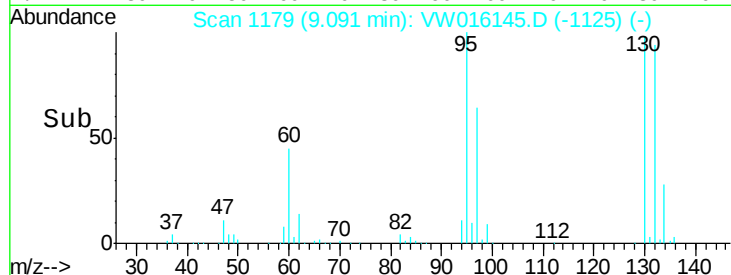
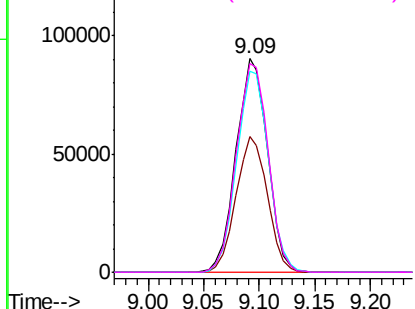
#35
 Trichloroethene
 Concen: 27.960 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	176719
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.9	83.3
132	95.5	65.8	122.2
130	99.5	69.5	129.1

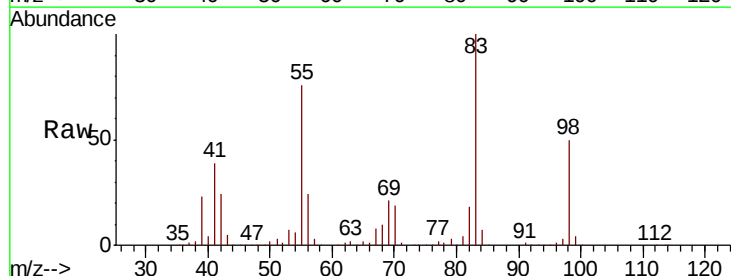


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

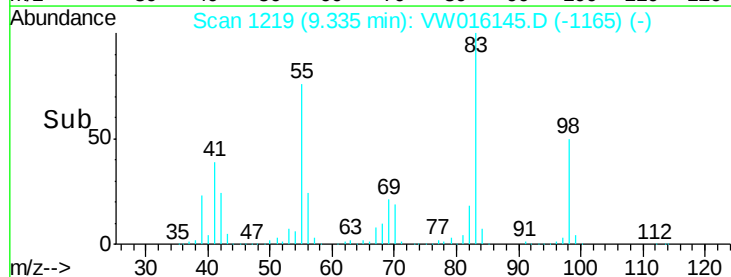
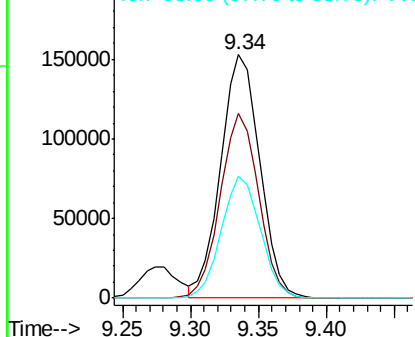


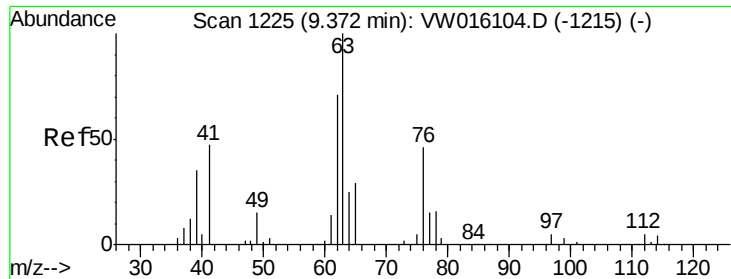
#36
 Methylcyclohexane
 Concen: 29.489 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion:	83	Resp:	307036
Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.7	91.1
98	50.0	39.4	59.0



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

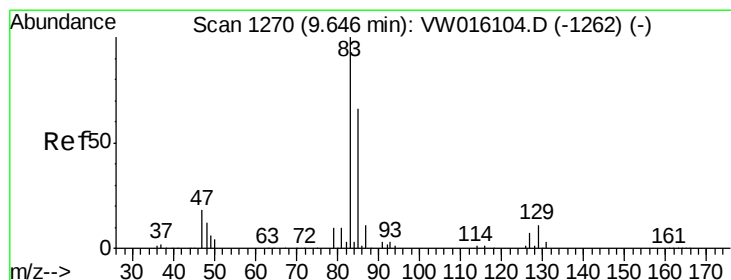
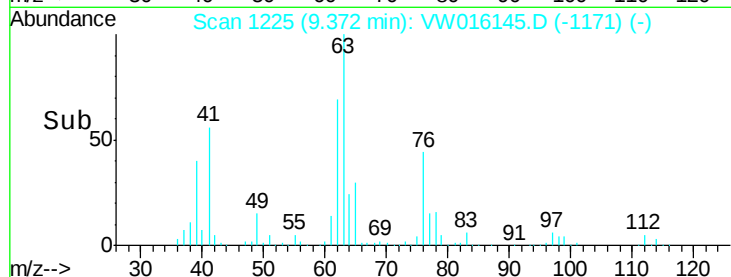
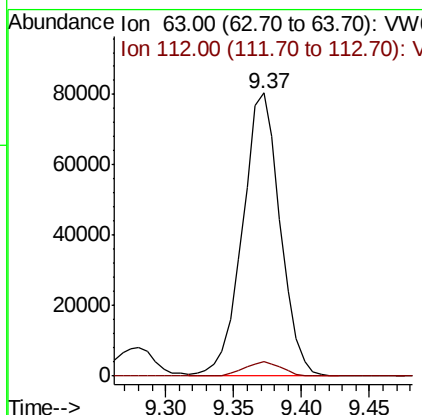
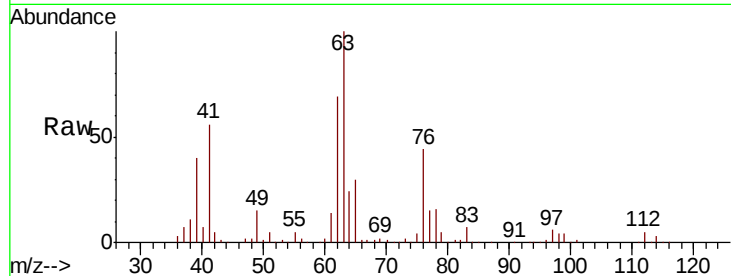




#40
 1,2-Dichloropropane
 Concen: 27.086 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

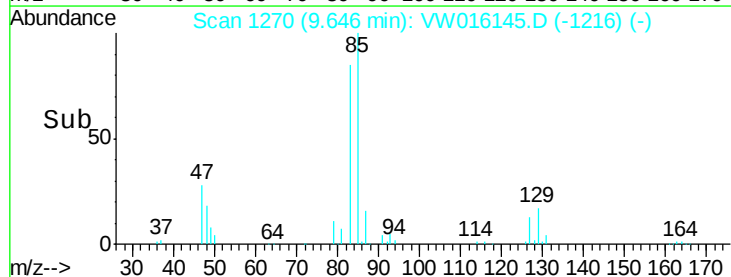
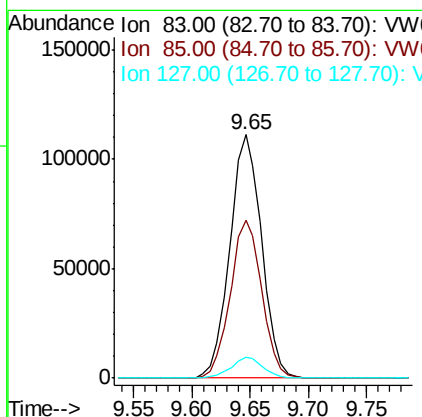
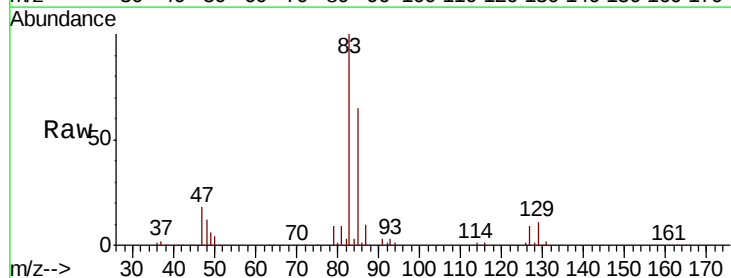
Instrument :
 MSVOA_W
 ClientSampled :

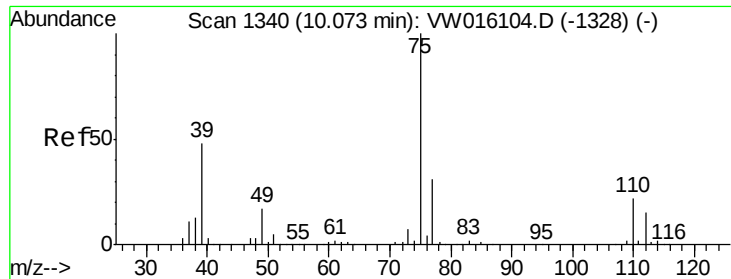
Tot Ion: 63 Resp: 156347
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.643 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion: 83 Resp: 211262
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.1 85.5
 127 8.5 7.2 10.8

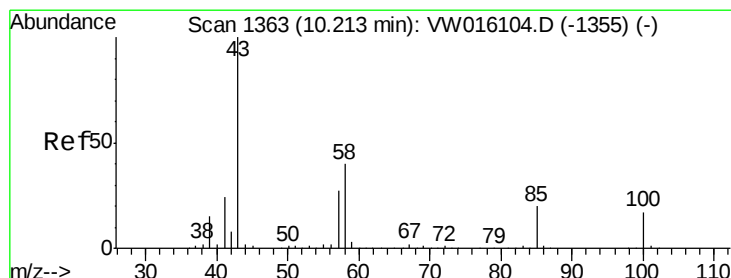
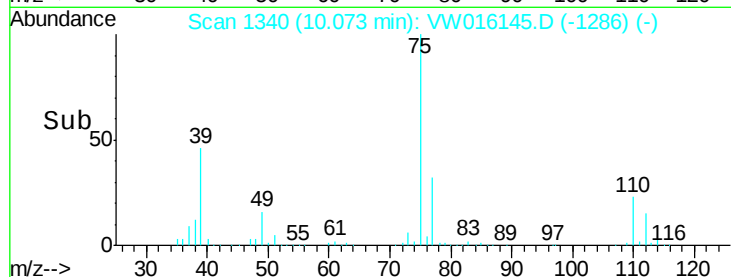
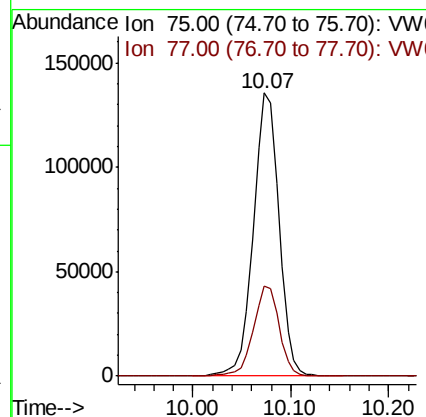
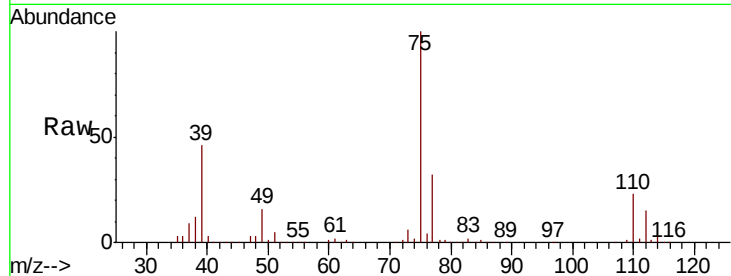




#42
 cis-1,3-Dichloropropene
 Concen: 28.163 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

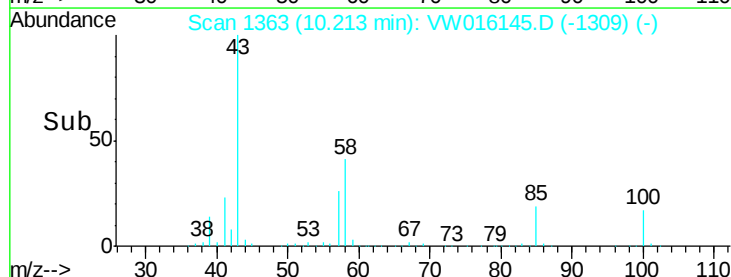
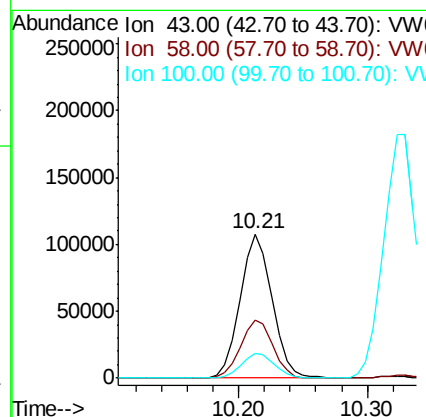
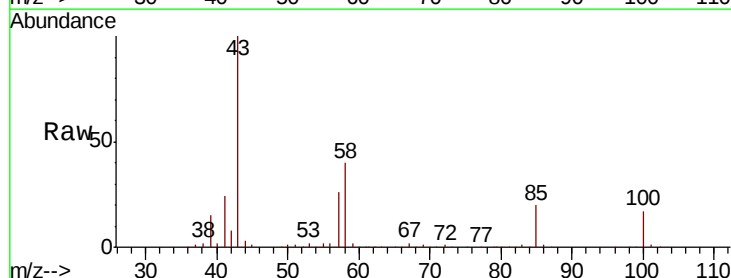
Instrument :
 MSVOA_W
 ClientSampled :

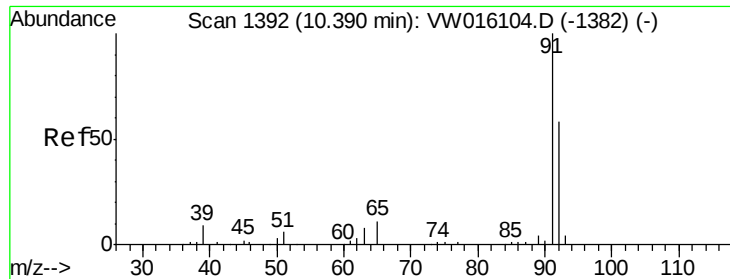
Tot Ion: 75 Resp: 247580
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.9 42.5



#43
 4-Methyl-2-pentanone
 Concen: 53.270 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion: 43 Resp: 184945
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.1 48.1
 100 17.5 13.8 20.8





#44

Toluene

Concen: 28.480 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

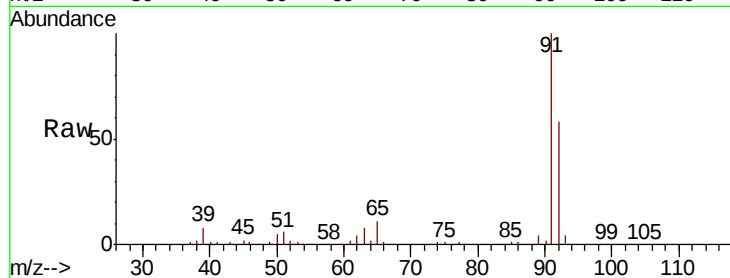
ClientSampleId :

Tot Ion: 91 Resp: 706669

Ion Ratio Lower Upper

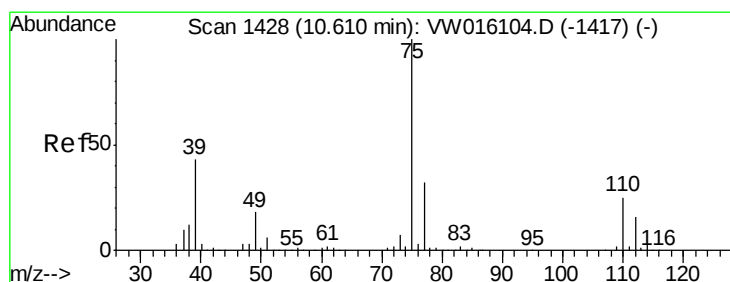
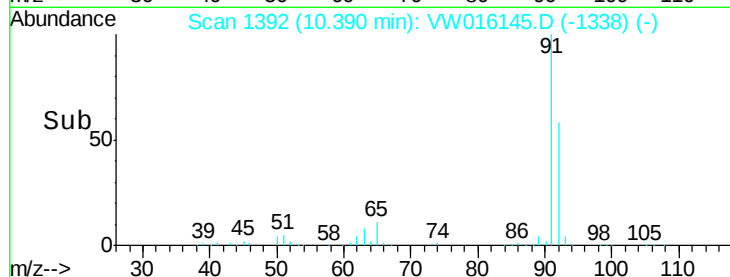
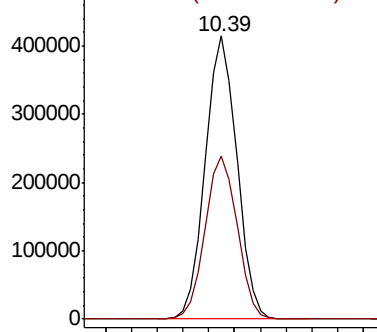
91 100

92 57.6 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 27.934 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016145.D

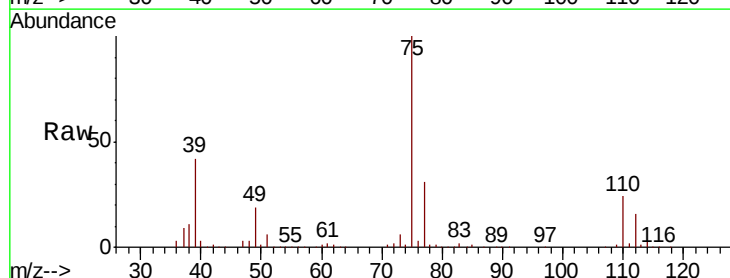
Acq: 12 Aug 2020 07:56

Tgt Ion: 75 Resp: 220590

Ion Ratio Lower Upper

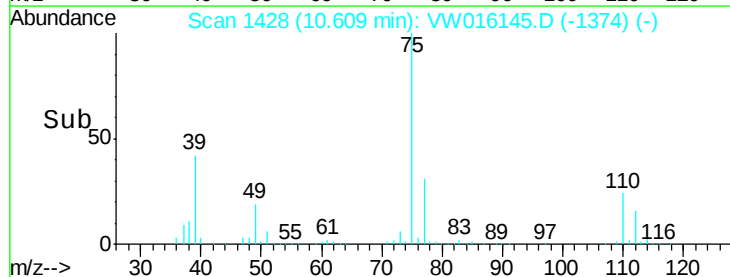
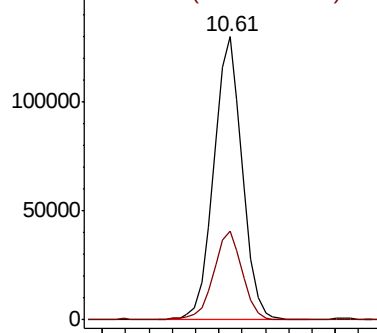
75 100

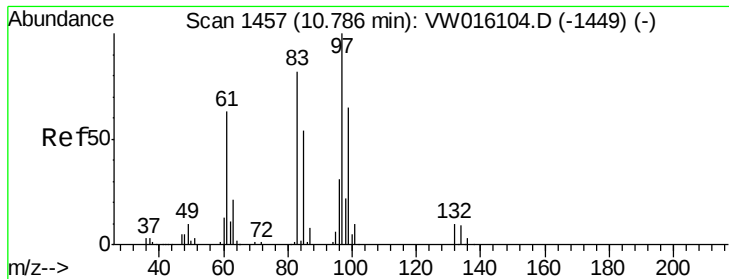
77 31.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 26.954 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 122470

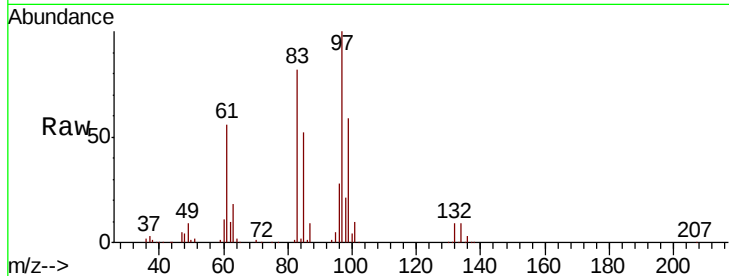
Ion Ratio Lower Upper

97 100

83 81.8 57.8 107.4

85 52.3 38.0 70.6

99 58.8 44.4 82.4

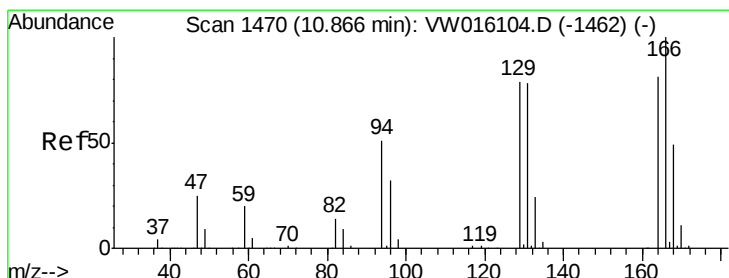
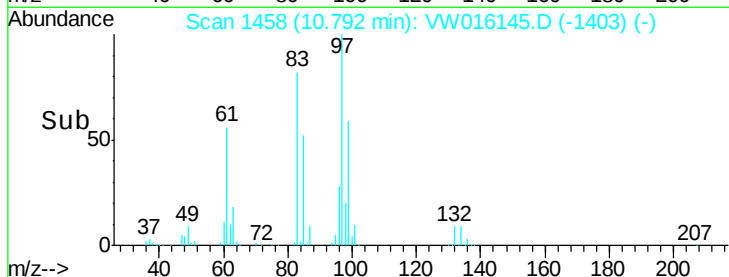
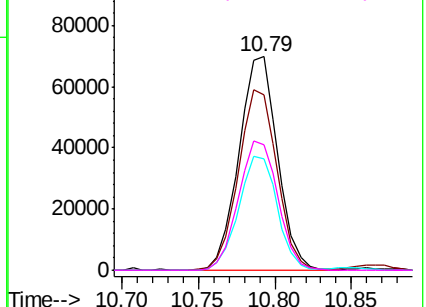


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#47

Tetrachloroethene

Concen: 27.821 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Tgt Ion: 164 Resp: 131822

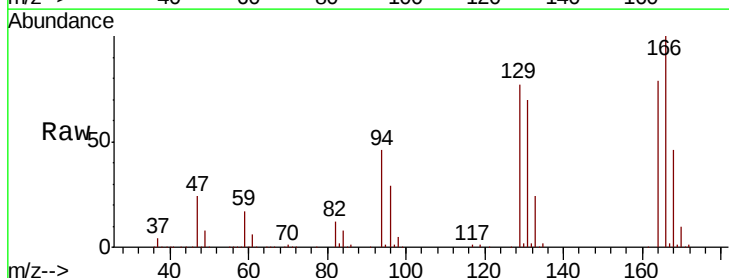
Ion Ratio Lower Upper

164 100

129 97.4 71.5 132.9

131 87.9 65.4 121.4

166 126.0 86.9 161.5

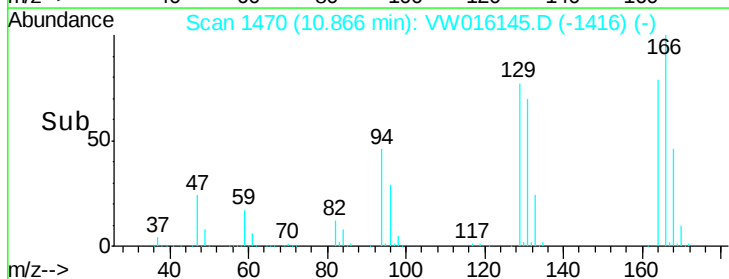
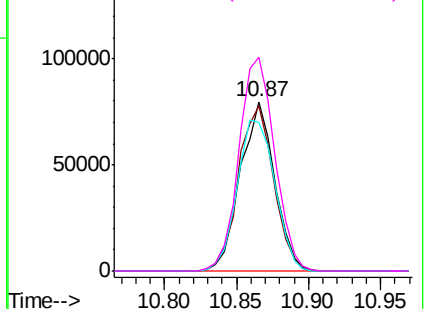


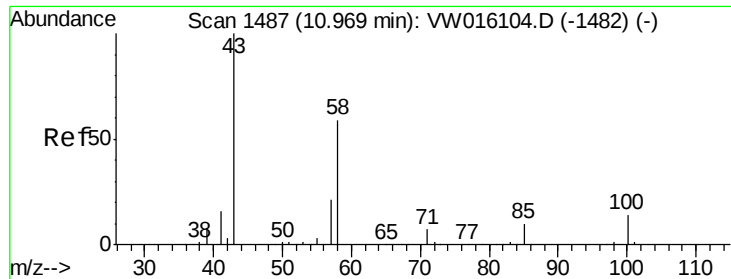
Abundance Ion 164.00 (163.70 to 164.70): V

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

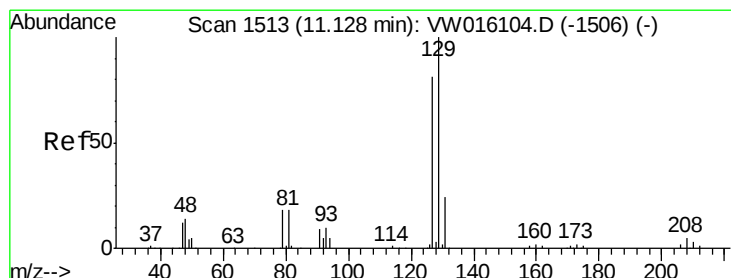
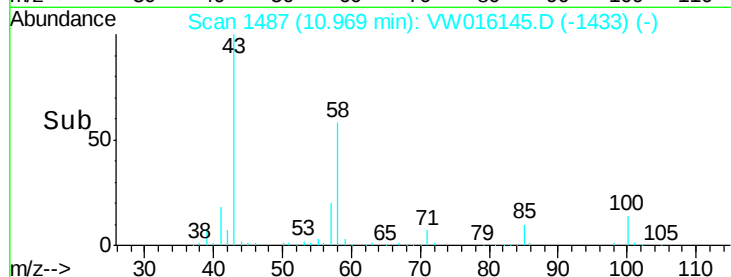
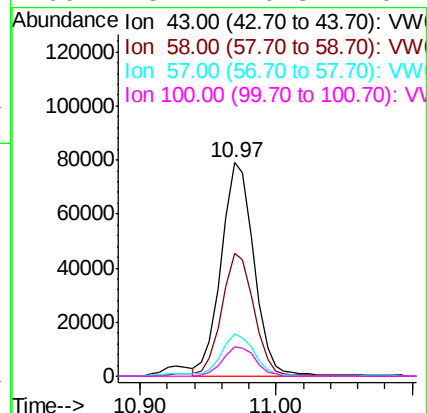
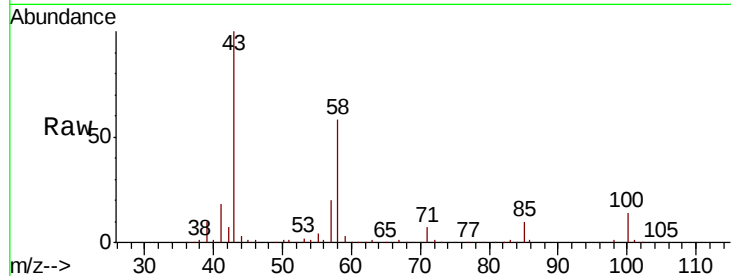




#49
2-Hexanone
Concen: 56.566 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

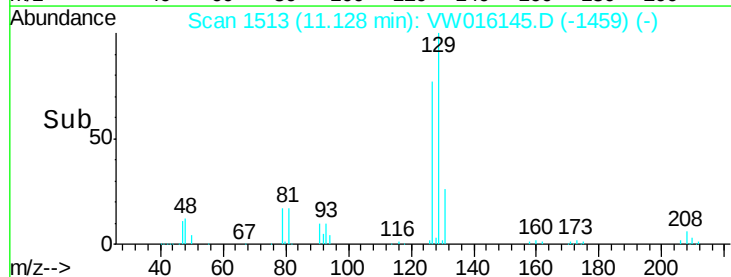
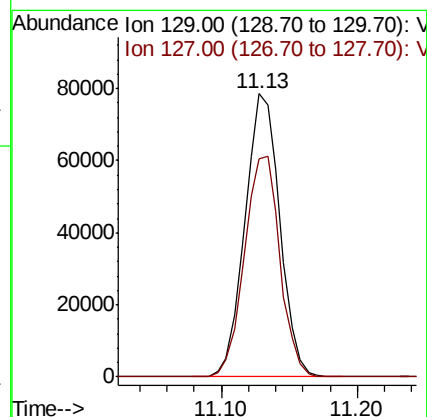
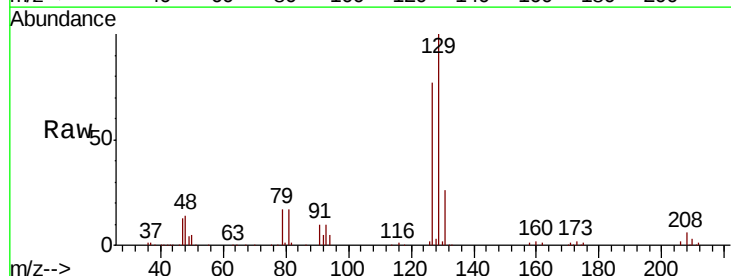
Instrument :
MSVOA_W
ClientSampleId :

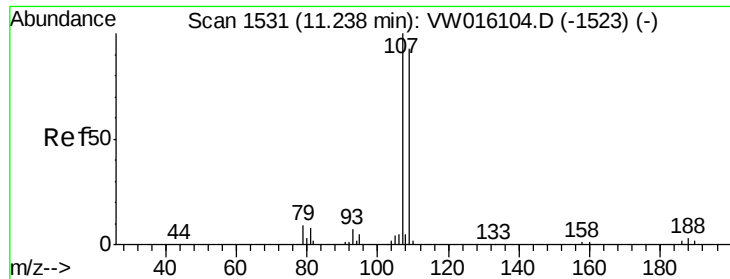
Tot Ion: 43 Resp: 132518
Ion Ratio Lower Upper
43 100
58 57.8 44.2 66.2
57 19.8 15.8 23.6
100 13.7 10.8 16.2



#50
Dibromochloromethane
Concen: 26.349 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion: 129 Resp: 141005
Ion Ratio Lower Upper
129 100
127 77.2 55.4 102.8

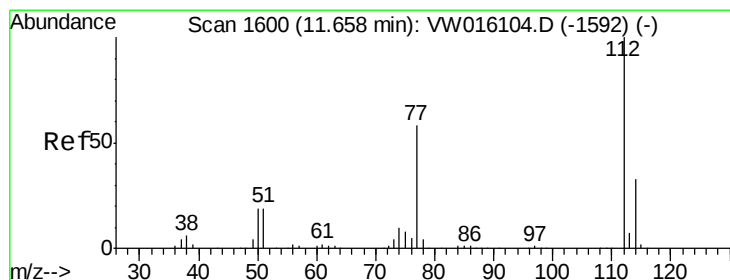
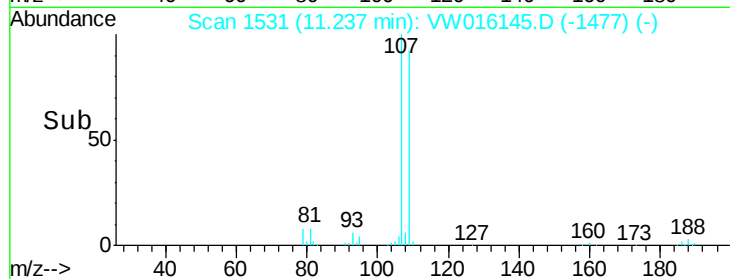
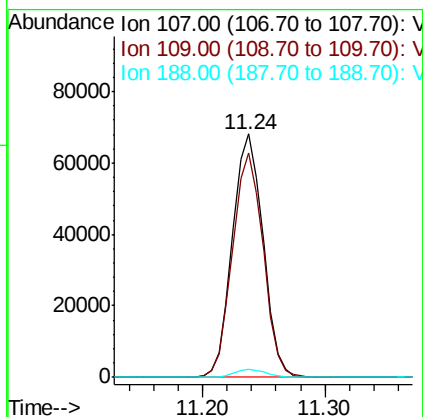
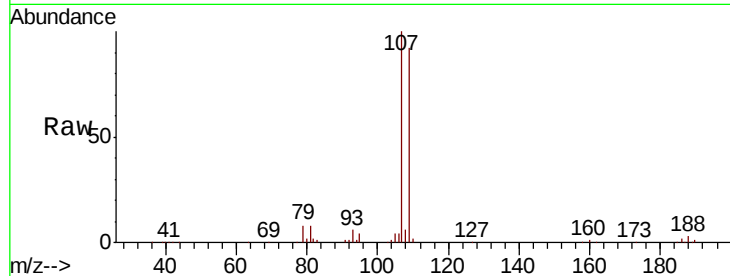




#51
1,2-Dibromoethane
Concen: 27.430 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

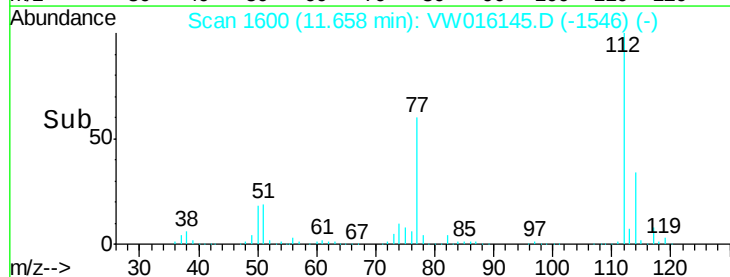
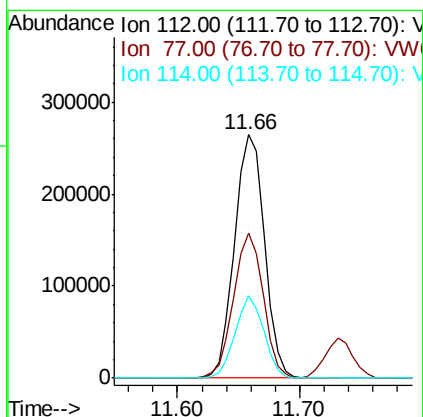
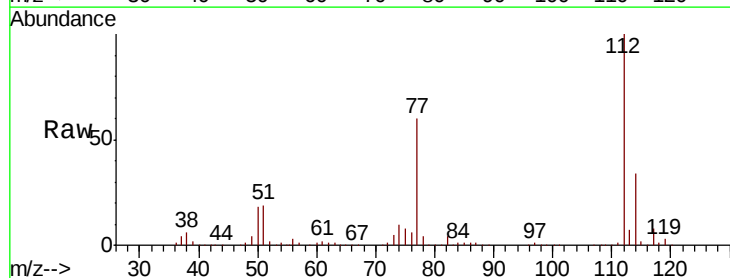
Instrument :
MSVOA_W
ClientSampleId :

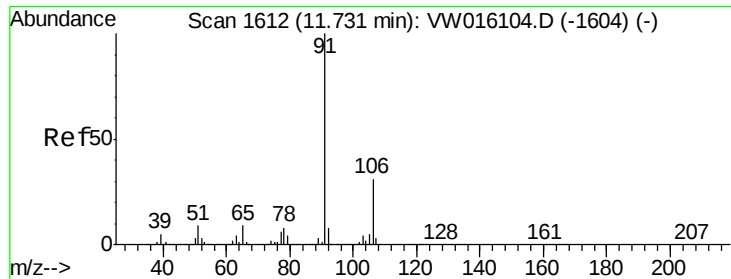
Tot Ion:107 Resp: 118158
Ion Ratio Lower Upper
107 100
109 92.4 66.0 122.6
188 3.3 2.8 4.2



#52
Chlorobenzene
Concen: 27.247 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion:112 Resp: 447317
Ion Ratio Lower Upper
112 100
77 59.5 49.1 73.7
114 33.6 23.5 43.7

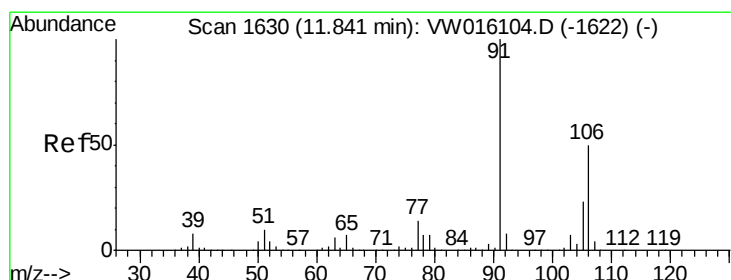
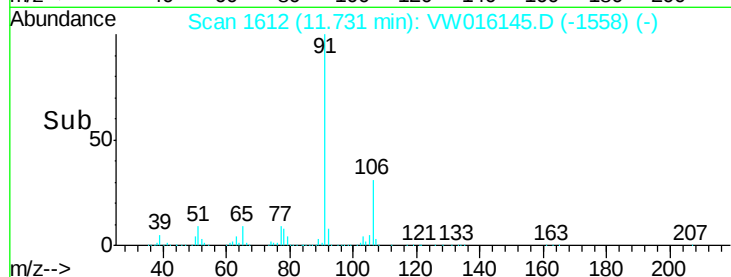
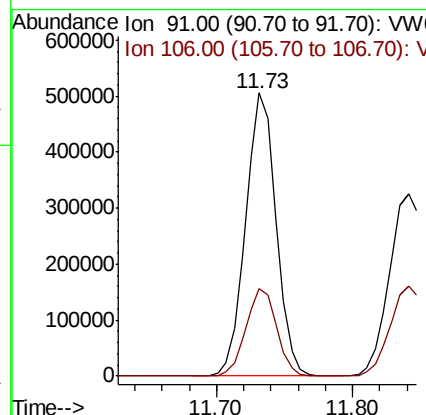
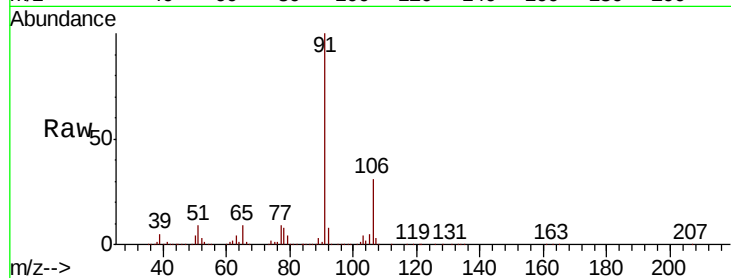




#53
Ethylbenzene
Concen: 28.136 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

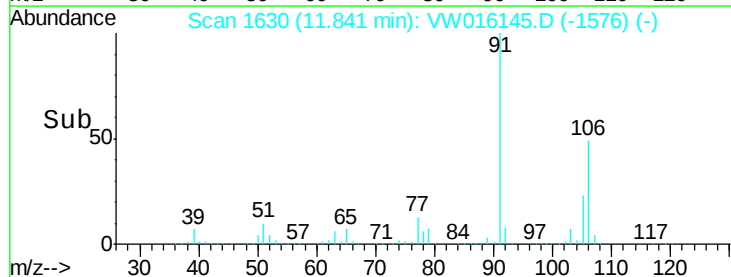
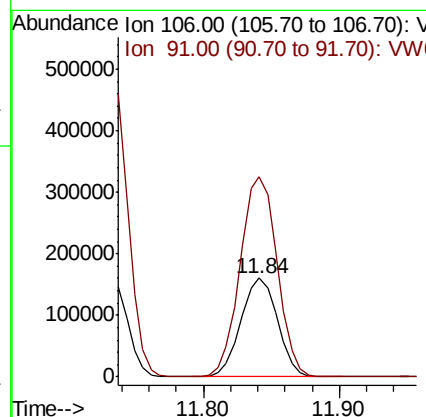
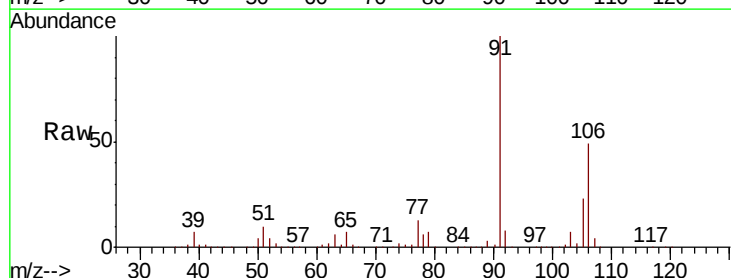
Instrument :
MSVOA_W
ClientSampled :

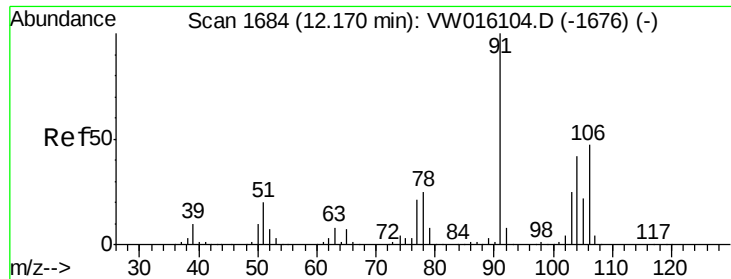
Tot Ion: 91 Resp: 792100
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



#54
m,p-Xylene
Concen: 28.466 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion: 106 Resp: 301450
Ion Ratio Lower Upper
106 100
91 203.8 136.4 253.2

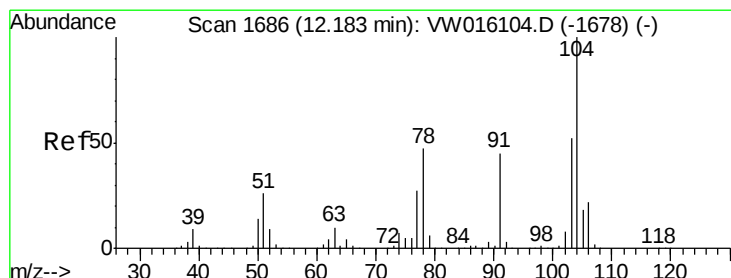
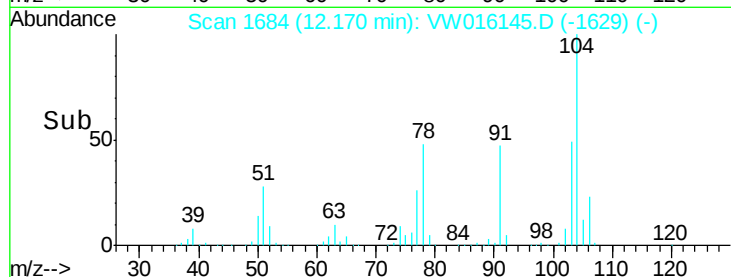
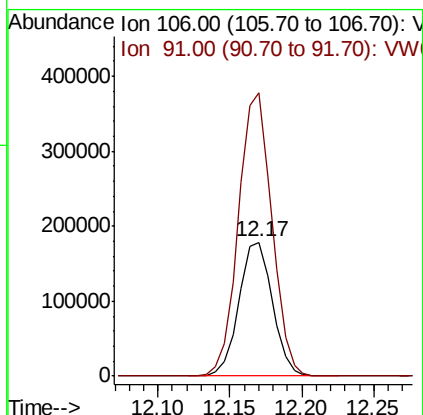
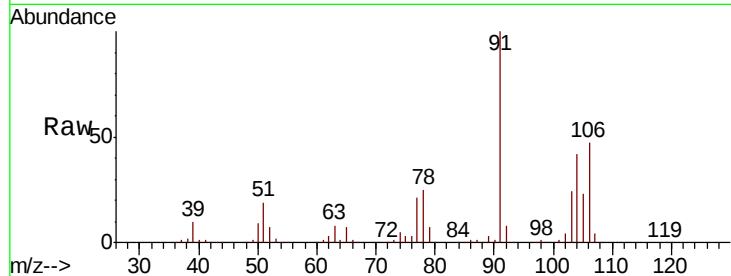




#55
o-xylene
Concen: 28.862 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

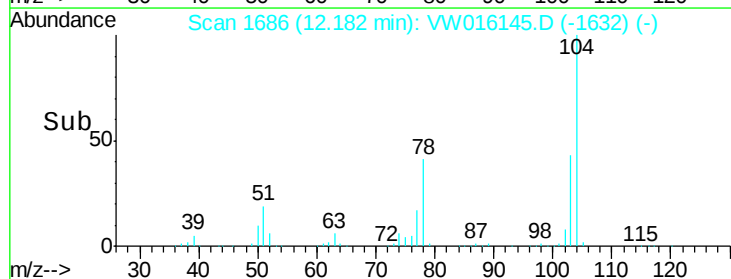
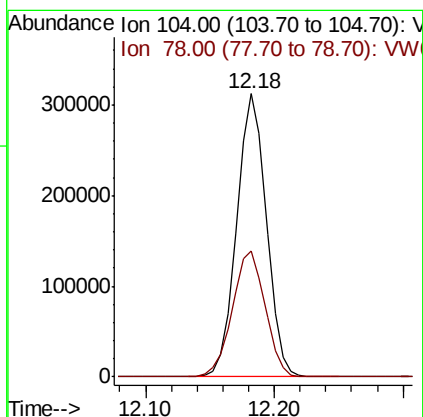
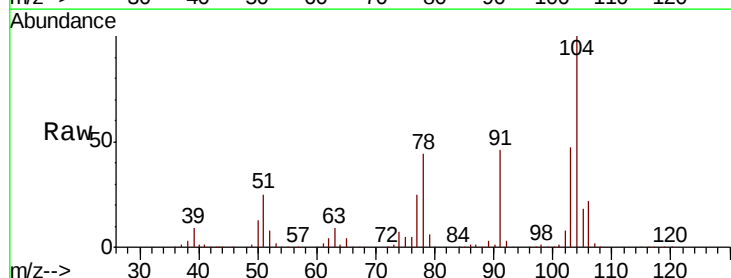
Instrument :
MSVOA_W
ClientSampled :

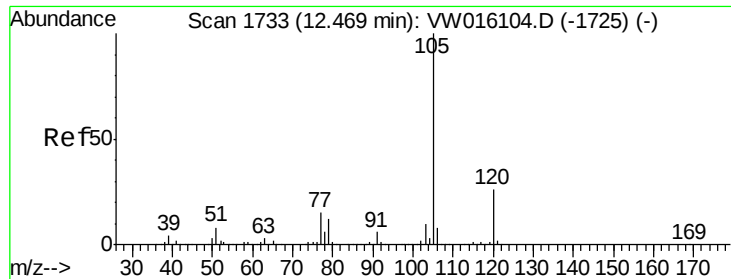
Tot Ion:106 Resp: 287897
Ion Ratio Lower Upper
106 100
91 211.4 151.3 281.1



#56
Styrene
Concen: 28.830 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016145.D
Acq: 12 Aug 2020 07:56

Tgt Ion:104 Resp: 497886
Ion Ratio Lower Upper
104 100
78 44.5 32.0 59.4





#57

Isopropylbenzene

Concen: 29.133 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampleId :

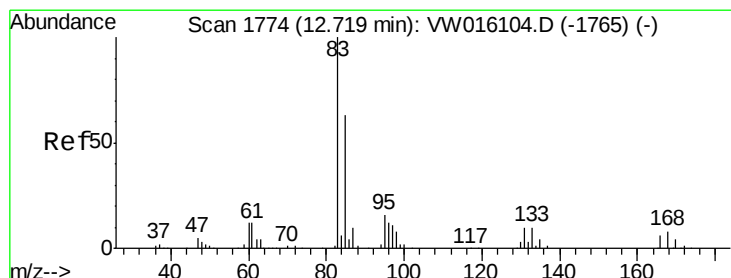
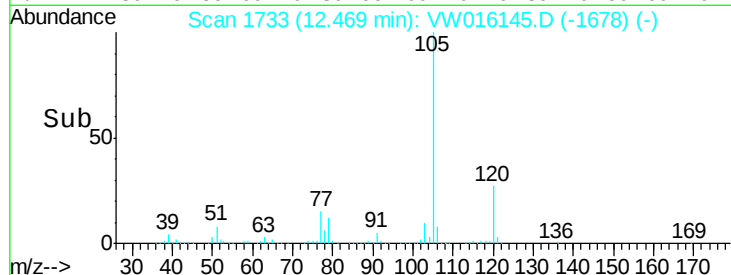
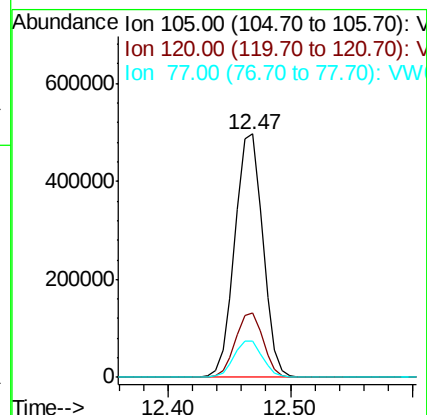
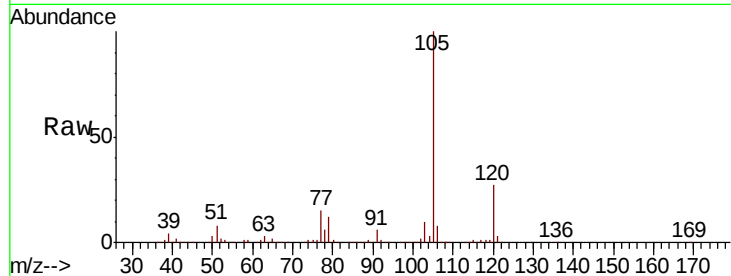
Tot Ion:105 Resp: 783513

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

77 15.4 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 26.740 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

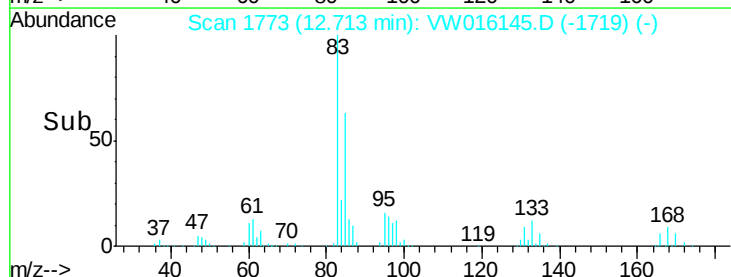
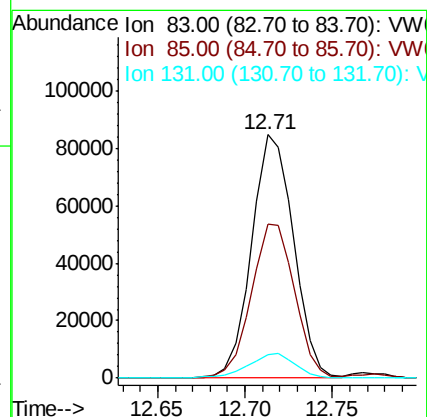
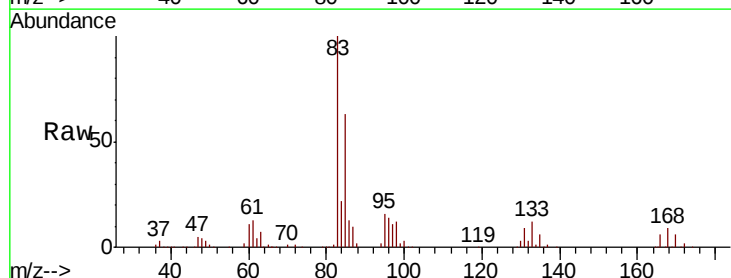
Tgt Ion: 83 Resp: 141761

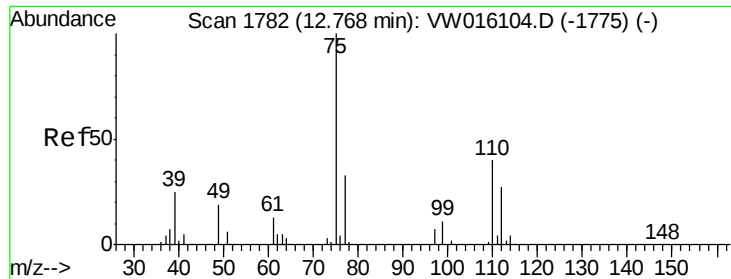
Ion Ratio Lower Upper

83 100

85 63.2 42.4 78.8

131 9.5 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 26.470 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

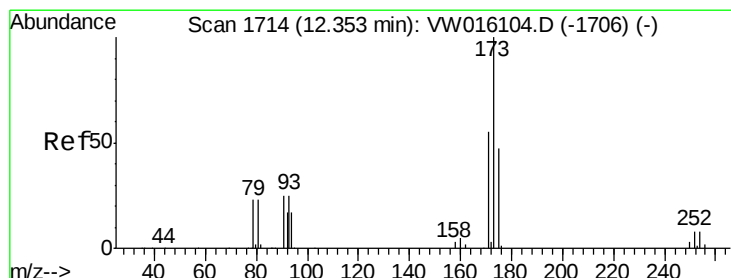
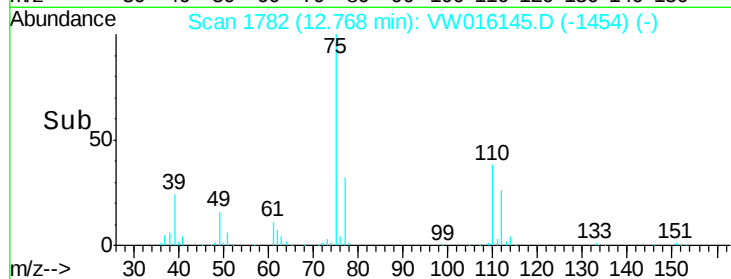
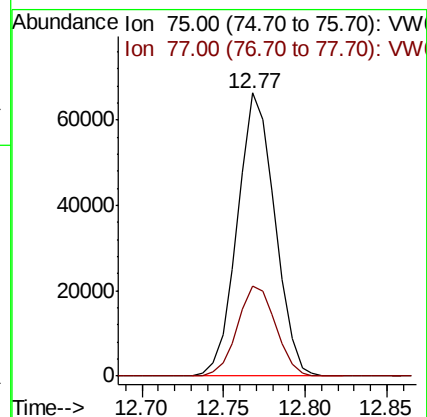
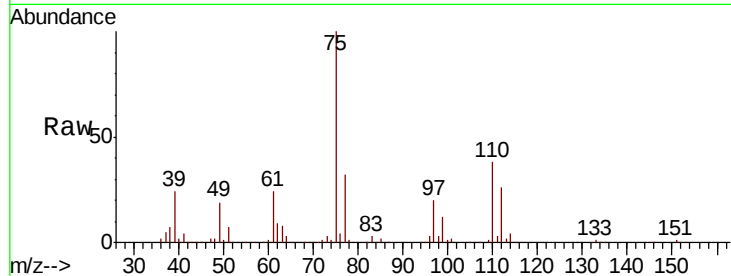
ClientSampleId :

Tot Ion: 75 Resp: 106312

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 26.010 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

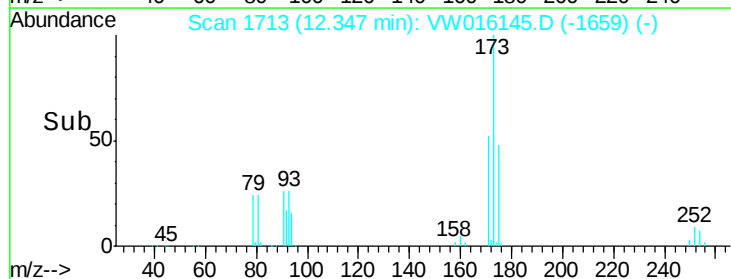
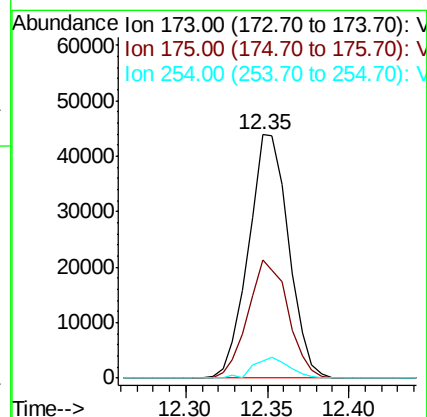
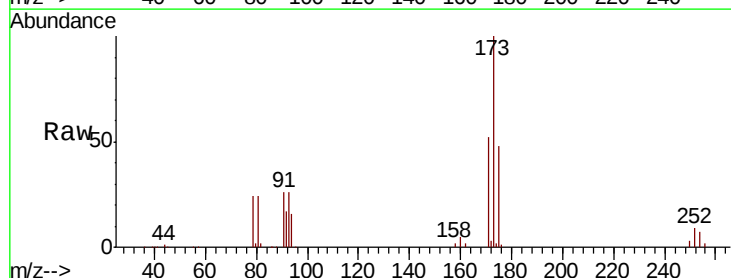
Tgt Ion: 173 Resp: 75543

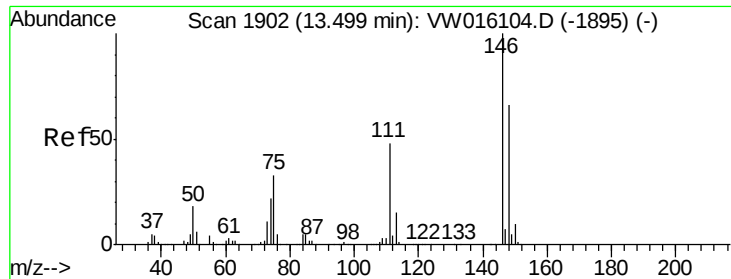
Ion Ratio Lower Upper

173 100

175 48.4 37.8 56.6

254 7.3 6.8 10.2

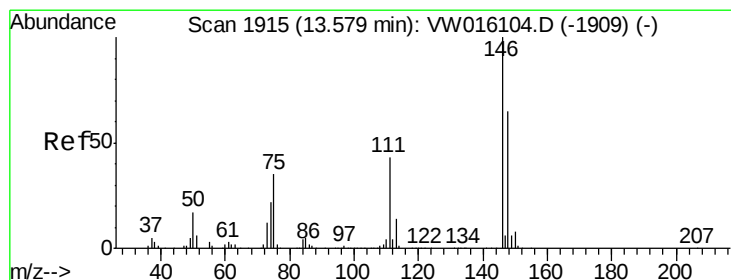
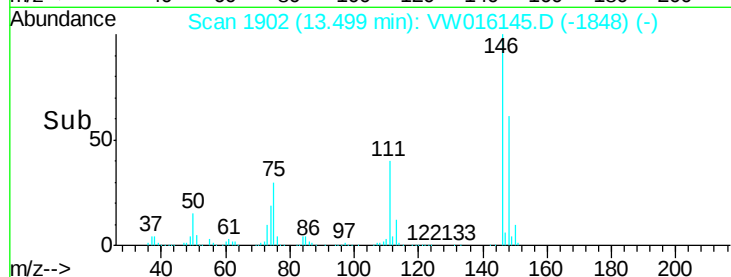
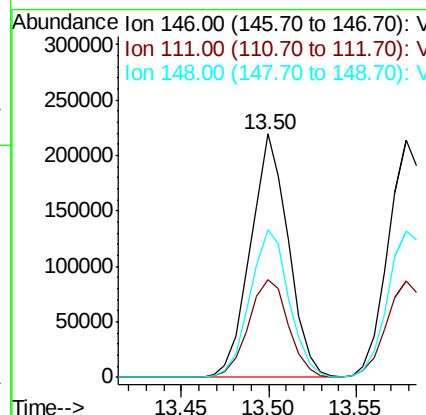
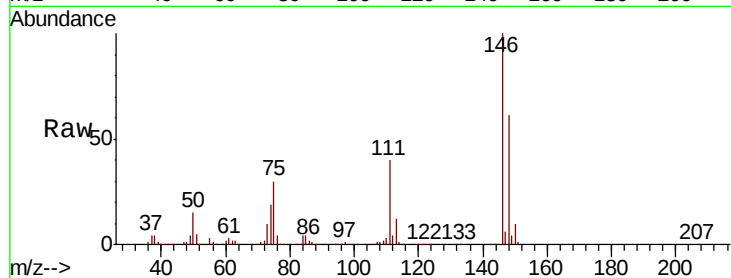




#63
 1,3-Dichlorobenzene
 Concen: 27.256 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

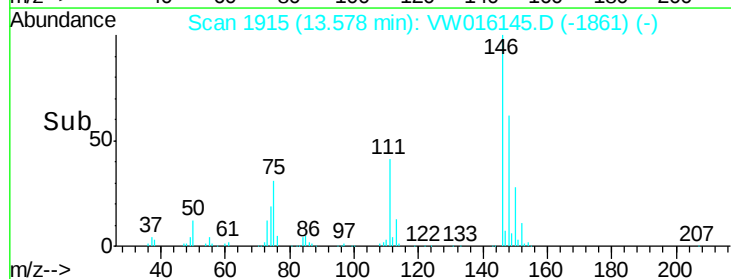
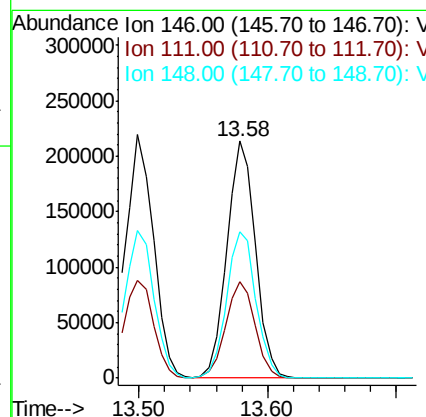
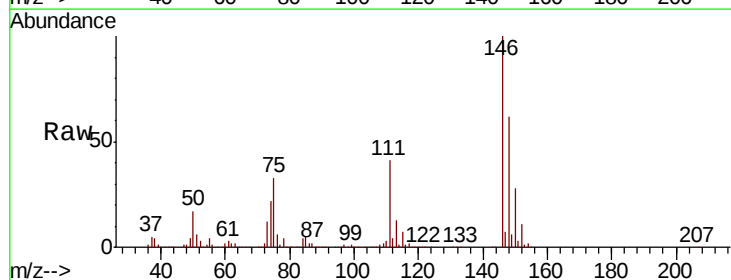
Instrument :
 MSVOA_W
 ClientSampleId :

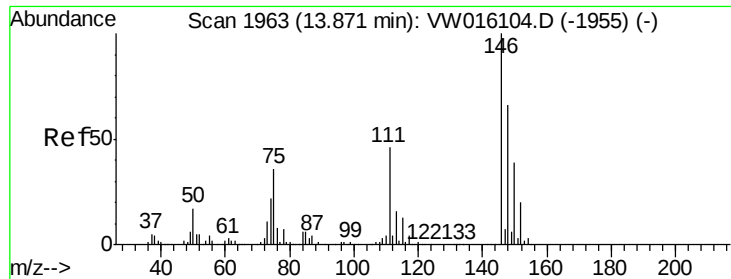
Tot Ion:146 Resp: 330644
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.9 53.7
 148 60.7 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 27.011 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion:146 Resp: 333802
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.6 53.2
 148 62.0 47.7 88.5

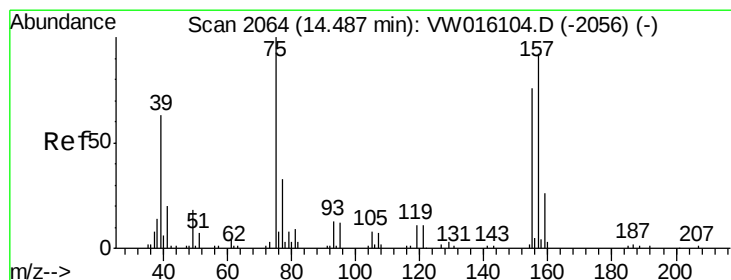
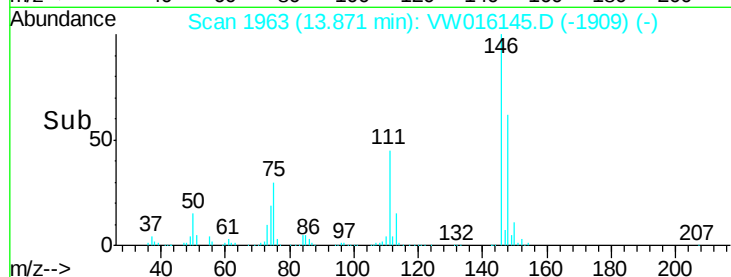
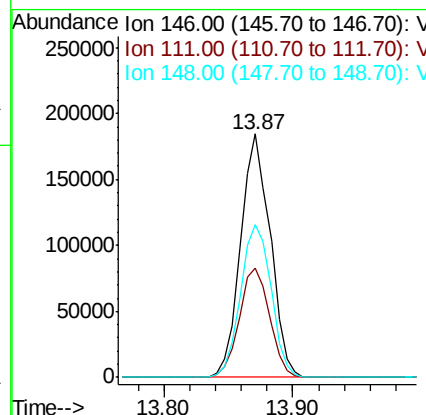
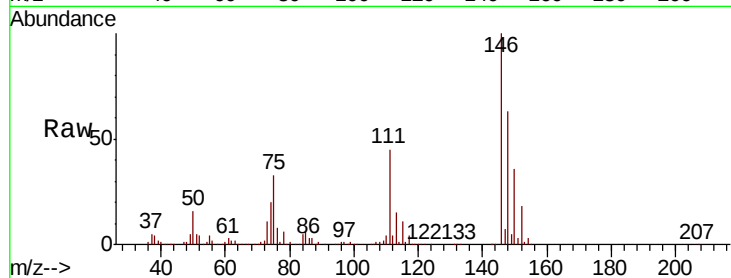




#65
 1,2-Dichlorobenzene
 Concen: 26.482 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

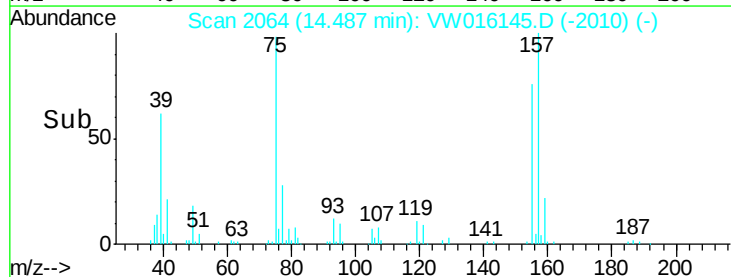
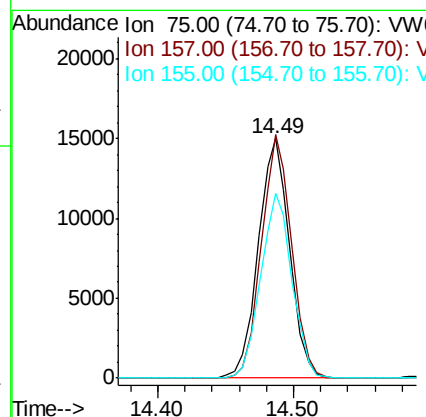
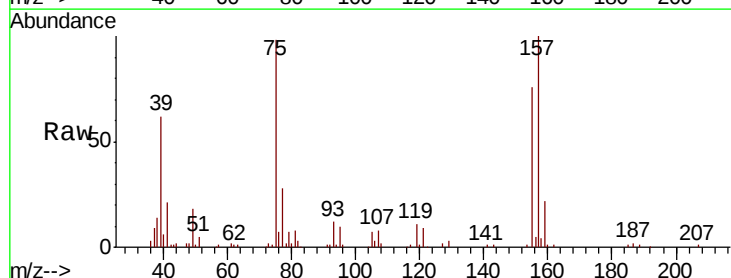
Instrument :
 MSVOA_W
 ClientSampled :

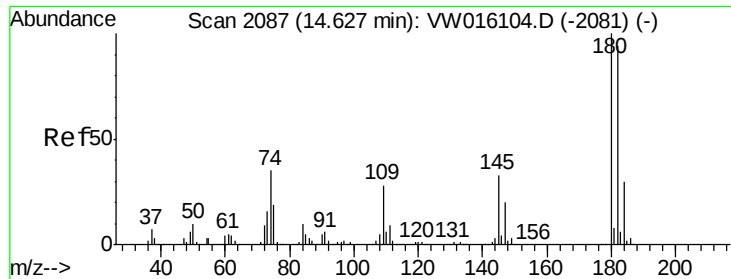
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	35.3	52.9
148	62.5	49.0	73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.693 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	101.6	73.9	110.9
155	77.2	63.4	95.2

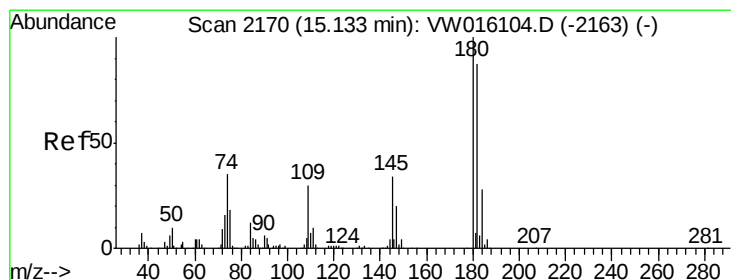
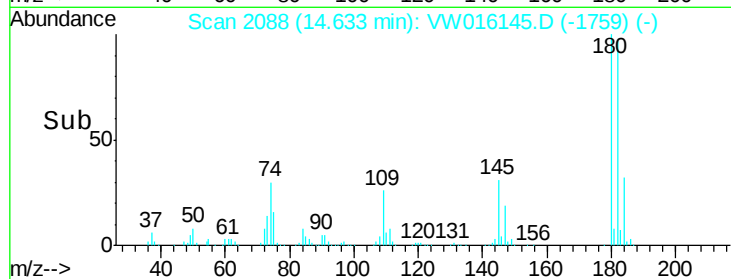
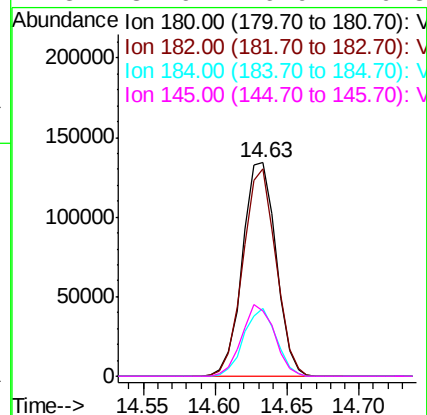
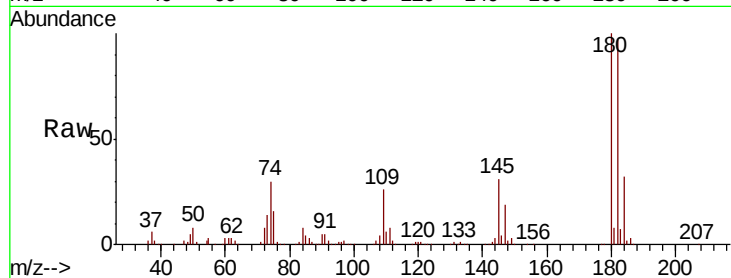




#67
 1,3,5-Trichlorobenzene
 Concen: 28.405 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

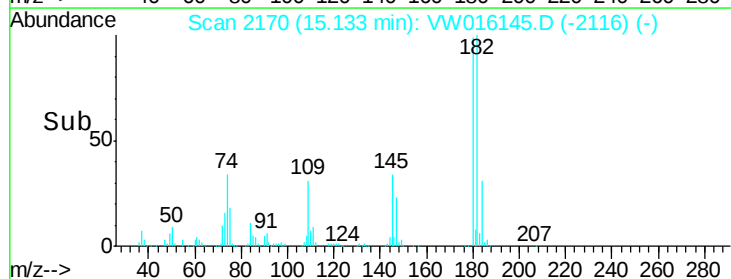
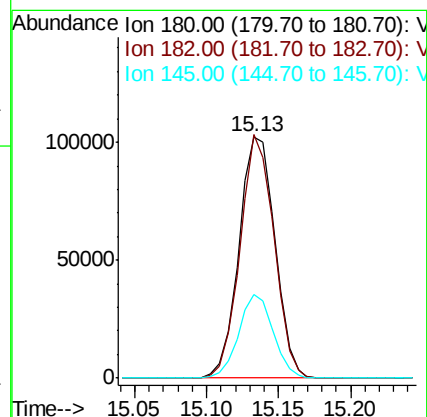
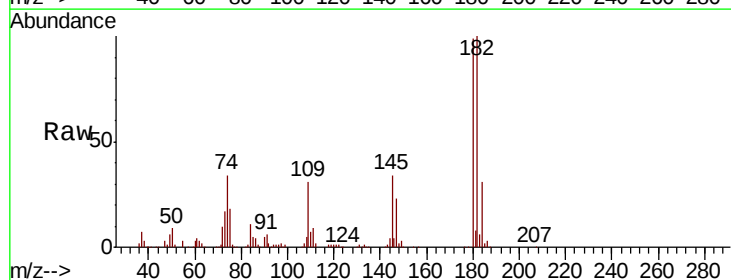
Instrument :
 MSVOA_W
 ClientSampleId :

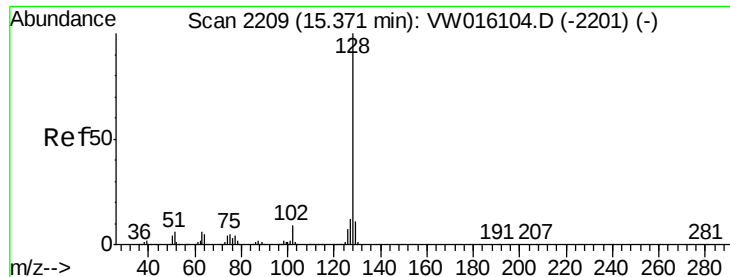
Tot Ion:	180	Resp:	217424
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.3	114.5
184	30.8	25.1	37.7
145	32.9	26.9	40.3



#68
 1,2,4-trichlorobenzene
 Concen: 28.670 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016145.D
 Acq: 12 Aug 2020 07:56

Tgt Ion:	180	Resp:	177867
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.8	116.8
145	33.1	26.5	39.7





#69

Naphthalene

Concen: 29.006 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

Instrument :

MSVOA_W

ClientSampleId :

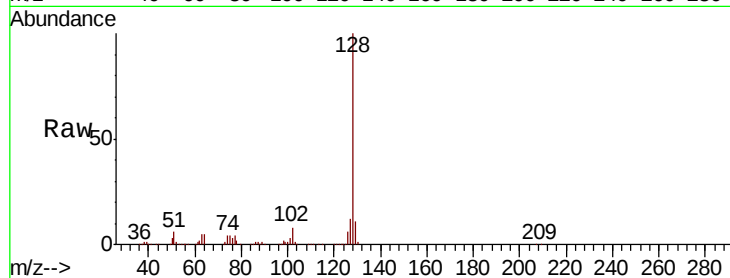
Tot Ion:128 Resp: 379838

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

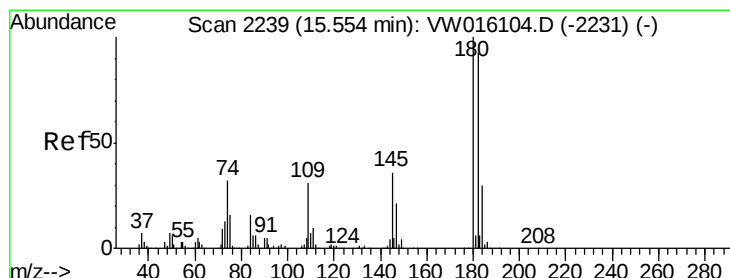
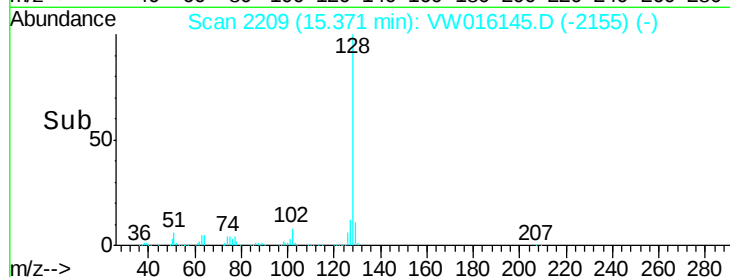
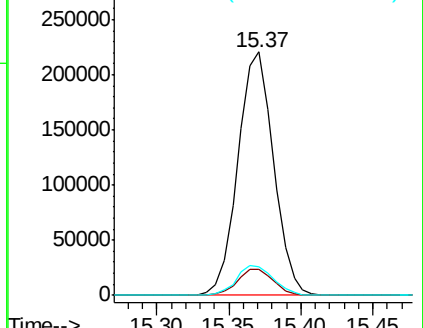
127 12.7 10.3 15.5



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: 28.224 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016145.D

Acq: 12 Aug 2020 07:56

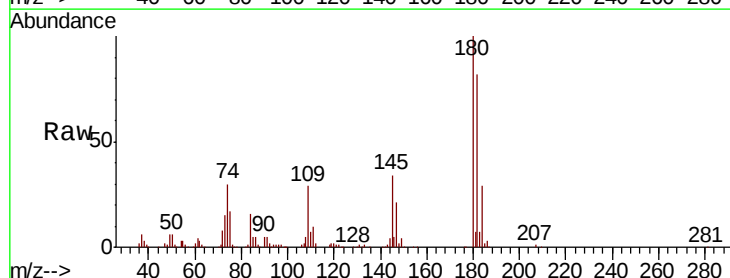
Tgt Ion:180 Resp: 159079

Ion Ratio Lower Upper

180 100

182 93.0 76.0 114.0

145 36.2 29.9 44.9



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

