

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060320\
 Data File : VW015528.D
 Acq On : 03 Jun 2020 09:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 06:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 03:48:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	353758	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315543	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155013	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90310	27.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.44%
7) Chloroethane-d5	2.90	69	91527	28.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.56%
10) 1,1-Dichloroethene-d2	4.02	63	203429	25.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.00%
20) 2-Butanone-d5	7.08	46	60940	57.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.16%
24) Chloroform-d	7.65	84	209547	25.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	8.31	65	117446	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	396310	25.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.44%
33) 1,2-Dichloropropane-d6	9.27	67	119379	25.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.52%
37) Toluene-d8	10.32	98	372137	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.92%
38) trans-1,3-Dichloropropene-	10.58	79	54393	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.00%
39) 2-Hexanone-d5	10.93	63	49096	60.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98183	27.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	131554	25.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	79580	25.464	ug/L	100
3) Chloromethane	2.22	50	78426	22.796	ug/L	100
5) Vinyl chloride	2.37	62	124283	24.022	ug/L	97
6) Bromomethane	2.79	94	79534	23.651	ug/L	99
8) Chloroethane	2.93	64	76130	24.173	ug/L	100
9) Trichlorofluoromethane	3.27	101	92109	25.017	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	103624	23.730	ug/L	97
12) 1,1-Dichloroethene	4.04	96	100598	23.849	ug/L	96
13) Acetone	4.12	43	51655	63.130	ug/L	100
14) Carbon disulfide	4.39	76	321036	22.814	ug/L	99
15) Methyl Acetate	4.67	43	47600	26.889	ug/L	99
16) Methylene chloride	4.92	84	103304	23.793	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	162529	24.280	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	106412	23.540	ug/L	95
19) 1,1-Dichloroethane	6.22	63	191658	23.571	ug/L	100
21) 2-Butanone	7.17	43	66138	52.618	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	110208	23.370	ug/L	99

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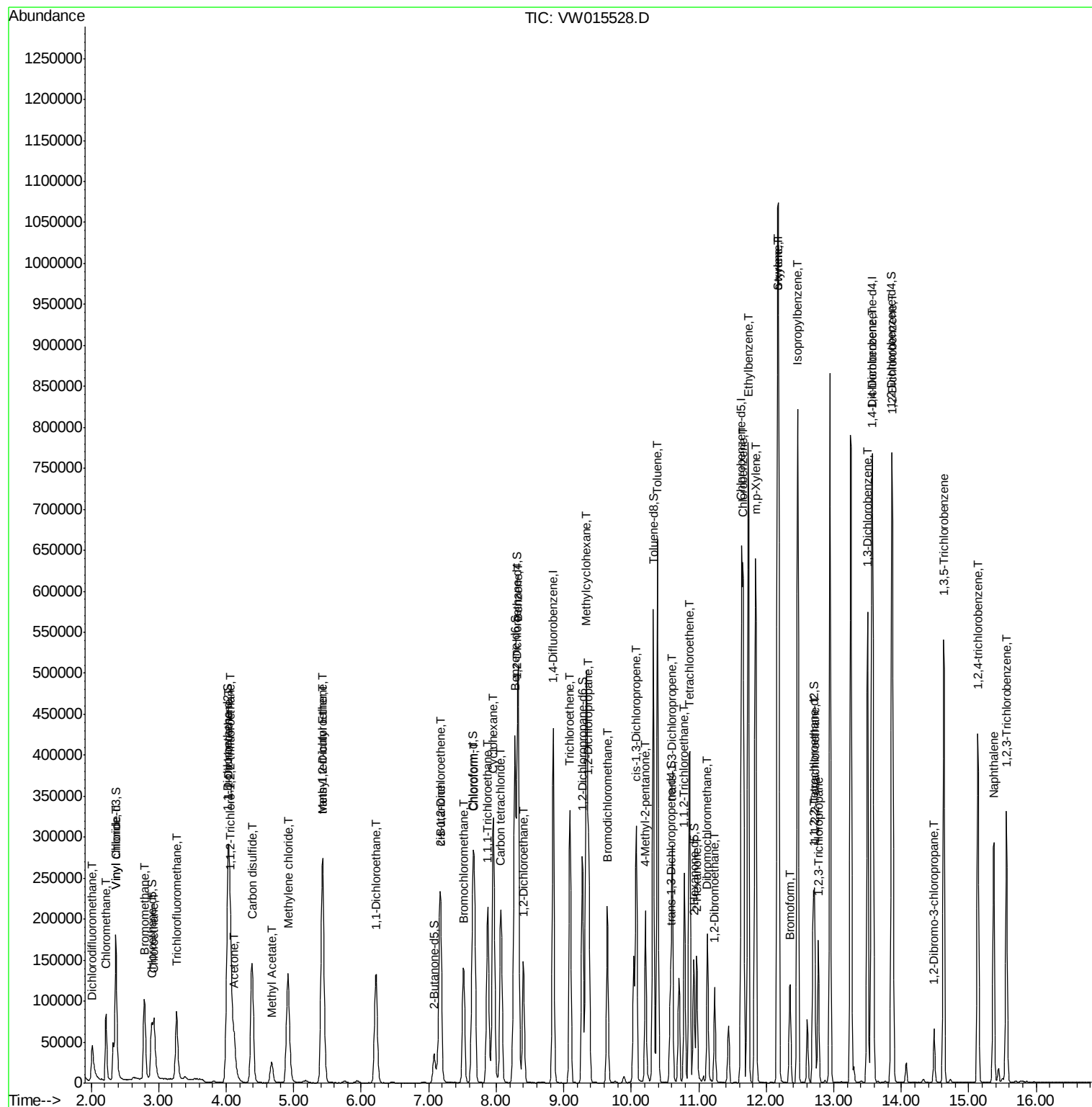
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49441	24.313	ug/L	97
25) Chloroform	7.68	83	195112	23.831	ug/L	99
27) 1,2-Dichloroethane	8.40	62	136420	24.630	ug/L	100
30) Cyclohexane	7.96	56	182700	23.423	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	172695	24.464	ug/L	99
32) Carbon tetrachloride	8.07	117	158814	24.529	ug/L	100
34) Benzene	8.32	78	426993	24.197	ug/L	100
35) Trichloroethene	9.09	95	114567	24.170	ug/L	99
36) Methylcyclohexane	9.34	83	200322	23.696	ug/L	100
40) 1,2-Dichloropropane	9.37	63	105592	24.299	ug/L	99
41) Bromodichloromethane	9.65	83	140194	24.149	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	170595	24.532	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	134564	52.826	ug/L	99
44) Toluene	10.39	91	466877	24.285	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	151138	24.975	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	77289	25.423	ug/L	94
47) Tetrachloroethene	10.87	164	92222	24.544	ug/L	99
49) 2-Hexanone	10.97	43	97662	56.801	ug/L	98
50) Dibromochloromethane	11.13	129	93613	25.344	ug/L	97
51) 1,2-Dibromoethane	11.24	107	74694	25.592	ug/L	93
52) Chlorobenzene	11.66	112	292128	24.225	ug/L	99
53) Ethylbenzene	11.73	91	528132	23.924	ug/L	99
54) m,p-Xylene	11.84	106	201213	24.290	ug/L	97
55) o-xylene	12.17	106	189463	24.096	ug/L	95
56) Styrene	12.18	104	323224	24.058	ug/L	100
57) Isopropylbenzene	12.46	105	528398	24.124	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94477	26.842	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	70953	26.586	ug/L	99
62) Bromoform	12.35	173	53899	24.955	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	225096	23.730	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	222505	23.940	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	203433	24.680	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16036	25.645	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	159660	24.312	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	128184	24.235	ug/L	99
69) Naphthalene	15.37	128	249061	25.933	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	111873	24.862	ug/L	99

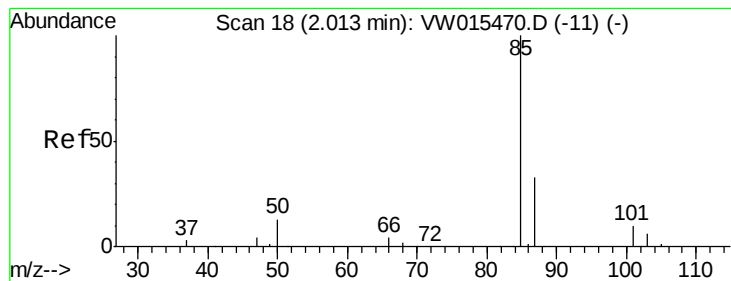
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.464 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

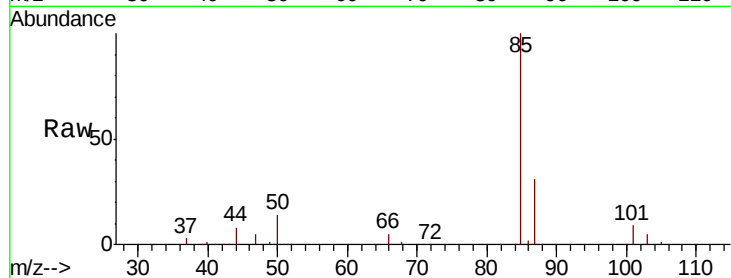
ClientSampled :

Tot Ion: 85 Resp: 79580

Ion Ratio Lower Upper

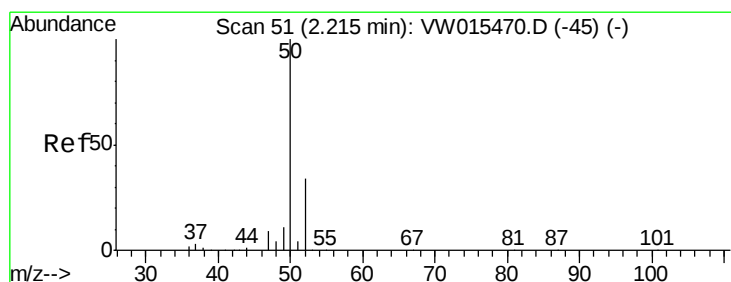
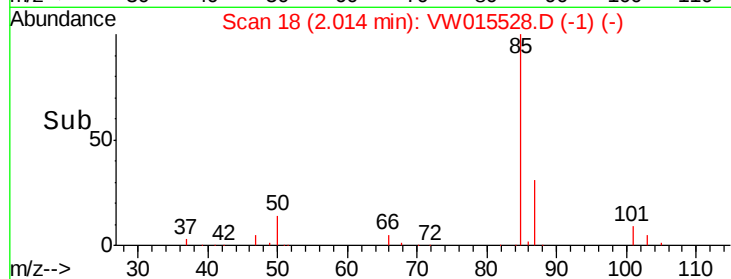
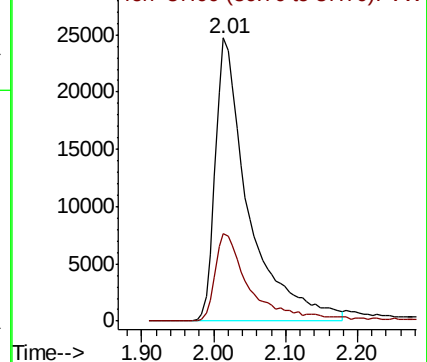
85 100

87 30.2 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.796 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015528.D

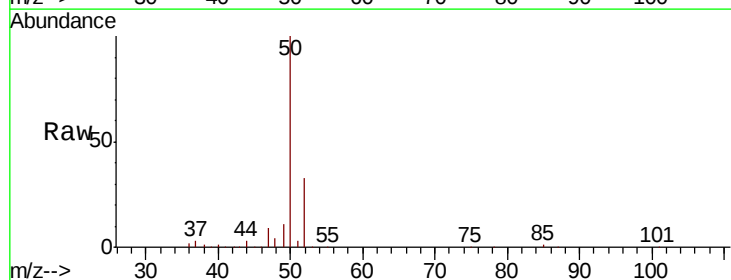
Acq: 03 Jun 2020 09:23

Tgt Ion: 50 Resp: 78426

Ion Ratio Lower Upper

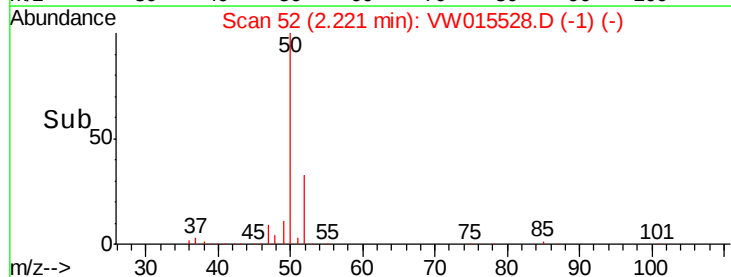
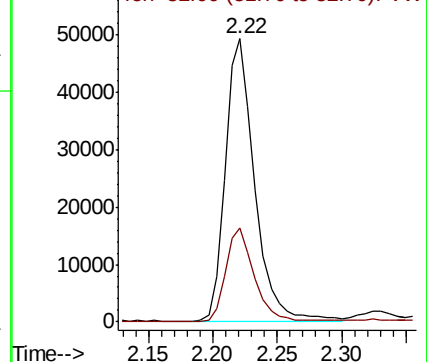
50 100

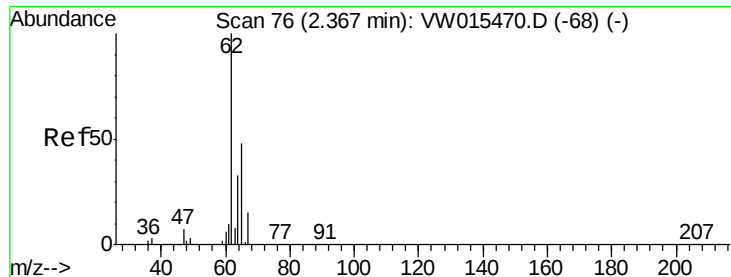
52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.022 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

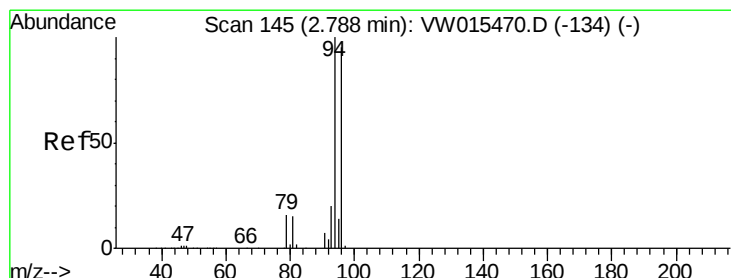
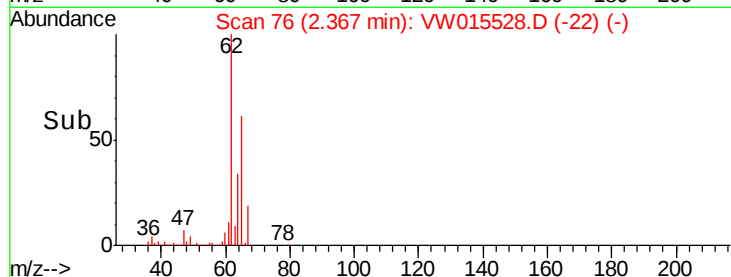
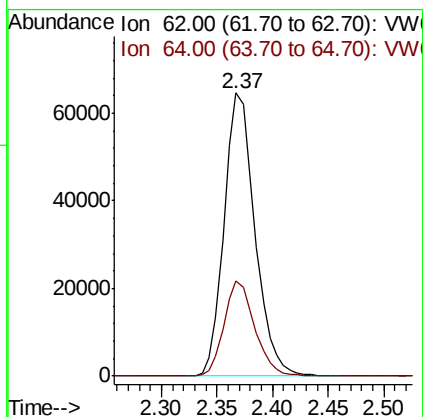
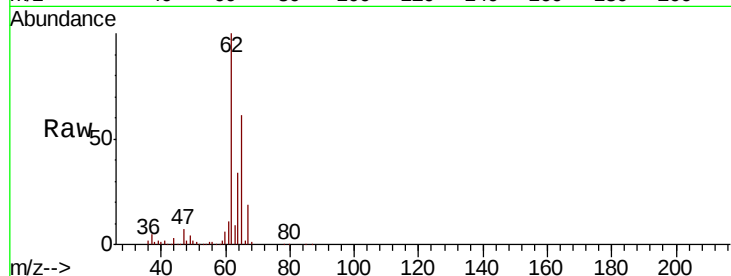
ClientSampled :

Tot Ion: 62 Resp: 124283

Ion Ratio Lower Upper

62 100

64 33.7 22.6 42.0



#6

Bromomethane

Concen: 23.651 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015528.D

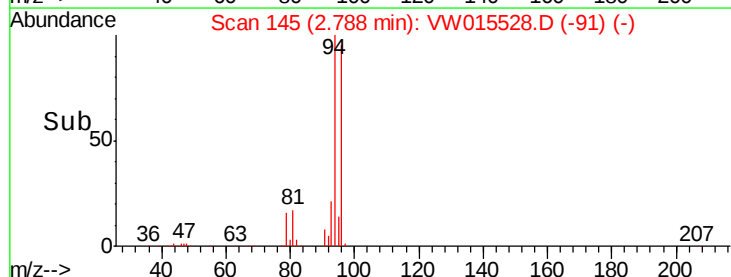
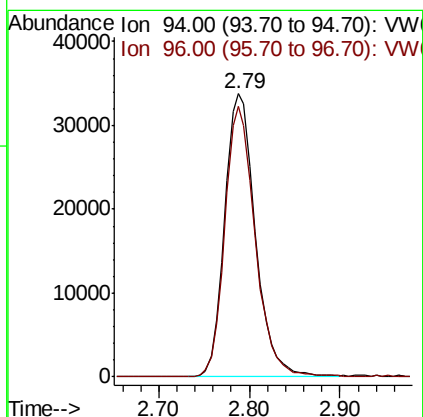
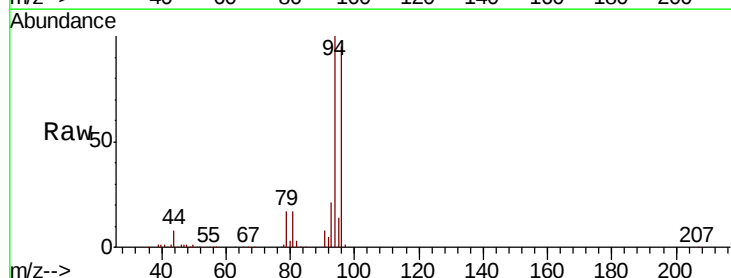
Acq: 03 Jun 2020 09:23

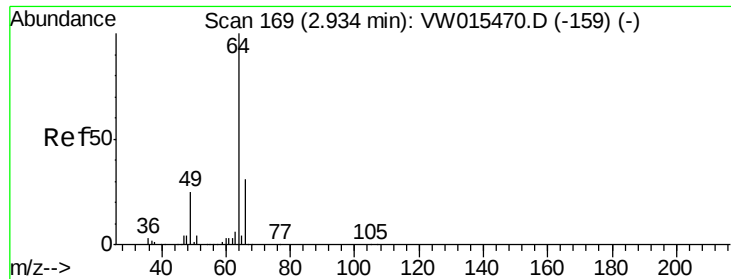
Tgt Ion: 94 Resp: 79534

Ion Ratio Lower Upper

94 100

96 94.1 9.3 177.5





#8

Chloroethane

Concen: 24.173 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

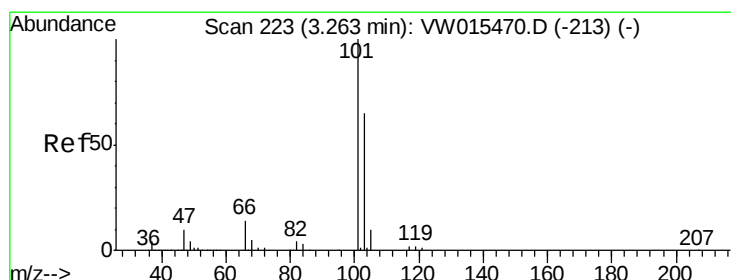
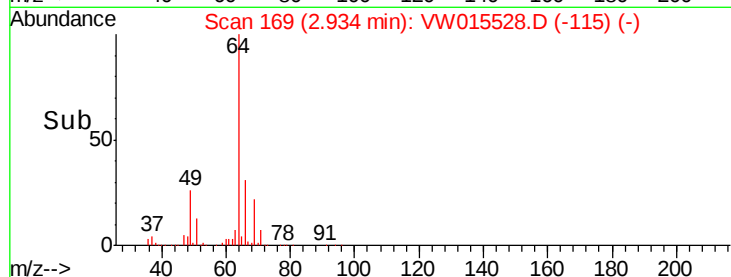
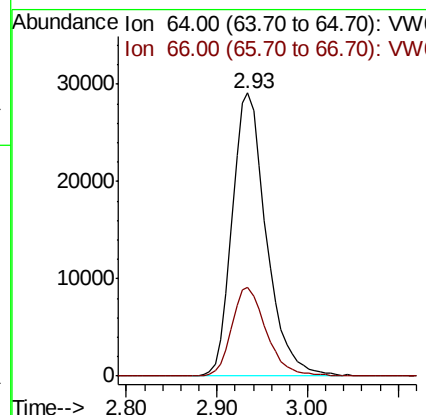
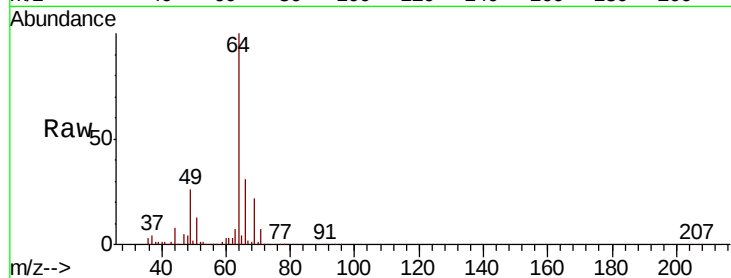
ClientSampleId :

Tot Ion: 64 Resp: 76130

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 25.017 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015528.D

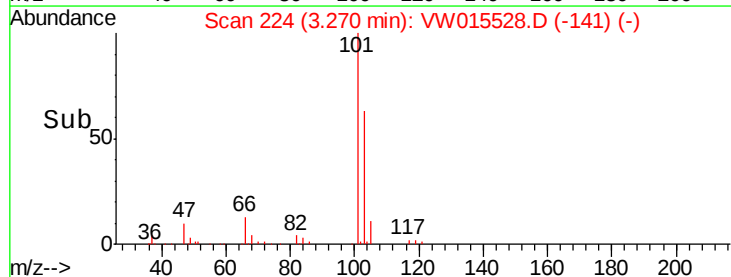
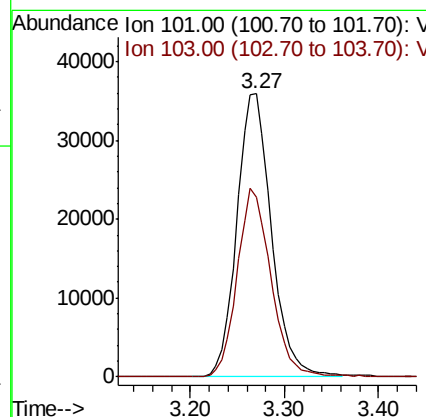
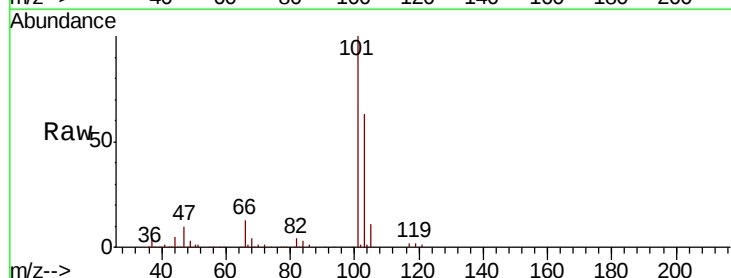
Acq: 03 Jun 2020 09:23

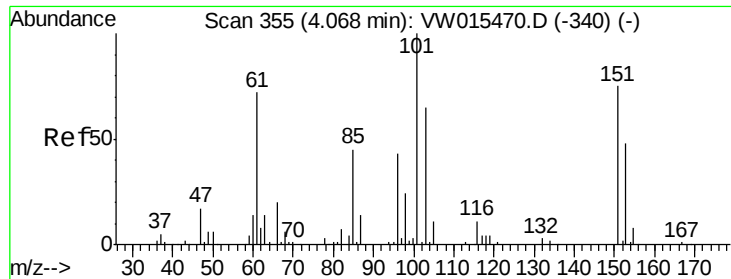
Tgt Ion: 101 Resp: 92109

Ion Ratio Lower Upper

101 100

103 64.9 46.6 86.6





#11

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

Concen: 23.730 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

ClientSampleId :

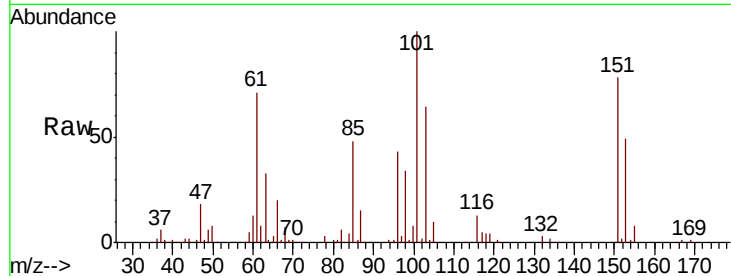
Tot Ion:101 Resp: 103624

Ion Ratio Lower Upper

101 100

85 45.5 35.1 52.7

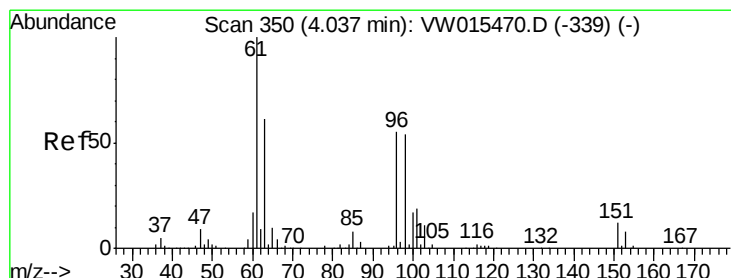
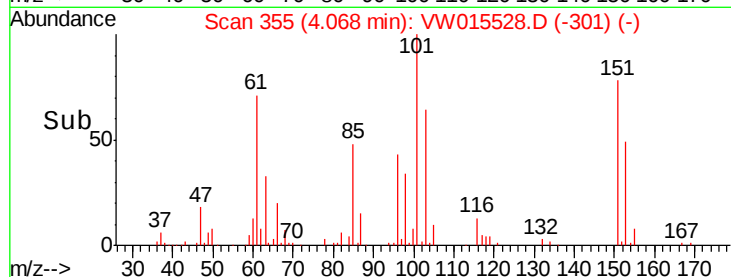
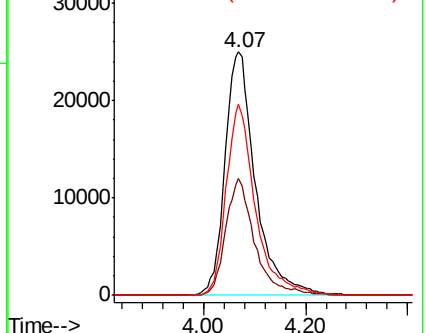
151 75.4 58.6 87.8



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: 23.849 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

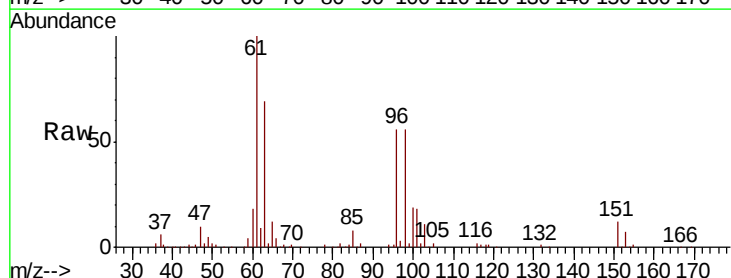
Tgt Ion: 96 Resp: 100598

Ion Ratio Lower Upper

96 100

61 179.4 127.7 237.1

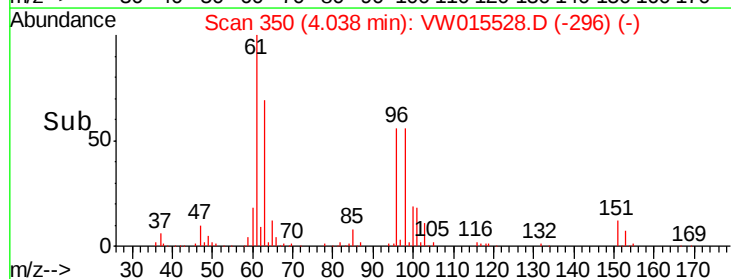
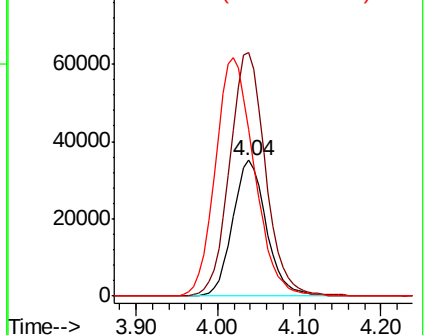
63 123.0 92.3 171.5

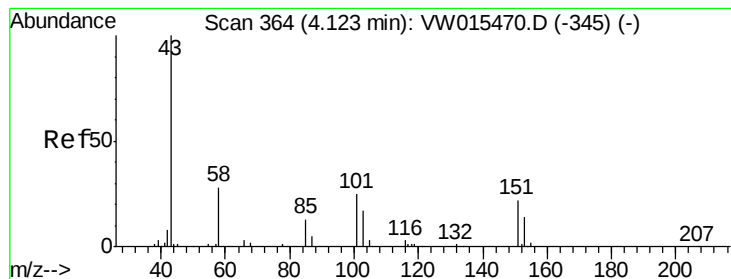


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 63.130 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

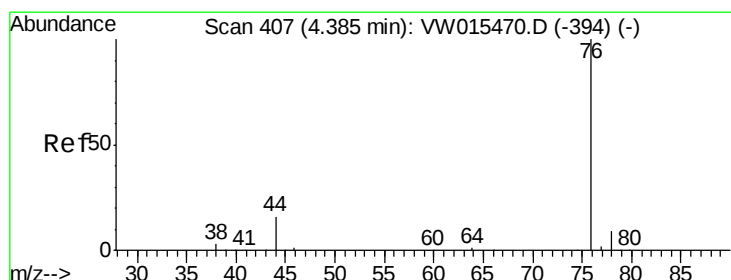
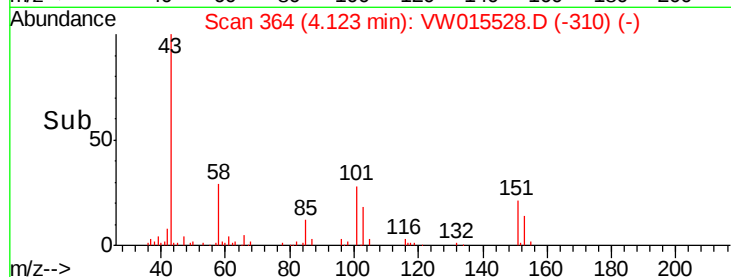
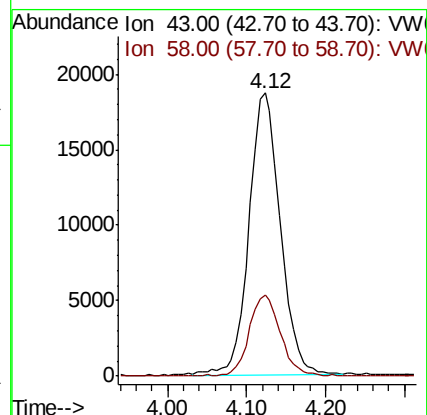
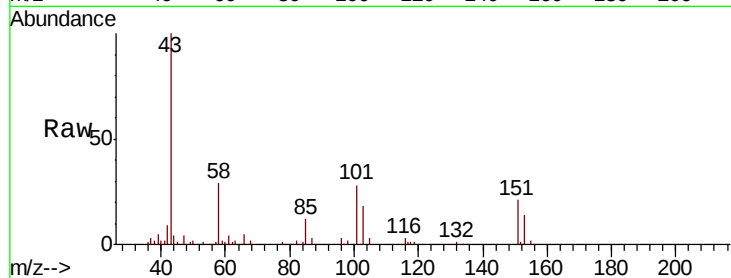
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 51655

Ion Ratio Lower Upper

43 100

58 28.5 0.0 56.8



#14

Carbon disulfide

Concen: 22.814 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015528.D

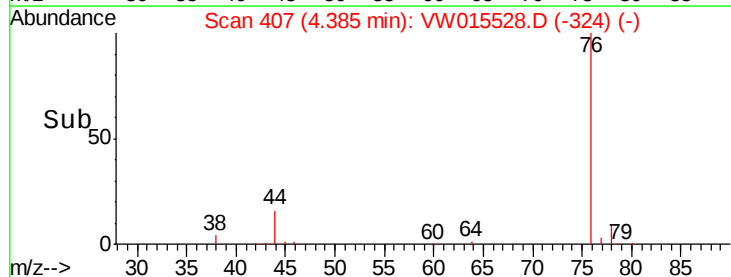
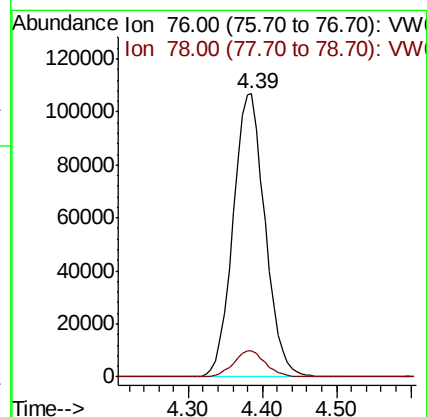
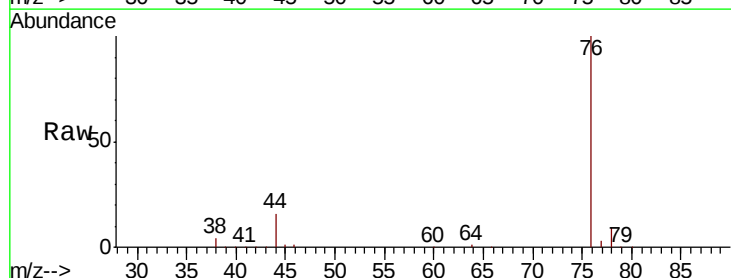
Acq: 03 Jun 2020 09:23

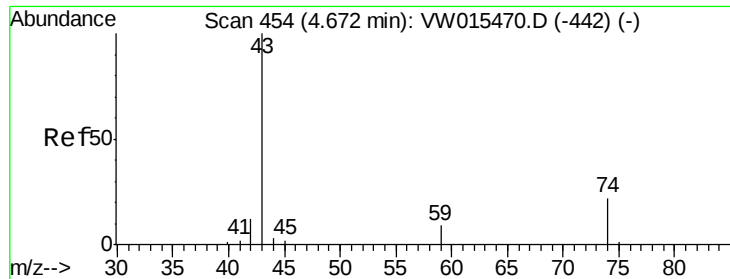
Tgt Ion: 76 Resp: 321036

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

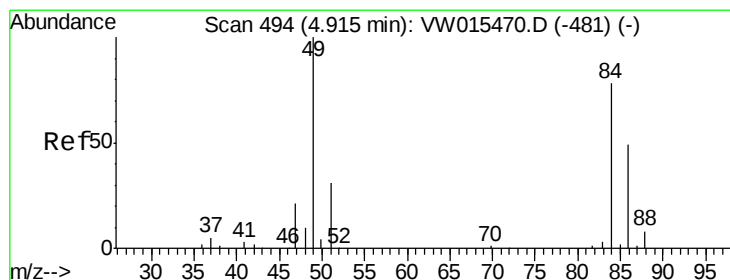
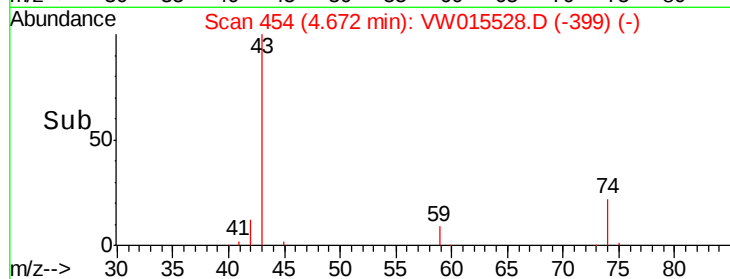
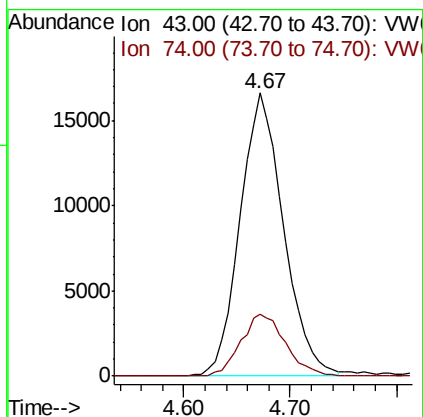
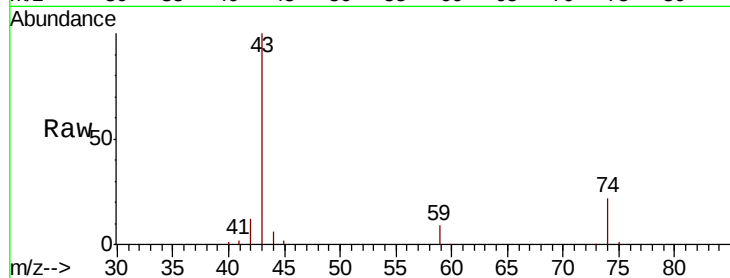




#15
Methyl Acetate
Concen: 26.889 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

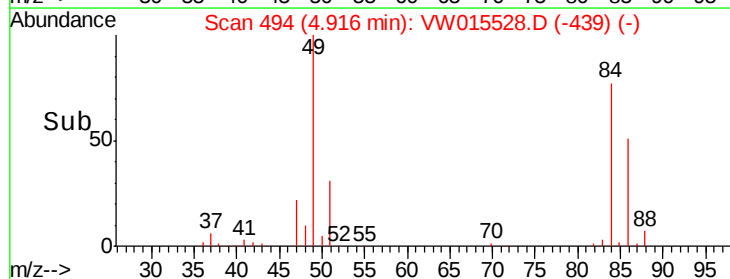
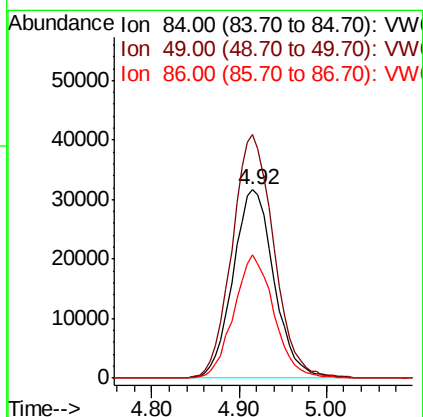
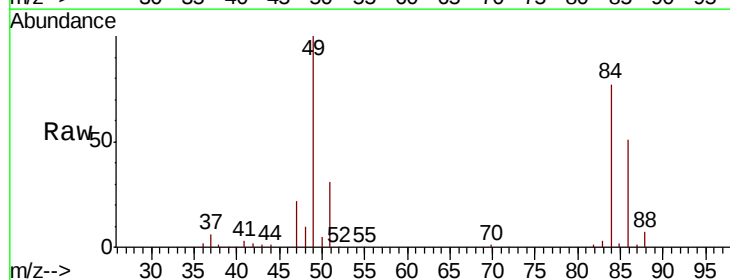
Instrument :
MSVOA_W
ClientSampled :

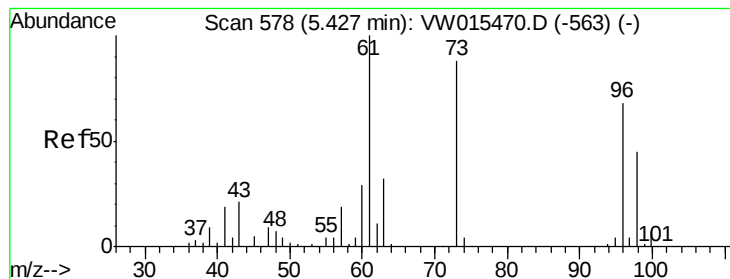
Tot Ion: 43 Resp: 47600
Ion Ratio Lower Upper
43 100
74 22.4 18.2 27.2



#16
Methylene chloride
Concen: 23.793 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Tgt Ion: 84 Resp: 103304
Ion Ratio Lower Upper
84 100
49 129.5 93.0 172.8
86 65.9 44.7 83.1



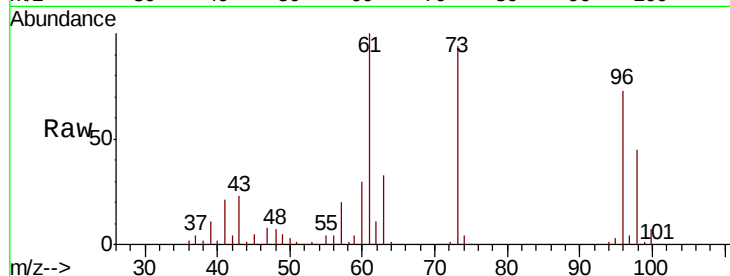


#17

Methyl tert-butyl Ether
 Concen: 24.280 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.2	19.6	29.4
57	22.0	17.7	26.5

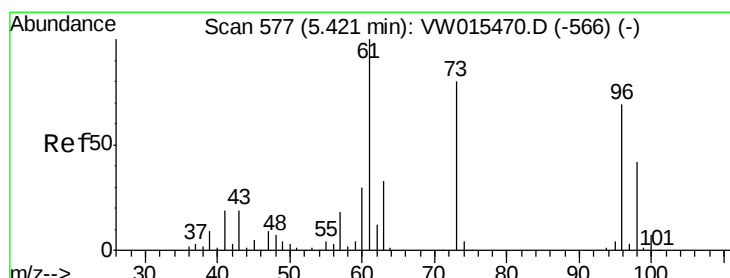
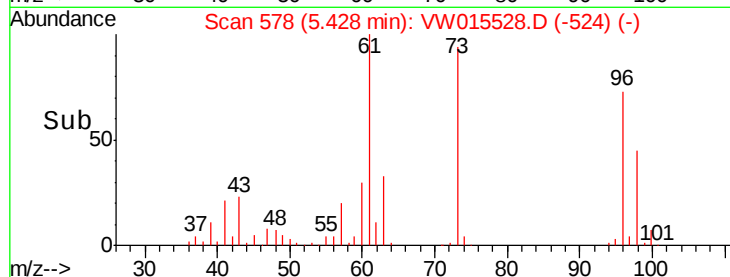
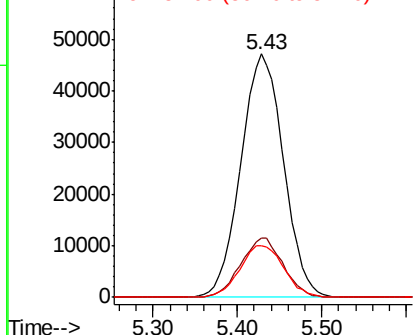


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

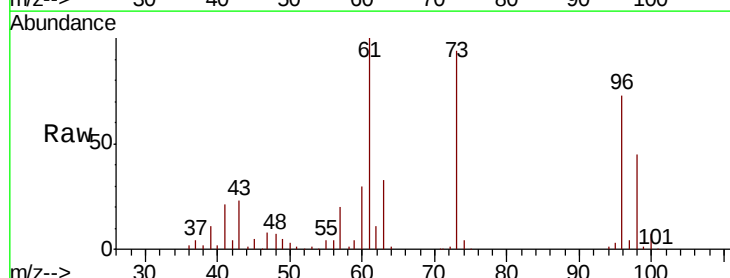
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene
 Concen: 23.540 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	101.9	189.3
98	62.4	44.9	83.5

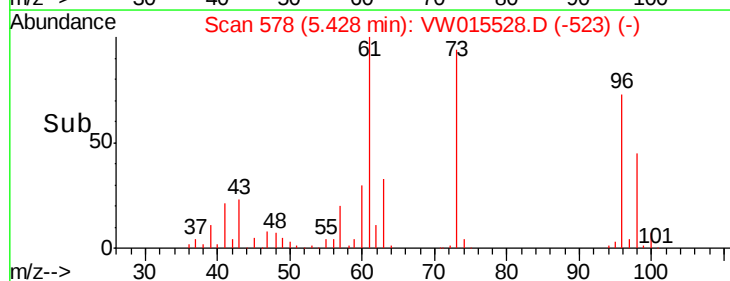
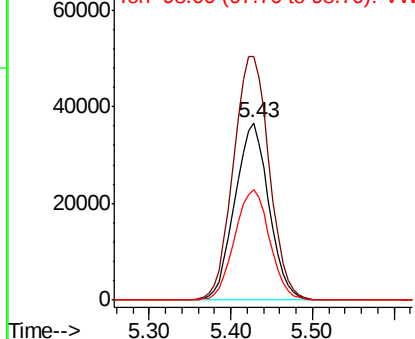


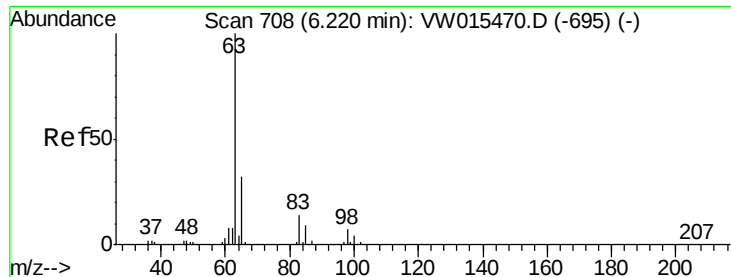
Abundance

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

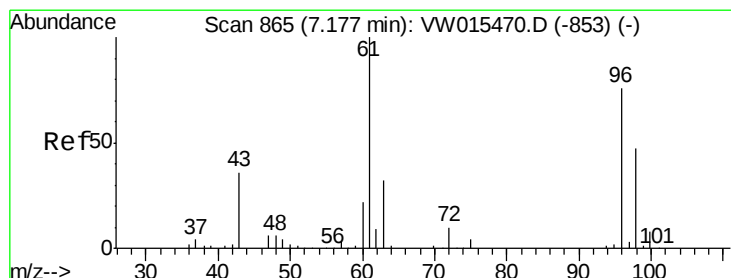
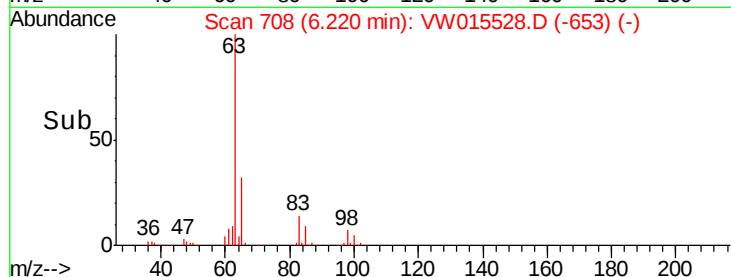
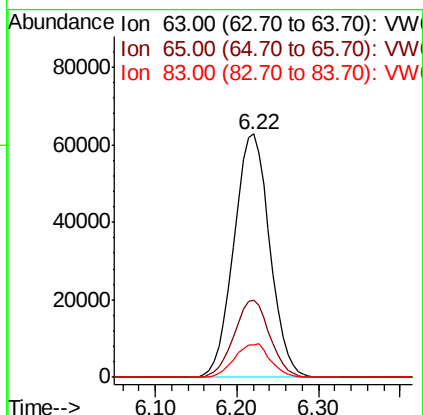
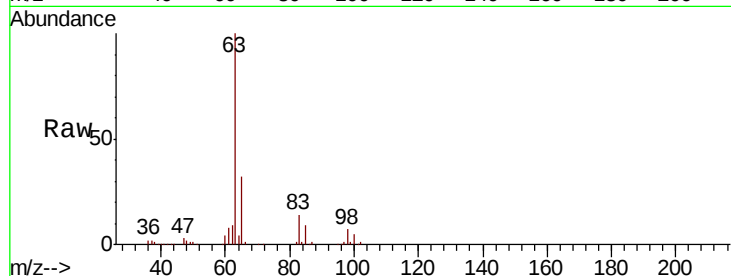




#19
 1,1-Dichloroethane
 Concen: 23.571 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

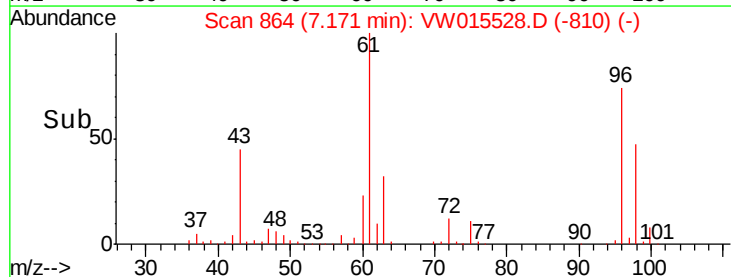
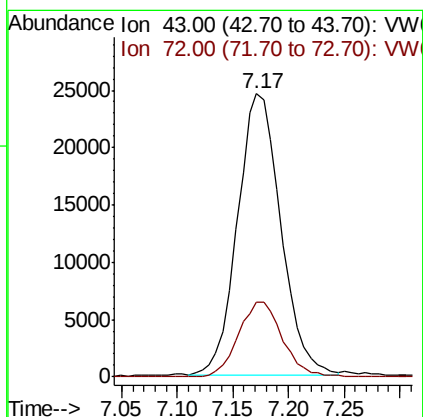
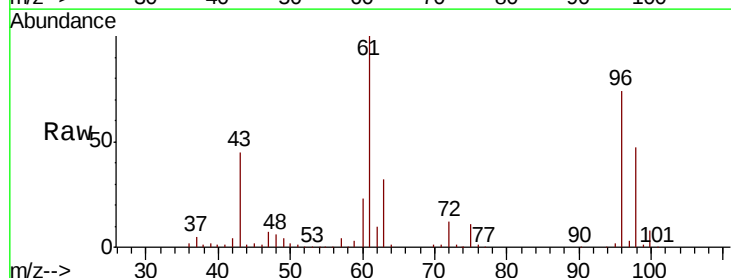
Instrument :
 MSVOA_W
 ClientSampleId :

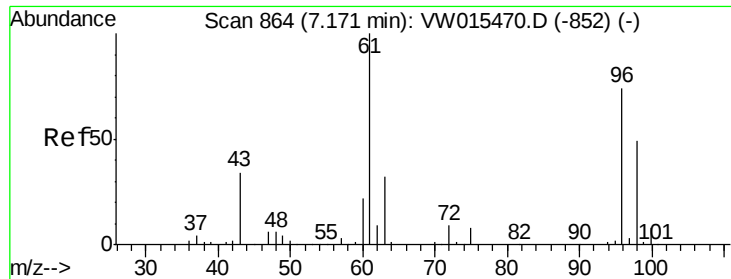
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.1	41.1
83	13.5	9.7	17.9



#21
 2-Butanone
 Concen: 52.618 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.0	13.3	39.9



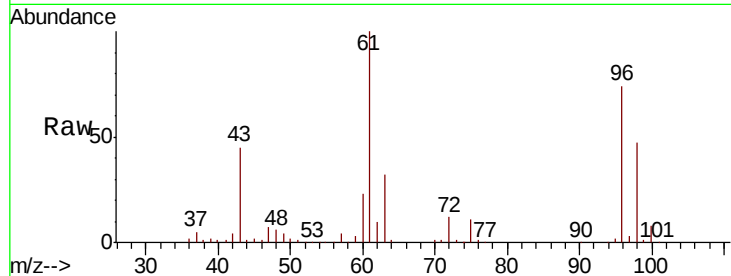


#22

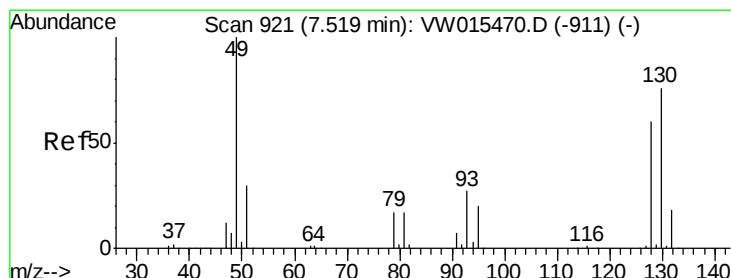
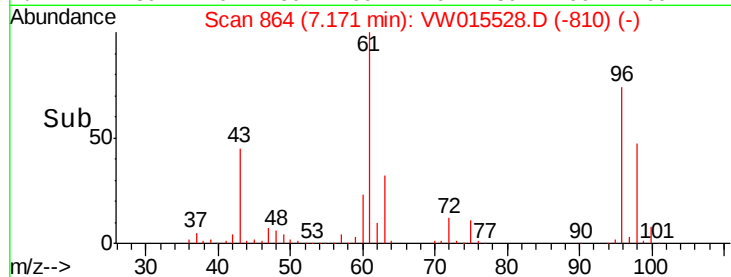
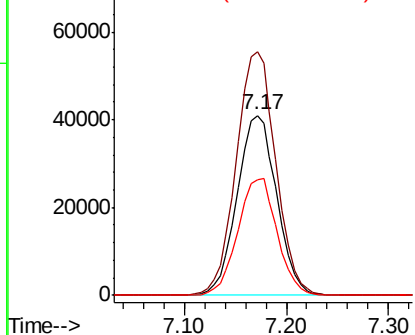
cis-1,2-Dichloroethene
Concen: 23.370 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 110208
Ion Ratio Lower Upper
96 100
61 135.5 93.7 173.9
98 64.0 45.1 83.9



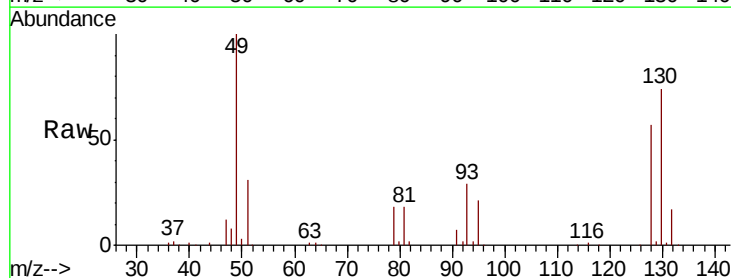
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



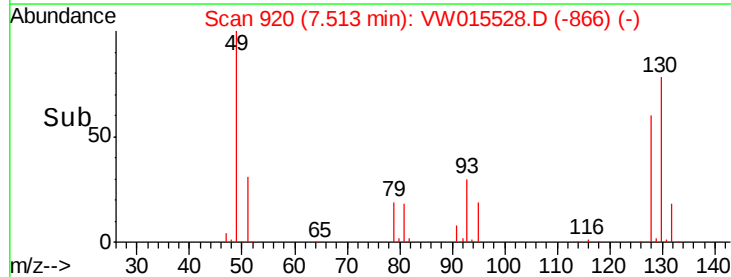
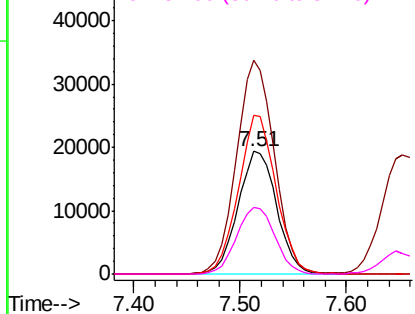
#23

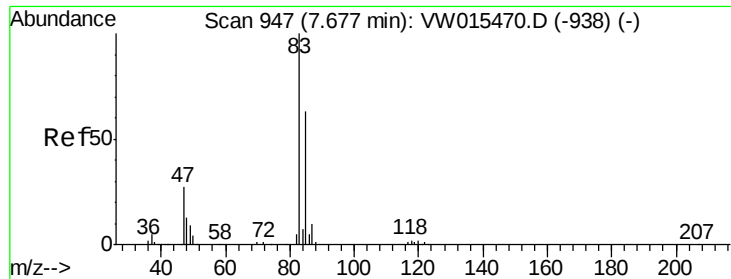
Bromochloromethane
Concen: 24.313 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Tgt Ion: 128 Resp: 49441
Ion Ratio Lower Upper
128 100
49 174.4 118.1 219.3
130 129.4 88.5 164.3
51 53.9 42.8 64.2



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: 23.831 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

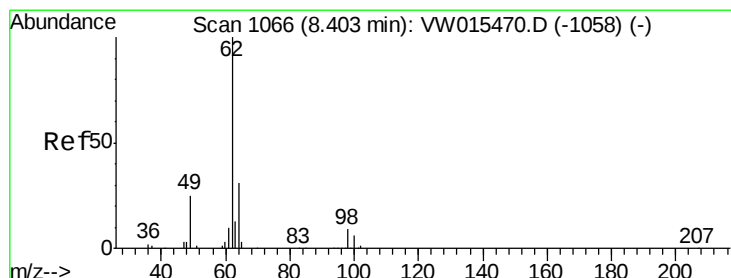
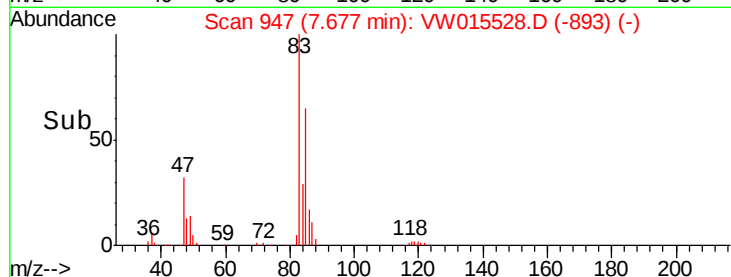
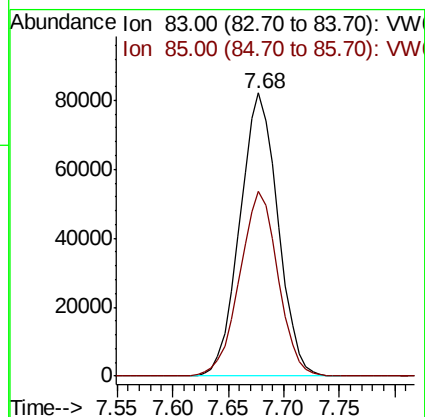
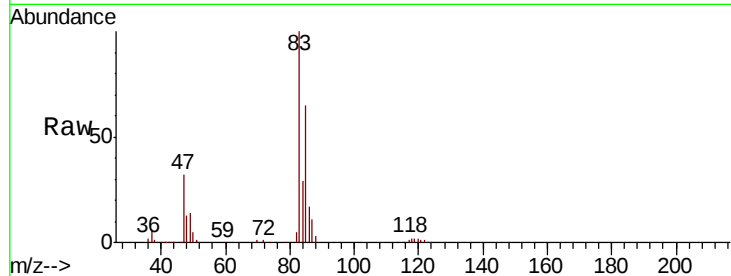
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 195112

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 24.630 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015528.D

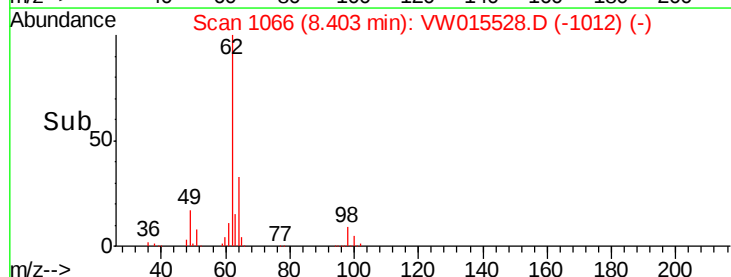
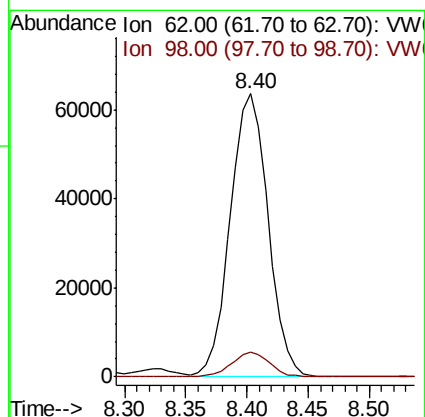
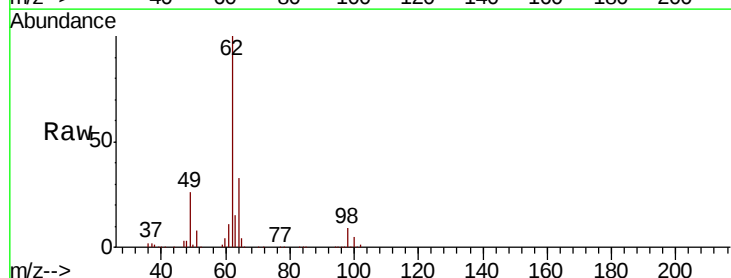
Acq: 03 Jun 2020 09:23

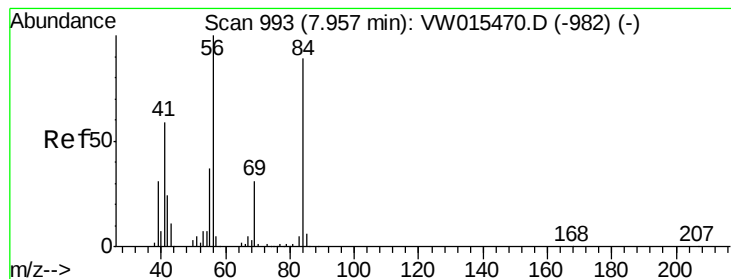
Tgt Ion: 62 Resp: 136420

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4





#30

Cvclohexane

Concen: 23.423 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :
MSVOA_W
ClientSampled :

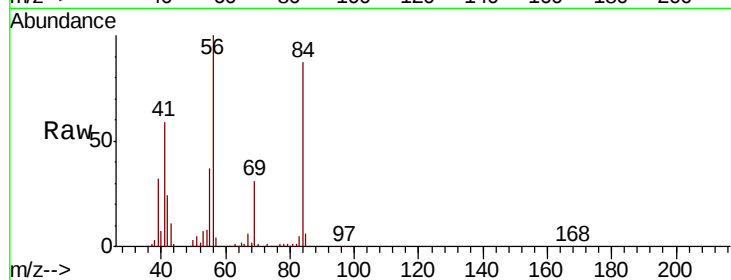
Tot Ion: 56 Resp: 182700

Ion Ratio Lower Upper

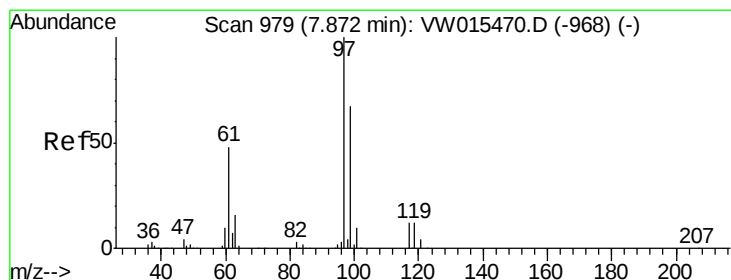
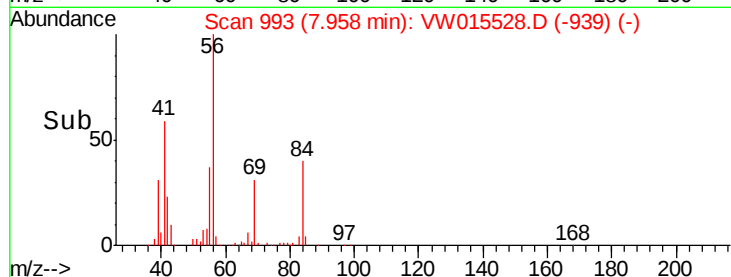
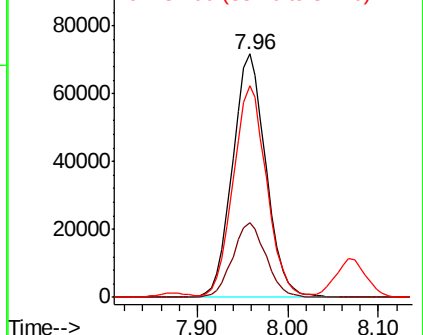
56 100

69 30.8 24.6 37.0

84 87.5 69.6 104.4



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: 24.464 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

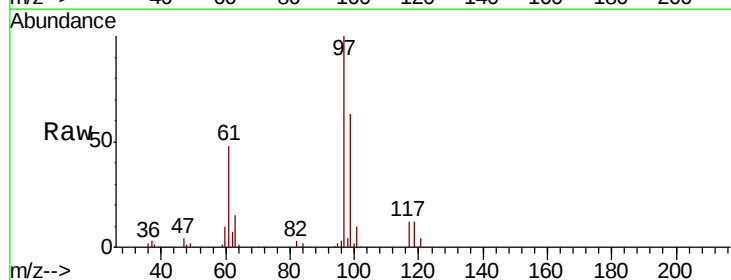
Tgt Ion: 97 Resp: 172695

Ion Ratio Lower Upper

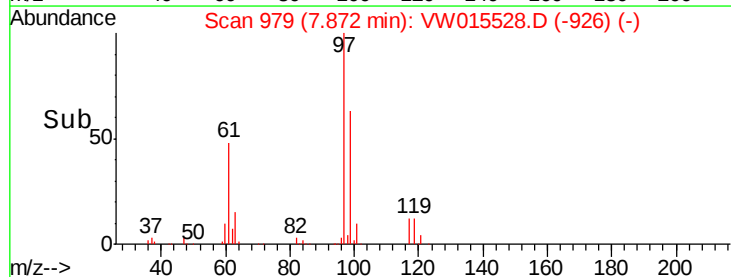
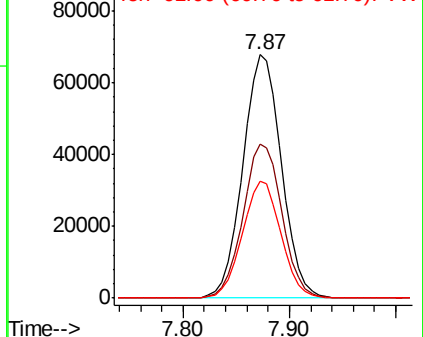
97 100

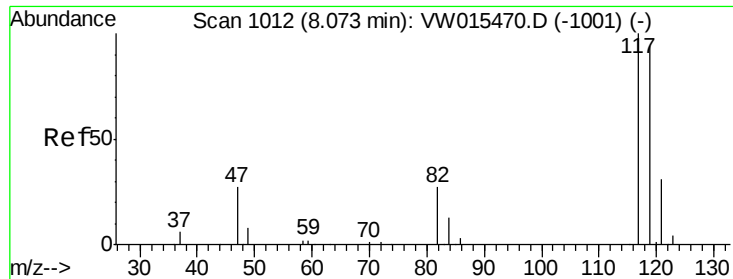
99 63.8 51.4 77.0

61 47.9 38.1 57.1



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: 24.529 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

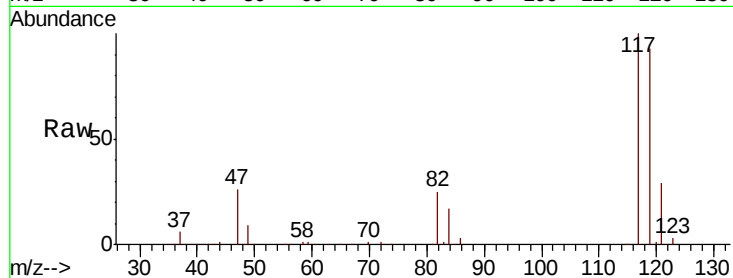
ClientSampleId :

Tot Ion:117 Resp: 158814

Ion Ratio Lower Upper

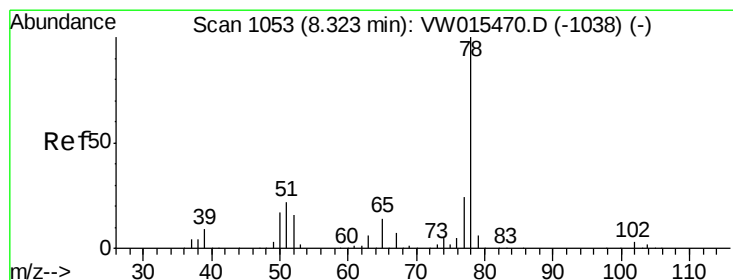
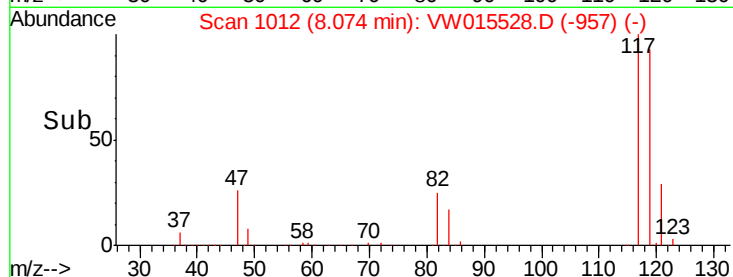
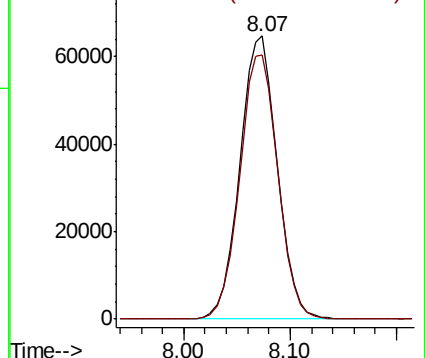
117 100

119 95.4 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.197 ug/L

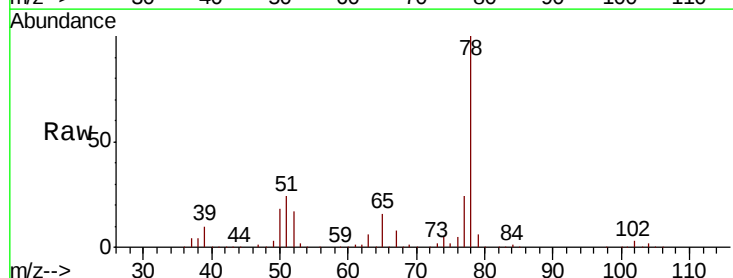
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

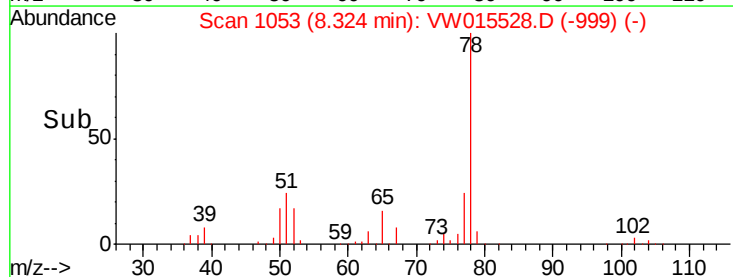
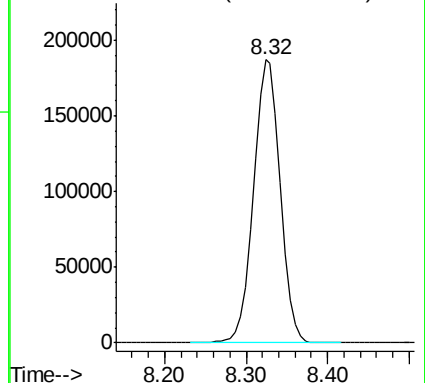
Lab File: VW015528.D

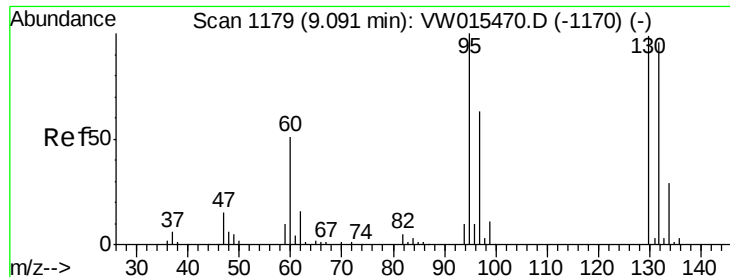
Acq: 03 Jun 2020 09:23

Tgt Ion: 78 Resp: 426993



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.170 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 114567

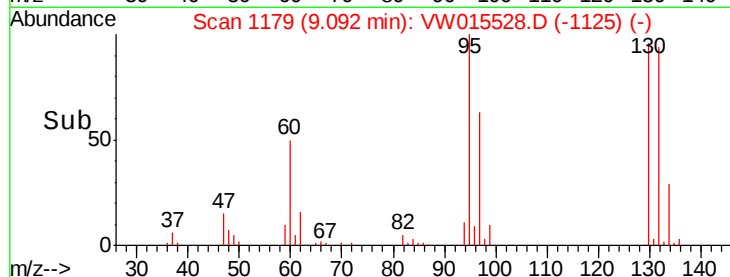
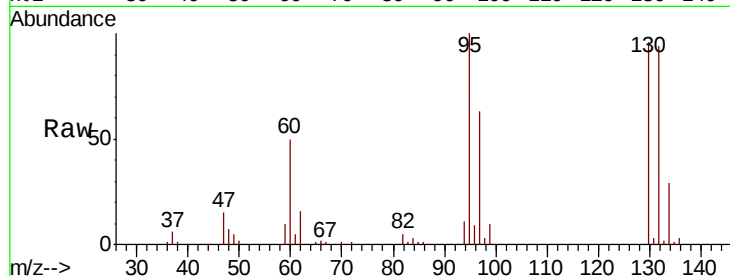
Ion Ratio Lower Upper

95 100

97 63.2 45.4 84.2

132 94.8 67.1 124.7

130 99.2 69.4 128.8

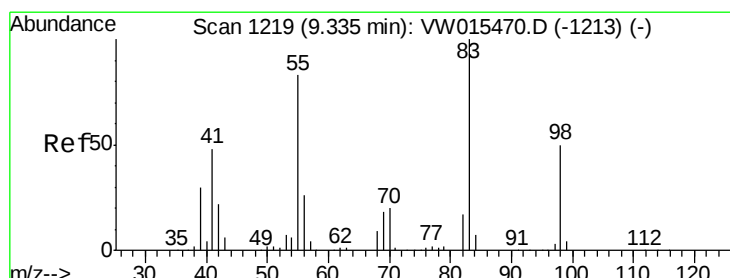
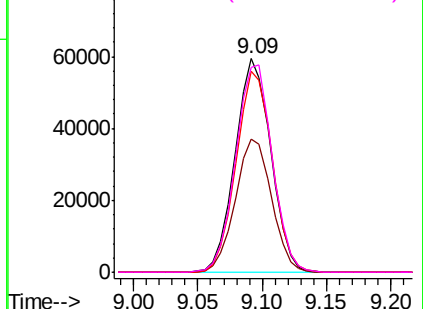


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.696 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

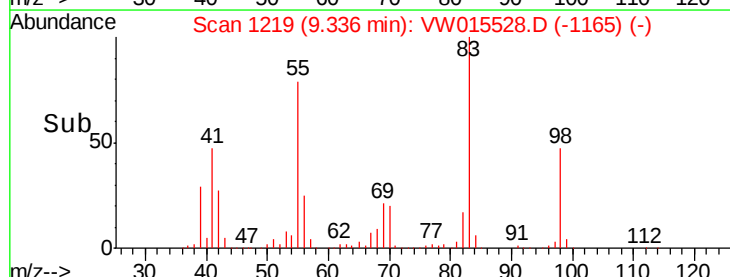
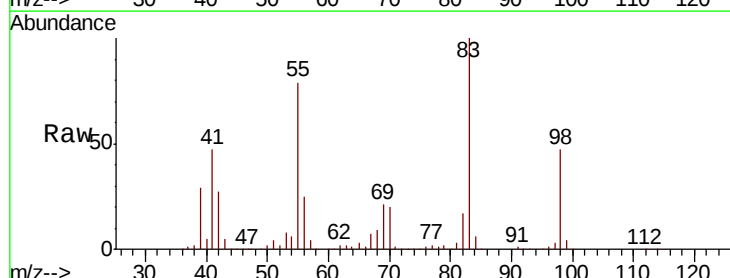
Tgt Ion: 83 Resp: 200322

Ion Ratio Lower Upper

83 100

55 78.5 62.8 94.2

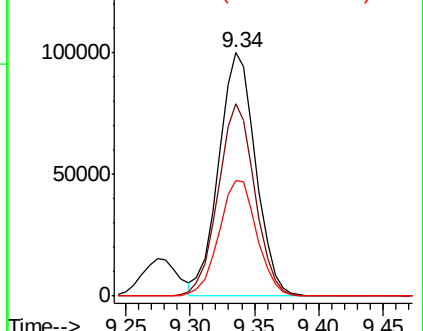
98 49.1 39.2 58.8

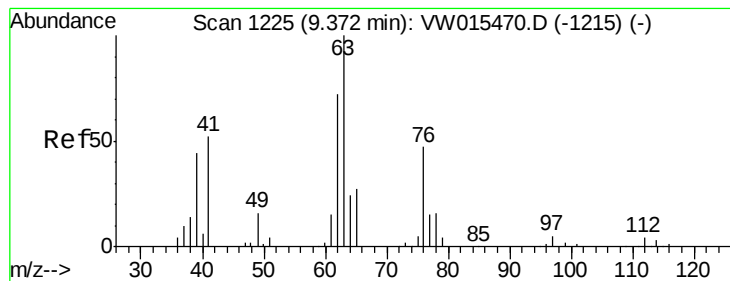


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.299 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

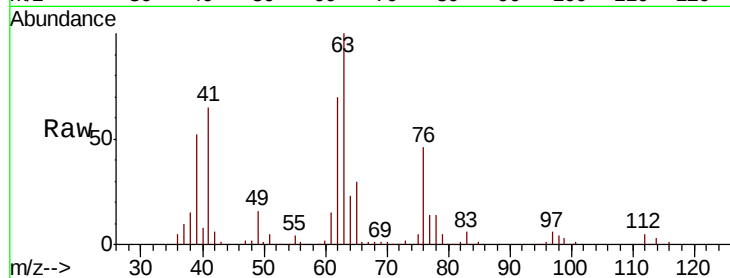
ClientSampleId :

Tot Ion: 63 Resp: 105592

Ion Ratio Lower Upper

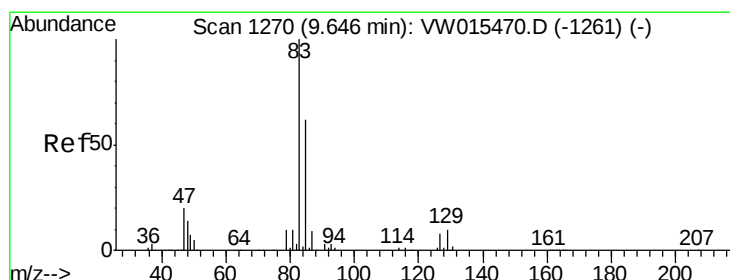
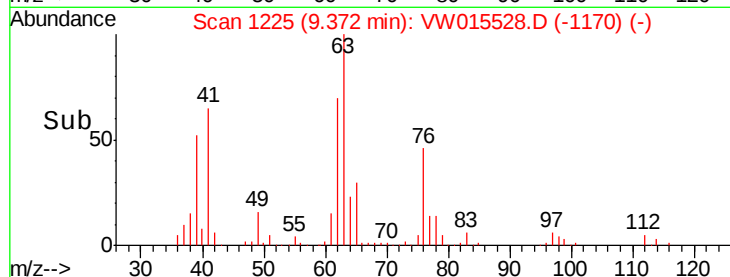
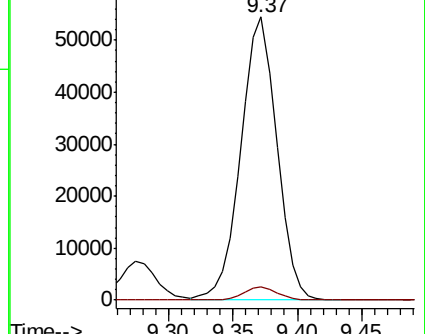
63 100

112 4.4 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.149 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

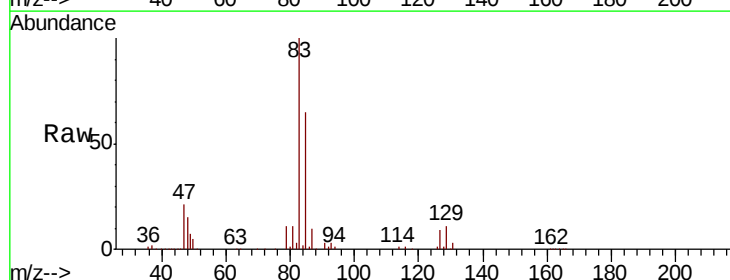
Tgt Ion: 83 Resp: 140194

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

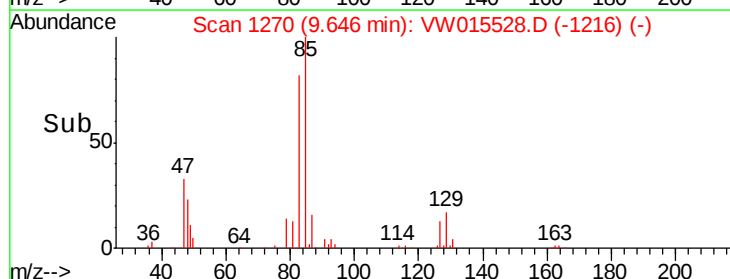
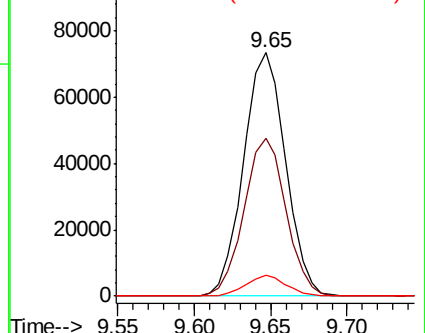
127 8.7 7.0 10.6

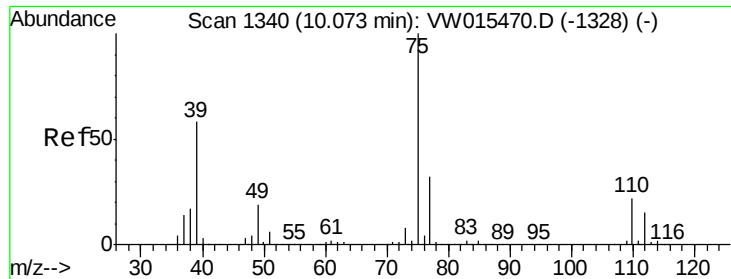


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

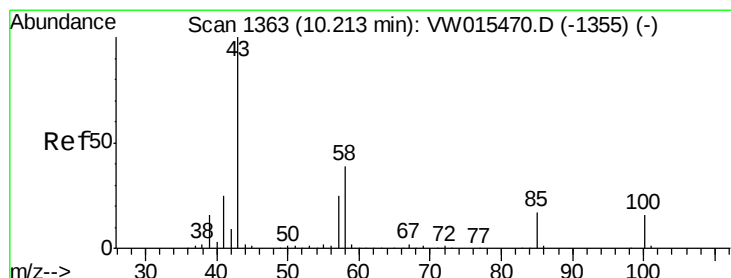
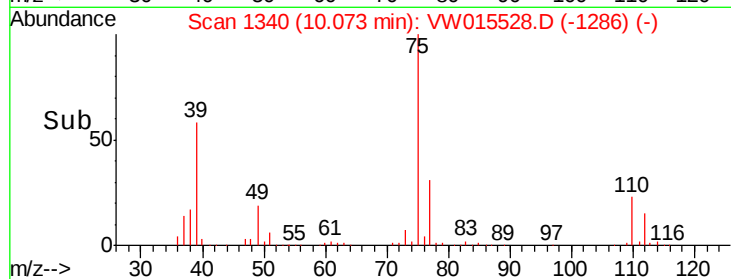
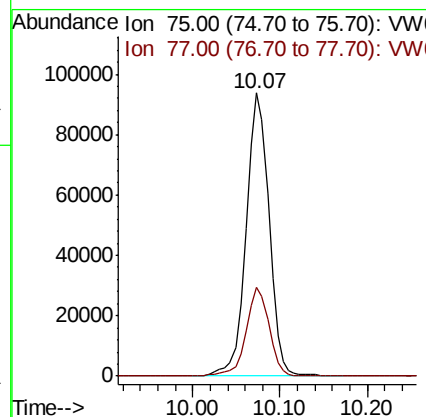
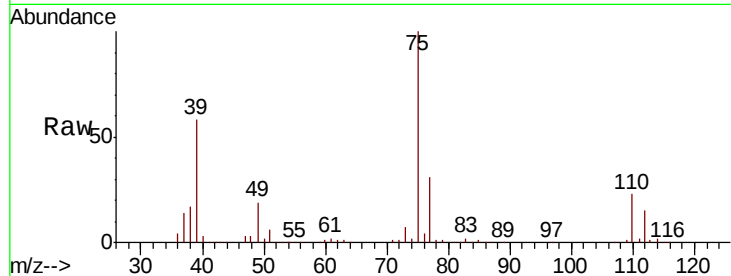




#42
 cis-1,3-Dichloropropene
 Concen: 24.532 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

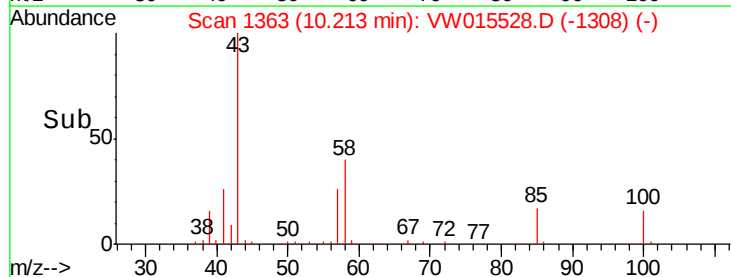
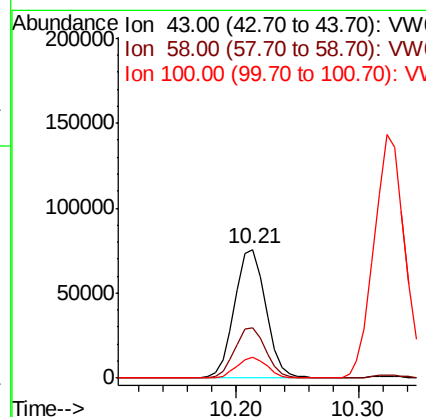
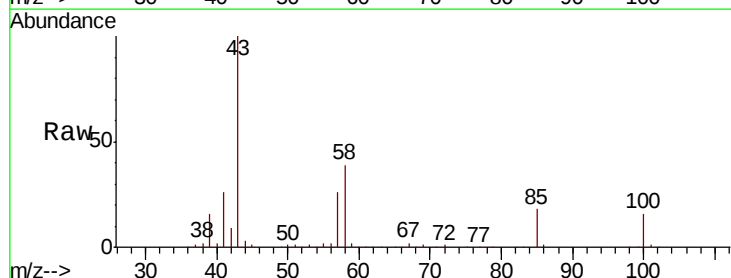
Instrument :
 MSVOA_W
 ClientSampled :

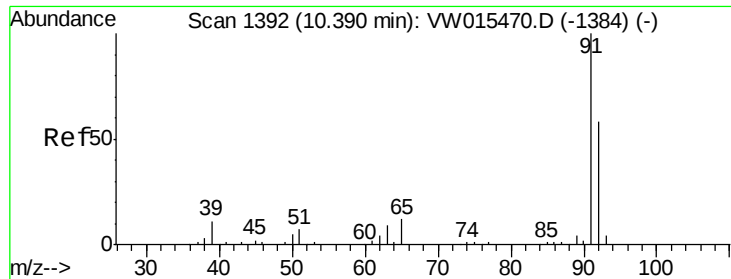
Tot Ion: 75 Resp: 170595
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 52.826 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion: 43 Resp: 134564
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.6 46.0
 100 15.8 12.5 18.7





#44

Toluene

Concen: 24.285 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

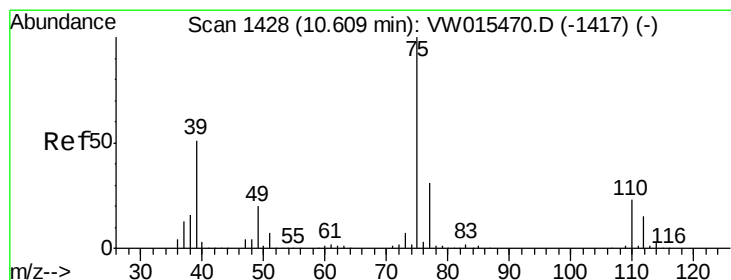
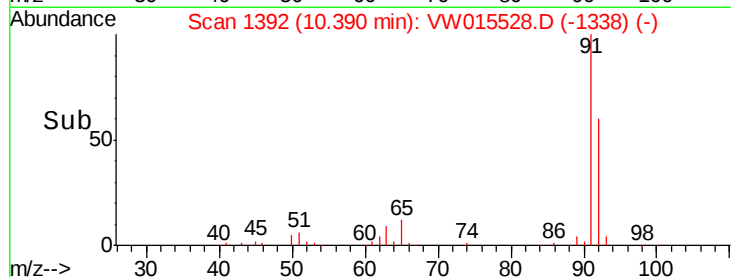
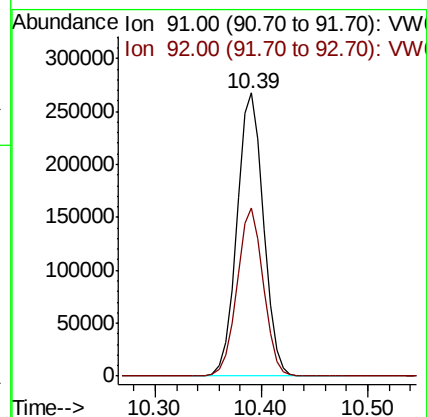
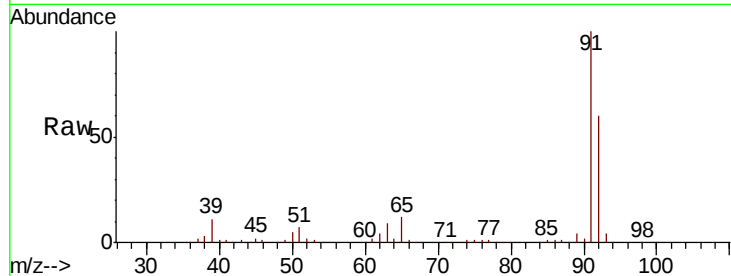
ClientSampleId :

Tot Ion: 91 Resp: 466877

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 24.975 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015528.D

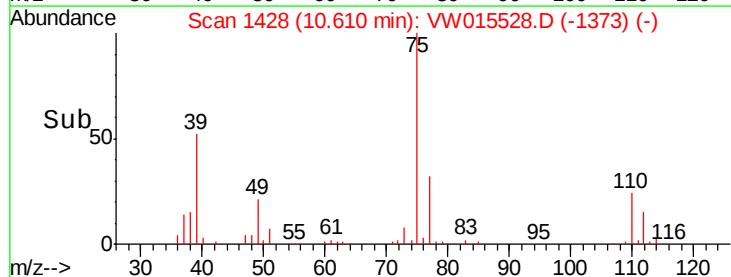
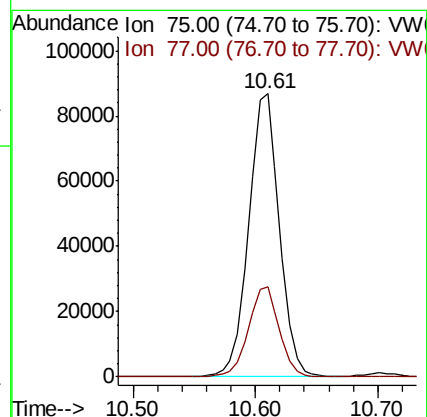
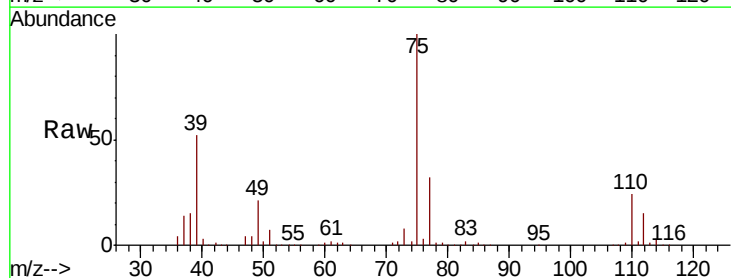
Acq: 03 Jun 2020 09:23

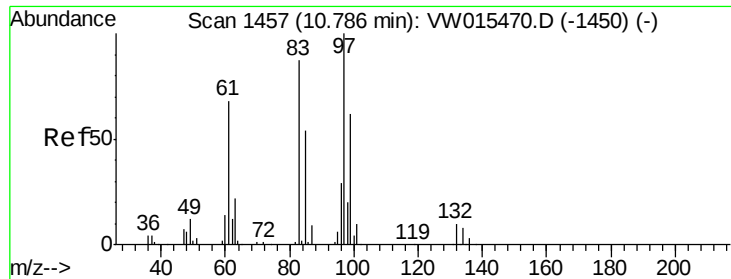
Tgt Ion: 75 Resp: 151138

Ion Ratio Lower Upper

75 100

77 31.9 21.5 39.9



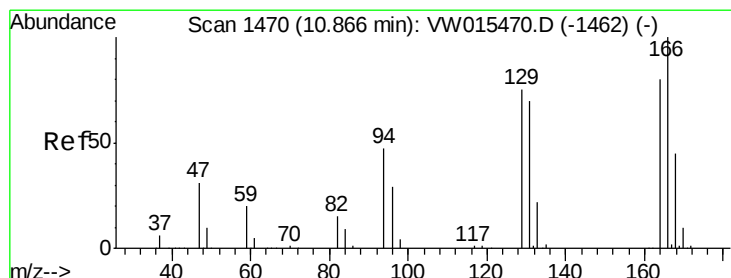
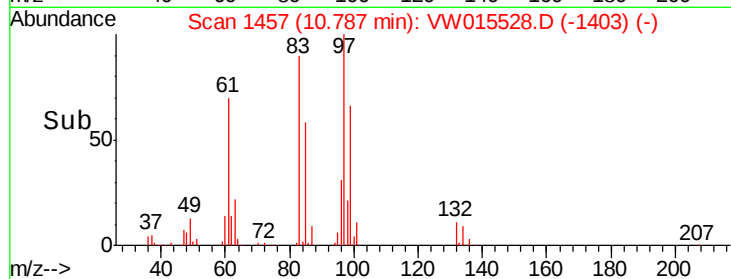
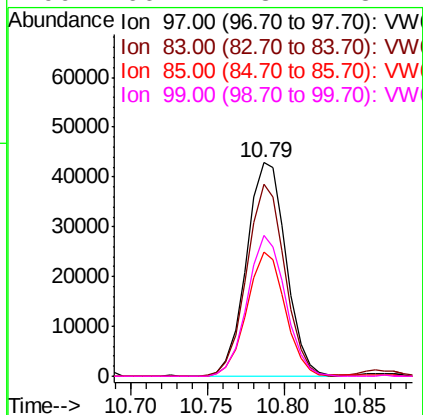
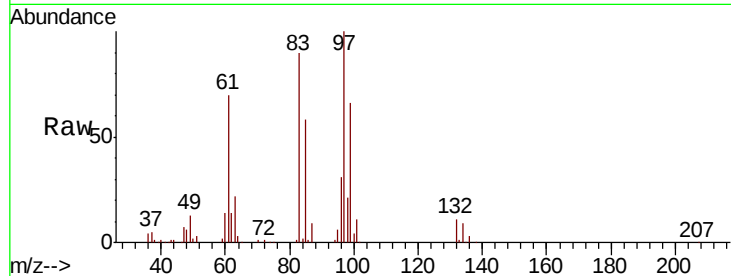


#46
1,1,2-Trichloroethane
Concen: 25.423 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 77289

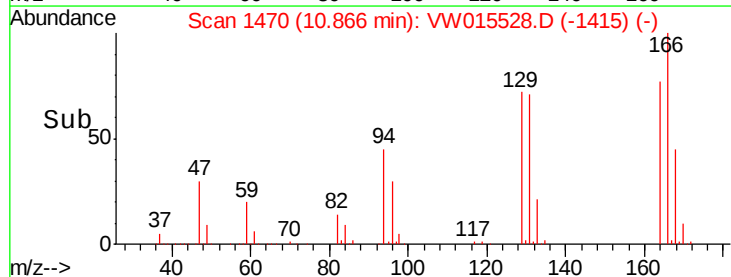
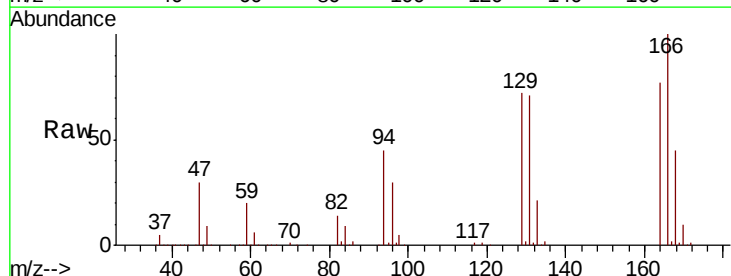
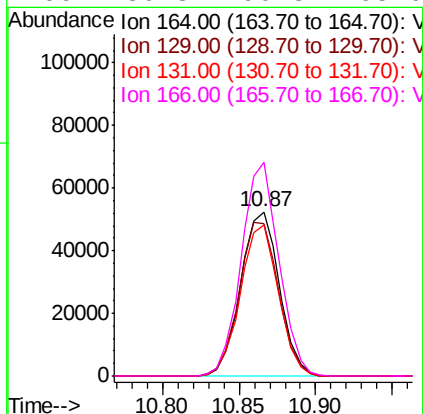
Ion	Ratio	Lower	Upper
97	100		
83	89.9	58.2	108.2
85	57.9	37.4	69.4
99	66.2	43.7	81.1

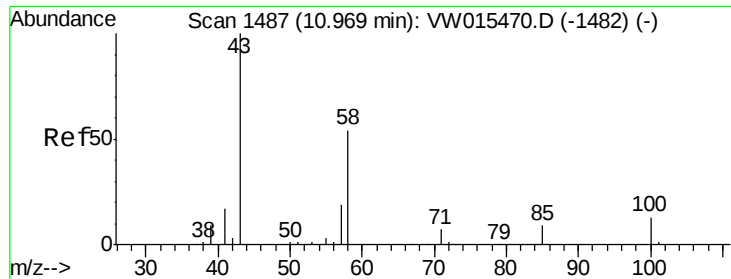


#47
Tetrachloroethene
Concen: 24.544 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Tgt Ion: 164 Resp: 92222

Ion	Ratio	Lower	Upper
164	100		
129	93.2	66.3	123.1
131	92.1	65.1	120.9
166	130.3	90.8	168.6





#49

2-Hexanone

Concen: 56.801 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 97662

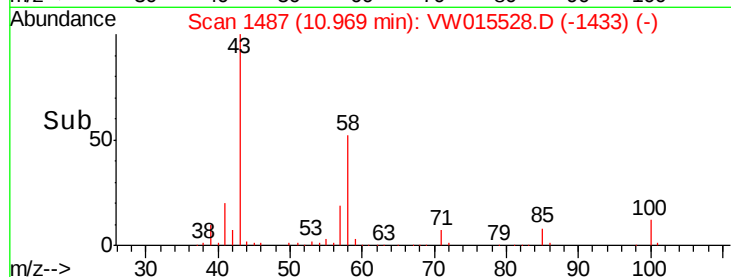
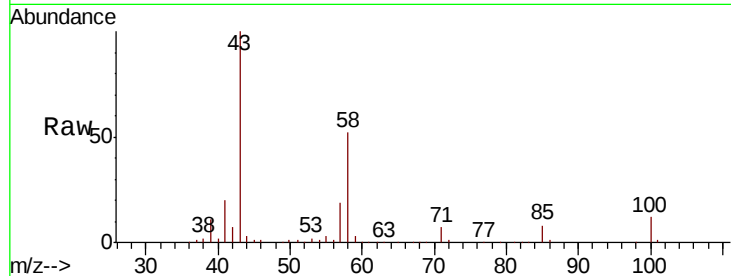
Ion Ratio Lower Upper

43 100

58 52.0 42.6 64.0

57 18.8 15.5 23.3

100 12.4 10.3 15.5

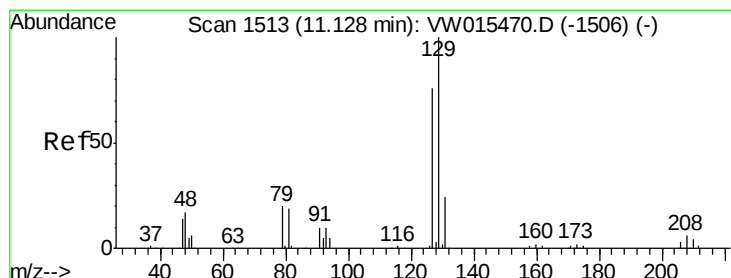
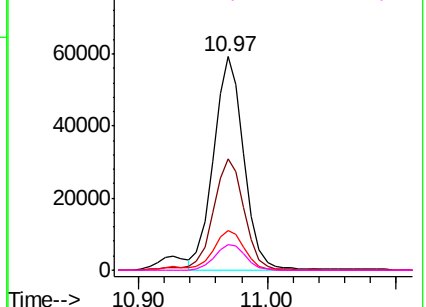


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.344 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015528.D

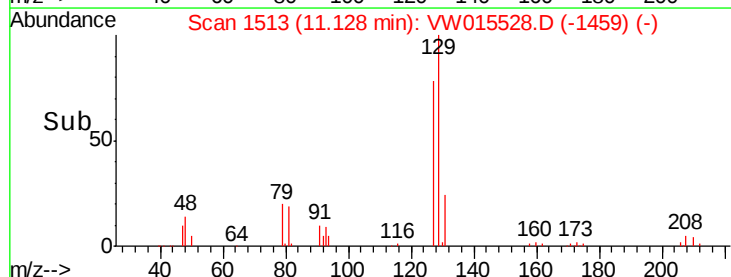
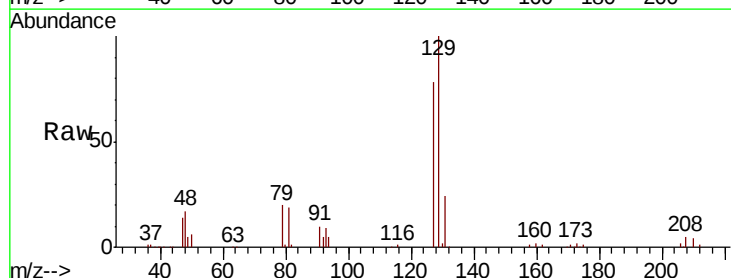
Acq: 03 Jun 2020 09:23

Tgt Ion:129 Resp: 93613

Ion Ratio Lower Upper

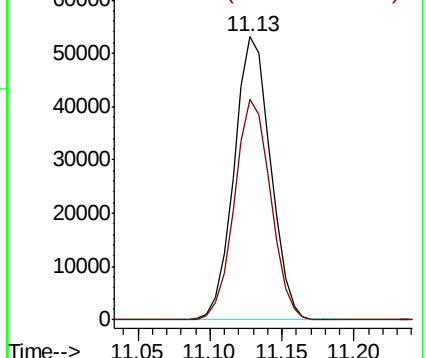
129 100

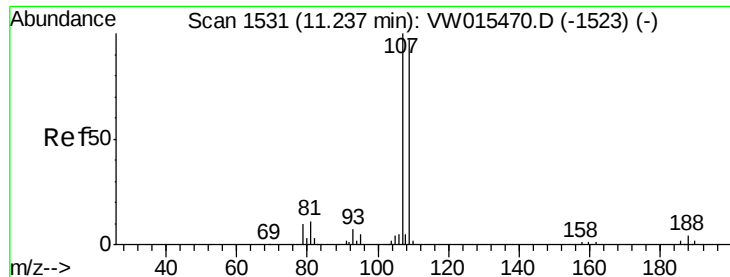
127 78.1 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

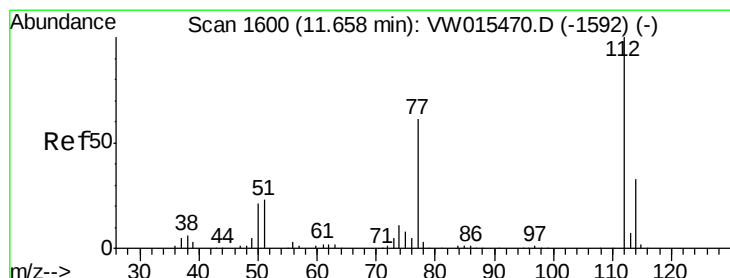
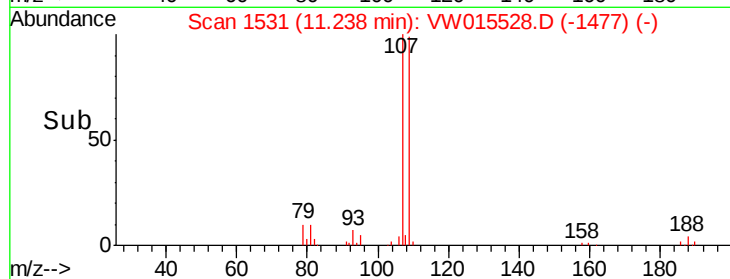
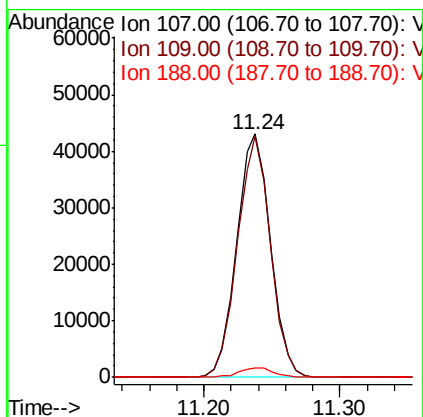
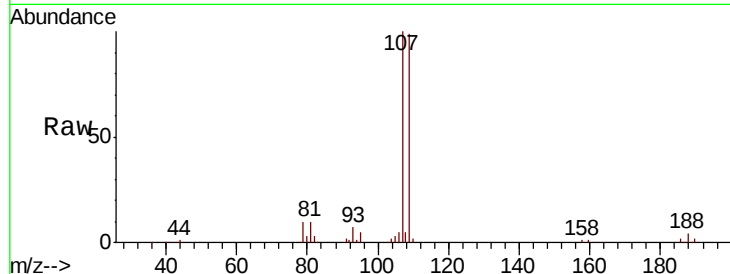




#51
1,2-Dibromoethane
Concen: 25.592 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

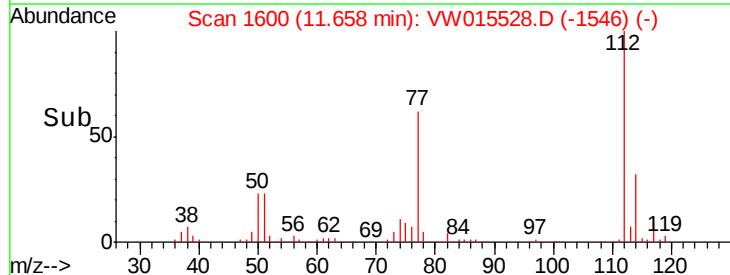
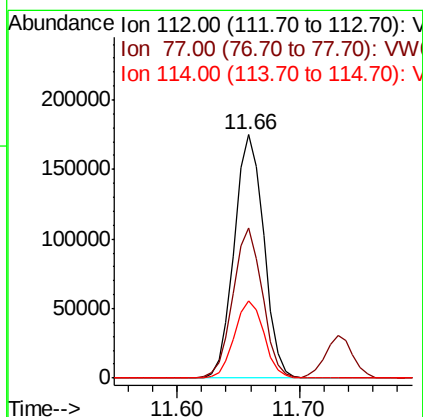
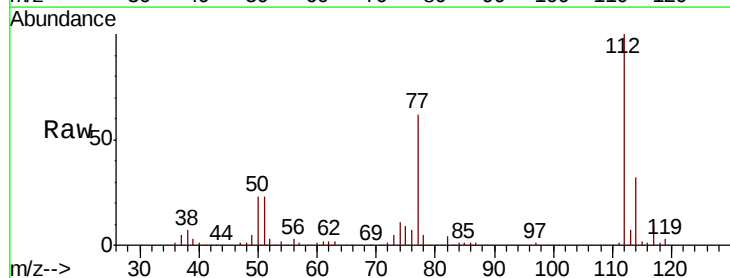
Instrument :
MSVOA_W
ClientSampled :

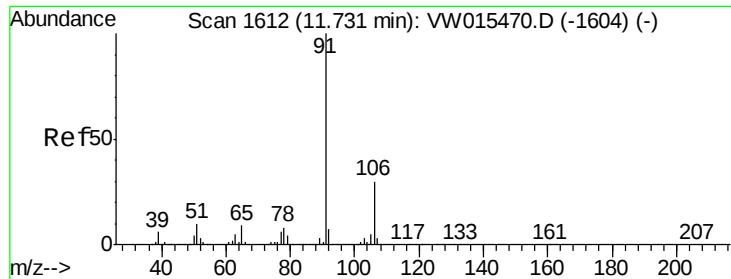
Tot Ion:107 Resp: 74694
Ion Ratio Lower Upper
107 100
109 98.8 64.6 120.0
188 4.0 2.8 4.2



#52
Chlorobenzene
Concen: 24.225 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015528.D
Acq: 03 Jun 2020 09:23

Tgt Ion:112 Resp: 292128
Ion Ratio Lower Upper
112 100
77 61.8 49.7 74.5
114 31.6 21.8 40.6





#53

Ethylbenzene

Concen: 23.924 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

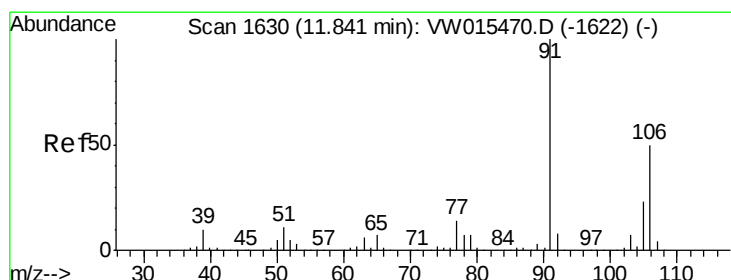
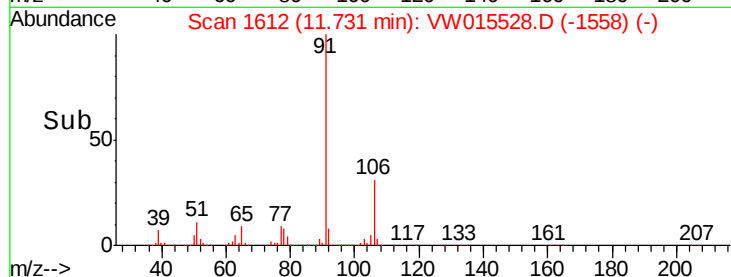
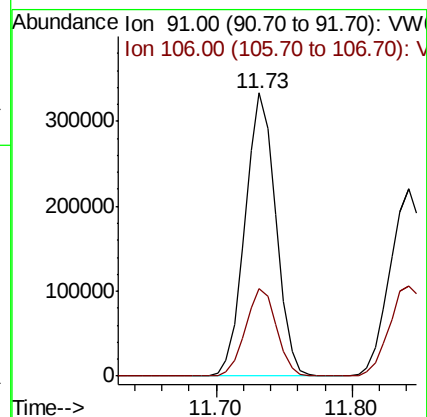
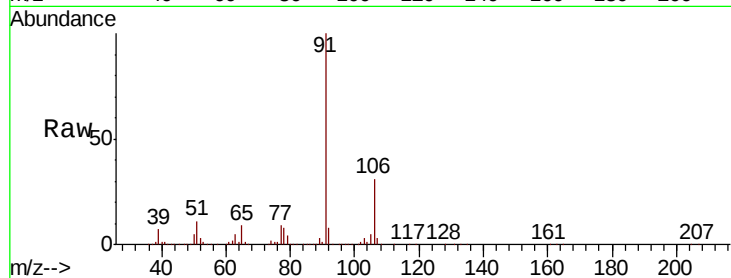
ClientSampleId :

Tot Ion: 91 Resp: 528132

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.6



#54

m,p-Xylene

Concen: 24.290 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015528.D

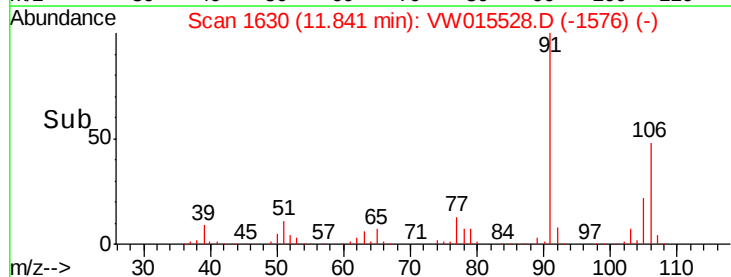
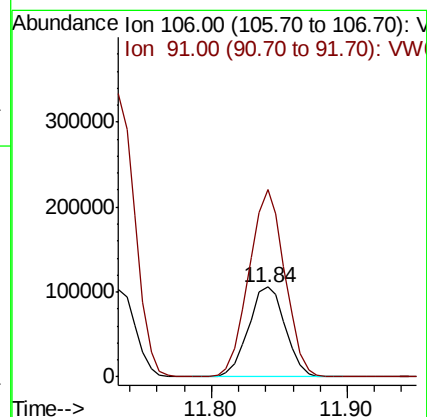
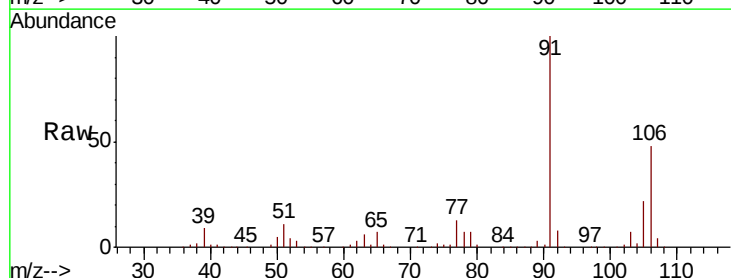
Acq: 03 Jun 2020 09:23

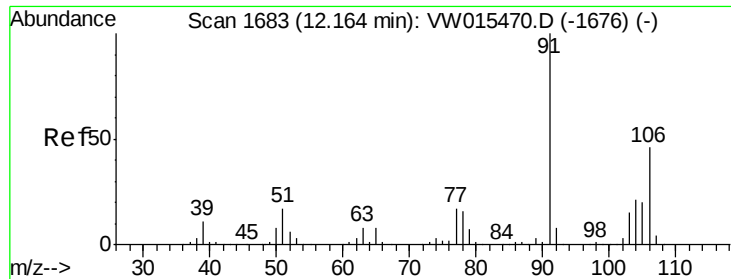
Tgt Ion: 106 Resp: 201213

Ion Ratio Lower Upper

106 100

91 208.4 142.6 264.8





#55

o-xylene

Concen: 24.096 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

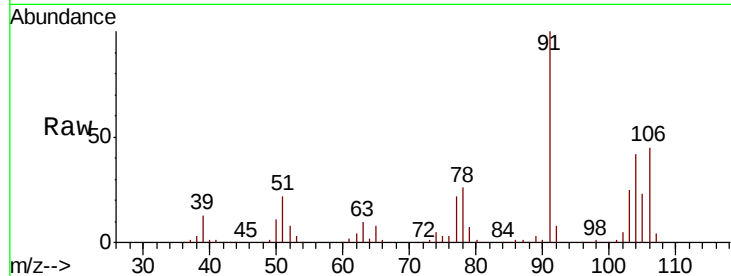
ClientSampled :

Tot Ion:106 Resp: 189463

Ion Ratio Lower Upper

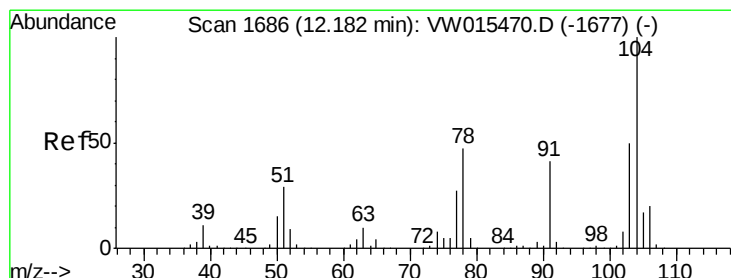
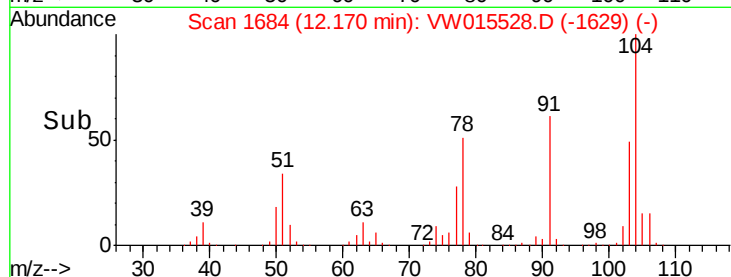
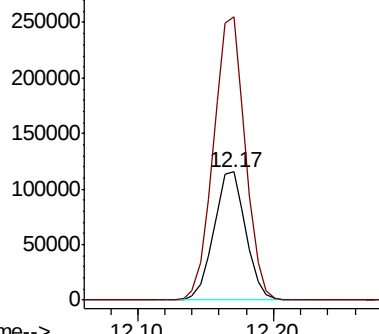
106 100

91 220.9 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.058 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015528.D

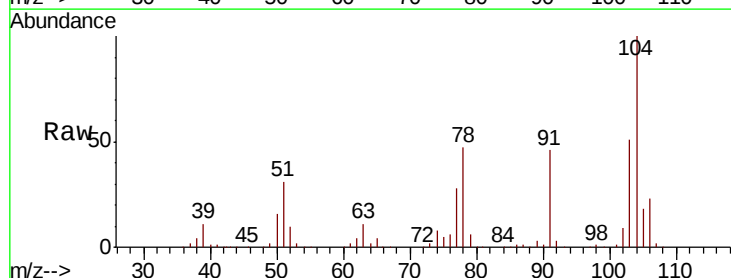
Acq: 03 Jun 2020 09:23

Tgt Ion:104 Resp: 323224

Ion Ratio Lower Upper

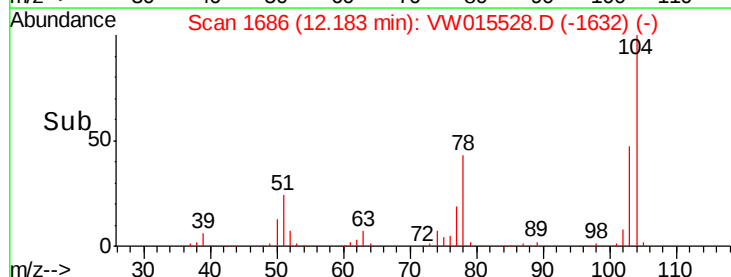
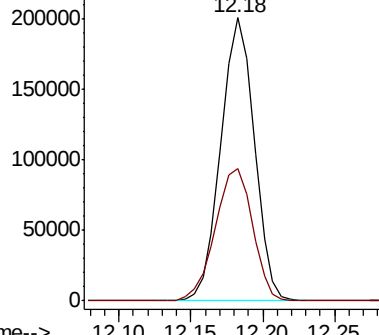
104 100

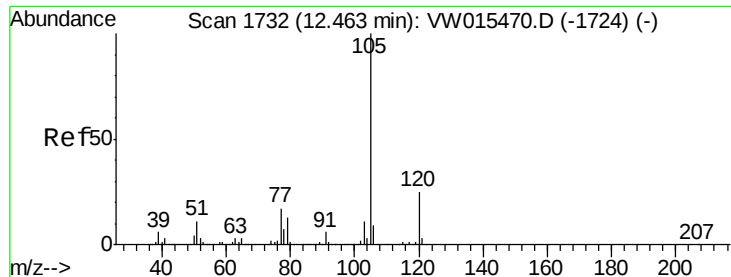
78 46.9 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.124 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

ClientSampleId :

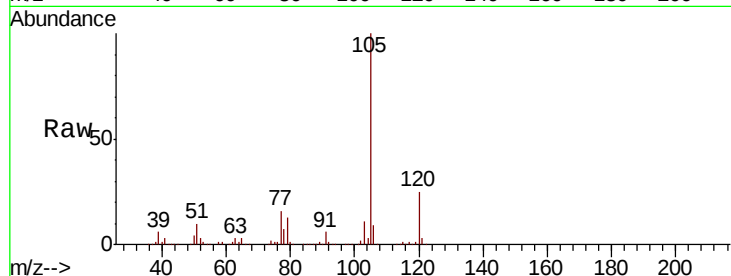
Tot Ion:105 Resp: 528398

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

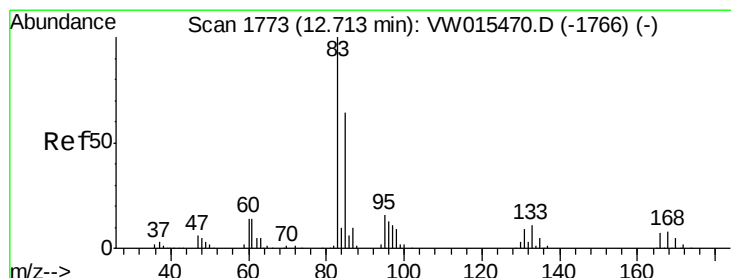
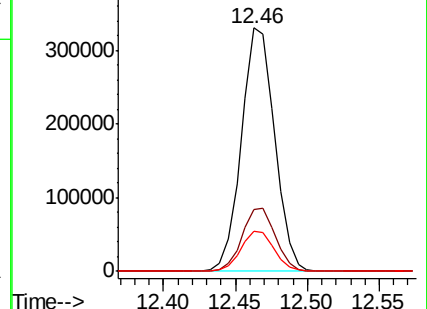
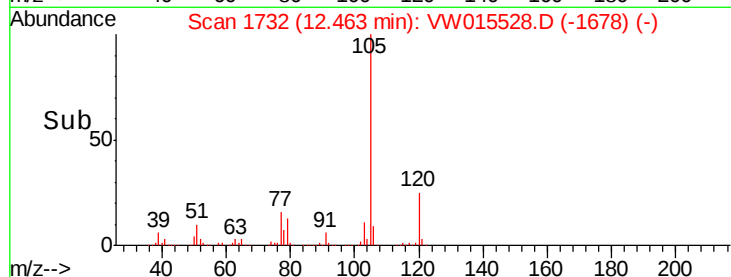
77 16.5 13.0 19.6



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: 26.842 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

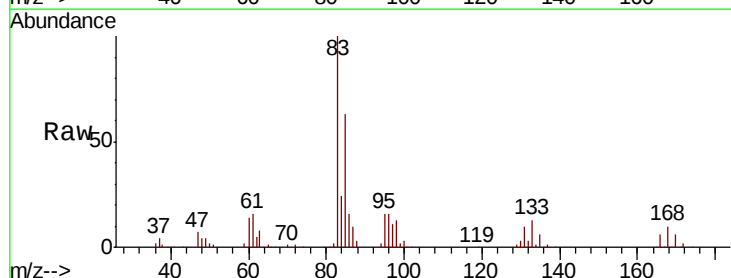
Tgt Ion: 83 Resp: 94477

Ion Ratio Lower Upper

83 100

85 63.1 44.7 82.9

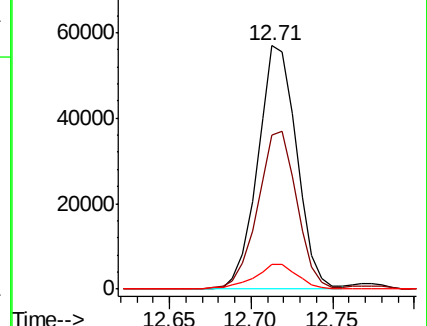
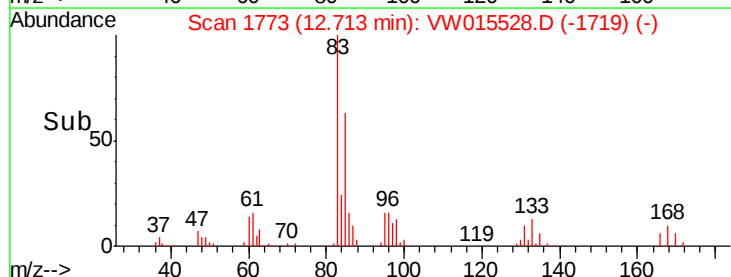
131 10.2 9.1 13.7

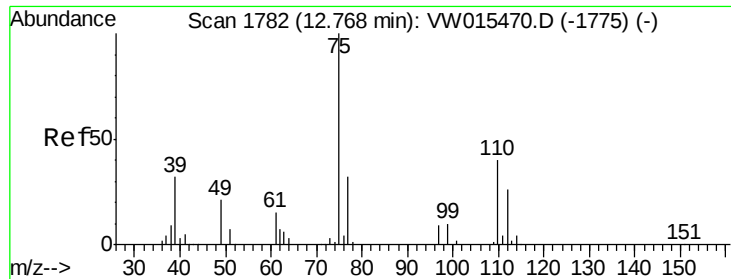


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

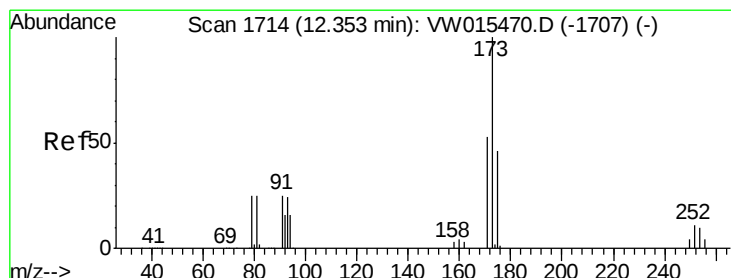
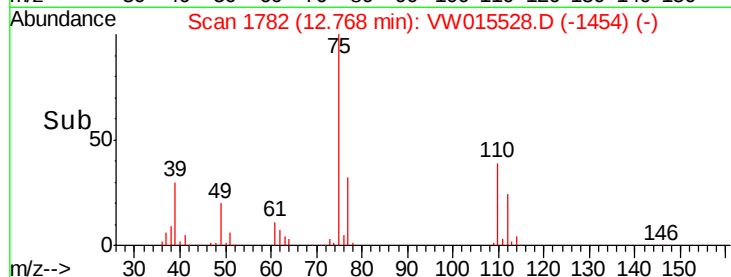
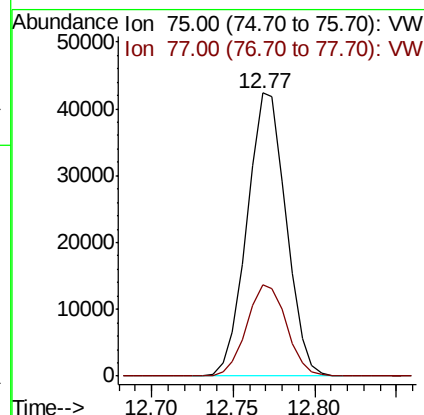
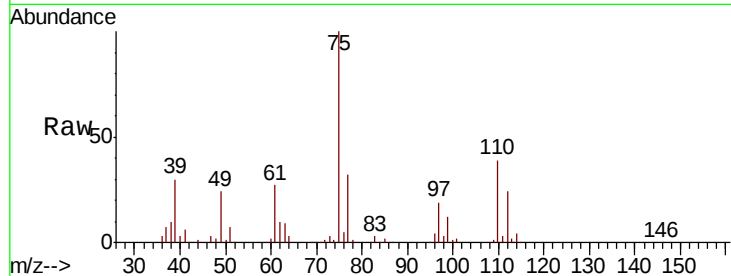




#59
 1,2,3-Trichloropropane
 Concen: 26.586 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

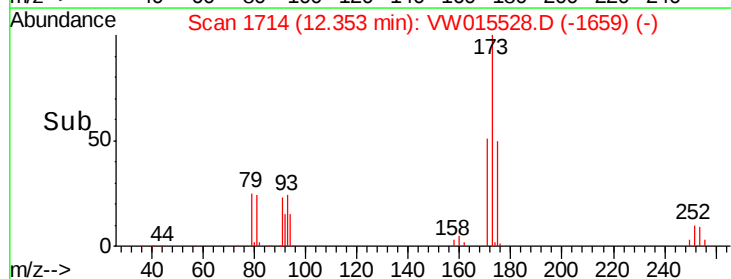
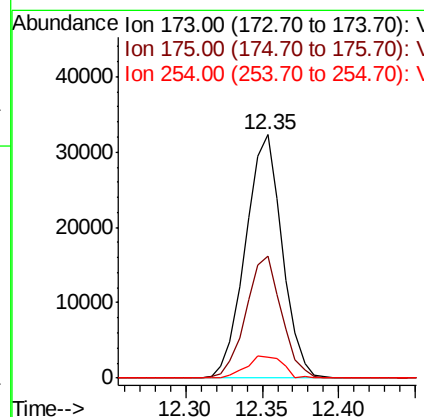
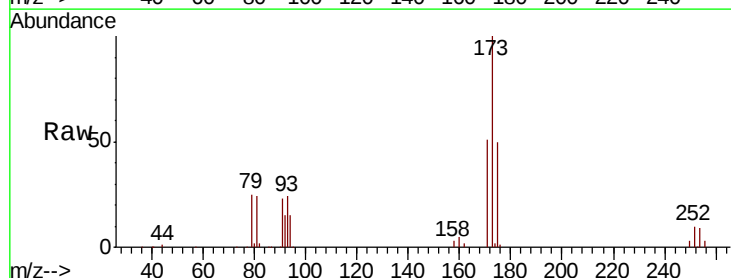
Instrument :
 MSVOA_W
 ClientSampleId :

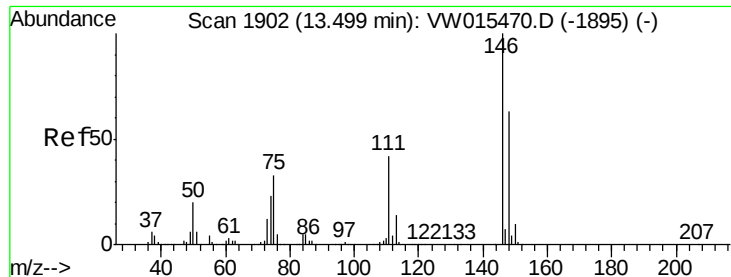
Tot Ion: 75 Resp: 70953
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.9 38.9



#62
 Bromoform
 Concen: 24.955 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion: 173 Resp: 53899
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.9 56.9
 254 8.9 6.8 10.2

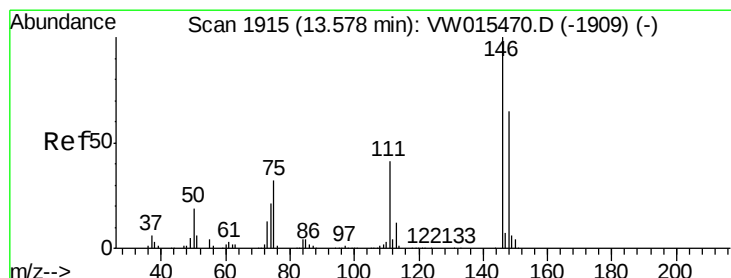
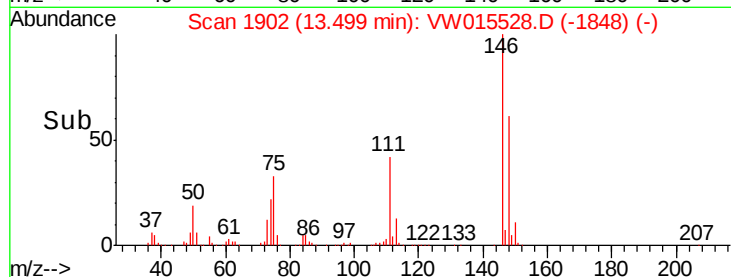
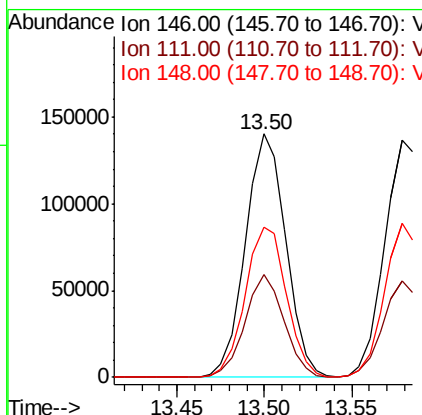
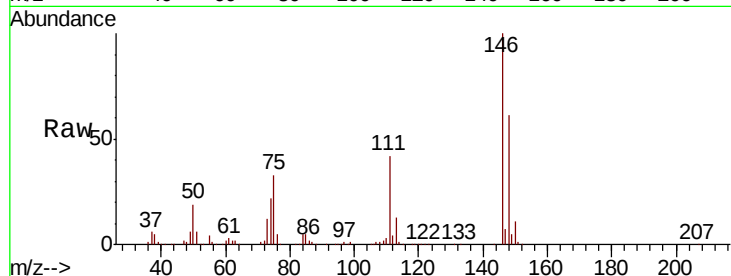




#63
 1,3-Dichlorobenzene
 Concen: 23.730 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

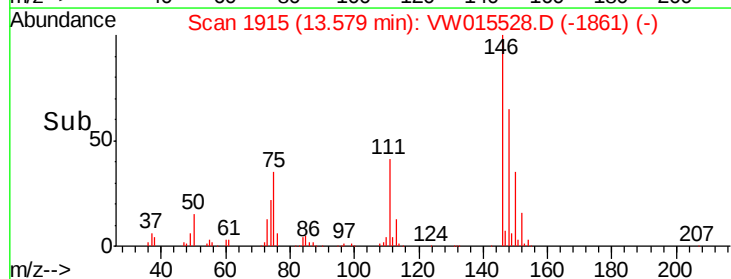
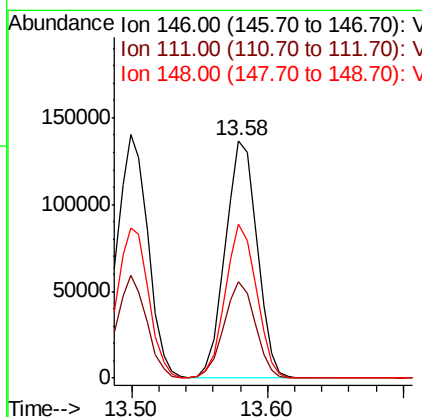
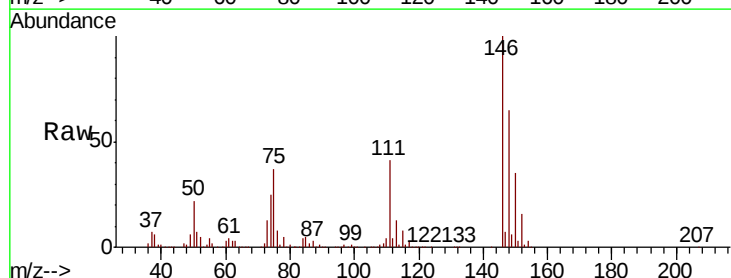
Instrument :
 MSVOA_W
 ClientSampleId :

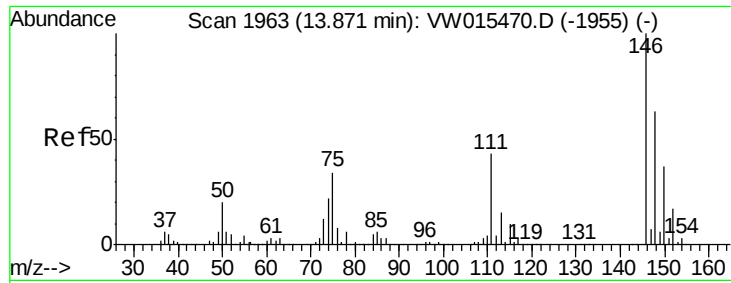
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.3	54.5
148	61.5	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 23.940 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.1	52.1
148	65.0	43.3	80.3

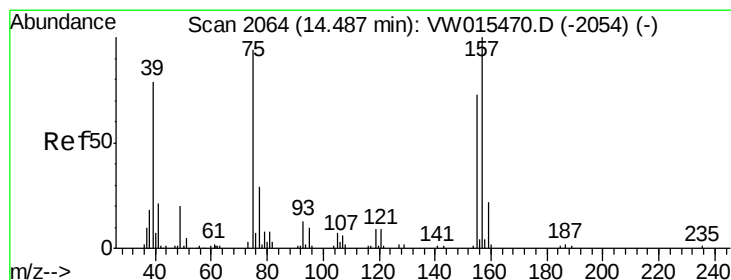
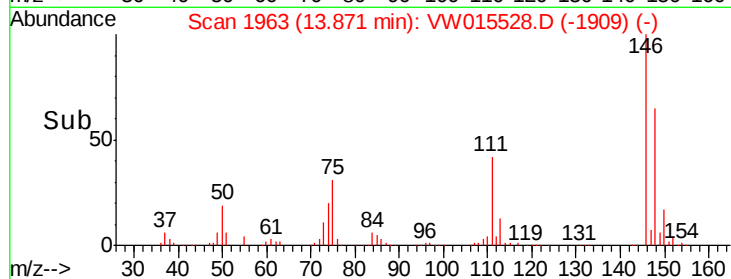
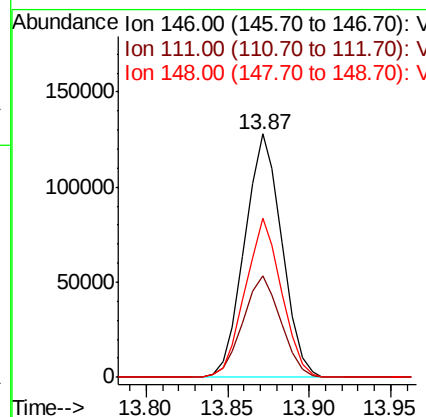
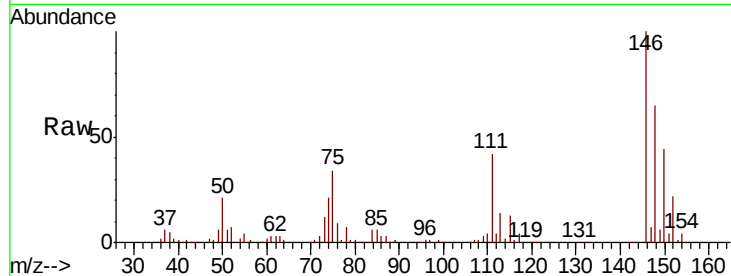




#65
 1,2-Dichlorobenzene
 Concen: 24.680 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

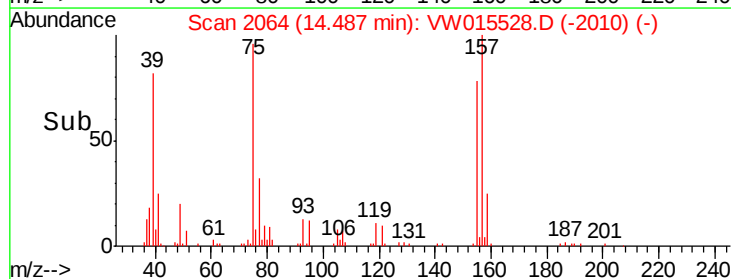
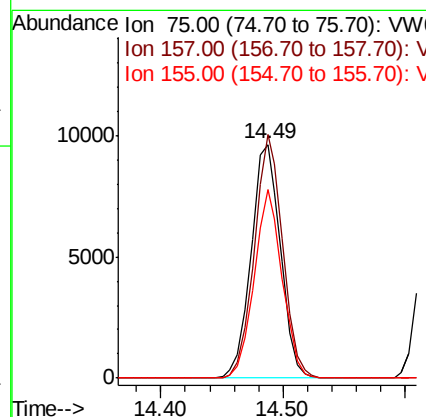
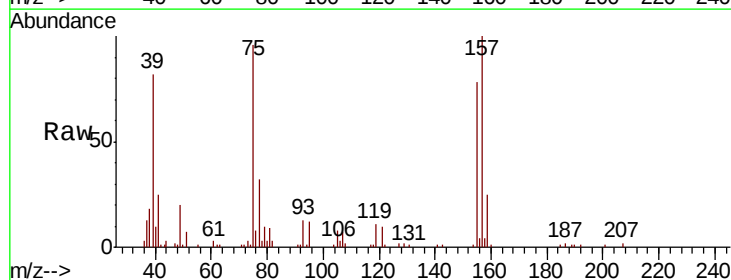
Instrument :
 MSVOA_W
 ClientSampleId :

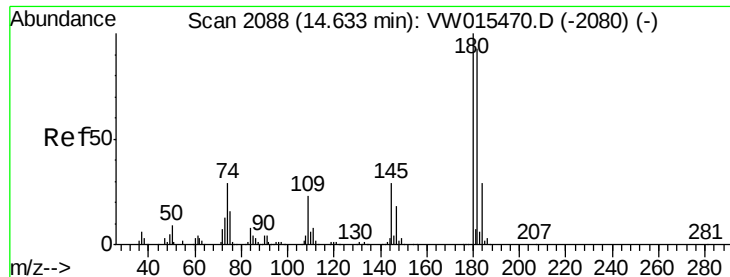
Tot Ion:146 Resp: 203433
 Ion Ratio Lower Upper
 146 100
 111 41.8 34.9 52.3
 148 65.4 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.645 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion: 75 Resp: 16036
 Ion Ratio Lower Upper
 75 100
 157 104.3 87.4 131.0
 155 81.0 64.6 96.8

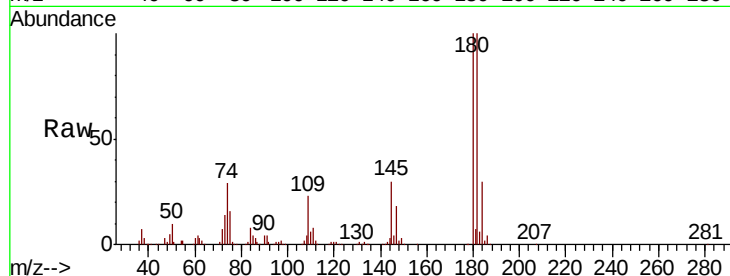




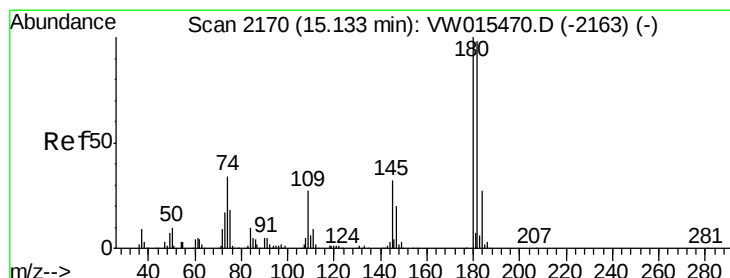
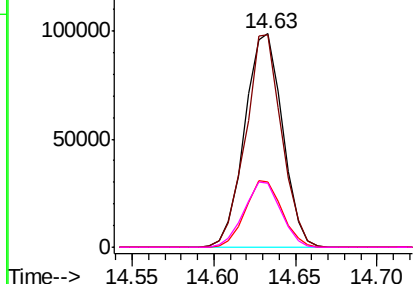
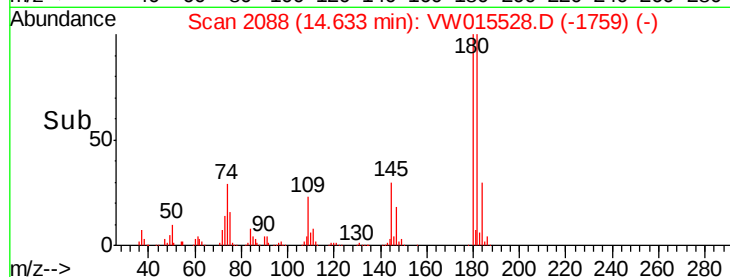
#67
 1,3,5-Trichlorobenzene
 Concen: 24.312 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	159660
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.6 114.8
184	30.2	24.4 36.6
145	29.9	24.0 36.0

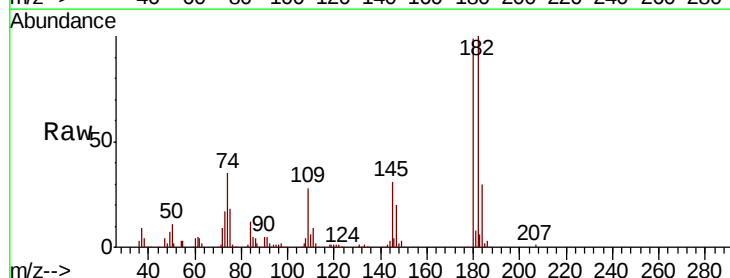


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

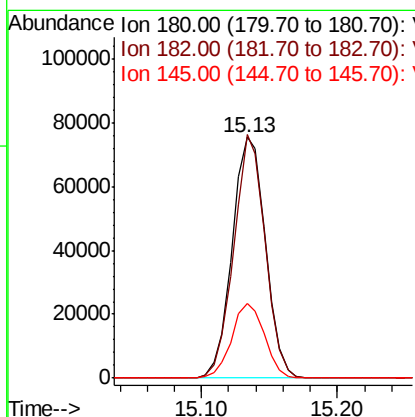
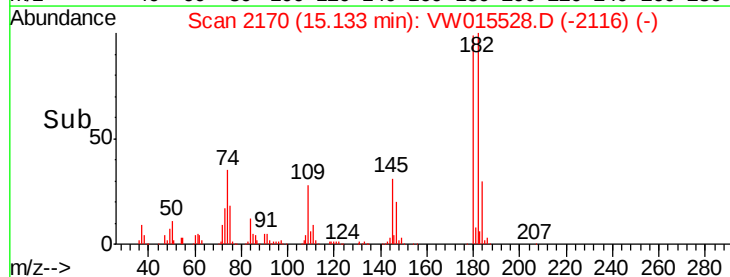


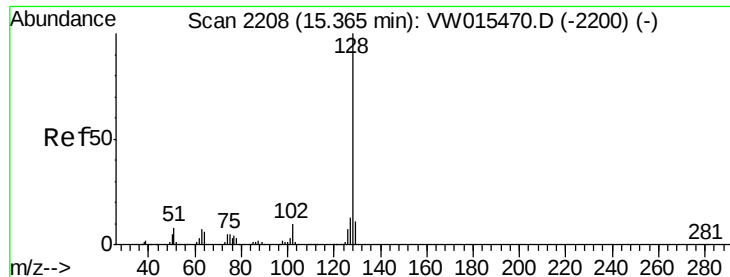
#68
 1,2,4-trichlorobenzene
 Concen: 24.235 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015528.D
 Acq: 03 Jun 2020 09:23

Tgt Ion:180	Resp:	128184
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.1 114.1
145	30.5	25.2 37.8



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





#69

Naphthalene

Concen: 25.933 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

Instrument :

MSVOA_W

ClientSampleId :

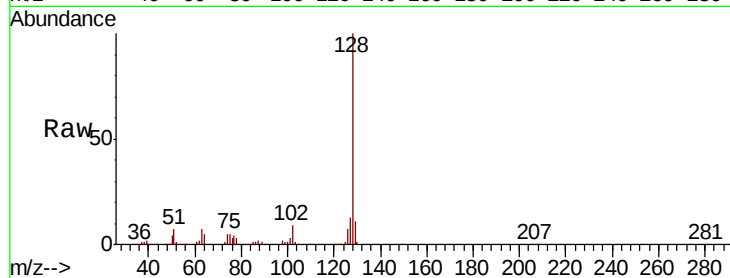
Tot Ion:128 Resp: 249061

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

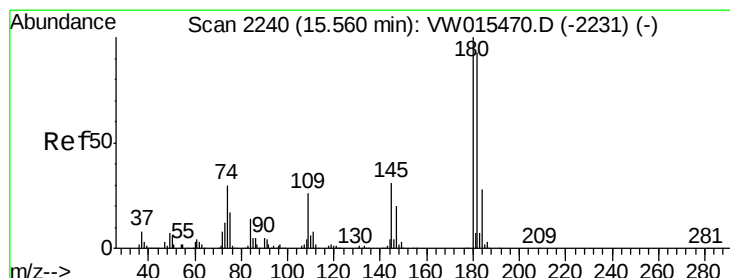
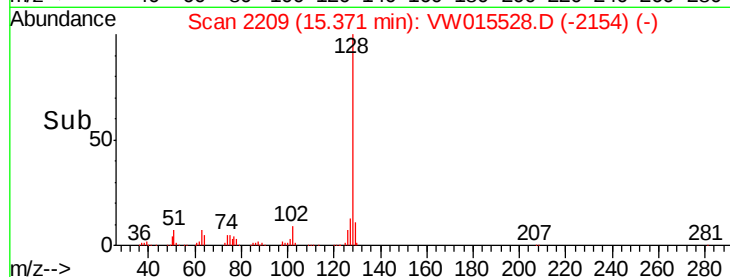
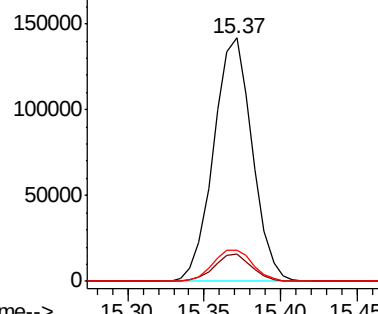
127 13.4 10.6 15.8



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: 24.862 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015528.D

Acq: 03 Jun 2020 09:23

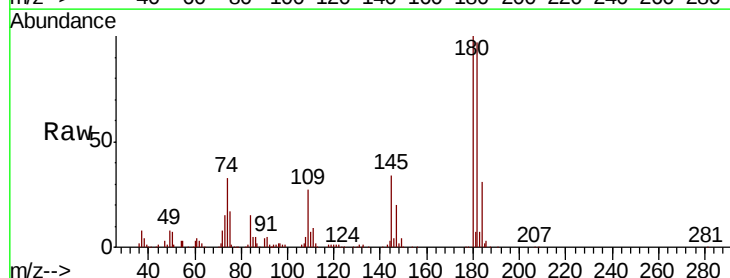
Tgt Ion:180 Resp: 111873

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 32.9 26.7 40.1



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

