

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060320\
 Data File : VW015536.D
 Acq On : 03 Jun 2020 14:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 06:38:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 06:35:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	346220	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318163	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155522	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	92122	29.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.12%
7) Chloroethane-d5	2.90	69	93798	29.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.92%
10) 1,1-Dichloroethene-d2	4.02	63	206345	26.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.76%
20) 2-Butanone-d5	7.08	46	53762	51.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.80%
24) Chloroform-d	7.65	84	217140	27.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.48%
26) 1,2-Dichloroethane-d4	8.31	65	120158	26.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.92%
29) Benzene-d6	8.28	84	419918	26.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.64%
33) 1,2-Dichloropropane-d6	9.27	67	124714	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	10.32	98	411390	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.48%
38) trans-1,3-Dichloropropene-	10.58	79	54615	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.60%
39) 2-Hexanone-d5	10.93	63	45406	55.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97592	27.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	138669	26.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	81133	26.526	ug/L	100
3) Chloromethane	2.22	50	76488	22.717	ug/L	97
5) Vinyl chloride	2.37	62	127419	25.164	ug/L	97
6) Bromomethane	2.79	94	83495	25.370	ug/L	99
8) Chloroethane	2.93	64	79277	25.720	ug/L	97
9) Trichlorofluoromethane	3.26	101	97017	26.923	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	109222	25.556	ug/L	98
12) 1,1-Dichloroethene	4.04	96	104714	25.365	ug/L	89
13) Acetone	4.12	43	42834	53.489	ug/L	99
14) Carbon disulfide	4.39	76	325582	23.640	ug/L	100
15) Methyl Acetate	4.68	43	42655	24.620	ug/L	99
16) Methylene chloride	4.92	84	109522	25.775	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	164283	25.076	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	111966	25.307	ug/L	99
19) 1,1-Dichloroethane	6.22	63	202896	25.497	ug/L	99
21) 2-Butanone	7.18	43	60265	48.989	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	119186	25.824	ug/L	96

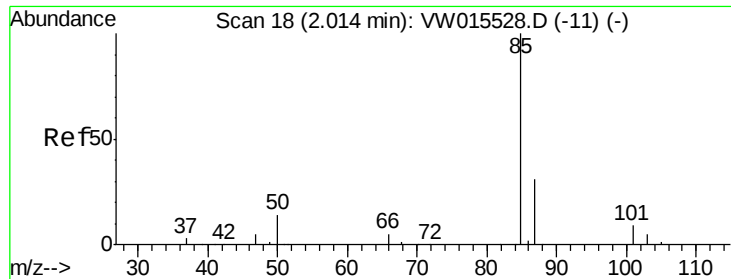
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 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 06:35:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50499	25.374	ug/L	97
25) Chloroform	7.68	83	209345	26.127	ug/L	100
27) 1,2-Dichloroethane	8.40	62	140771	25.969	ug/L	99
30) Cyclohexane	7.96	56	196052	24.928	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	183750	25.816	ug/L	100
32) Carbon tetrachloride	8.07	117	170332	26.091	ug/L	99
34) Benzene	8.33	78	458549	25.772	ug/L	100
35) Trichloroethene	9.09	95	123904	25.925	ug/L	99
36) Methylcyclohexane	9.34	83	216190	25.363	ug/L	100
40) 1,2-Dichloropropane	9.37	63	112302	25.630	ug/L	100
41) Bromodichloromethane	9.65	83	148206	25.319	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	177657	25.337	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	129136	50.278	ug/L	99
44) Toluene	10.39	91	504043	26.002	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	156348	25.623	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	79337	25.881	ug/L	97
47) Tetrachloroethene	10.87	164	100407	26.503	ug/L	96
49) 2-Hexanone	10.97	43	90679	52.305	ug/L	99
50) Dibromochloromethane	11.13	129	96087	25.800	ug/L	98
51) 1,2-Dibromoethane	11.24	107	75769	25.747	ug/L	95
52) Chlorobenzene	11.66	112	316297	26.013	ug/L	98
53) Ethylbenzene	11.73	91	583135	26.198	ug/L	98
54) m,p-Xylene	11.84	106	218621	26.175	ug/L	97
55) o-xylene	12.16	106	208474	26.295	ug/L	99
56) Styrene	12.18	104	357117	26.361	ug/L	99
57) Isopropylbenzene	12.46	105	582007	26.353	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	93588	26.371	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	69354	25.773	ug/L	99
62) Bromoform	12.35	173	54203	25.014	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	247745	26.033	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	244674	26.239	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	218605	26.433	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15433	24.600	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	176532	26.793	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	141126	26.594	ug/L	99
69) Naphthalene	15.37	128	257217	26.695	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	120965	26.794	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.526 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

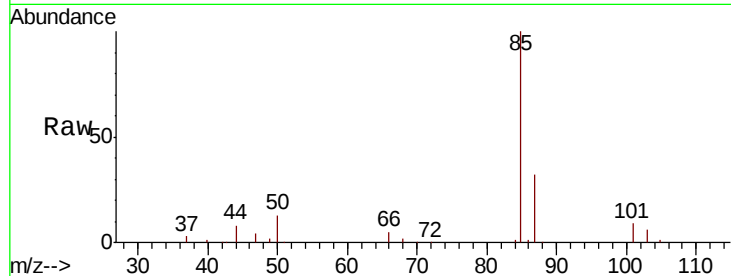
ClientSampleId :

Tot Ion: 85 Resp: 81133

Ion Ratio Lower Upper

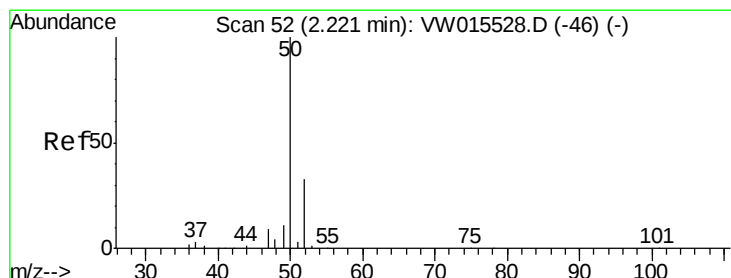
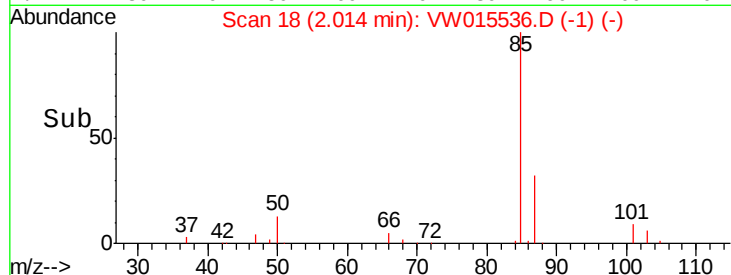
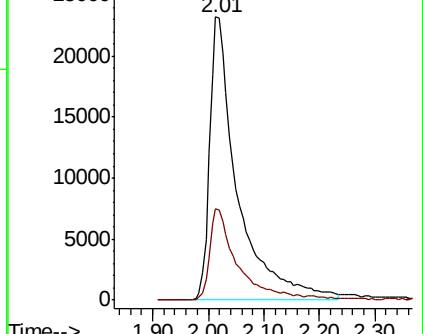
85 100

87 30.1 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: 22.717 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015536.D

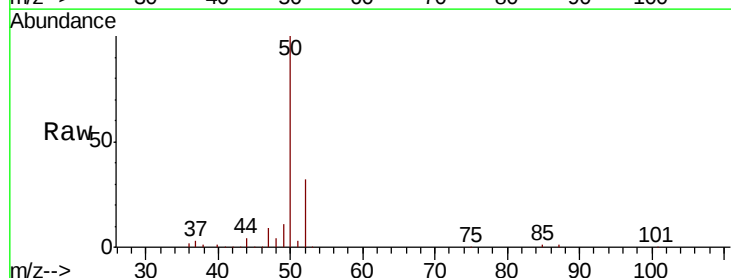
Acq: 03 Jun 2020 14:13

Tgt Ion: 50 Resp: 76488

Ion Ratio Lower Upper

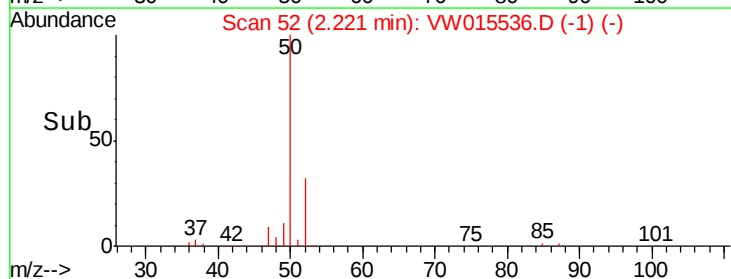
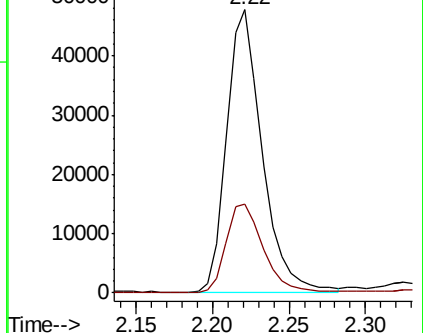
50 100

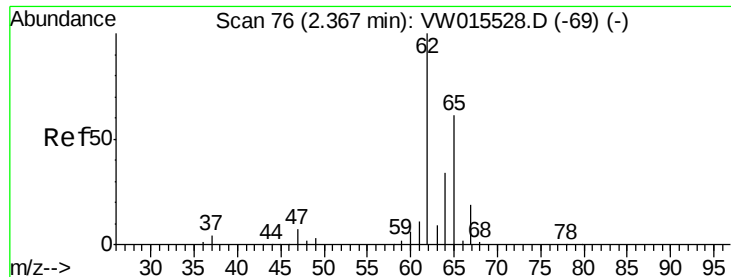
52 31.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.164 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

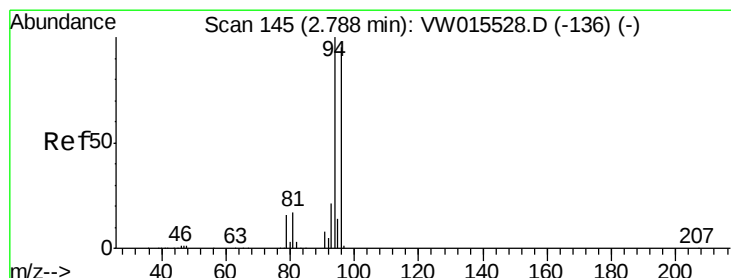
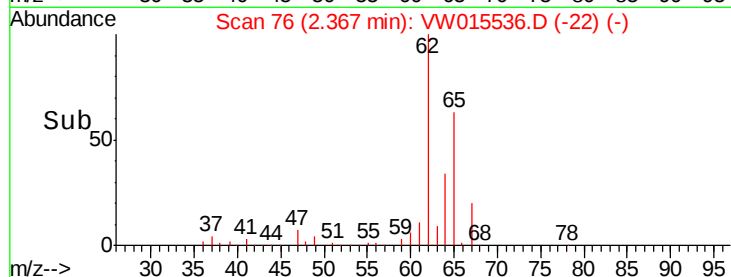
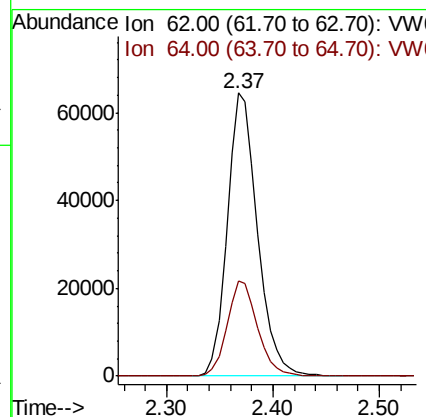
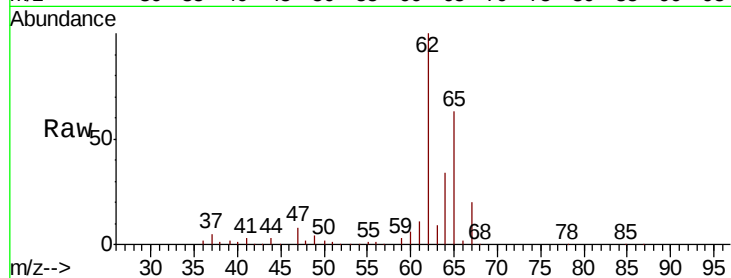
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 127419

Ion Ratio Lower Upper

62 100

64 33.8 22.6 42.0



#6

Bromomethane

Concen: 25.370 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015536.D

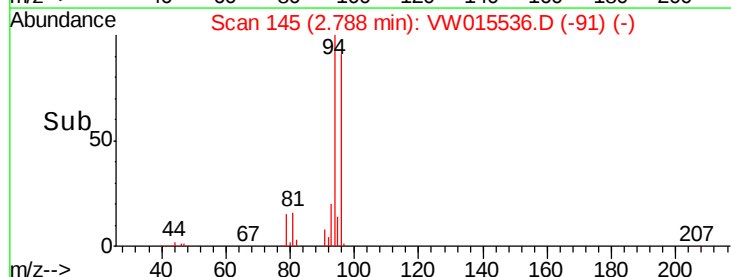
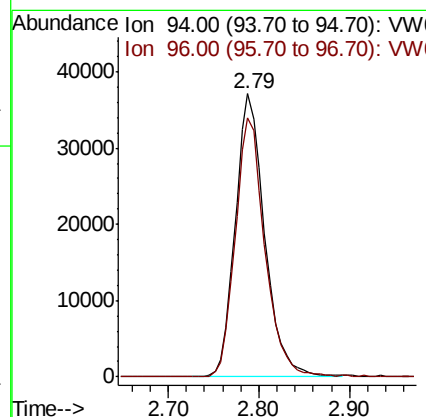
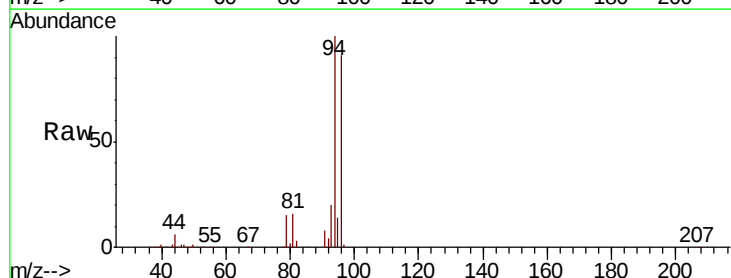
Acq: 03 Jun 2020 14:13

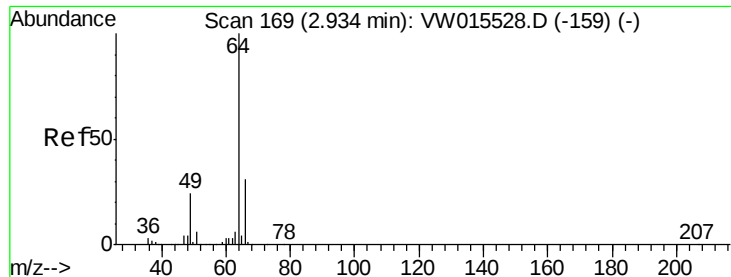
Tgt Ion: 94 Resp: 83495

Ion Ratio Lower Upper

94 100

96 92.3 9.3 177.5





#8

Chloroethane

Concen: 25.720 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

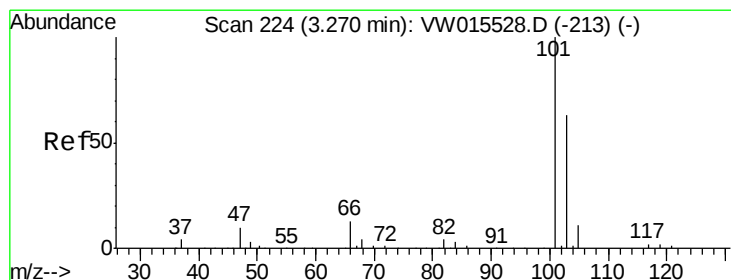
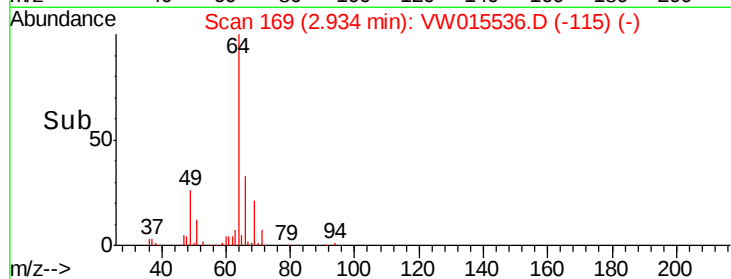
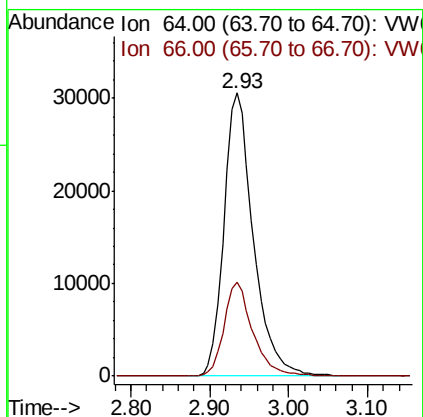
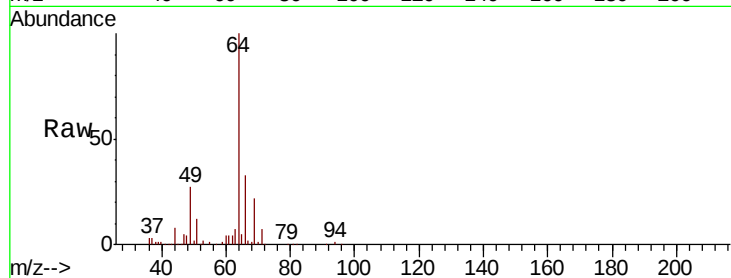
ClientSampleId :

Tot Ion: 64 Resp: 79277

Ion Ratio Lower Upper

64 100

66 33.3 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.923 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015536.D

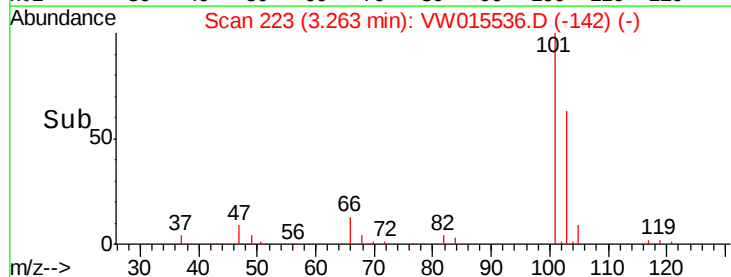
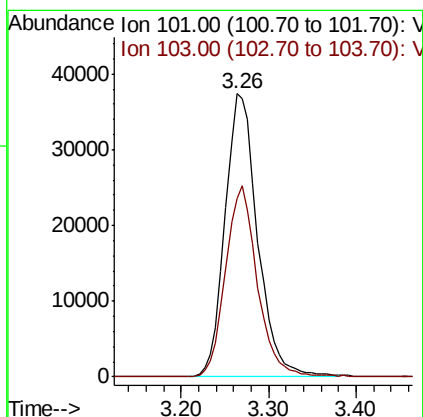
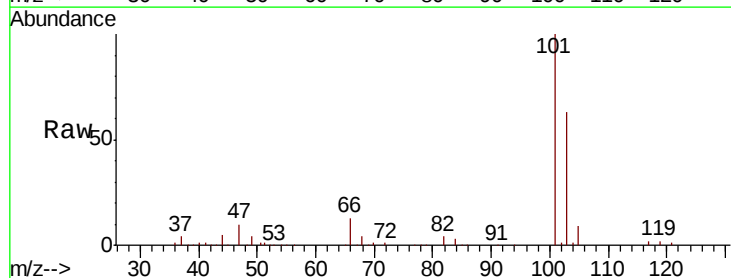
Acq: 03 Jun 2020 14:13

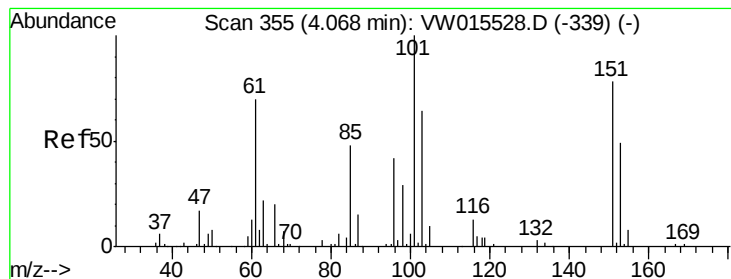
Tgt Ion: 101 Resp: 97017

Ion Ratio Lower Upper

101 100

103 65.7 46.6 86.6





#11

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

Concen: 25.556 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

ClientSampleId :

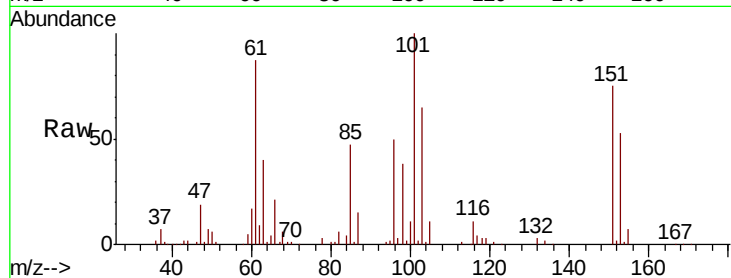
Tot Ion:101 Resp: 109222

Ion Ratio Lower Upper

101 100

85 45.5 35.1 52.7

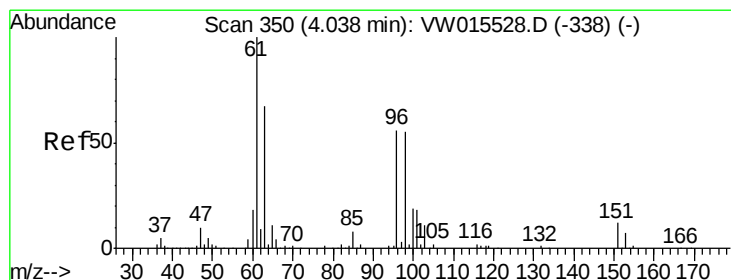
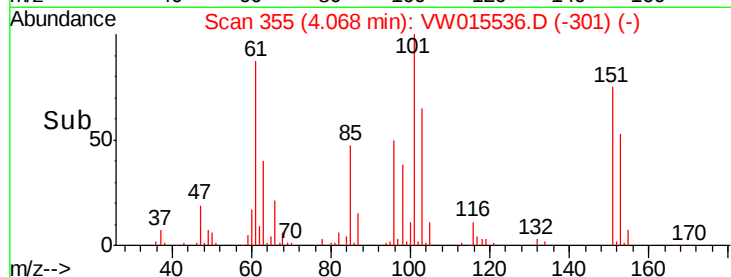
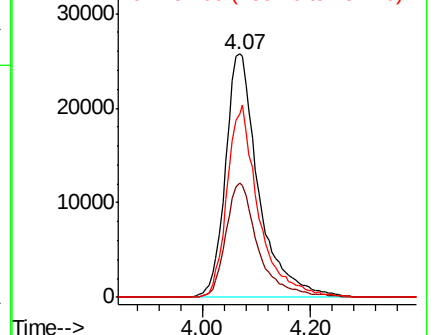
151 74.5 58.6 87.8



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: 25.365 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

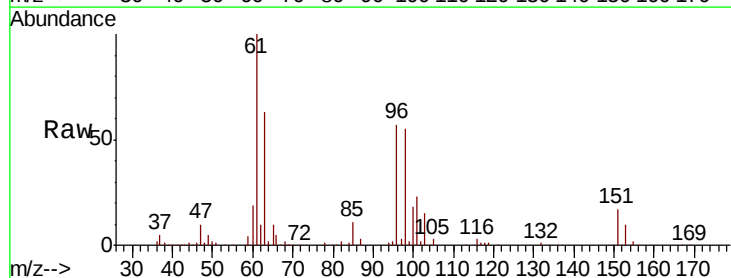
Tgt Ion: 96 Resp: 104714

Ion Ratio Lower Upper

96 100

61 175.8 127.7 237.1

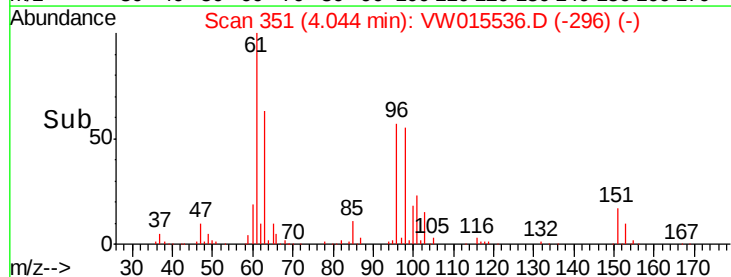
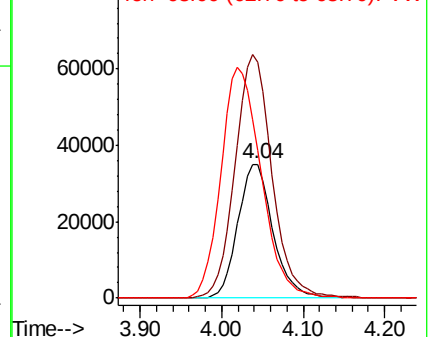
63 109.9 92.3 171.5

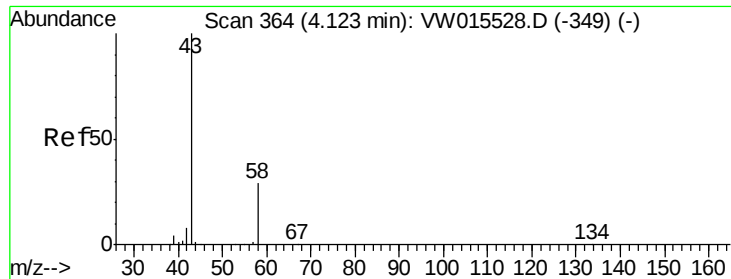


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.489 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

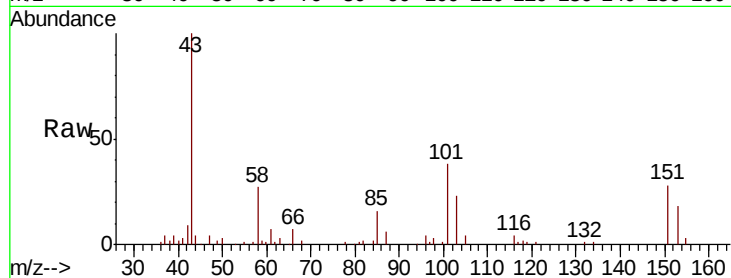
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 42834

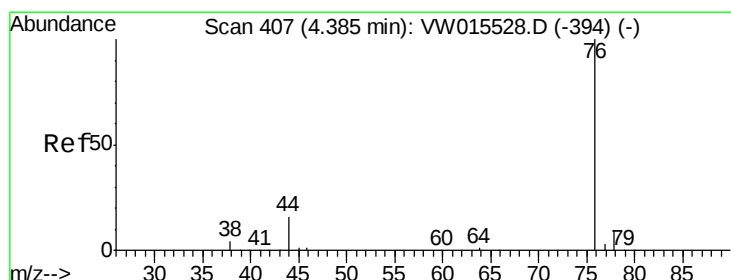
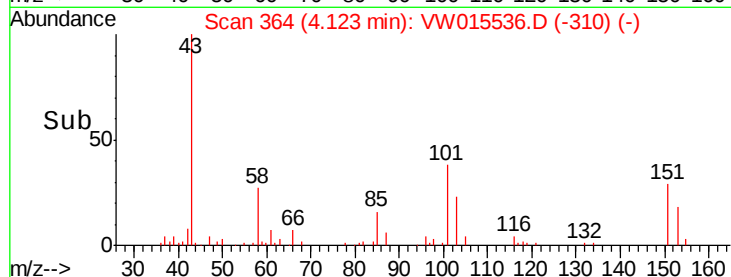
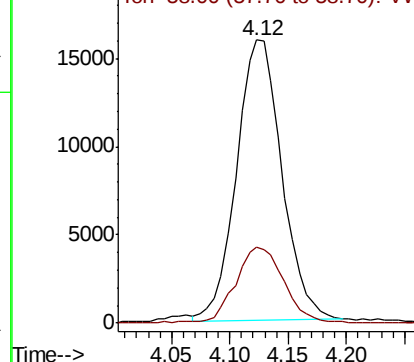
Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.640 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015536.D

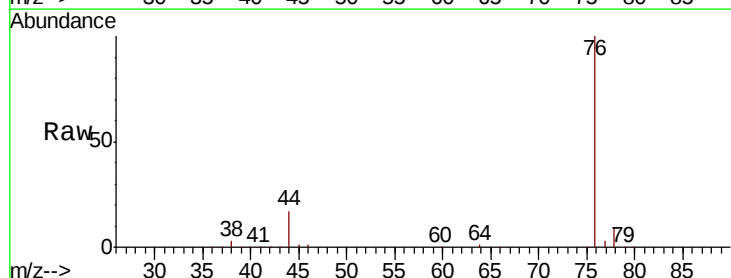
Acq: 03 Jun 2020 14:13

Tgt Ion: 76 Resp: 325582

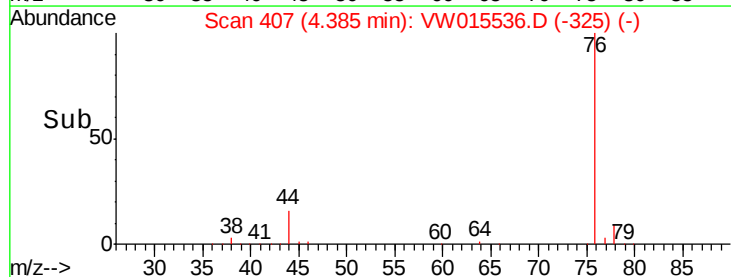
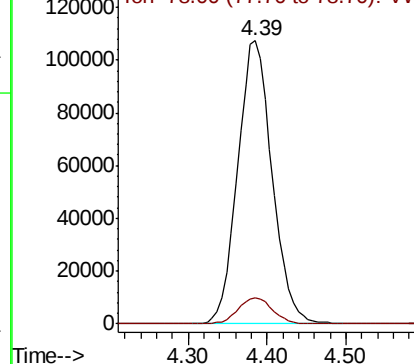
Ion Ratio Lower Upper

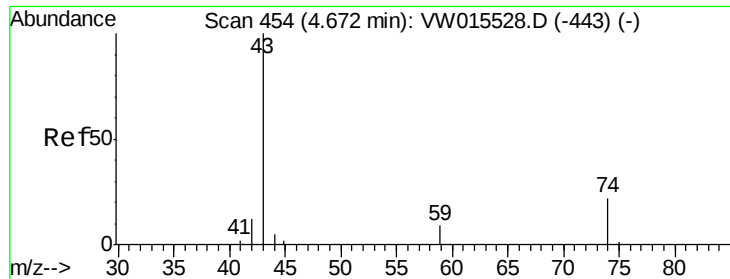
76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 24.620 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

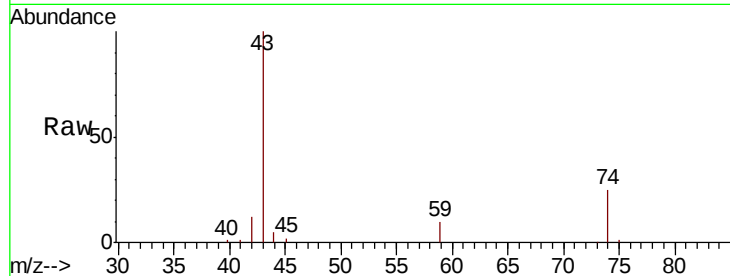
ClientSampleId :

Tot Ion: 43 Resp: 42655

Ion Ratio Lower Upper

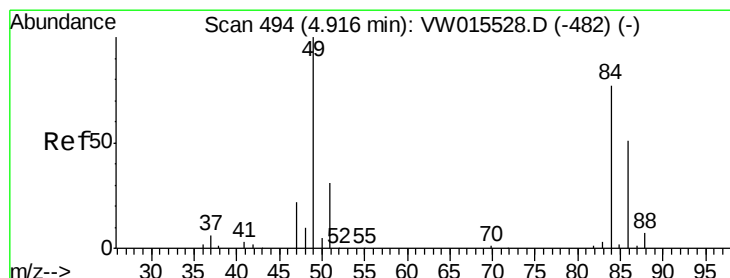
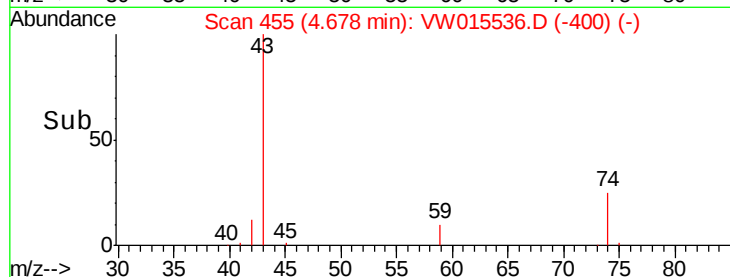
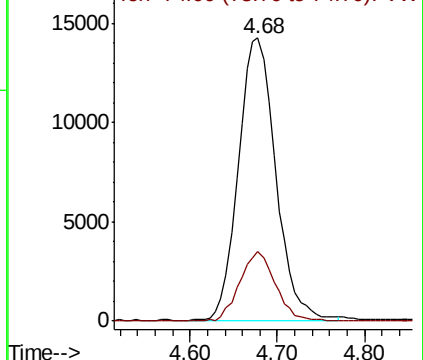
43 100

74 23.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 25.775 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

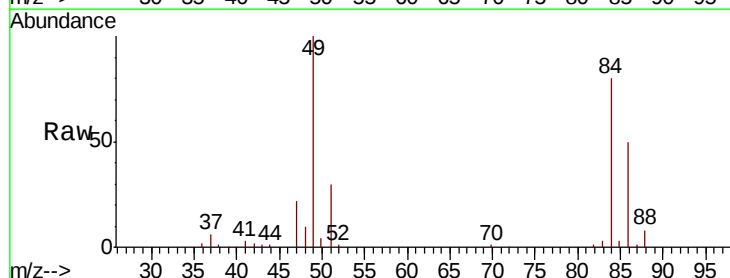
Tgt Ion: 84 Resp: 109522

Ion Ratio Lower Upper

84 100

49 125.0 93.0 172.8

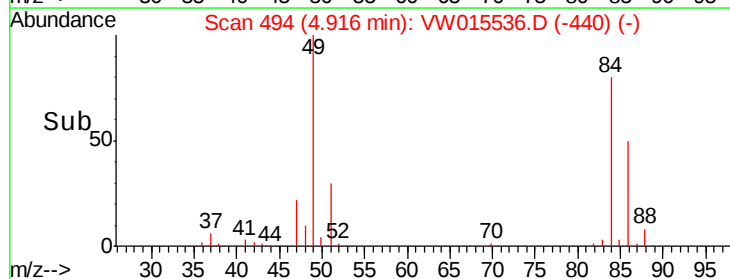
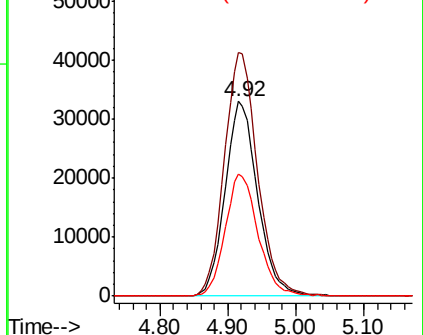
86 62.7 44.7 83.1

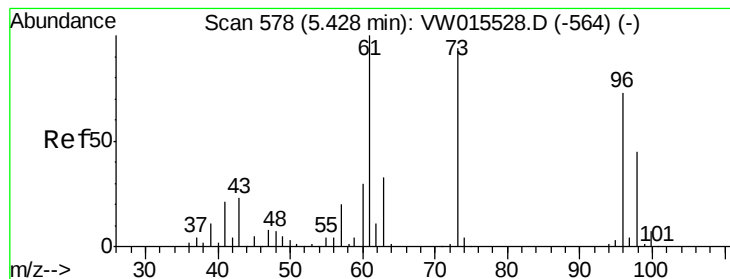


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





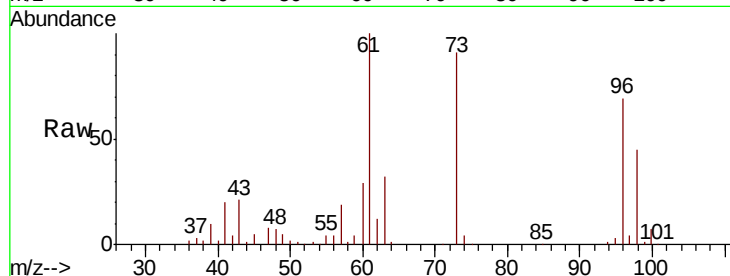
#17

Methvl tert-butvl Ether
 Concen: 25.076 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

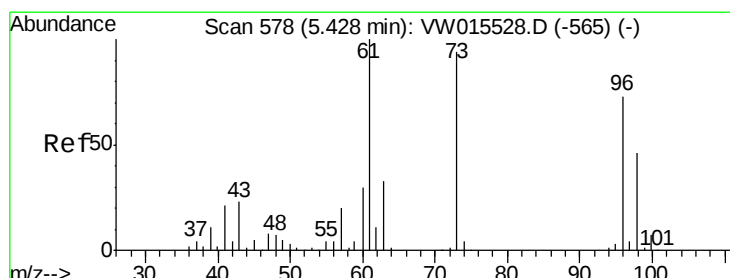
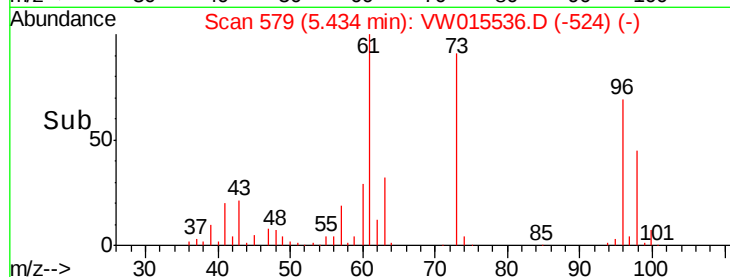
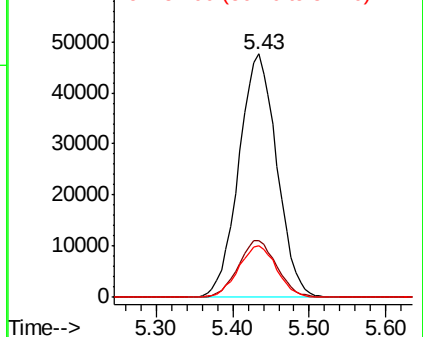
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 164283

Ion	Ratio	Lower	Upper
73	100		
43	23.8	19.6	29.4
57	21.5	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

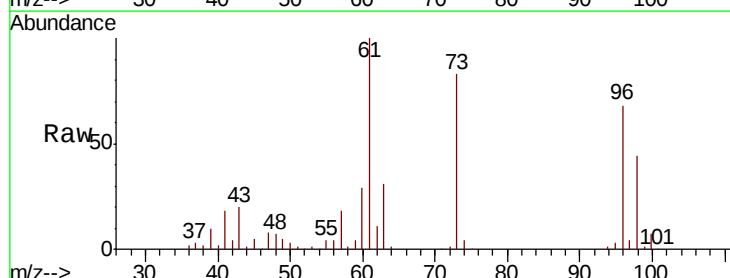


#18

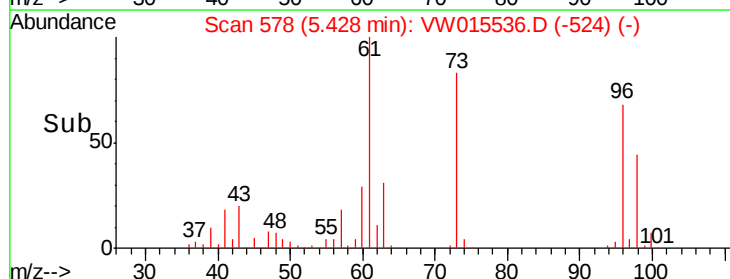
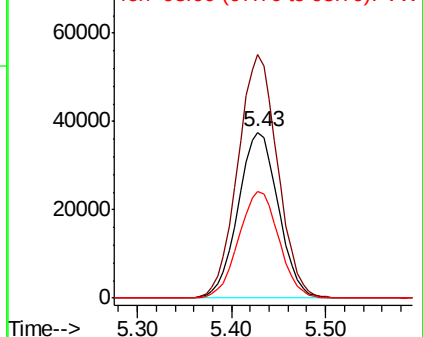
trans-1,2-Dichloroethene
 Concen: 25.307 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

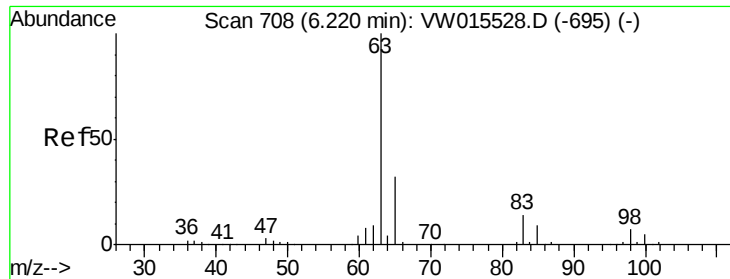
Tgt Ion: 96 Resp: 111966

Ion	Ratio	Lower	Upper
96	100		
61	146.6	101.9	189.3
98	64.2	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

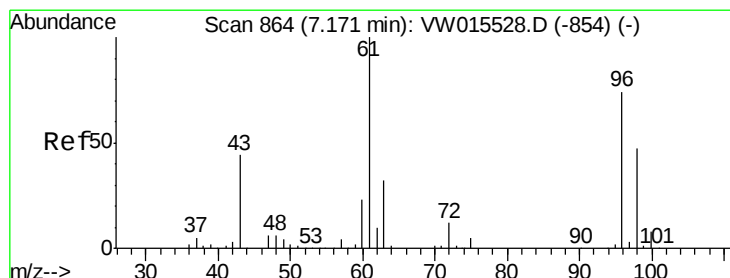
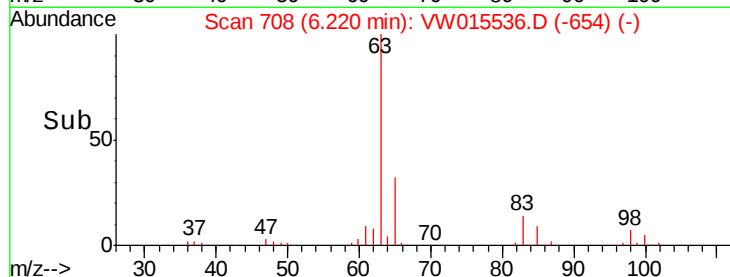
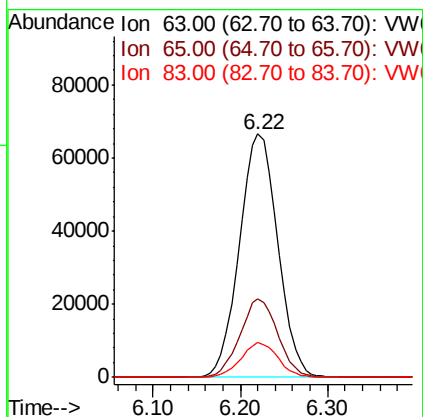
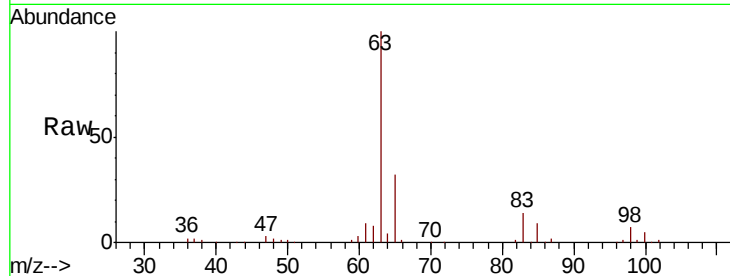




#19
 1,1-Dichloroethane
 Concen: 25.497 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

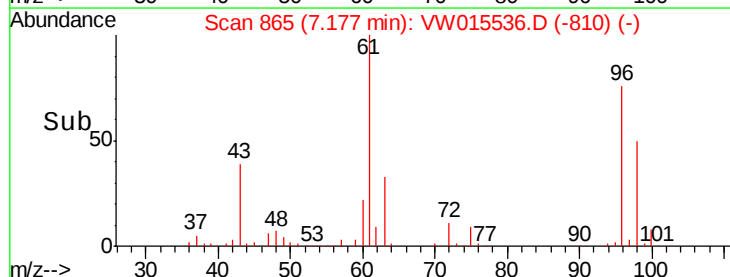
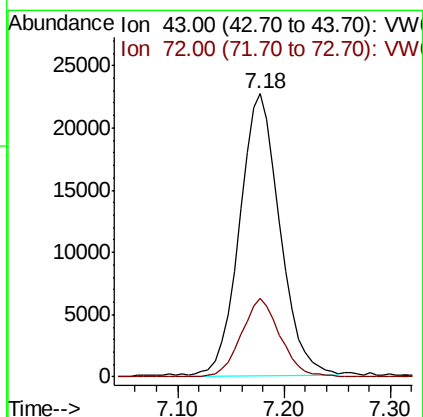
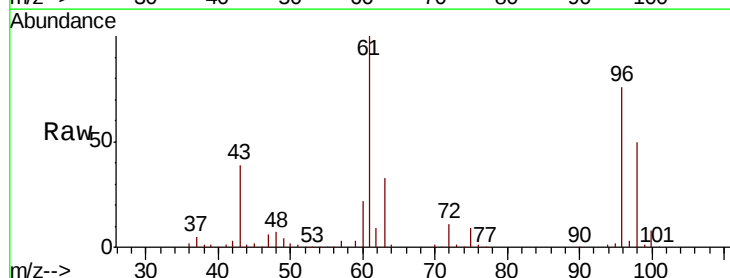
Instrument :
 MSVOA_W
 ClientSampleId :

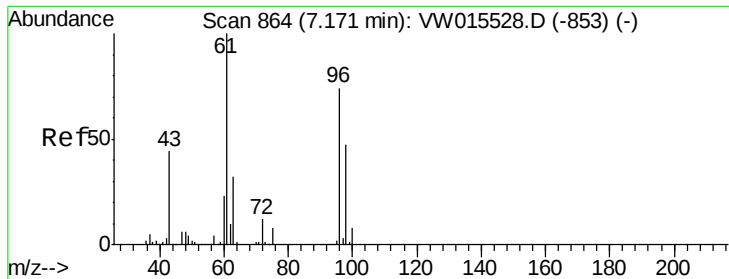
Tot Ion: 63 Resp: 202896
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 14.4 9.7 17.9



#21
 2-Butanone
 Concen: 48.989 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion: 43 Resp: 60265
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.3 39.9



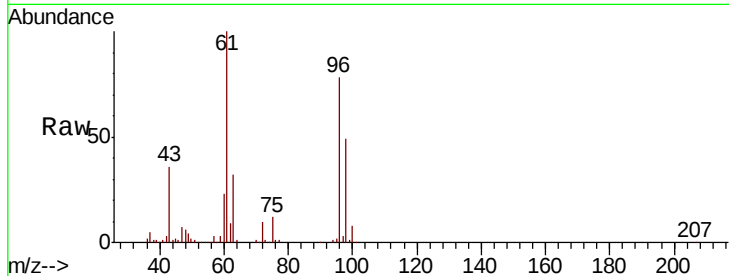


#22

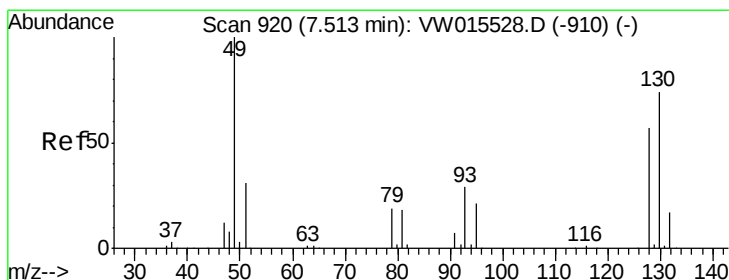
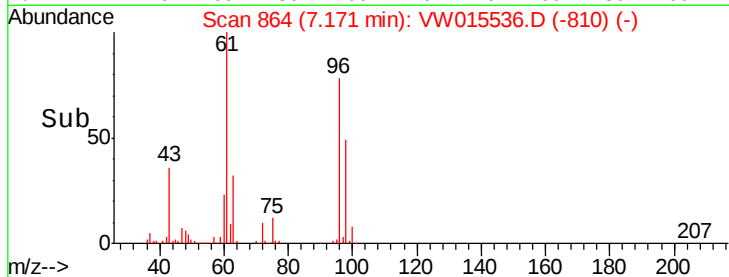
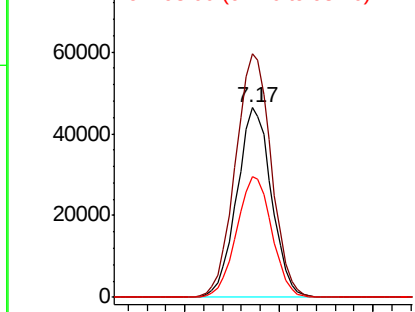
cis-1,2-Dichloroethene
Concen: 25.824 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 119186
Ion Ratio Lower Upper
96 100
61 128.4 93.7 173.9
98 63.4 45.1 83.9



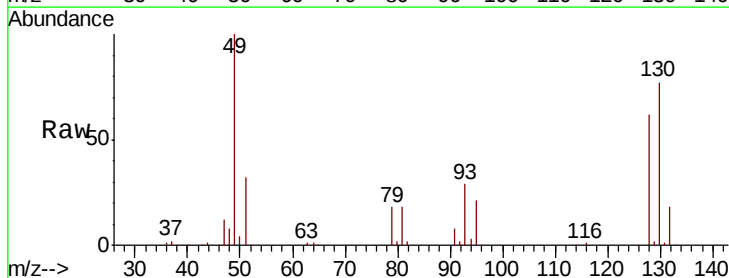
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



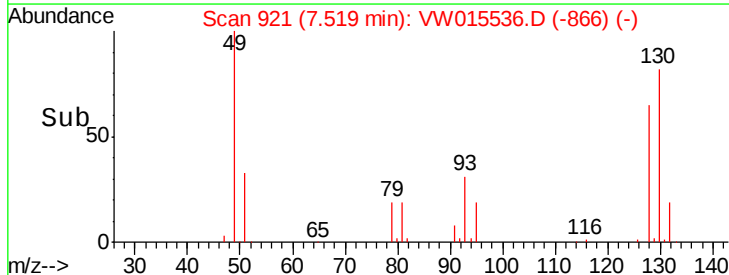
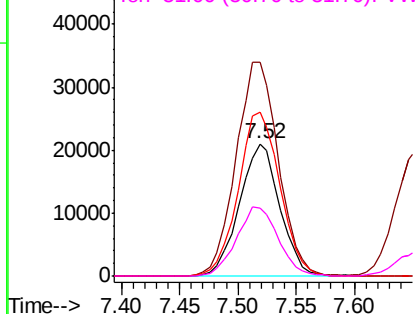
#23

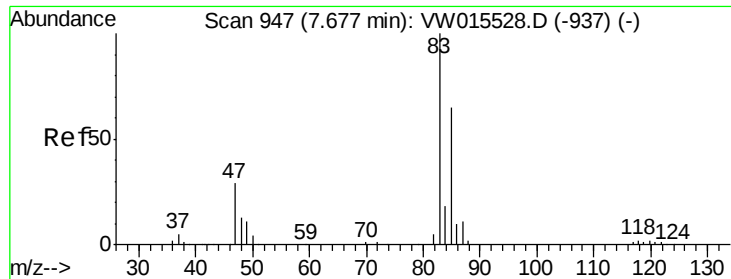
Bromochloromethane
Concen: 25.374 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Tgt Ion: 128 Resp: 50499
Ion Ratio Lower Upper
128 100
49 162.0 118.1 219.3
130 124.6 88.5 164.3
51 51.0 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

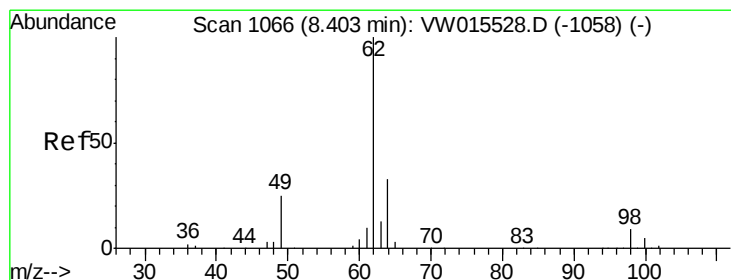
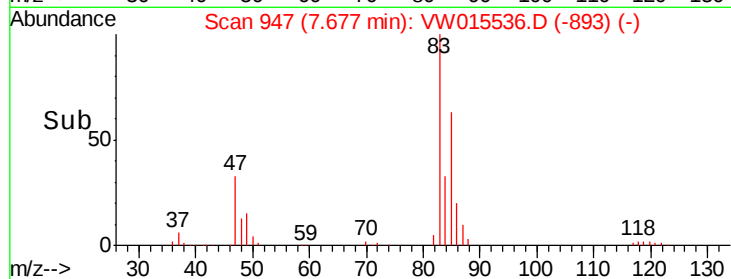
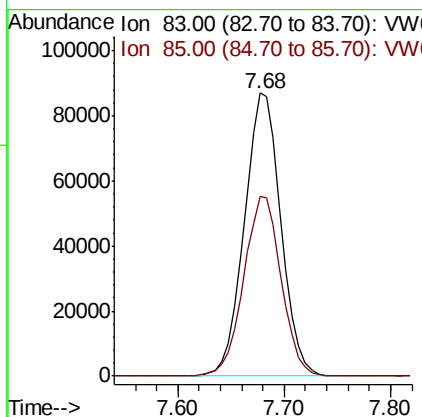
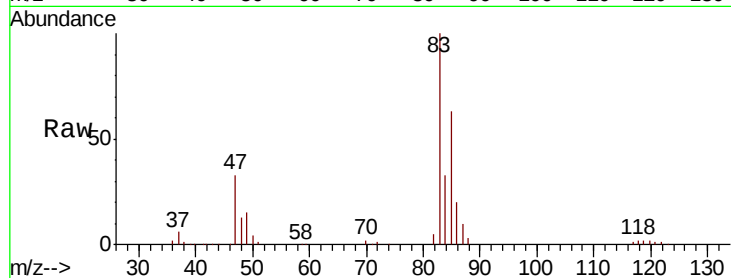




#25
Chloroform
Concen: 26.127 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

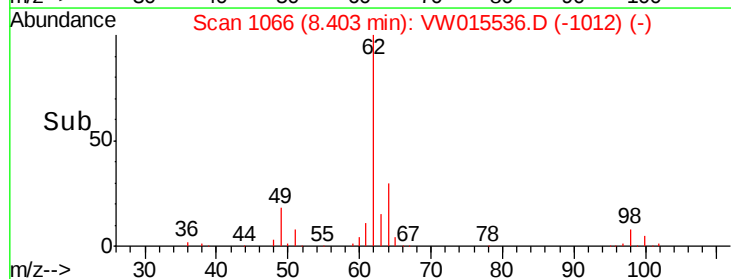
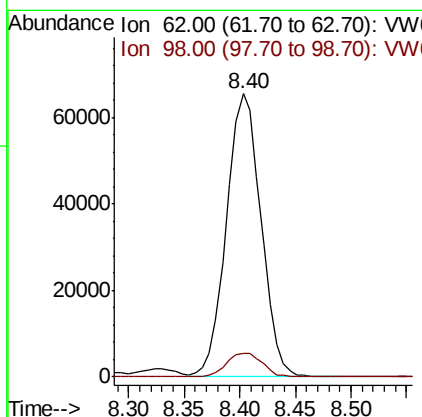
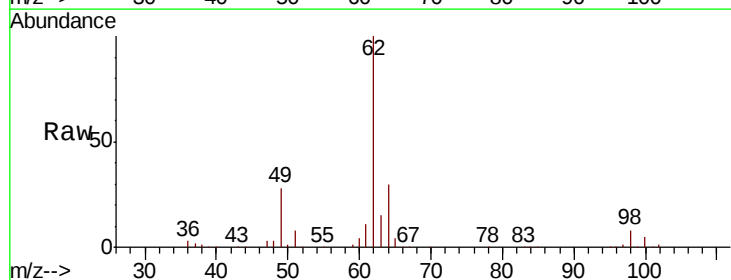
Instrument :
MSVOA_W
ClientSampled :

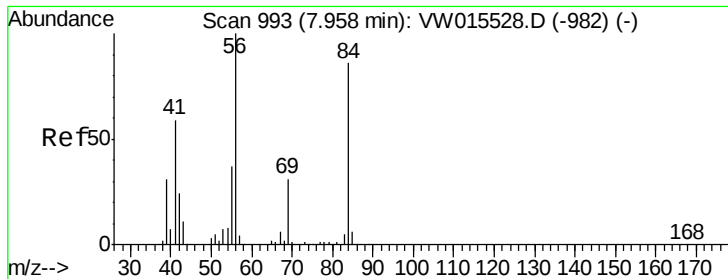
Tot Ion: 83 Resp: 209345
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.969 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Tgt Ion: 62 Resp: 140771
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4

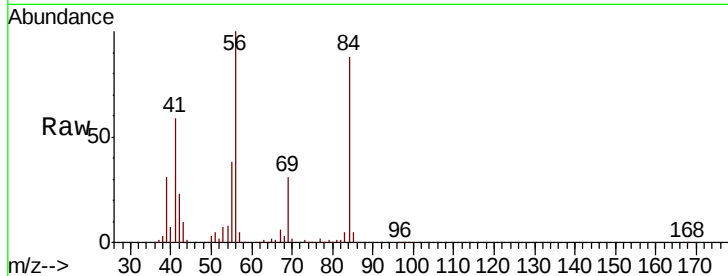




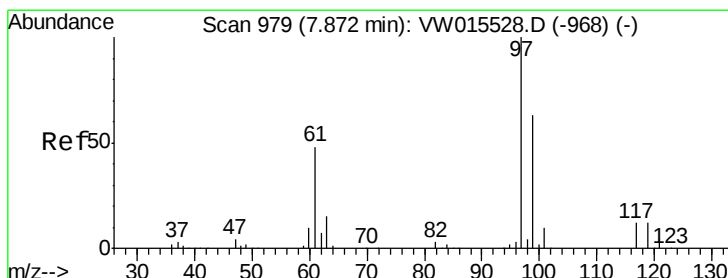
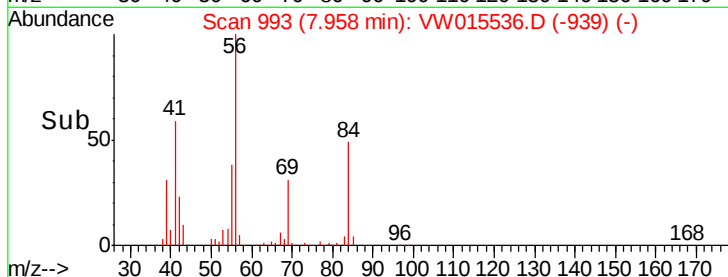
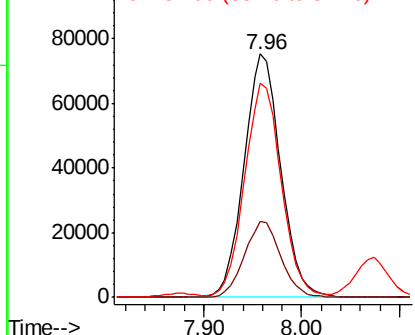
#30
Cyclohexane
Concen: 24.928 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 196052
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 88.0 69.6 104.4

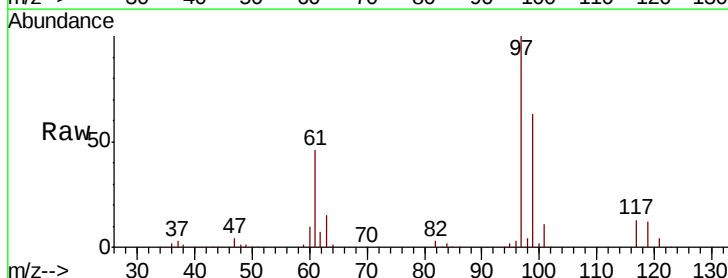


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

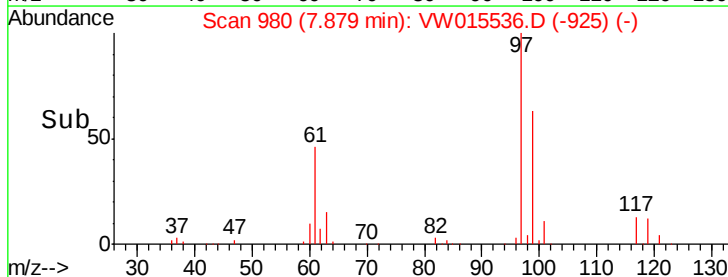
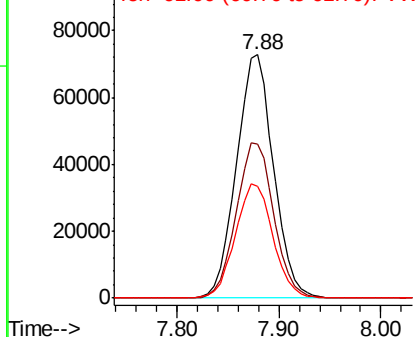


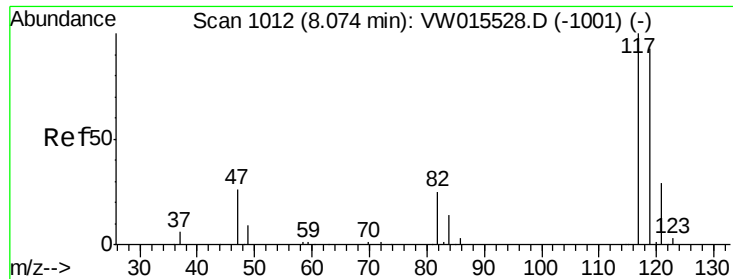
#31
1,1,1-Trichloroethane
Concen: 25.816 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Tgt Ion: 97 Resp: 183750
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 47.5 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: 26.091 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

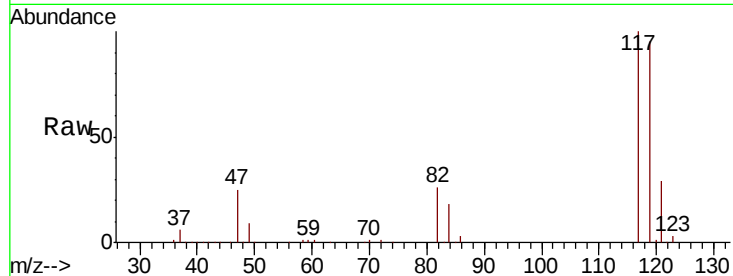
ClientSampleId :

Tot Ion:117 Resp: 170332

Ion Ratio Lower Upper

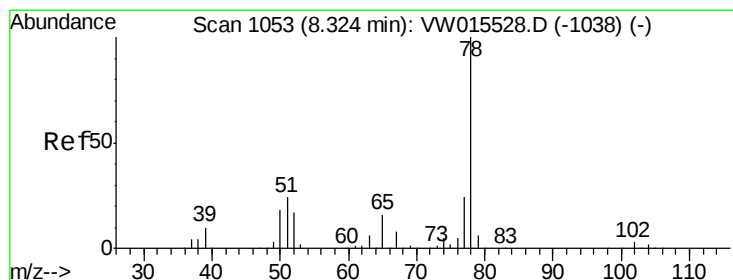
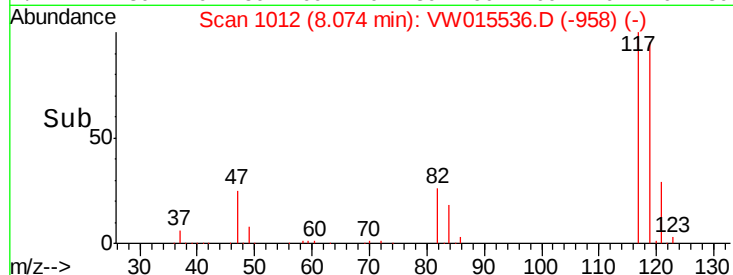
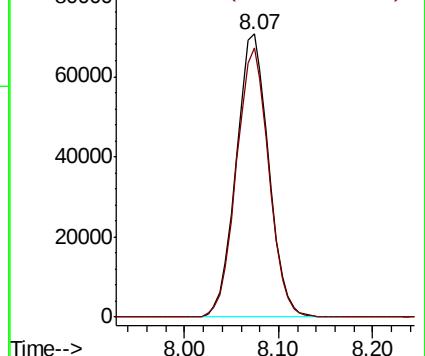
117 100

119 94.8 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: 25.772 ug/L

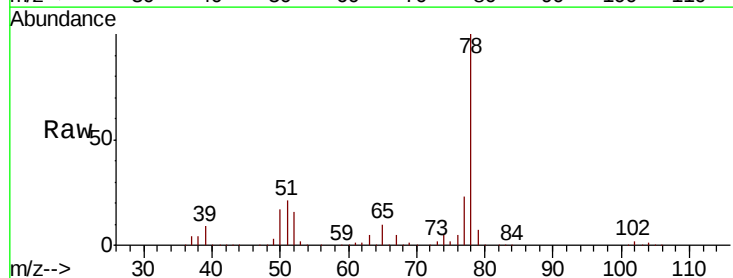
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

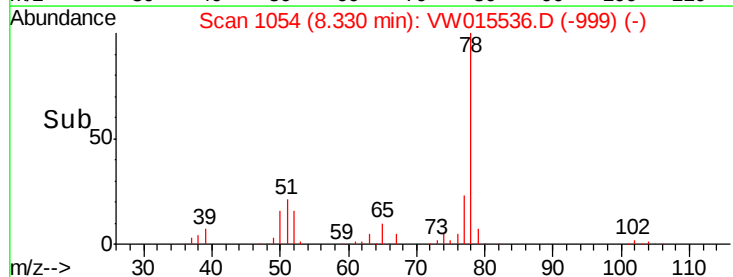
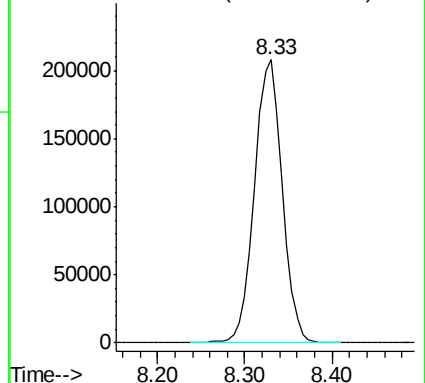
Lab File: VW015536.D

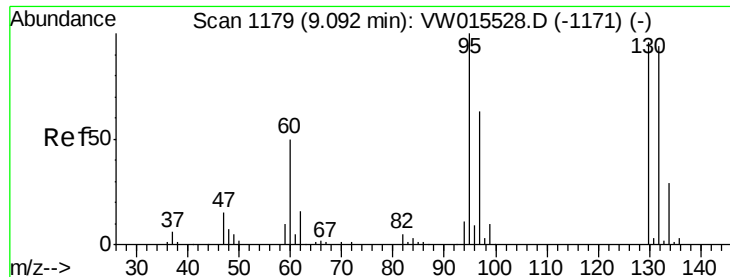
Acq: 03 Jun 2020 14:13

Tgt Ion: 78 Resp: 458549



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.925 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 123904

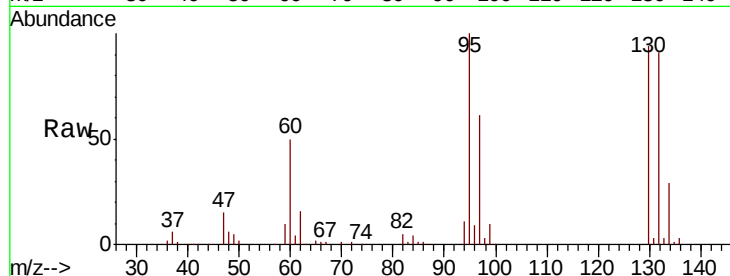
Ion Ratio Lower Upper

95 100

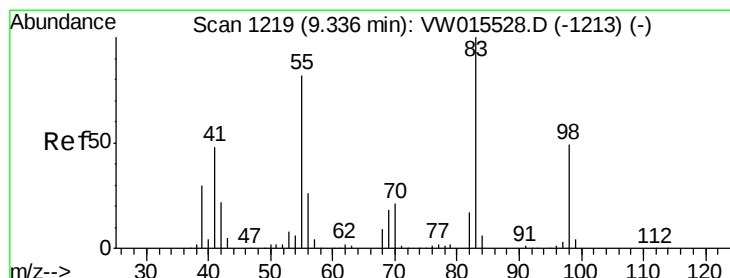
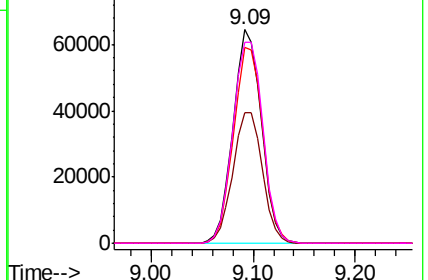
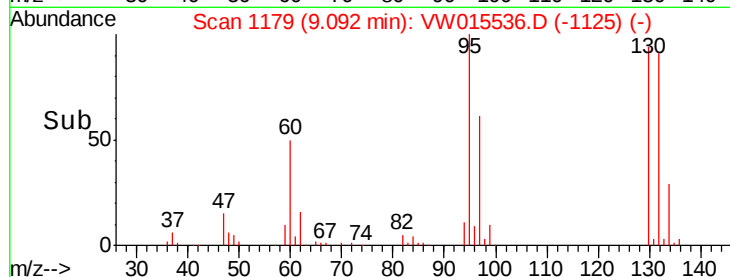
97 63.8 45.4 84.2

132 94.8 67.1 124.7

130 100.2 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: 25.363 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

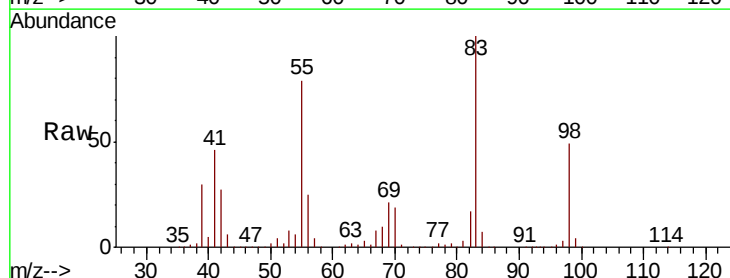
Tgt Ion: 83 Resp: 216190

Ion Ratio Lower Upper

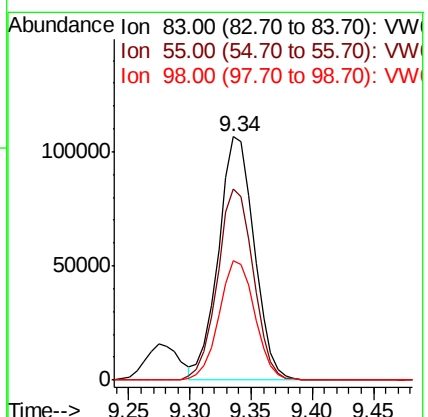
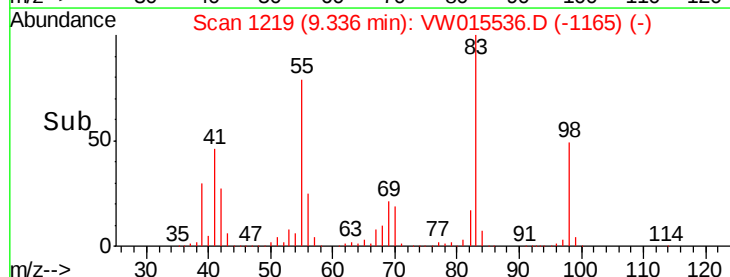
83 100

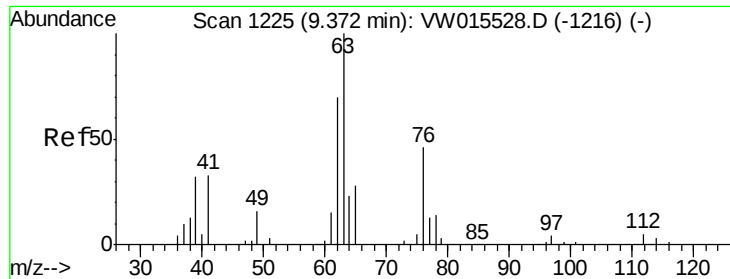
55 78.7 62.8 94.2

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

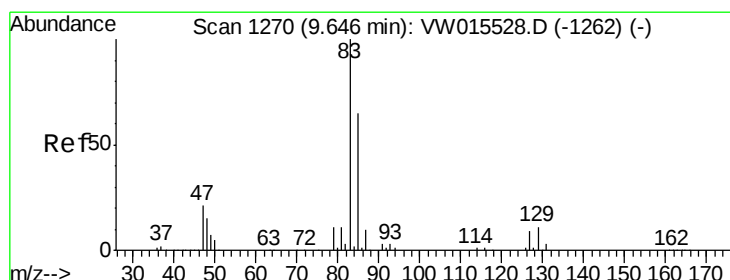
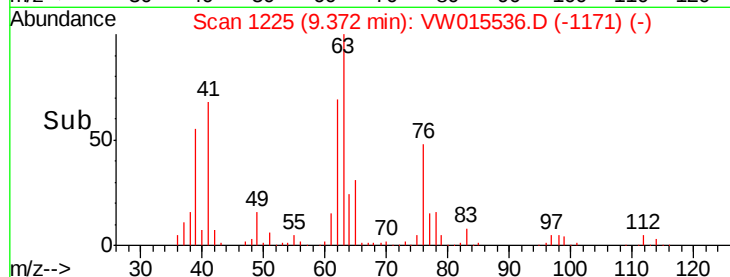
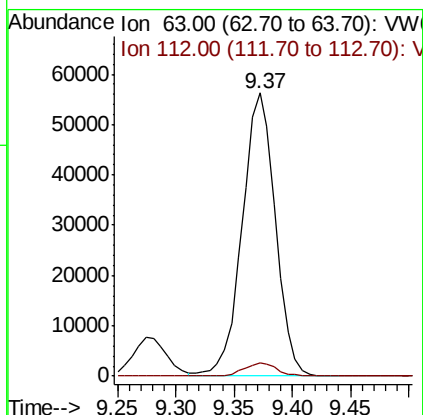
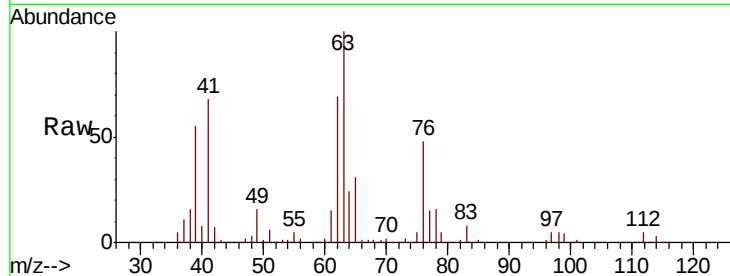




#40
 1,2-Dichloropropane
 Concen: 25.630 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

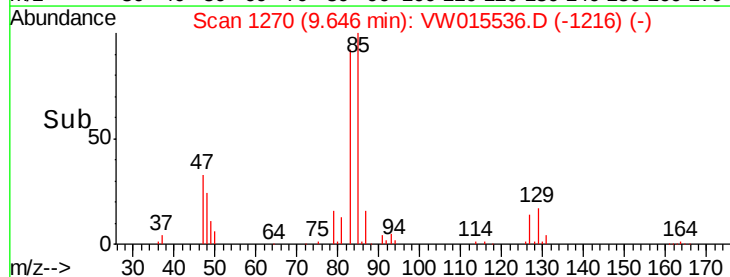
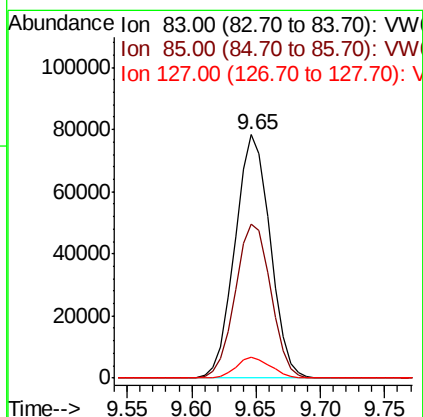
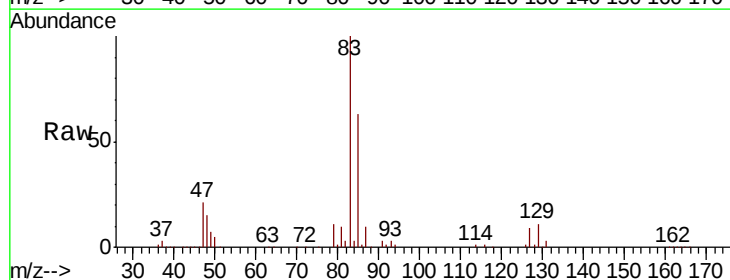
Instrument :
 MSVOA_W
 ClientSampleId :

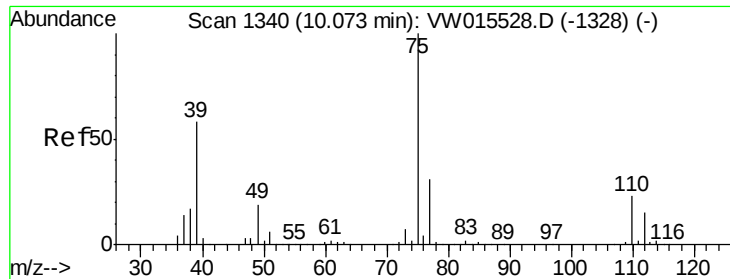
Tot Ion: 63 Resp: 112302
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.319 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion: 83 Resp: 148206
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.8 83.2
 127 8.5 7.0 10.6

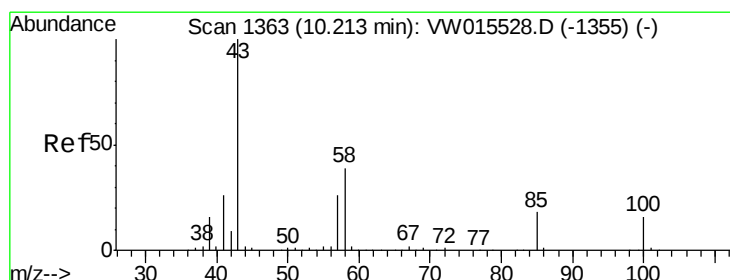
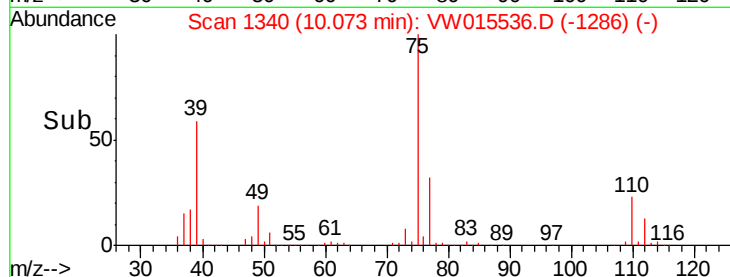
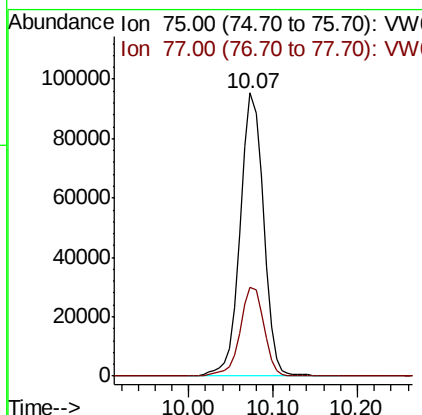
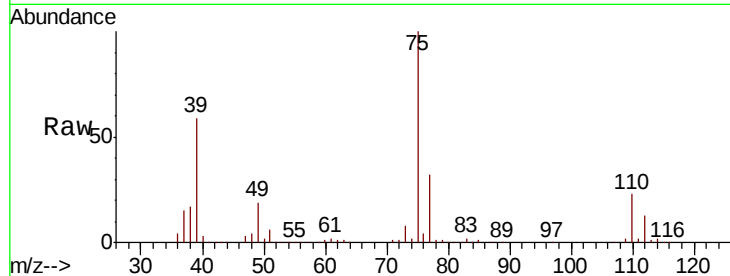




#42
 cis-1,3-Dichloropropene
 Concen: 25.337 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

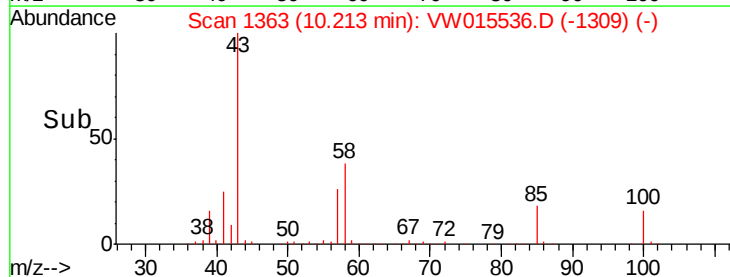
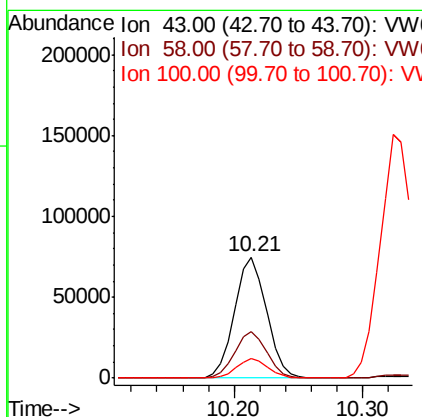
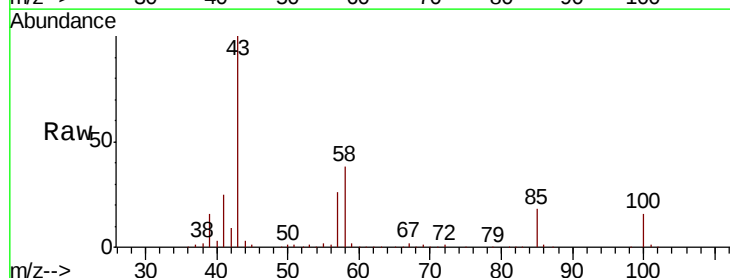
Instrument :
 MSVOA_W
 ClientSampled :

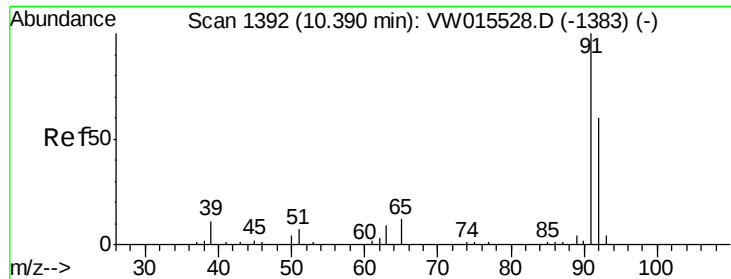
Tot Ion: 75 Resp: 177657
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 50.278 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion: 43 Resp: 129136
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.6 46.0
 100 15.8 12.5 18.7





#44

Toluene

Concen: 26.002 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

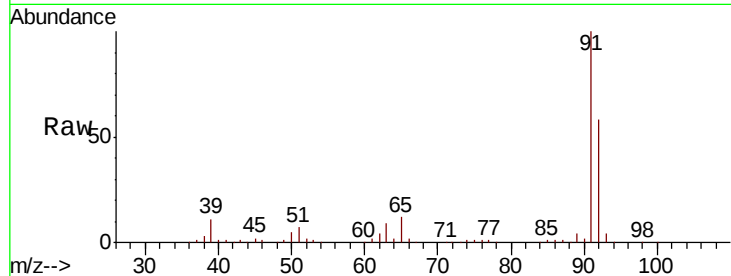
ClientSampleId :

Tot Ion: 91 Resp: 504043

Ion Ratio Lower Upper

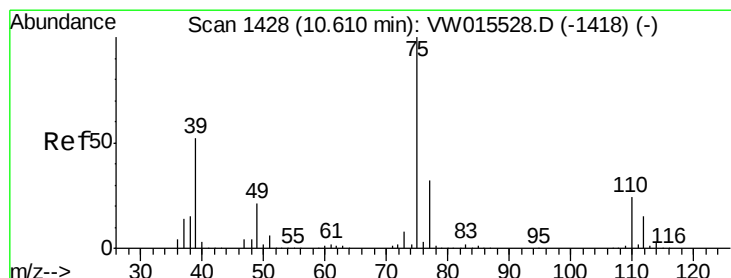
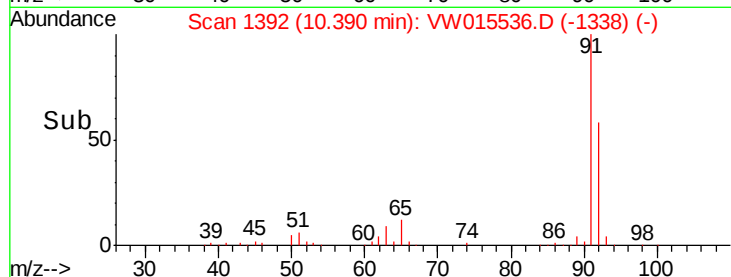
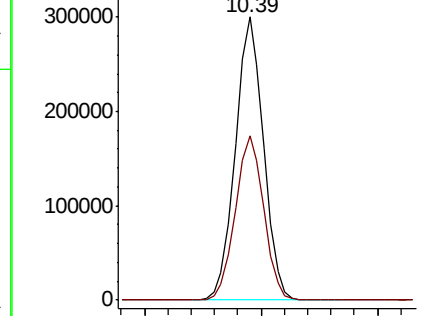
91 100

92 58.2 41.7 77.5



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: 25.623 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015536.D

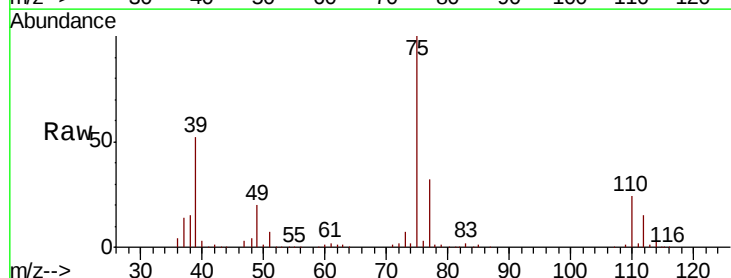
Acq: 03 Jun 2020 14:13

Tgt Ion: 75 Resp: 156348

Ion Ratio Lower Upper

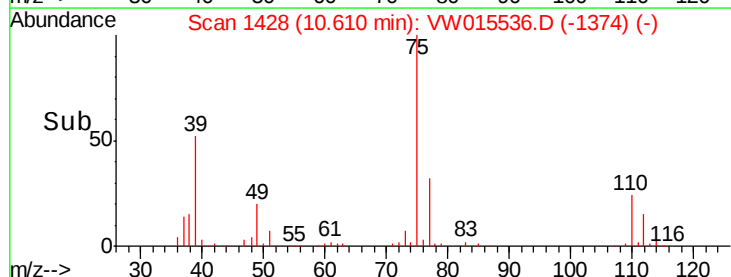
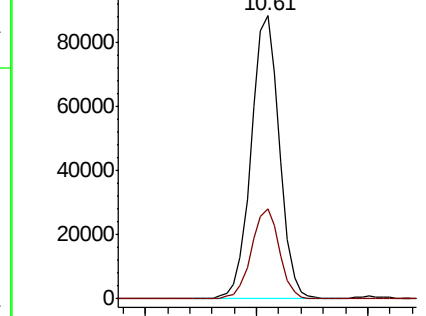
75 100

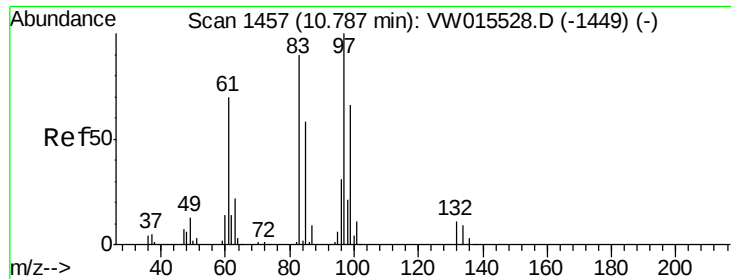
77 31.9 21.5 39.9



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: 25.881 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

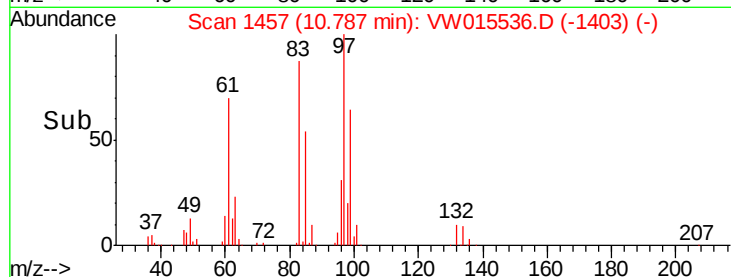
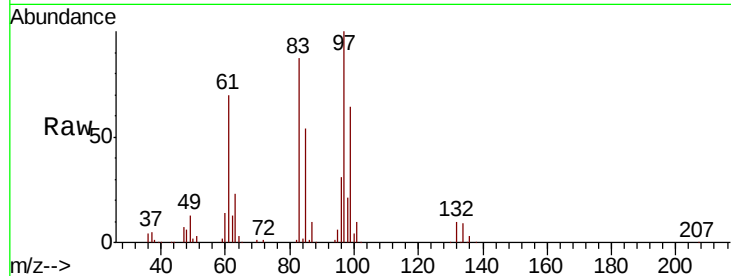
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 79337

Ion	Ratio	Lower	Upper
97	100		
83	87.4	58.2	108.2
85	54.2	37.4	69.4
99	63.5	43.7	81.1

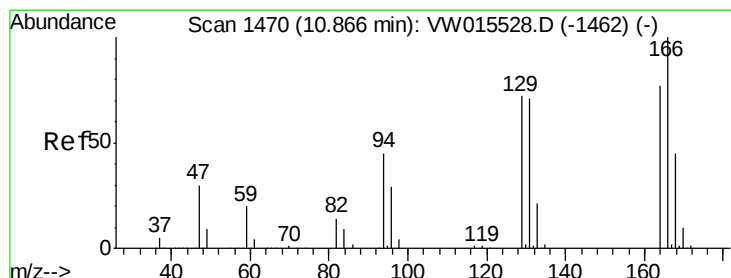
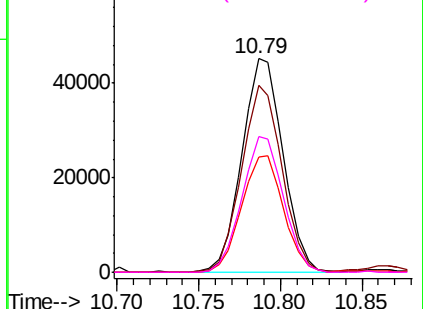


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.503 ug/L

RT: 10.87 min Scan# 1470

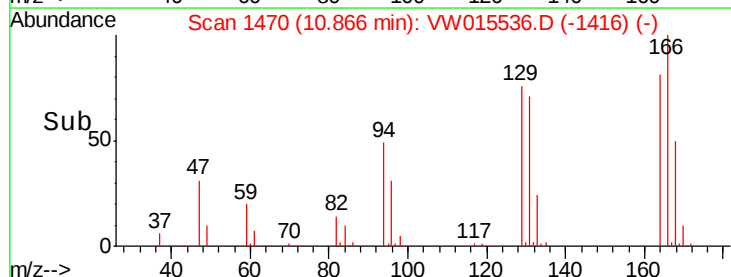
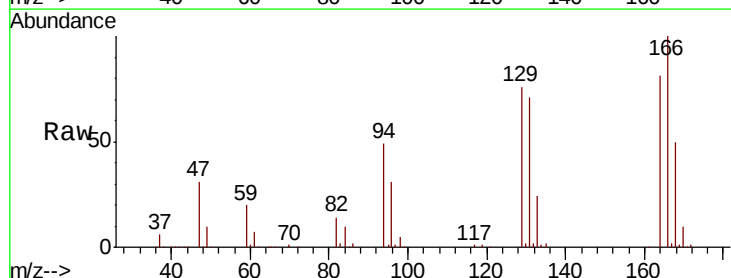
Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Tgt Ion: 164 Resp: 100407

Ion	Ratio	Lower	Upper
164	100		
129	94.2	66.3	123.1
131	87.6	65.1	120.9
166	124.1	90.8	168.6

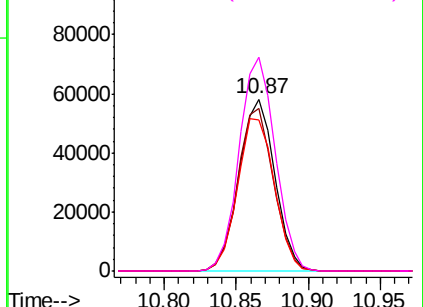


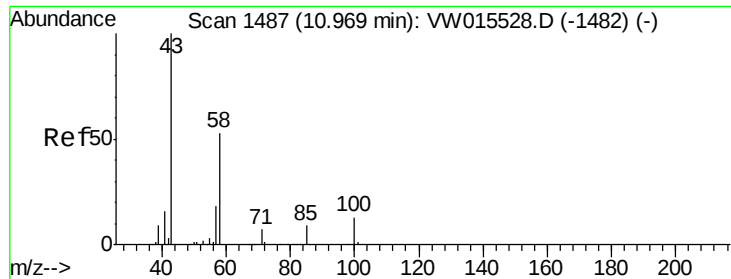
Abundance Ion 164.00 (163.70 to 164.70): V

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: 52.305 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 90679

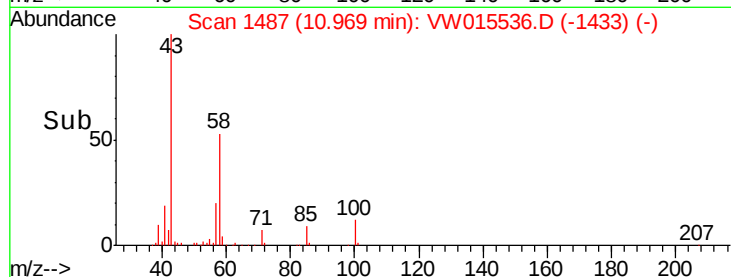
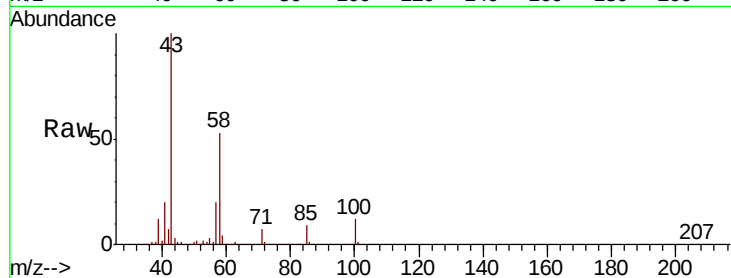
Ion Ratio Lower Upper

43 100

58 52.3 42.6 64.0

57 18.9 15.5 23.3

100 12.4 10.3 15.5

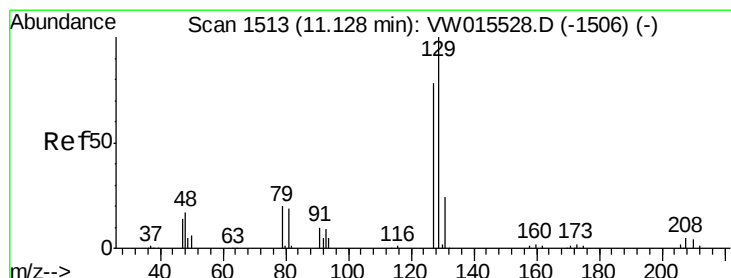
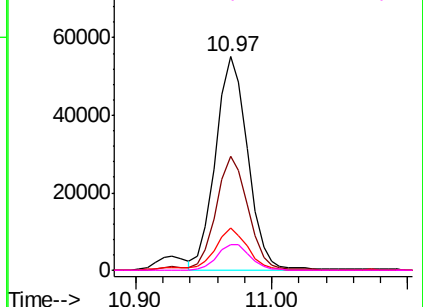


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.800 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015536.D

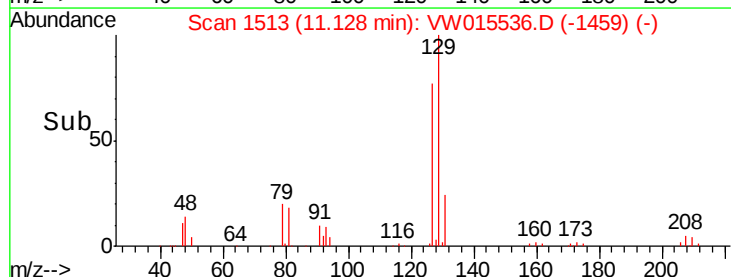
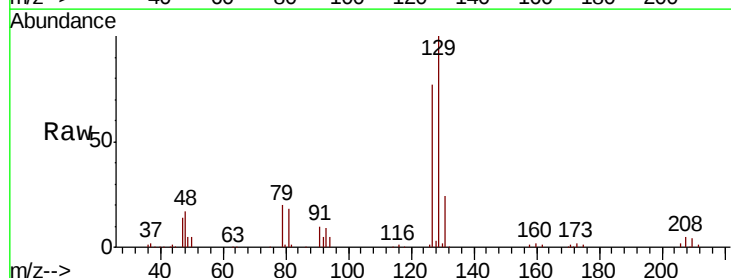
Acq: 03 Jun 2020 14:13

Tgt Ion: 129 Resp: 96087

Ion Ratio Lower Upper

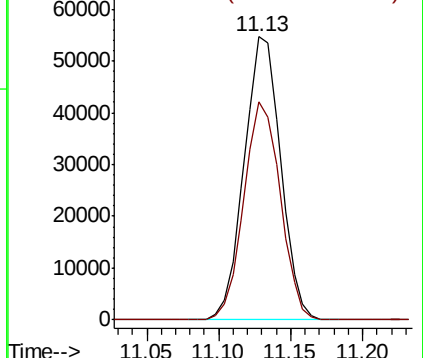
129 100

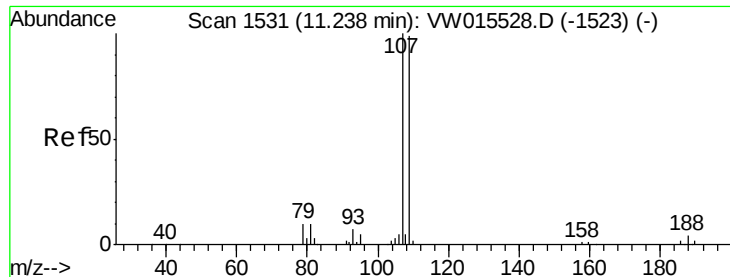
127 77.2 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

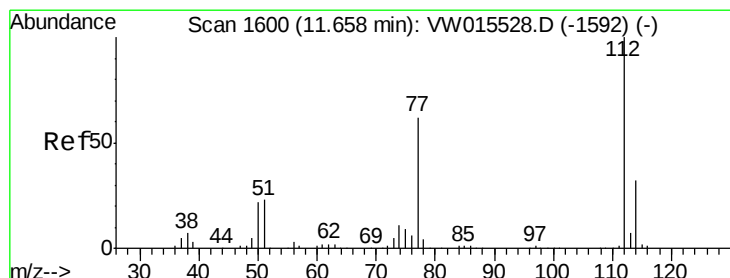
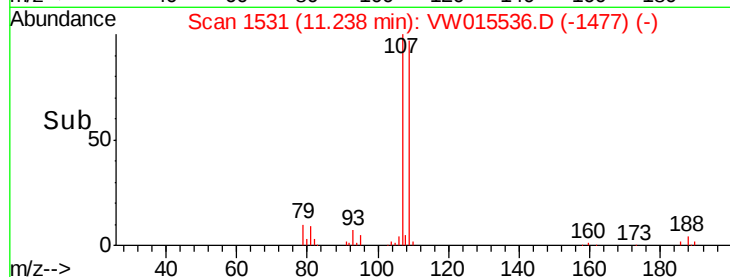
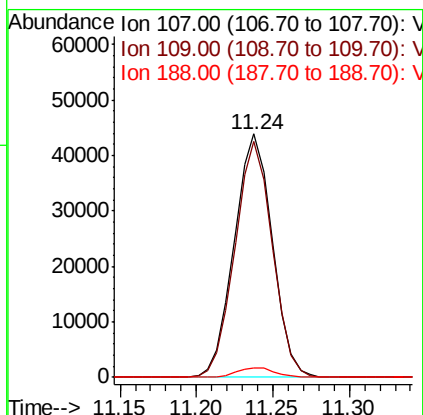
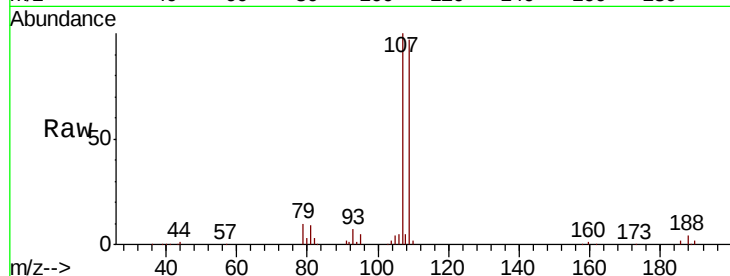




#51
 1,2-Dibromoethane
 Concen: 25.747 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

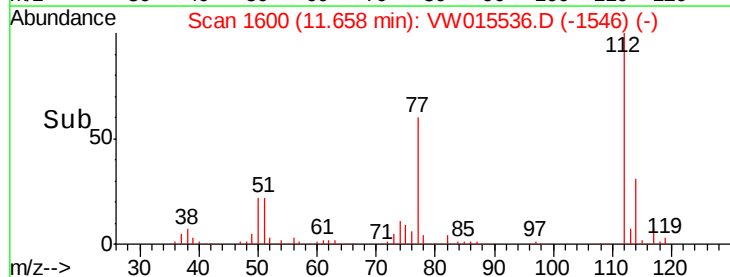
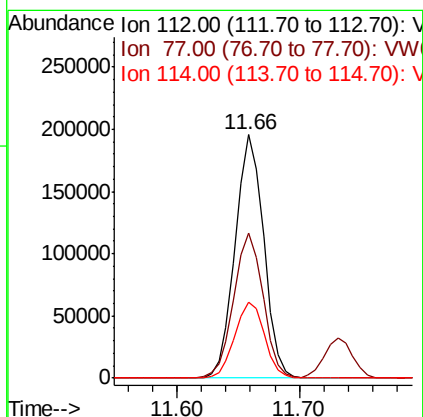
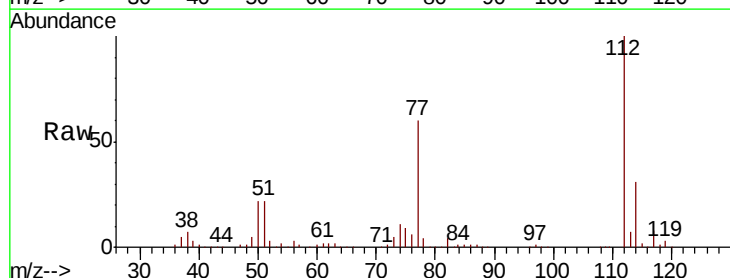
Instrument :
 MSVOA_W
 ClientSampleId :

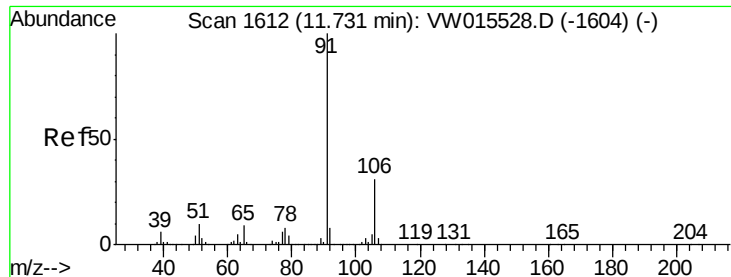
Tot Ion:107 Resp: 75769
 Ion Ratio Lower Upper
 107 100
 109 97.1 64.6 120.0
 188 4.1 2.8 4.2



#52
 Chlorobenzene
 Concen: 26.013 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion:112 Resp: 316297
 Ion Ratio Lower Upper
 112 100
 77 59.7 49.7 74.5
 114 31.4 21.8 40.6

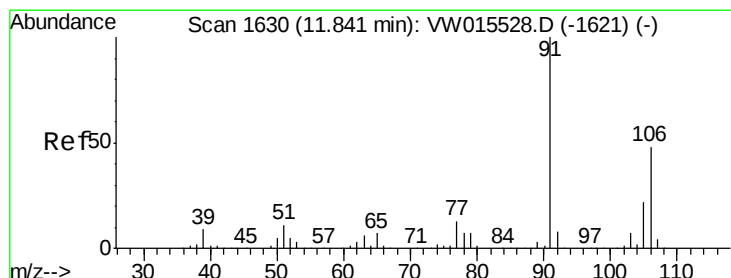
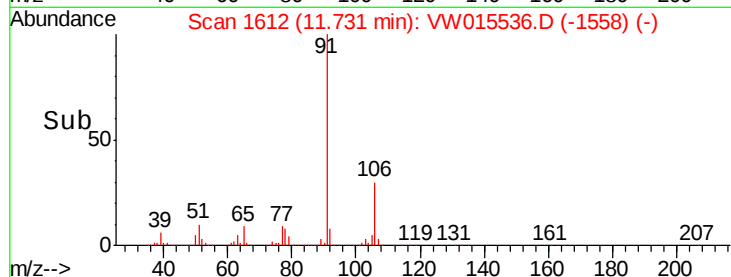
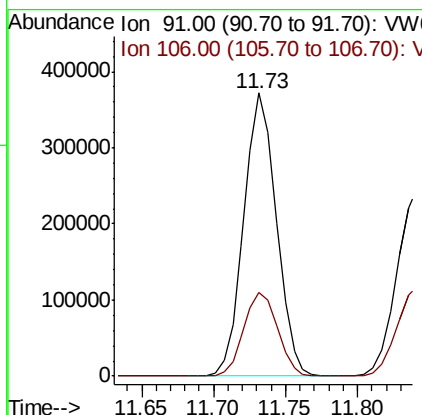
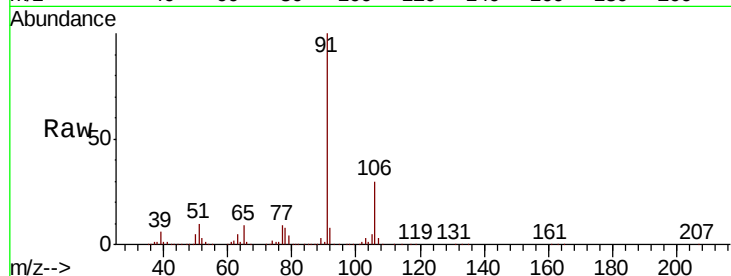




#53
Ethylbenzene
Concen: 26.198 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

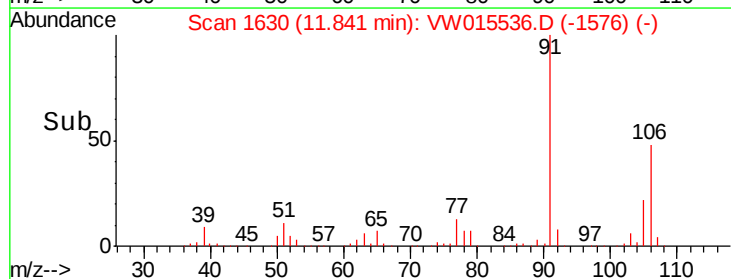
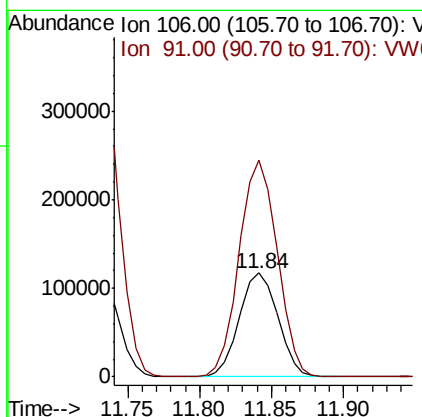
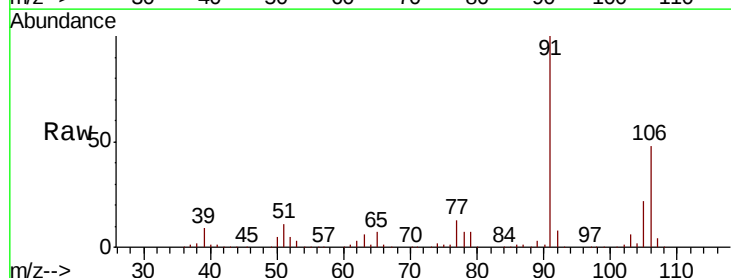
Instrument :
MSVOA_W
ClientSampled :

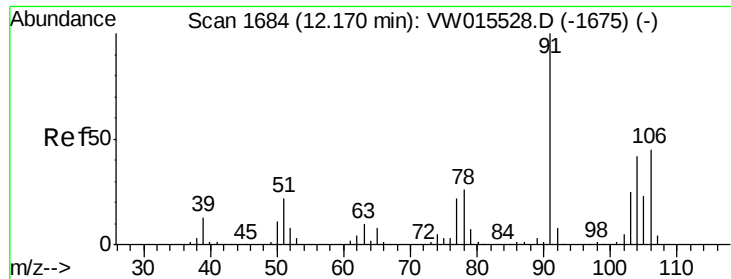
Tot Ion: 91 Resp: 583135
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.6



#54
m,p-Xylene
Concen: 26.175 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Tgt Ion: 106 Resp: 218621
Ion Ratio Lower Upper
106 100
91 209.0 142.6 264.8

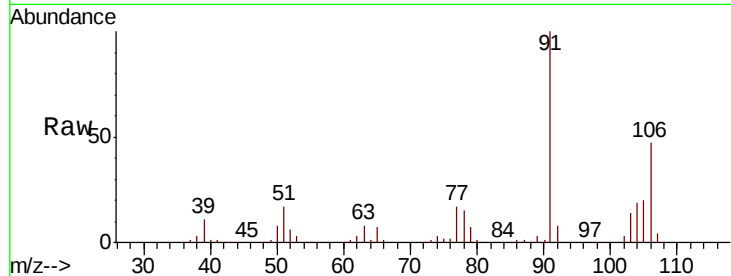




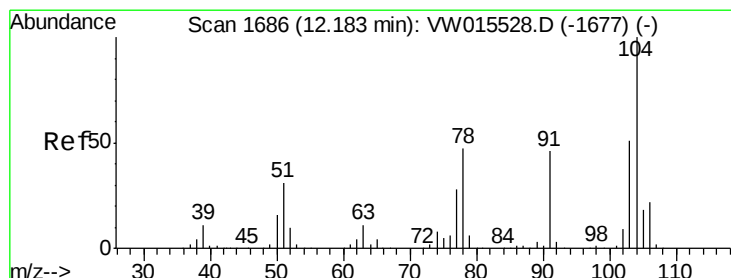
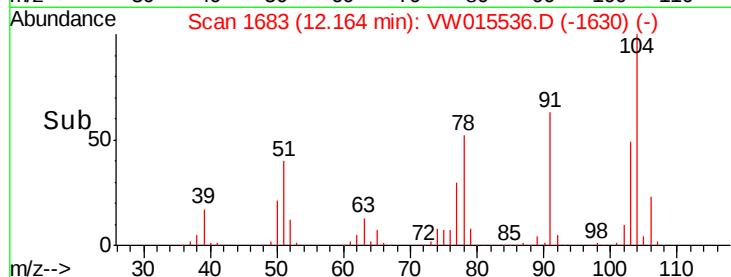
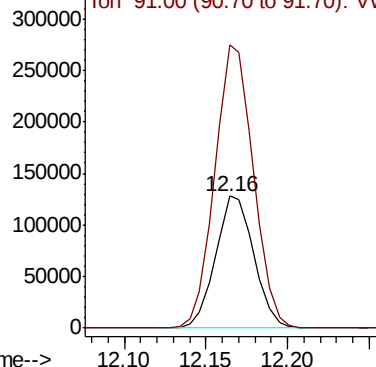
#55
o-xylene
Concen: 26.295 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 208474
Ion Ratio Lower Upper
106 100
91 214.8 149.0 276.6

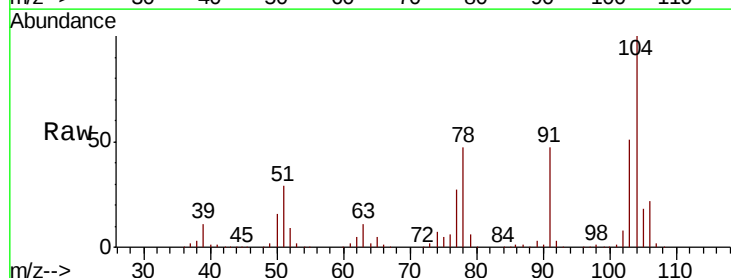


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

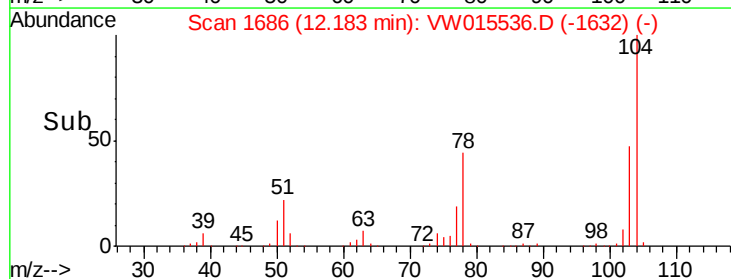
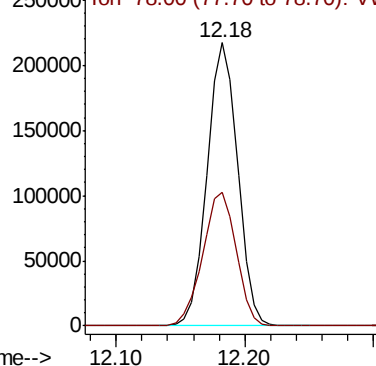


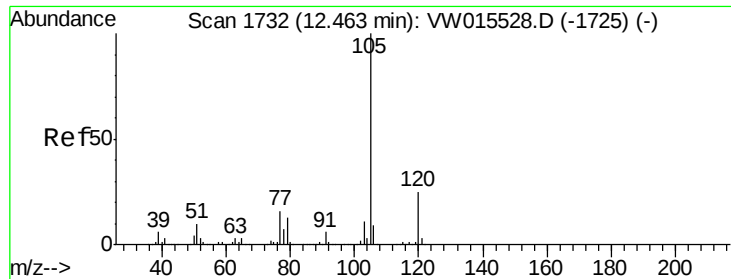
#56
Styrene
Concen: 26.361 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015536.D
Acq: 03 Jun 2020 14:13

Tgt Ion:104 Resp: 357117
Ion Ratio Lower Upper
104 100
78 47.4 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: 26.353 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015536.D

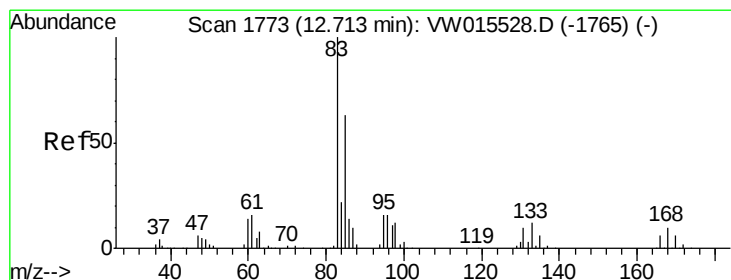
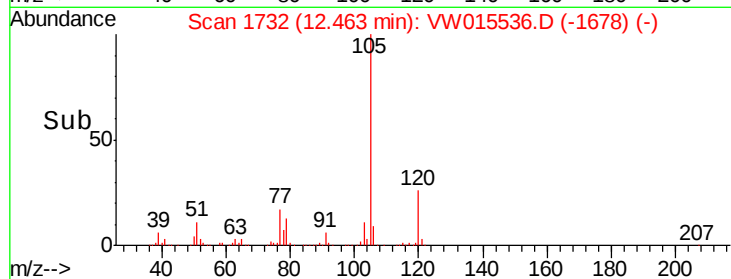
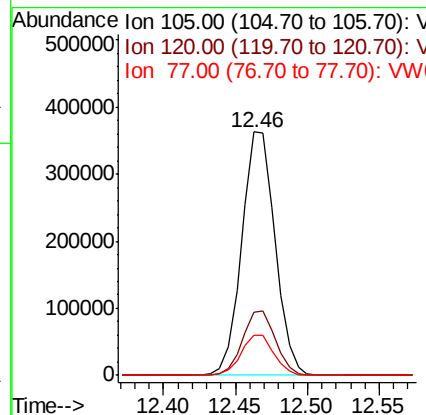
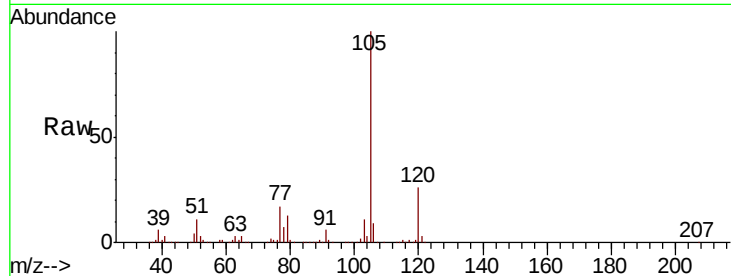
Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	582007
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.4
77	16.3	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 26.371 ug/L

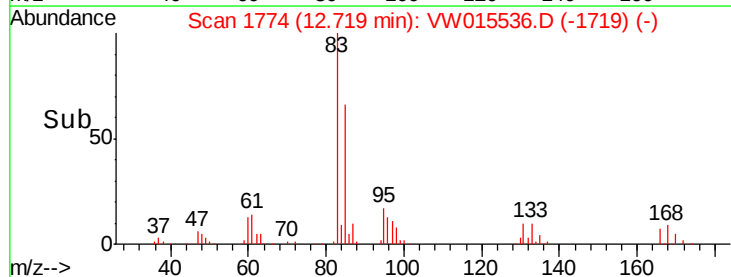
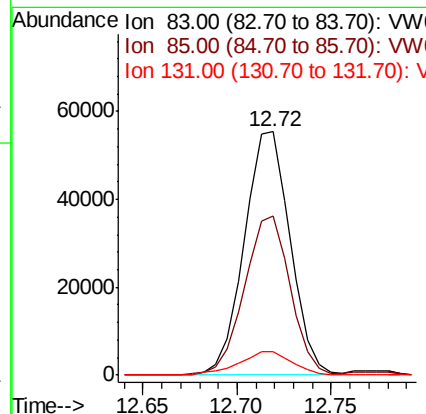
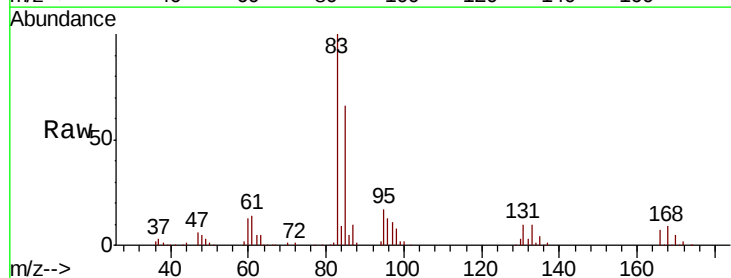
RT: 12.72 min Scan# 1774

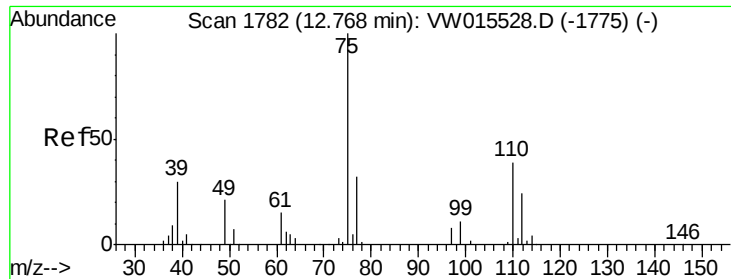
Delta R.T. 0.01 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Tgt Ion:	83	Resp:	93588
Ion	Ratio	Lower	Upper
83	100		
85	65.6	44.7	82.9
131	9.9	9.1	13.7





#59

1,2,3-Trichloropropane

Concen: 25.773 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Instrument :

MSVOA_W

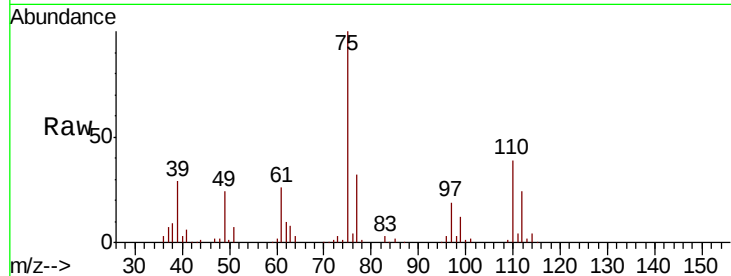
ClientSampleId :

Tot Ion: 75 Resp: 69354

Ion Ratio Lower Upper

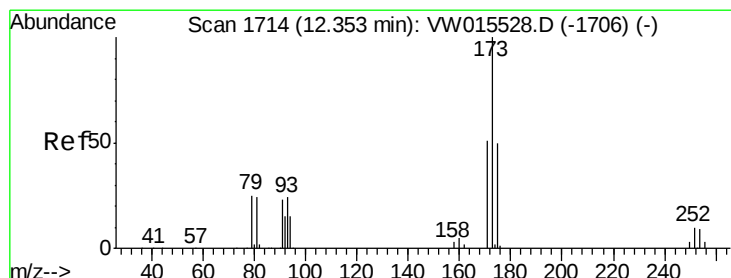
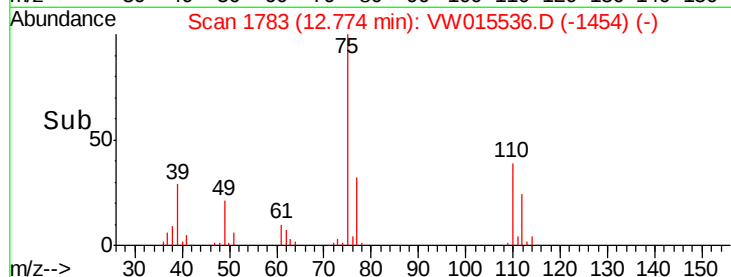
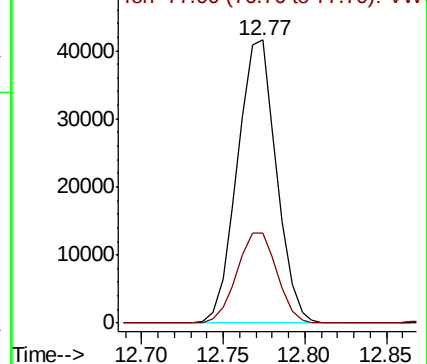
75 100

77 33.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 25.014 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

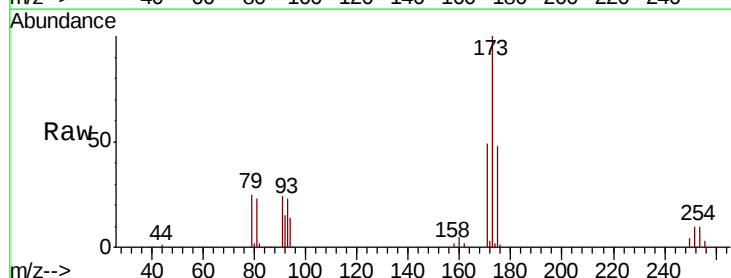
Tgt Ion:173 Resp: 54203

Ion Ratio Lower Upper

173 100

175 47.0 37.9 56.9

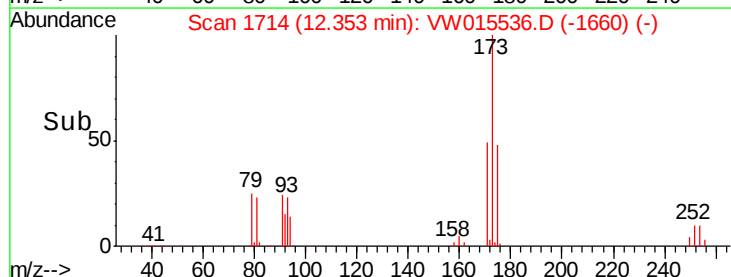
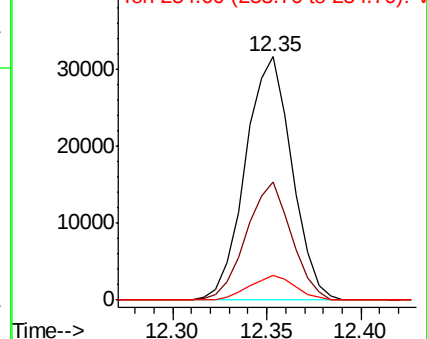
254 10.0 6.8 10.2

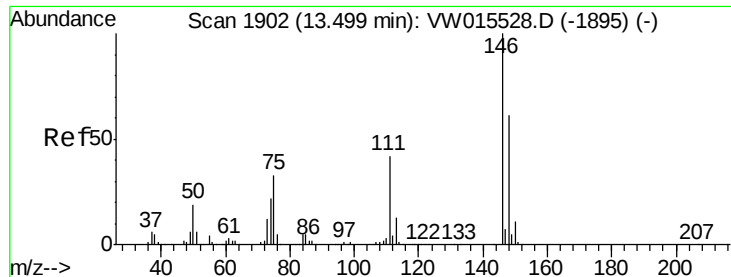


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

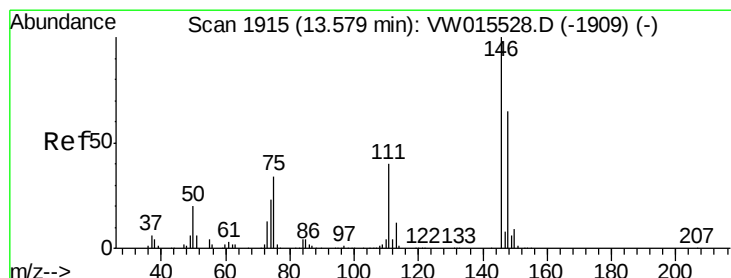
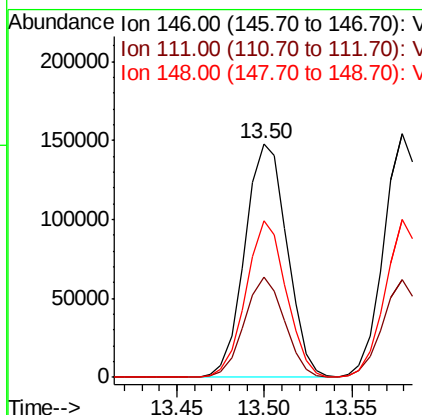
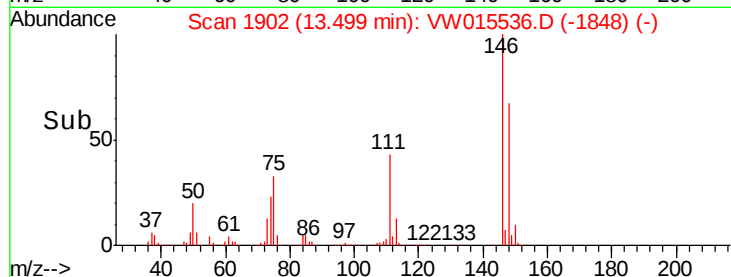
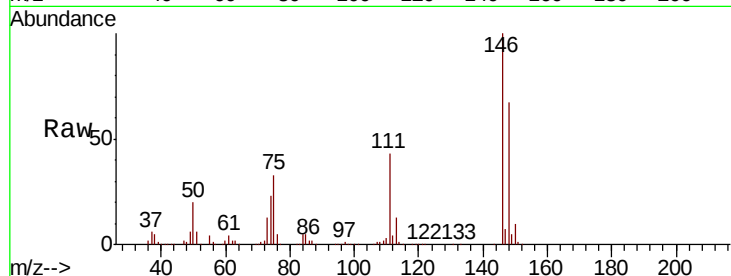




#63
 1,3-Dichlorobenzene
 Concen: 26.033 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

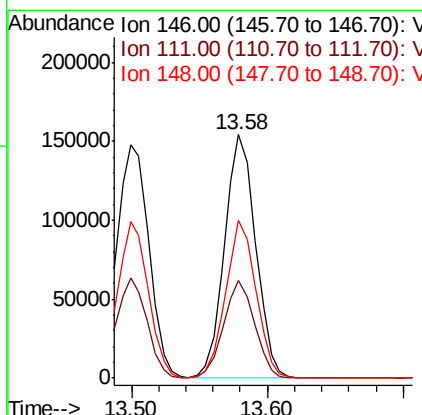
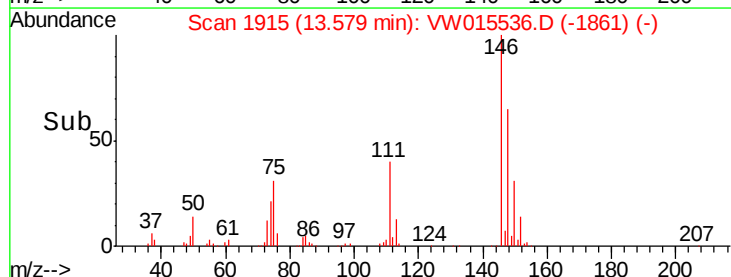
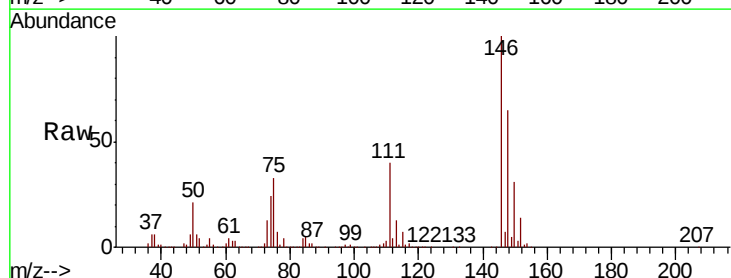
Instrument :
 MSVOA_W
 ClientSampleId :

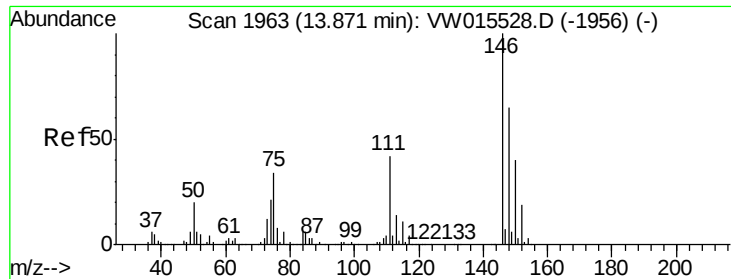
Tot Ion:146 Resp: 247745
 Ion Ratio Lower Upper
 146 100
 111 43.1 29.3 54.5
 148 67.3 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 26.239 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion:146 Resp: 244674
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.1 52.1
 148 65.1 43.3 80.3

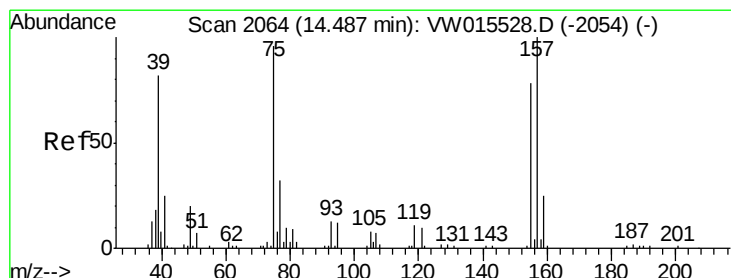
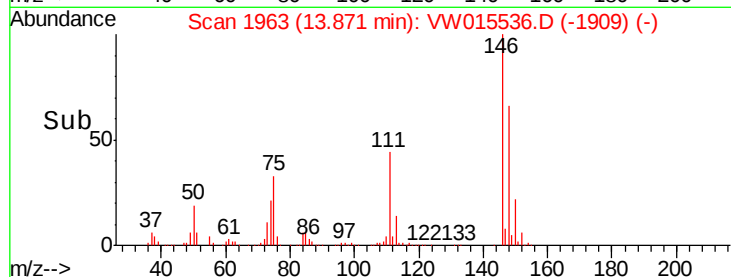
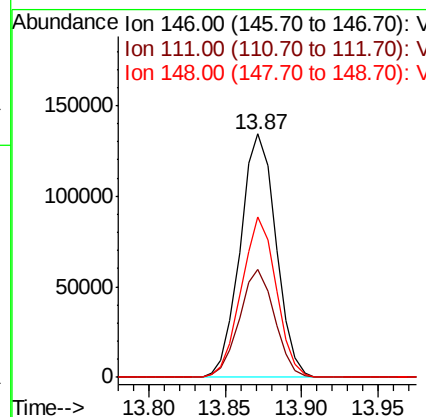
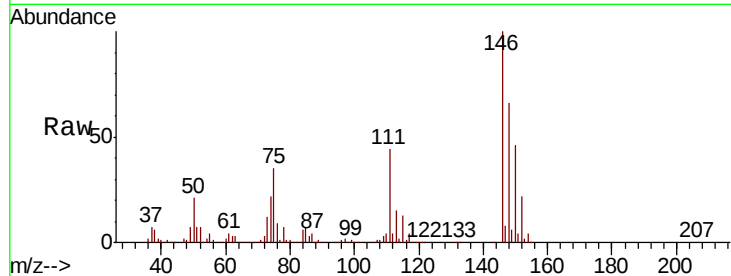




#65
 1,2-Dichlorobenzene
 Concen: 26.433 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

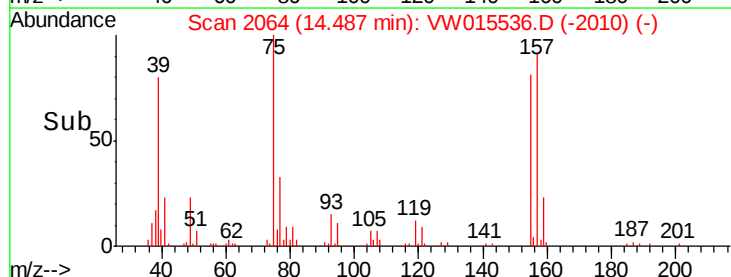
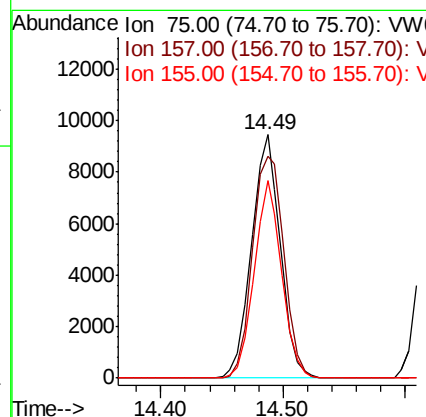
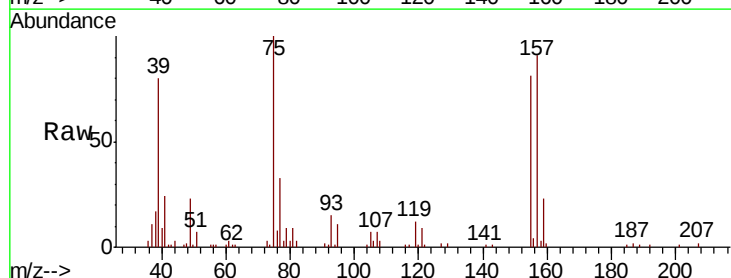
Instrument :
 MSVOA_W
 ClientSampleId :

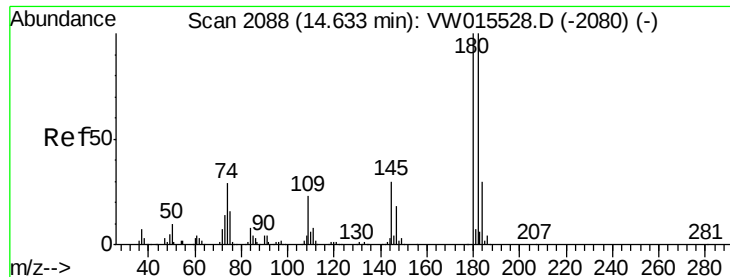
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	34.9	52.3
148	65.8	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.600 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
157	91.0	87.4	131.0
155	81.3	64.6	96.8

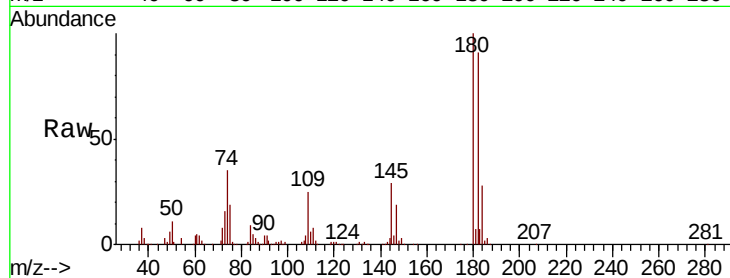




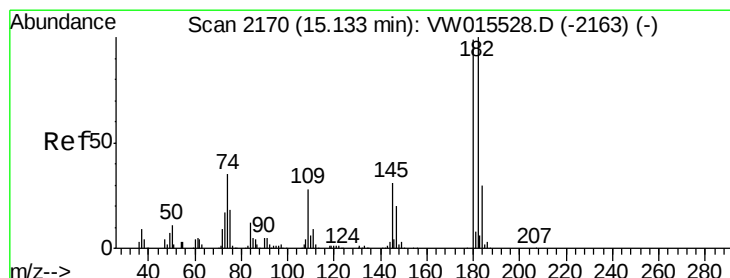
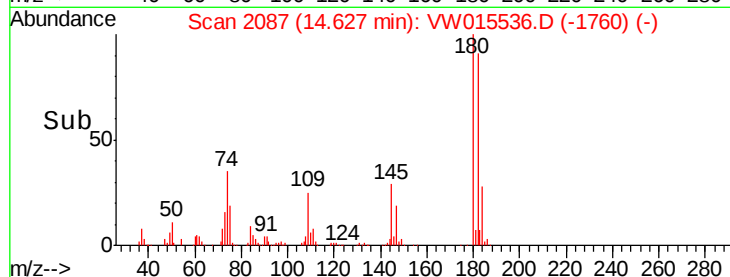
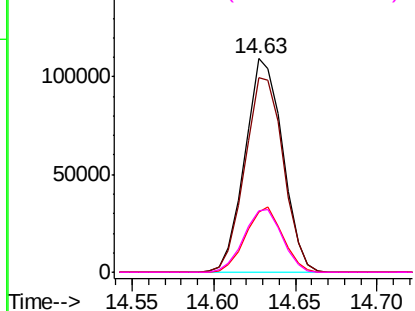
#67
 1,3,5-Trichlorobenzene
 Concen: 26.793 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	176532
Ion	Ratio	Lower Upper
180	100	
182	93.1	76.6 114.8
184	30.0	24.4 36.6
145	29.8	24.0 36.0

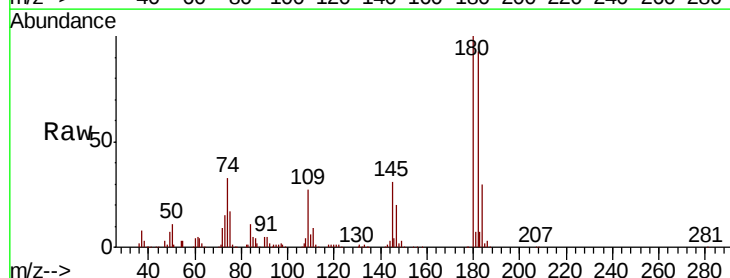


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

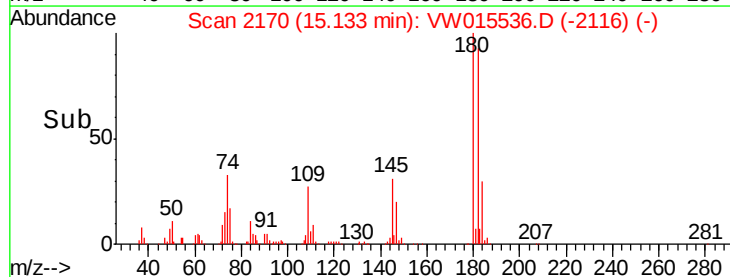
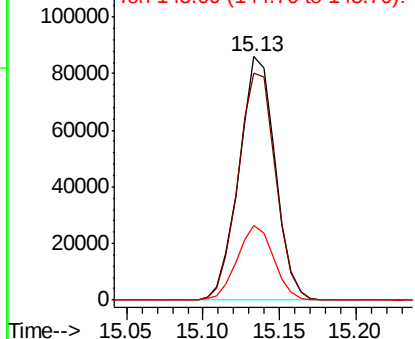


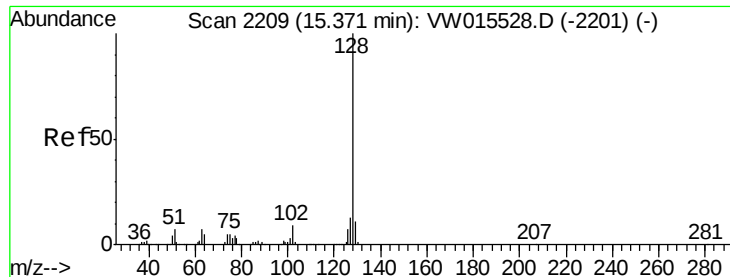
#68
 1,2,4-trichlorobenzene
 Concen: 26.594 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015536.D
 Acq: 03 Jun 2020 14:13

Tgt Ion:180	Resp:	141126
Ion	Ratio	Lower Upper
180	100	
182	96.5	76.1 114.1
145	31.0	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: 26.695 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

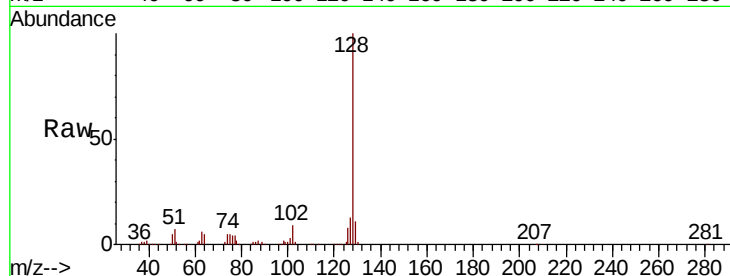
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 257217

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.0	10.6	15.8

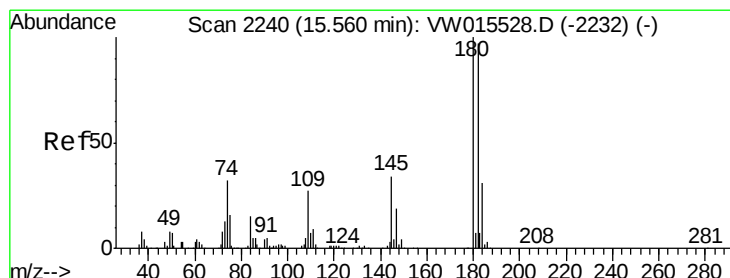
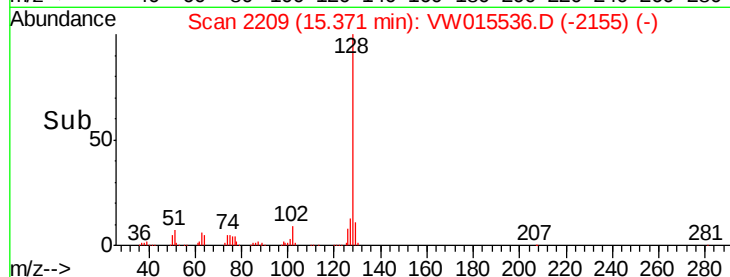
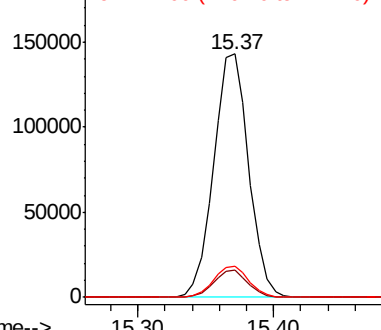


Abundance

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: 26.794 ug/L

RT: 15.56 min Scan# 2240

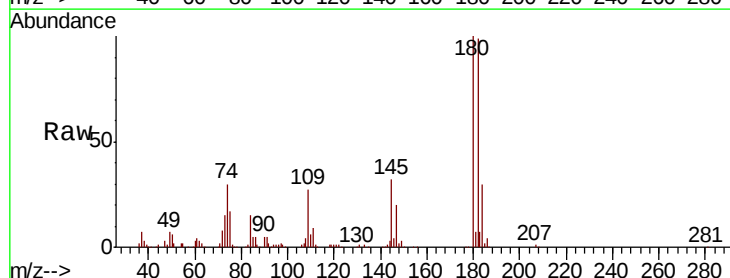
Delta R.T. 0.00 min

Lab File: VW015536.D

Acq: 03 Jun 2020 14:13

Tgt Ion:180 Resp: 120965

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.4	113.2
145	33.2	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

