

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
 Data File : VW016017.D
 Acq On : 30 Jul 2020 17:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 31 06:38:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 06:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	421674	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	392680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188422	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96366	16.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.80%
7) Chloroethane-d5	2.90	69	97406	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.64%
10) 1,1-Dichloroethene-d2	4.02	63	236973	19.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.80%
20) 2-Butanone-d5	7.09	46	77206	49.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.80%
24) Chloroform-d	7.65	84	269771	22.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	8.31	65	139542	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.84%
29) Benzene-d6	8.28	84	515712	21.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.32%
33) 1,2-Dichloropropane-d6	9.28	67	162891	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.92%
37) Toluene-d8	10.33	98	461704	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.28%
38) trans-1,3-Dichloropropene-	10.58	79	61746	20.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.88%
39) 2-Hexanone-d5	10.93	63	59121	49.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133075	24.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	165090	22.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	81291	22.783	ug/L	96
3) Chloromethane	2.21	50	99293	23.009	ug/L	100
5) Vinyl chloride	2.37	62	149267	22.426	ug/L	99
6) Bromomethane	2.79	94	88560	22.303	ug/L	99
8) Chloroethane	2.93	64	92630	23.757	ug/L	100
9) Trichlorofluoromethane	3.27	101	109649	24.508	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	135109	24.705	ug/L	97
12) 1,1-Dichloroethene	4.04	96	131168	24.198	ug/L	89
13) Acetone	4.13	43	55357	42.175	ug/L	95
14) Carbon disulfide	4.39	76	379637	22.176	ug/L	100
15) Methyl Acetate	4.68	43	58450	23.617	ug/L	98
16) Methylene chloride	4.92	84	175106	25.343	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	187605	24.475	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	138308	24.163	ug/L	97
19) 1,1-Dichloroethane	6.23	63	262560	24.891	ug/L	99
21) 2-Butanone	7.18	43	77083	47.491	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	150332	25.102	ug/L	97

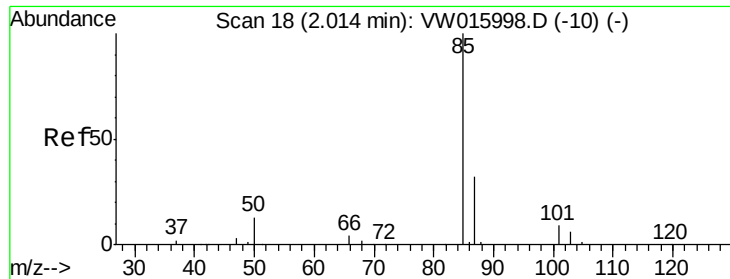
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 06:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66840	25.452	ug/L	99
25) Chloroform	7.68	83	261497	25.014	ug/L	98
27) 1,2-Dichloroethane	8.40	62	164259	23.091	ug/L	96
30) Cyclohexane	7.96	56	226696	22.895	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	212970	23.227	ug/L	99
32) Carbon tetrachloride	8.07	117	190735	22.940	ug/L	98
34) Benzene	8.33	78	586731	24.601	ug/L	100
35) Trichloroethene	9.10	95	148197	23.490	ug/L	98
36) Methylcyclohexane	9.34	83	248616	22.966	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148592	25.150	ug/L	100
41) Bromodichloromethane	9.65	83	183667	24.071	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	218037	24.230	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	163859	47.514	ug/L	99
44) Toluene	10.39	91	624303	24.958	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	187646	24.058	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	106124	24.978	ug/L	99
47) Tetrachloroethene	10.87	164	115897	23.666	ug/L	96
49) 2-Hexanone	10.98	43	114815	46.915	ug/L	97
50) Dibromochloromethane	11.13	129	119822	24.359	ug/L	95
51) 1,2-Dibromoethane	11.24	107	97288	23.936	ug/L	100
52) Chlorobenzene	11.66	112	388560	24.242	ug/L	98
53) Ethylbenzene	11.73	91	694954	24.707	ug/L	98
54) m,p-Xylene	11.84	106	262670	24.960	ug/L	100
55) o-xylene	12.17	106	247603	24.987	ug/L	97
56) Styrene	12.18	104	435380	25.836	ug/L	98
57) Isopropylbenzene	12.47	105	684207	25.365	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	123320	24.718	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	90786	24.287	ug/L	99
62) Bromoform	12.35	173	65318	23.565	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	292310	24.239	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	297572	24.313	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	268959	24.554	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	18905	22.930	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	209281	24.681	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	162672	24.153	ug/L	98
69) Naphthalene	15.37	128	305375	24.067	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	147654	24.605	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 22.783 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

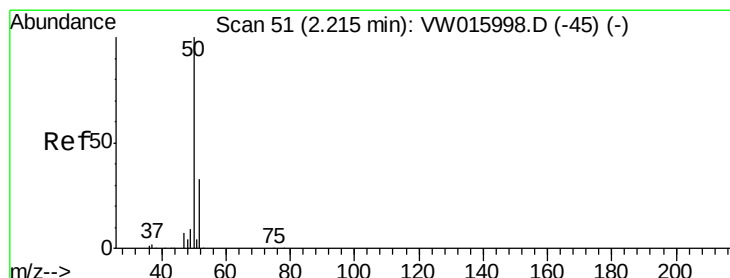
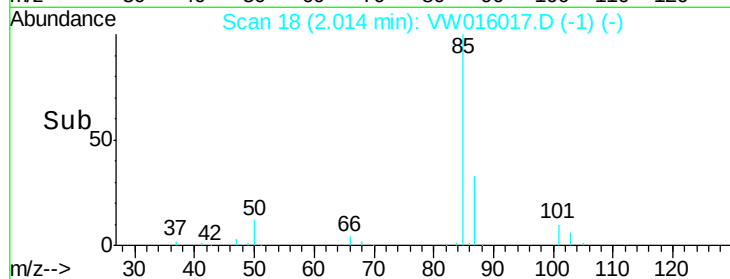
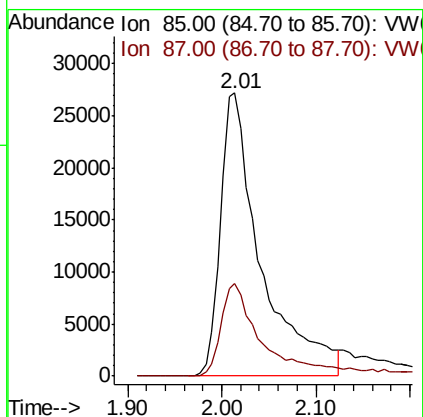
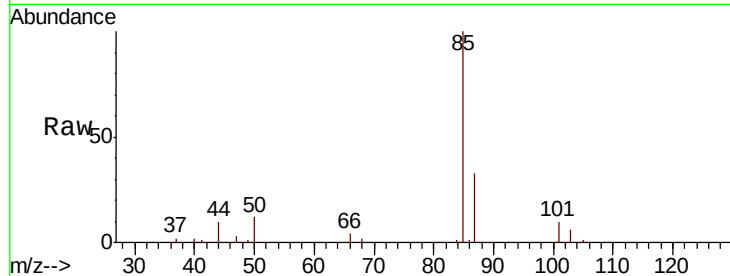
ClientSampleId :

Tot Ion: 85 Resp: 81291

Ion Ratio Lower Upper

85 100

87 27.7 21.0 39.0



#3

Chloromethane

Concen: 23.009 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016017.D

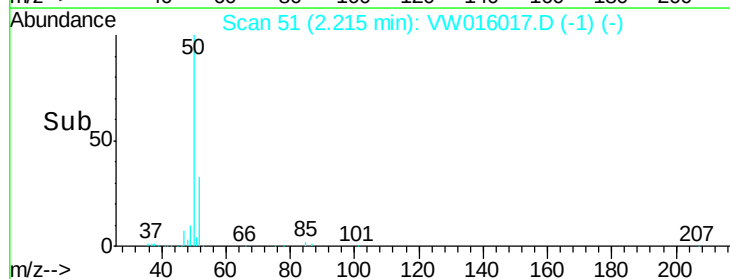
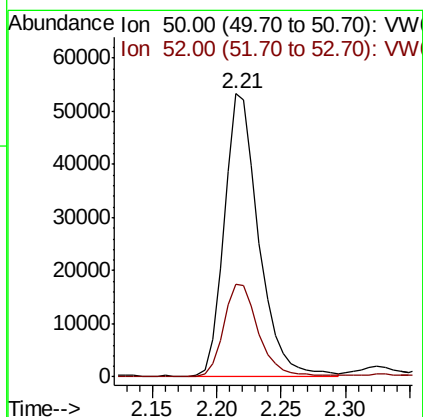
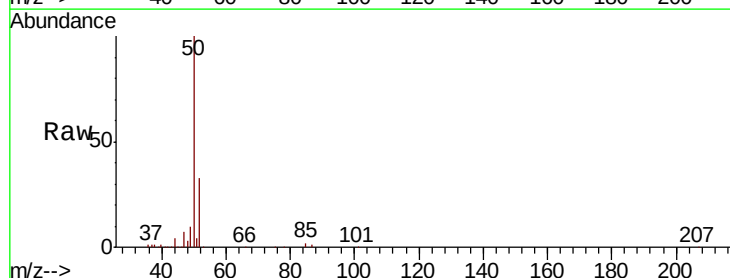
Acq: 30 Jul 2020 17:30

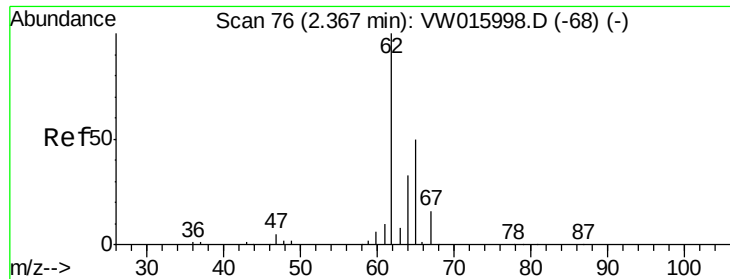
Tgt Ion: 50 Resp: 99293

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 22.426 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

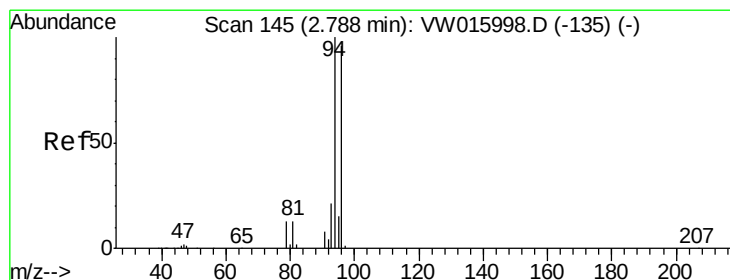
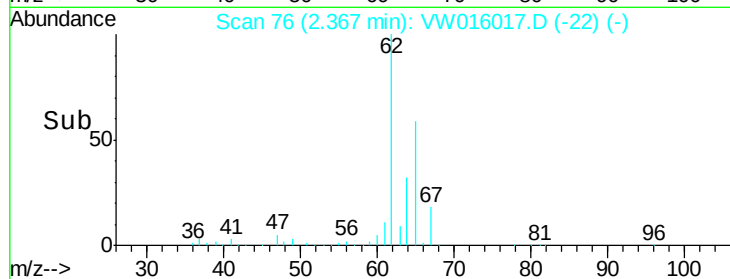
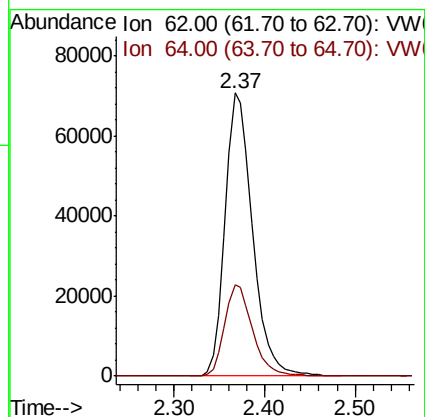
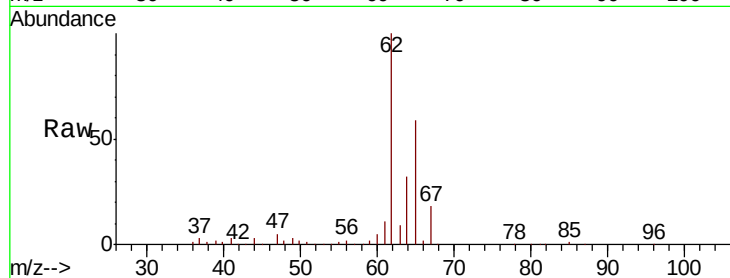
ClientSampleId :

Tot Ion: 62 Resp: 149267

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



#6

Bromomethane

Concen: 22.303 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016017.D

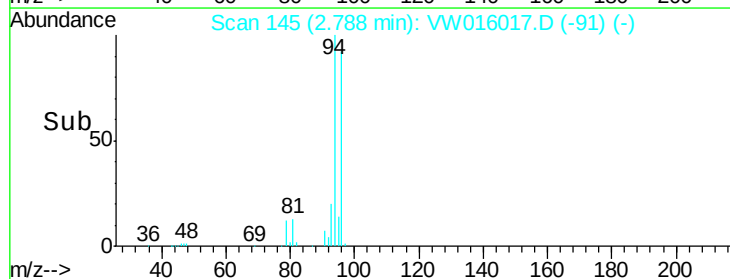
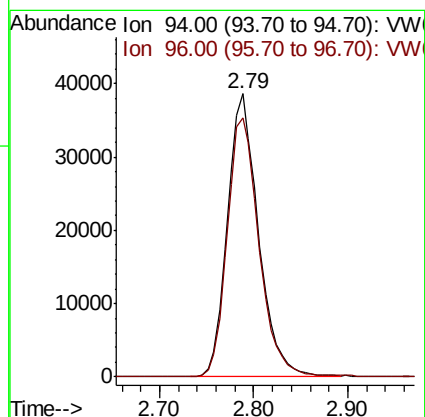
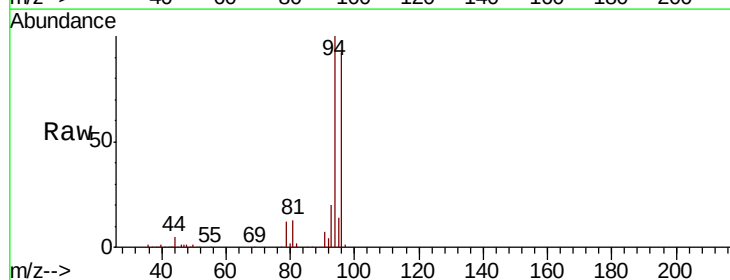
Acq: 30 Jul 2020 17:30

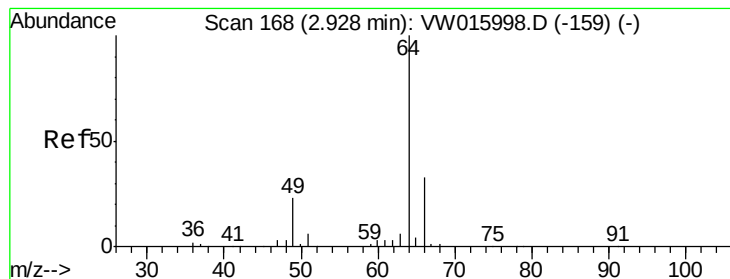
Tgt Ion: 94 Resp: 88560

Ion Ratio Lower Upper

94 100

96 93.6 9.5 180.1





#8

Chloroethane

Concen: 23.757 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

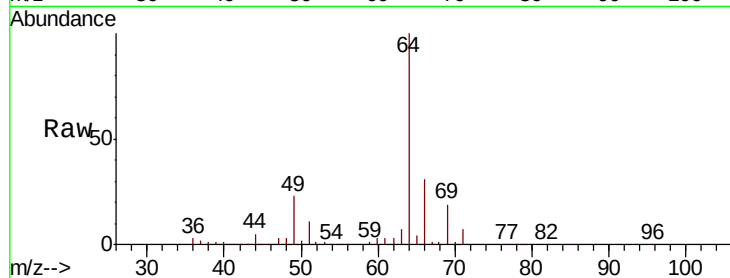
ClientSampleId :

Tot Ion: 64 Resp: 92630

Ion Ratio Lower Upper

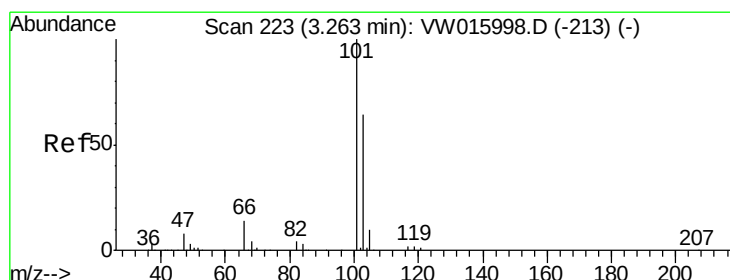
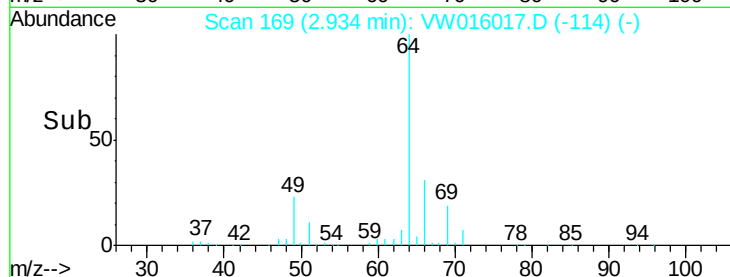
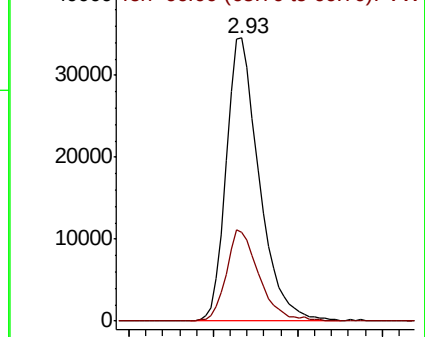
64 100

66 31.3 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 24.508 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW016017.D

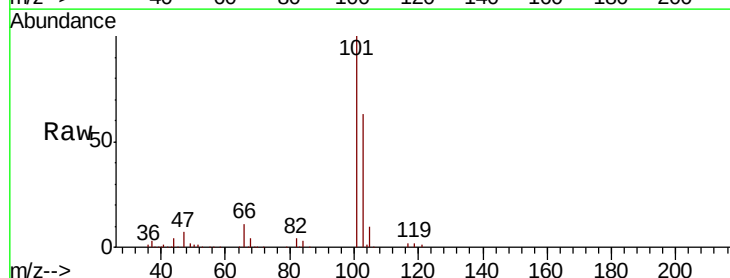
Acq: 30 Jul 2020 17:30

Tgt Ion: 101 Resp: 109649

Ion Ratio Lower Upper

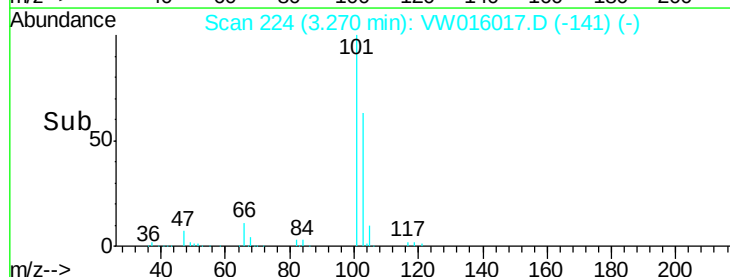
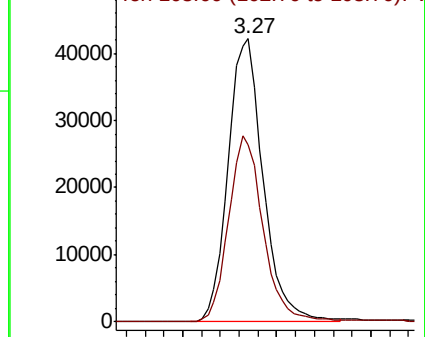
101 100

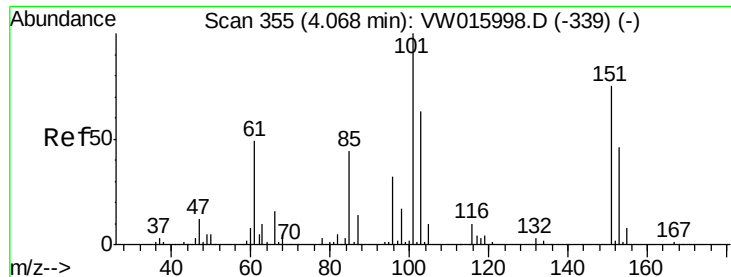
103 64.4 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 24.705 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

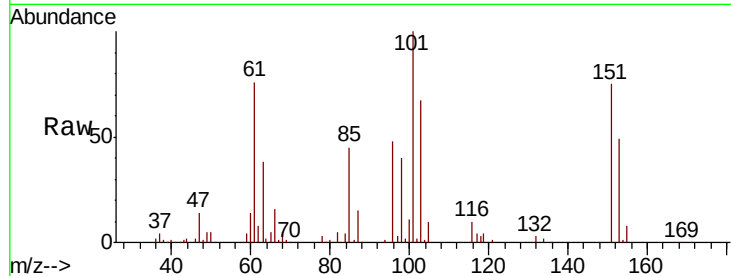
Tot Ion:101 Resp: 135109

Ion Ratio Lower Upper

101 100

85 43.1 35.5 53.3

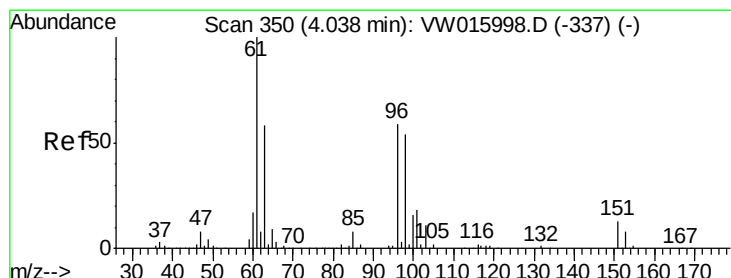
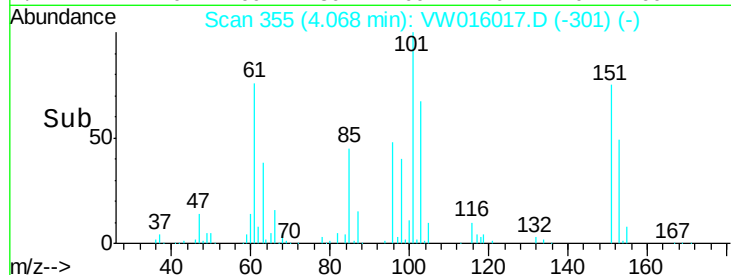
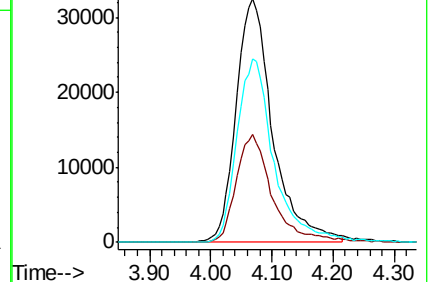
151 75.5 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.198 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

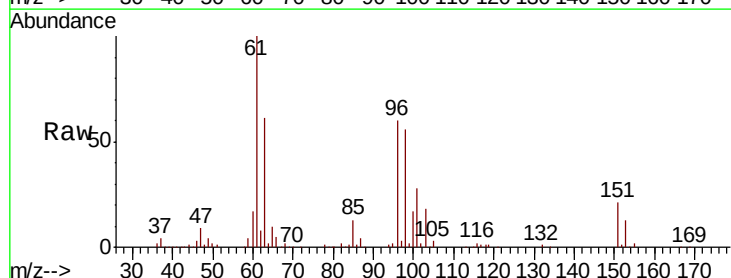
Tgt Ion: 96 Resp: 131168

Ion Ratio Lower Upper

96 100

61 167.0 125.0 232.2

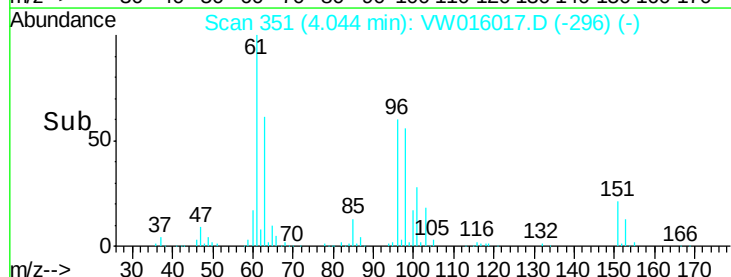
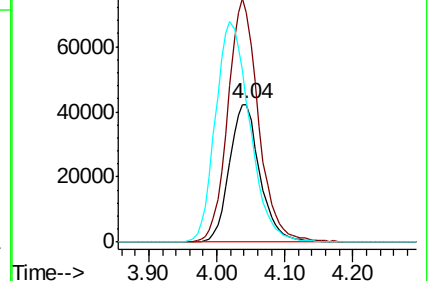
63 101.3 82.3 152.8

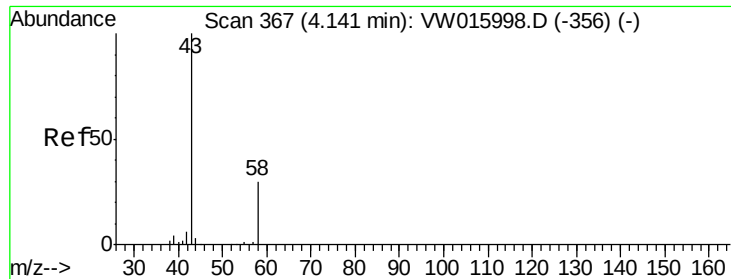


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

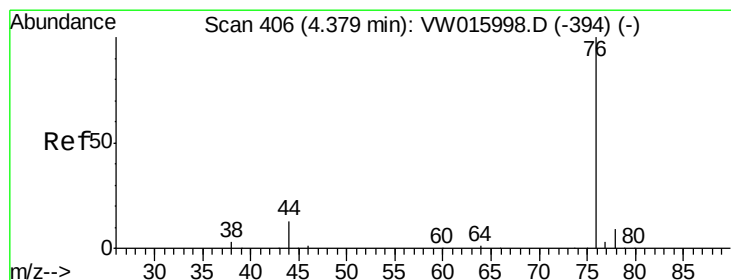
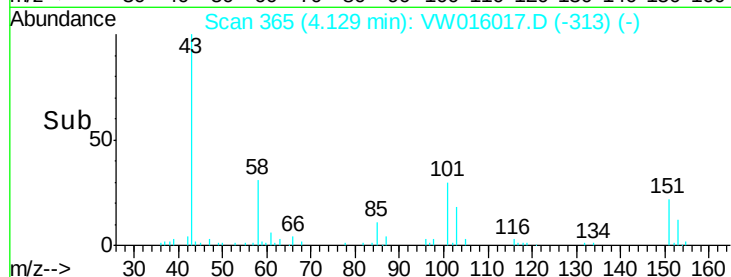
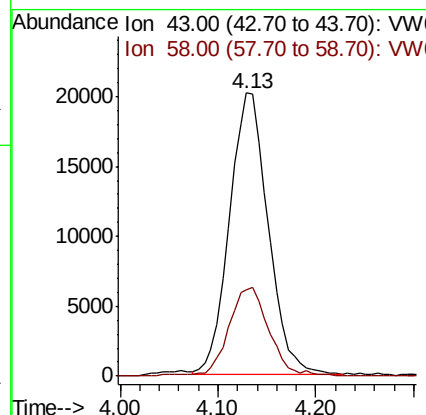
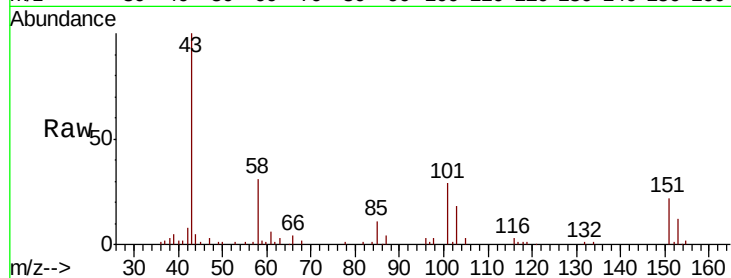




#13
Acetone
Concen: 42.175 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

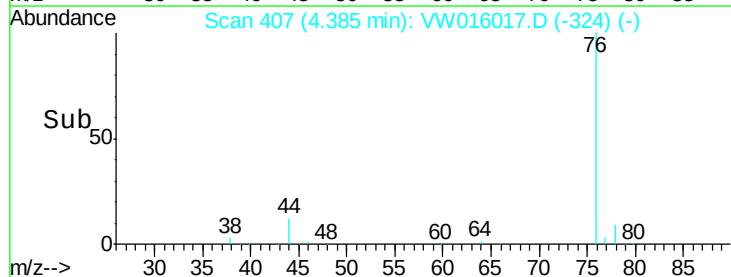
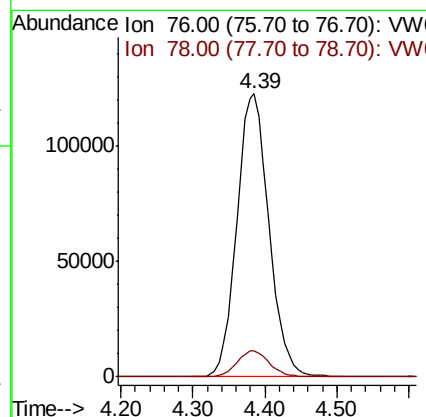
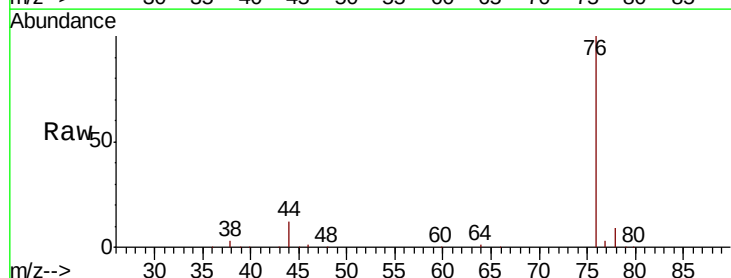
Instrument :
MSVOA_W
ClientSampleId :

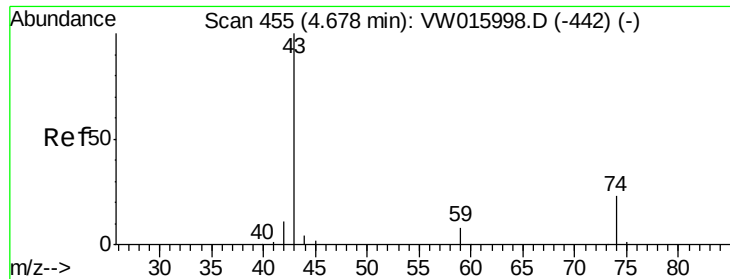
Tot Ion: 43 Resp: 55357
Ion Ratio Lower Upper
43 100
58 31.9 0.0 58.2



#14
Carbon disulfide
Concen: 22.176 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion: 76 Resp: 379637
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

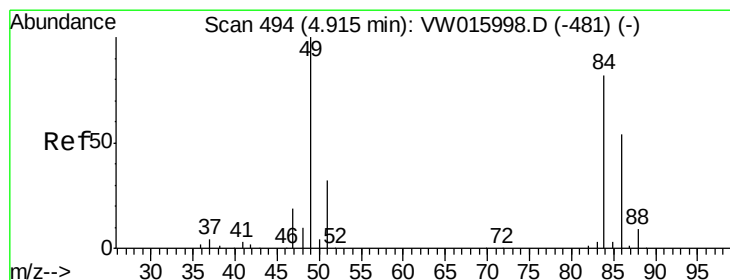
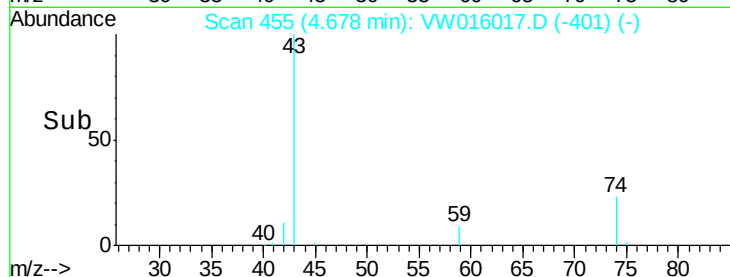
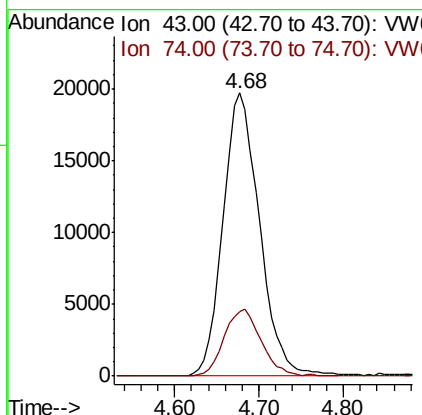
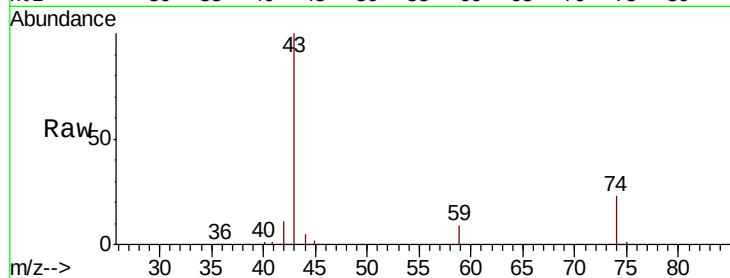




#15
Methvl Acetate
Concen: 23.617 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

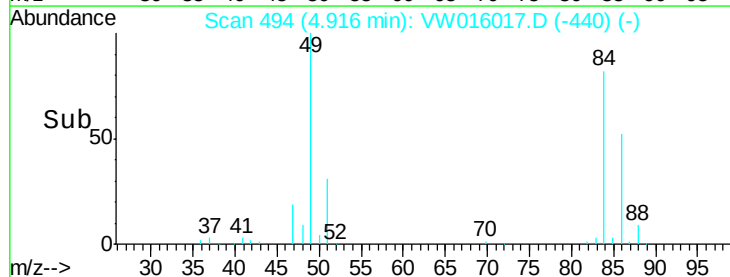
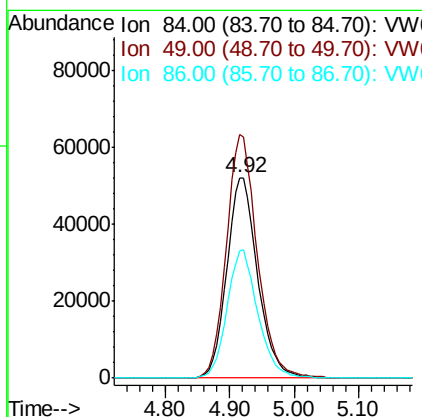
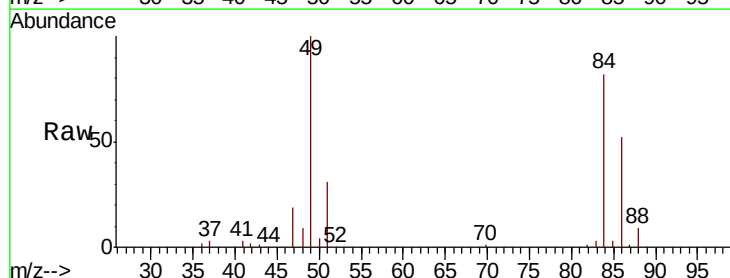
Instrument :
MSVOA_W
ClientSampleId :

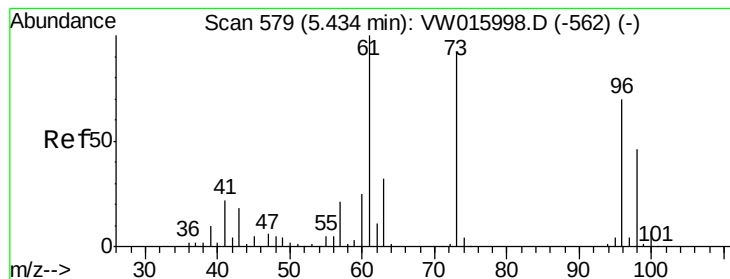
Tot Ion: 43 Resp: 58450
Ion Ratio Lower Upper
43 100
74 23.6 18.2 27.2



#16
Methylene chloride
Concen: 25.343 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion: 84 Resp: 175106
Ion Ratio Lower Upper
84 100
49 121.6 91.1 169.1
86 63.8 46.0 85.4





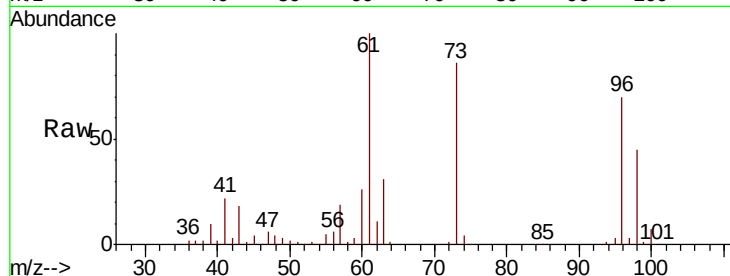
#17

Methyl tert-butyl Ether
 Concen: 24.475 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

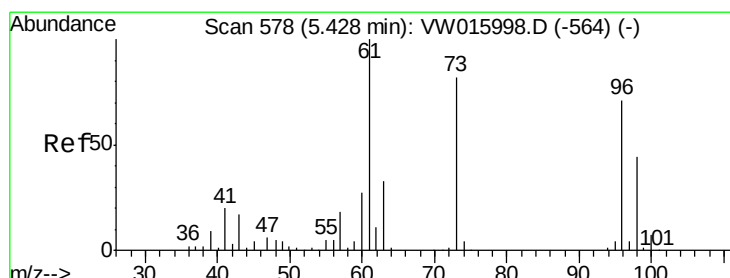
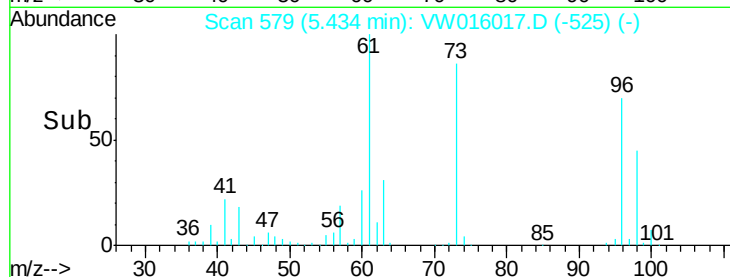
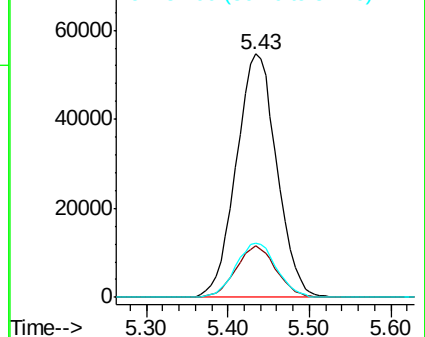
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 187605

Ion	Ratio	Lower	Upper
73	100		
43	20.8	18.4	27.6
57	22.7	17.8	26.8



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

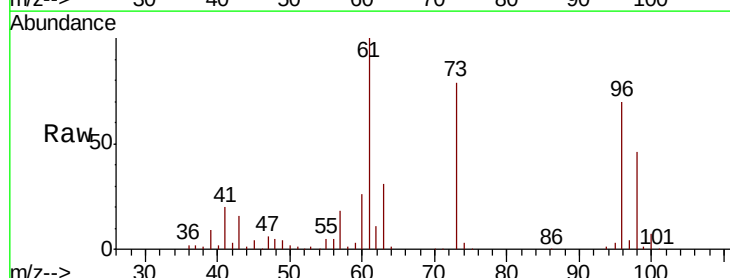


#18

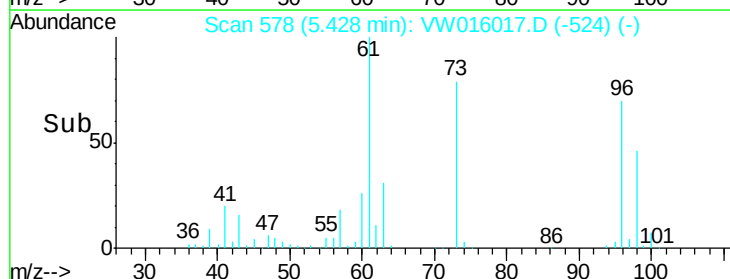
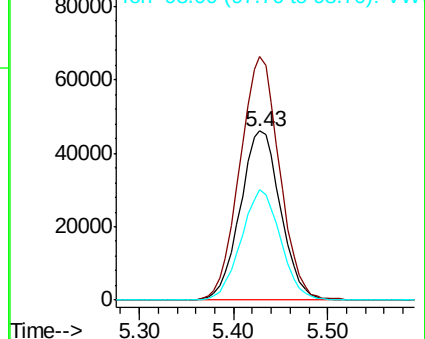
trans-1,2-Dichloroethene
 Concen: 24.163 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

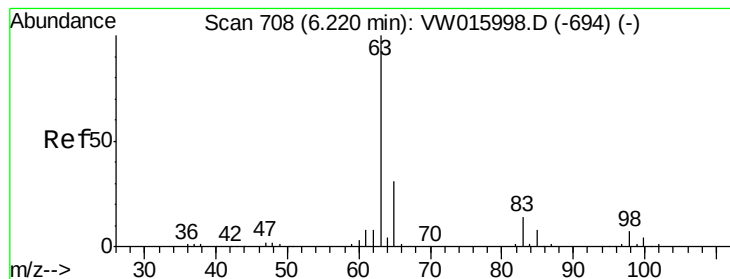
Tgt Ion: 96 Resp: 138308

Ion	Ratio	Lower	Upper
96	100		
61	143.8	99.3	184.5
98	65.5	42.9	79.7



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: 24.891 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampled :

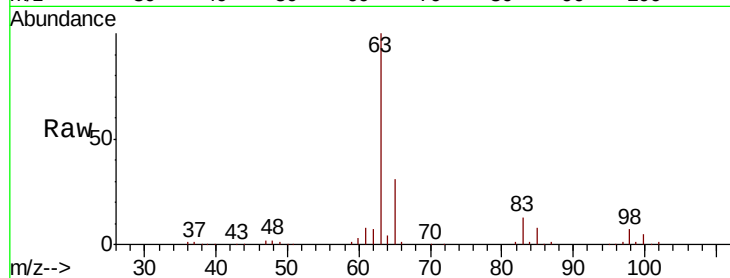
Tot Ion: 63 Resp: 262560

Ion Ratio Lower Upper

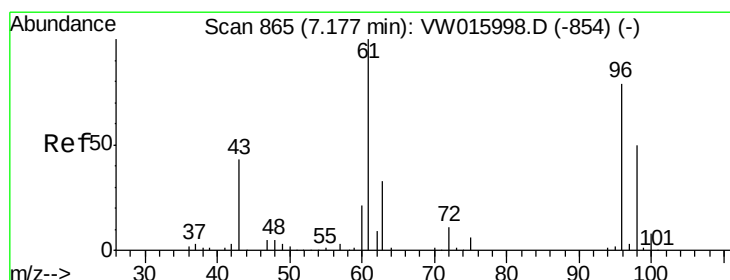
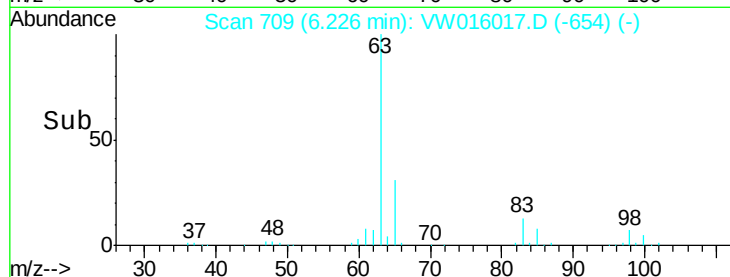
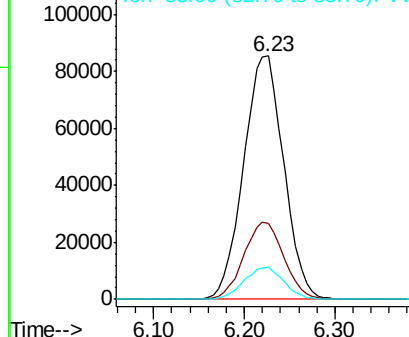
63 100

65 31.2 22.2 41.2

83 13.1 9.8 18.2



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



#21

2-Butanone

Concen: 47.491 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016017.D

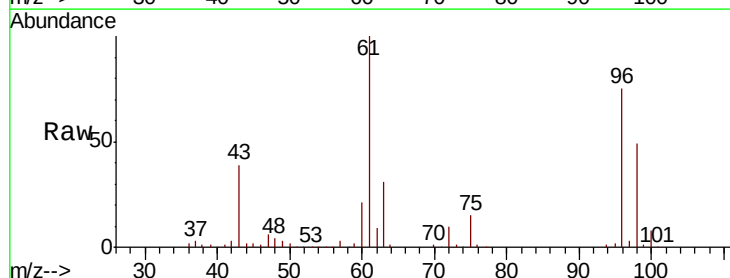
Acq: 30 Jul 2020 17:30

Tgt Ion: 43 Resp: 77083

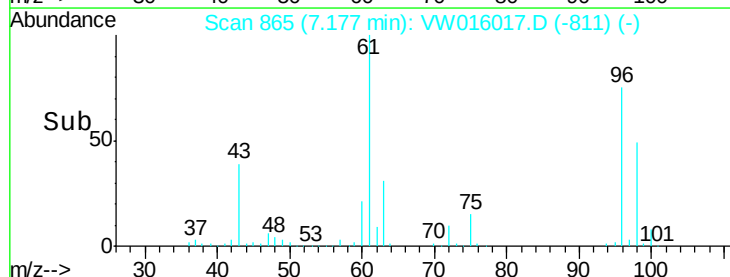
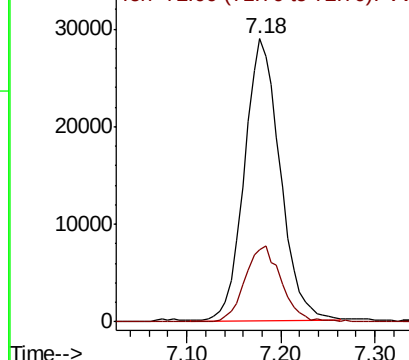
Ion Ratio Lower Upper

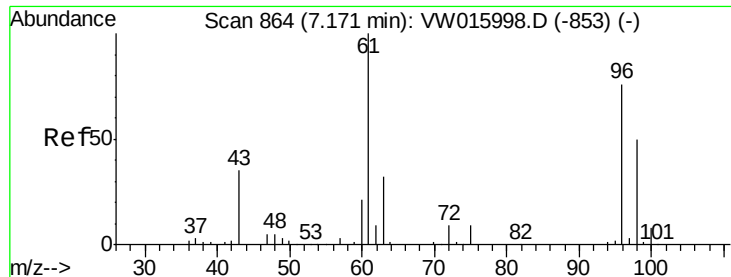
43 100

72 27.4 13.9 41.7



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



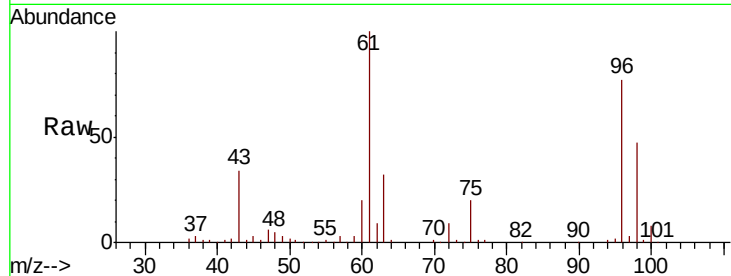


#22

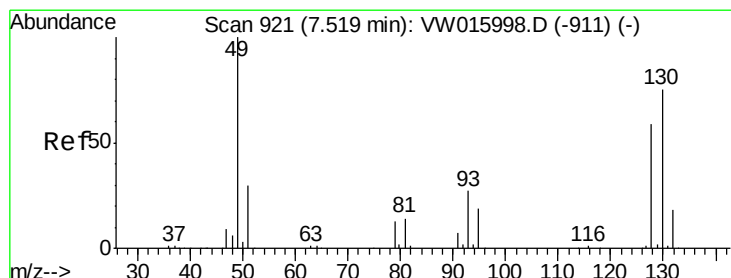
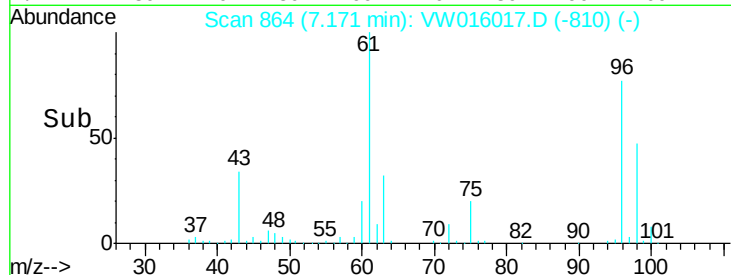
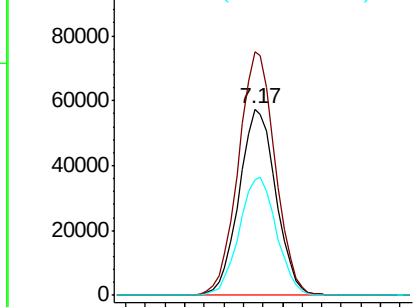
cis-1,2-Dichloroethene
Concen: 25.102 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 150332
Ion Ratio Lower Upper
96 100
61 130.5 94.6 175.8
98 61.8 44.3 82.3



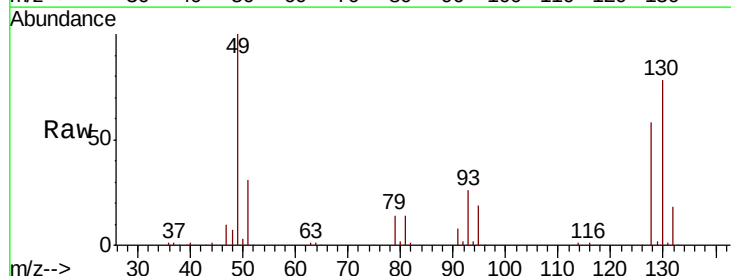
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



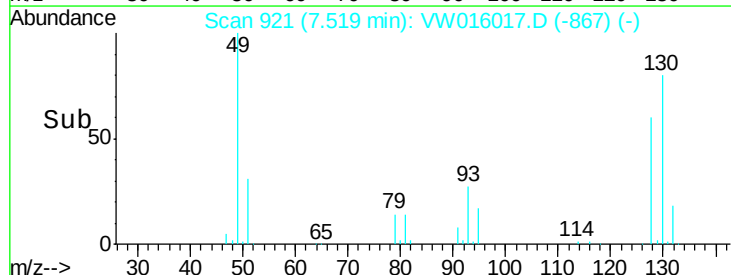
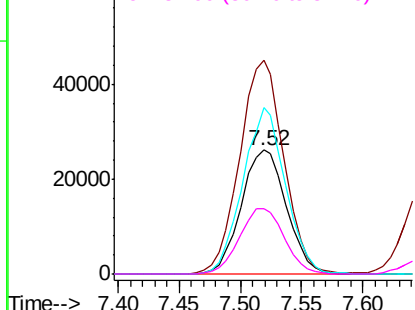
#23

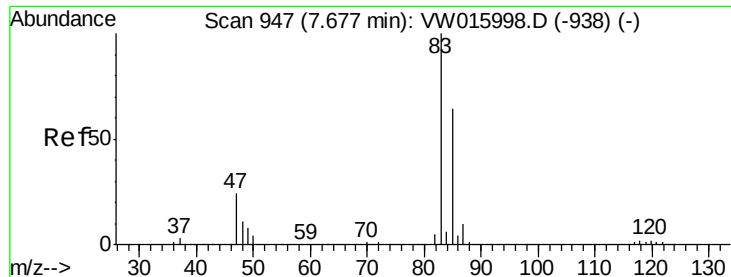
Bromochloromethane
Concen: 25.452 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion: 128 Resp: 66840
Ion Ratio Lower Upper
128 100
49 172.2 122.4 227.2
130 134.0 93.9 174.5
51 52.5 43.2 64.8



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

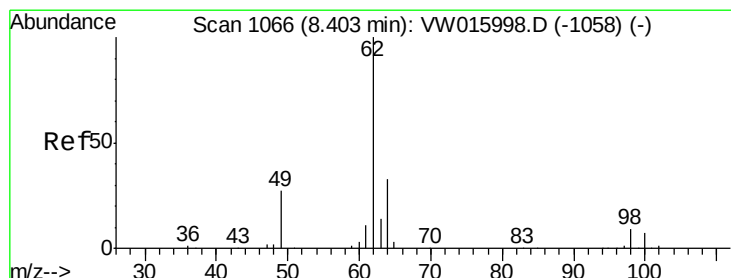
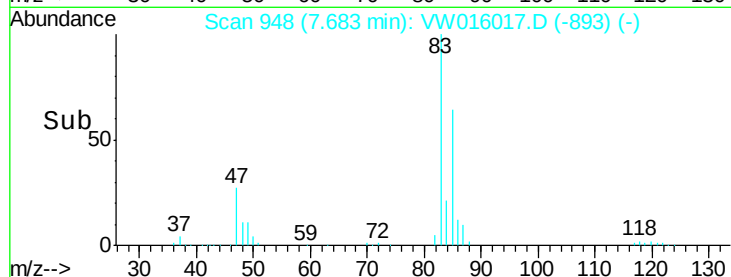
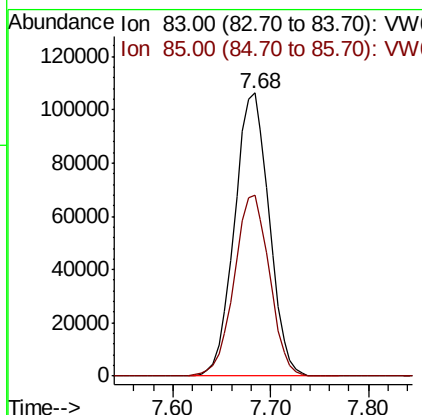
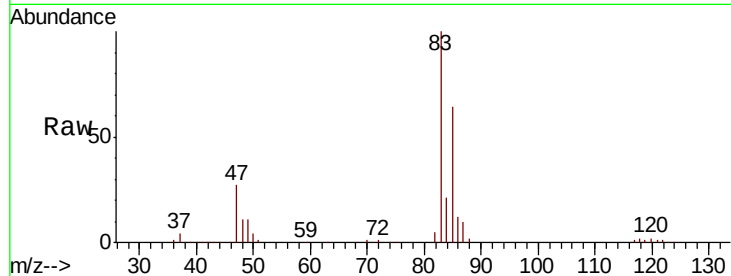




#25
Chloroform
Concen: 25.014 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

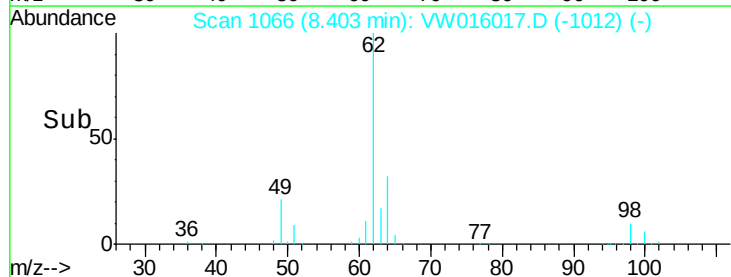
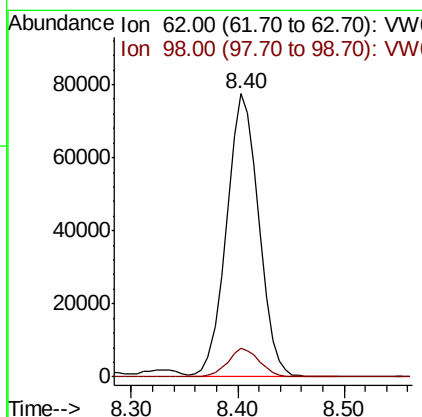
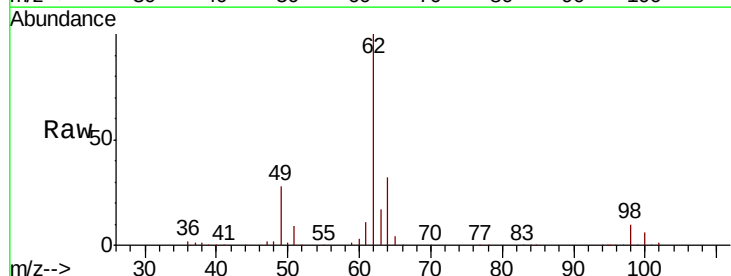
Instrument :
MSVOA_W
ClientSampleId :

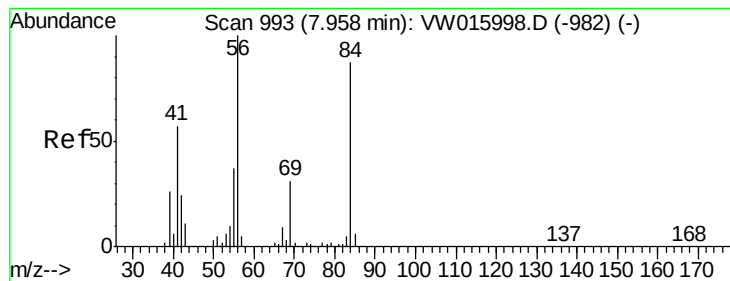
Tot Ion: 83 Resp: 261497
Ion Ratio Lower Upper
83 100
85 65.2 46.5 86.5



#27
1,2-Dichloroethane
Concen: 23.091 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion: 62 Resp: 164259
Ion Ratio Lower Upper
62 100
98 10.2 7.0 10.6





#30

Cyclohexane

Concen: 22.895 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :
MSVOA_W
ClientSampled :

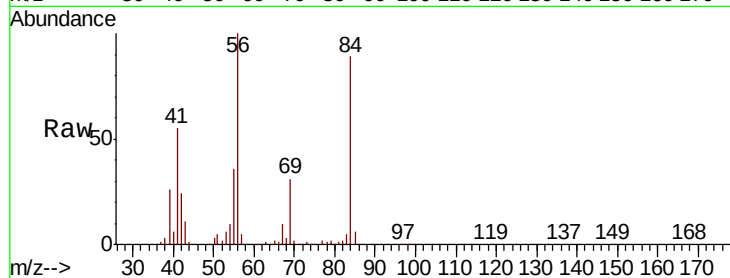
Tot Ion: 56 Resp: 226696

Ion Ratio Lower Upper

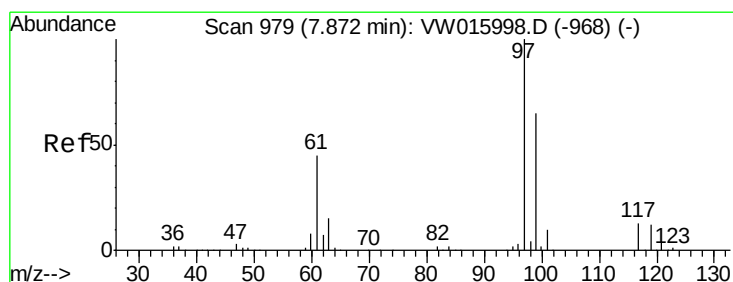
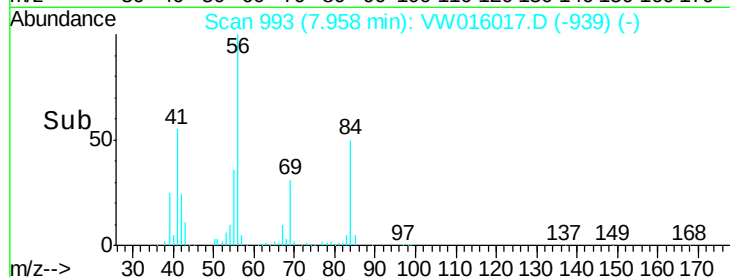
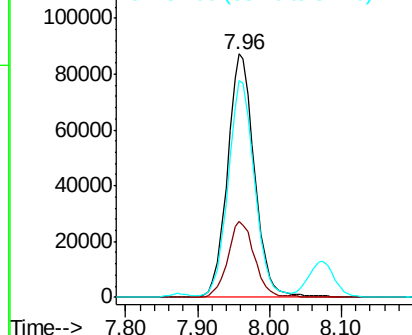
56 100

69 30.7 24.4 36.6

84 87.2 69.3 103.9



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: 23.227 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

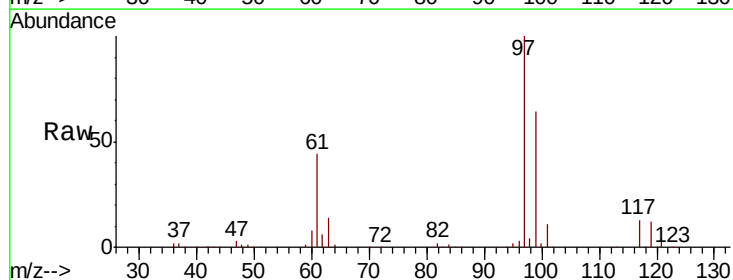
Tgt Ion: 97 Resp: 212970

Ion Ratio Lower Upper

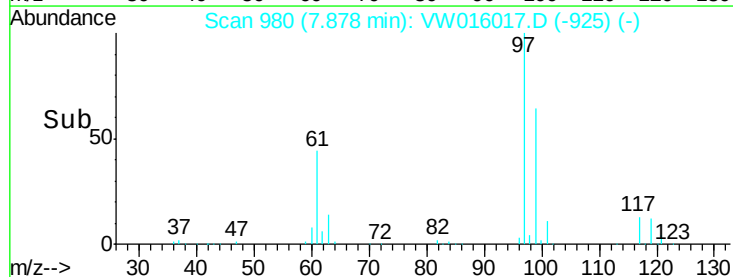
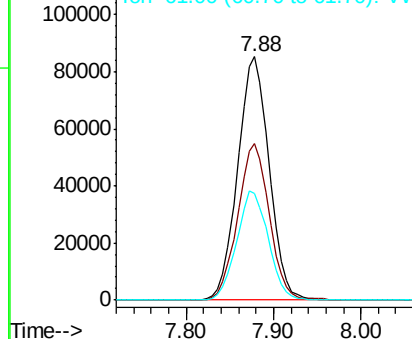
97 100

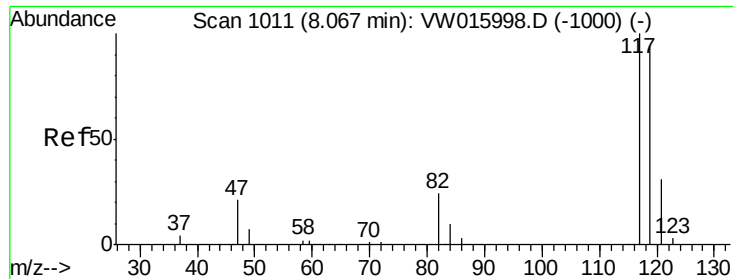
99 64.6 51.9 77.9

61 45.0 37.6 56.4



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: 22.940 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

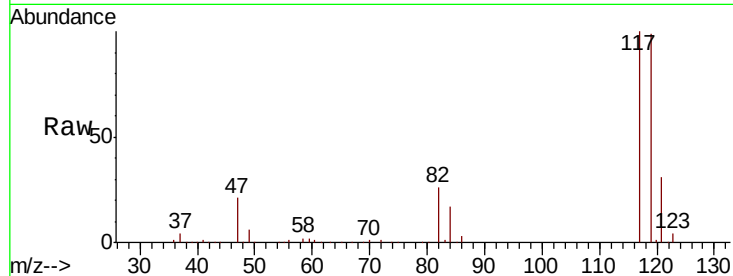
ClientSampleId :

Tot Ion:117 Resp: 190735

Ion Ratio Lower Upper

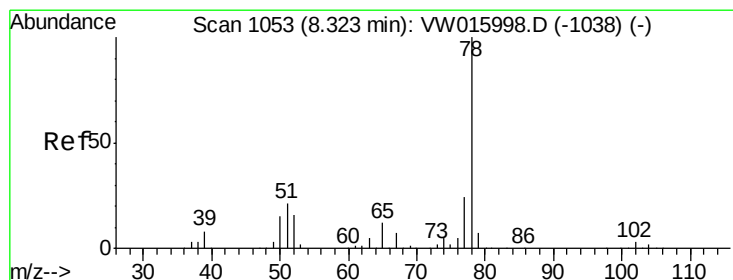
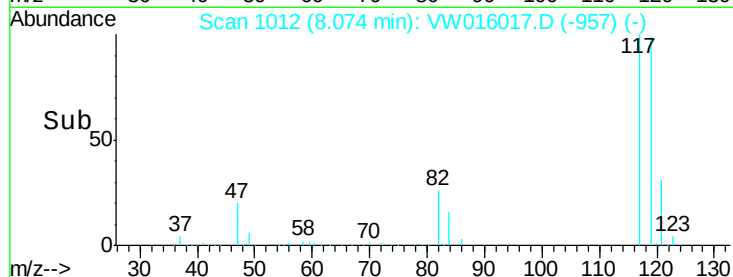
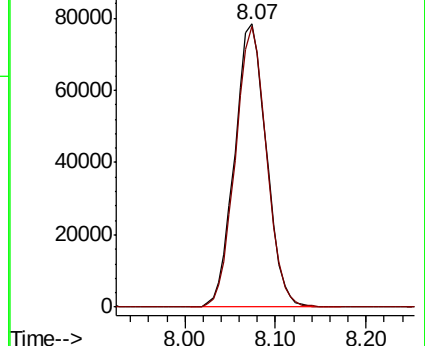
117 100

119 97.0 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: 24.601 ug/L

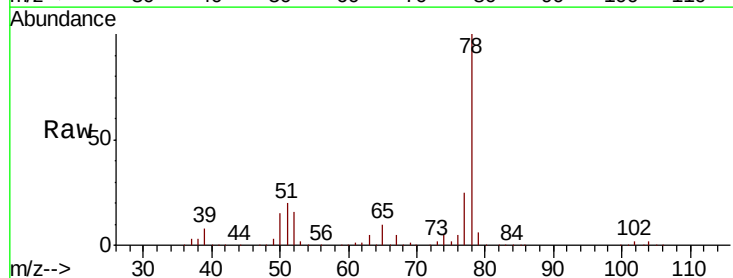
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

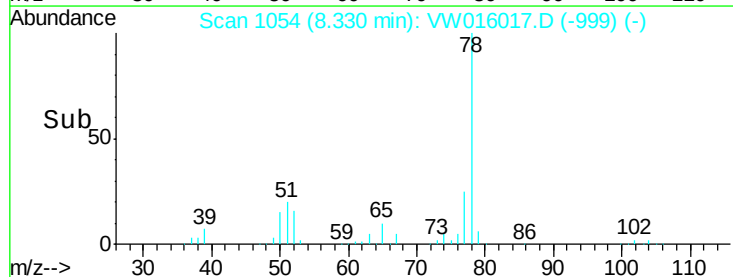
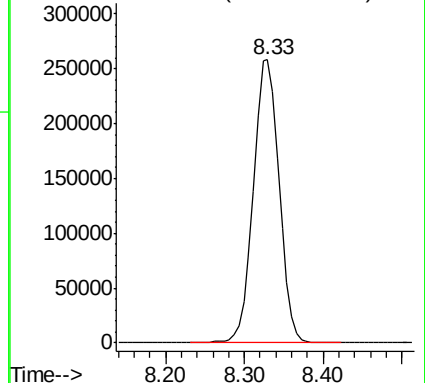
Lab File: VW016017.D

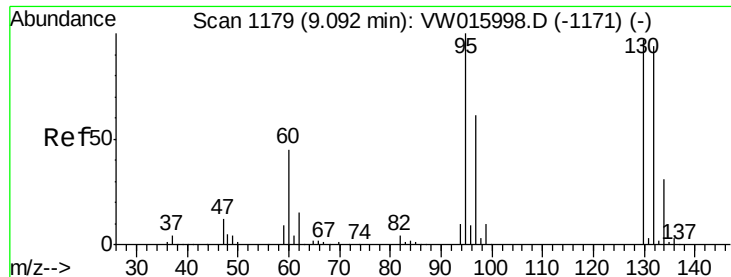
Acq: 30 Jul 2020 17:30

Tgt Ion: 78 Resp: 586731



Abundance Ion 78.00 (77.70 to 78.70): VW

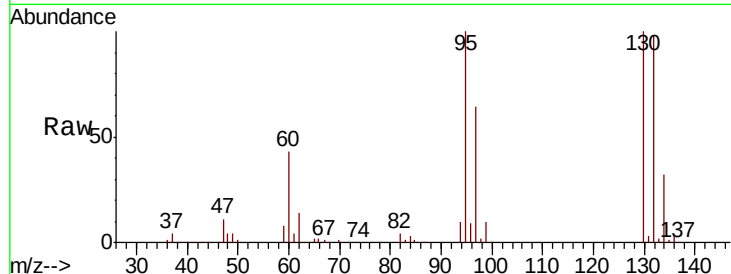




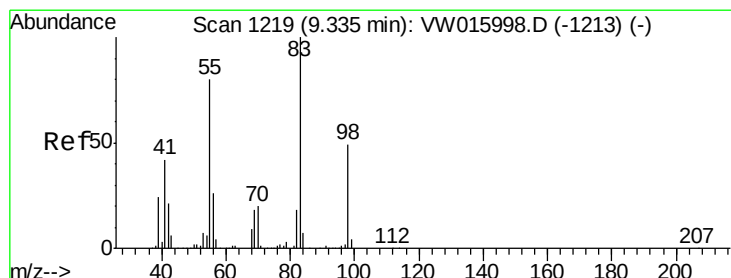
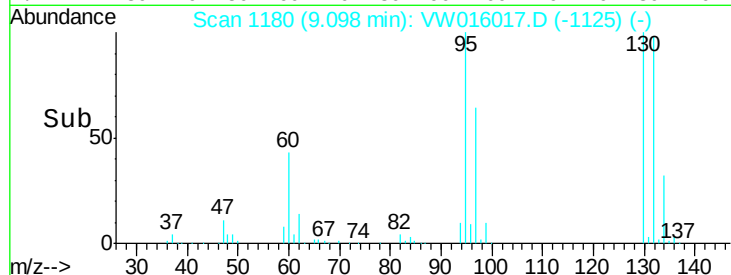
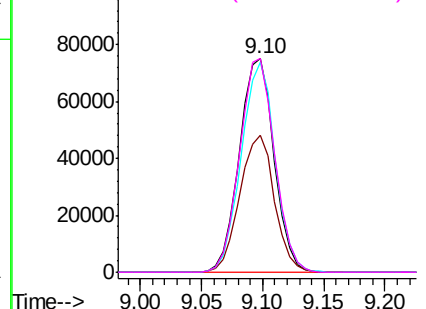
#35
 Trichloroethene
 Concen: 23.490 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 148197
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.4 82.4
 132 96.0 65.1 120.9
 130 100.6 68.6 127.4

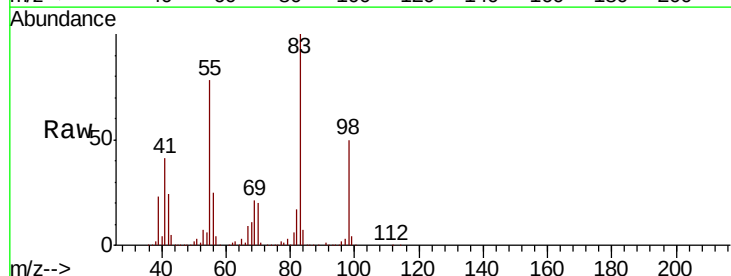


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

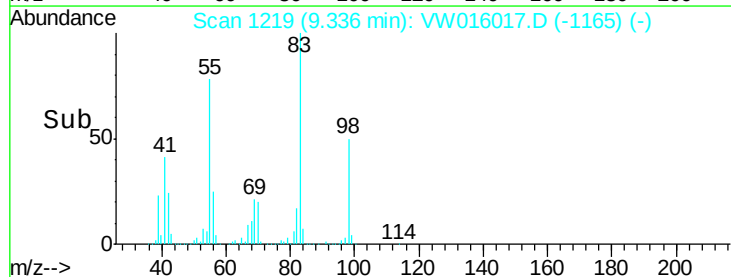
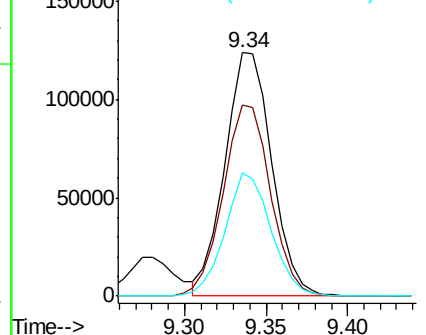


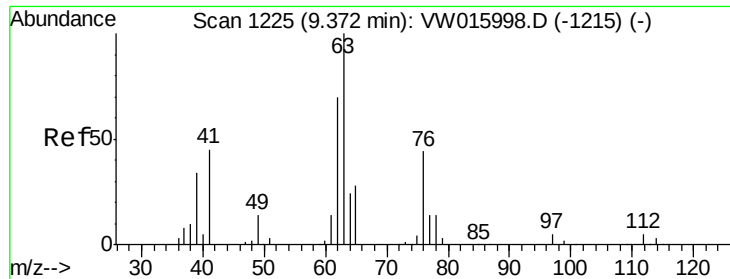
#36
 Methylcyclohexane
 Concen: 22.966 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion: 83 Resp: 248616
 Ion Ratio Lower Upper
 83 100
 55 79.5 63.5 95.3
 98 49.5 39.0 58.4



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

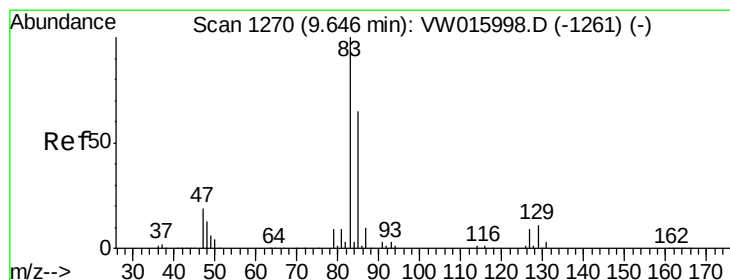
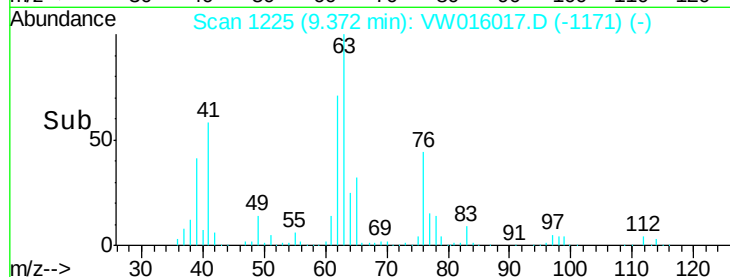
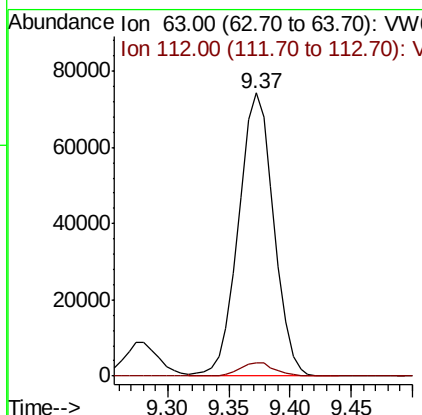
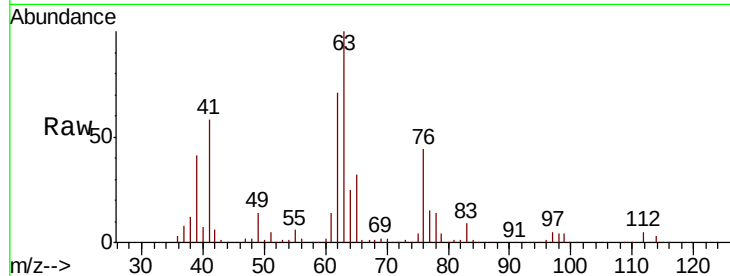




#40
 1,2-Dichloropropane
 Concen: 25.150 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

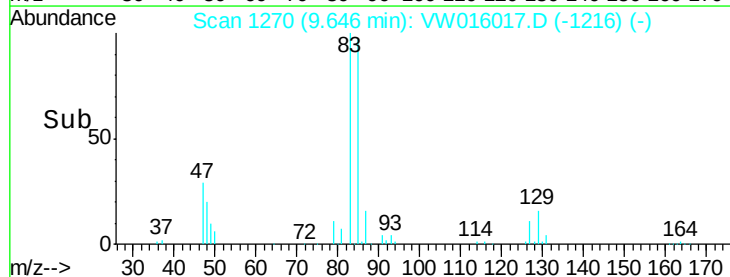
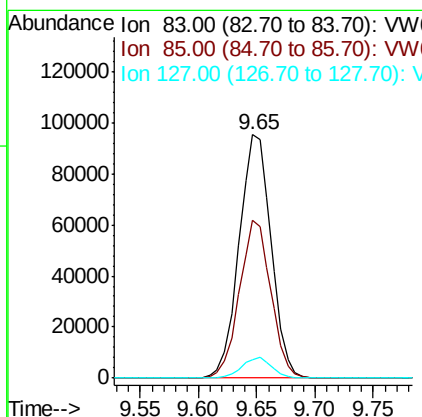
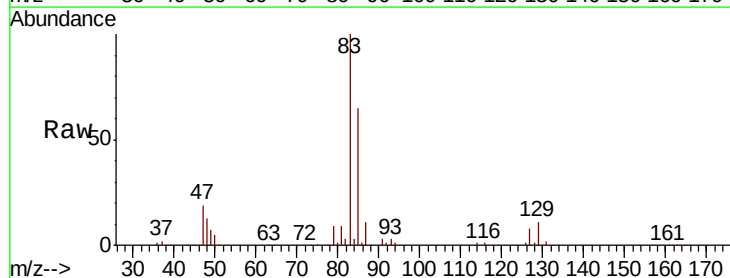
Instrument :
 MSVOA_W
 ClientSampleId :

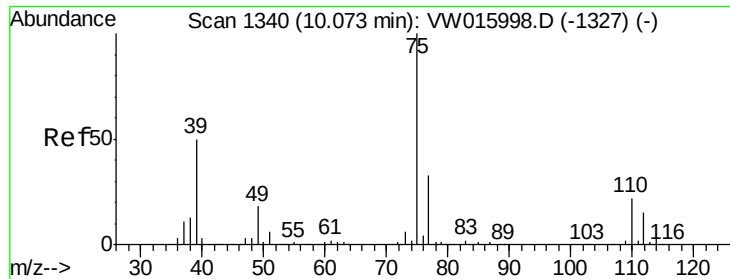
Tot Ion: 63 Resp: 148592
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.071 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion: 83 Resp: 183667
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.7 81.1
 127 7.6 6.5 9.7

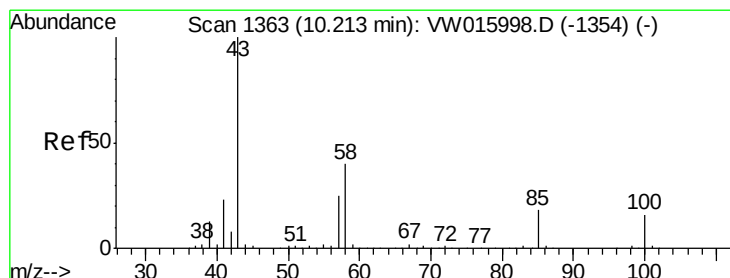
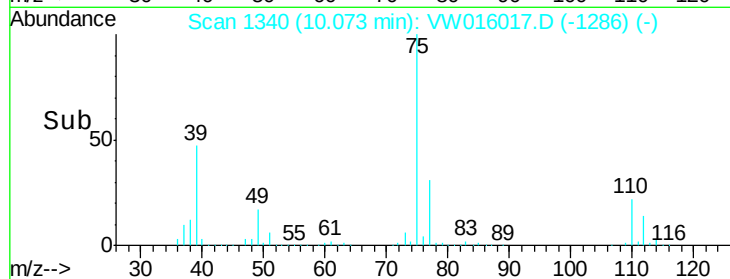
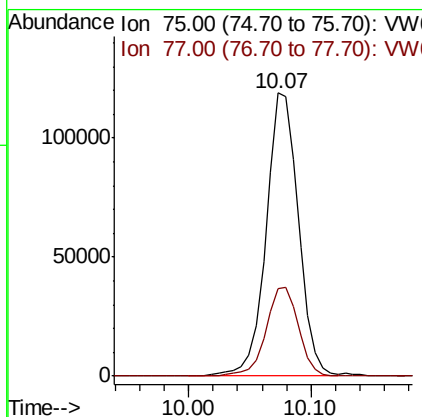
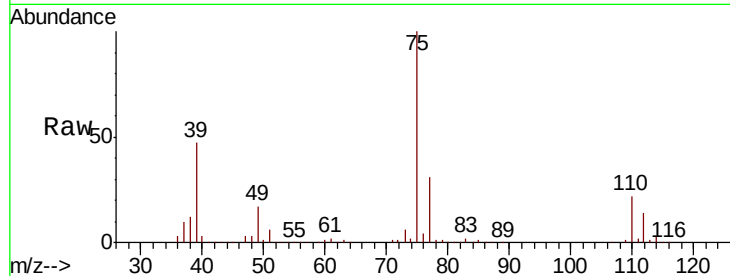




#42
 cis-1,3-Dichloropropene
 Concen: 24.230 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

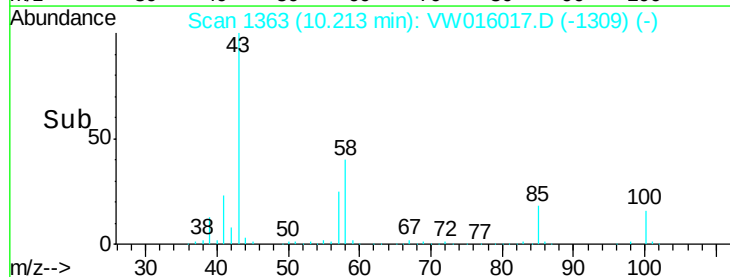
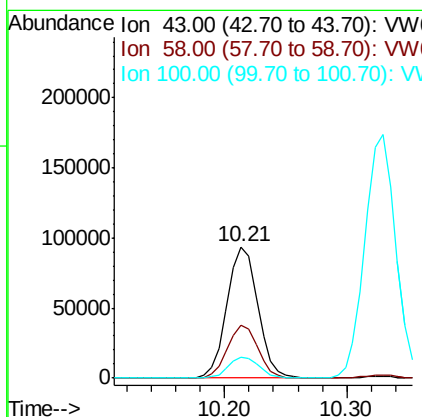
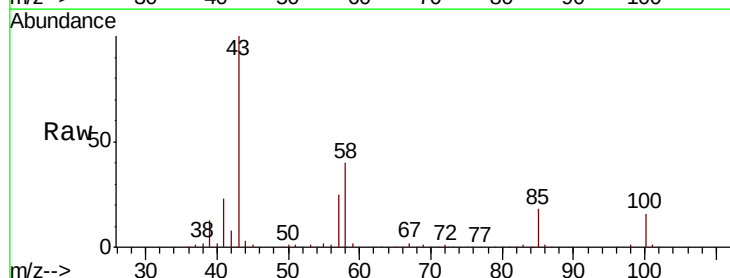
Instrument :
 MSVOA_W
 ClientSampleId :

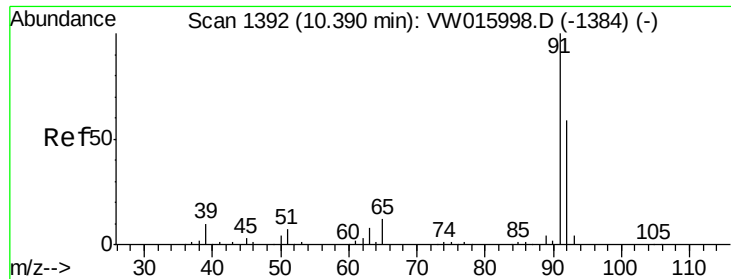
Tot Ion: 75 Resp: 218037
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 47.514 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion: 43 Resp: 163859
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.0 46.4
 100 16.0 12.6 19.0





#44

Toluene

Concen: 24.958 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

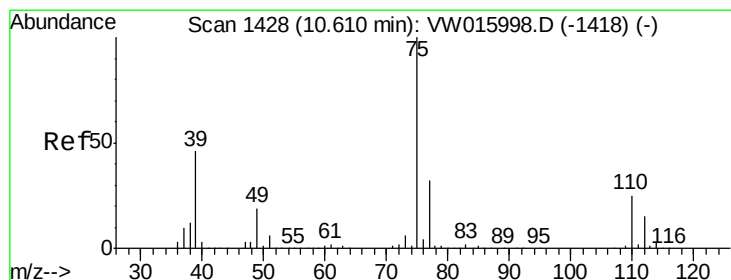
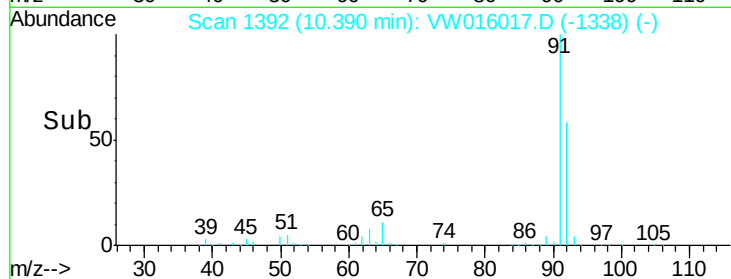
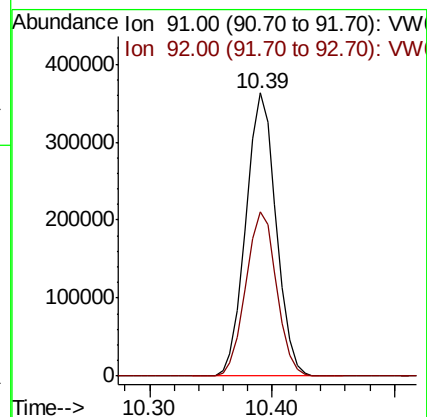
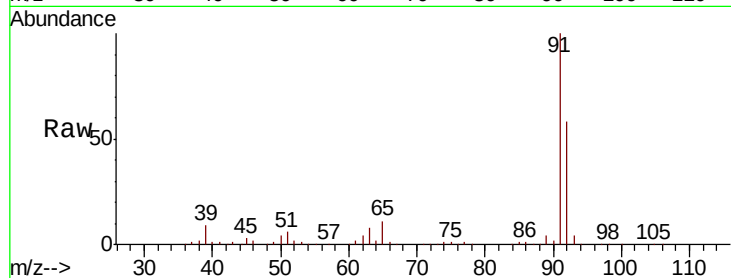
ClientSampleId :

Tot Ion: 91 Resp: 624303

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.058 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016017.D

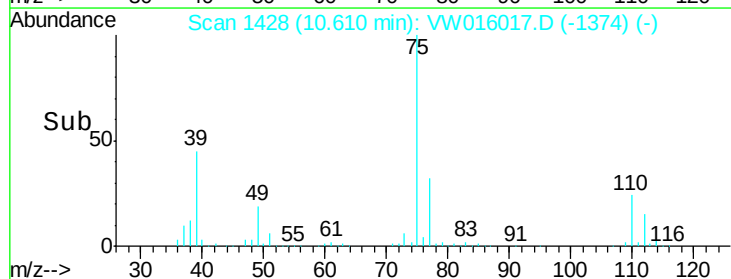
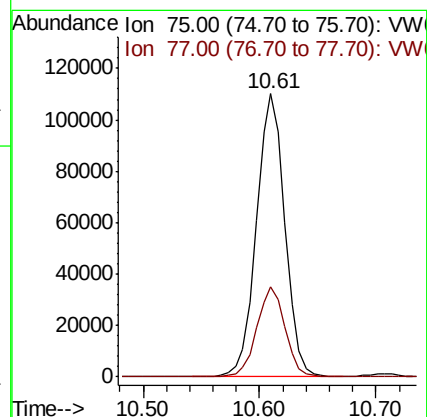
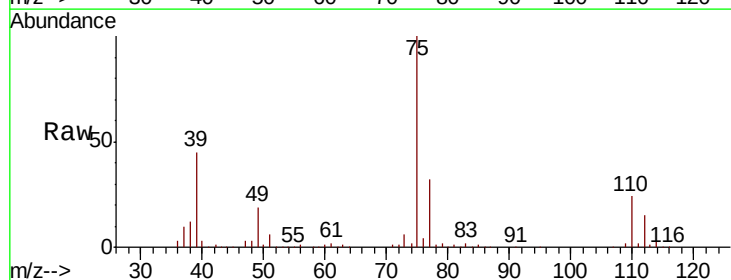
Acq: 30 Jul 2020 17:30

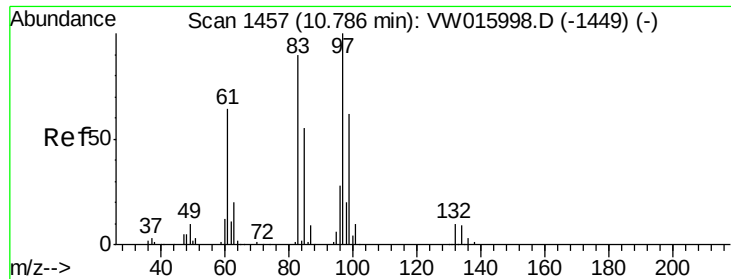
Tgt Ion: 75 Resp: 187646

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9

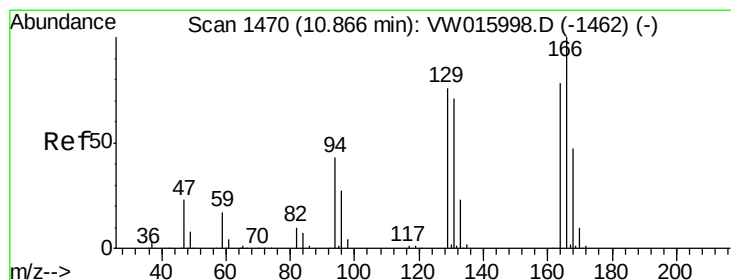
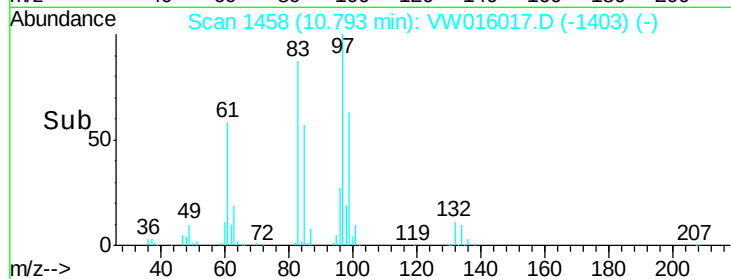
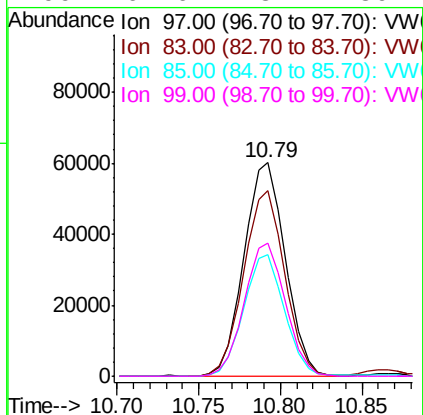
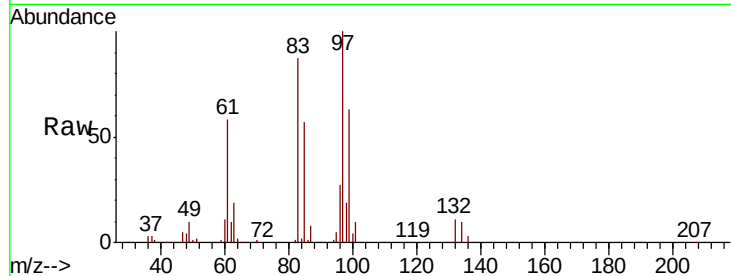




#46
 1,1,2-Trichloroethane
 Concen: 24.978 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

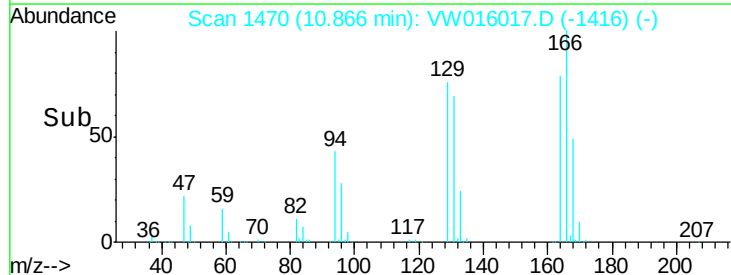
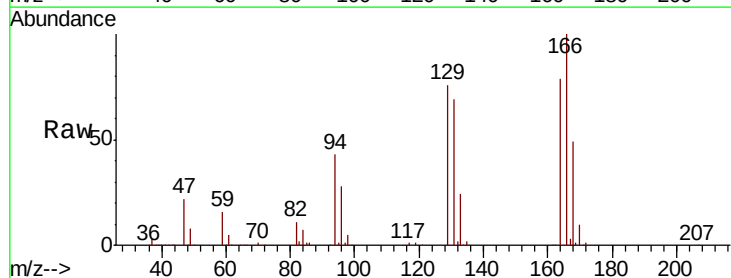
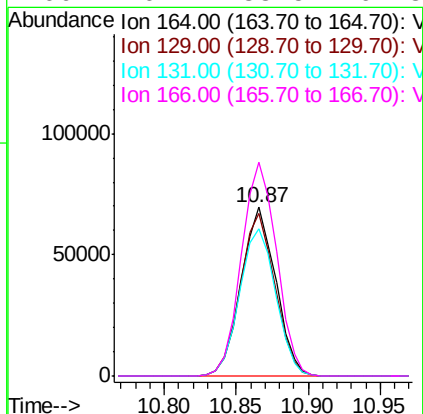
Instrument :
 MSVOA_W
 ClientSampleId :

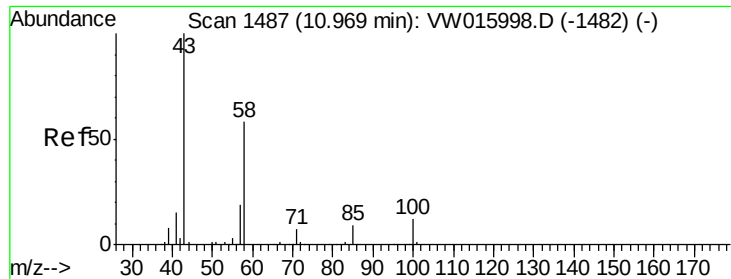
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	60.6	112.6
85	56.9	38.9	72.2
99	62.6	43.1	80.1



#47
 Tetrachloroethene
 Concen: 23.666 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
129	96.1	70.0	130.0
131	87.3	67.3	124.9
166	126.7	88.5	164.3





#49

2-Hexanone

Concen: 46.915 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 114815

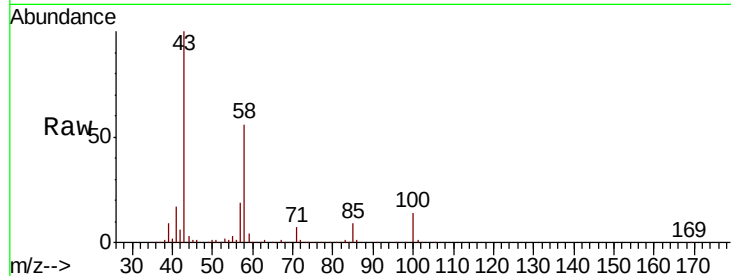
Ion Ratio Lower Upper

43 100

58 56.0 42.4 63.6

57 19.4 15.6 23.4

100 13.0 9.8 14.6



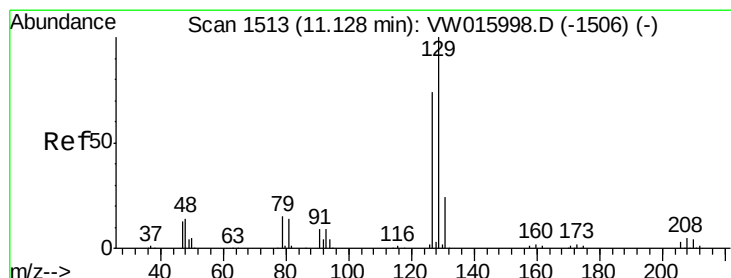
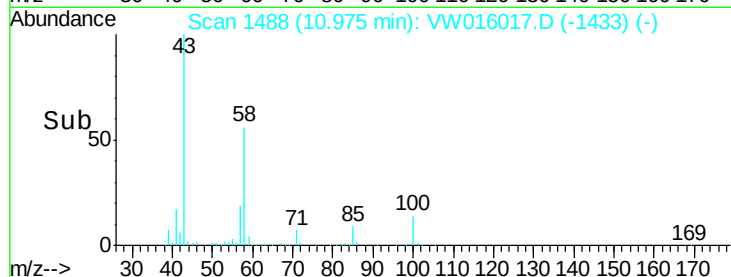
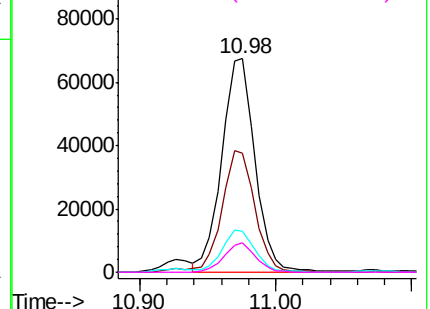
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.359 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016017.D

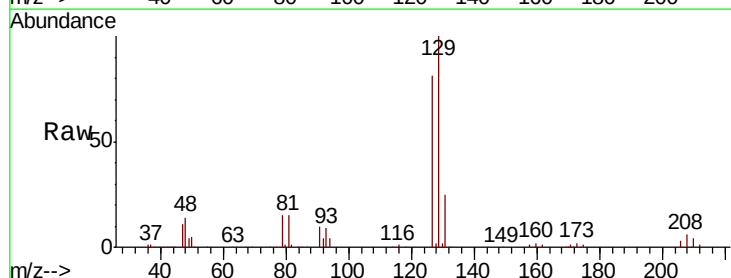
Acq: 30 Jul 2020 17:30

Tgt Ion: 129 Resp: 119822

Ion Ratio Lower Upper

129 100

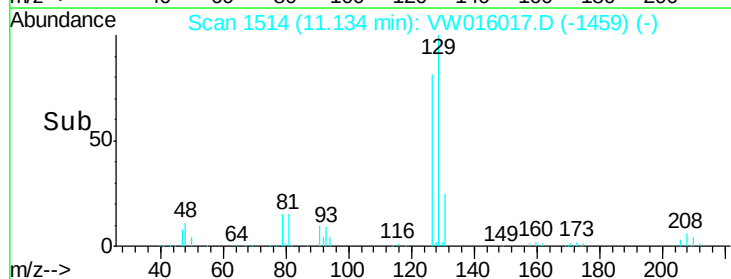
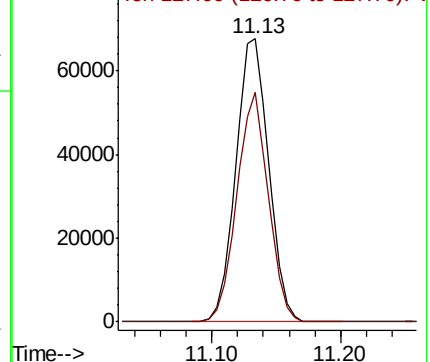
127 81.2 53.8 100.0

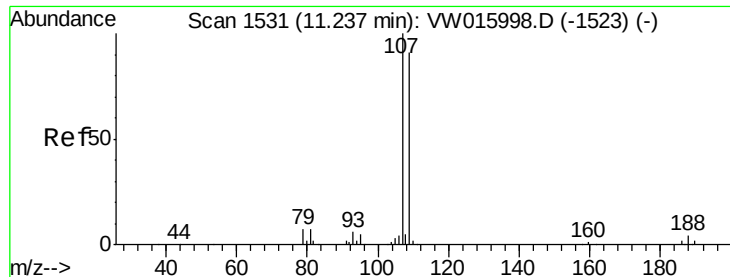


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

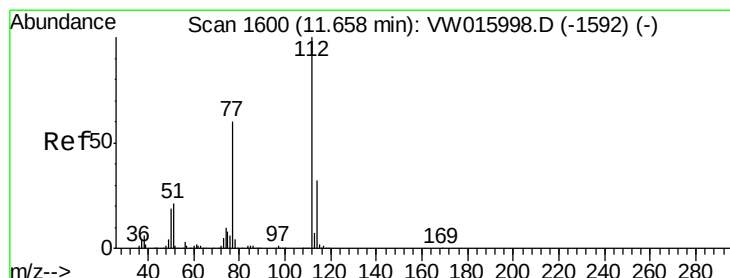
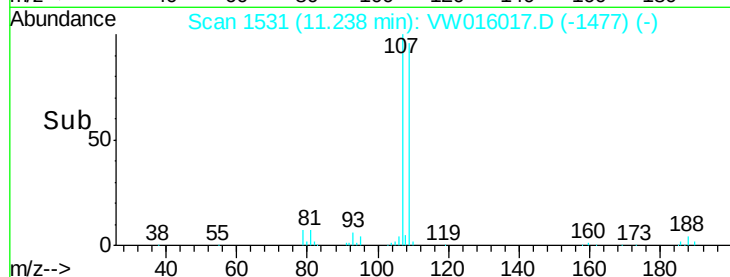
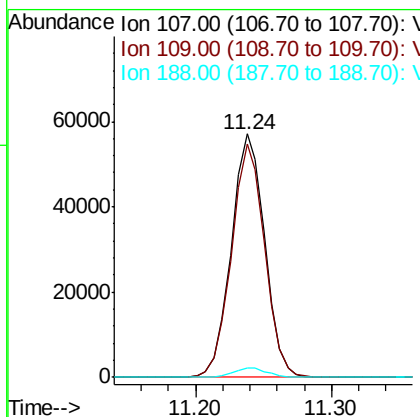
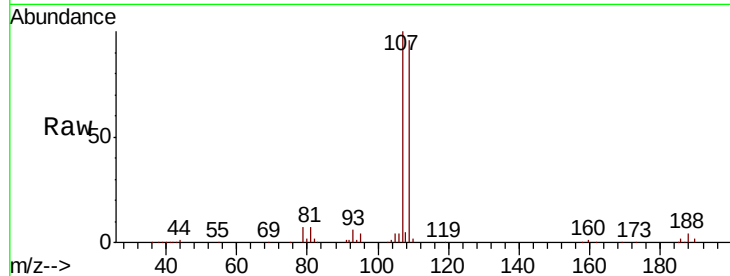




#51
1,2-Dibromoethane
Concen: 23.936 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

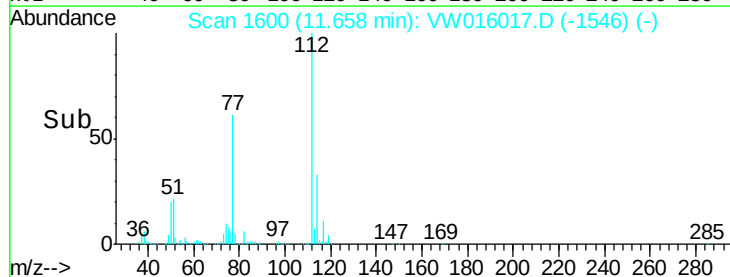
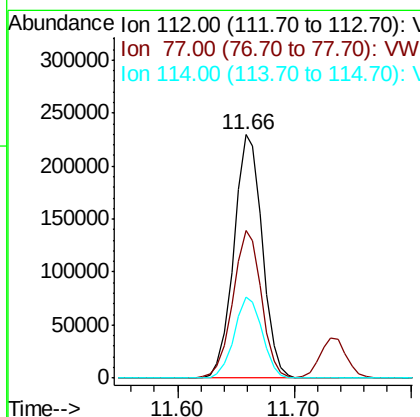
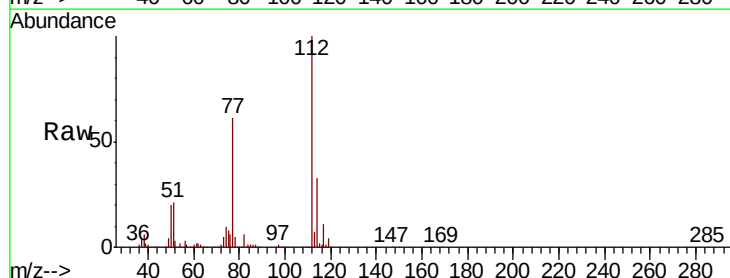
Instrument :
MSVOA_W
ClientSampleId :

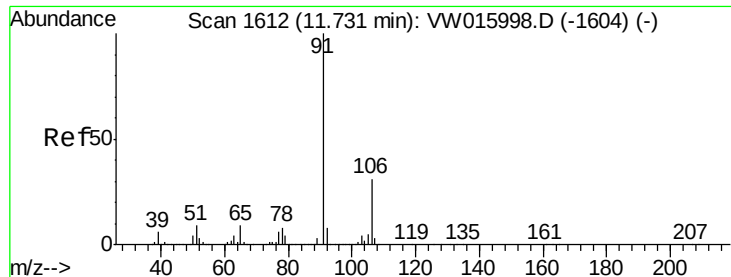
Tot Ion	107	Resp	97288
Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.9	124.3
188	3.9	3.2	4.8



#52
Chlorobenzene
Concen: 24.242 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion	112	Resp	388560
Ion	Ratio	Lower	Upper
112	100		
77	60.6	47.8	71.6
114	33.3	22.1	41.1

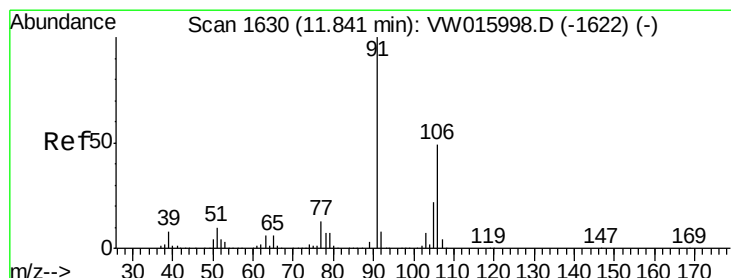
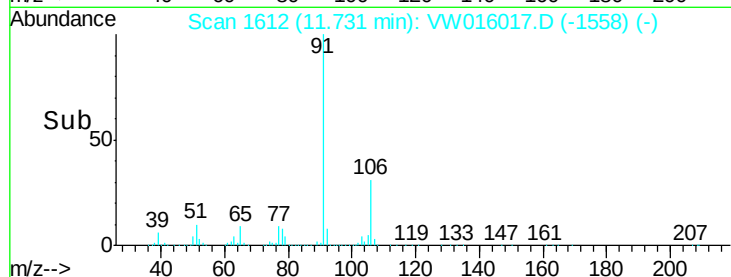
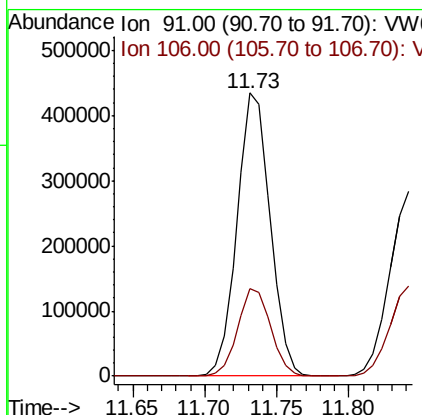
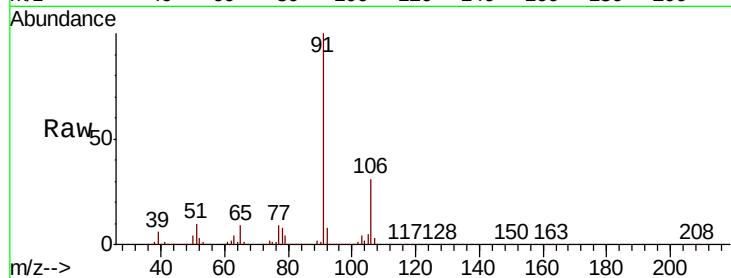




#53
Ethylbenzene
Concen: 24.707 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

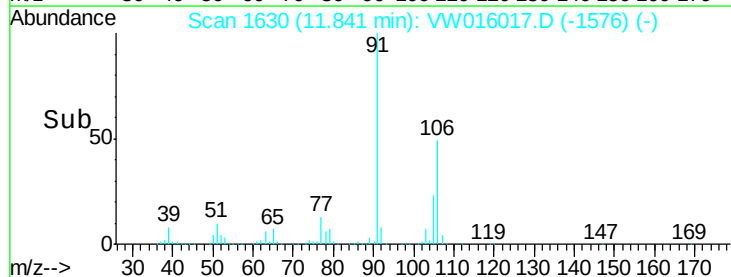
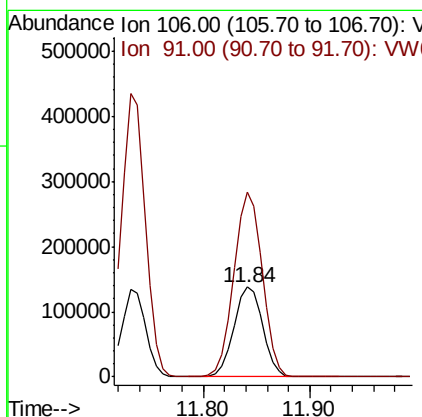
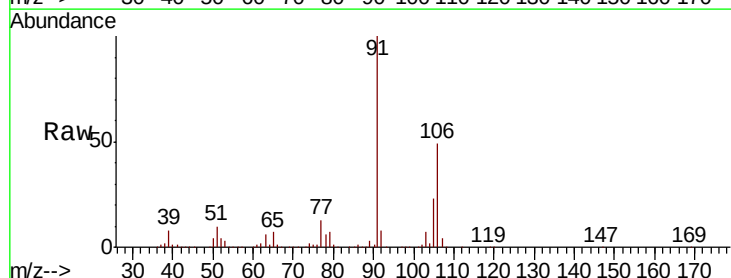
Instrument :
MSVOA_W
ClientSampled :

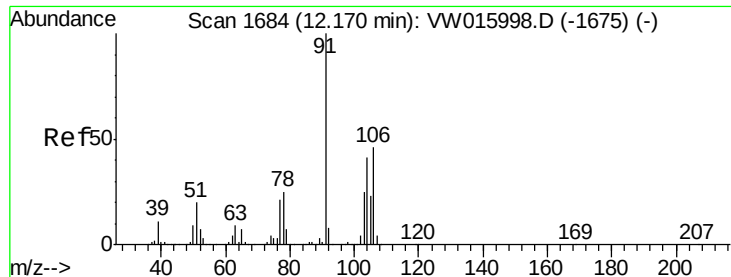
Tot Ion: 91 Resp: 694954
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#54
m,p-Xylene
Concen: 24.960 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion: 106 Resp: 262670
Ion Ratio Lower Upper
106 100
91 206.1 144.1 267.5

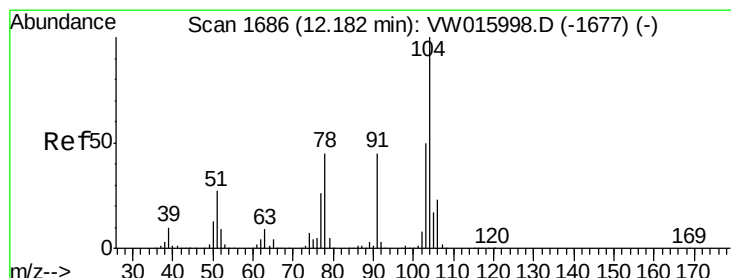
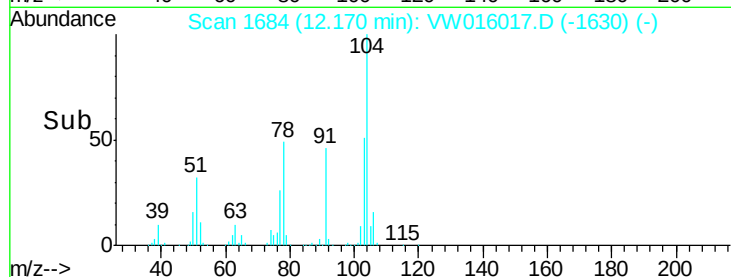
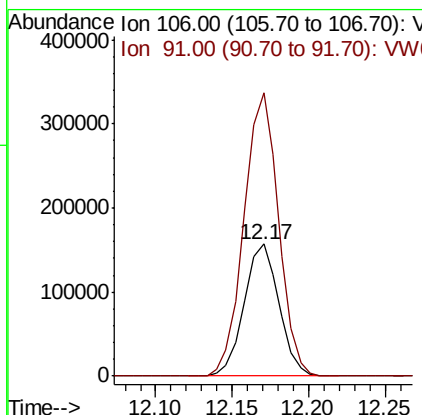
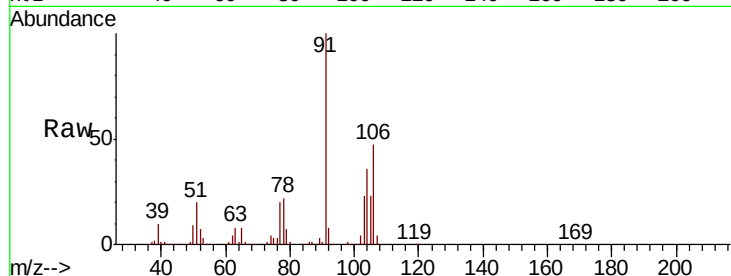




#55
o-xylene
Concen: 24.987 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

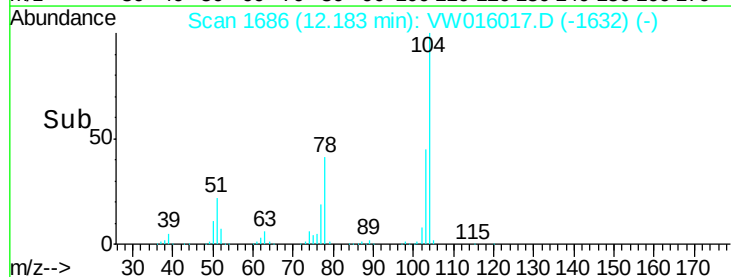
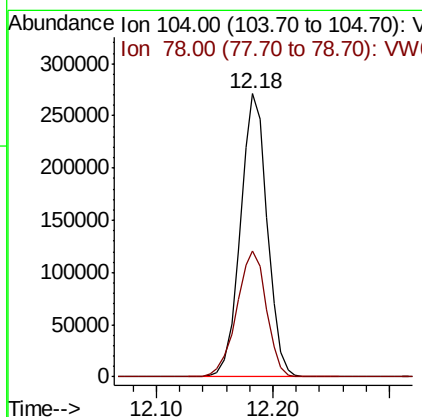
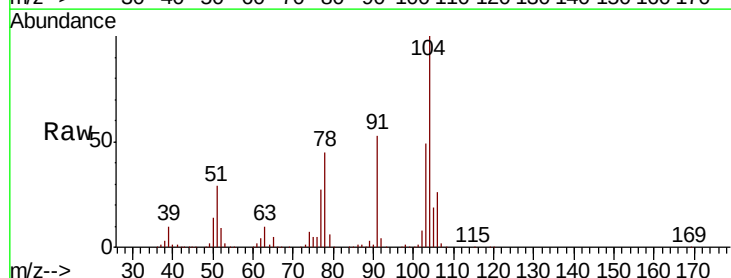
Instrument :
MSVOA_W
ClientSampled :

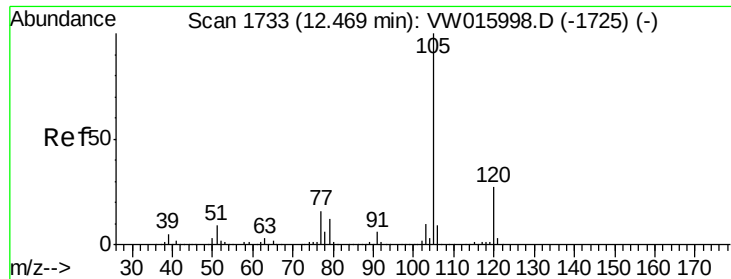
Tot Ion:106 Resp: 247603
Ion Ratio Lower Upper
106 100
91 214.7 146.8 272.6



#56
Styrene
Concen: 25.836 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016017.D
Acq: 30 Jul 2020 17:30

Tgt Ion:104 Resp: 435380
Ion Ratio Lower Upper
104 100
78 44.7 32.0 59.4





#57

Isopropylbenzene

Concen: 25.365 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

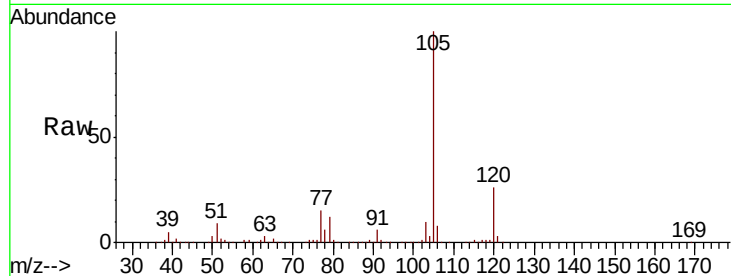
Tot Ion:105 Resp: 684207

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

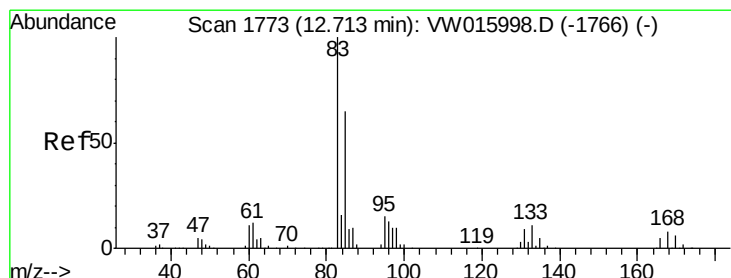
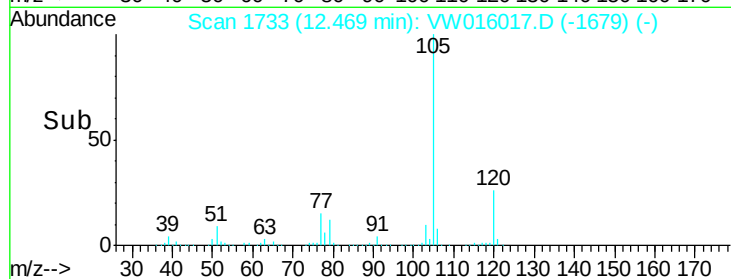
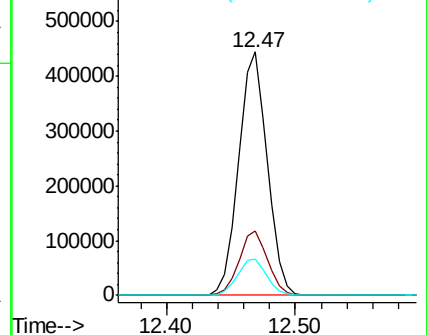
77 15.2 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.718 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

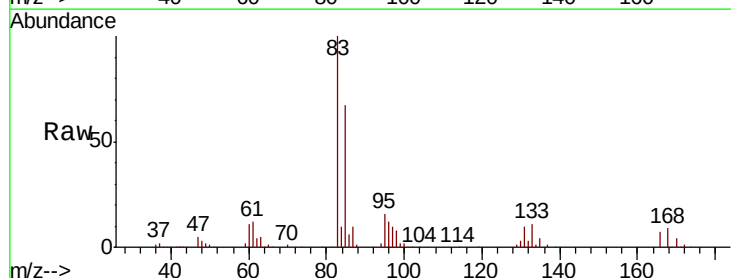
Tgt Ion: 83 Resp: 123320

Ion Ratio Lower Upper

83 100

85 66.9 45.1 83.7

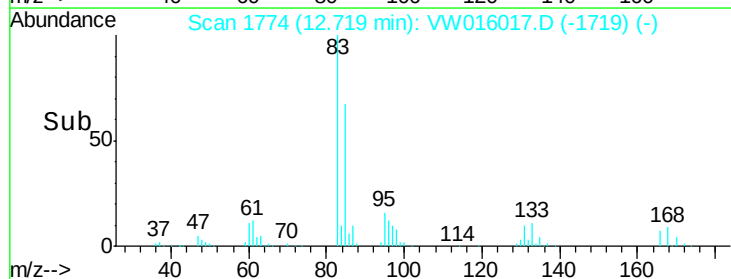
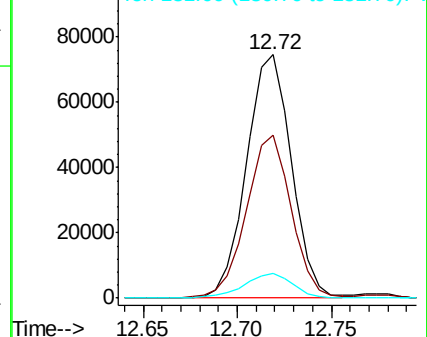
131 10.0 8.2 12.4

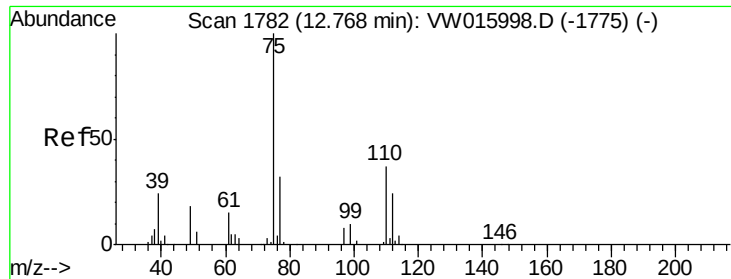


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

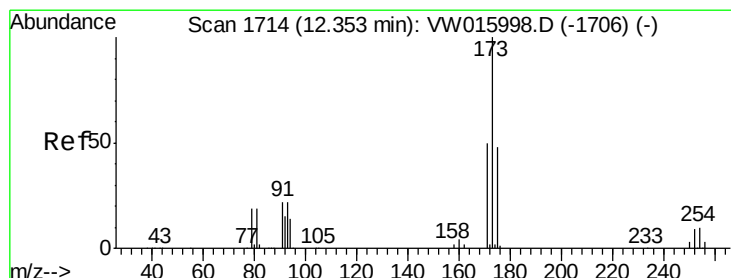
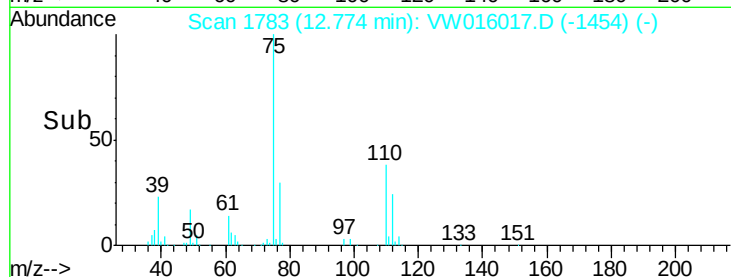
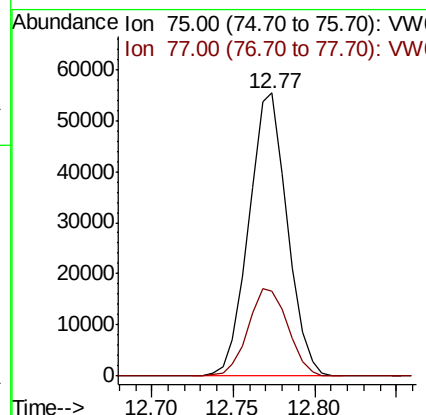
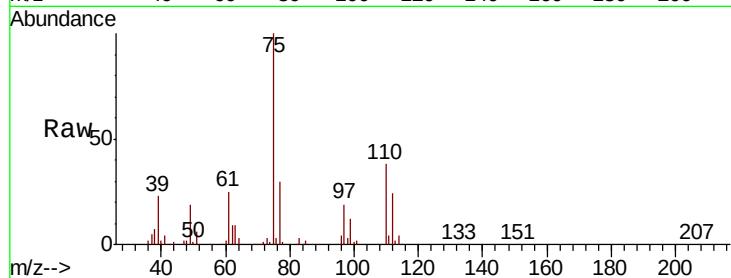




#59
 1,2,3-Trichloropropane
 Concen: 24.287 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

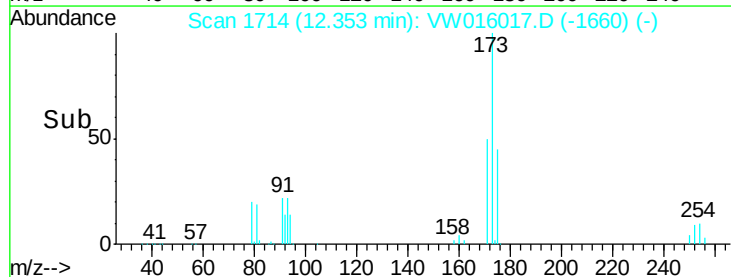
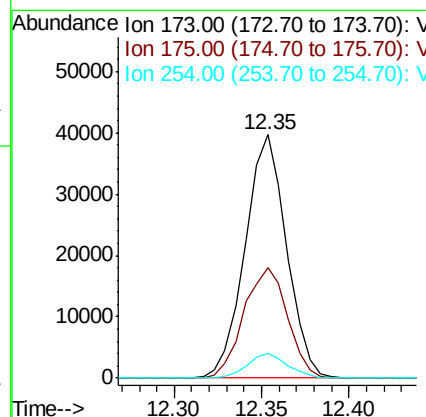
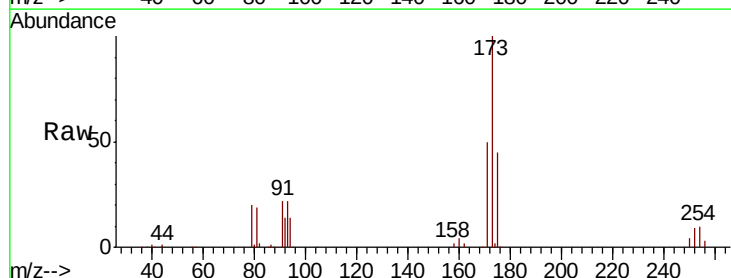
Instrument :
 MSVOA_W
 ClientSampleId :

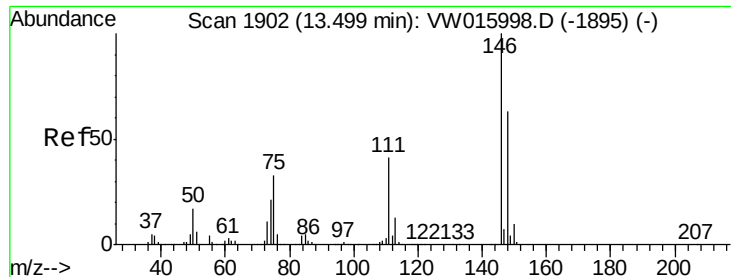
Tot Ion: 75 Resp: 90786
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0



#62
 Bromoform
 Concen: 23.565 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion: 173 Resp: 65318
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 9.8 7.9 11.9





#63

1,3-Dichlorobenzene

Concen: 24.239 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016017.D

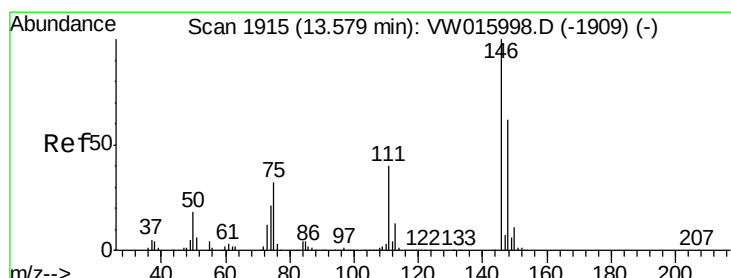
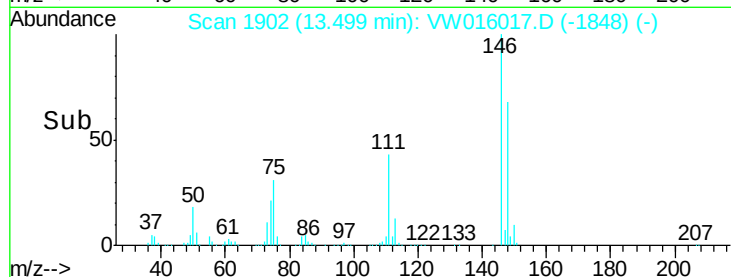
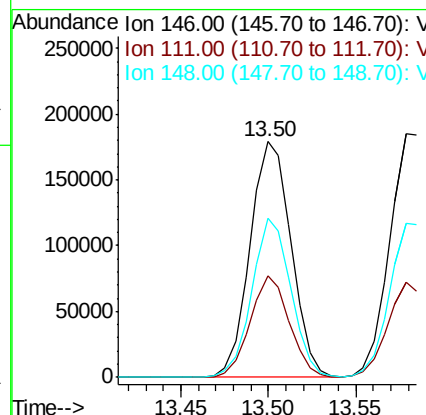
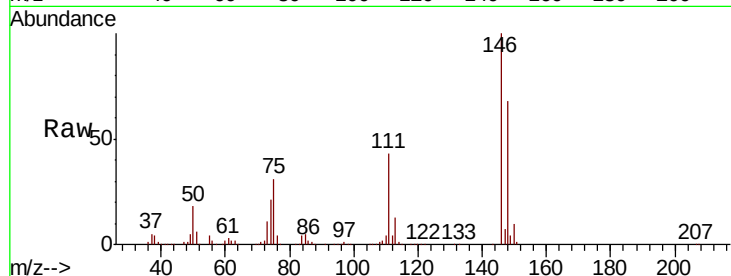
Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146	Resp:	292310
Ion	Ratio	Lower Upper
146	100	
111	43.0	27.9 51.7
148	67.5	43.2 80.2



#64

1,4-Dichlorobenzene

Concen: 24.313 ug/L

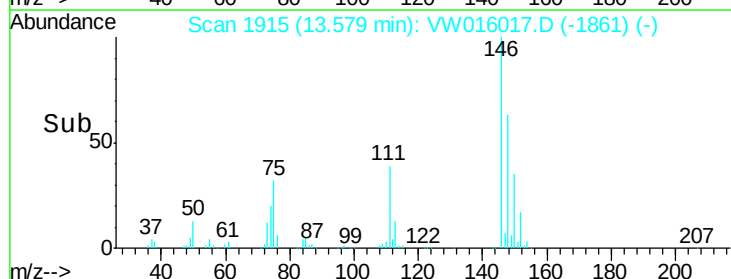
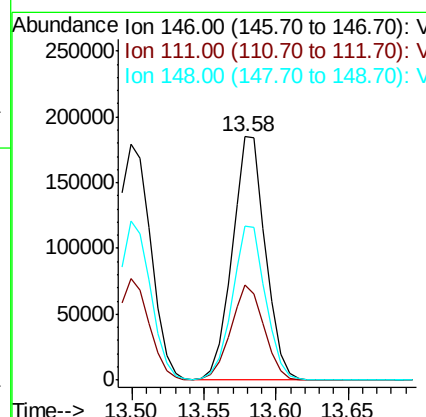
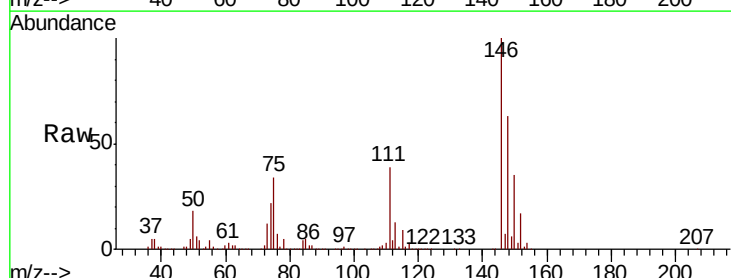
RT: 13.58 min Scan# 1915

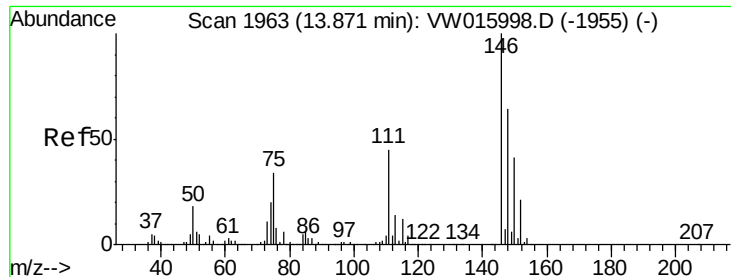
Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Tgt Ion:146	Resp:	297572
Ion	Ratio	Lower Upper
146	100	
111	38.9	29.3 54.3
148	63.3	44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 24.554 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampled :

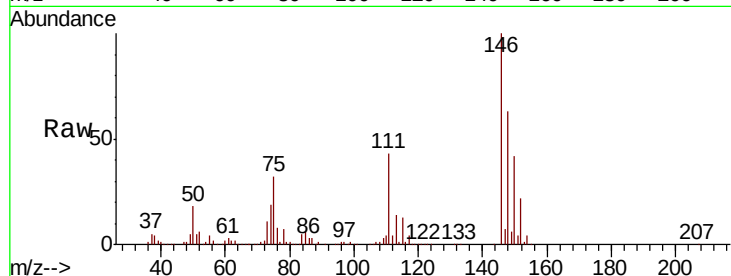
Tot Ion:146 Resp: 268959

Ion Ratio Lower Upper

146 100

111 42.7 32.9 49.3

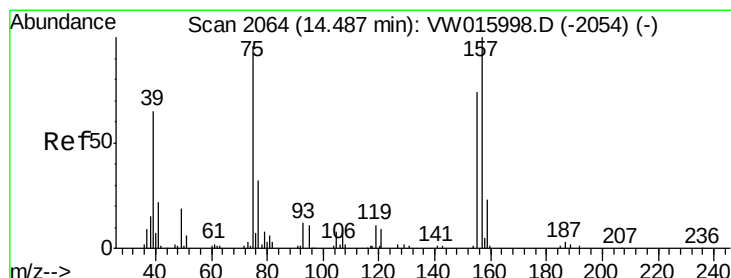
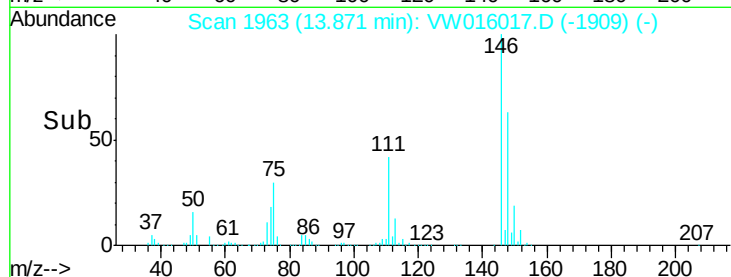
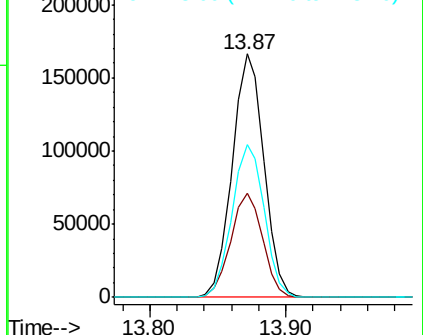
148 62.9 48.8 73.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.930 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

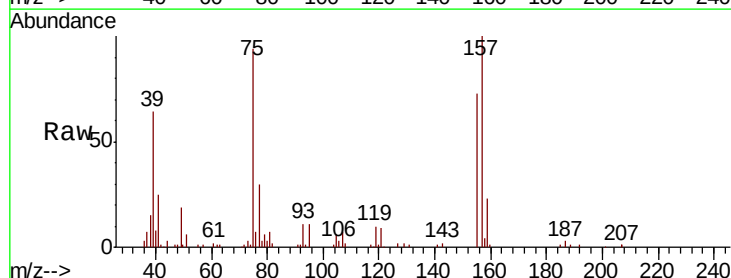
Tgt Ion: 75 Resp: 18905

Ion Ratio Lower Upper

75 100

157 106.3 83.0 124.4

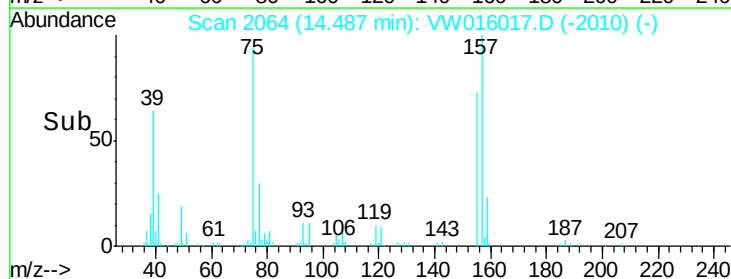
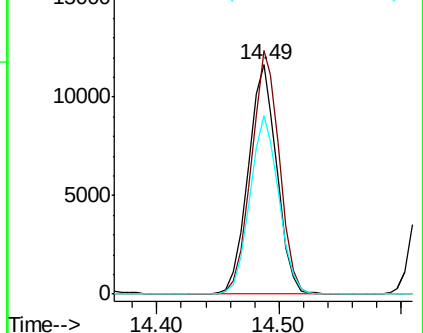
155 77.9 66.9 100.3

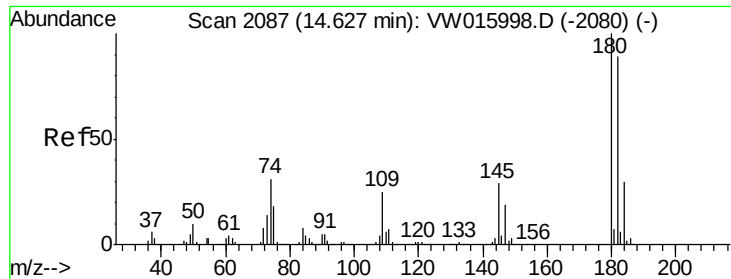


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

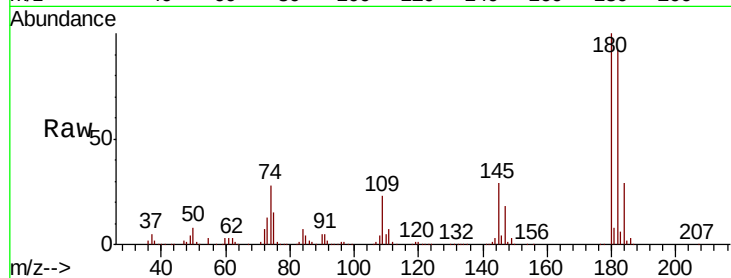




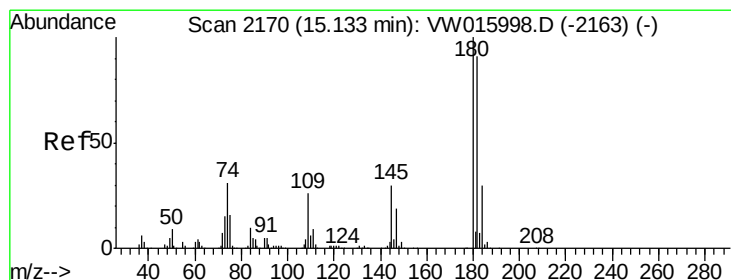
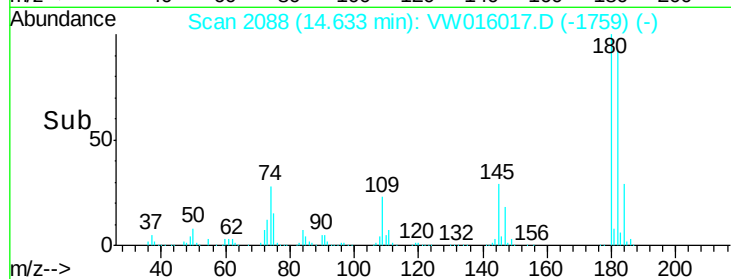
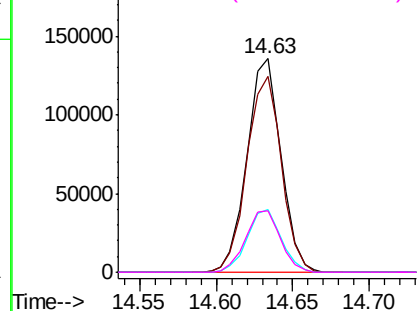
#67
 1,3,5-Trichlorobenzene
 Concen: 24.681 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	209281
Ion Ratio	Lower	Upper
180	100	
182	93.5	75.4 113.0
184	29.4	24.6 37.0
145	29.7	24.1 36.1

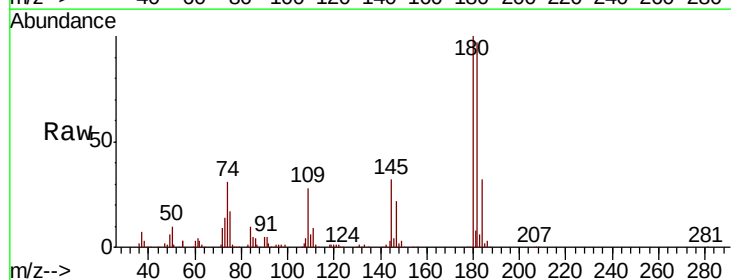


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

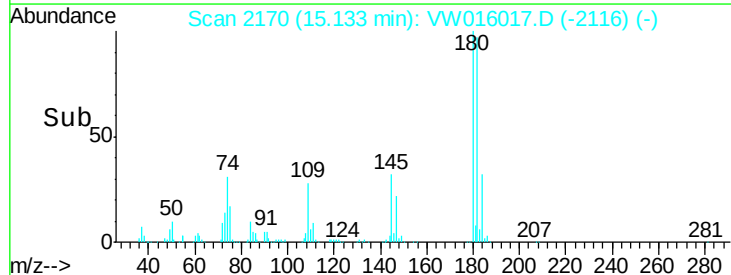
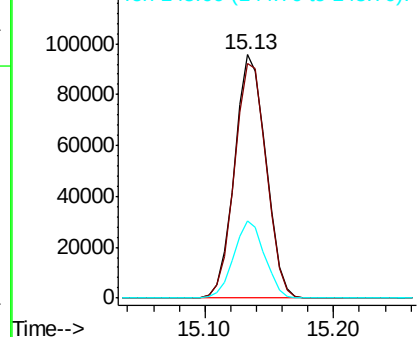


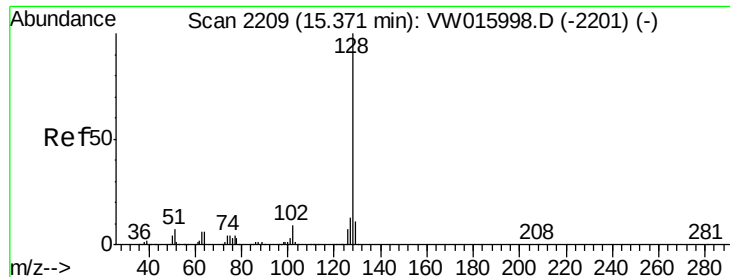
#68
 1,2,4-trichlorobenzene
 Concen: 24.153 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016017.D
 Acq: 30 Jul 2020 17:30

Tgt Ion:180	Resp:	162672
Ion Ratio	Lower	Upper
180	100	
182	97.4	76.0 114.0
145	31.0	24.3 36.5



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: 24.067 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

Instrument :

MSVOA_W

ClientSampleId :

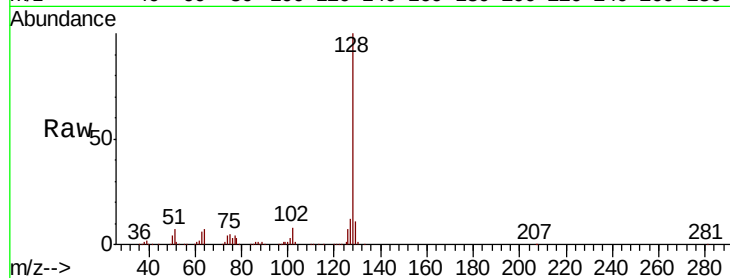
Tot Ion:128 Resp: 305375

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

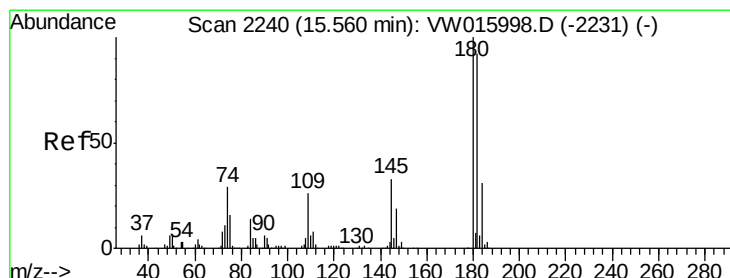
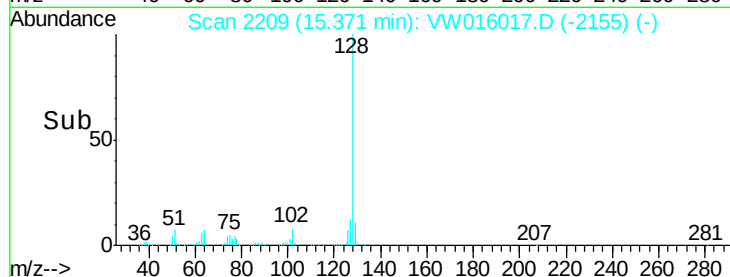
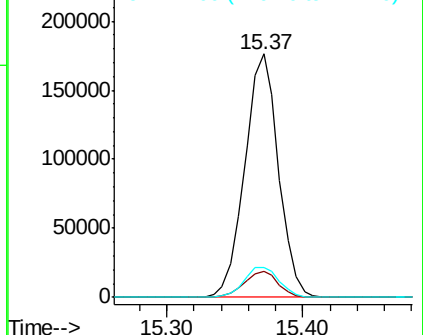
127 12.9 10.5 15.7



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: 24.605 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016017.D

Acq: 30 Jul 2020 17:30

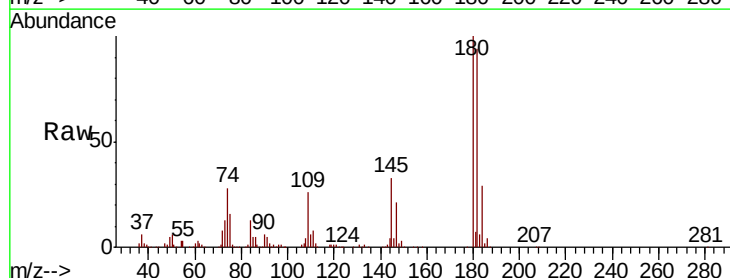
Tgt Ion:180 Resp: 147654

Ion Ratio Lower Upper

180 100

182 92.4 74.0 111.0

145 32.4 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

