

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080320\
 Data File : VW016035.D
 Acq On : 03 Aug 2020 15:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 04 03:37:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 04 03:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	418876	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180124	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	174263	29.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.92%
7) Chloroethane-d5	2.90	69	132522	27.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.44%
10) 1,1-Dichloroethene-d2	4.02	63	338153	28.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.20%#
20) 2-Butanone-d5	7.08	46	77043	49.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.24%
24) Chloroform-d	7.65	84	314288	26.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.88%
26) 1,2-Dichloroethane-d4	8.31	65	154874	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.92%
29) Benzene-d6	8.28	84	656548	28.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.84%
33) 1,2-Dichloropropane-d6	9.28	67	191206	27.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.56%
37) Toluene-d8	10.33	98	593548	28.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.60%
38) trans-1,3-Dichloropropene-	10.58	79	79765	27.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.20%
39) 2-Hexanone-d5	10.93	63	60457	52.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137329	26.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	187747	26.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	97117	27.400	ug/L	100
3) Chloromethane	2.21	50	116126	27.089	ug/L	99
5) Vinyl chloride	2.37	62	173272	26.207	ug/L	99
6) Bromomethane	2.79	94	102307	25.937	ug/L	99
8) Chloroethane	2.93	64	107064	27.642	ug/L	98
9) Trichlorofluoromethane	3.26	101	140690	31.657	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	161300	29.691	ug/L	98
12) 1,1-Dichloroethene	4.04	96	158984	29.526	ug/L	95
13) Acetone	4.13	43	72865	55.884	ug/L	96
14) Carbon disulfide	4.38	76	446437	26.253	ug/L	100
15) Methyl Acetate	4.68	43	67389	27.411	ug/L	98
16) Methylene chloride	4.92	84	182139	26.536	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	230879	30.322	ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	163812	28.809	ug/L	96
19) 1,1-Dichloroethane	6.22	63	307613	29.357	ug/L	99
21) 2-Butanone	7.18	43	92373	57.292	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	177534	29.843	ug/L	97

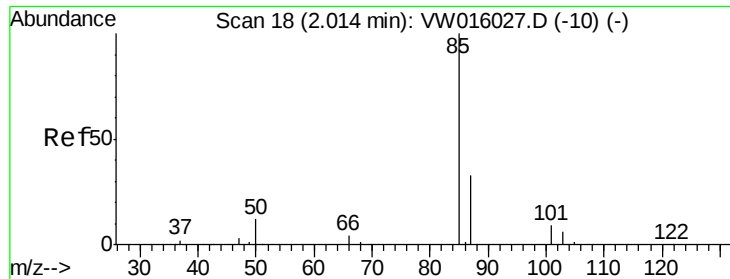
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080320\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 04 03:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	77207	29.597	ug/L	93
25) Chloroform	7.68	83	300653	28.951	ug/L	99
27) 1,2-Dichloroethane	8.40	62	182950	25.891	ug/L	96
30) Cyclohexane	7.96	56	274682	28.996	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	253789	28.931	ug/L	97
32) Carbon tetrachloride	8.07	117	220908	27.770	ug/L	100
34) Benzene	8.33	78	681984	29.888	ug/L	100
35) Trichloroethene	9.10	95	172315	28.548	ug/L	96
36) Methylcyclohexane	9.34	83	301897	29.149	ug/L	99
40) 1,2-Dichloropropane	9.37	63	172866	30.581	ug/L	100
41) Bromodichloromethane	9.65	83	210270	28.804	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	257714	29.935	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	194654	58.997	ug/L	97
44) Toluene	10.39	91	725235	30.304	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	218723	29.311	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	120700	29.694	ug/L	98
47) Tetrachloroethene	10.87	164	139856	29.850	ug/L	93
49) 2-Hexanone	10.97	43	134584	57.481	ug/L	97
50) Dibromochloromethane	11.13	129	137934	29.310	ug/L	94
51) 1,2-Dibromoethane	11.24	107	110175	28.333	ug/L	97
52) Chlorobenzene	11.66	112	451278	29.428	ug/L	98
53) Ethylbenzene	11.73	91	815465	30.302	ug/L	97
54) m,p-Xylene	11.84	106	309049	30.696	ug/L	97
55) o-xylene	12.17	106	288867	30.470	ug/L	95
56) Styrene	12.18	104	500622	31.051	ug/L	99
57) Isopropylbenzene	12.47	105	790358	30.625	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	141566	29.659	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	102575	28.682	ug/L	100
62) Bromoform	12.35	173	76045	28.699	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	336812	29.216	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	336839	28.790	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	304164	29.047	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	20821	26.417	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	240611	29.683	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	190957	29.659	ug/L	99
69) Naphthalene	15.37	128	343425	28.313	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	167346	29.171	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 27.400 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

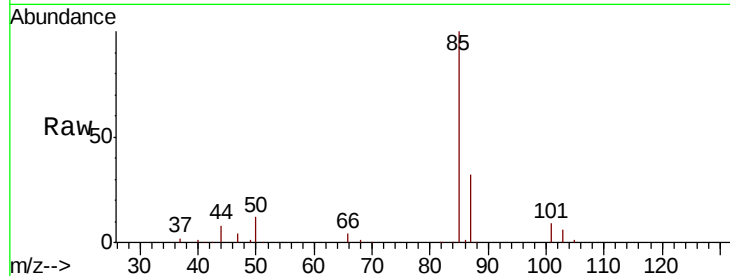
ClientSampleId :

Tot Ion: 85 Resp: 97117

Ion Ratio Lower Upper

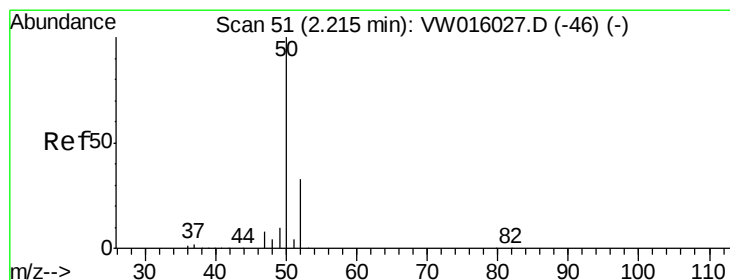
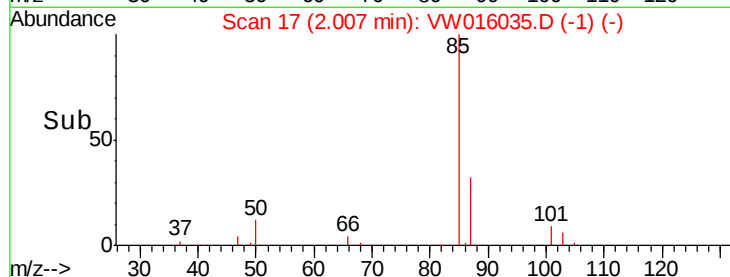
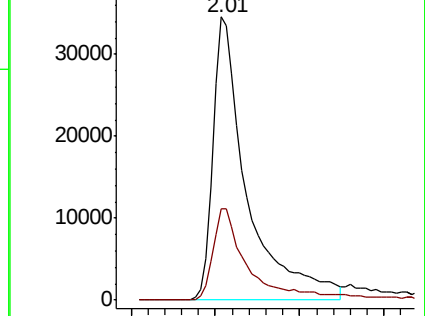
85 100

87 30.1 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 27.089 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016035.D

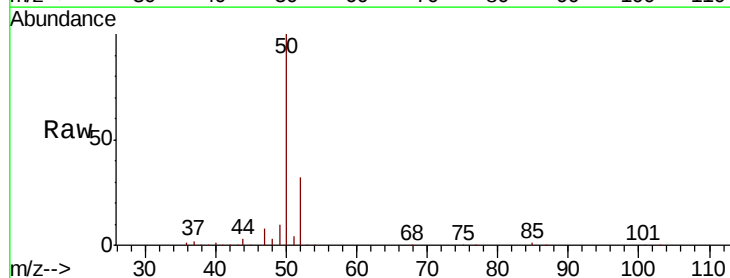
Acq: 03 Aug 2020 15:04

Tgt Ion: 50 Resp: 116126

Ion Ratio Lower Upper

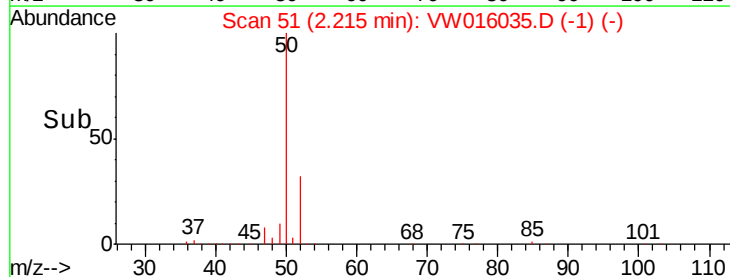
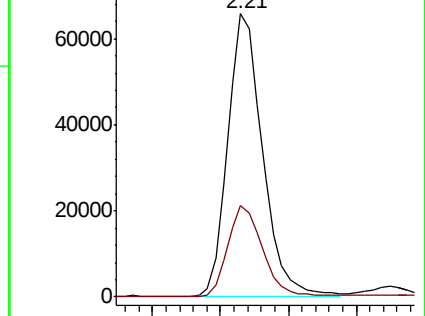
50 100

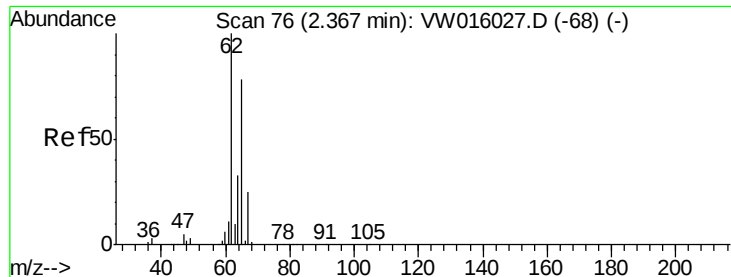
52 32.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.207 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

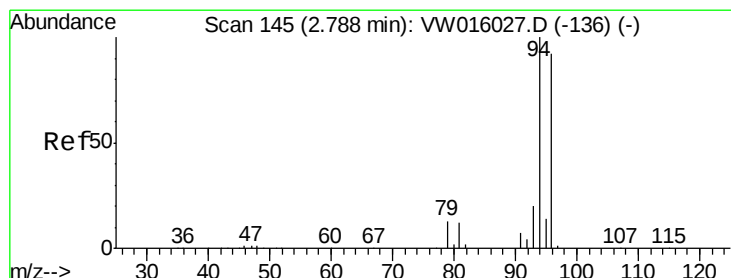
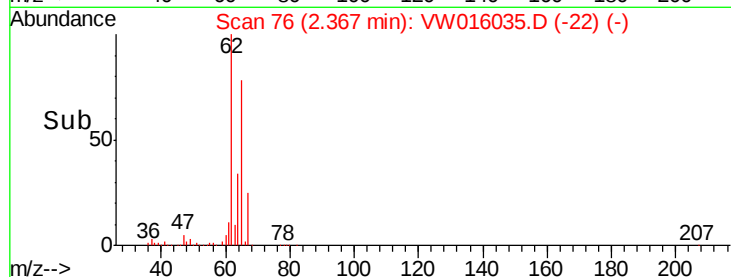
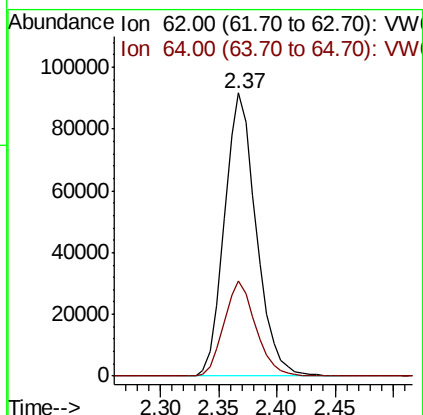
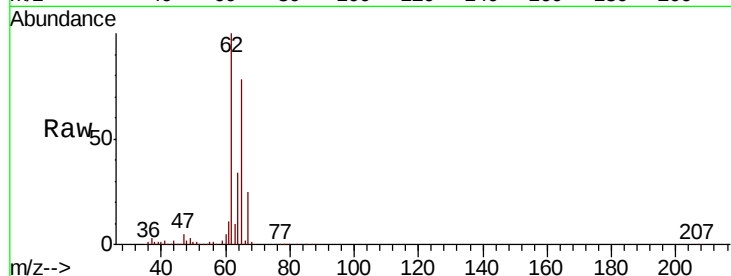
ClientSampled :

Tot Ion: 62 Resp: 173272

Ion Ratio Lower Upper

62 100

64 33.6 23.2 43.0



#6

Bromomethane

Concen: 25.937 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016035.D

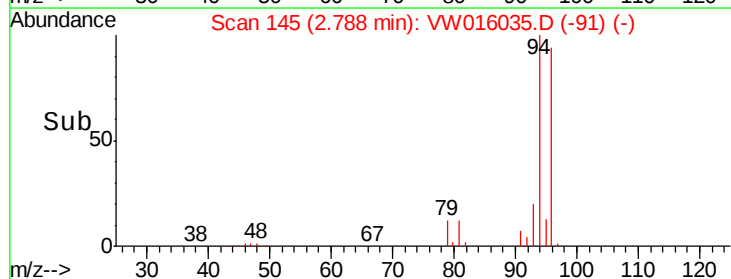
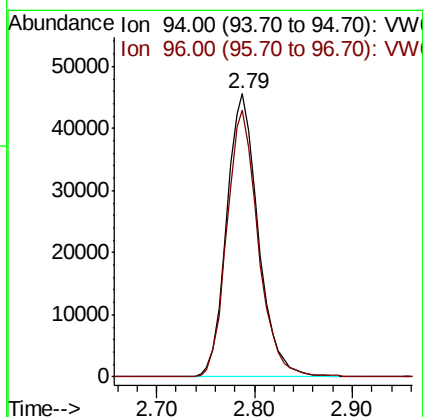
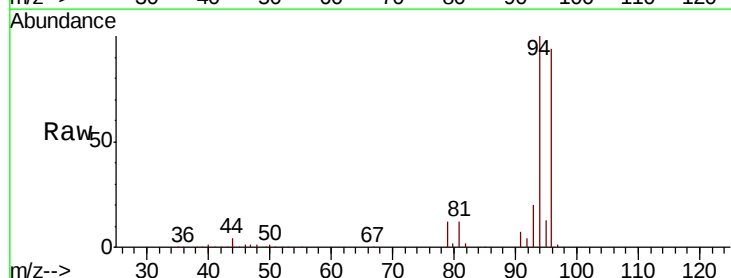
Acq: 03 Aug 2020 15:04

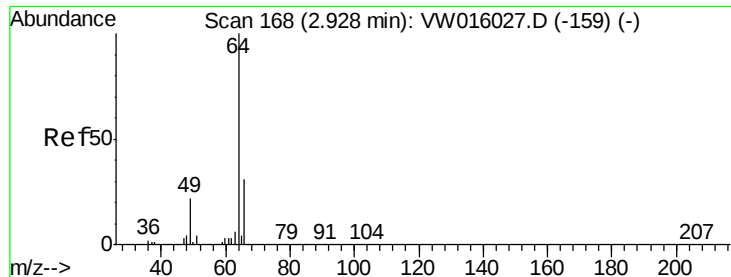
Tgt Ion: 94 Resp: 102307

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.1





#8

Chloroethane

Concen: 27.642 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

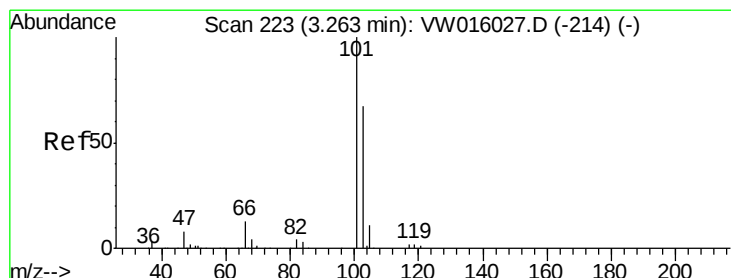
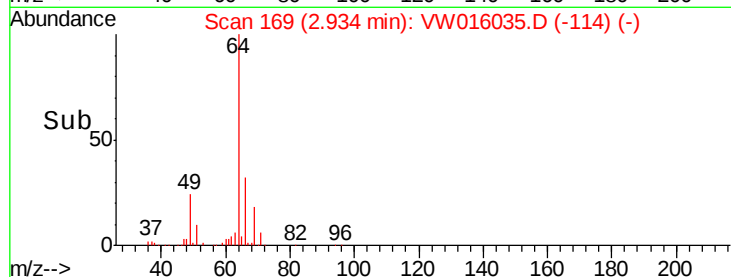
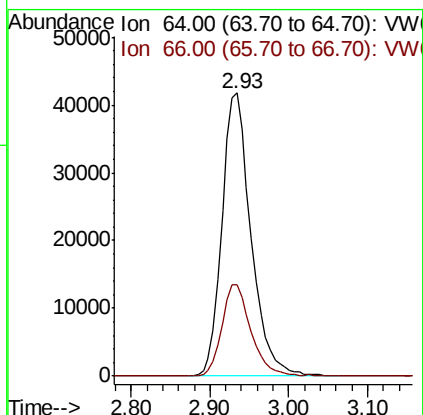
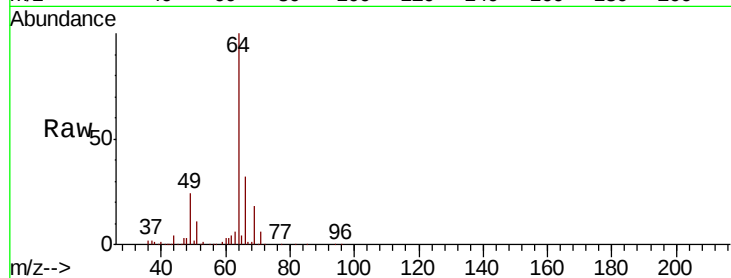
ClientSampleId :

Tot Ion: 64 Resp: 107064

Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 31.657 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016035.D

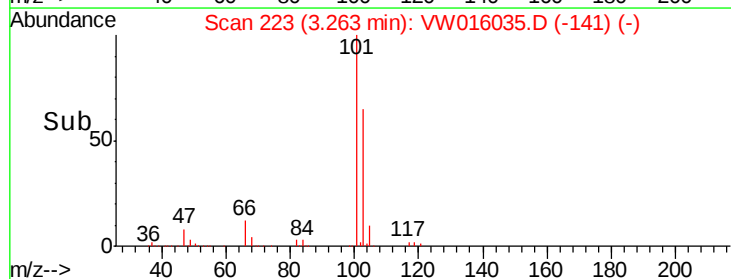
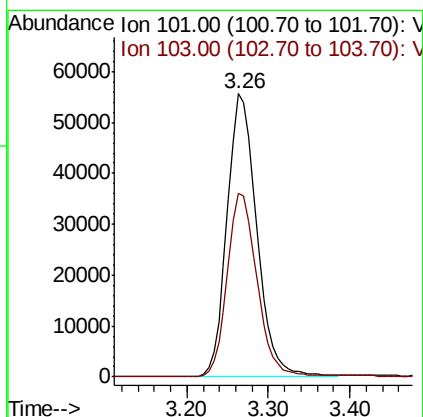
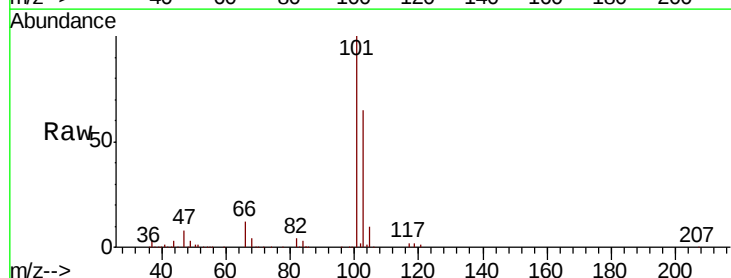
Acq: 03 Aug 2020 15:04

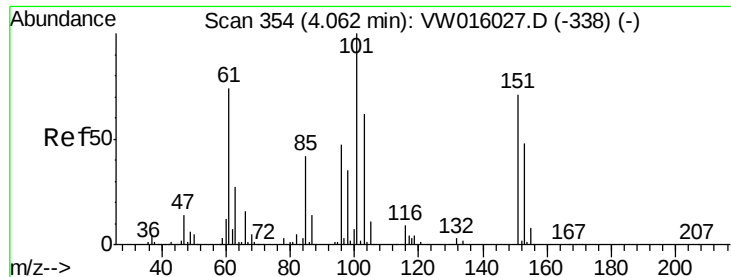
Tgt Ion: 101 Resp: 140690

Ion Ratio Lower Upper

101 100

103 64.8 45.8 85.2





#11

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

Concen: 29.691 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

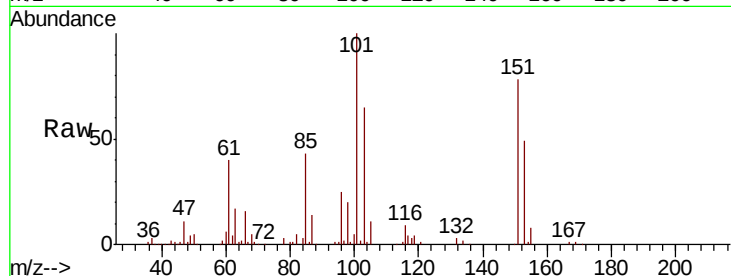
Tot Ion:101 Resp: 161300

Ion Ratio Lower Upper

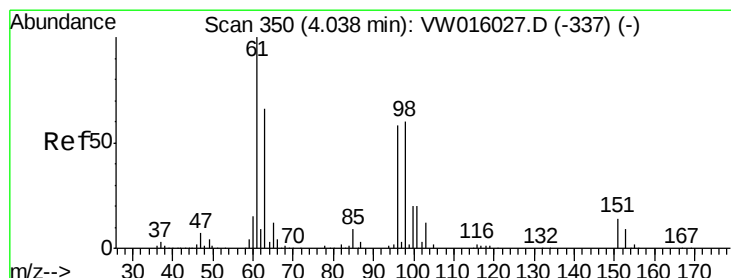
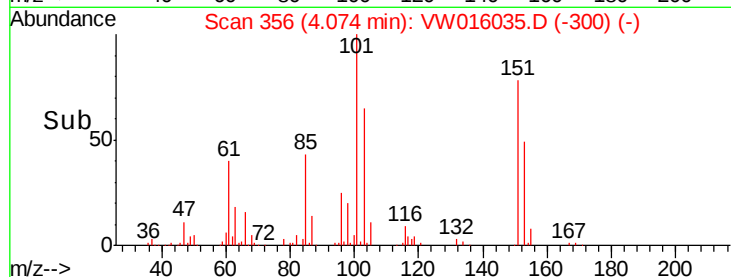
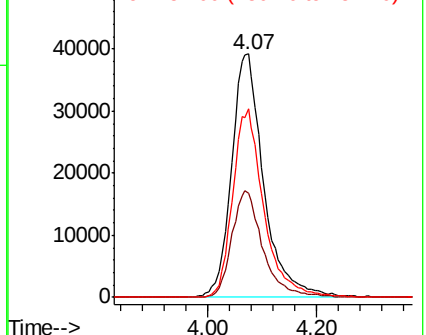
101 100

85 42.3 35.5 53.3

151 74.6 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: 29.526 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

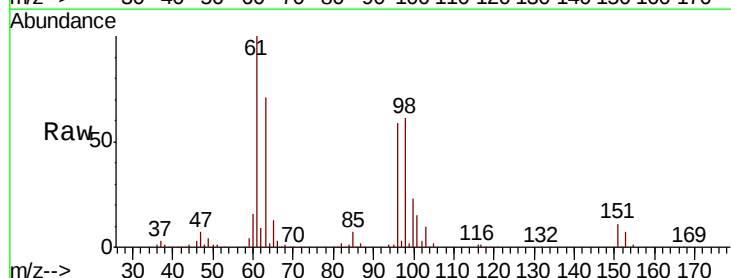
Tgt Ion: 96 Resp: 158984

Ion Ratio Lower Upper

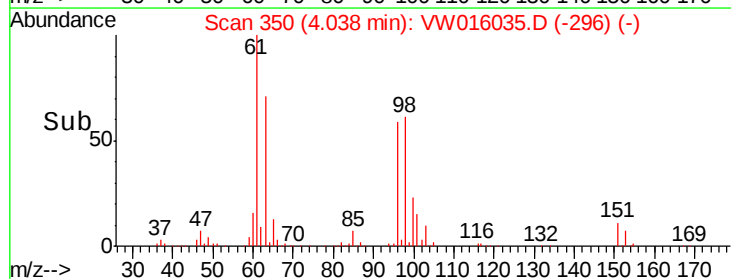
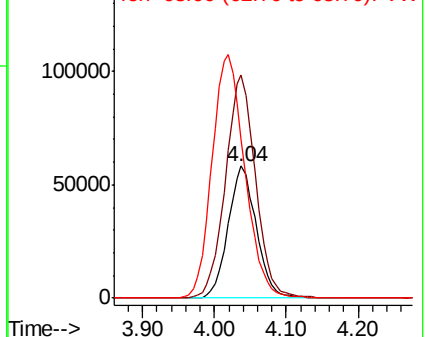
96 100

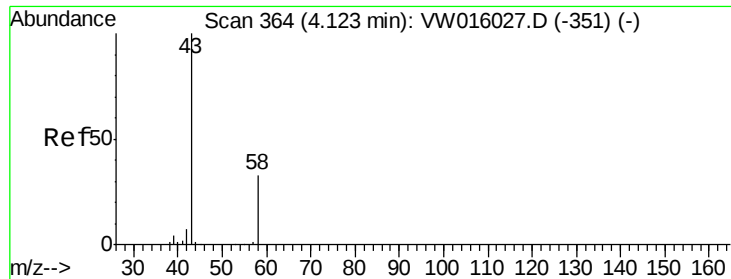
61 169.7 125.0 232.2

63 120.7 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: 55.884 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

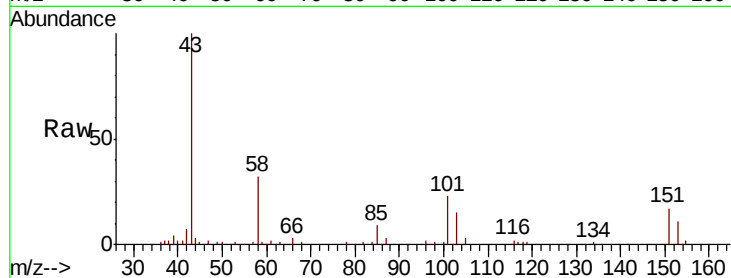
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 72865

Ion Ratio Lower Upper

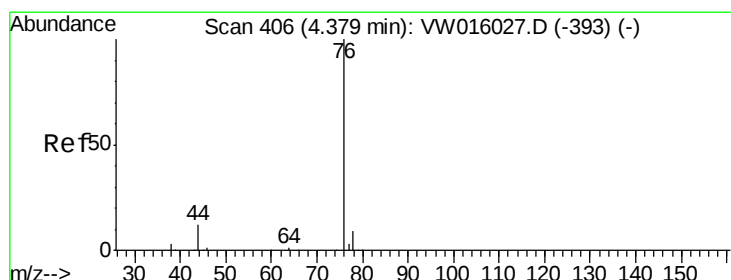
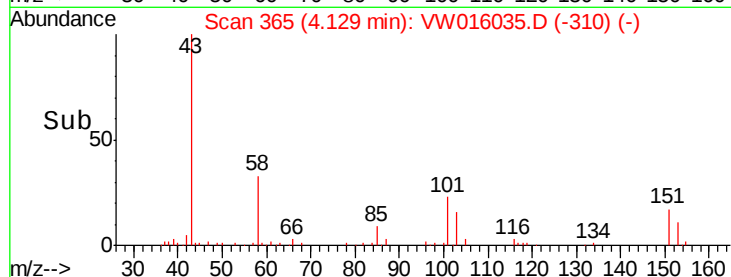
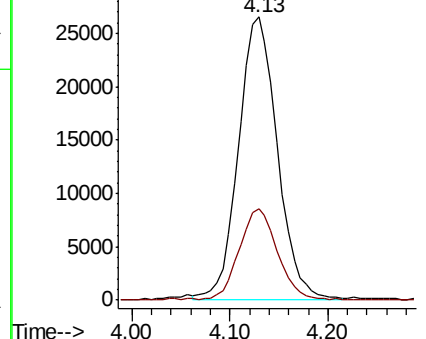
43 100

58 31.3 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.253 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016035.D

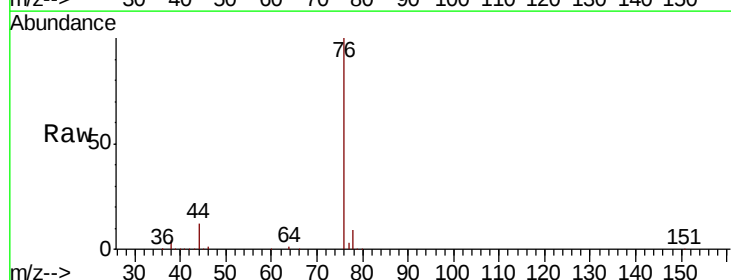
Acq: 03 Aug 2020 15:04

Tgt Ion: 76 Resp: 446437

Ion Ratio Lower Upper

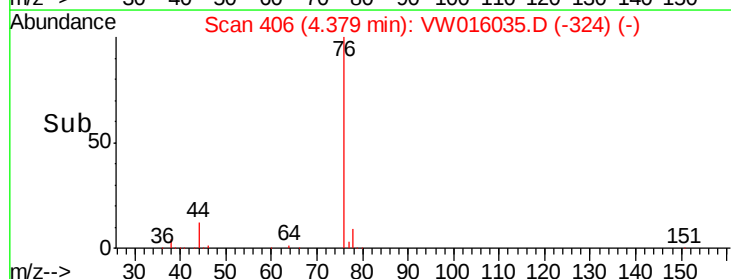
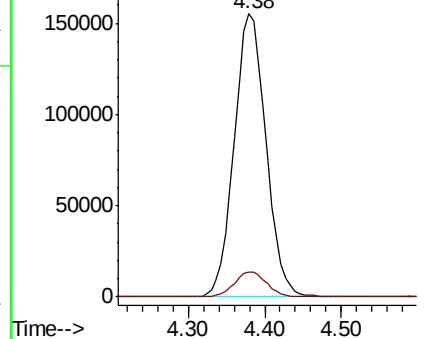
76 100

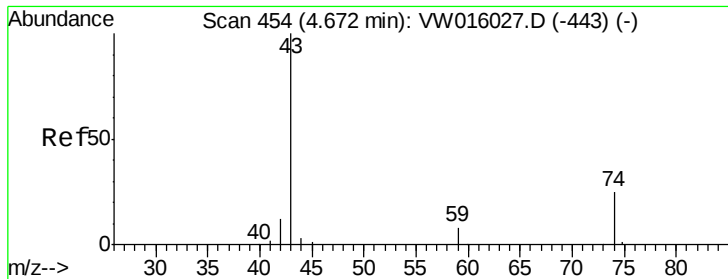
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

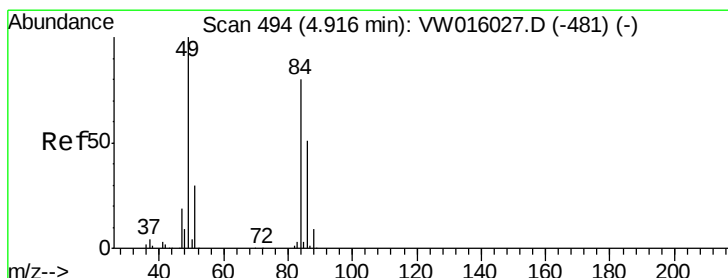
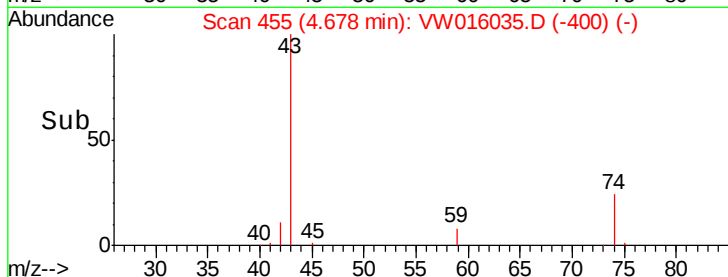
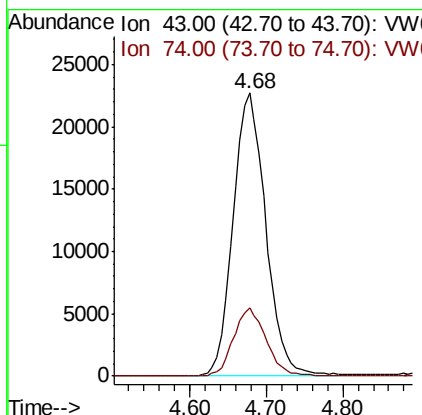
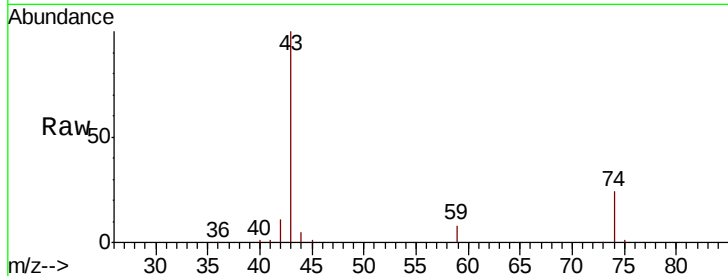




#15
Methvl Acetate
Concen: 27.411 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016035.D
Acq: 03 Aug 2020 15:04

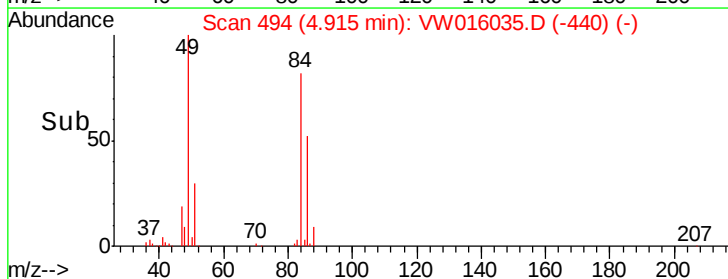
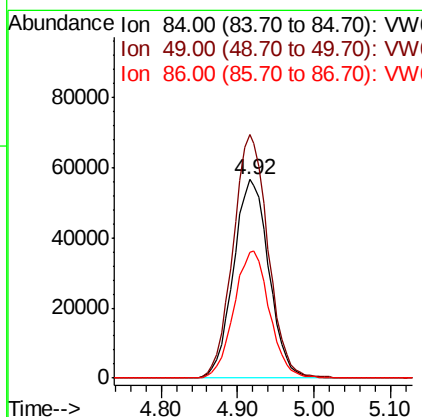
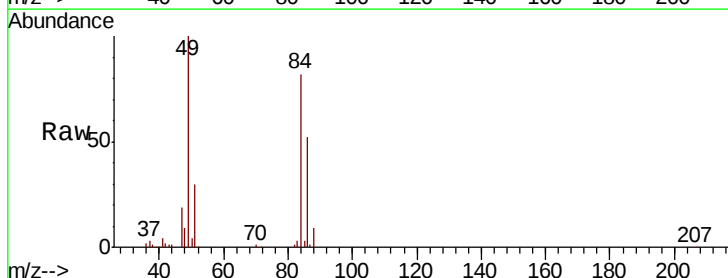
Instrument :
MSVOA_W
ClientSampled :

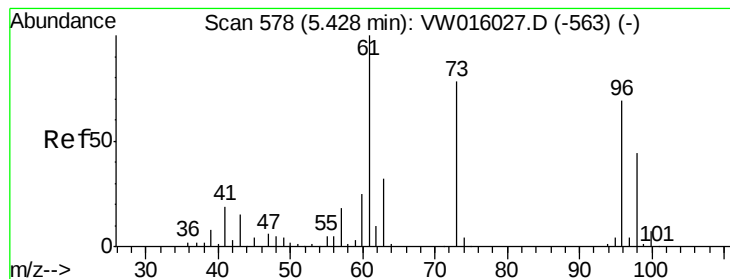
Tot Ion: 43 Resp: 67389
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.2



#16
Methylene chloride
Concen: 26.536 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016035.D
Acq: 03 Aug 2020 15:04

Tgt Ion: 84 Resp: 182139
Ion Ratio Lower Upper
84 100
49 122.7 91.1 169.1
86 63.6 46.0 85.4



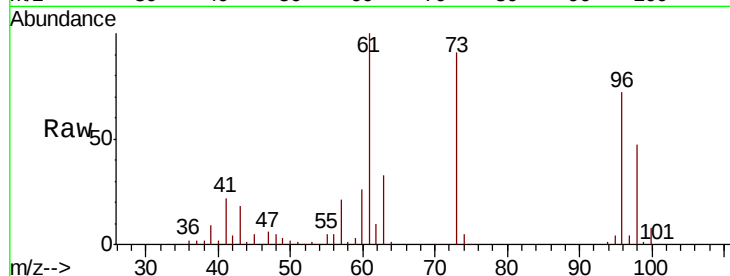


#17

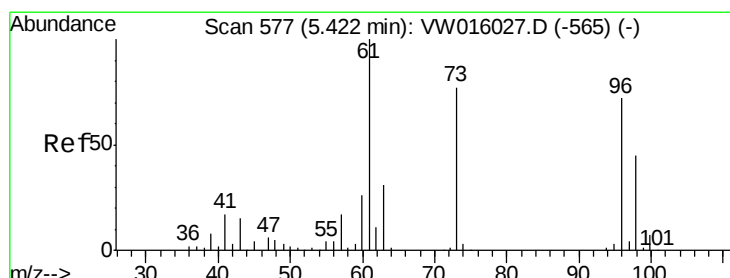
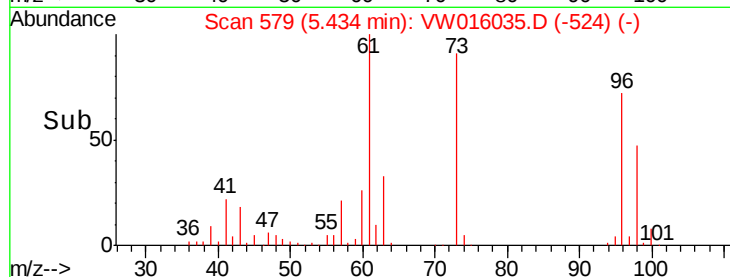
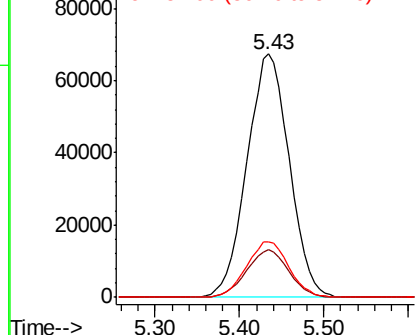
Methvl tert-butvl Ether
 Concen: 30.322 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 230879
 Ion Ratio Lower Upper
 73 100
 43 19.5 18.4 27.6
 57 23.0 17.8 26.8



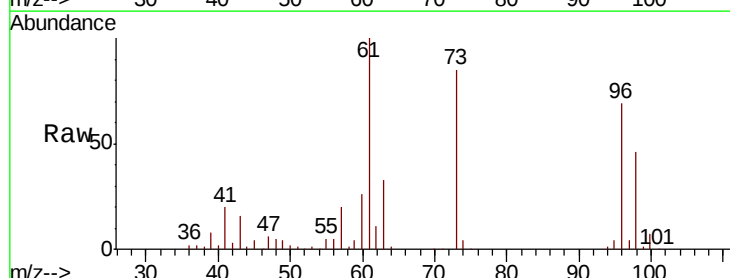
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



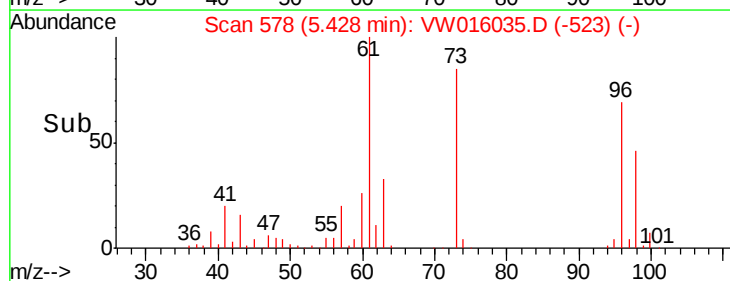
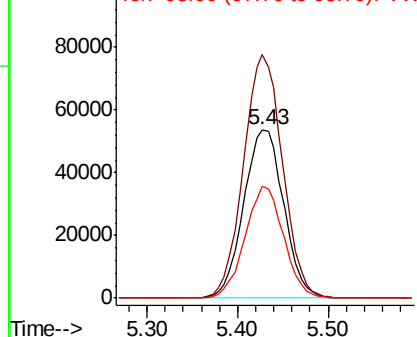
#18

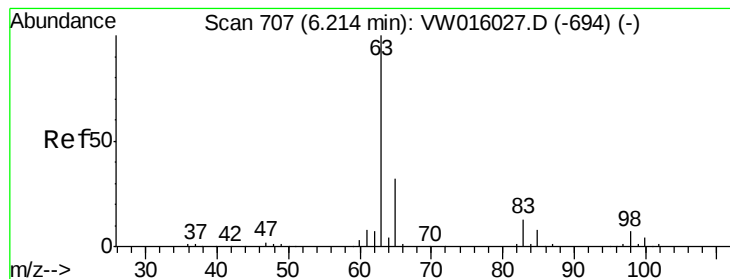
trans-1,2-Dichloroethene
 Concen: 28.809 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Tgt Ion: 96 Resp: 163812
 Ion Ratio Lower Upper
 96 100
 61 144.7 99.3 184.5
 98 66.8 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: 29.357 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

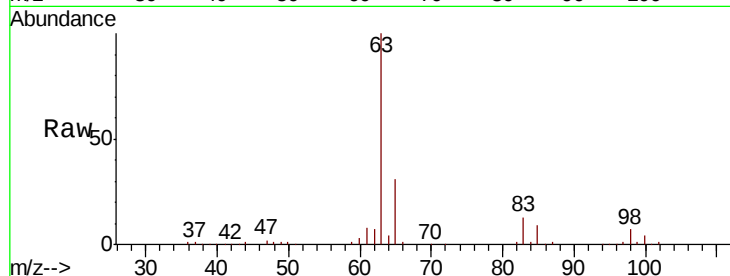
Tot Ion: 63 Resp: 307613

Ion Ratio Lower Upper

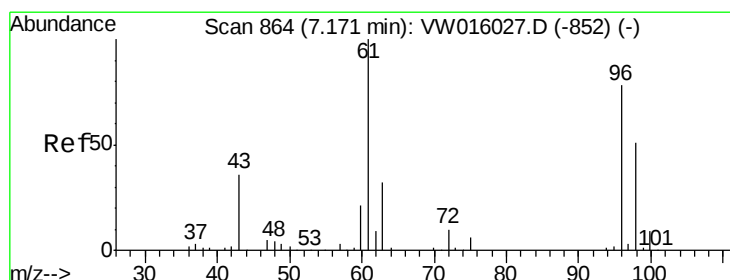
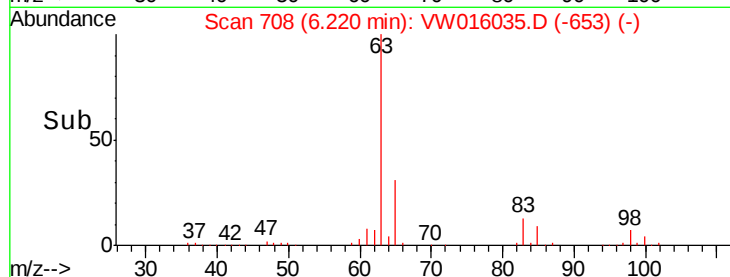
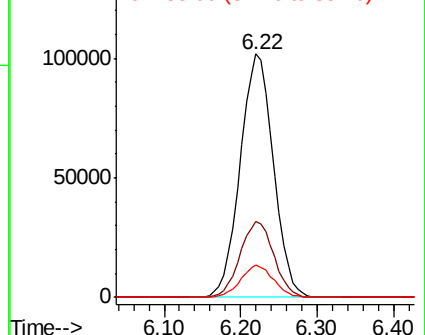
63 100

65 31.3 22.2 41.2

83 13.3 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: 57.292 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016035.D

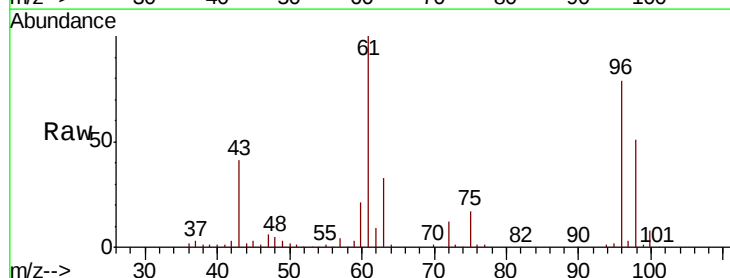
Acq: 03 Aug 2020 15:04

Tgt Ion: 43 Resp: 92373

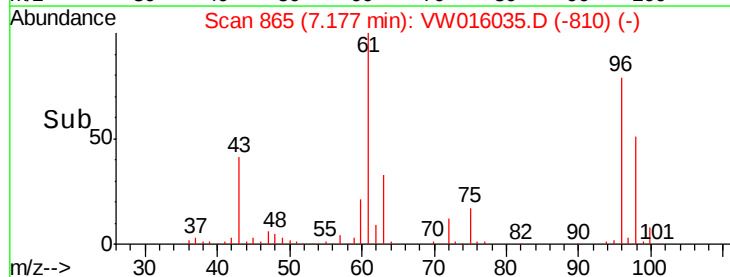
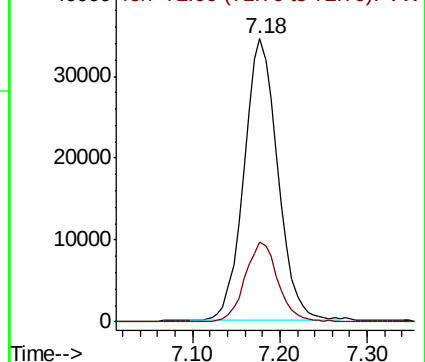
Ion Ratio Lower Upper

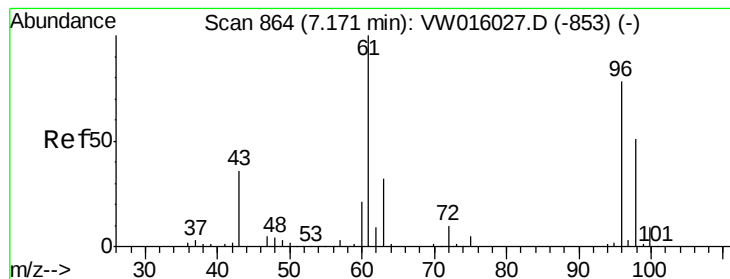
43 100

72 27.6 13.9 41.7



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



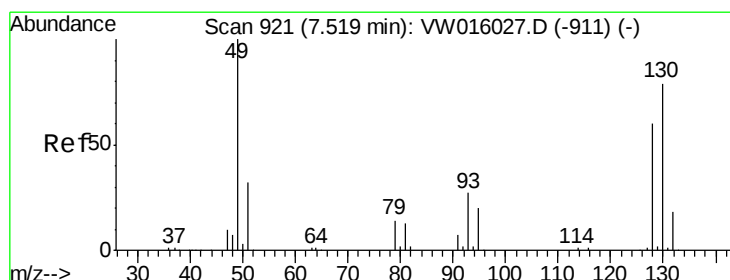
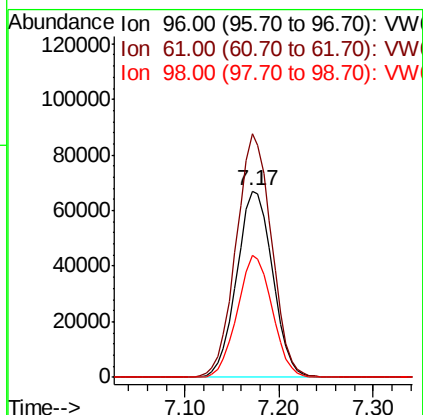
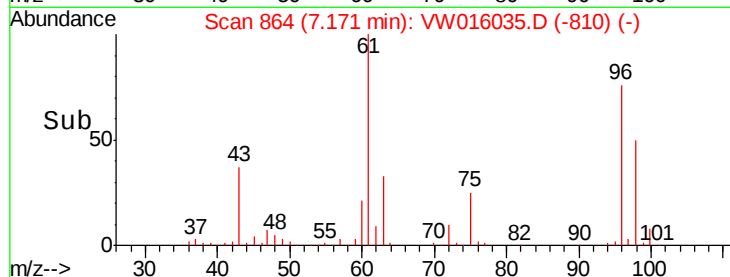
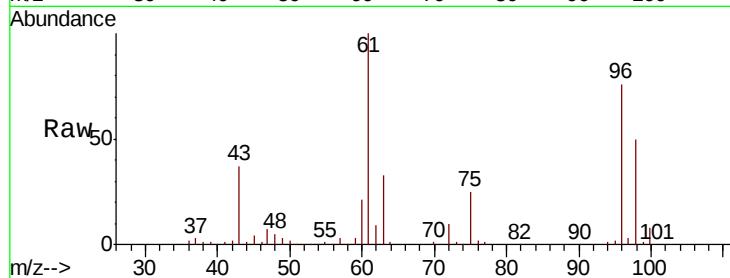


#22

cis-1,2-Dichloroethene
Concen: 29.843 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016035.D
Acq: 03 Aug 2020 15:04

Instrument :
MSVOA_W
ClientSampled :

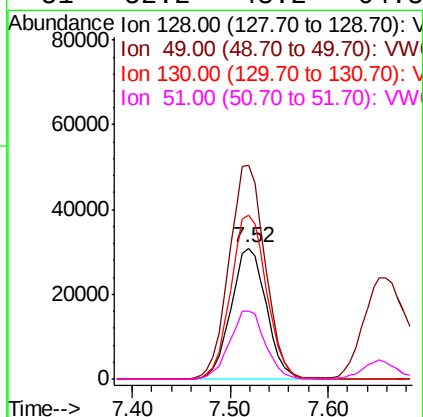
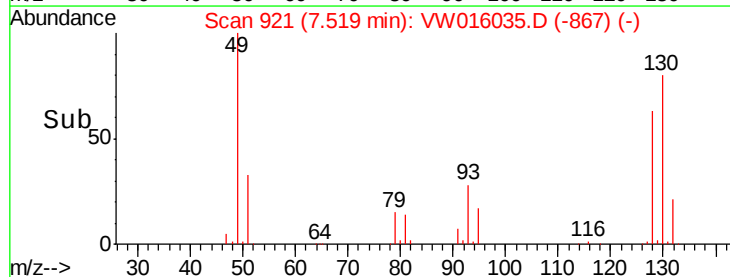
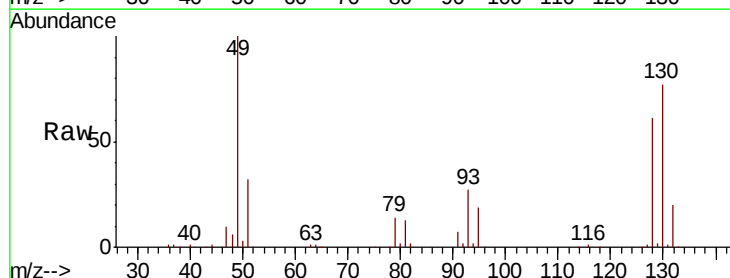
Tot Ion: 96 Resp: 177534
Ion Ratio Lower Upper
96 100
61 130.9 94.6 175.8
98 65.5 44.3 82.3

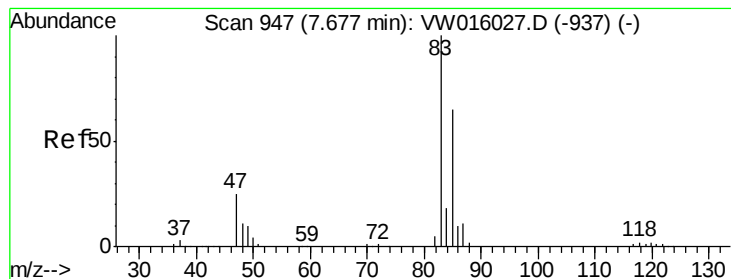


#23

Bromochloromethane
Concen: 29.597 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW016035.D
Acq: 03 Aug 2020 15:04

Tgt Ion: 128 Resp: 77207
Ion Ratio Lower Upper
128 100
49 163.0 122.4 227.2
130 125.5 93.9 174.5
51 52.2 43.2 64.8





#25

Chloroform

Concen: 28.951 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

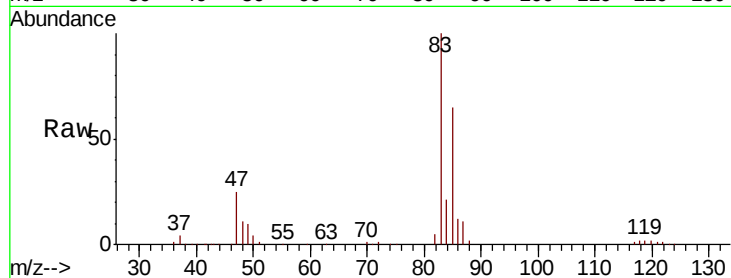
ClientSampled :

Tot Ion: 83 Resp: 300653

Ion Ratio Lower Upper

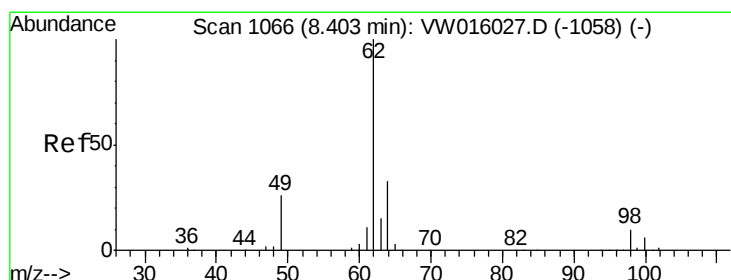
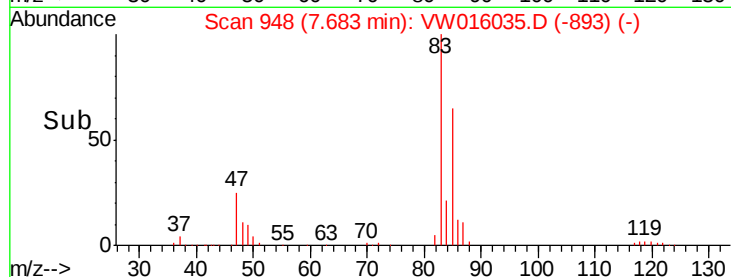
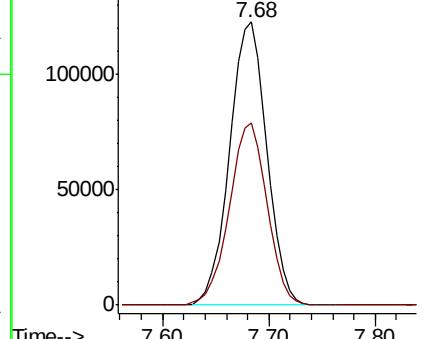
83 100

85 65.3 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 25.891 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016035.D

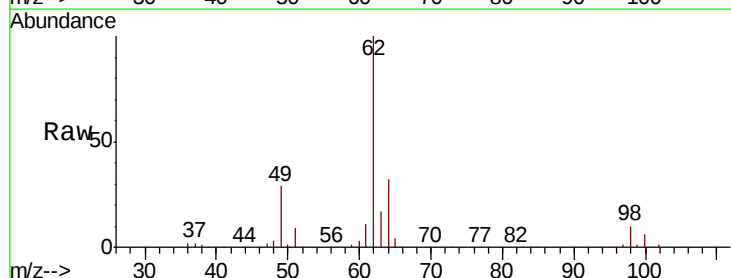
Acq: 03 Aug 2020 15:04

Tgt Ion: 62 Resp: 182950

Ion Ratio Lower Upper

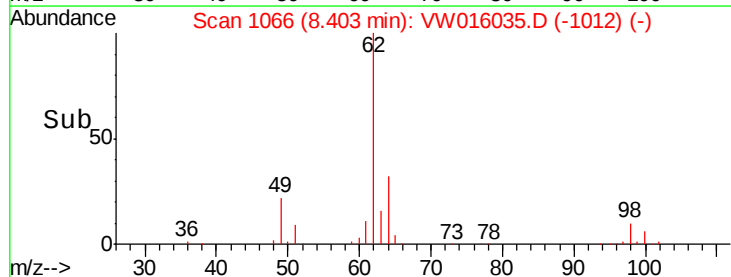
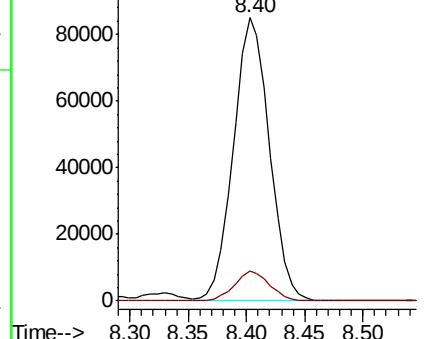
62 100

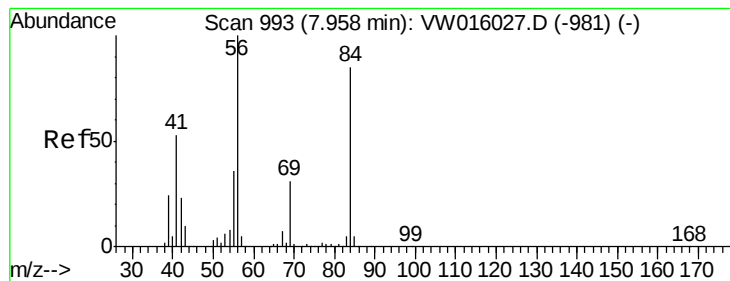
98 10.4 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 28.996 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

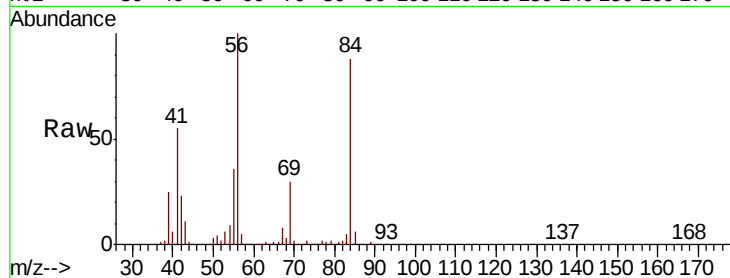
Tot Ion: 56 Resp: 274682

Ion Ratio Lower Upper

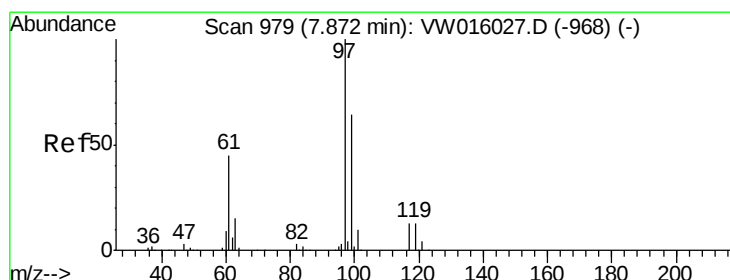
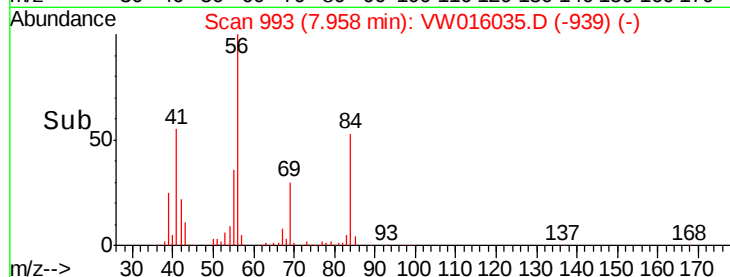
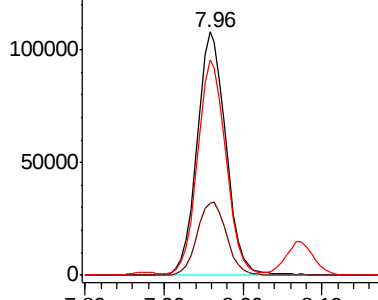
56 100

69 30.8 24.4 36.6

84 87.1 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: 28.931 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

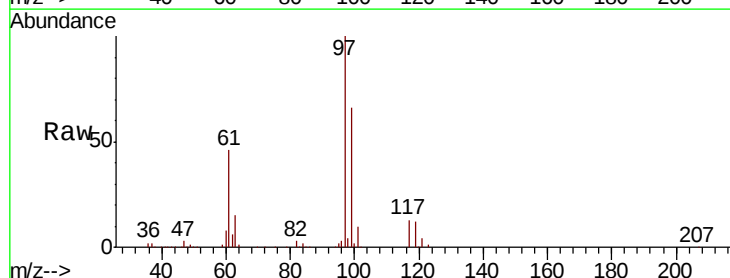
Tgt Ion: 97 Resp: 253789

Ion Ratio Lower Upper

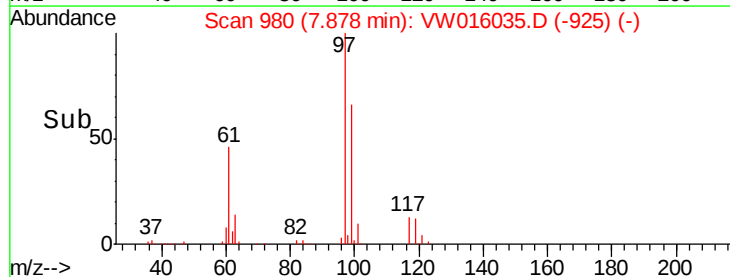
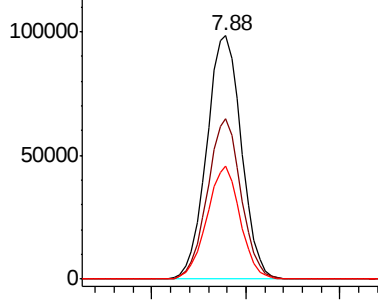
97 100

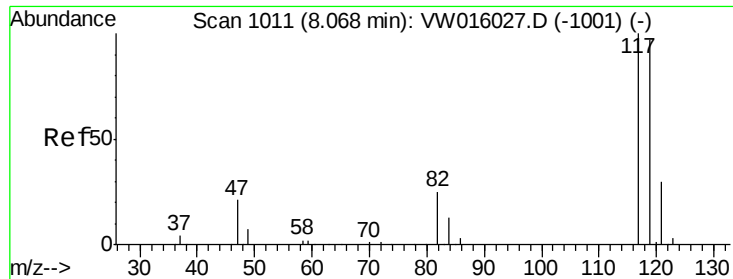
99 63.7 51.9 77.9

61 44.4 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: 27.770 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

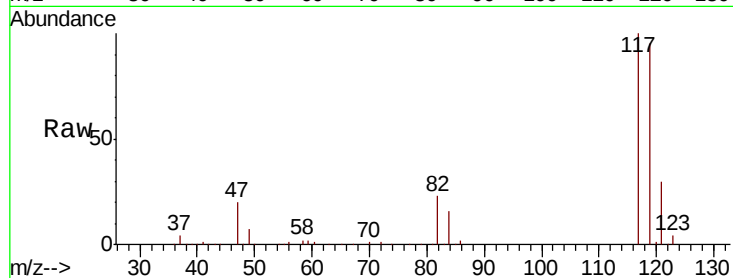
ClientSampled :

Tot Ion:117 Resp: 220908

Ion Ratio Lower Upper

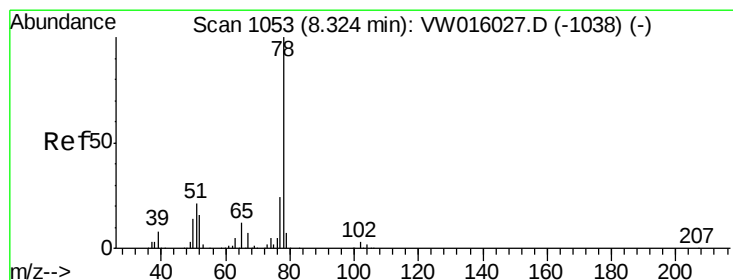
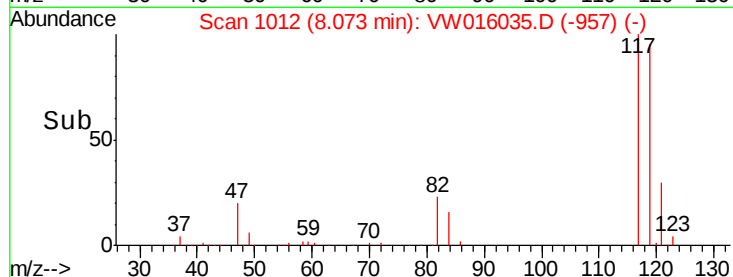
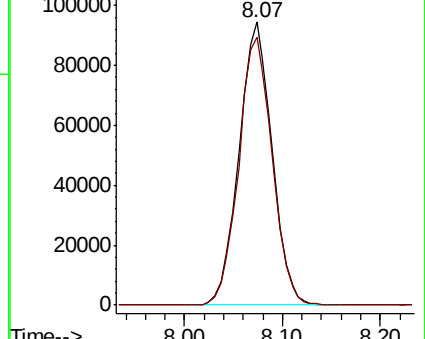
117 100

119 96.0 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: 29.888 ug/L

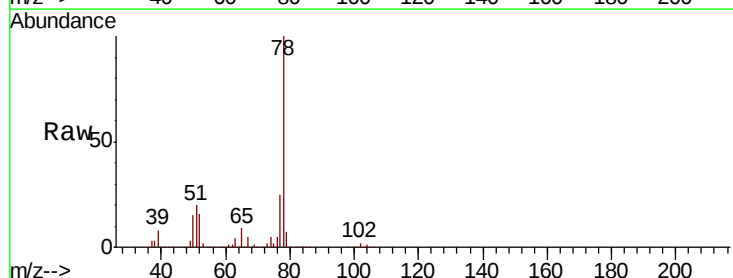
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

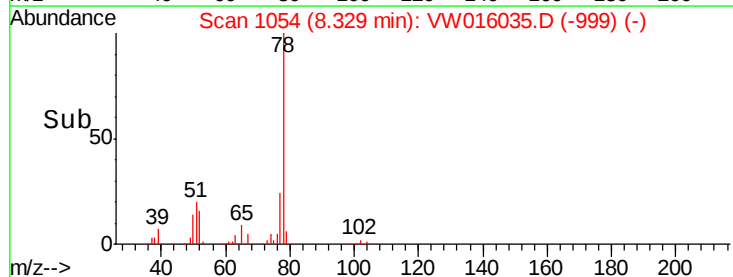
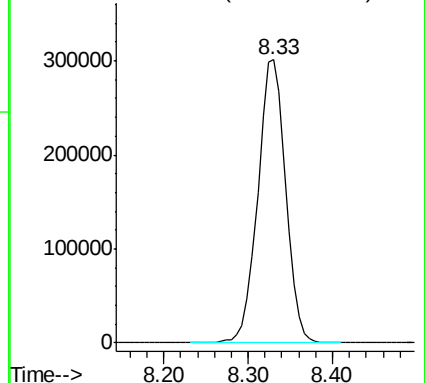
Lab File: VW016035.D

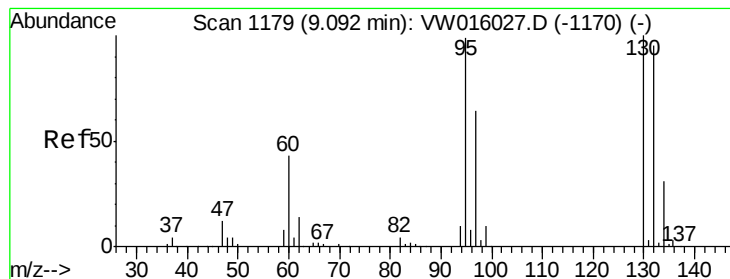
Acq: 03 Aug 2020 15:04

Tgt Ion: 78 Resp: 681984



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 28.548 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 172315

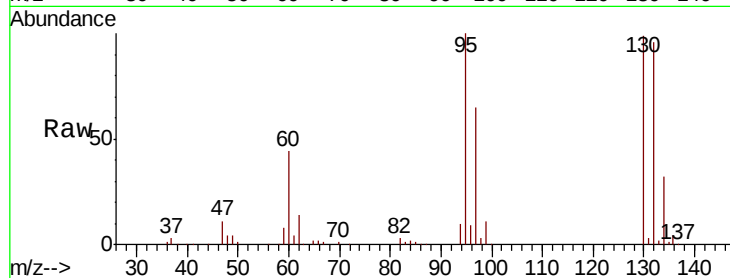
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.4

132 98.5 65.1 120.9

130 102.5 68.6 127.4

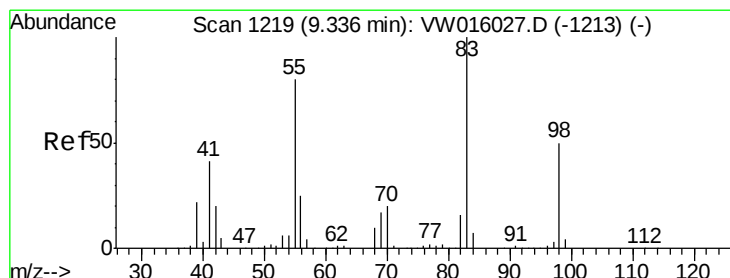
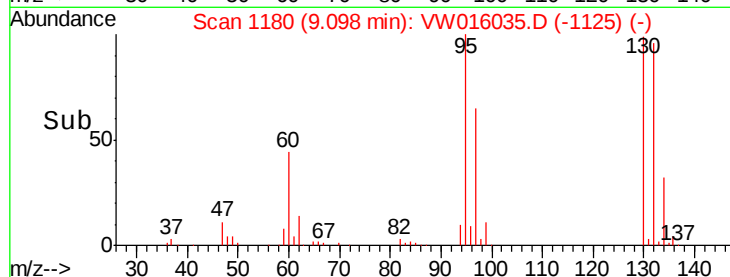
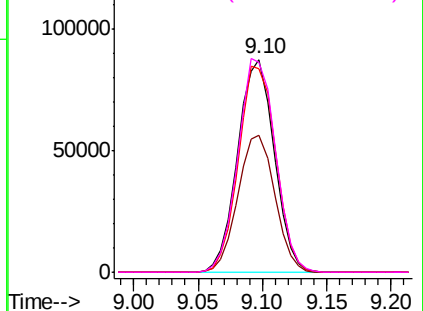


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 29.149 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

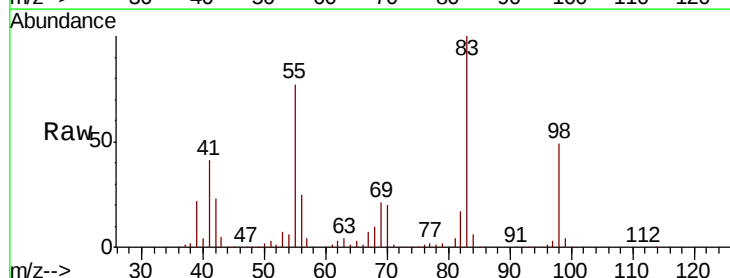
Tgt Ion: 83 Resp: 301897

Ion Ratio Lower Upper

83 100

55 78.3 63.5 95.3

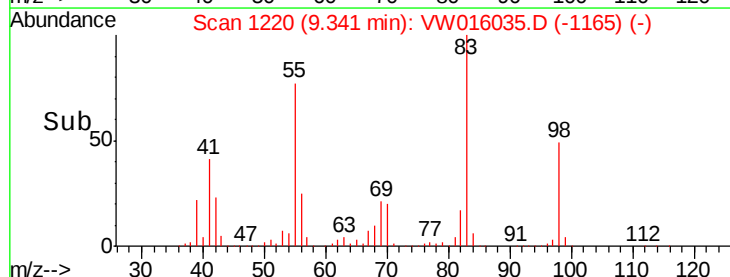
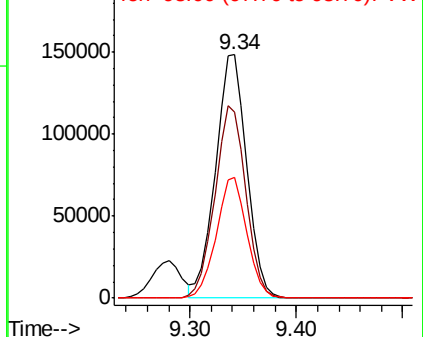
98 48.6 39.0 58.4

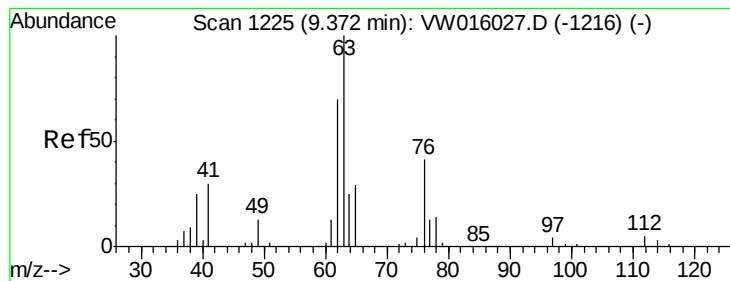


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 30.581 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

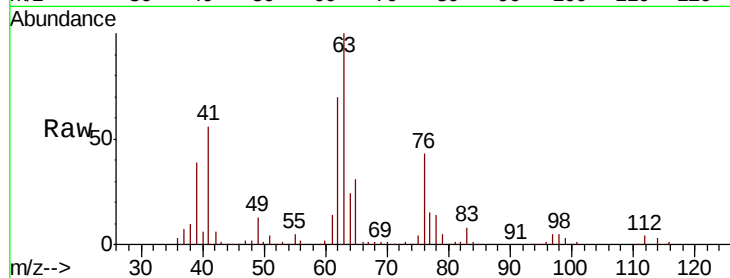
ClientSampleId :

Tot Ion: 63 Resp: 172866

Ion Ratio Lower Upper

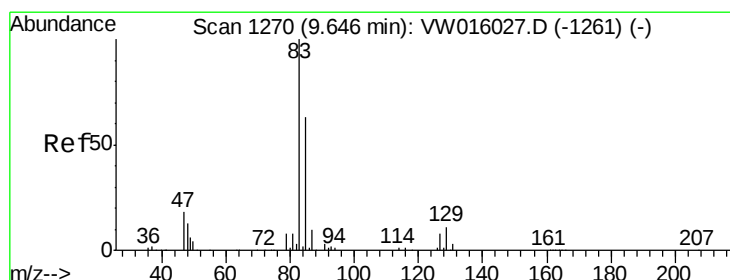
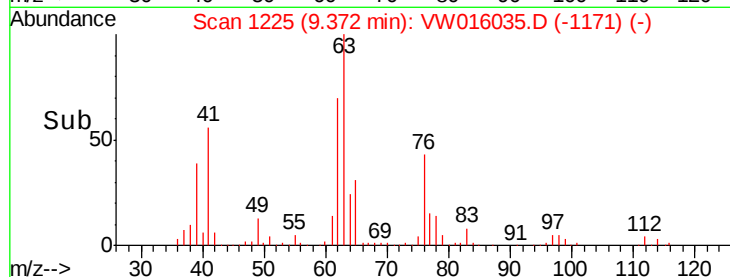
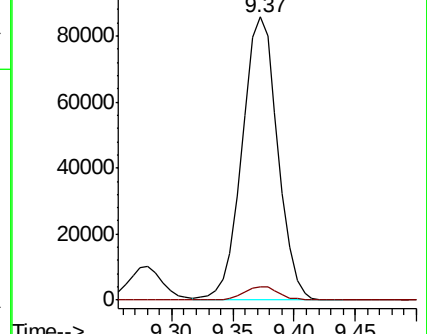
63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW016027.D (-1216) (-)

Ion 112.00 (111.70 to 112.70): VW016027.D (-1216) (-)



#41

Bromodichloromethane

Concen: 28.804 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

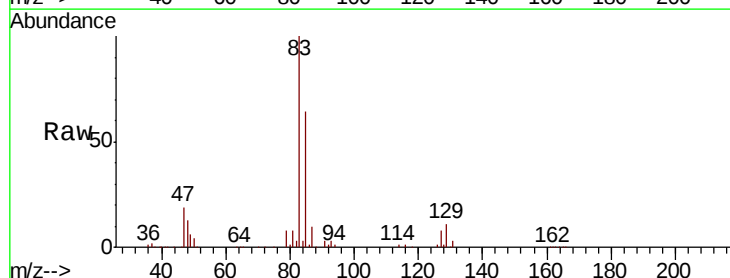
Tgt Ion: 83 Resp: 210270

Ion Ratio Lower Upper

83 100

85 64.5 43.7 81.1

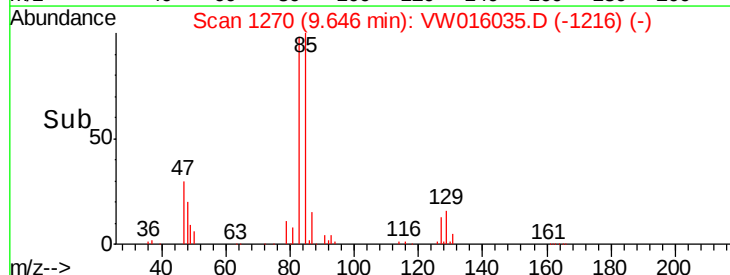
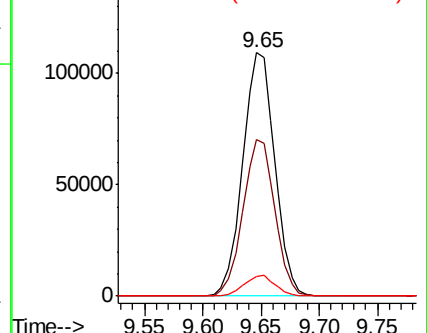
127 8.2 6.5 9.7

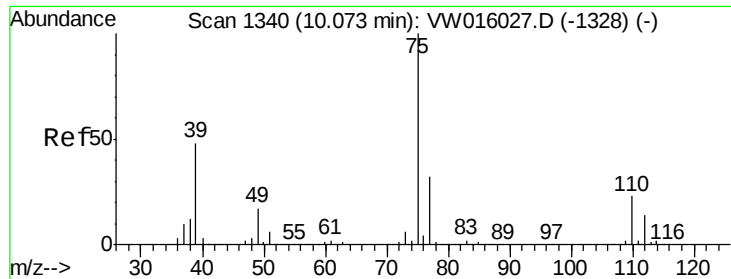


Abundance Ion 83.00 (82.70 to 83.70): VW016027.D (-1261) (-)

Ion 85.00 (84.70 to 85.70): VW016027.D (-1261) (-)

Ion 127.00 (126.70 to 127.70): VW016027.D (-1261) (-)

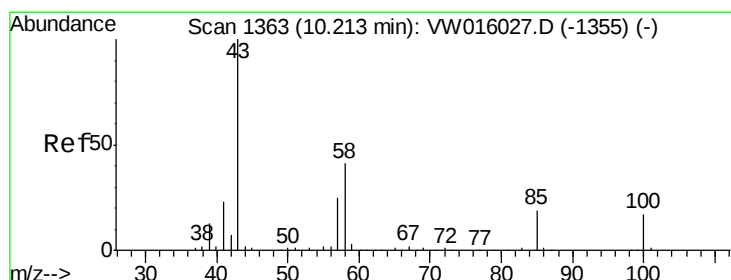
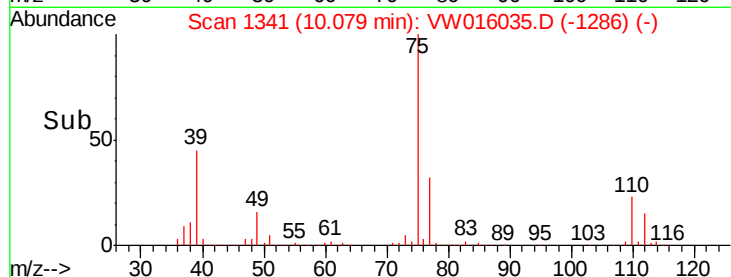
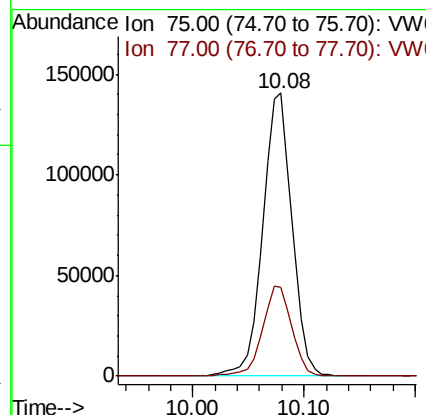
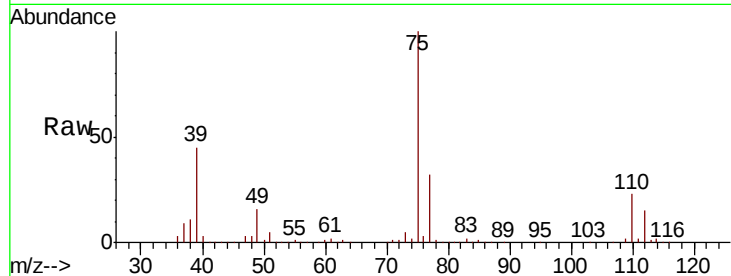




#42
 cis-1,3-Dichloropropene
 Concen: 29.935 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

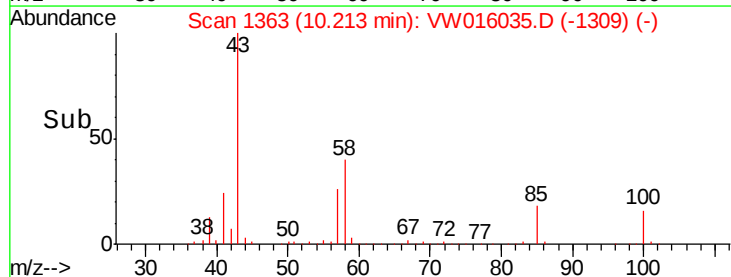
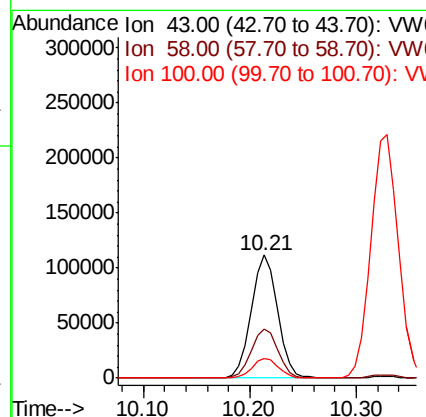
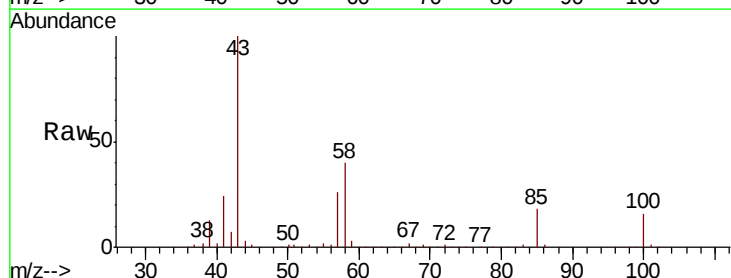
Instrument :
 MSVOA_W
 ClientSampleId :

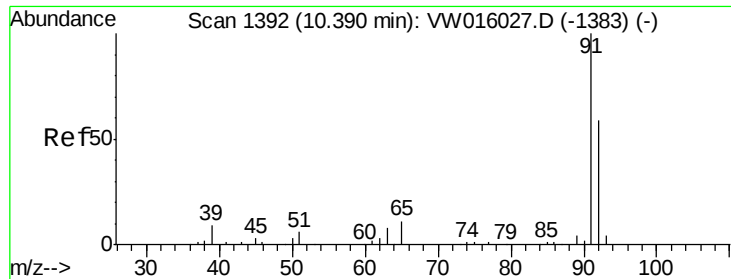
Tot Ion: 75 Resp: 257714
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 58.997 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Tgt Ion: 43 Resp: 194654
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.0 46.4
 100 16.4 12.6 19.0





#44

Toluene

Concen: 30.304 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

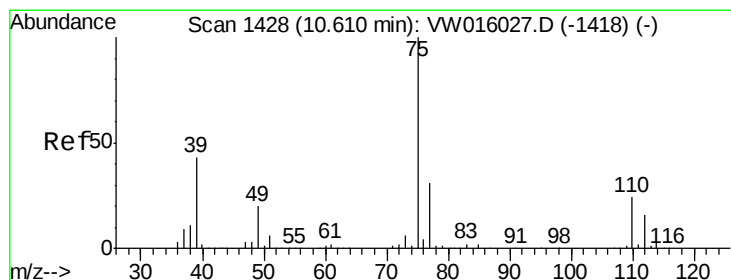
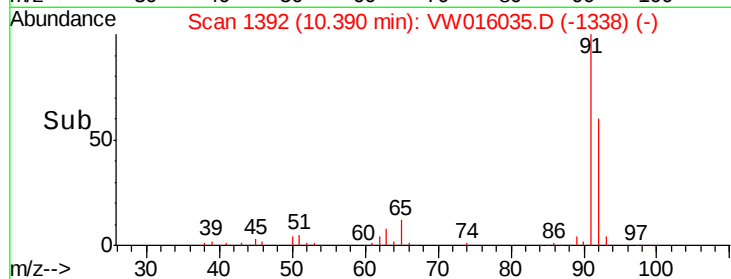
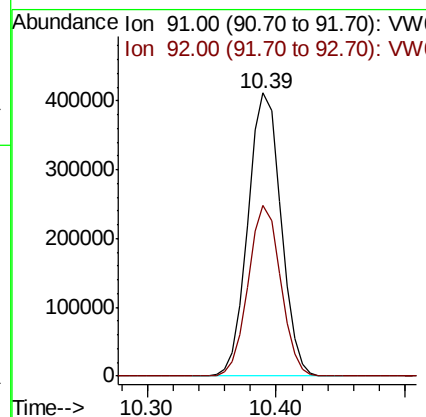
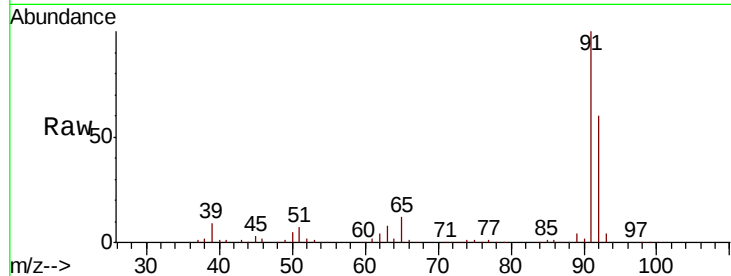
ClientSampleId :

Tot Ion: 91 Resp: 725235

Ion Ratio Lower Upper

91 100

92 60.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 29.311 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016035.D

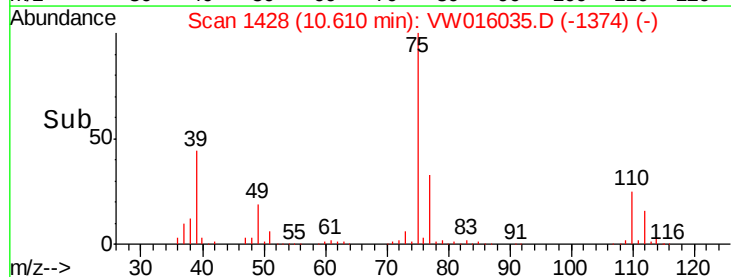
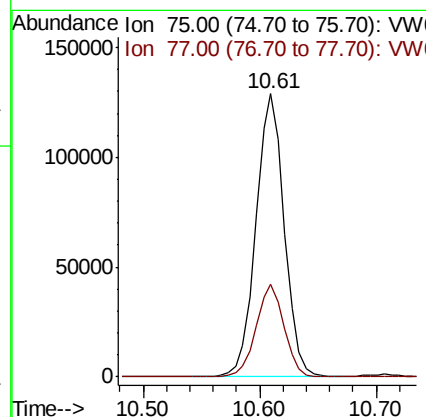
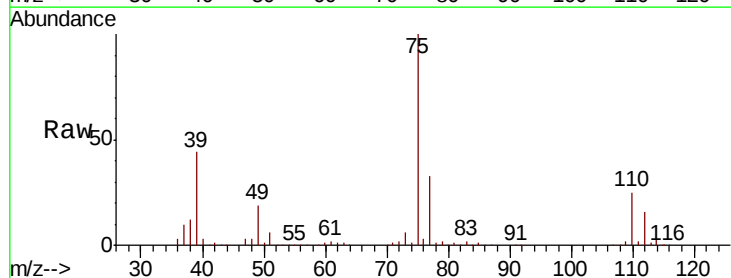
Acq: 03 Aug 2020 15:04

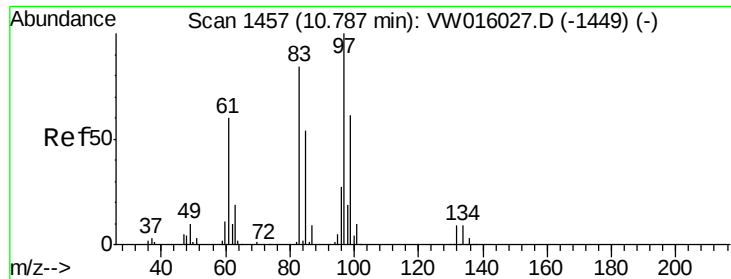
Tgt Ion: 75 Resp: 218723

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 29.694 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 120700

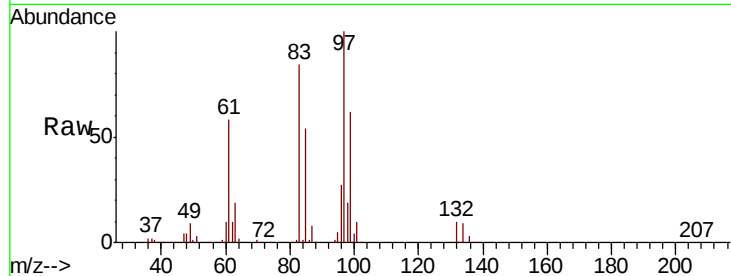
Ion Ratio Lower Upper

97 100

83 83.6 60.6 112.6

85 54.3 38.9 72.2

99 61.9 43.1 80.1



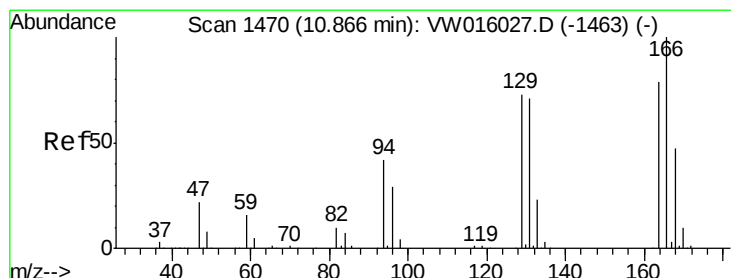
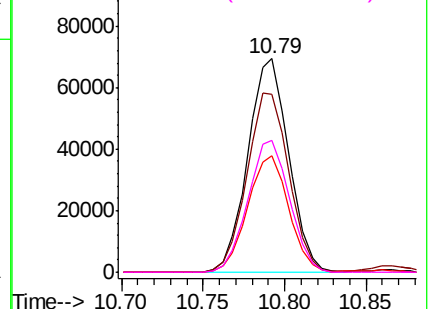
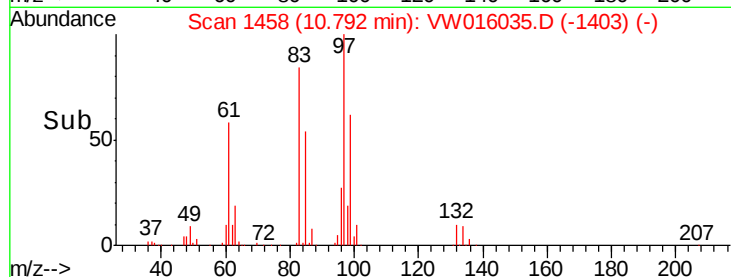
Abundance

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: 29.850 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Tgt Ion: 164 Resp: 139856

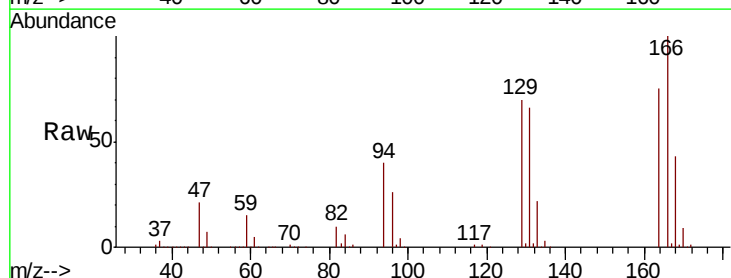
Ion Ratio Lower Upper

164 100

129 94.6 70.0 130.0

131 88.4 67.3 124.9

166 134.2 88.5 164.3



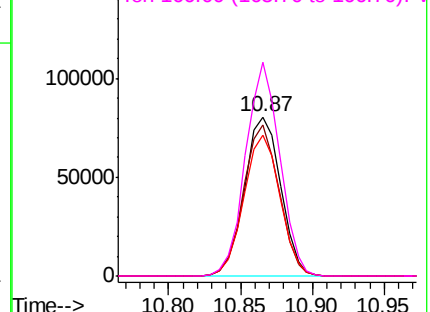
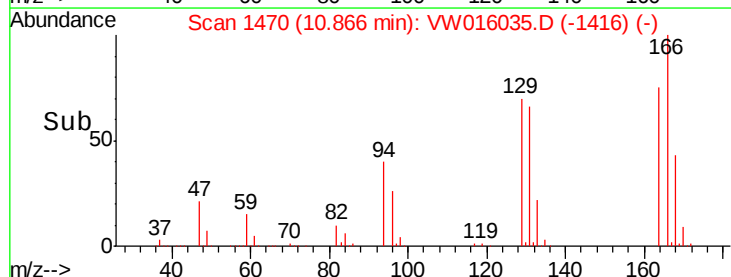
Abundance

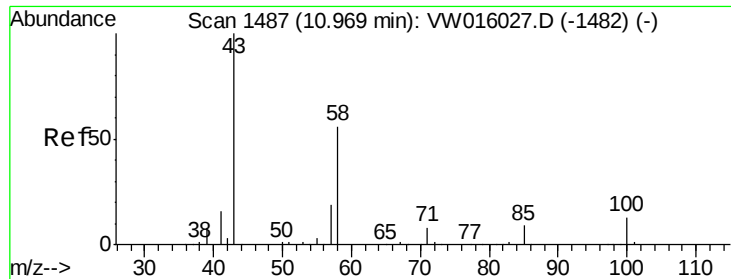
Ion 164.00 (163.70 to 164.70): V

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: 57.481 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 134584

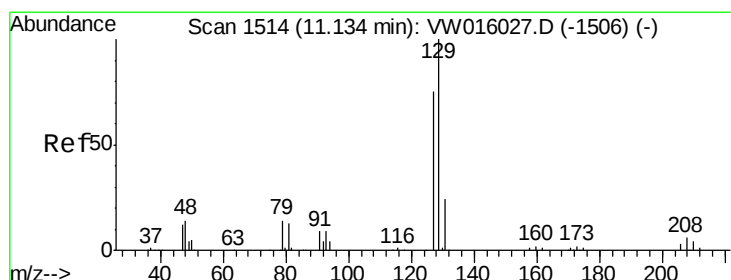
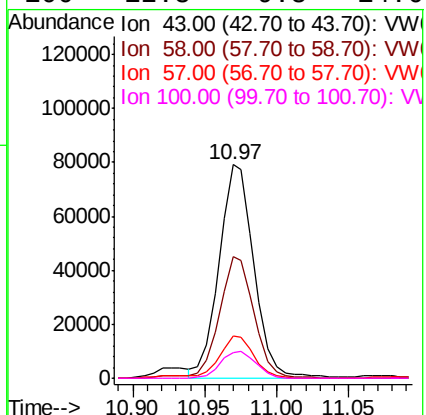
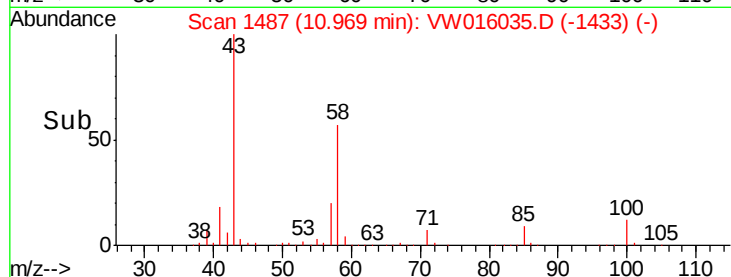
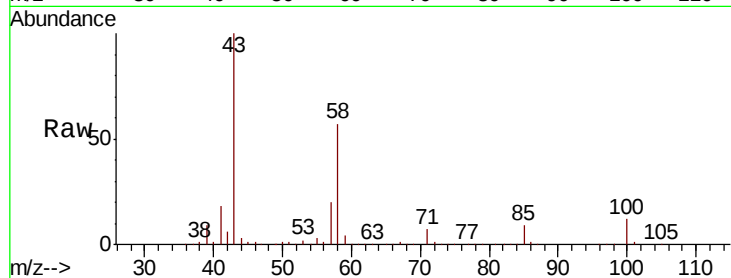
Ion Ratio Lower Upper

43 100

58 55.8 42.4 63.6

57 18.7 15.6 23.4

100 12.8 9.8 14.6



#50

Dibromochloromethane

Concen: 29.310 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW016035.D

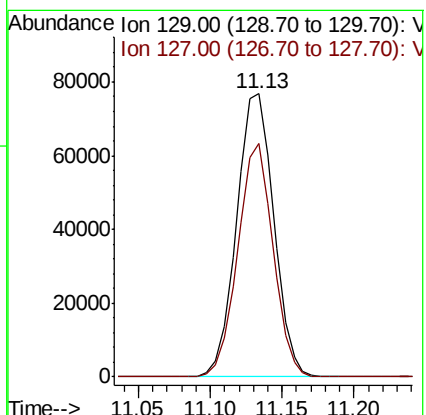
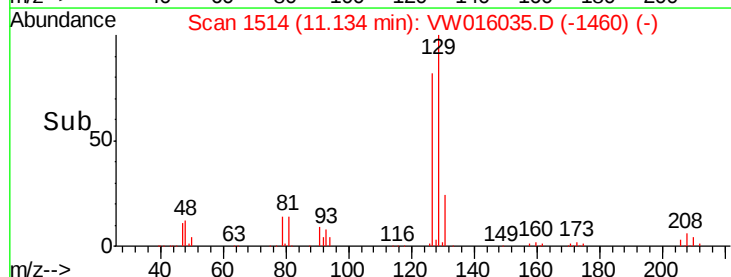
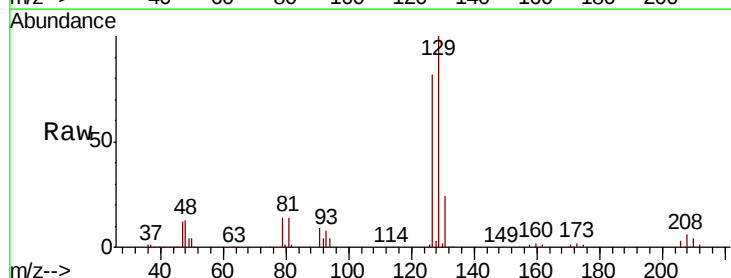
Acq: 03 Aug 2020 15:04

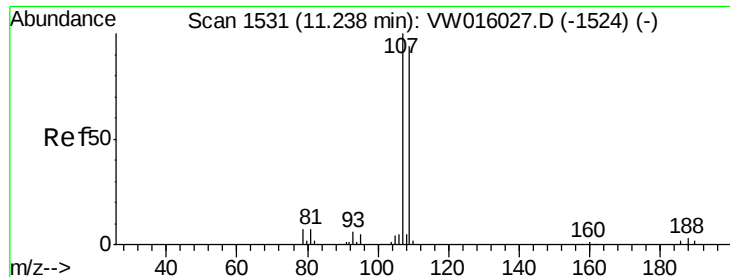
Tgt Ion: 129 Resp: 137934

Ion Ratio Lower Upper

129 100

127 82.4 53.8 100.0





#51

1,2-Dibromoethane

Concen: 28.333 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

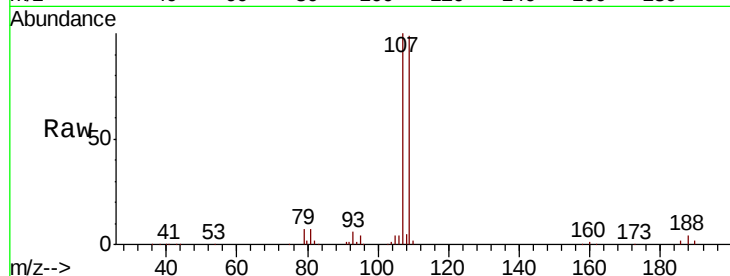
Tot Ion:107 Resp: 110175

Ion Ratio Lower Upper

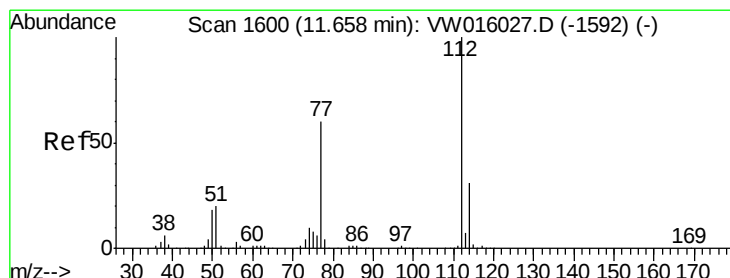
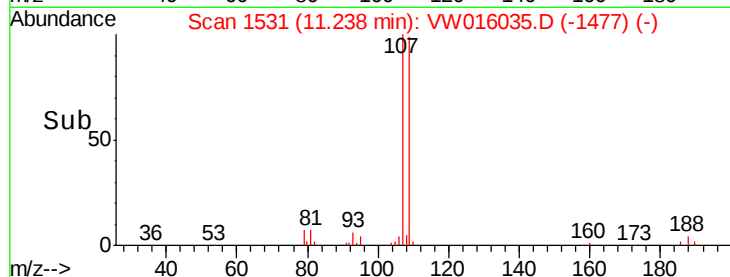
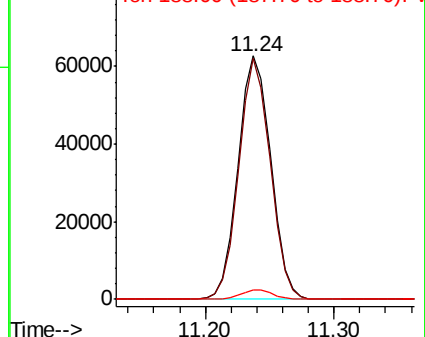
107 100

109 99.0 66.9 124.3

188 3.6 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 29.428 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

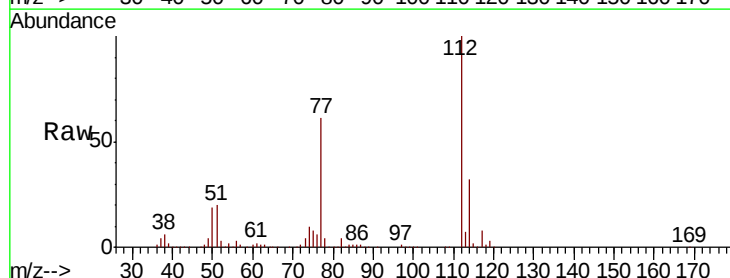
Tgt Ion:112 Resp: 451278

Ion Ratio Lower Upper

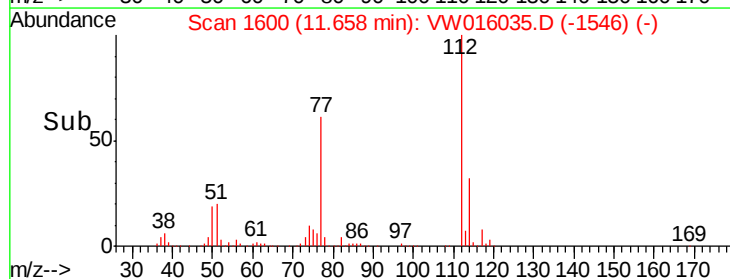
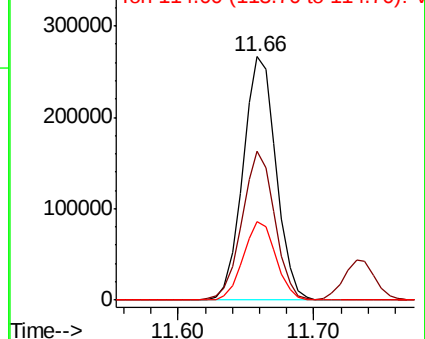
112 100

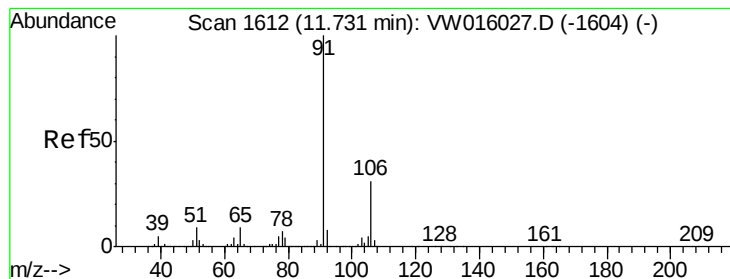
77 61.3 47.8 71.6

114 32.3 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 30.302 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

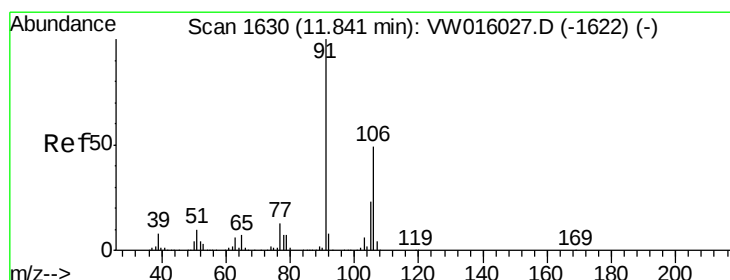
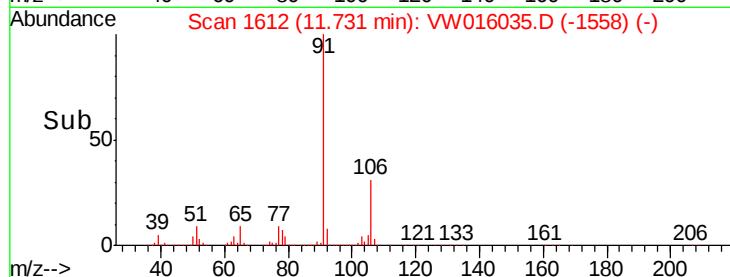
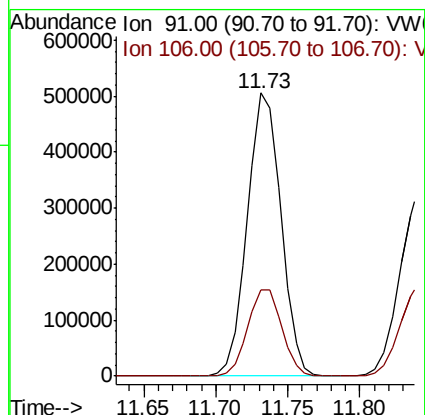
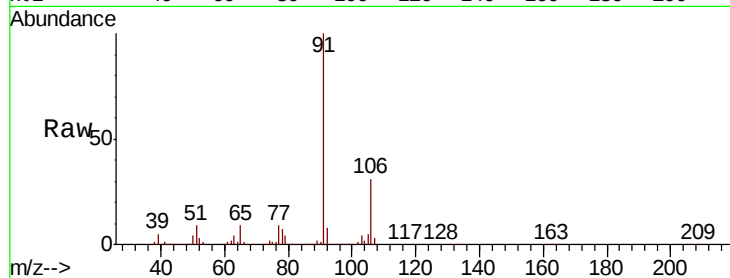
ClientSampleId :

Tot Ion: 91 Resp: 815465

Ion Ratio Lower Upper

91 100

106 30.6 22.4 41.6



#54

m,p-Xylene

Concen: 30.696 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016035.D

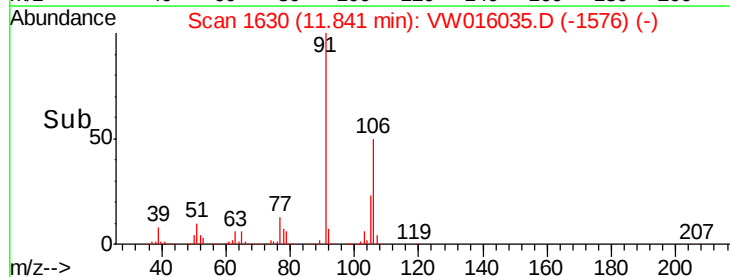
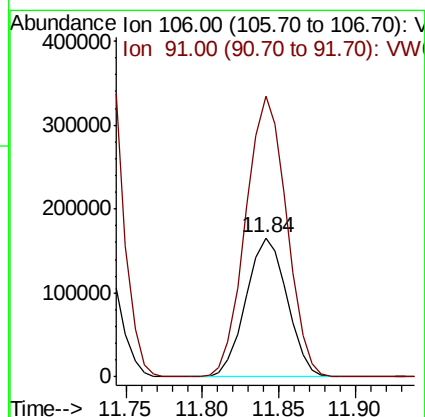
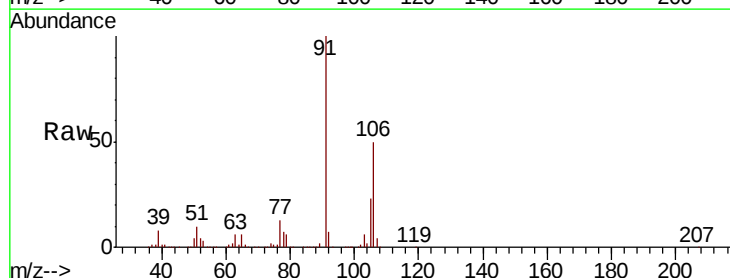
Acq: 03 Aug 2020 15:04

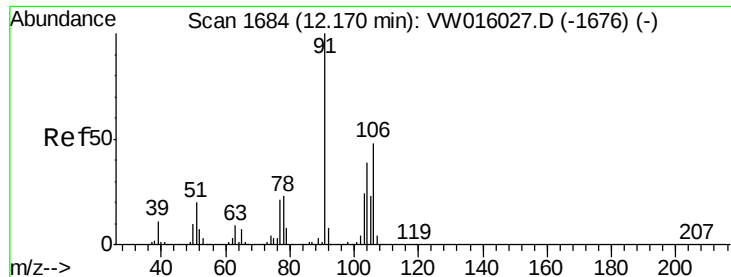
Tgt Ion: 106 Resp: 309049

Ion Ratio Lower Upper

106 100

91 201.8 144.1 267.5





#55

o-xylene

Concen: 30.470 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

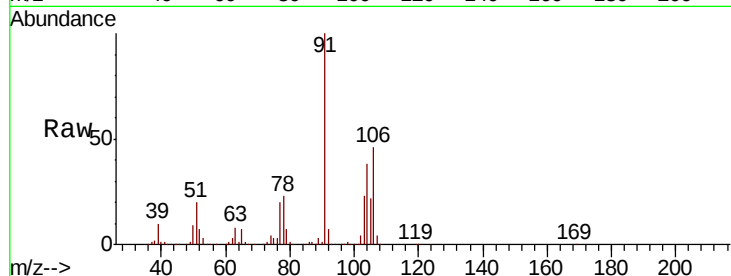
ClientSampled :

Tot Ion:106 Resp: 288867

Ion Ratio Lower Upper

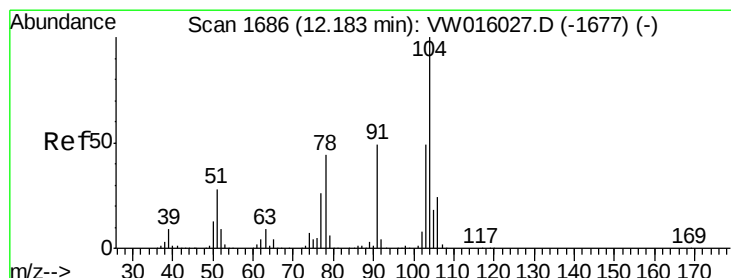
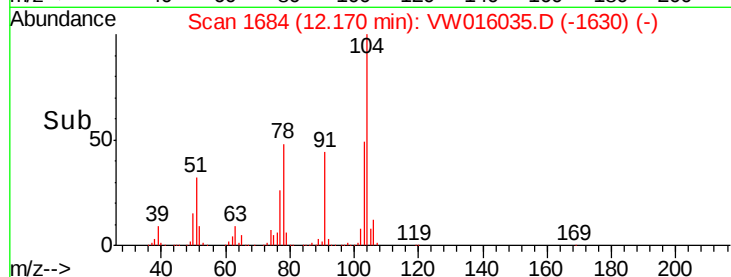
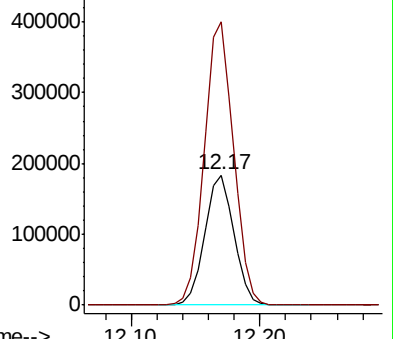
106 100

91 217.0 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 31.051 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016035.D

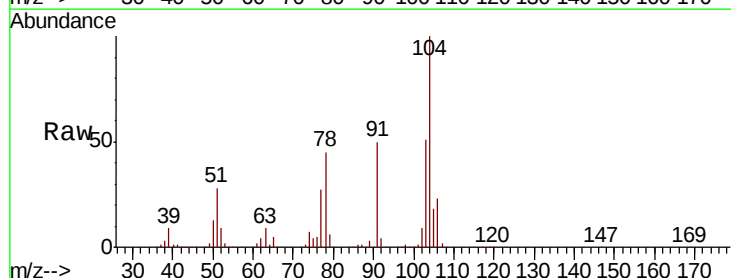
Acq: 03 Aug 2020 15:04

Tgt Ion:104 Resp: 500622

Ion Ratio Lower Upper

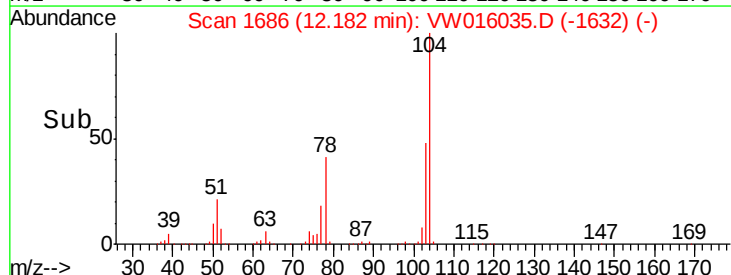
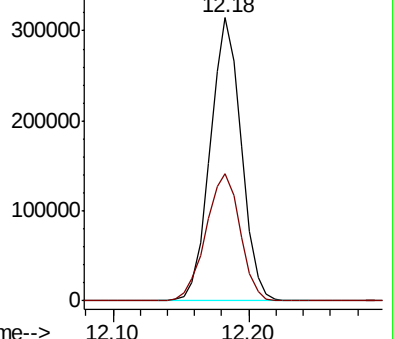
104 100

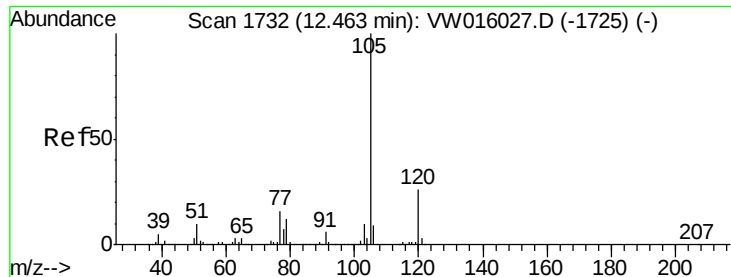
78 44.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 30.625 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

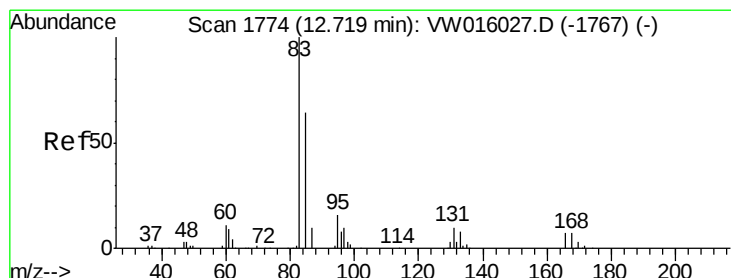
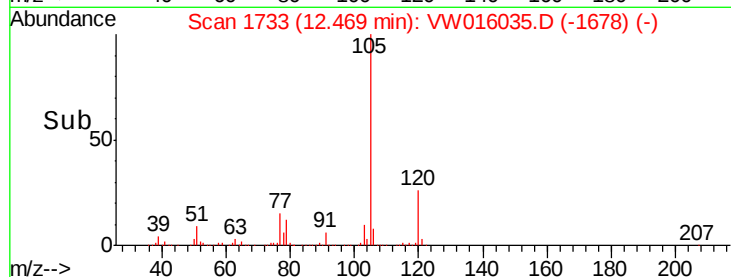
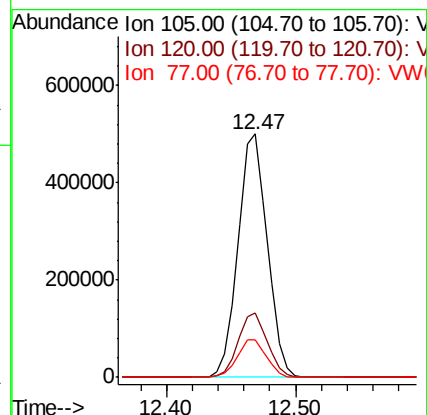
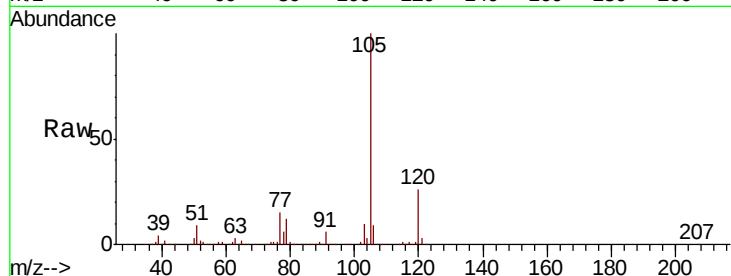
Tot Ion:105 Resp: 790358

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 15.4 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 29.659 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

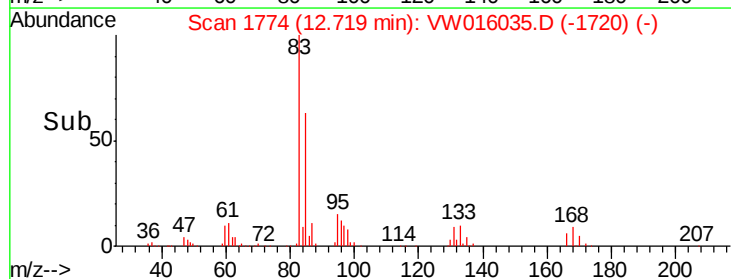
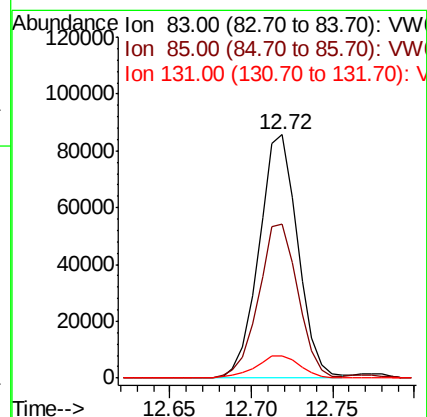
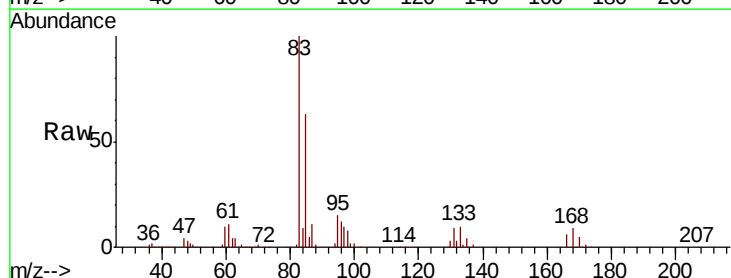
Tgt Ion: 83 Resp: 141566

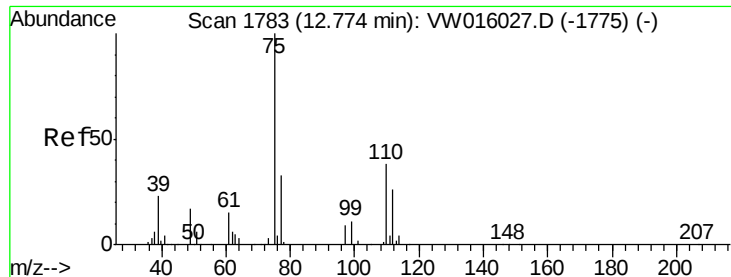
Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

131 9.2 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 28.682 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

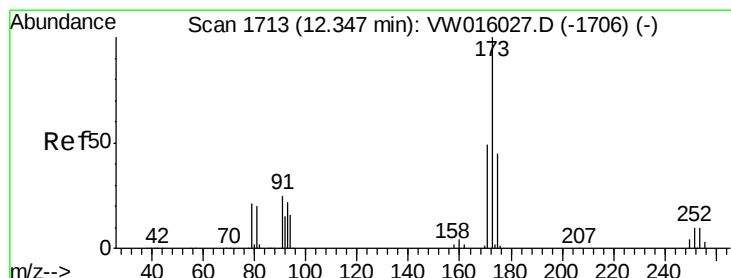
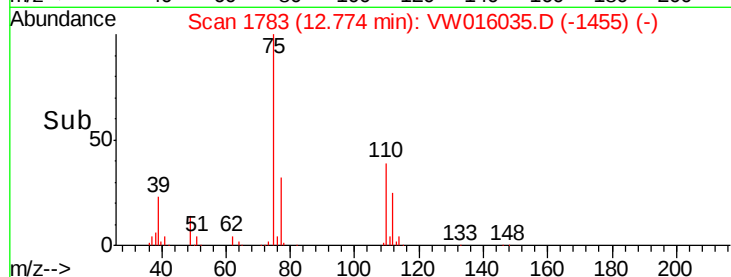
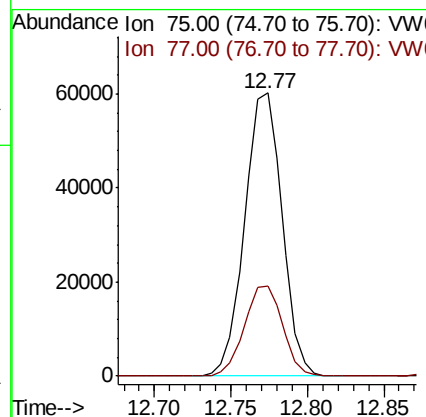
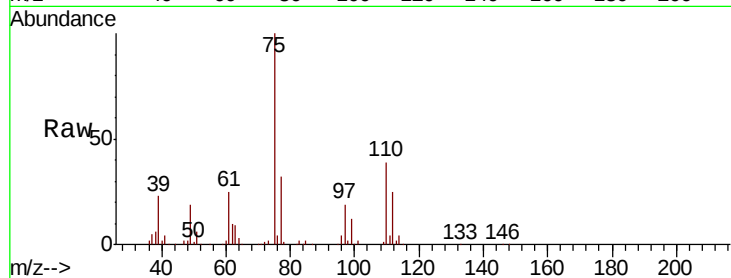
ClientSampleId :

Tot Ion: 75 Resp: 102575

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 28.699 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

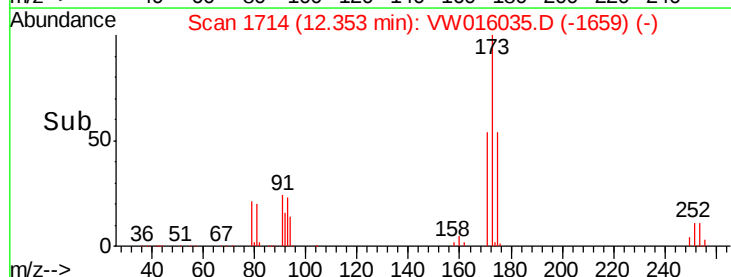
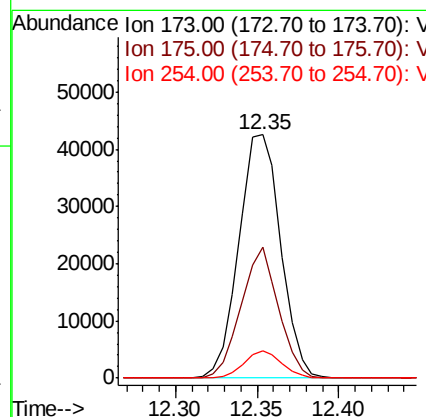
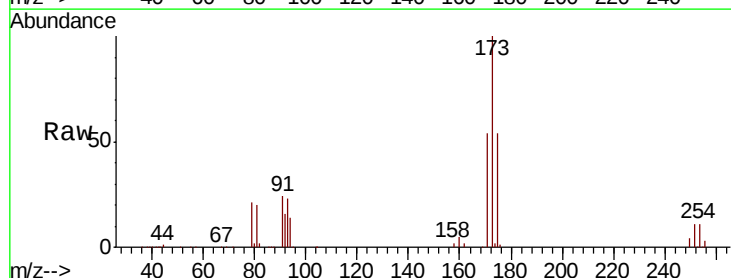
Tgt Ion: 173 Resp: 76045

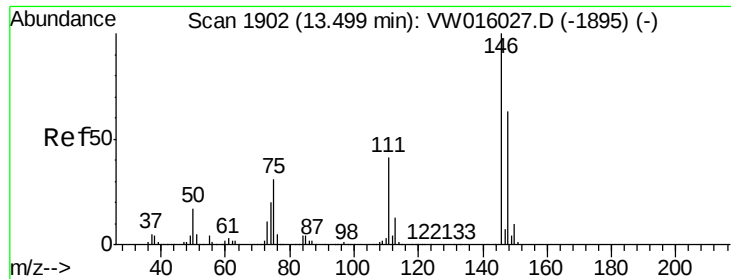
Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 10.1 7.9 11.9

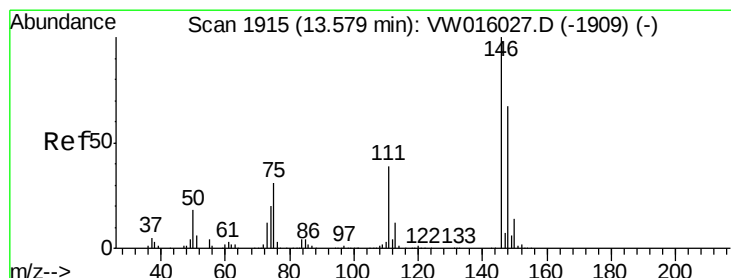
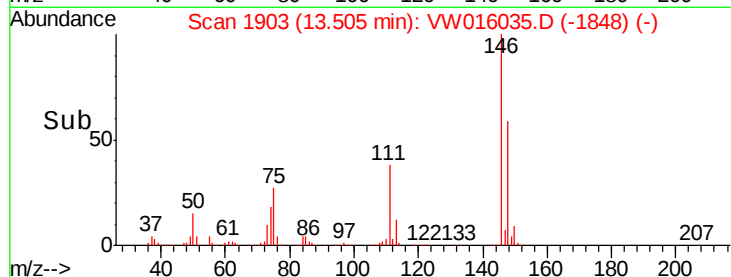
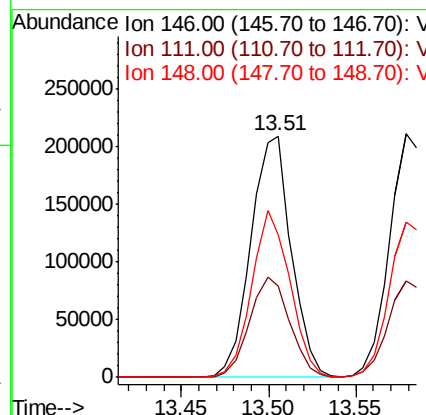
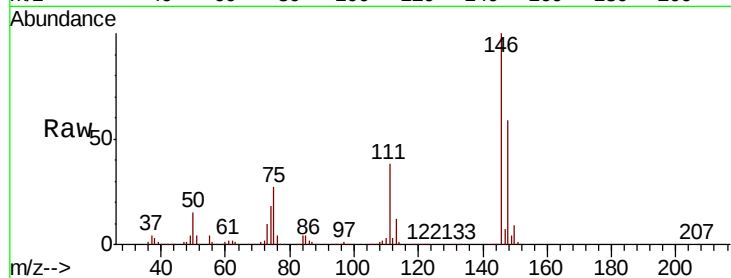




#63
 1,3-Dichlorobenzene
 Concen: 29.216 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

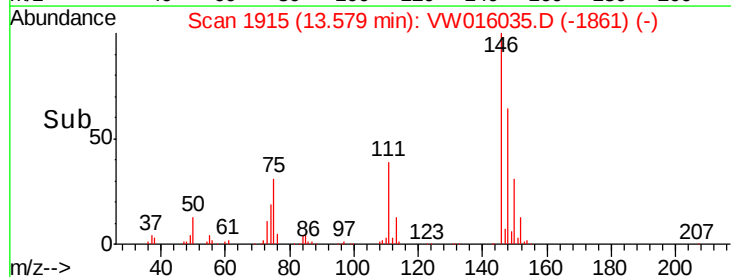
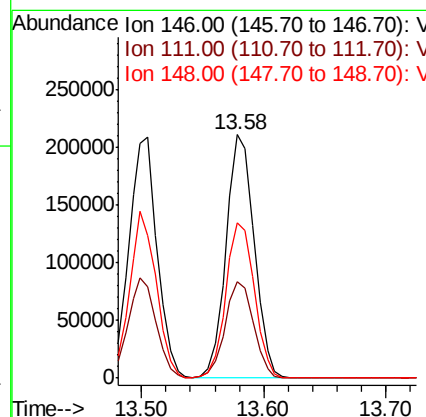
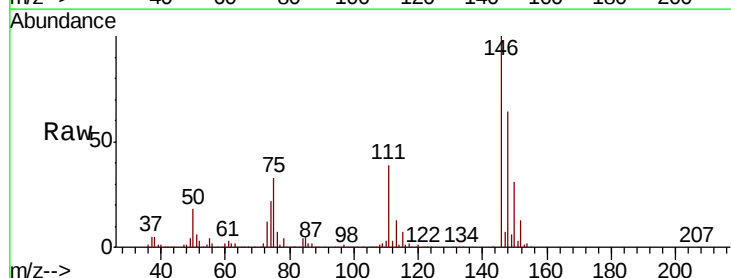
Instrument :
 MSVOA_W
 ClientSampleId :

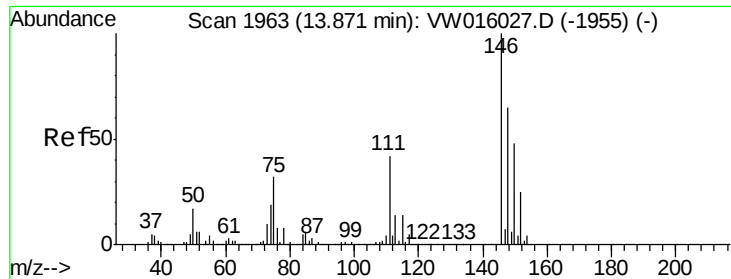
Tot Ion:146 Resp: 336812
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.9 51.7
 148 59.4 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 28.790 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Tgt Ion:146 Resp: 336839
 Ion Ratio Lower Upper
 146 100
 111 39.4 29.3 54.3
 148 63.8 44.5 82.7

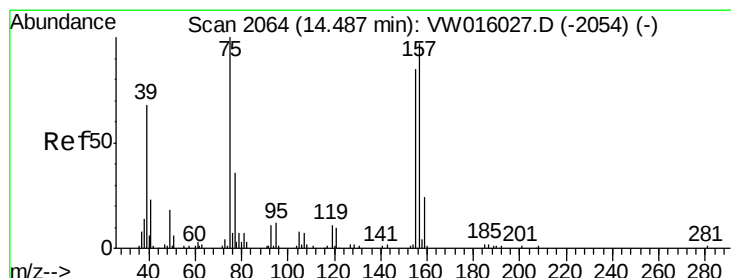
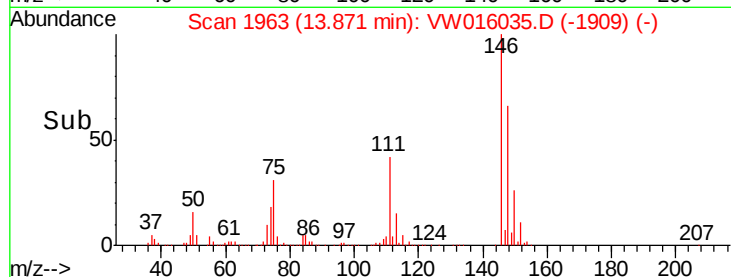
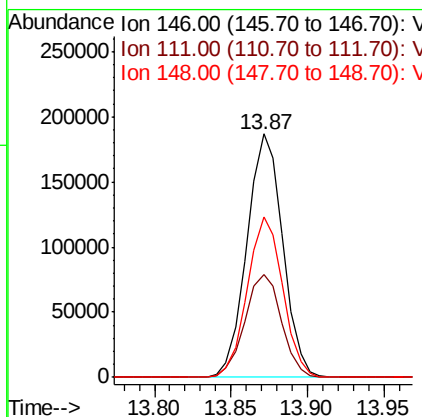
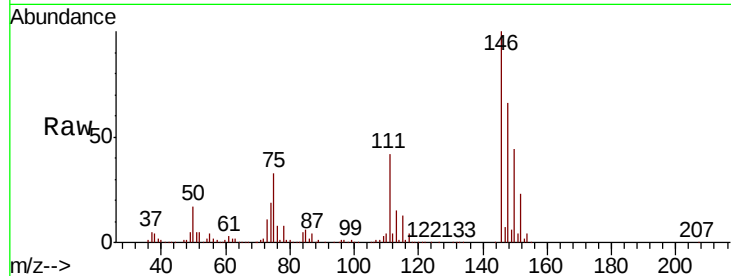




#65
 1,2-Dichlorobenzene
 Concen: 29.047 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

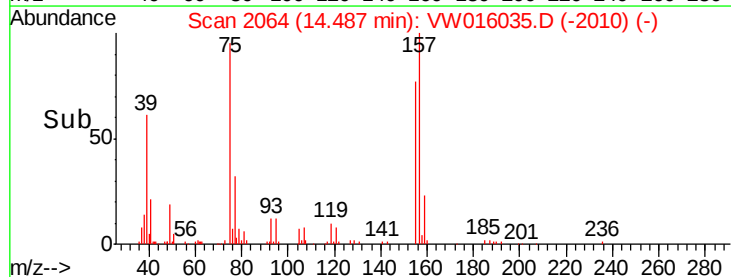
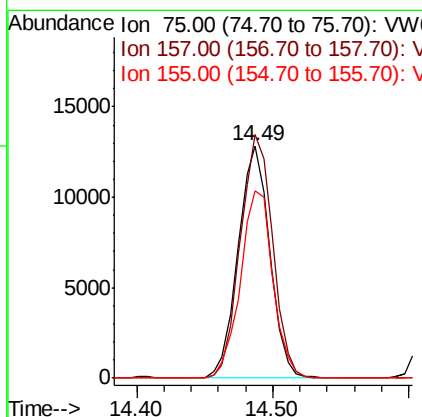
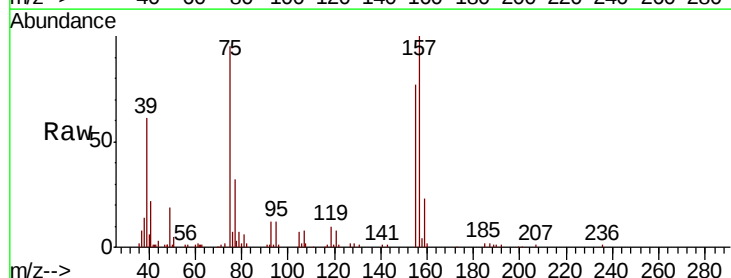
Instrument :
 MSVOA_W
 ClientSampled :

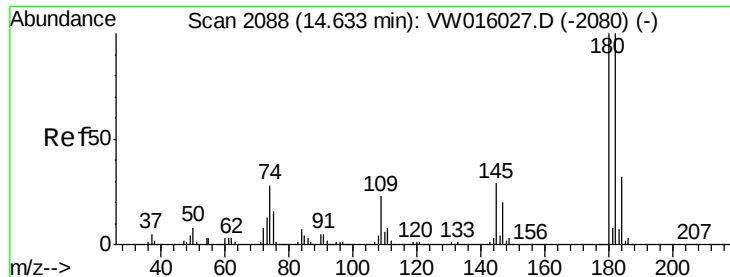
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	32.9	49.3
148	66.1	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.417 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
157	104.8	83.0	124.4
155	80.8	66.9	100.3

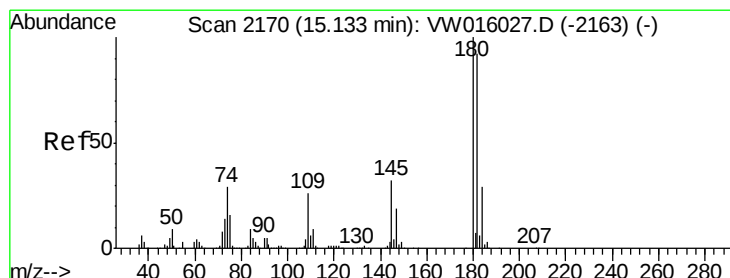
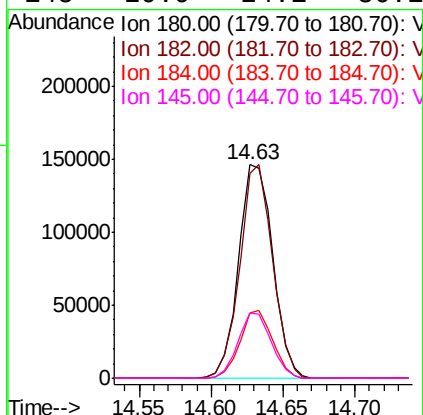
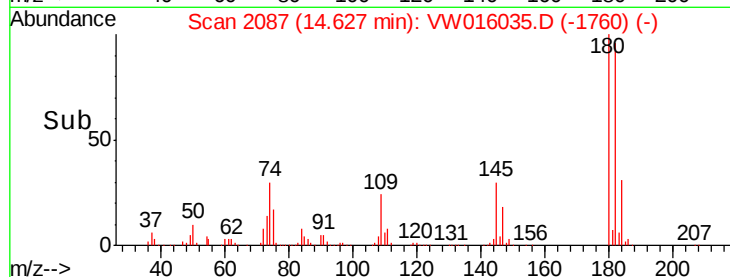
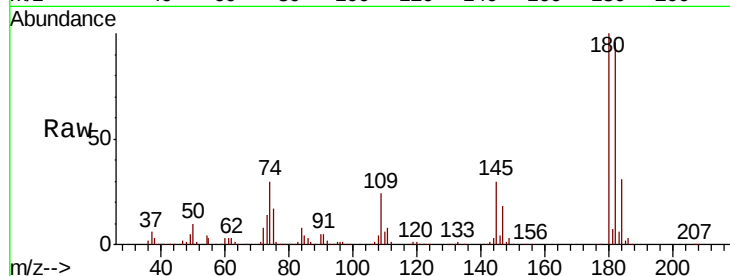




#67
 1,3,5-Trichlorobenzene
 Concen: 29.683 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

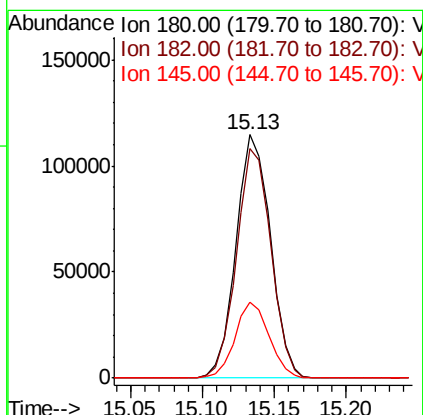
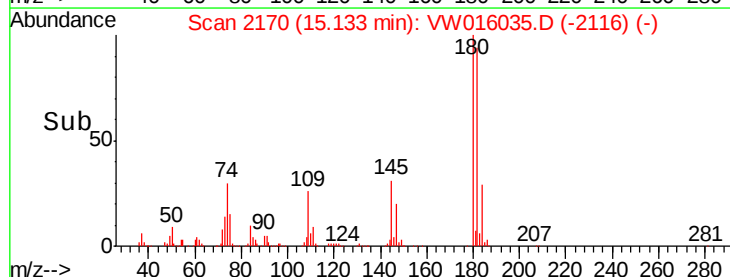
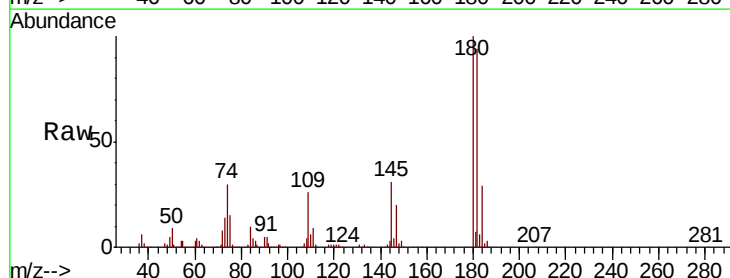
Instrument :
 MSVOA_W
 ClientSampleId :

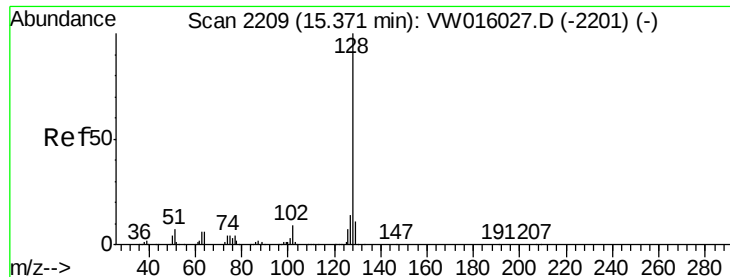
Tot Ion:	180	Resp:	240611
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.4	113.0
184	30.3	24.6	37.0
145	29.9	24.1	36.1



#68
 1,2,4-trichlorobenzene
 Concen: 29.659 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016035.D
 Acq: 03 Aug 2020 15:04

Tgt Ion:	180	Resp:	190957
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	30.9	24.3	36.5





#69

Naphthalene

Concen: 28.313 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

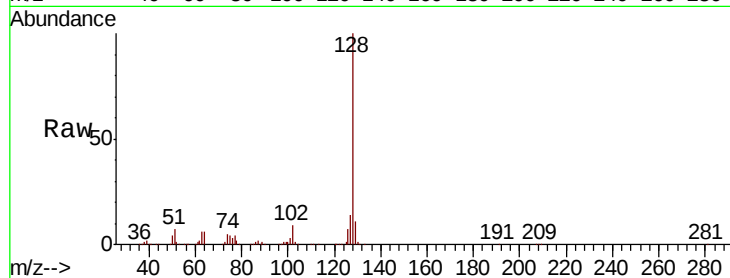
Tot Ion:128 Resp: 343425

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.0 10.5 15.7

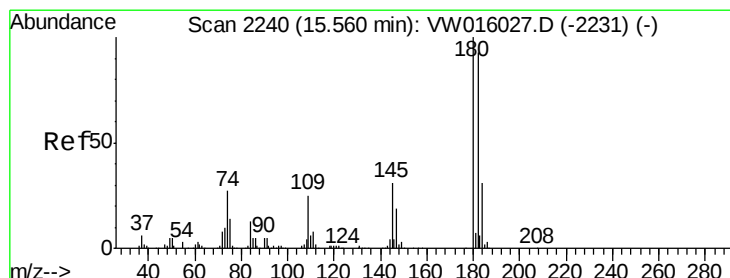
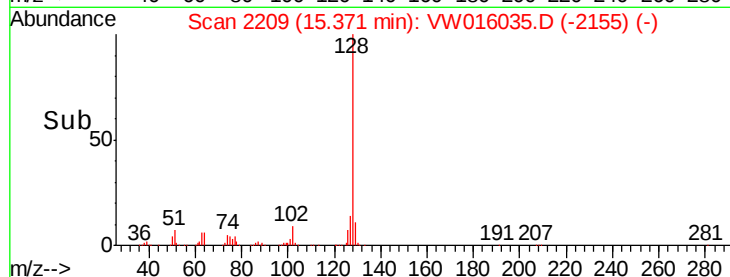
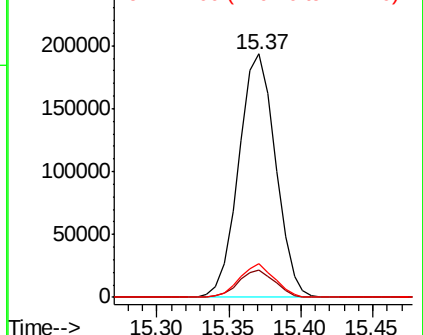


Abundance

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: 29.171 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016035.D

Acq: 03 Aug 2020 15:04

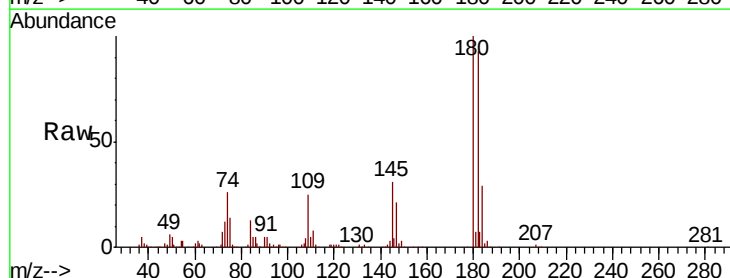
Tgt Ion:180 Resp: 167346

Ion Ratio Lower Upper

180 100

182 94.6 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

