

Data File : VW010913.D
Acq On : 22 Jun 2019 01:08
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV01

Quant Time: Jun 22 06:34:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 06:31:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	354920	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330153	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161040	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92282	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
7) Chloroethane-d5	2.88	69	75737	21.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.88%
10) 1,1-Dichloroethene-d2	4.02	63	221207	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.40%
20) 2-Butanone-d5	7.07	46	101738	41.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.96%
24) Chloroform-d	7.64	84	214921	21.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.84%
26) 1,2-Dichloroethane-d4	8.30	65	139265	21.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.48%
29) Benzene-d6	8.27	84	425326	21.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.96%
33) 1,2-Dichloropropane-d6	9.27	67	145651	21.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.60%
37) Toluene-d8	10.32	98	385593	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.84%
38) trans-1,3-Dichloropropene-	10.58	79	61225	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.04%
39) 2-Hexanone-d5	10.92	63	66043	41.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124220	21.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	134909	21.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	122116	26.332	ug/L 91
3) Chloromethane	2.21	50	130364	24.312	ug/L 99
5) Vinyl chloride	2.36	62	143308	26.278	ug/L 96
6) Bromomethane	2.77	94	77406	25.944	ug/L 98
8) Chloroethane	2.92	64	79566	25.445	ug/L 98
9) Trichlorofluoromethane	3.25	101	43843	26.926	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	112566	25.579	ug/L 97
12) 1,1-Dichloroethene	4.04	96	111544	25.517	ug/L 89
13) Acetone	4.11	43	86924	47.527	ug/L 99
14) Carbon disulfide	4.39	76	327600	26.409	ug/L 99
15) Methyl Acetate	4.66	43	97606	26.006	ug/L 98
16) Methylene chloride	4.91	84	134315	24.839	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	201299	26.474	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	120020	25.465	ug/L 96
19) 1,1-Dichloroethane	6.21	63	250800	26.099	ug/L 99
21) 2-Butanone	7.17	43	136681	48.948	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	134776	25.870	ug/L 97

Data File : VW010913.D
Acq On : 22 Jun 2019 01:08
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV01

Quant Time: Jun 22 06:34:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 06:31:33 2019
Response via : Initial Calibration

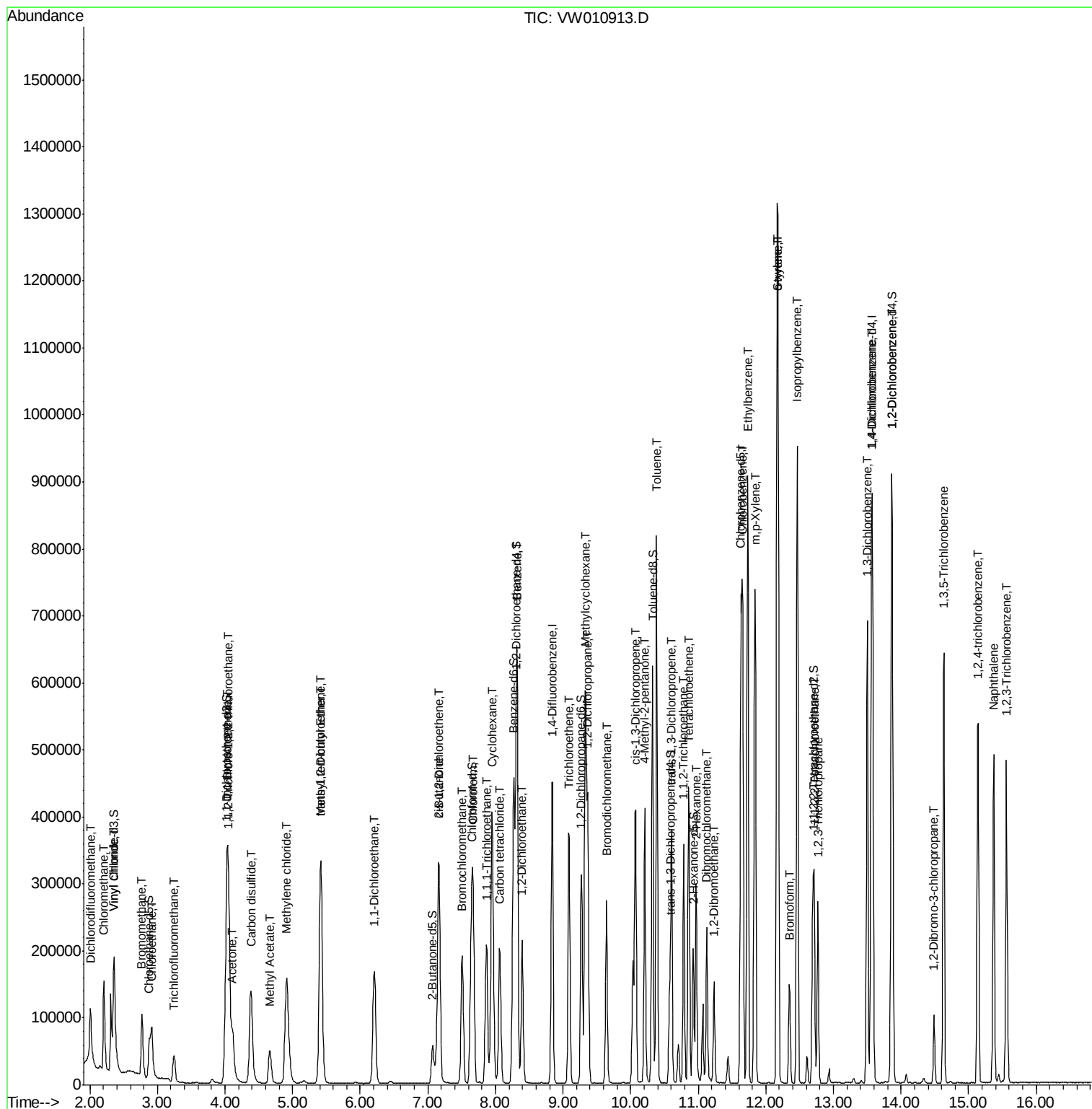
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58870	26.002	ug/L	93
25) Chloroform	7.67	83	236567	26.097	ug/L	99
27) 1,2-Dichloroethane	8.40	62	194802	26.599	ug/L	99
30) Cyclohexane	7.95	56	237879	25.203	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	161397	26.165	ug/L	100
32) Carbon tetrachloride	8.06	117	147807	25.941	ug/L	100
34) Benzene	8.32	78	528564	26.079	ug/L	100
35) Trichloroethene	9.09	95	130294	25.953	ug/L	99
36) Methylcyclohexane	9.33	83	222919	25.365	ug/L	99
40) 1,2-Dichloropropane	9.37	63	149712	26.410	ug/L	100
41) Bromodichloromethane	9.64	83	174313	26.733	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	222634	26.749	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	286032	52.333	ug/L	99
44) Toluene	10.38	91	549633	26.120	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	184614	26.447	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	105077	26.495	ug/L	97
47) Tetrachloroethene	10.86	164	94178	25.468	ug/L	99
49) 2-Hexanone	10.97	43	200543	52.124	ug/L	100
50) Dibromochloromethane	11.13	129	113789	26.948	ug/L	98
51) 1,2-Dibromoethane	11.23	107	101703	26.039	ug/L	98
52) Chlorobenzene	11.66	112	336622	25.945	ug/L	100
53) Ethylbenzene	11.73	91	610215	25.877	ug/L	100
54) m,p-Xylene	11.84	106	223243	26.018	ug/L	99
55) o-xylene	12.16	106	217402	25.782	ug/L	98
56) Styrene	12.18	104	385833	26.645	ug/L	98
57) Isopropylbenzene	12.46	105	574217	26.027	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	137172	26.074	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	108600	25.990	ug/L	99
62) Bromoform	12.35	173	64751	26.603	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	255295	25.607	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	258666	25.417	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	241283	25.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24352	25.221	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	188206	24.936	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	163555	24.926	ug/L	99
69) Naphthalene	15.37	128	385128	26.133	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	156267	25.623	ug/L	99

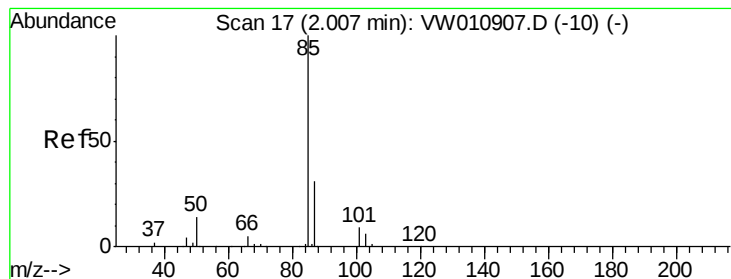
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010913.D
Acq On : 22 Jun 2019 01:08
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV01

Quant Time: Jun 22 06:34:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 06:31:33 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.332 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

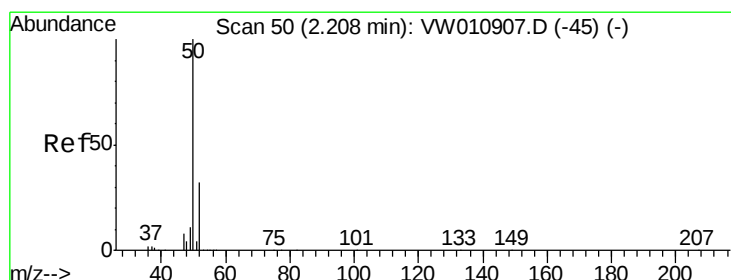
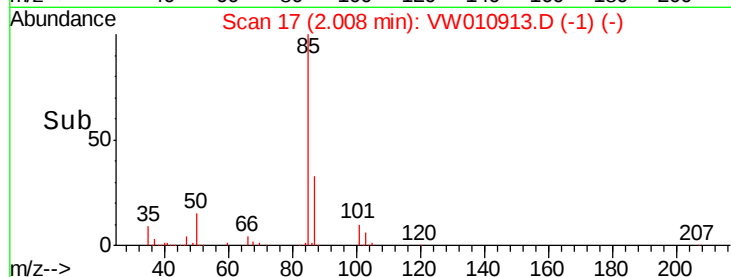
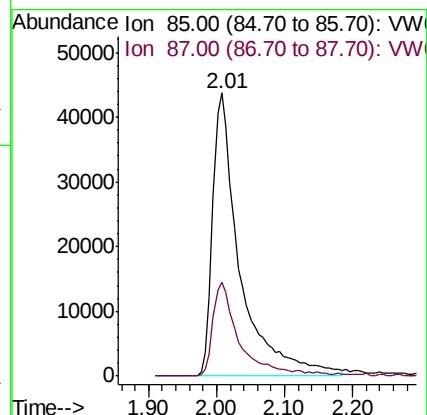
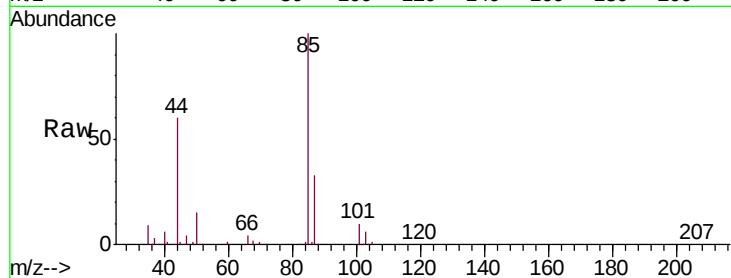
VICV01

Tgt Ion: 85 Resp: 122116

Ion Ratio Lower Upper

85 100

87 28.3 23.4 43.4



#3

Chloromethane

Concen: 24.312 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010913.D

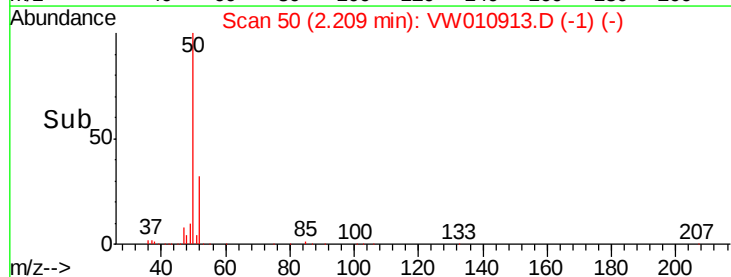
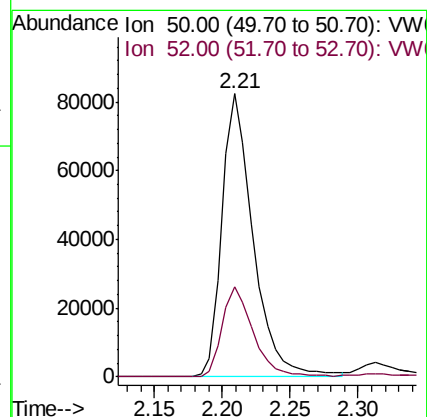
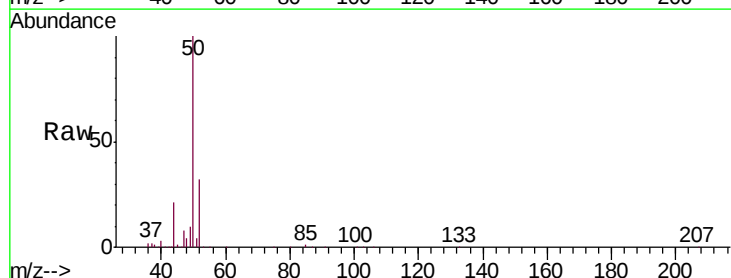
Acq: 22 Jun 2019 01:08

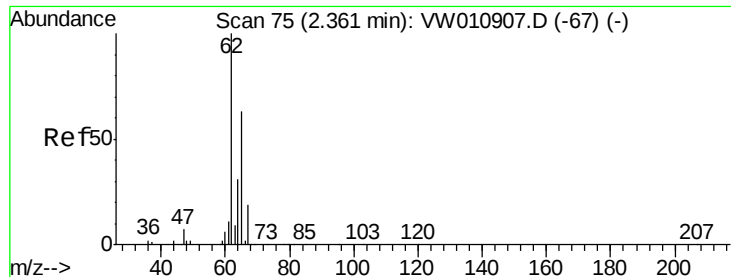
Tgt Ion: 50 Resp: 130364

Ion Ratio Lower Upper

50 100

52 32.0 22.2 41.2





#5

Vinyl chloride

Concen: 26.278 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

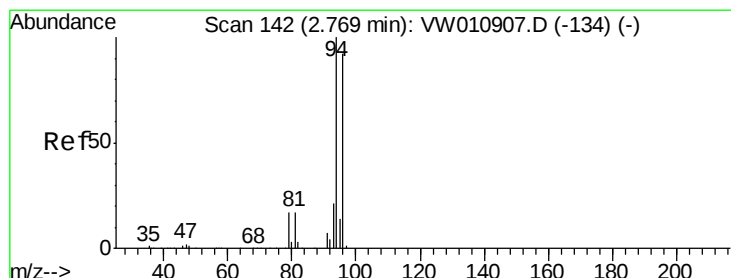
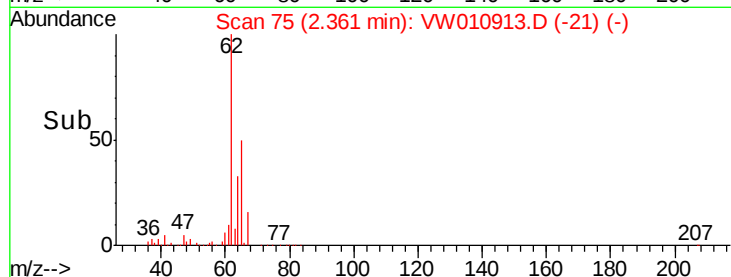
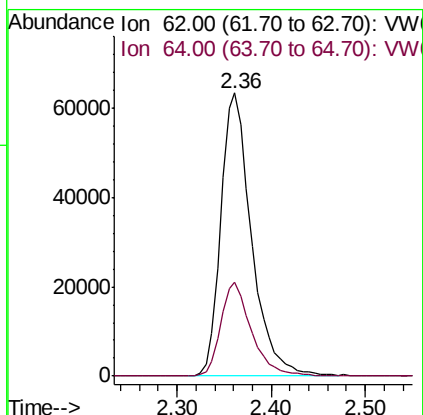
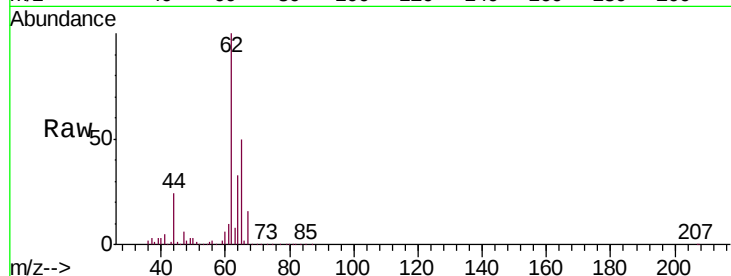
VICV01

Tgt Ion: 62 Resp: 143308

Ion Ratio Lower Upper

62 100

64 33.3 21.8 40.6



#6

Bromomethane

Concen: 25.944 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010913.D

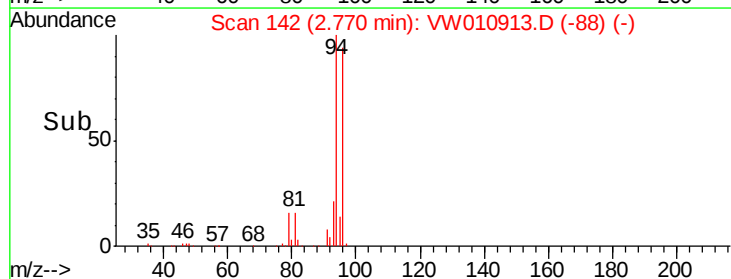
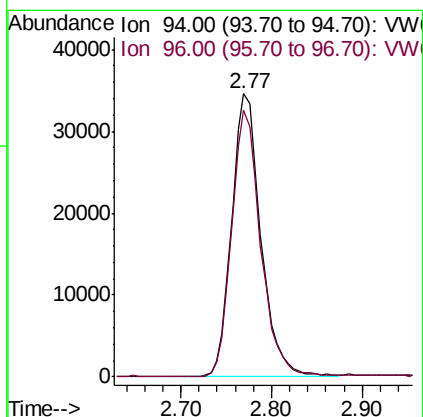
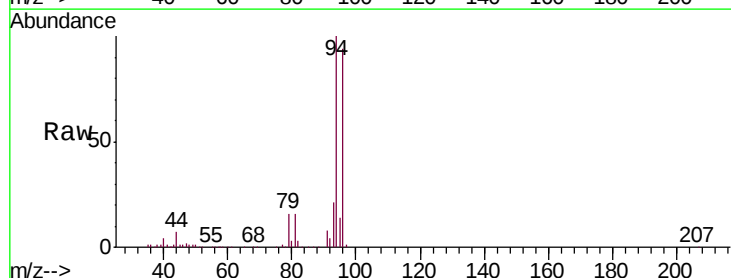
Acq: 22 Jun 2019 01:08

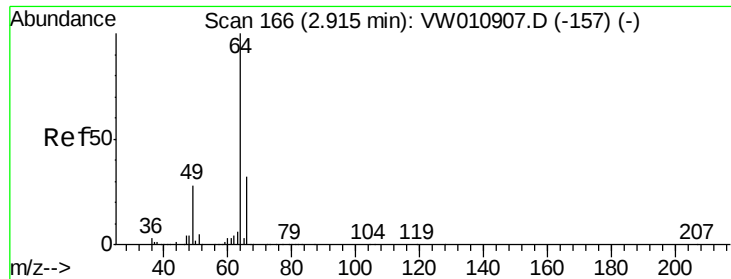
Tgt Ion: 94 Resp: 77406

Ion Ratio Lower Upper

94 100

96 94.2 9.2 175.6





#8

Chloroethane

Concen: 25.445 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

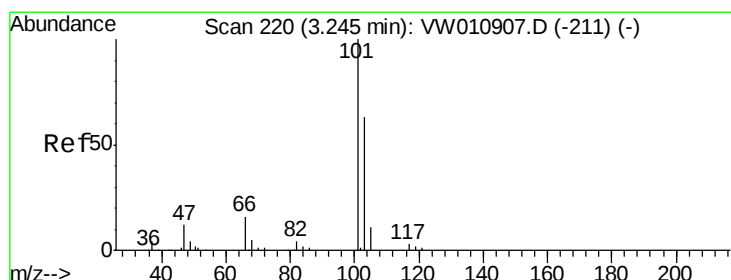
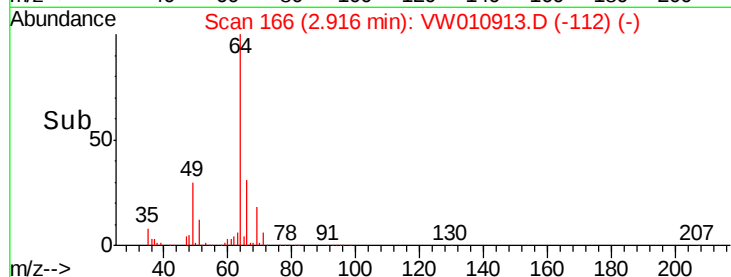
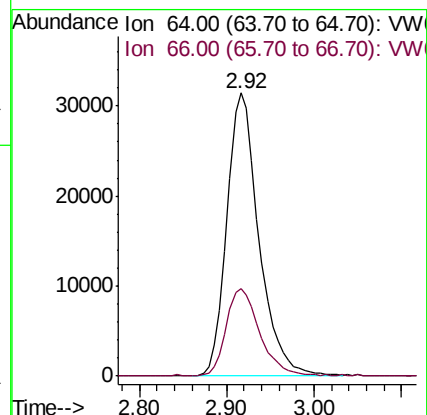
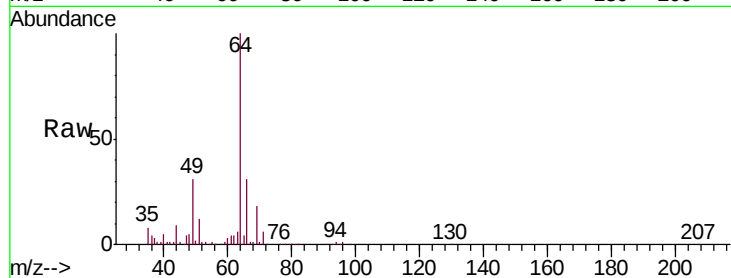
VICV01

Tgt Ion: 64 Resp: 79566

Ion Ratio Lower Upper

64 100

66 30.9 22.6 42.0



#9

Trichlorofluoromethane

Concen: 26.926 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW010913.D

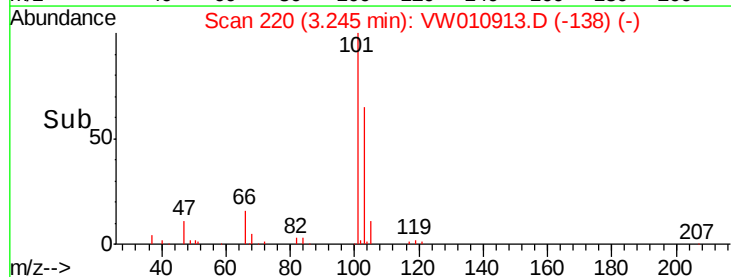
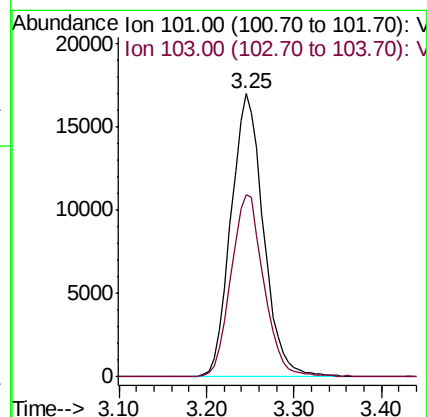
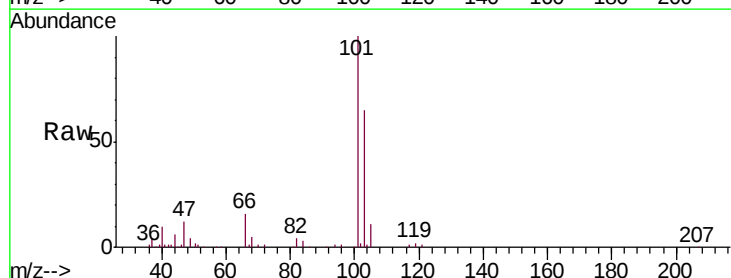
Acq: 22 Jun 2019 01:08

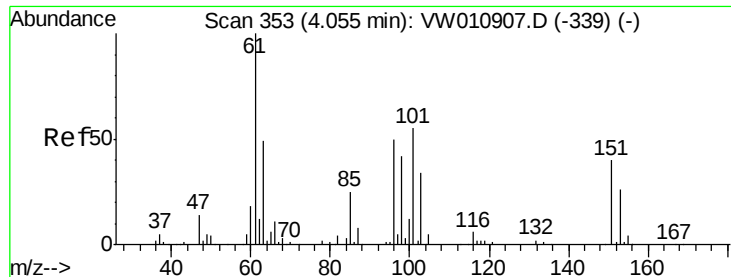
Tgt Ion: 101 Resp: 43843

Ion Ratio Lower Upper

101 100

103 64.8 46.1 85.5





#11

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

Concen: 25.579 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VICV01

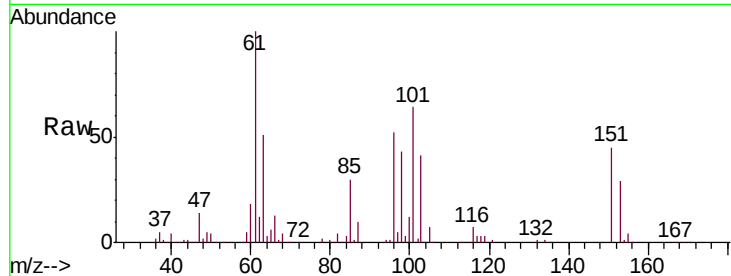
Tgt Ion: 101 Resp: 112566

Ion Ratio Lower Upper

101 100

85 44.4 36.5 54.7

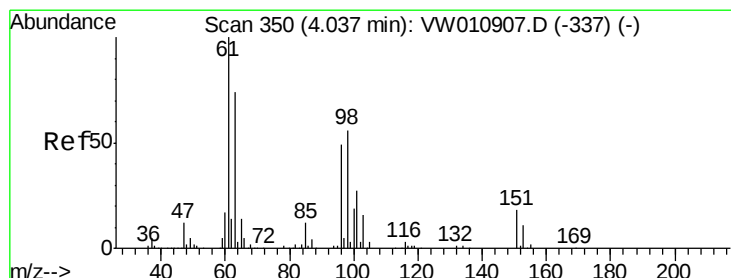
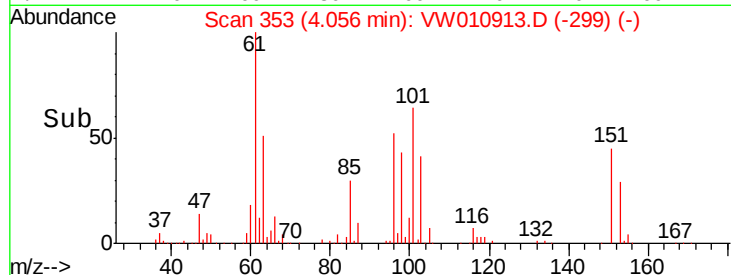
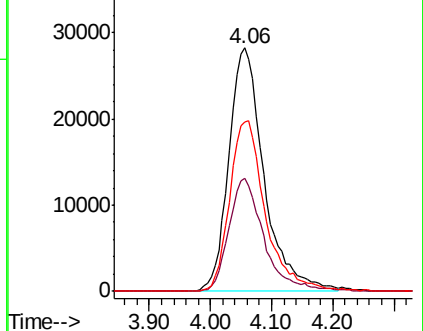
151 70.4 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.517 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

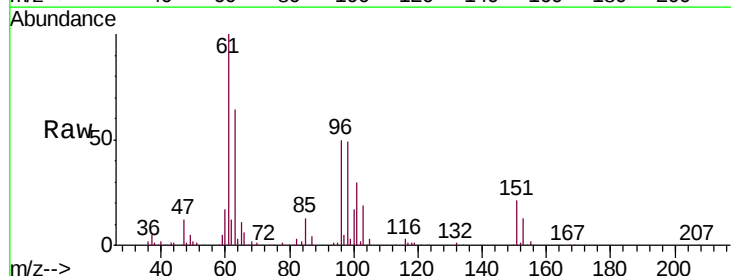
Tgt Ion: 96 Resp: 111544

Ion Ratio Lower Upper

96 100

61 200.2 144.3 267.9

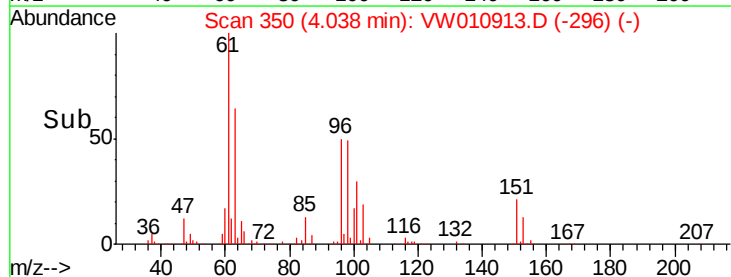
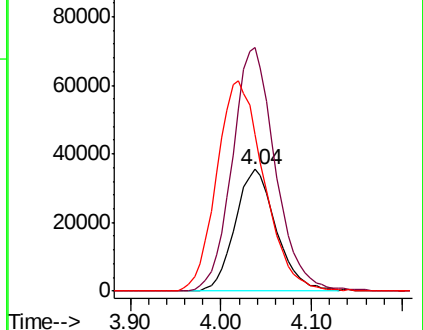
63 128.6 108.4 201.2

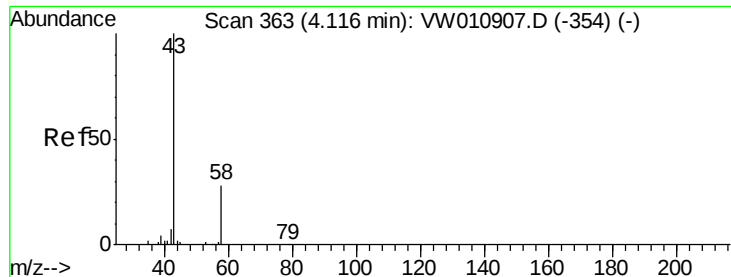


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.527 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

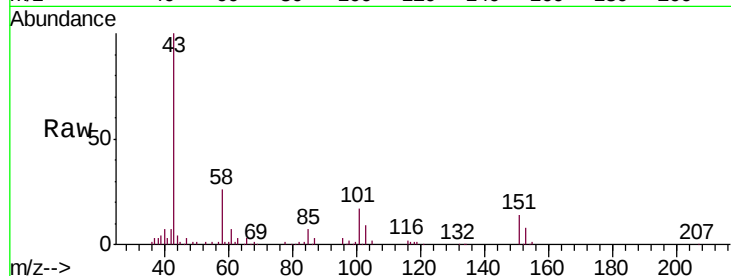
VICV01

Tgt Ion: 43 Resp: 86924

Ion Ratio Lower Upper

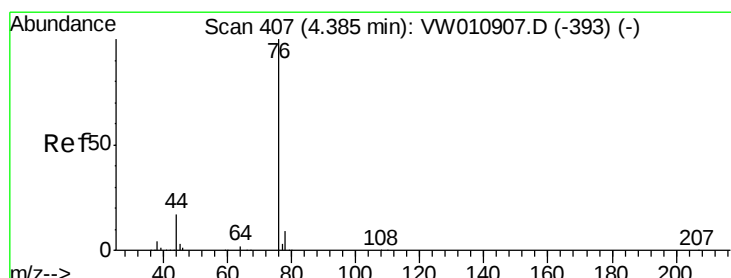
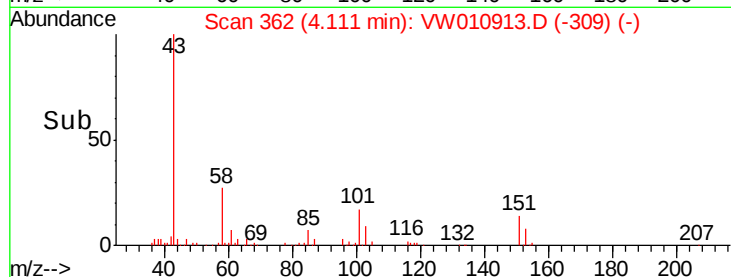
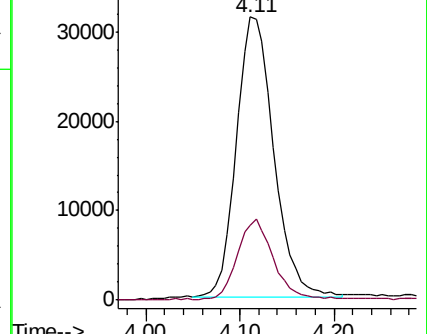
43 100

58 27.5 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.409 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010913.D

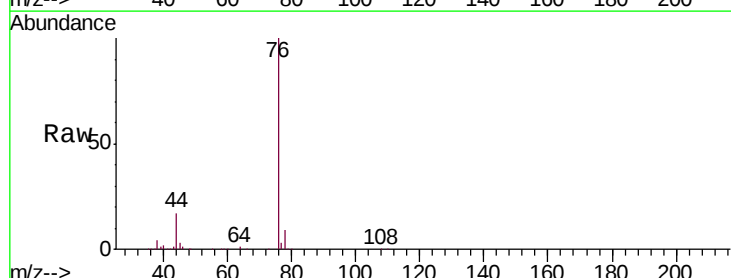
Acq: 22 Jun 2019 01:08

Tgt Ion: 76 Resp: 327600

Ion Ratio Lower Upper

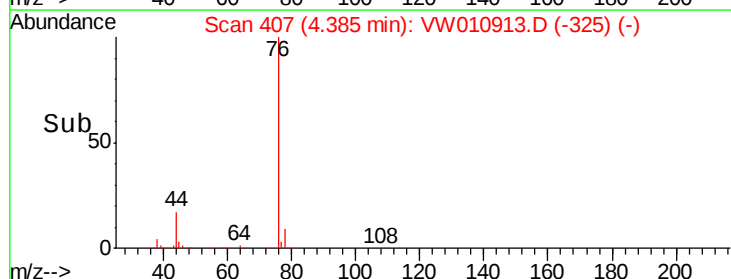
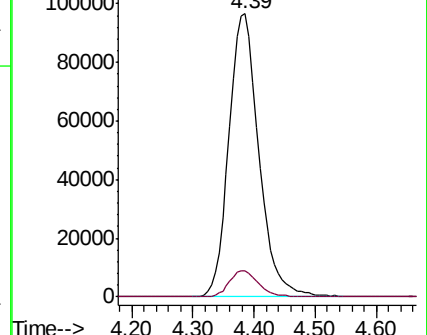
76 100

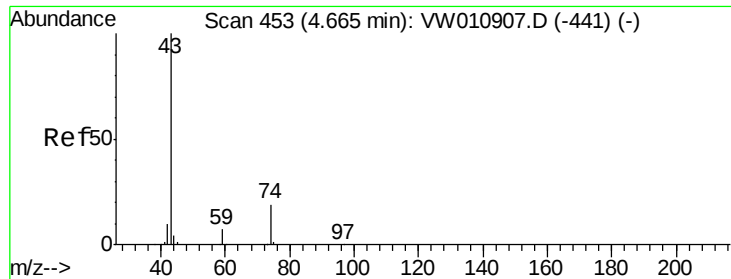
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

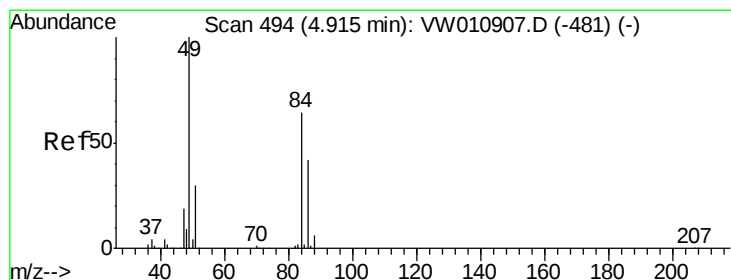
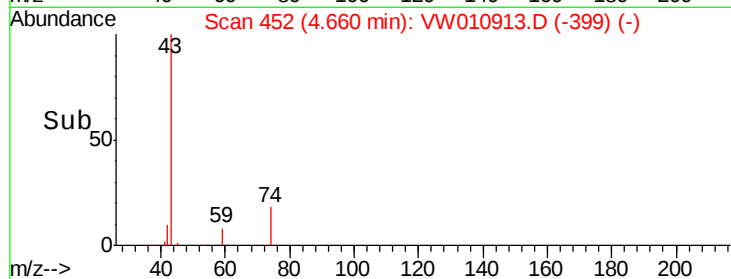
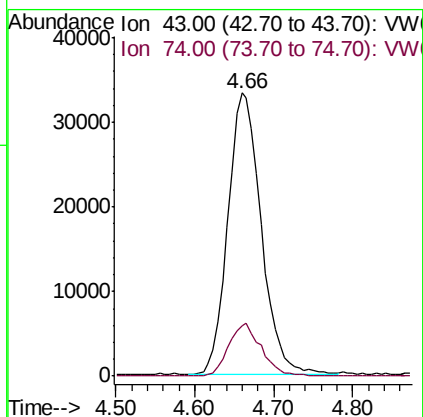
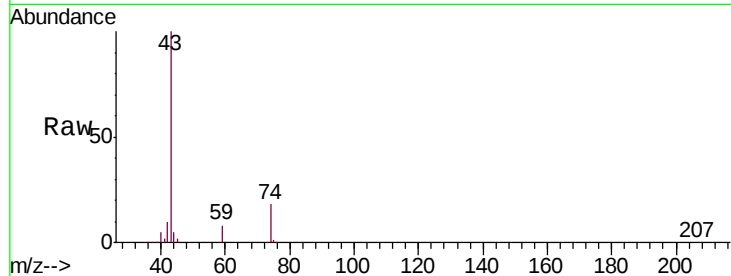




#15
Methyl Acetate
Concen: 26.006 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

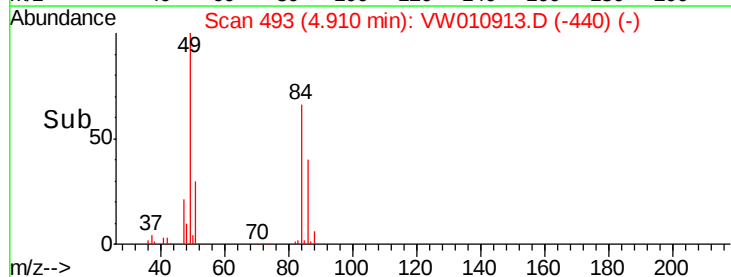
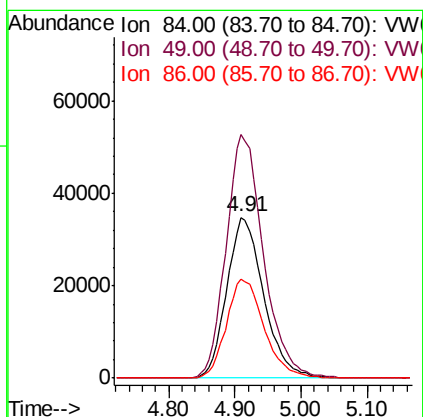
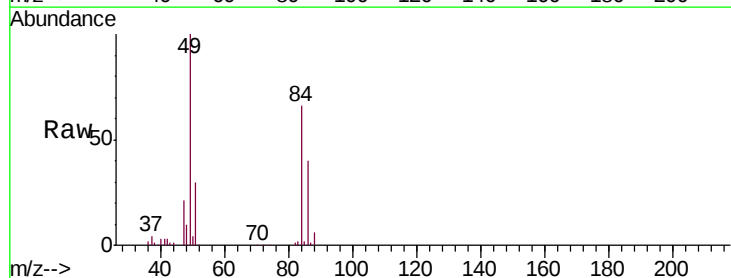
Instrument :
MSVOA_W
ClientSampleId :
VICV01

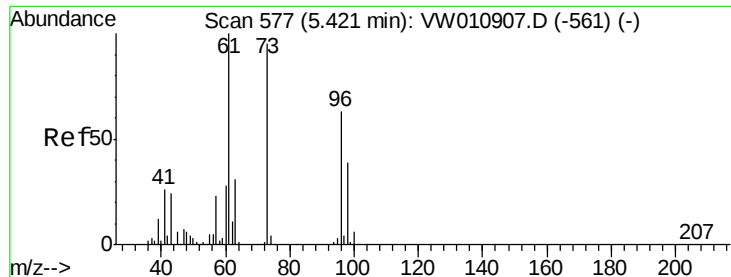
Tgt Ion: 43 Resp: 97606
Ion Ratio Lower Upper
43 100
74 18.3 15.3 22.9



#16
Methylene chloride
Concen: 24.839 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

Tgt Ion: 84 Resp: 134315
Ion Ratio Lower Upper
84 100
49 151.2 109.8 203.8
86 61.1 46.5 86.5

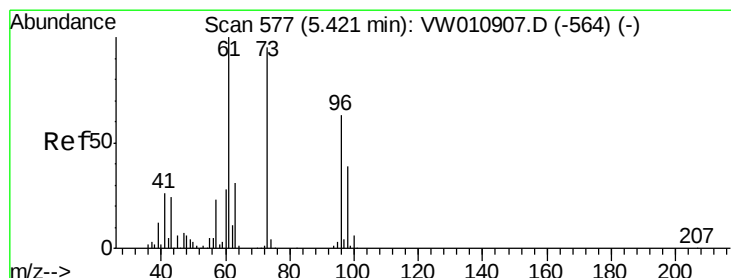
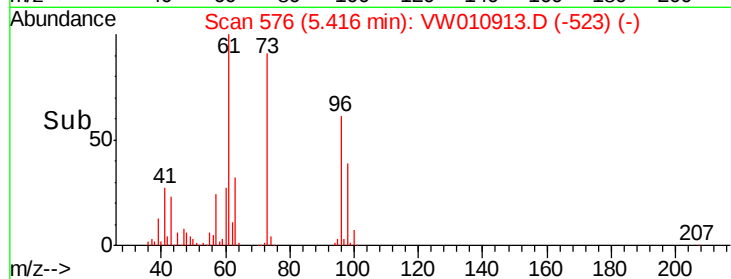
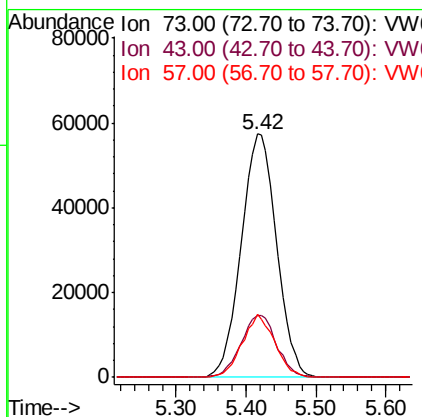
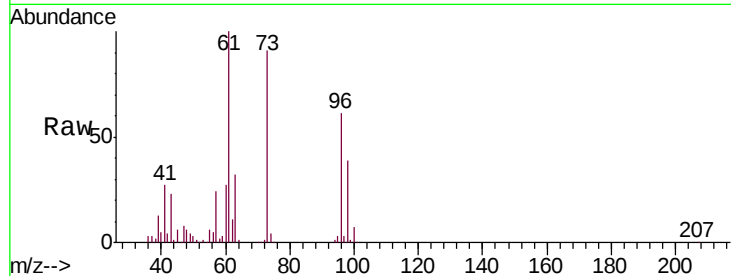




#17
Methyl tert-butyl Ether
Concen: 26.474 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

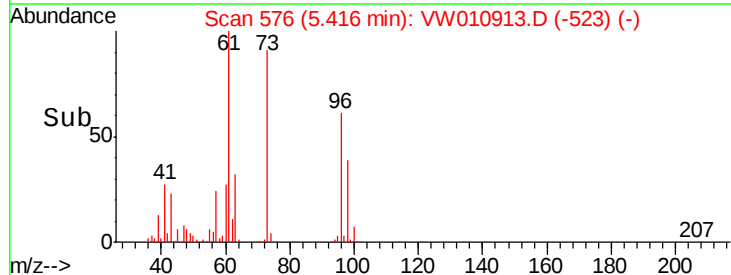
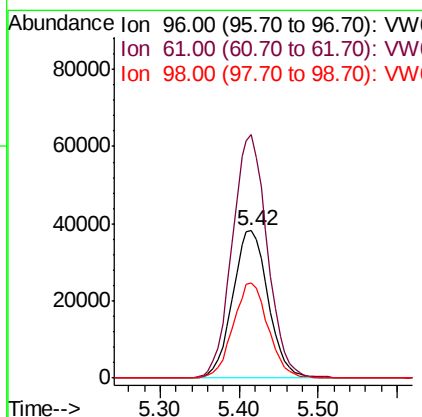
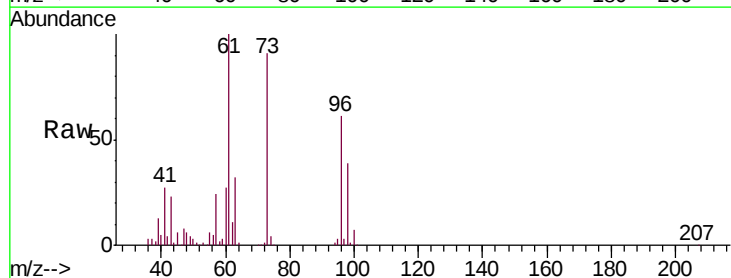
Instrument :
MSVOA_W
ClientSampleId :
VICV01

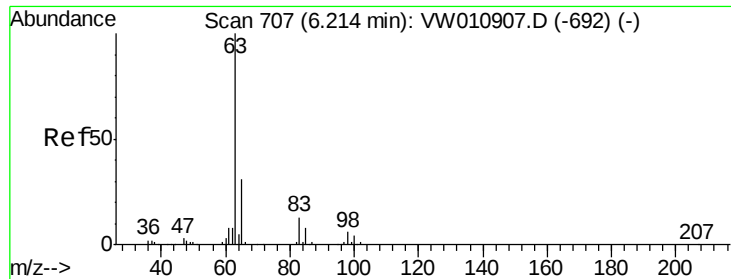
Tgt Ion: 73 Resp: 201299
Ion Ratio Lower Upper
73 100
43 25.4 20.4 30.6
57 23.8 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 25.465 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

Tgt Ion: 96 Resp: 120020
Ion Ratio Lower Upper
96 100
61 165.2 111.7 207.5
98 64.6 43.5 80.9

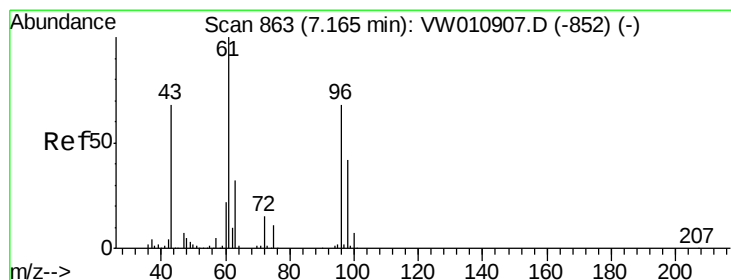
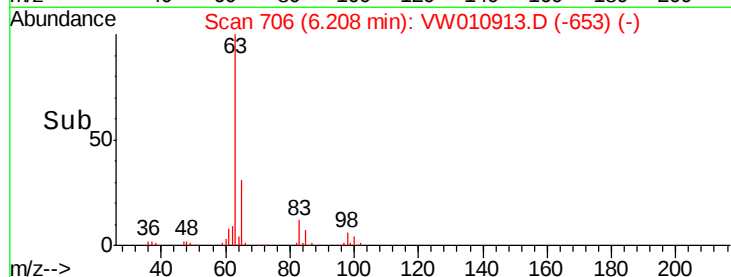
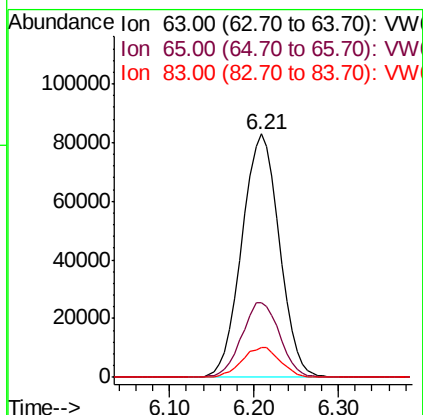
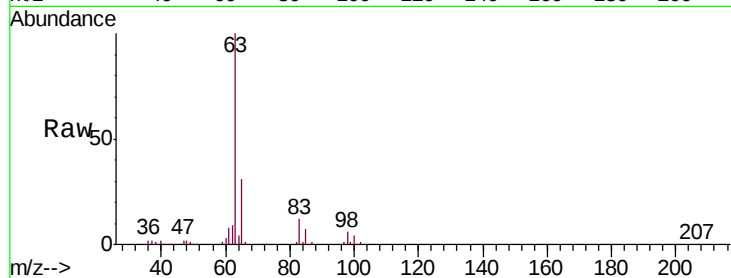




#19
 1,1-Dichloroethane
 Concen: 26.099 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

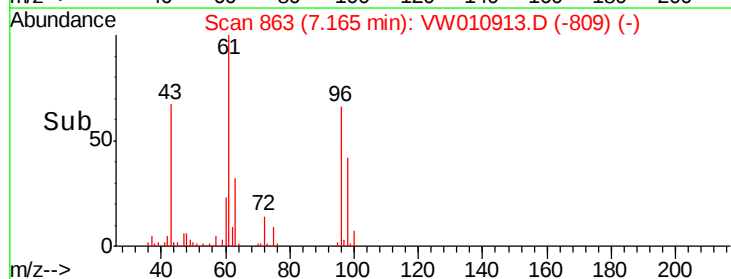
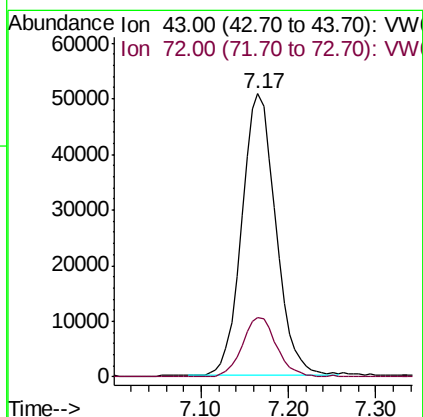
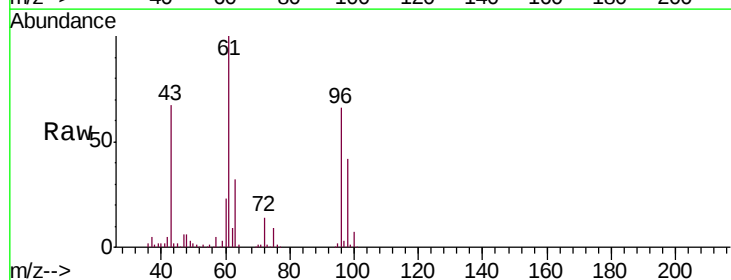
Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

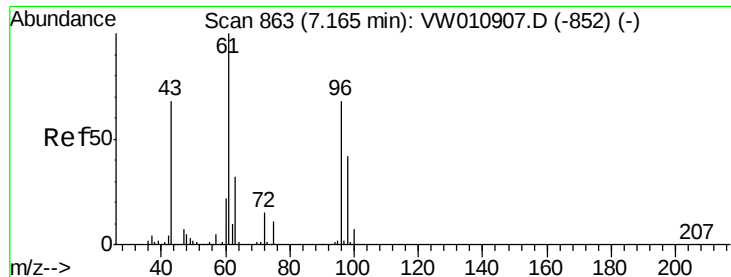
Tgt Ion: 63 Resp: 250800
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.8 40.4
 83 12.5 8.8 16.4



#21
 2-Butanone
 Concen: 48.948 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion: 43 Resp: 136681
 Ion Ratio Lower Upper
 43 100
 72 21.4 11.1 33.1



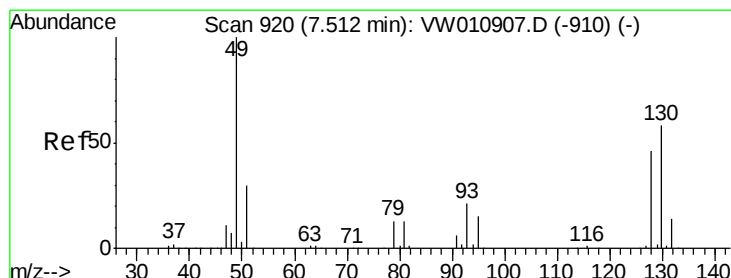
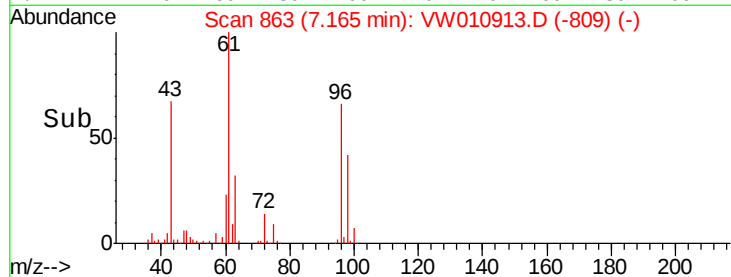
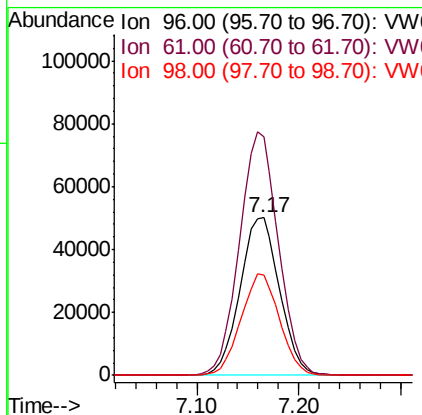
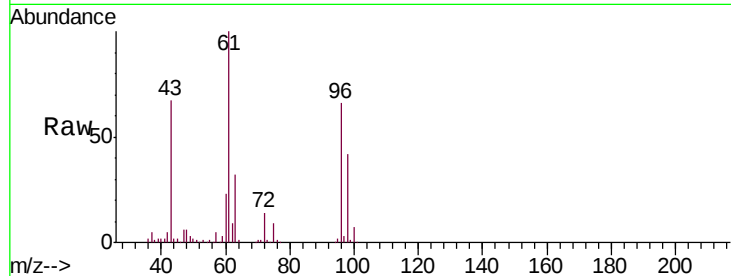


#22

cis-1,2-Dichloroethene
 Concen: 25.870 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Instrument :
 MSVOA_W
 ClientSampled :
 VICV01

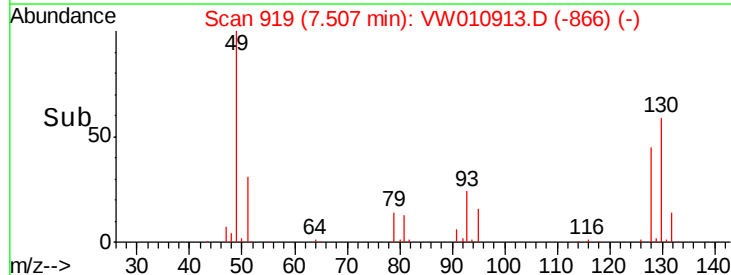
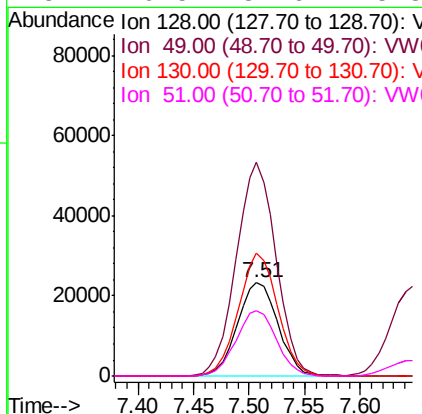
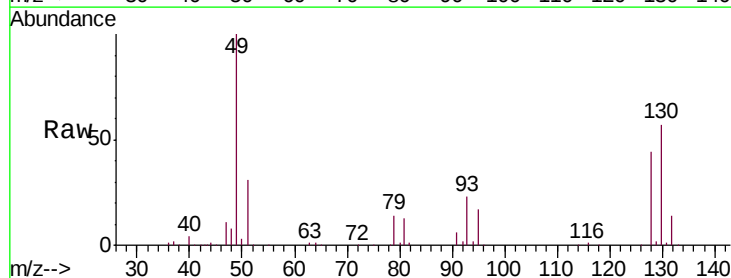
Tgt Ion: 96 Resp: 134776
 Ion Ratio Lower Upper
 96 100
 61 151.4 103.0 191.2
 98 63.8 43.5 80.9

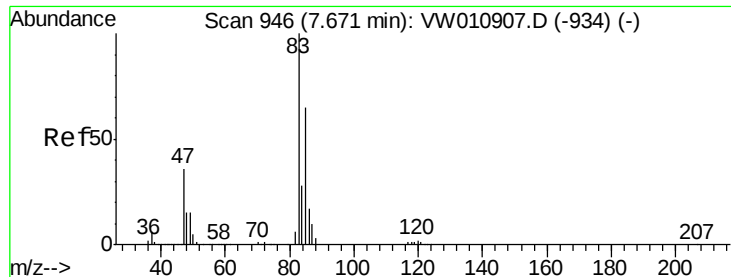


#23

Bromochloromethane
 Concen: 26.002 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion: 128 Resp: 58870
 Ion Ratio Lower Upper
 128 100
 49 229.2 151.2 280.8
 130 131.8 87.8 163.0
 51 70.5 52.6 78.8





#25

Chloroform

Concen: 26.097 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

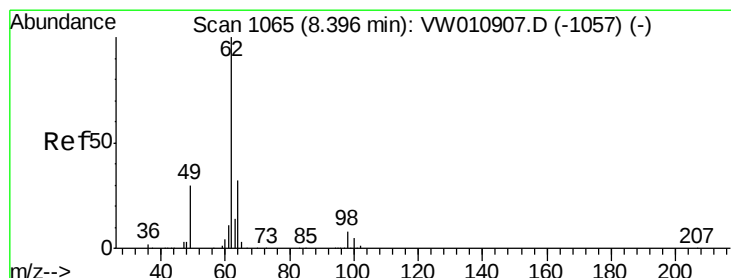
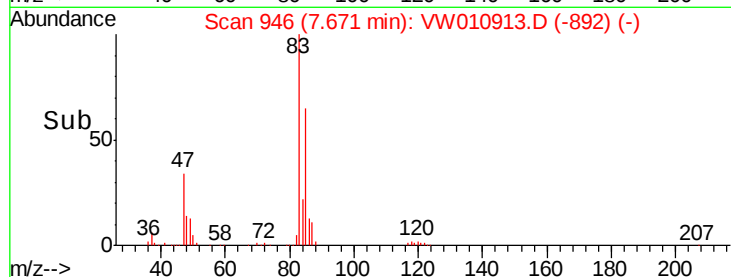
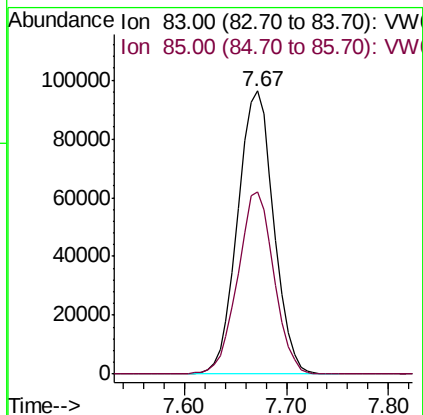
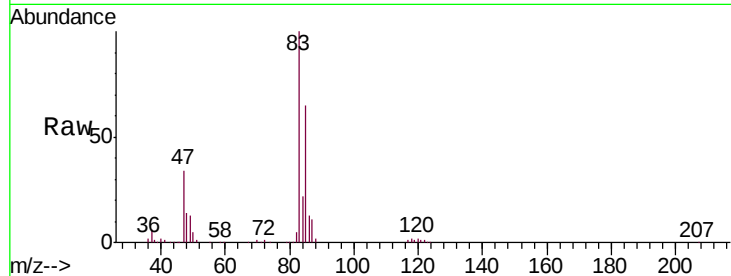
VICV01

Tgt Ion: 83 Resp: 236567

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.599 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010913.D

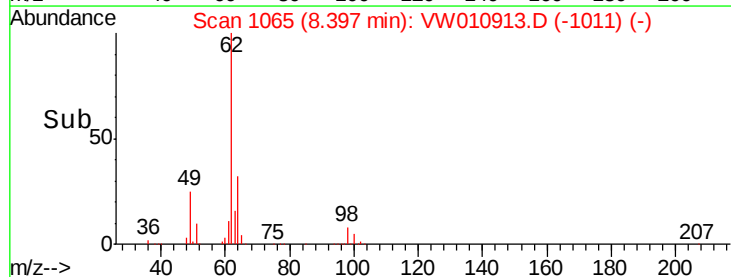
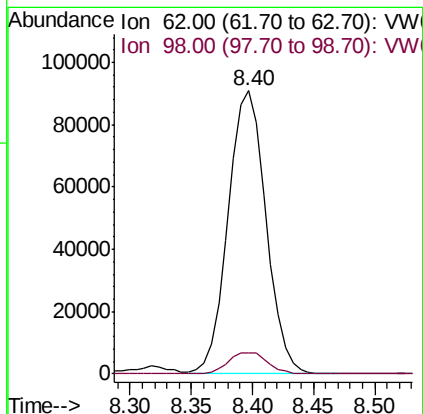
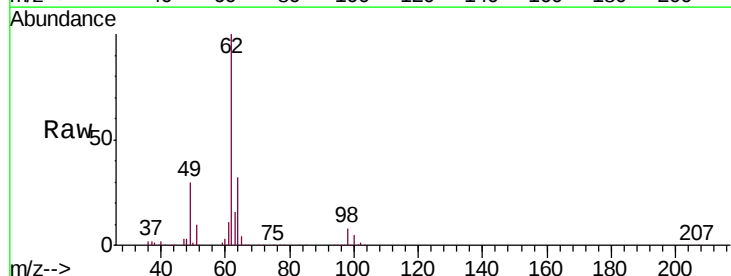
Acq: 22 Jun 2019 01:08

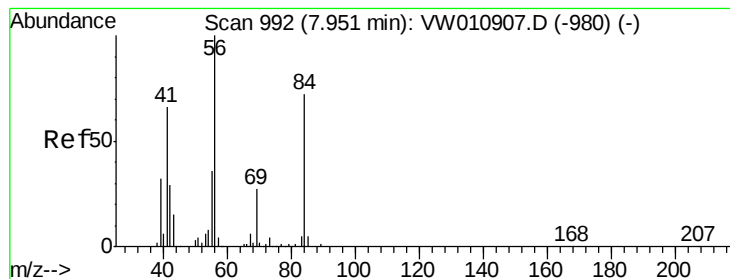
Tgt Ion: 62 Resp: 194802

Ion Ratio Lower Upper

62 100

98 7.5 6.3 9.5





#30

Cyclohexane

Concen: 25.203 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

VICV01

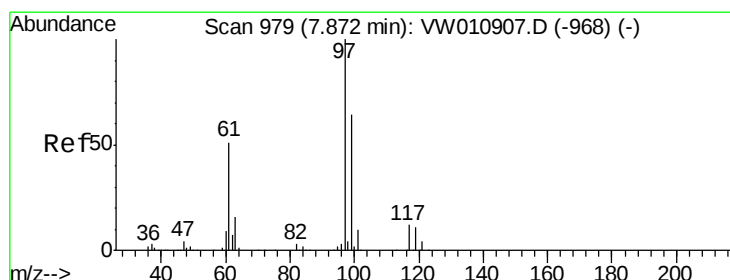
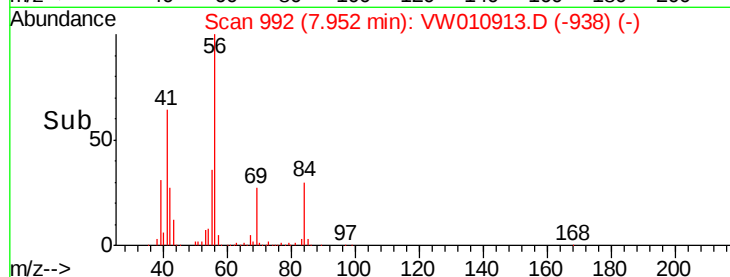
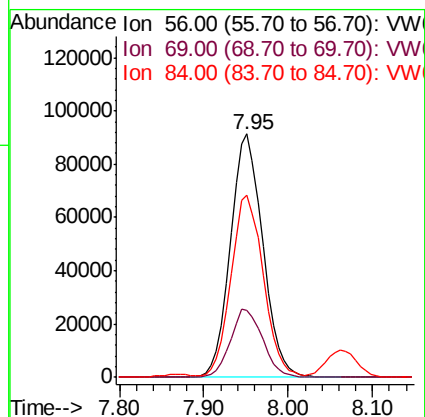
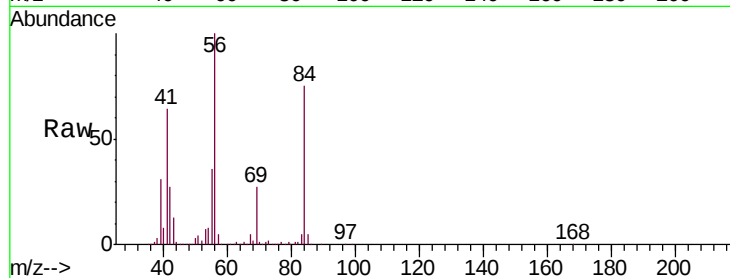
Tgt Ion: 56 Resp: 237879

Ion Ratio Lower Upper

56 100

69 27.9 22.3 33.5

84 75.3 60.3 90.5



#31

1,1,1-Trichloroethane

Concen: 26.165 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

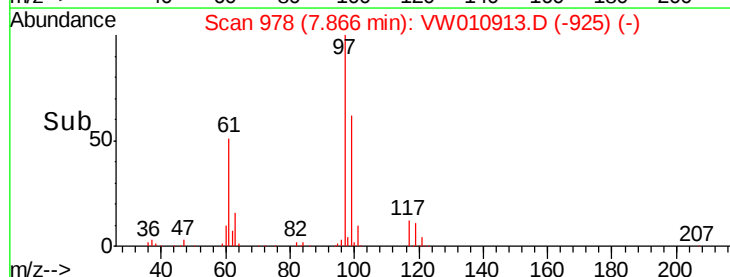
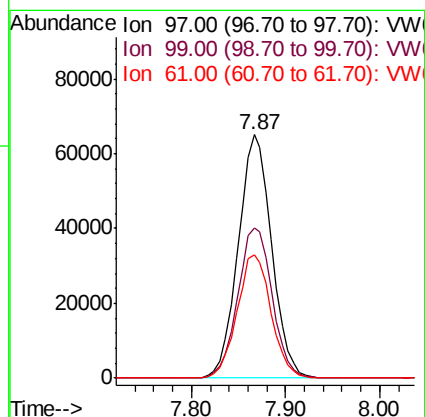
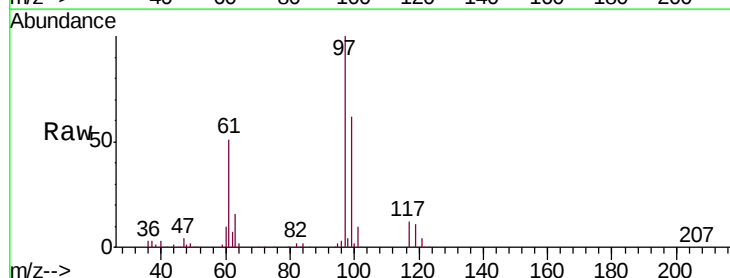
Tgt Ion: 97 Resp: 161397

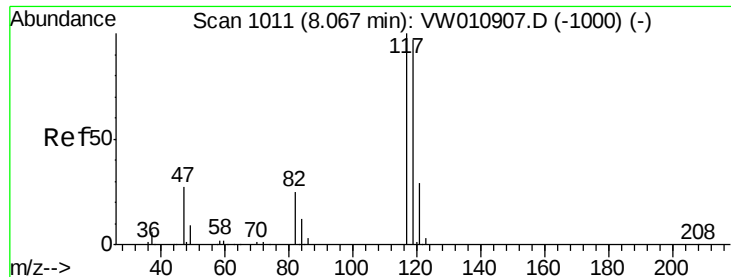
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 51.4 41.6 62.4





#32

Carbon tetrachloride

Concen: 25.941 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

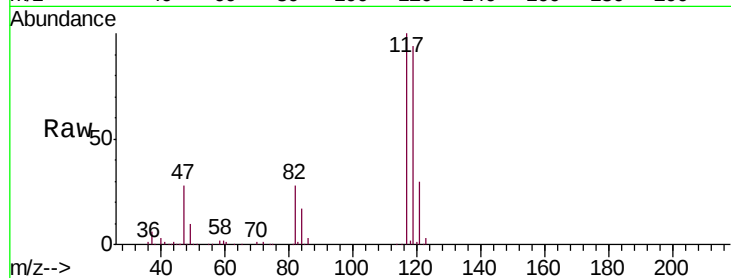
VICV01

Tgt Ion:117 Resp: 147807

Ion Ratio Lower Upper

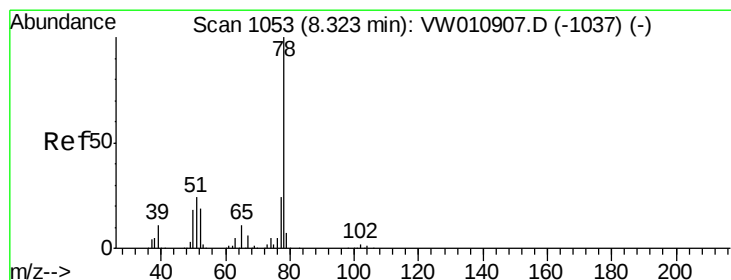
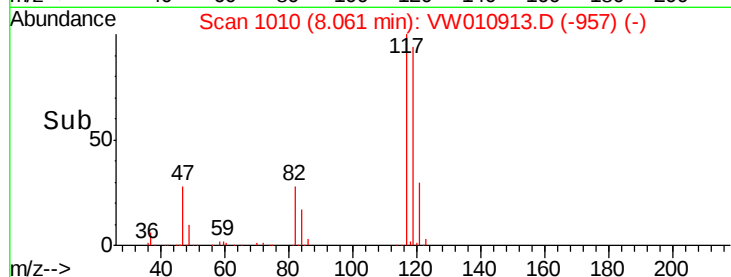
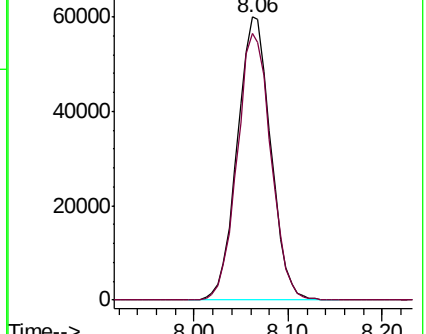
117 100

119 95.0 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.079 ug/L

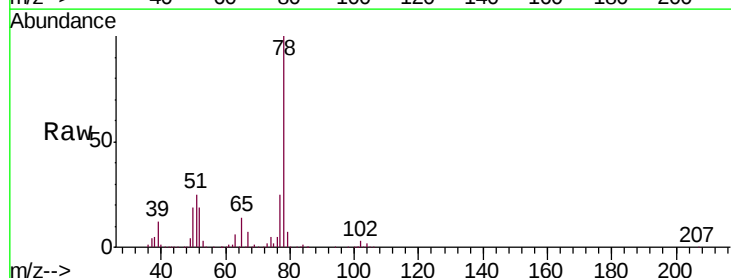
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

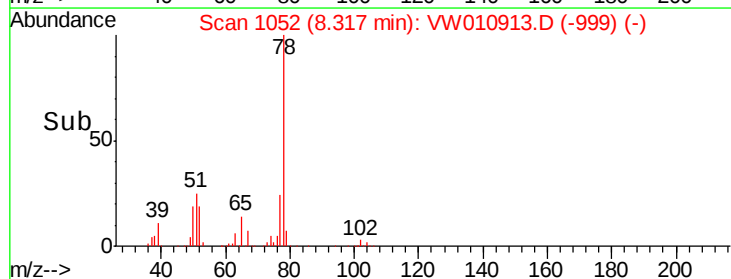
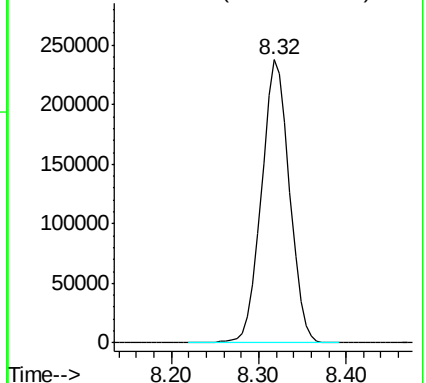
Lab File: VW010913.D

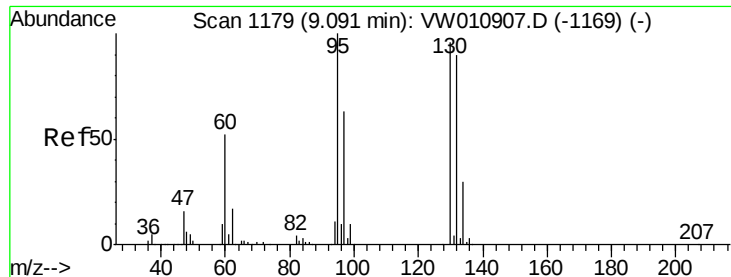
Acq: 22 Jun 2019 01:08

Tgt Ion: 78 Resp: 528564



Abundance Ion 78.00 (77.70 to 78.70): VW

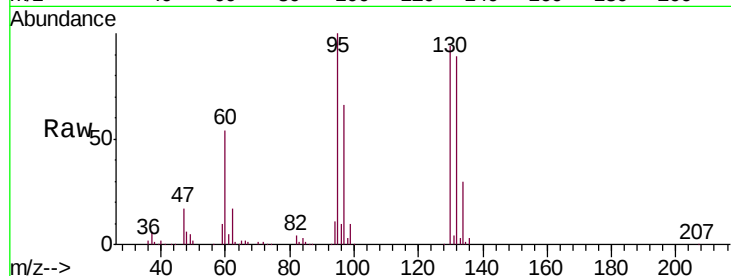




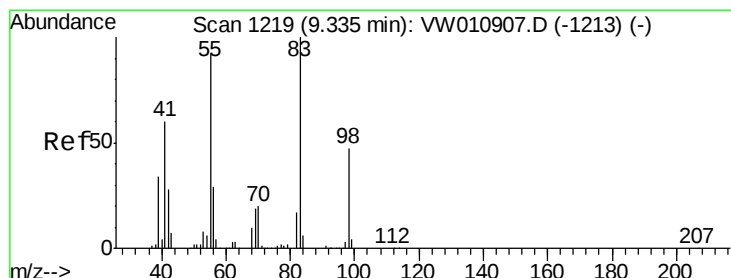
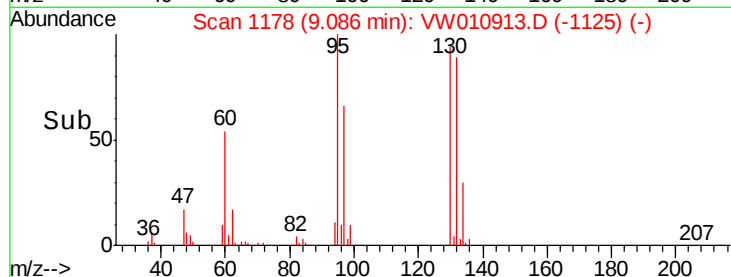
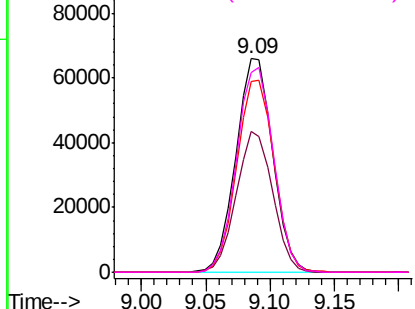
#35
 Trichloroethene
 Concen: 25.953 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Tgt Ion:	95	Resp:	130294
Ion	Ratio	Lower	Upper
95	100		
97	65.3	44.5	82.7
132	91.5	63.6	118.2
130	96.4	66.8	124.0

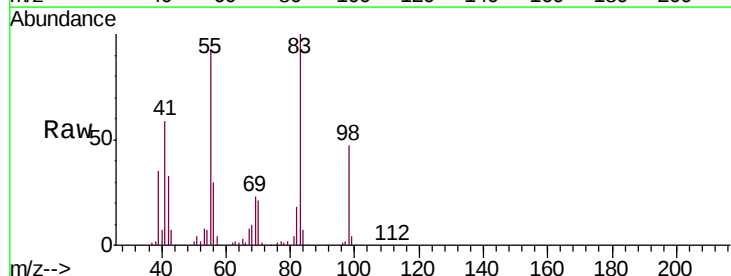


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

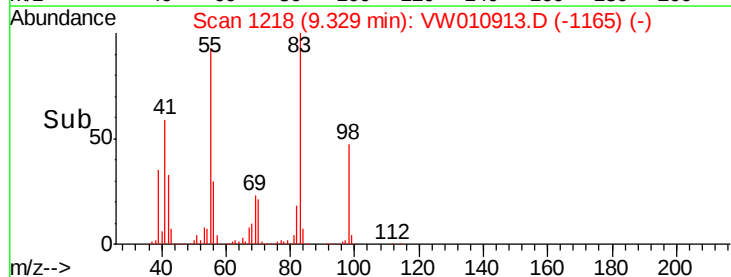
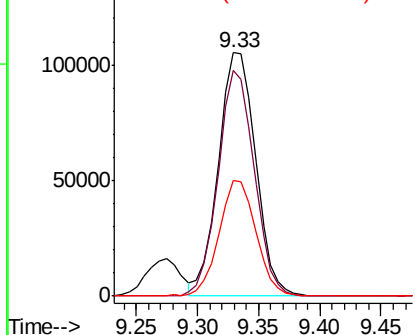


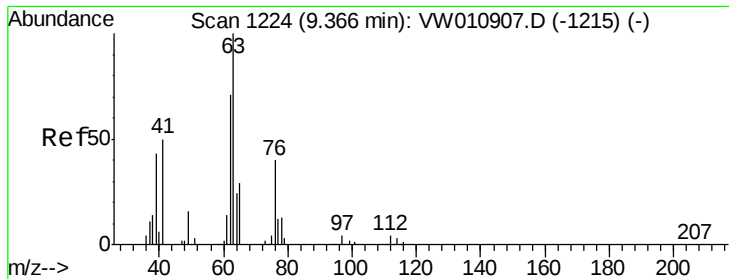
#36
 Methylcyclohexane
 Concen: 25.365 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion:	83	Resp:	222919
Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.6	109.0
98	47.1	37.9	56.9



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

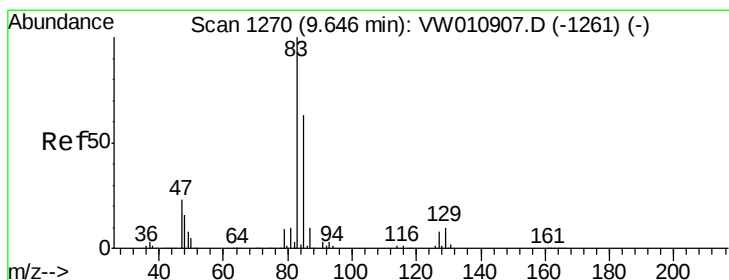
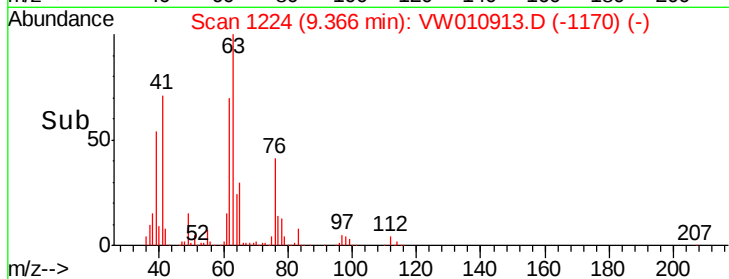
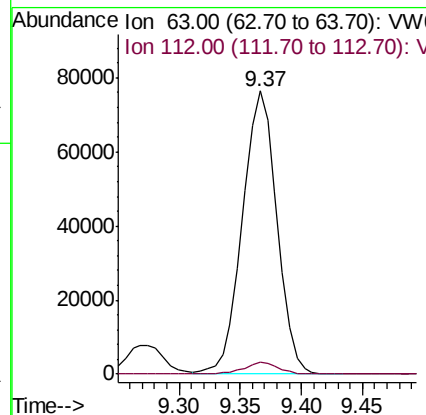
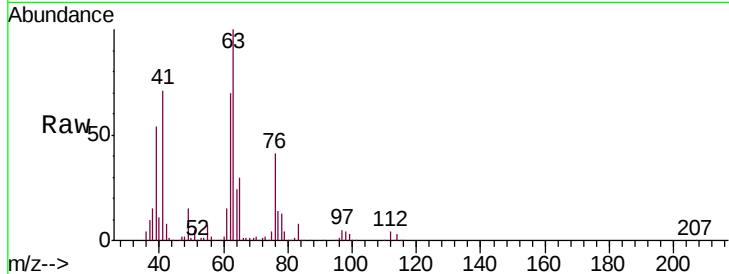




#40
 1,2-Dichloropropane
 Concen: 26.410 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

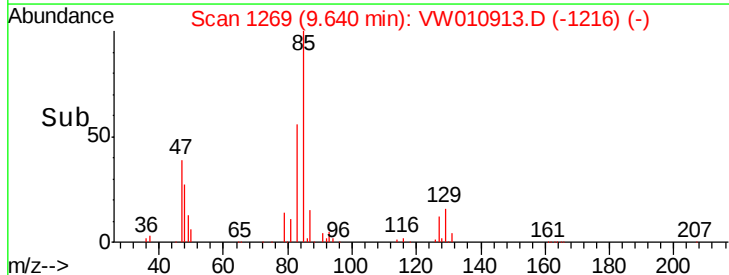
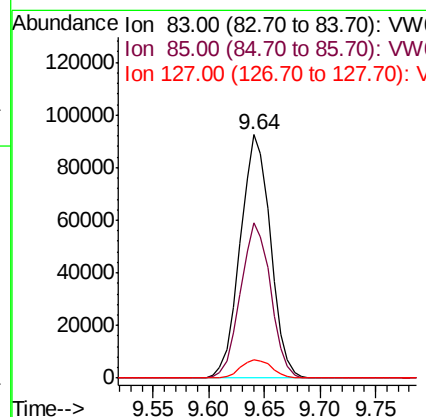
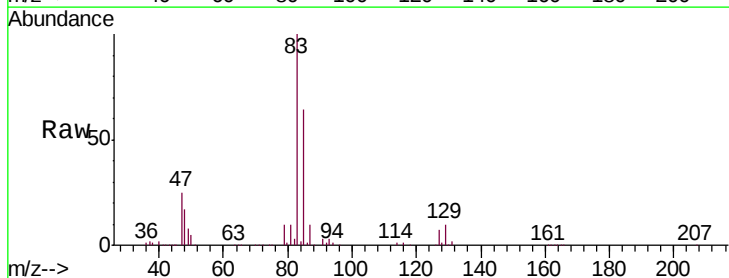
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

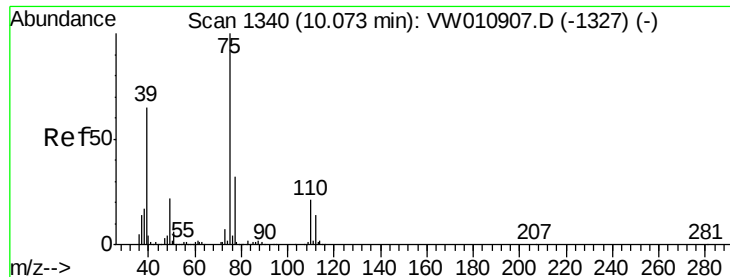
Tgt Ion: 63 Resp: 149712
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.733 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion: 83 Resp: 174313
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.8 81.4
 127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.749 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

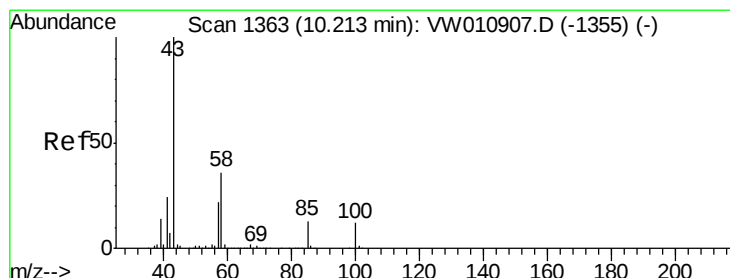
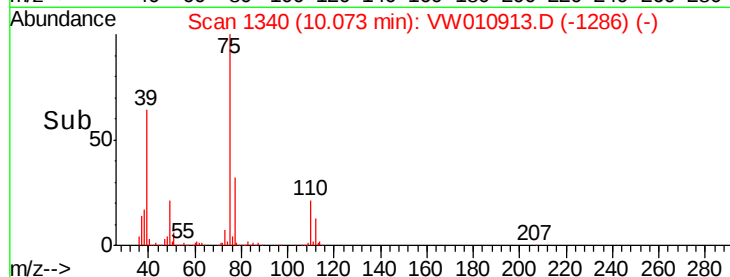
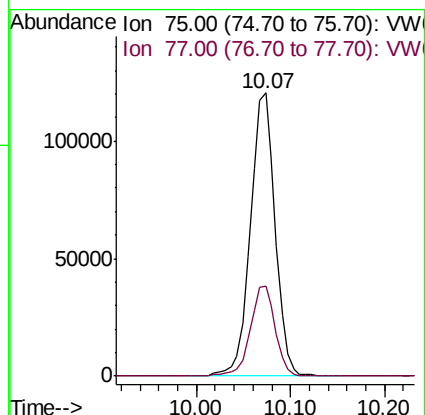
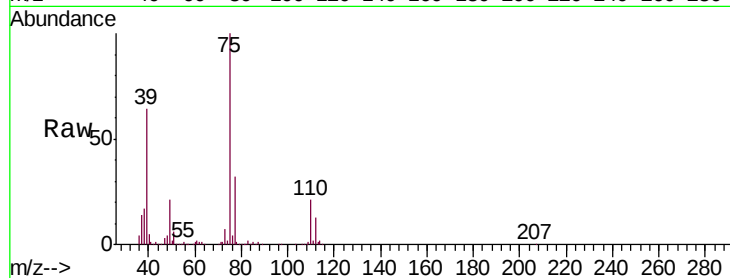
VICV01

Tgt Ion: 75 Resp: 222634

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 52.333 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

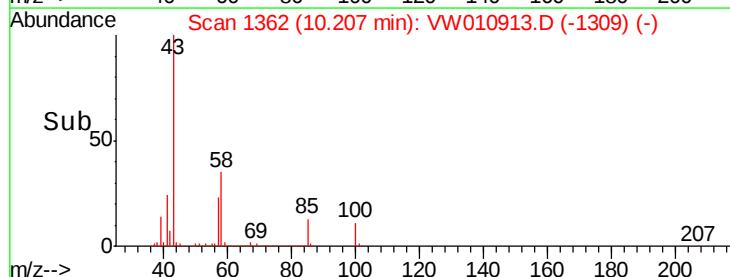
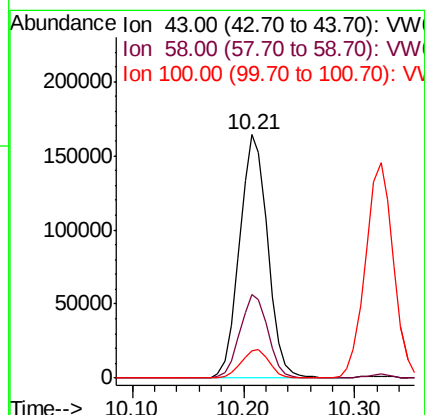
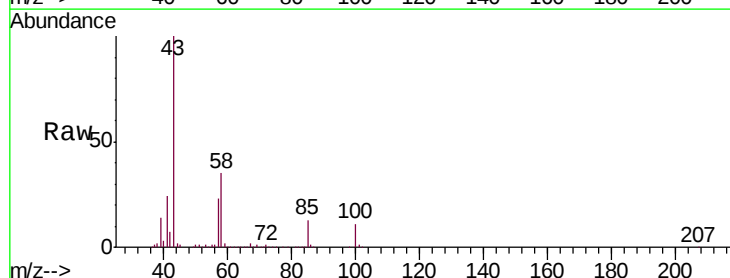
Tgt Ion: 43 Resp: 286032

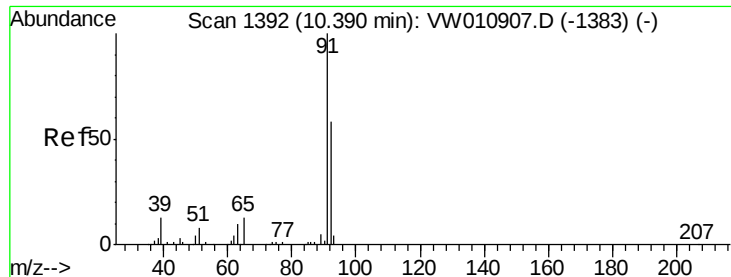
Ion Ratio Lower Upper

43 100

58 34.1 27.9 41.9

100 11.6 9.4 14.2





#44

Toluene

Concen: 26.120 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

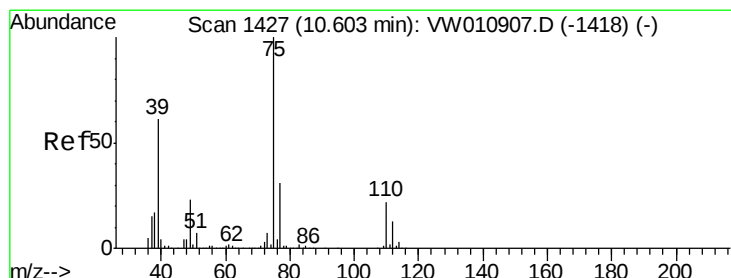
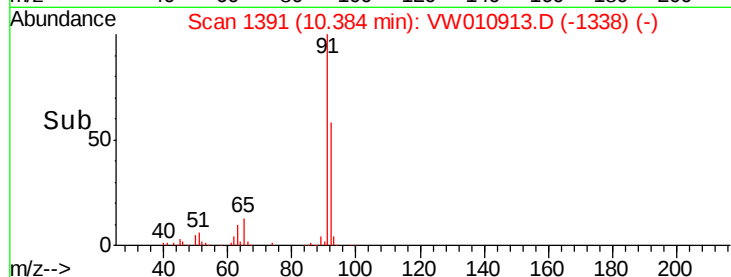
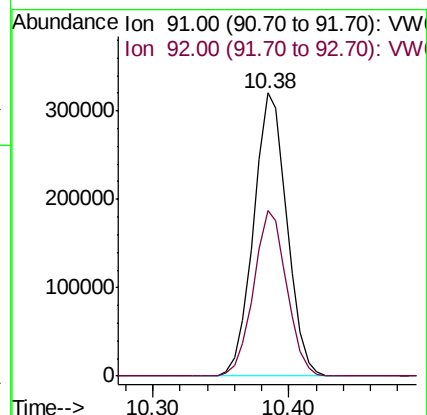
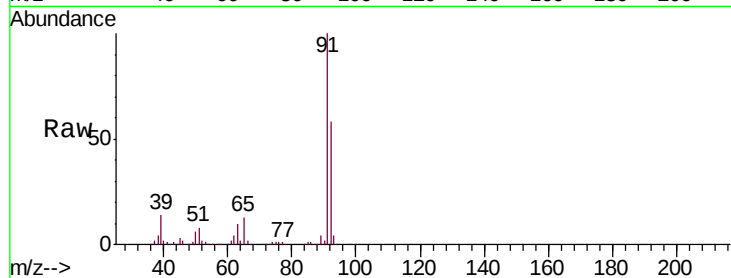
VICV01

Tgt Ion: 91 Resp: 549633

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 26.447 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010913.D

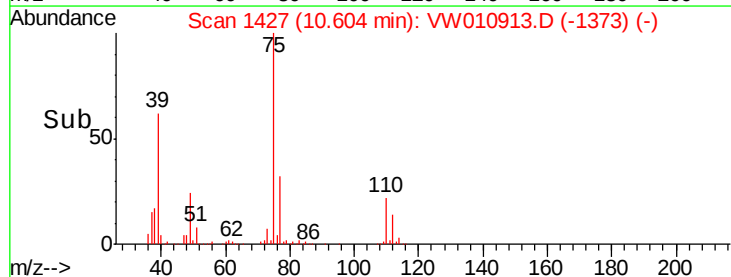
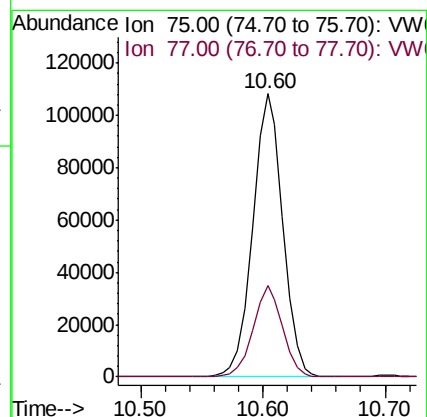
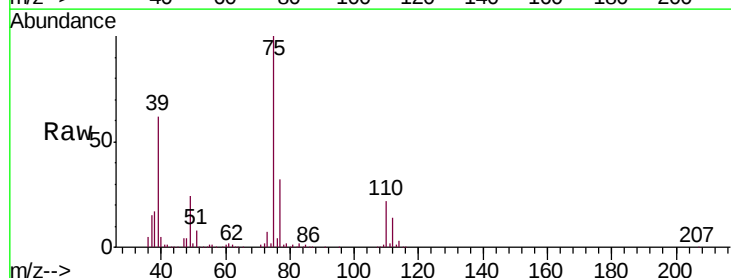
Acq: 22 Jun 2019 01:08

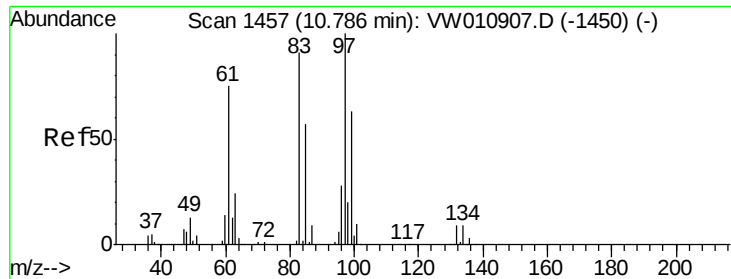
Tgt Ion: 75 Resp: 184614

Ion Ratio Lower Upper

75 100

77 32.2 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 26.495 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VICV01

Tgt Ion: 97 Resp: 105077

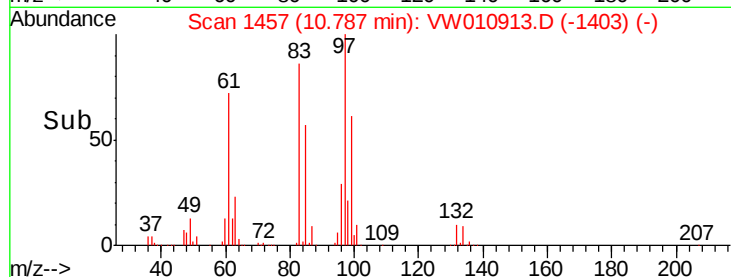
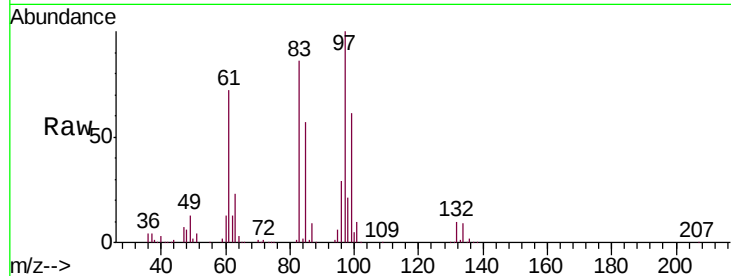
Ion Ratio Lower Upper

97 100

83 86.4 63.5 117.9

85 56.7 39.9 74.1

99 61.1 44.4 82.4

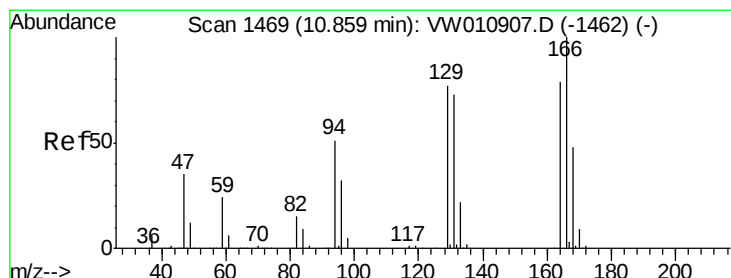
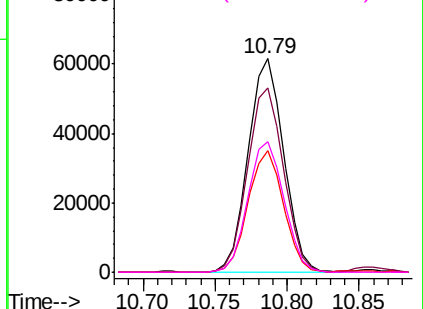


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.468 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Tgt Ion: 164 Resp: 94178

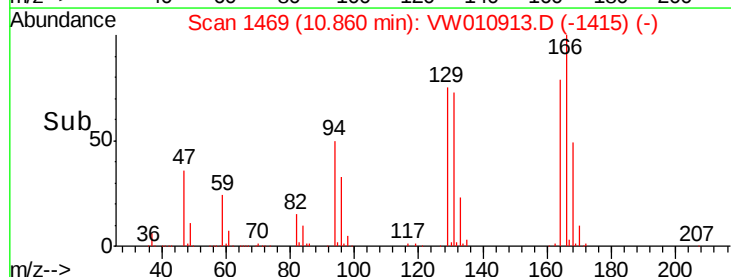
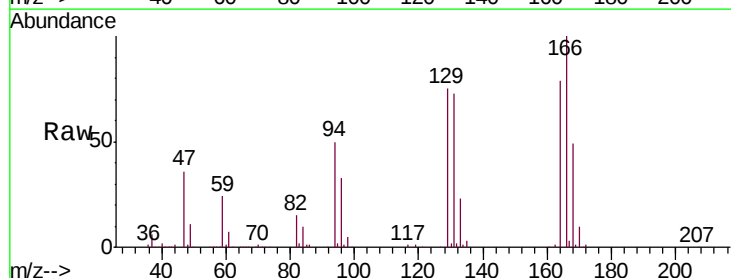
Ion Ratio Lower Upper

164 100

129 95.3 68.5 127.3

131 93.0 65.3 121.3

166 126.6 88.9 165.1

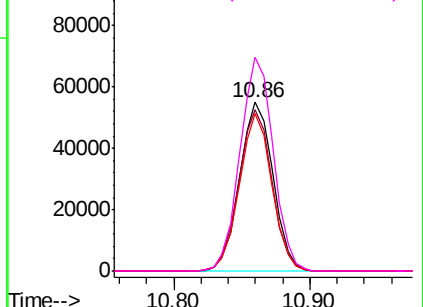


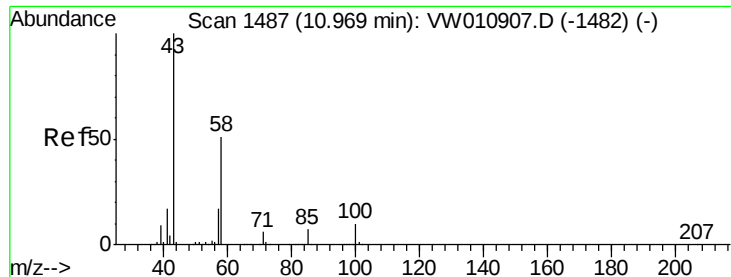
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

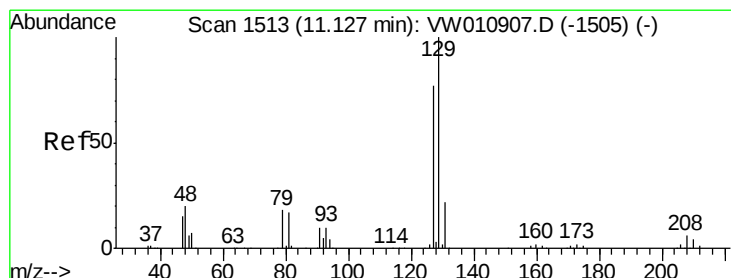
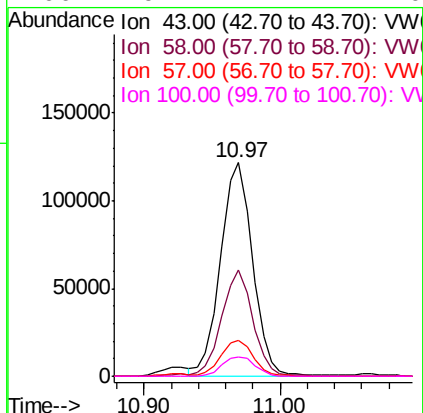
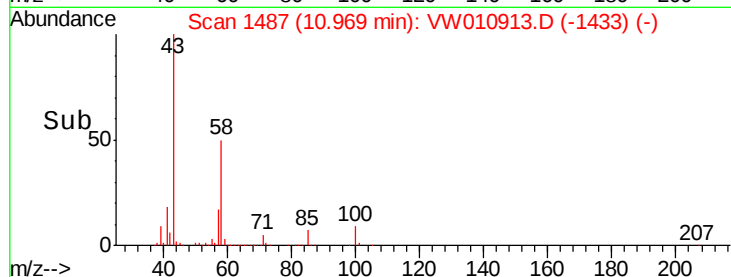
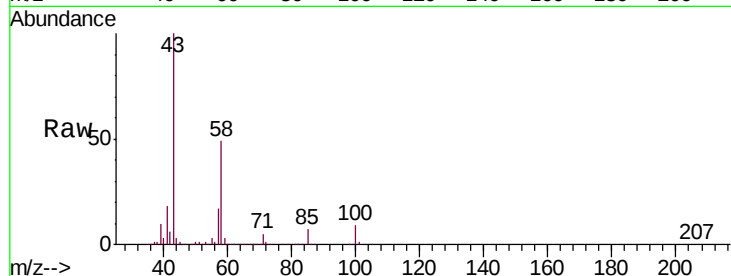




#49
2-Hexanone
Concen: 52.124 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

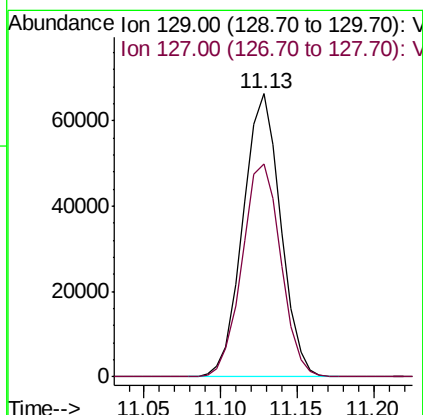
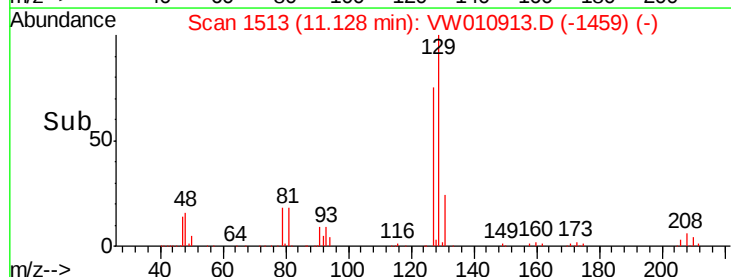
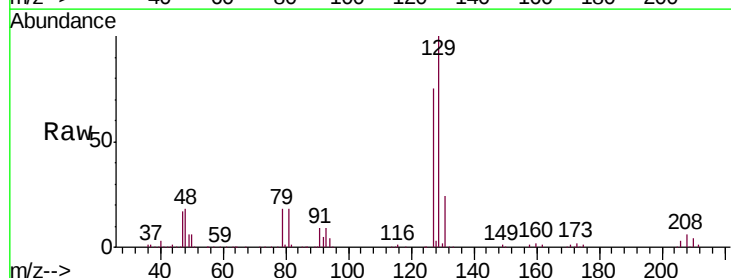
Instrument :
MSVOA_W
ClientSampled :
VICV01

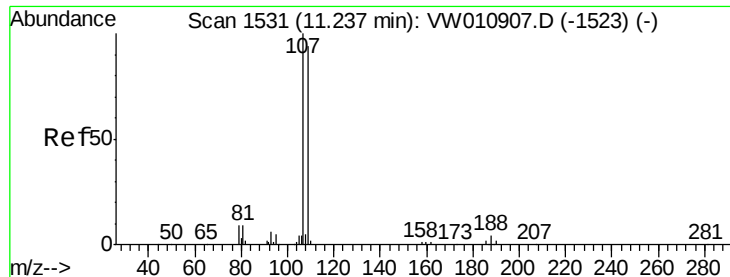
Tgt Ion: 43 Resp: 200543
Ion Ratio Lower Upper
43 100
58 48.1 38.2 57.2
57 17.0 13.5 20.3
100 9.4 7.4 11.0



#50
Dibromochloromethane
Concen: 26.948 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

Tgt Ion: 129 Resp: 113789
Ion Ratio Lower Upper
129 100
127 75.2 53.5 99.5

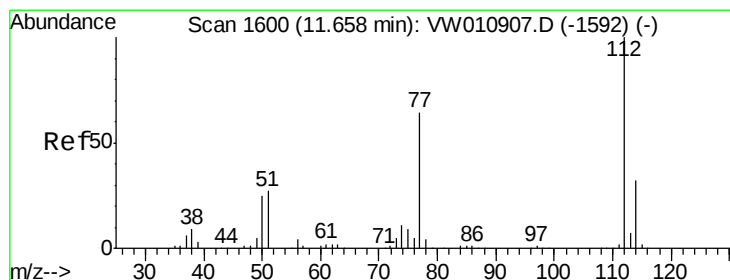
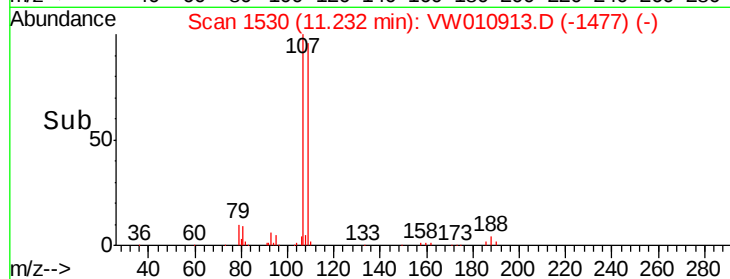
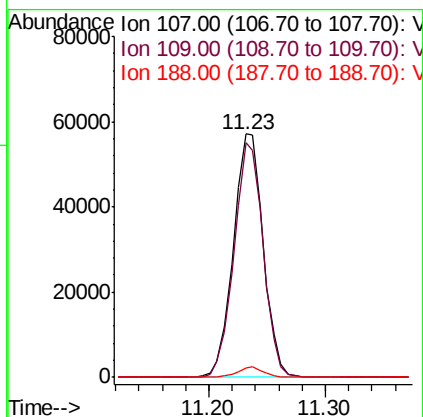
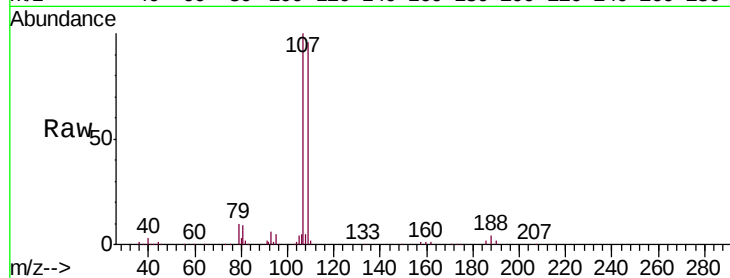




#51
1,2-Dibromoethane
Concen: 26.039 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

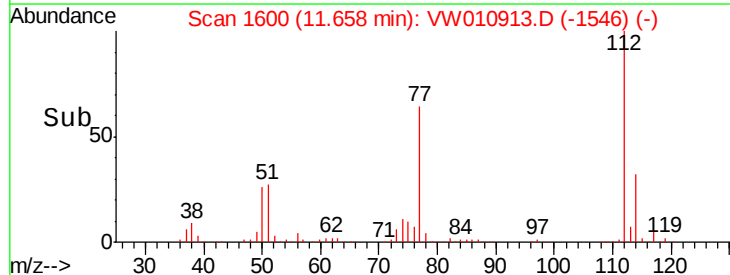
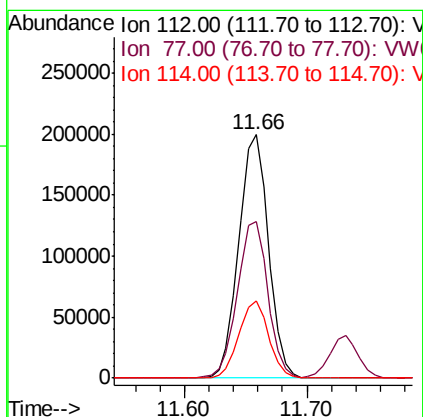
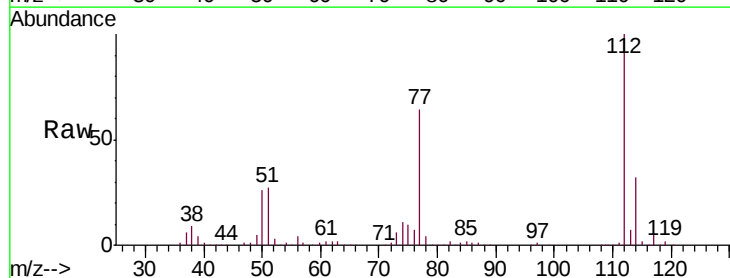
Instrument :
MSVOA_W
ClientSampleId :
VICV01

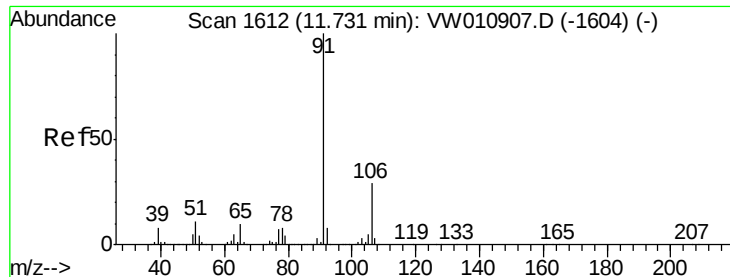
Tgt Ion:107 Resp: 101703
Ion Ratio Lower Upper
107 100
109 96.3 65.7 121.9
188 3.6 3.0 4.4



#52
Chlorobenzene
Concen: 25.945 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010913.D
Acq: 22 Jun 2019 01:08

Tgt Ion:112 Resp: 336622
Ion Ratio Lower Upper
112 100
77 64.2 51.4 77.0
114 31.9 22.5 41.9





#53

Ethylbenzene

Concen: 25.877 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

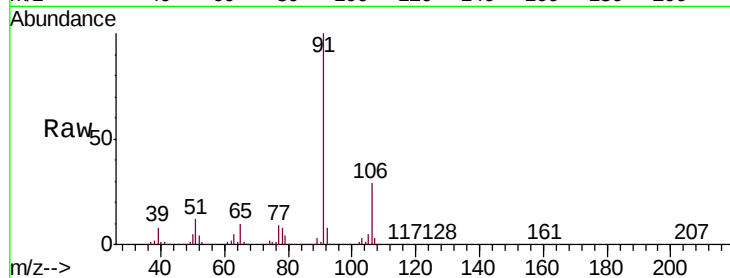
VICV01

Tgt Ion: 91 Resp: 610215

Ion Ratio Lower Upper

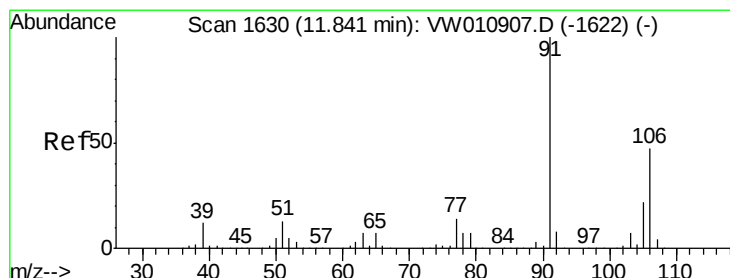
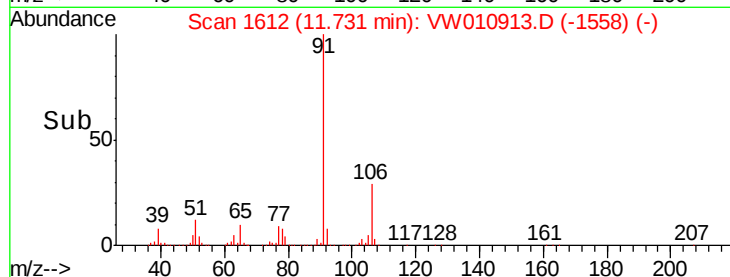
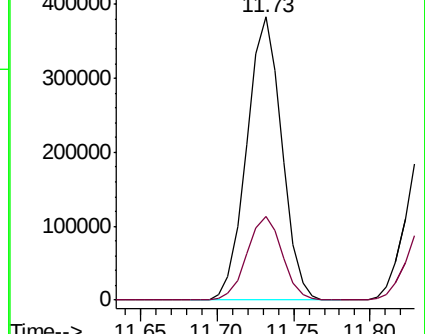
91 100

106 29.4 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.018 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010913.D

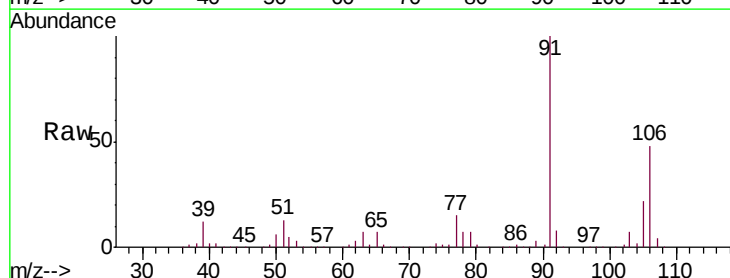
Acq: 22 Jun 2019 01:08

Tgt Ion: 106 Resp: 223243

Ion Ratio Lower Upper

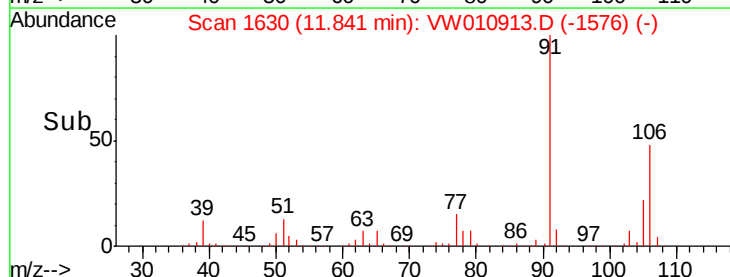
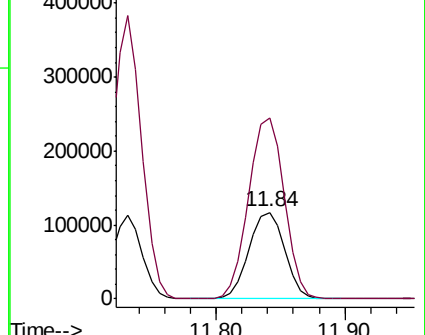
106 100

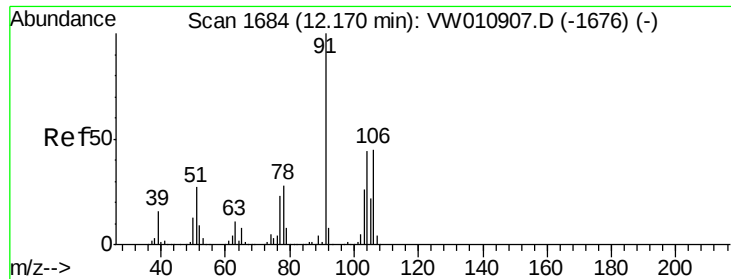
91 209.5 148.3 275.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.782 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

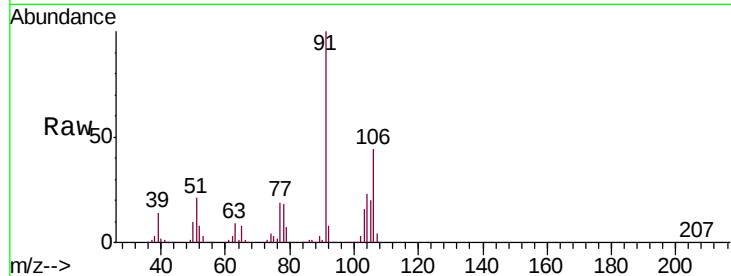
VICV01

Tgt Ion:106 Resp: 217402

Ion Ratio Lower Upper

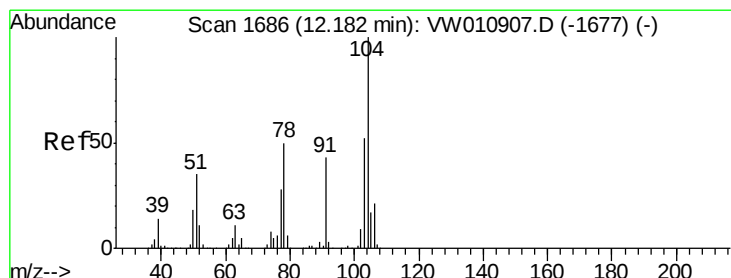
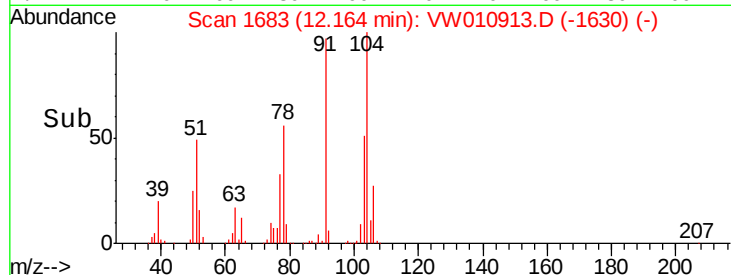
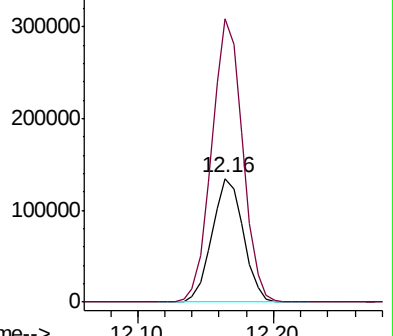
106 100

91 228.4 157.1 291.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.645 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010913.D

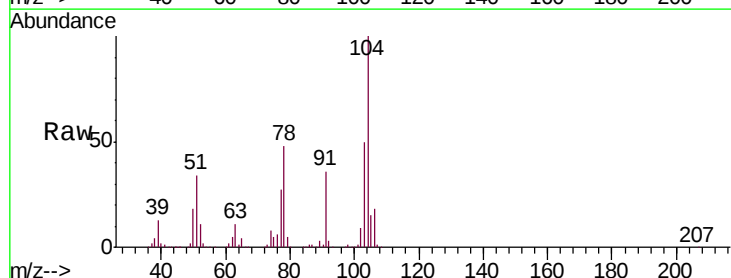
Acq: 22 Jun 2019 01:08

Tgt Ion:104 Resp: 385833

Ion Ratio Lower Upper

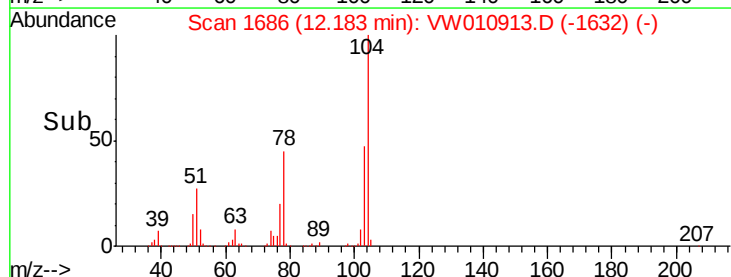
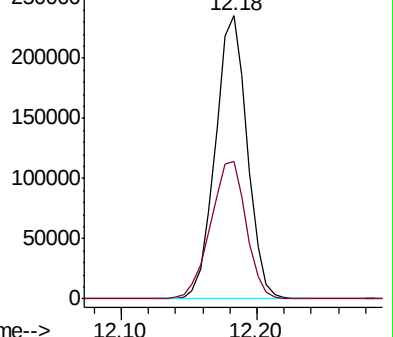
104 100

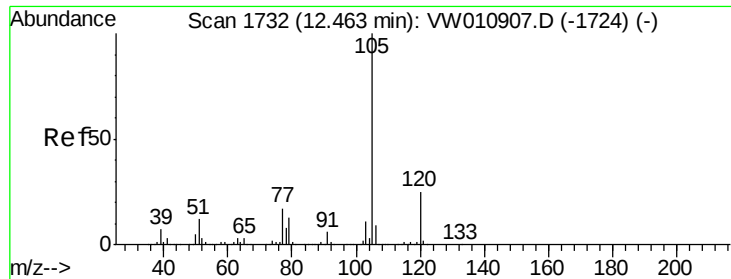
78 48.4 34.8 64.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.027 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VICV01

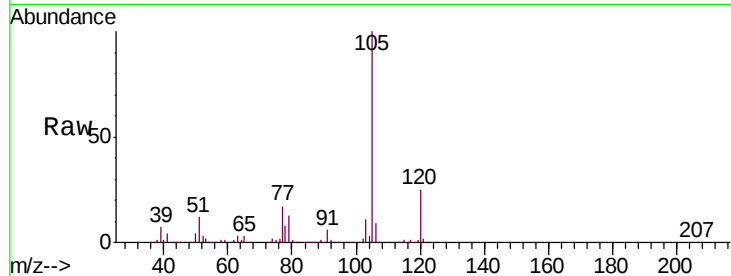
Tgt Ion: 105 Resp: 574217

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

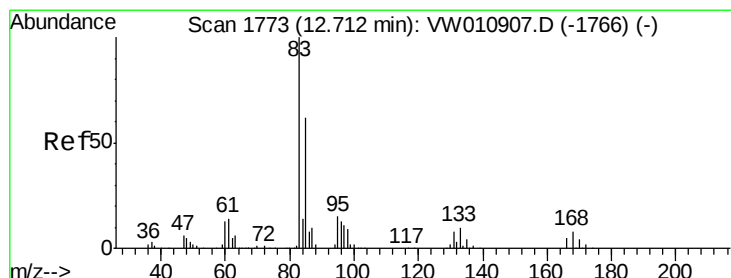
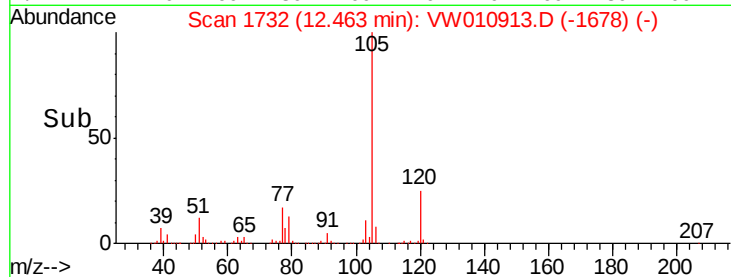
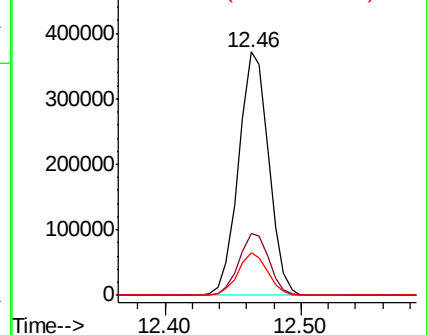
77 17.1 13.6 20.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.074 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

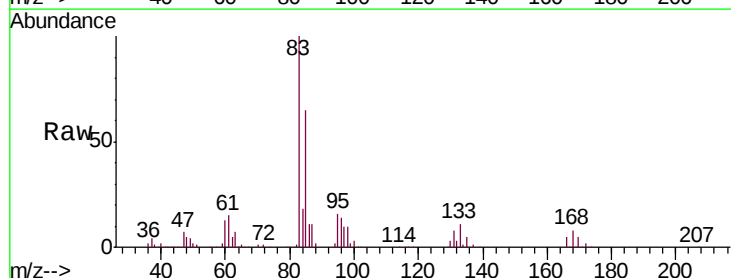
Tgt Ion: 83 Resp: 137172

Ion Ratio Lower Upper

83 100

85 64.6 43.8 81.3

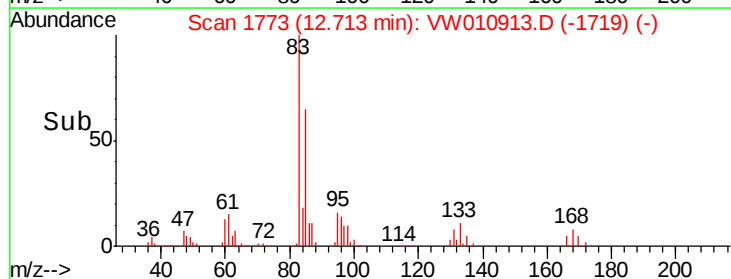
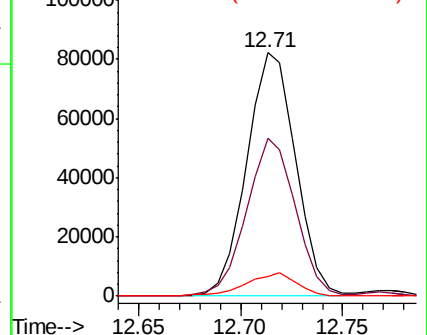
131 8.1 6.9 10.3

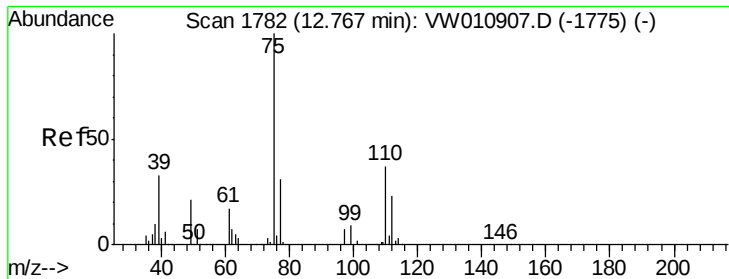


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.990 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

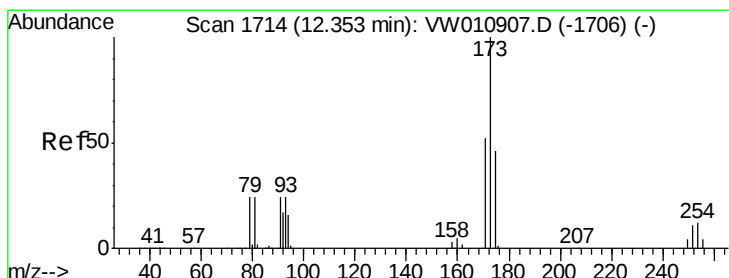
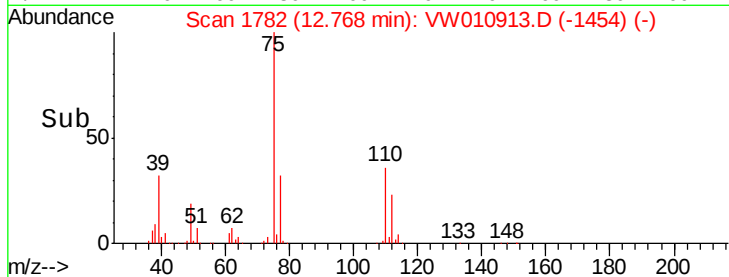
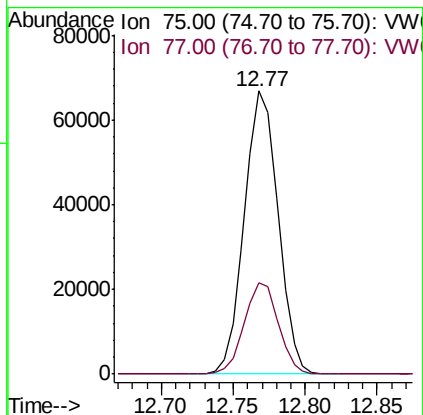
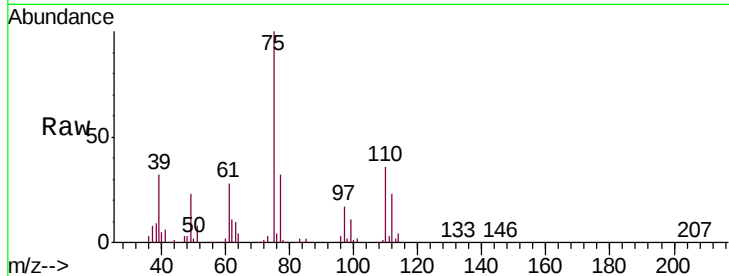
VICV01

Tgt Ion: 75 Resp: 108600

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#62

Bromoform

Concen: 26.603 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

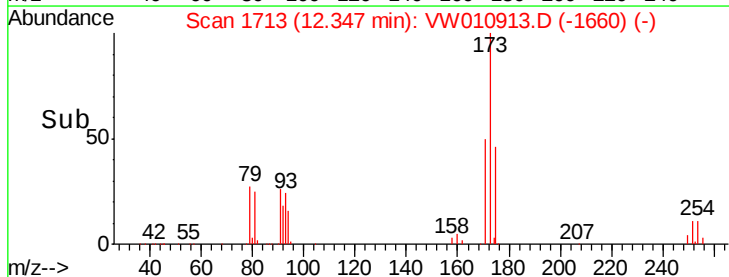
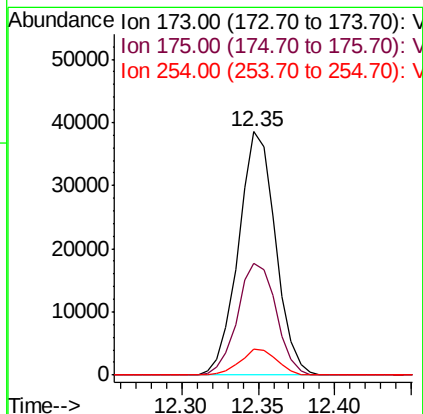
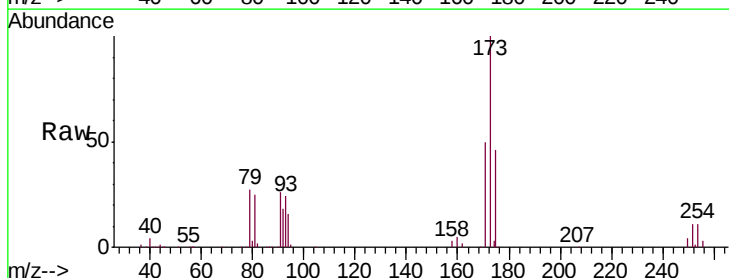
Tgt Ion: 173 Resp: 64751

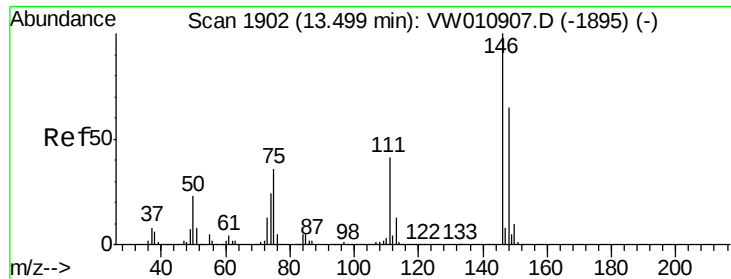
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 10.6 8.5 12.7

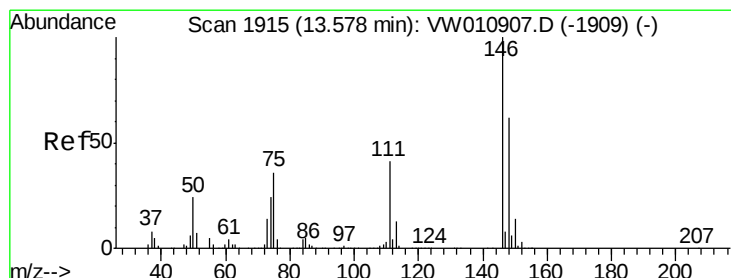
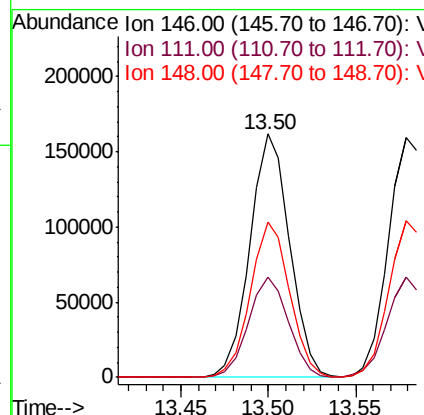
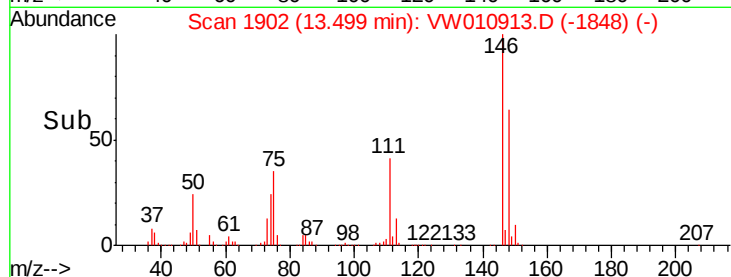
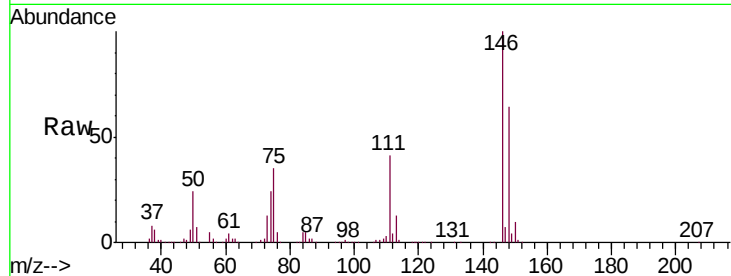




#63
 1,3-Dichlorobenzene
 Concen: 25.607 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

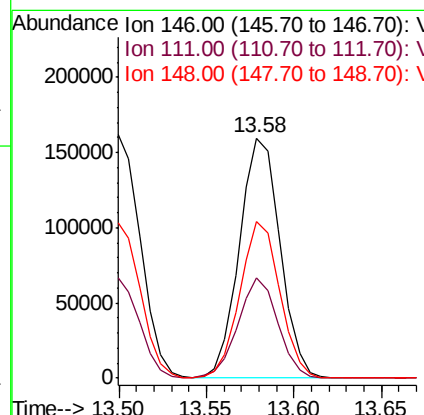
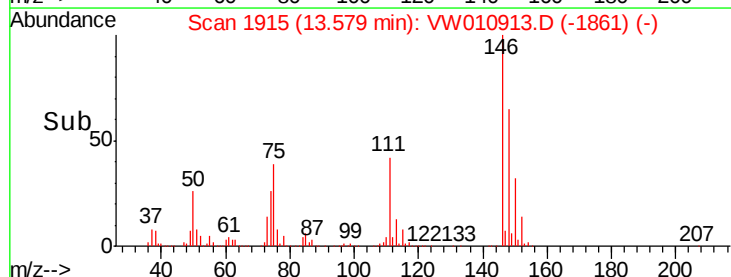
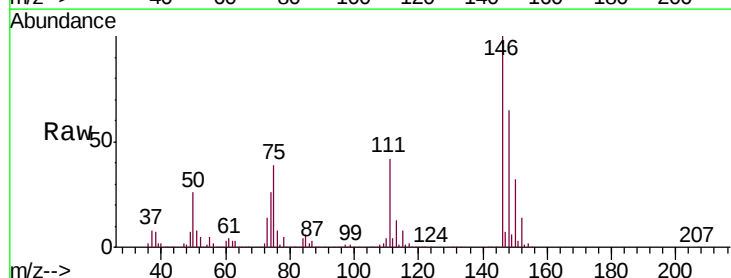
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

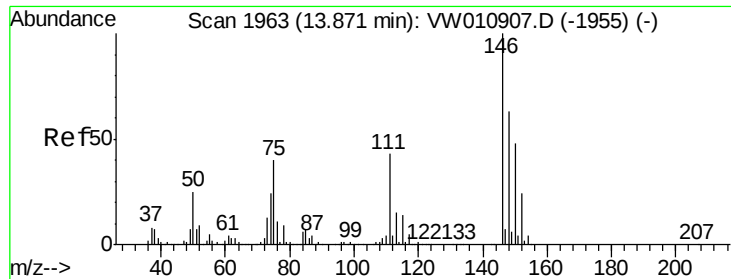
Tgt Ion:146 Resp: 255295
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 63.8 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 25.417 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion:146 Resp: 258666
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.7 53.3
 148 65.4 43.8 81.3

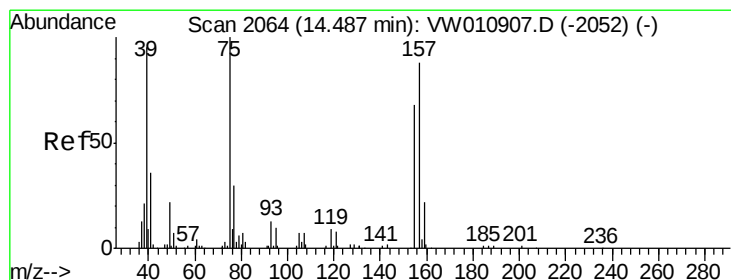
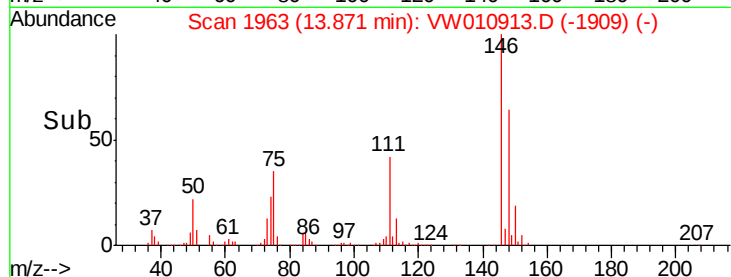
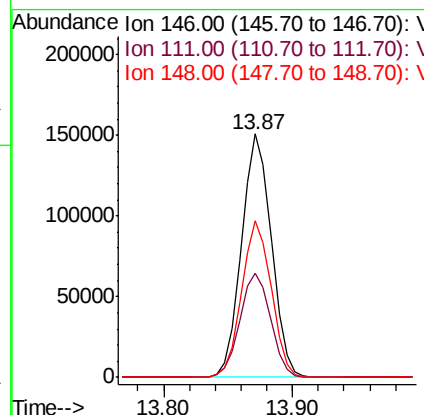
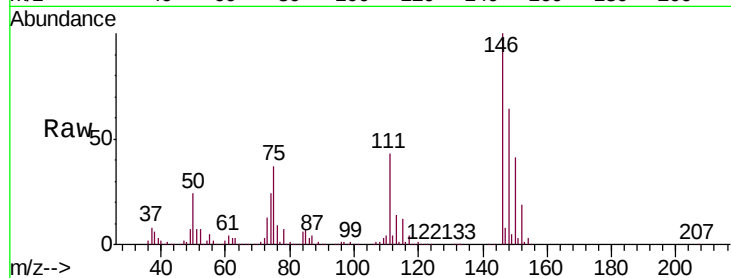




#65
 1,2-Dichlorobenzene
 Concen: 25.610 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

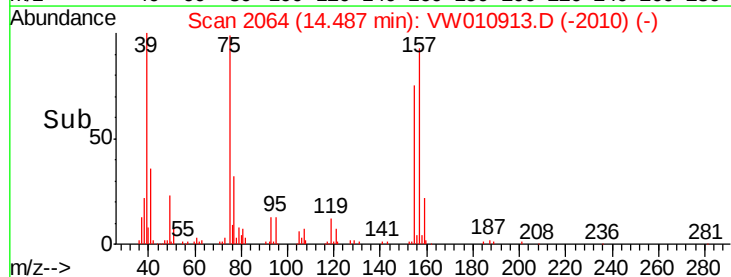
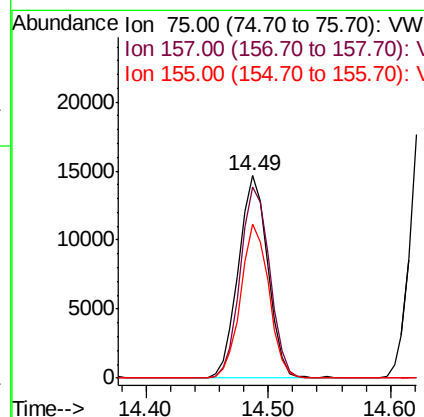
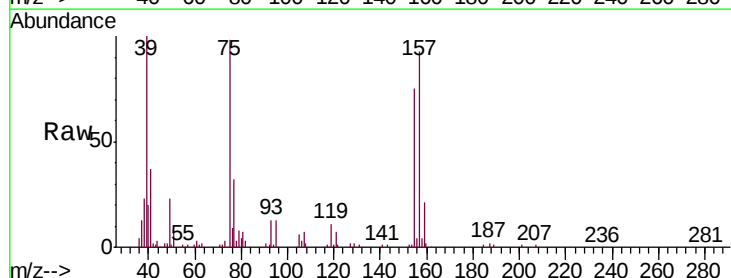
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

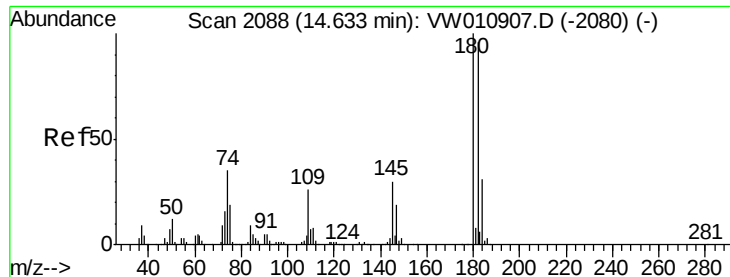
Tgt Ion: 146 Resp: 241283
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.6 51.8
 148 64.4 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.221 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010913.D
 Acq: 22 Jun 2019 01:08

Tgt Ion: 75 Resp: 24352
 Ion Ratio Lower Upper
 75 100
 157 94.3 70.1 105.1
 155 76.2 54.5 81.7





#67

1,3,5-Trichlorobenzene

Concen: 24.936 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VICV01

Tgt Ion:180 Resp: 188206

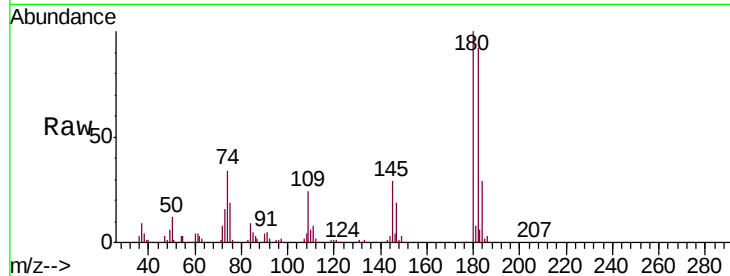
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

184 30.4 24.2 36.2

145 30.0 23.8 35.6

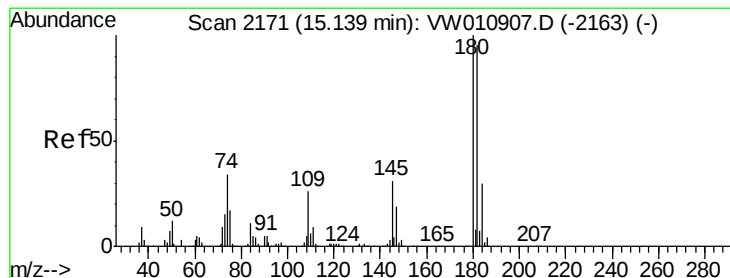
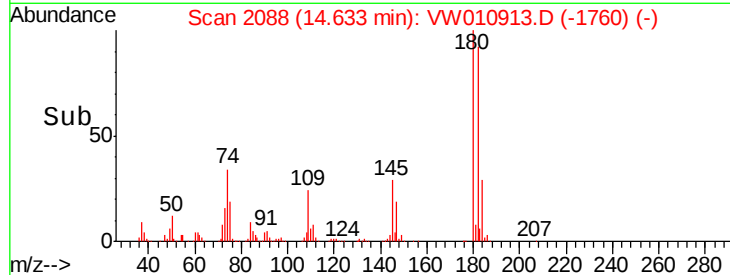
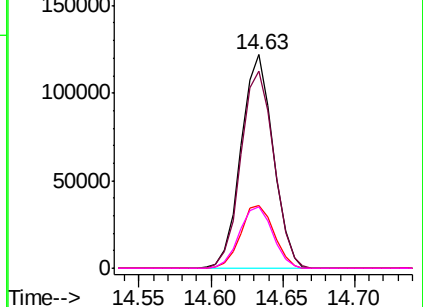


Abundance Ion 180.00 (179.70 to 180.70): V

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: 24.926 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

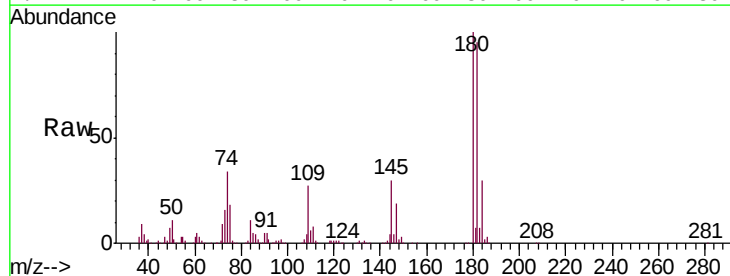
Tgt Ion:180 Resp: 163555

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

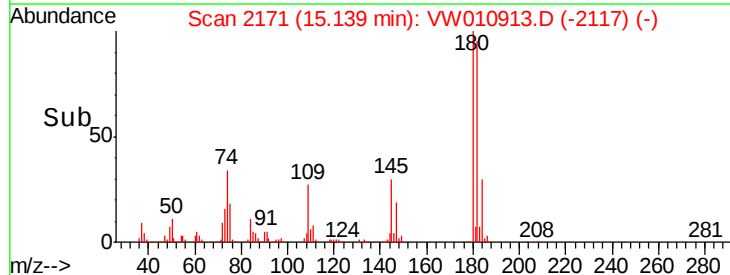
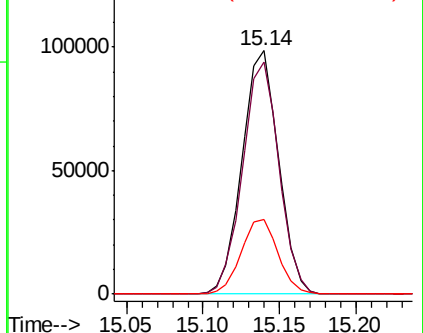
145 31.1 24.4 36.6

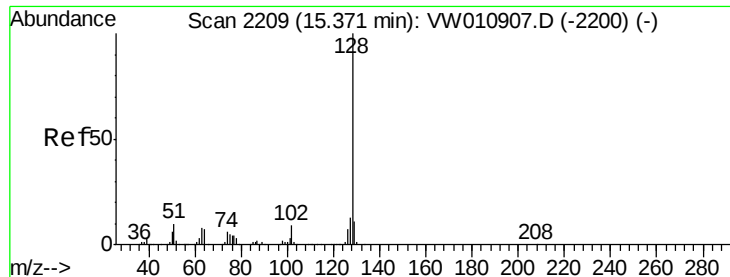


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.133 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VICV01

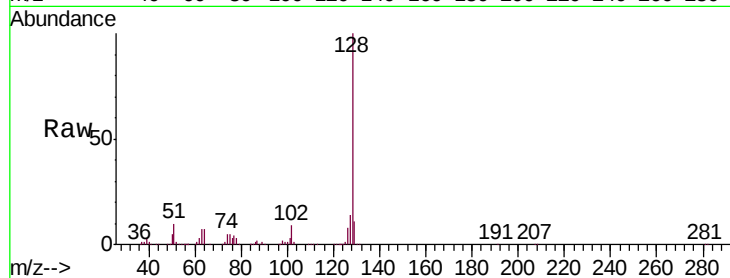
Tgt Ion:128 Resp: 385128

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

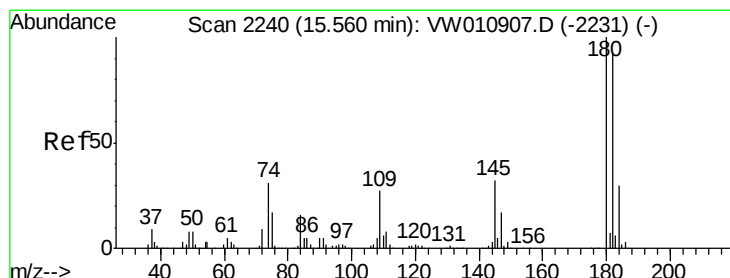
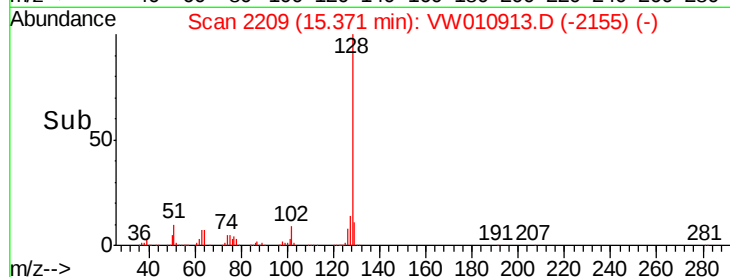
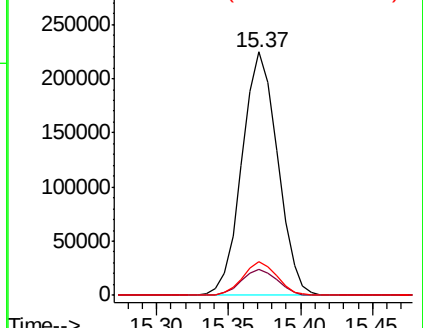
127 13.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.623 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010913.D

Acq: 22 Jun 2019 01:08

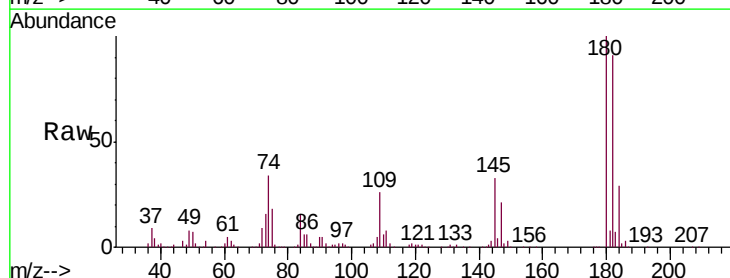
Tgt Ion:180 Resp: 156267

Ion Ratio Lower Upper

180 100

182 93.5 75.6 113.4

145 32.4 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

