

Data File : VW010914.D
Acq On : 22 Jun 2019 01:48
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Jun 22 06:37:08 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	324335	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	306275	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	151380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92660	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
7) Chloroethane-d5	2.89	69	78494	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
10) 1,1-Dichloroethene-d2	4.02	63	217996	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.32%
20) 2-Butanone-d5	7.07	46	121225	54.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.48%
24) Chloroform-d	7.64	84	225419	24.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	8.31	65	149707	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.72%
29) Benzene-d6	8.27	84	440992	24.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.08%
33) 1,2-Dichloropropane-d6	9.27	67	153007	24.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.08%
37) Toluene-d8	10.32	98	402362	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	10.57	79	65863	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.08%
39) 2-Hexanone-d5	10.93	63	77470	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139931	26.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	144361	23.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	101602	23.975	ug/L	96
3) Chloromethane	2.21	50	111702	22.796	ug/L	99
5) Vinyl chloride	2.36	62	126758	25.435	ug/L	97
6) Bromomethane	2.77	94	70467	25.846	ug/L	100
8) Chloroethane	2.92	64	72931	25.523	ug/L	99
9) Trichlorofluoromethane	3.25	101	36922	24.813	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	99352	24.705	ug/L	98
12) 1,1-Dichloroethene	4.04	96	100492	25.157	ug/L	99
13) Acetone	4.12	43	91260	54.603	ug/L	99
14) Carbon disulfide	4.39	76	290476	25.625	ug/L	99
15) Methyl Acetate	4.67	43	101052	29.463	ug/L	100
16) Methylene chloride	4.92	84	123675	25.028	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	191487	27.559	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	107008	24.845	ug/L	95
19) 1,1-Dichloroethane	6.21	63	228713	26.044	ug/L	99
21) 2-Butanone	7.17	43	136095	53.334	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	123520	25.945	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54806	26.490	ug/L	99
25) Chloroform	7.67	83	216504	26.136	ug/L	100
27) 1,2-Dichloroethane	8.40	62	183211	27.375	ug/L	98
30) Cyclohexane	7.95	56	211541	24.160	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	144705	25.288	ug/L	100
32) Carbon tetrachloride	8.07	117	130610	24.710	ug/L	98
34) Benzene	8.32	78	477614	25.402	ug/L	100
35) Trichloroethene	9.09	95	118955	25.542	ug/L	99
36) Methylcyclohexane	9.34	83	197205	24.189	ug/L	100
40) 1,2-Dichloropropane	9.37	63	136074	25.875	ug/L	100
41) Bromodichloromethane	9.64	83	161547	26.706	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	208059	26.947	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	291440	57.480	ug/L	100
44) Toluene	10.38	91	500167	25.622	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	175475	27.098	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100282	27.258	ug/L	98
47) Tetrachloroethene	10.86	164	85041	24.790	ug/L	97
49) 2-Hexanone	10.97	43	206039	57.728	ug/L	100
50) Dibromochloromethane	11.13	129	107891	27.544	ug/L	99
51) 1,2-Dibromoethane	11.23	107	99966	27.590	ug/L	99
52) Chlorobenzene	11.66	112	311638	25.892	ug/L	99
53) Ethylbenzene	11.73	91	555608	25.398	ug/L	100
54) m,p-Xylene	11.84	106	203757	25.598	ug/L	99
55) o-xylene	12.16	106	200164	25.588	ug/L	98
56) Styrene	12.18	104	353456	26.312	ug/L	97
57) Isopropylbenzene	12.46	105	522437	25.526	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	134956	27.653	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	107956	27.850	ug/L	99
62) Bromoform	12.35	173	61900	27.054	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	235760	25.156	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	238992	24.982	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	227134	25.647	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	25353	27.933	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	177791	25.059	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	154620	25.068	ug/L	99
69) Naphthalene	15.37	128	386841	27.924	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	149757	26.122	ug/L	99

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

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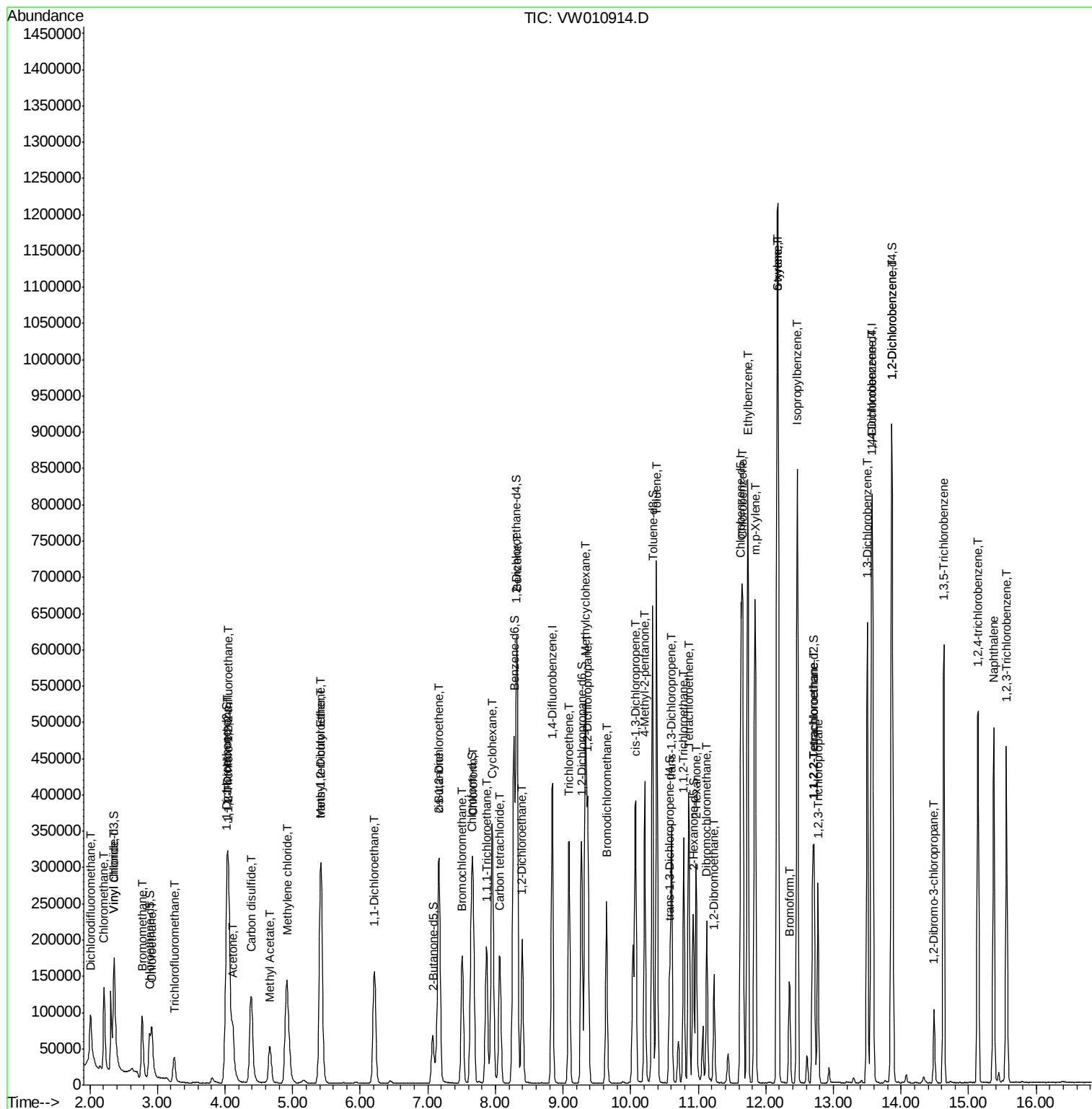
Quant Time: Jun 22 06:37:08 2019

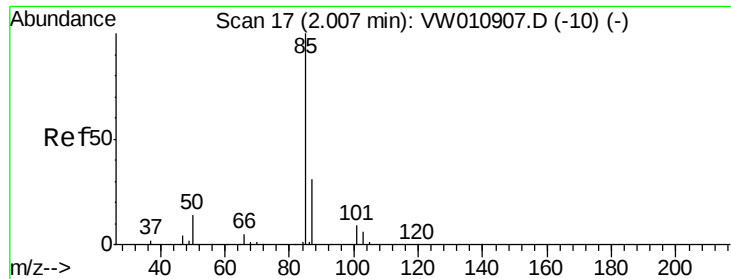
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M

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#2

Dichlorodifluoromethane

Concen: 23.975 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

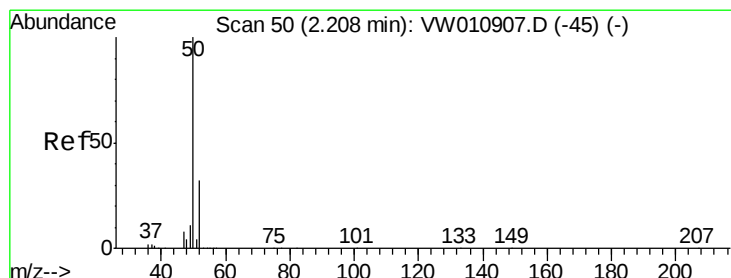
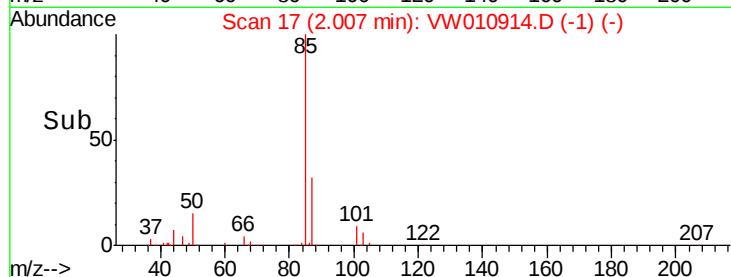
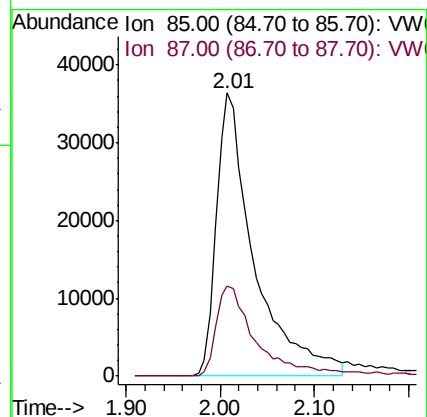
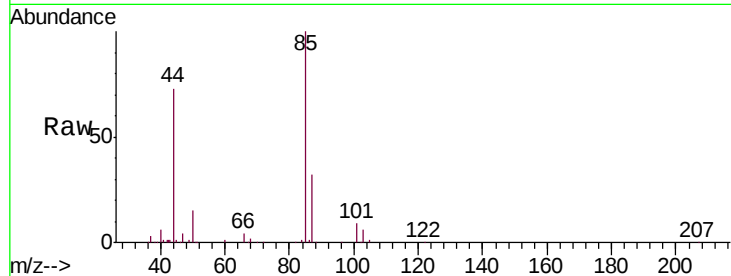
VSTD02525

Tgt Ion: 85 Resp: 101602

Ion Ratio Lower Upper

85 100

87 30.9 23.4 43.4



#3

Chloromethane

Concen: 22.796 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010914.D

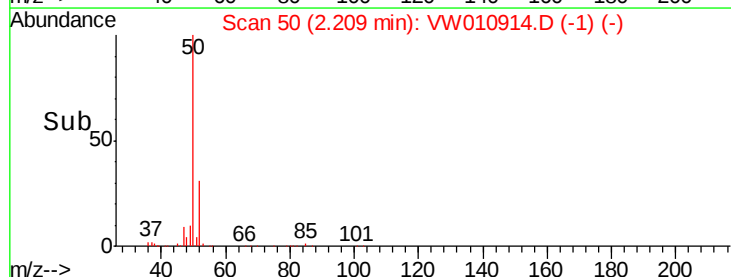
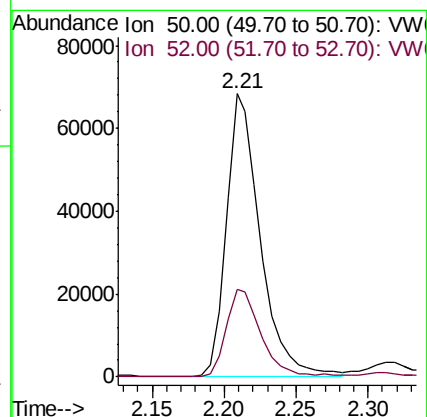
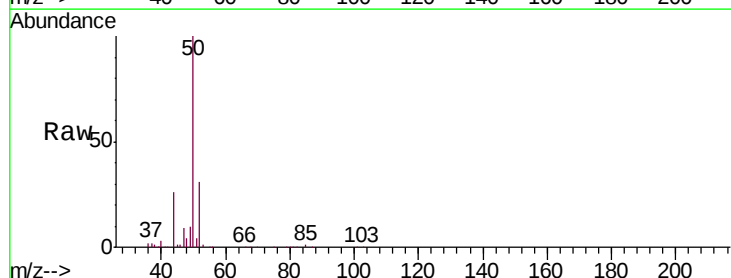
Acq: 22 Jun 2019 01:48

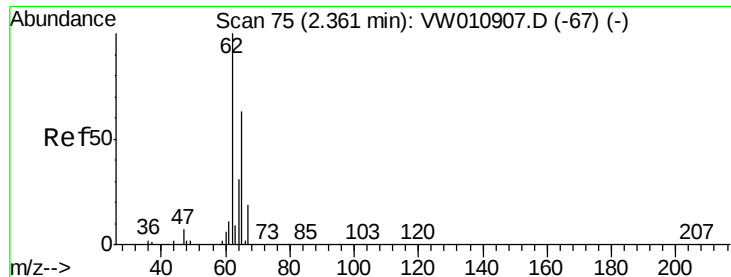
Tgt Ion: 50 Resp: 111702

Ion Ratio Lower Upper

50 100

52 31.0 22.2 41.2





#5

Vinyl chloride

Concen: 25.435 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

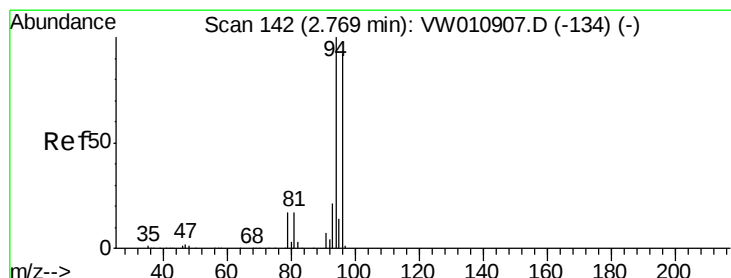
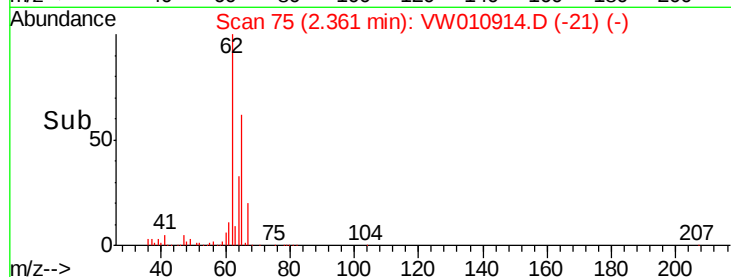
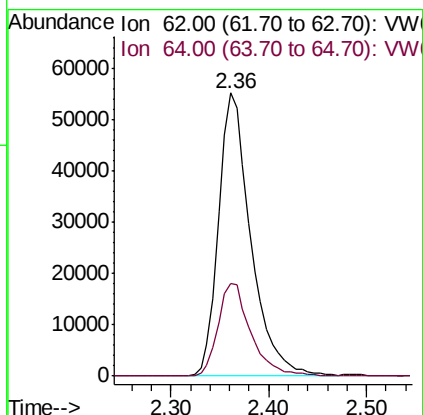
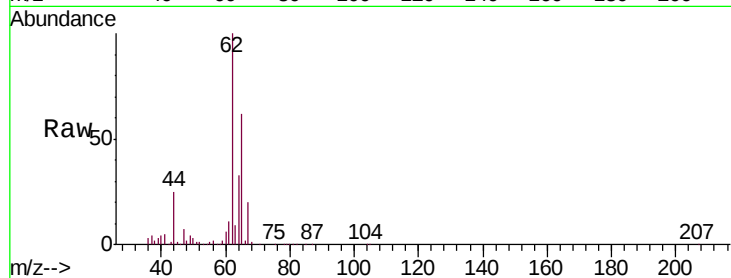
VSTD02525

Tgt Ion: 62 Resp: 126758

Ion Ratio Lower Upper

62 100

64 32.6 21.8 40.6



#6

Bromomethane

Concen: 25.846 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010914.D

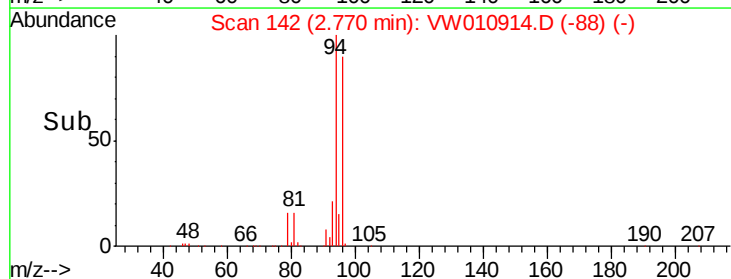
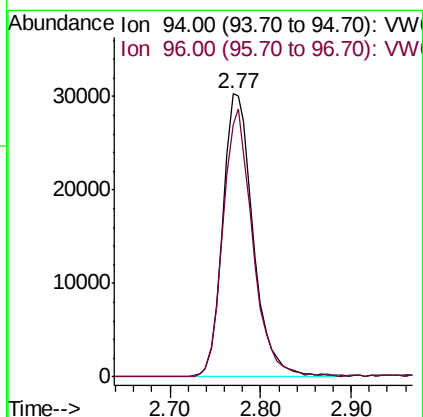
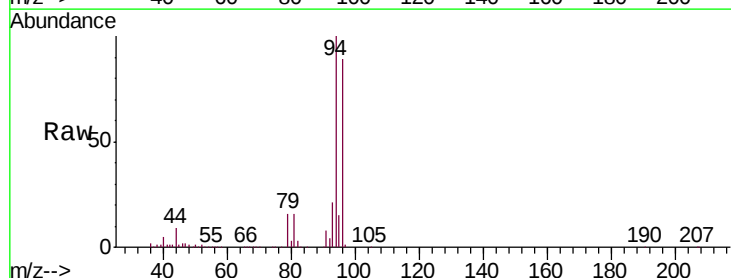
Acq: 22 Jun 2019 01:48

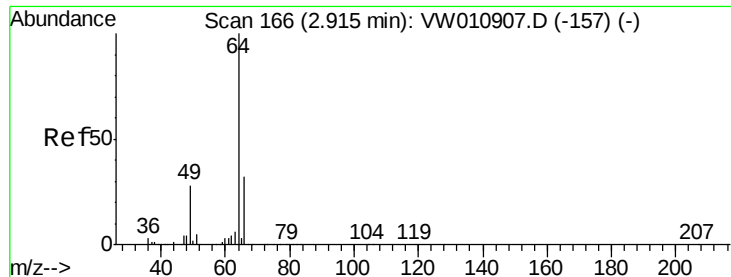
Tgt Ion: 94 Resp: 70467

Ion Ratio Lower Upper

94 100

96 92.4 9.2 175.6





#8

Chloroethane

Concen: 25.523 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

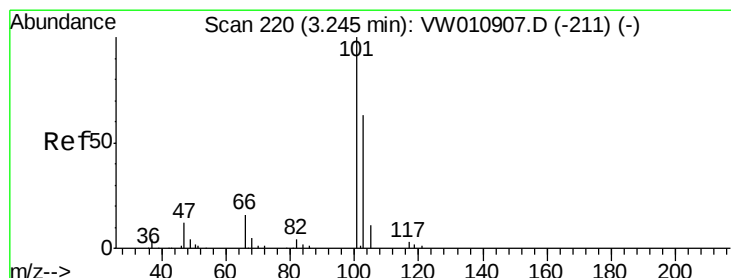
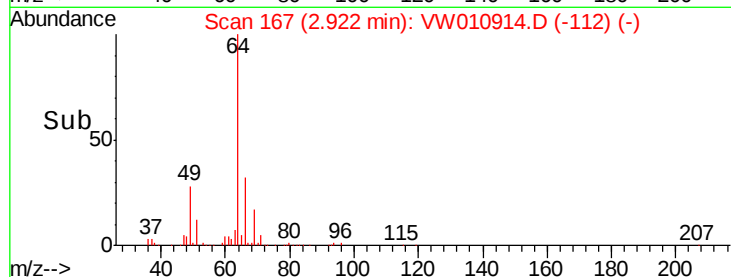
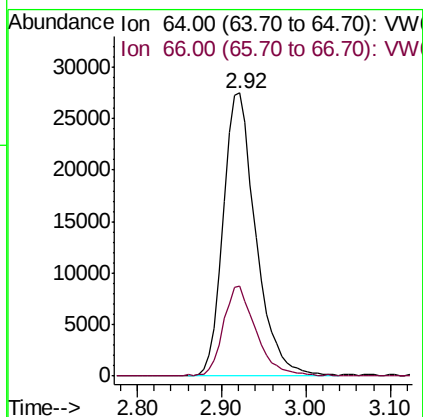
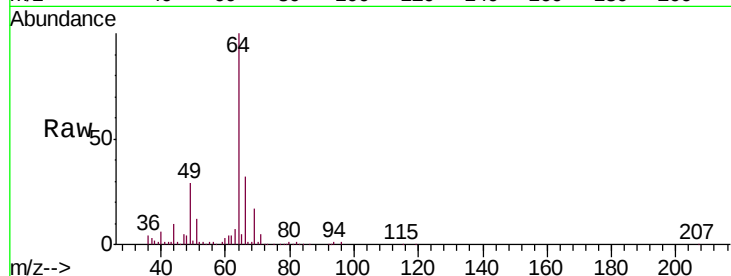
VSTD02525

Tgt Ion: 64 Resp: 72931

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



#9

Trichlorofluoromethane

Concen: 24.813 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW010914.D

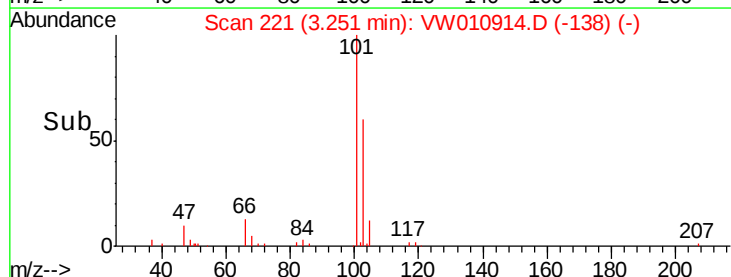
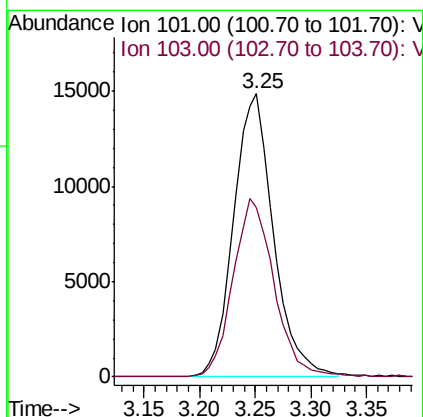
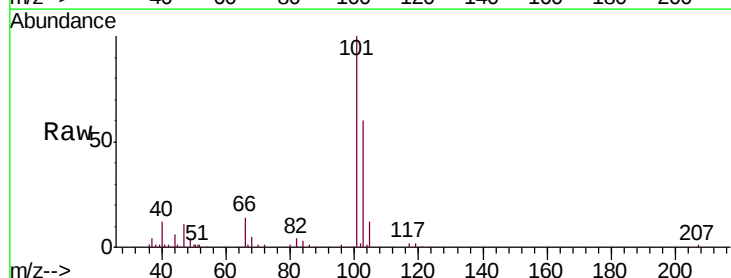
Acq: 22 Jun 2019 01:48

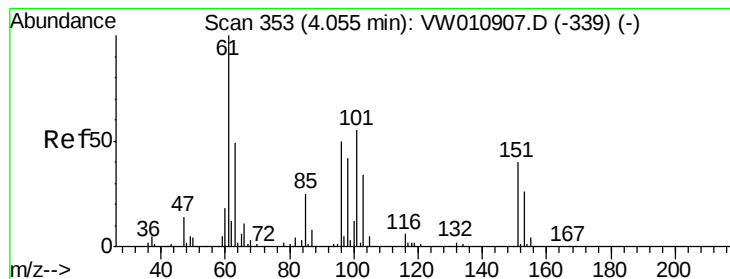
Tgt Ion: 101 Resp: 36922

Ion Ratio Lower Upper

101 100

103 64.6 46.1 85.5





#11

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

Concen: 24.705 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

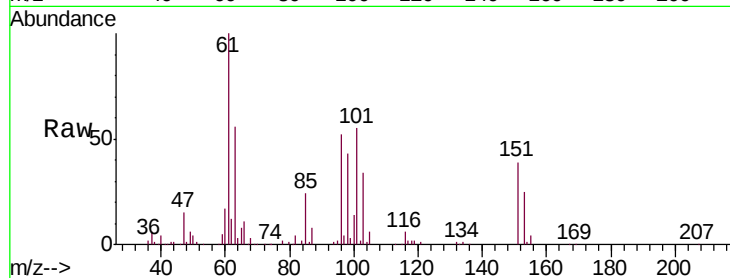
Tgt Ion:101 Resp: 99352

Ion Ratio Lower Upper

101 100

85 44.6 36.5 54.7

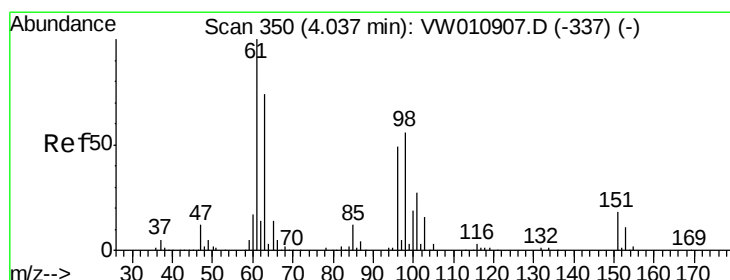
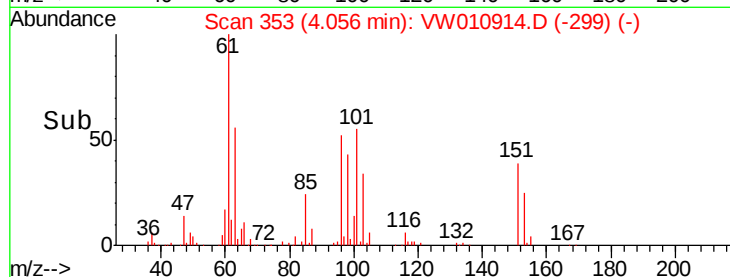
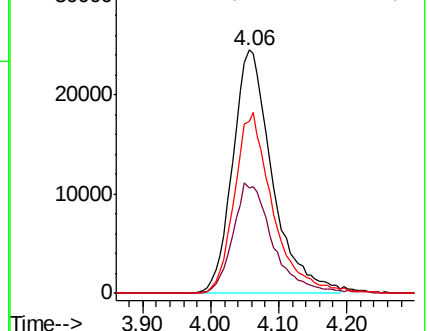
151 71.9 58.6 88.0



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: 25.157 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

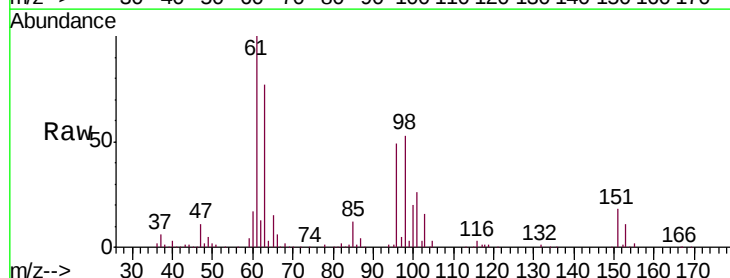
Tgt Ion: 96 Resp: 100492

Ion Ratio Lower Upper

96 100

61 204.5 144.3 267.9

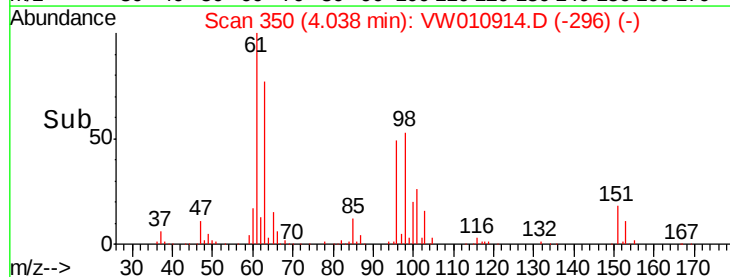
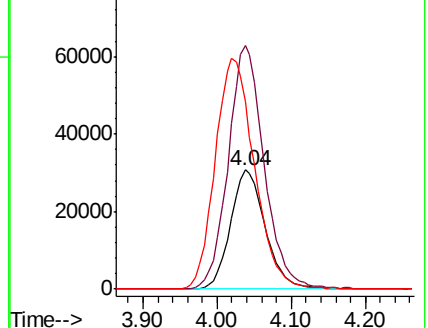
63 156.8 108.4 201.2

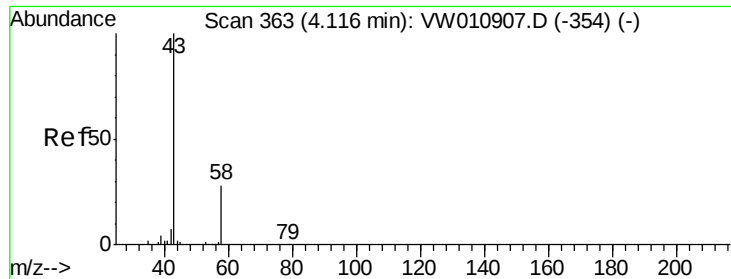


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.603 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampleId :

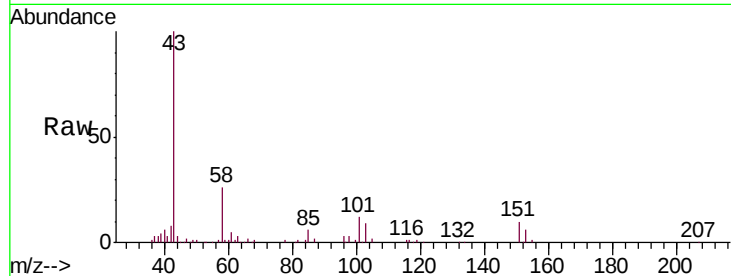
VSTD02525

Tgt Ion: 43 Resp: 91260

Ion Ratio Lower Upper

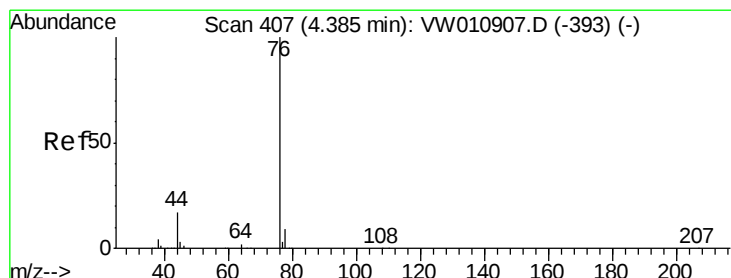
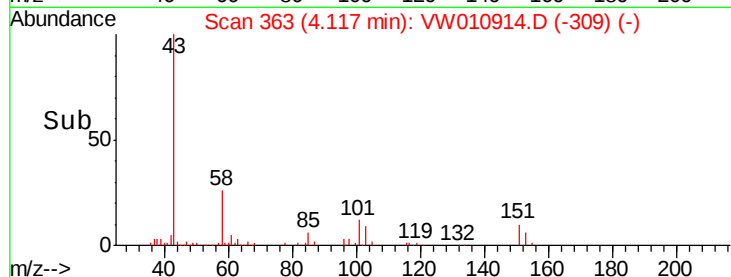
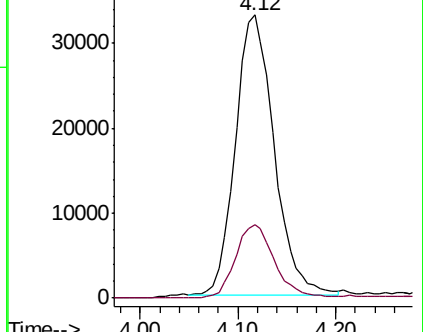
43 100

58 26.3 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: 25.625 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW010914.D

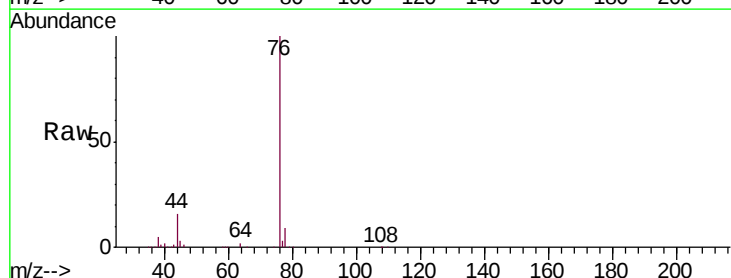
Acq: 22 Jun 2019 01:48

Tgt Ion: 76 Resp: 290476

Ion Ratio Lower Upper

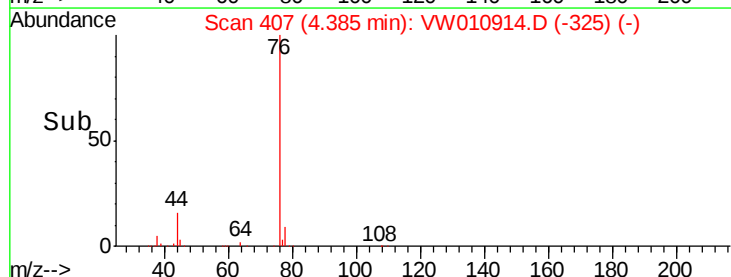
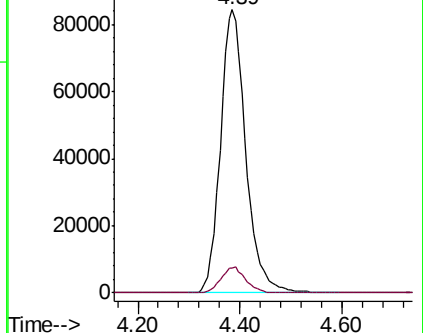
76 100

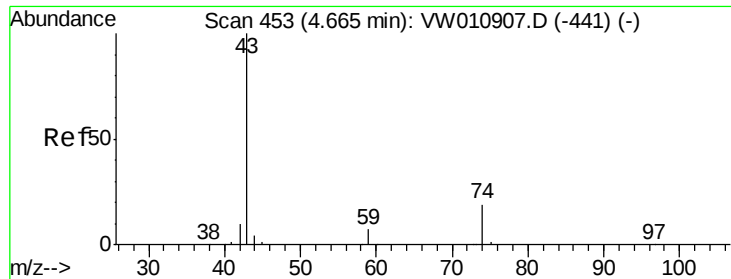
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

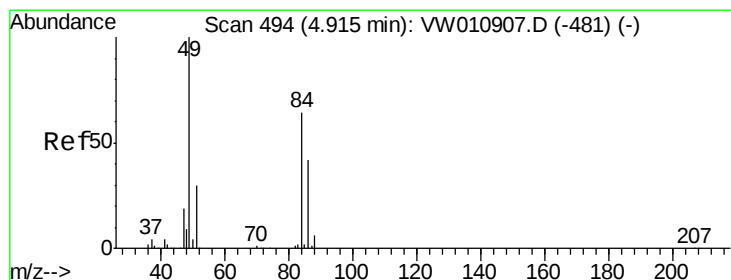
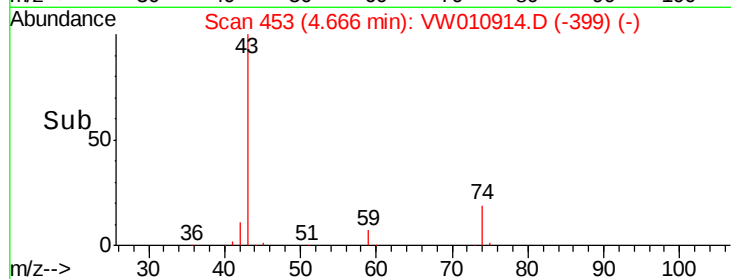
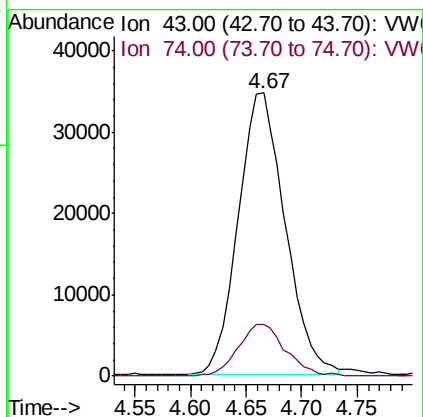
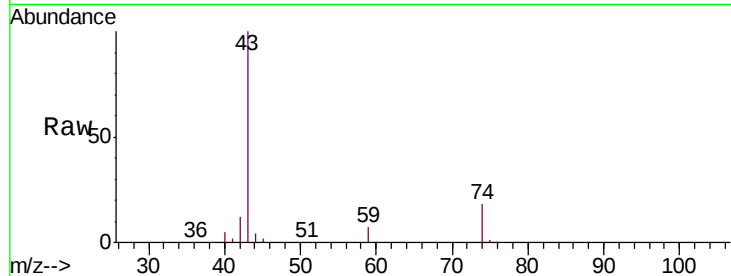




#15
Methyl Acetate
Concen: 29.463 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

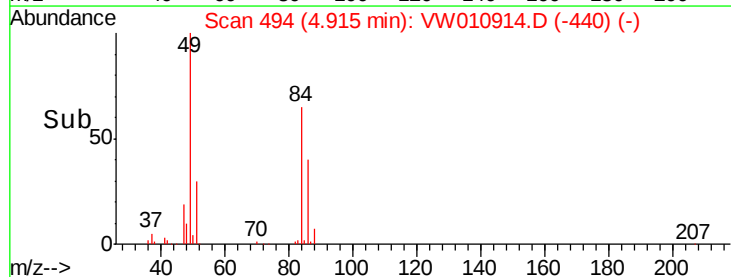
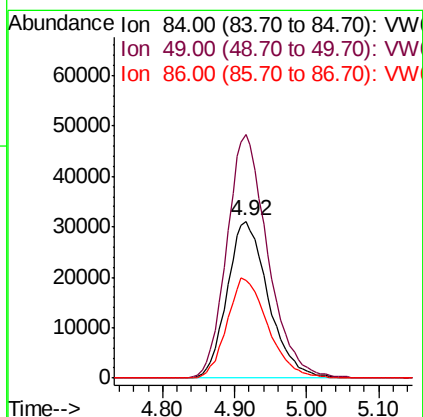
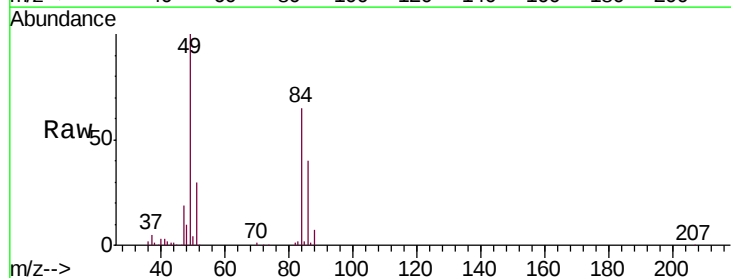
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

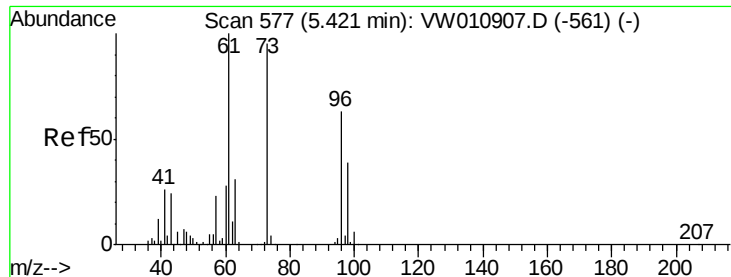
Tgt Ion: 43 Resp: 101052
Ion Ratio Lower Upper
43 100
74 18.9 15.3 22.9



#16
Methylene chloride
Concen: 25.028 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Tgt Ion: 84 Resp: 123675
Ion Ratio Lower Upper
84 100
49 154.9 109.8 203.8
86 62.4 46.5 86.5

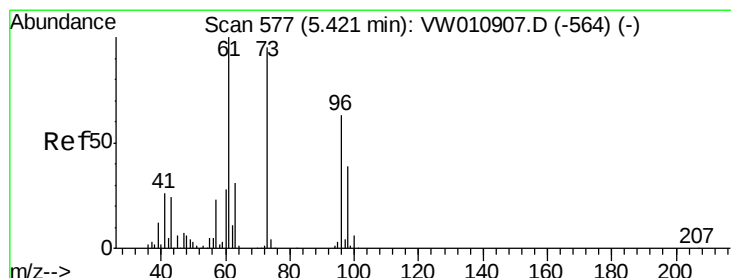
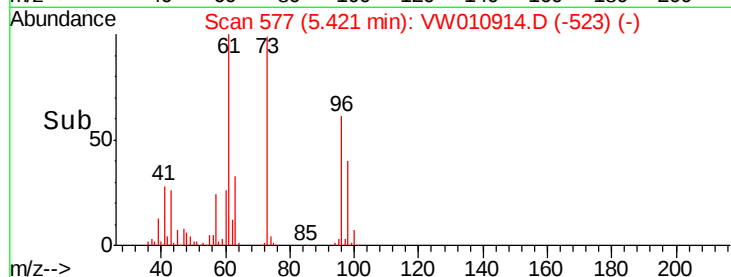
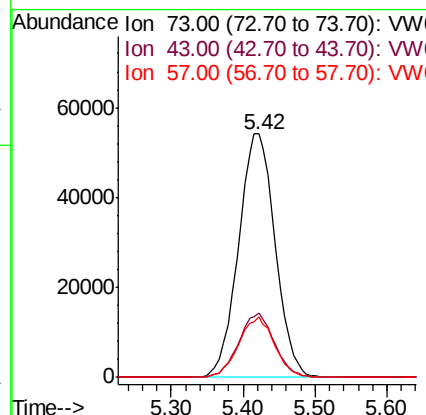
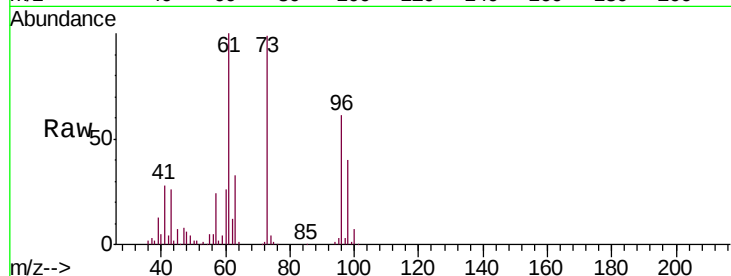




#17
Methyl tert-butyl Ether
Concen: 27.559 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

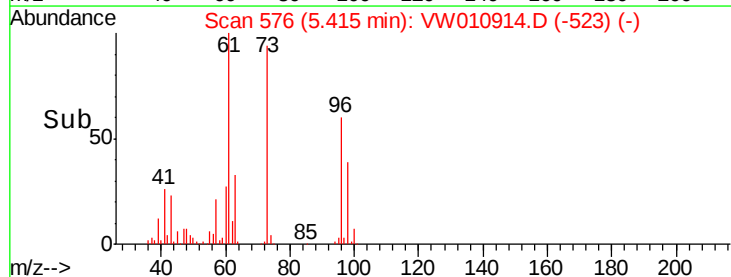
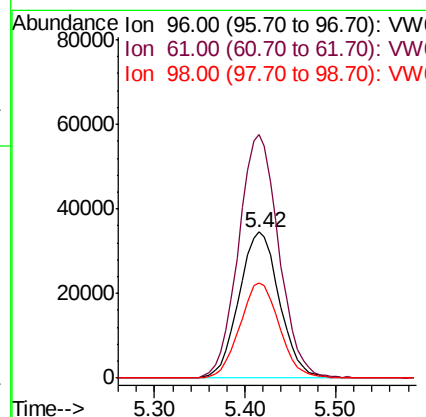
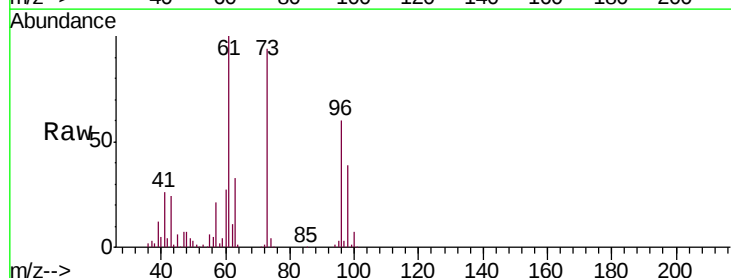
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

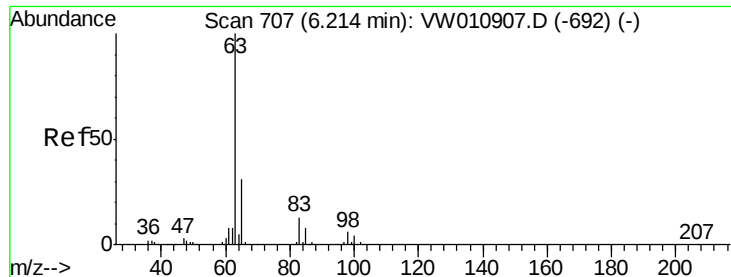
Tgt Ion: 73 Resp: 191487
Ion Ratio Lower Upper
73 100
43 25.2 20.4 30.6
57 24.0 19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 24.845 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Tgt Ion: 96 Resp: 107008
Ion Ratio Lower Upper
96 100
61 166.7 111.7 207.5
98 65.0 43.5 80.9

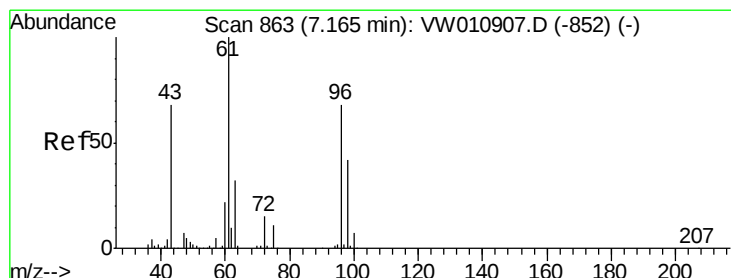
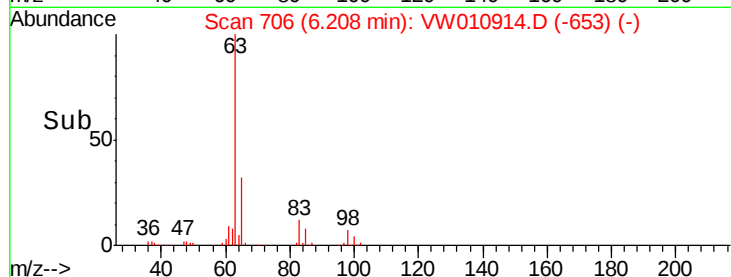
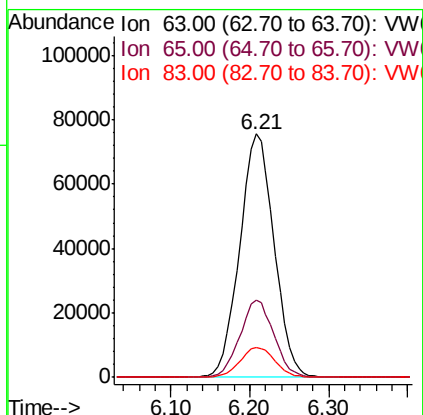
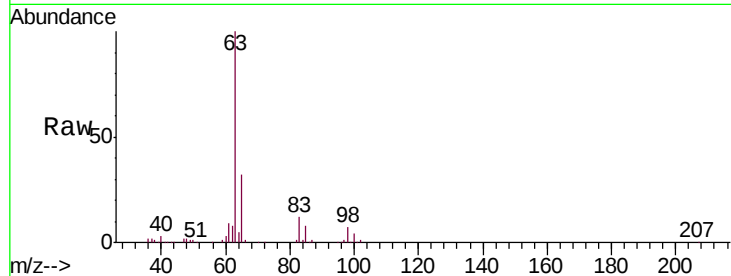




#19
 1,1-Dichloroethane
 Concen: 26.044 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

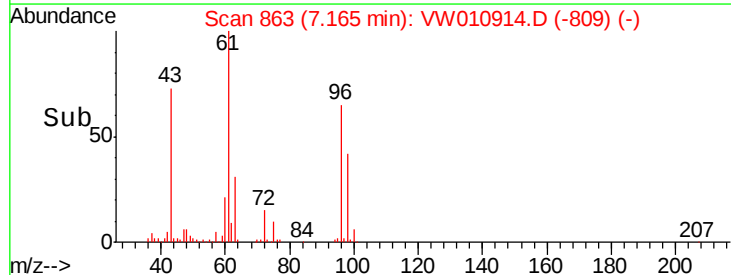
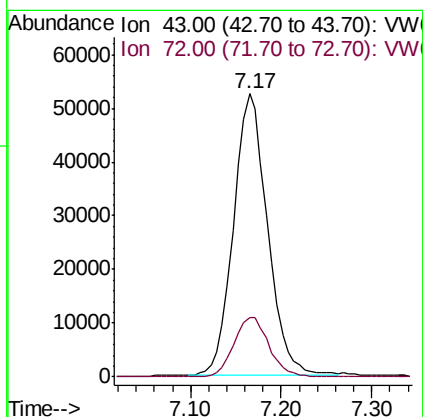
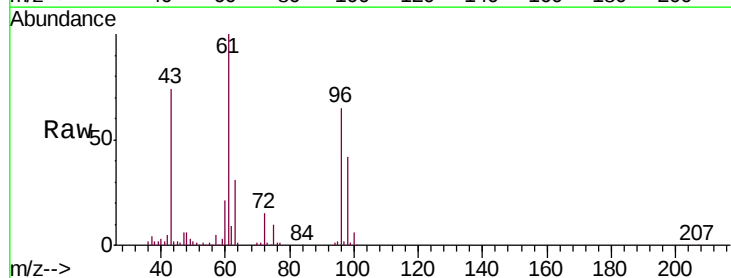
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

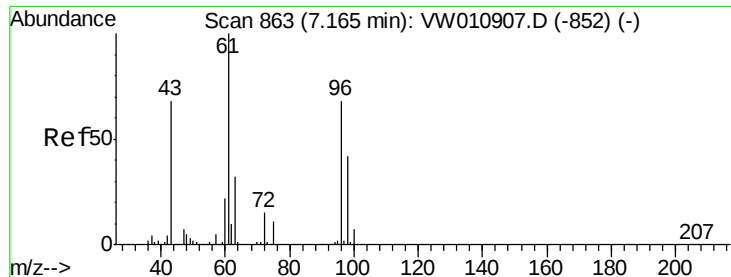
Tgt Ion: 63 Resp: 228713
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.4
 83 12.1 8.8 16.4



#21
 2-Butanone
 Concen: 53.334 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion: 43 Resp: 136095
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.1 33.1



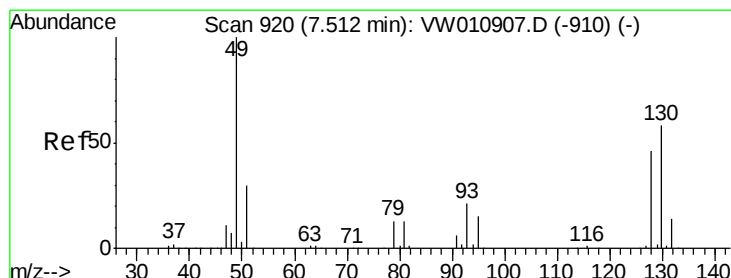
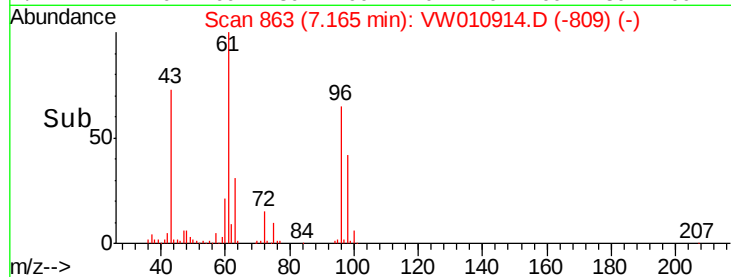
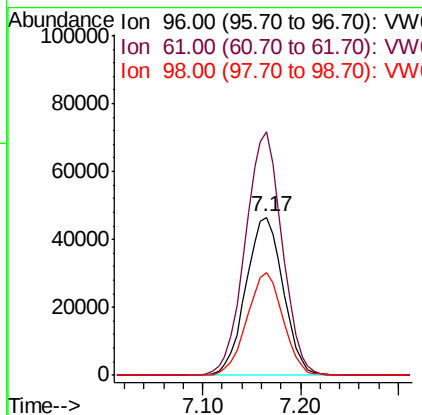
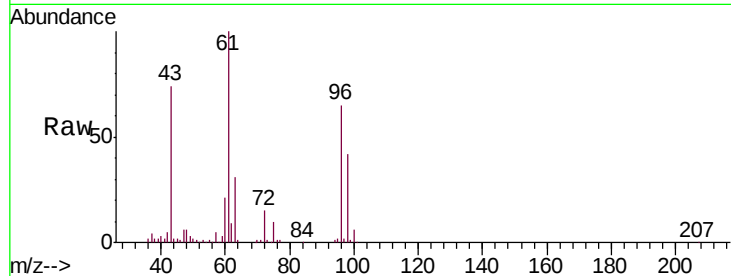


#22

cis-1,2-Dichloroethene
 Concen: 25.945 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

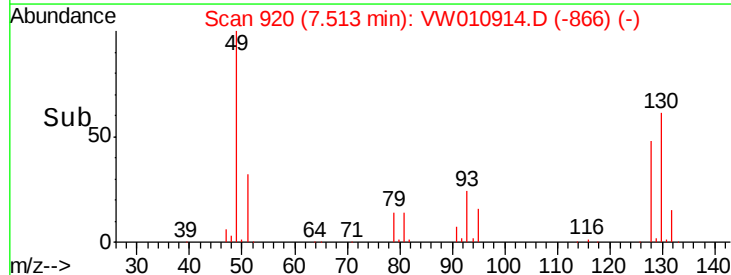
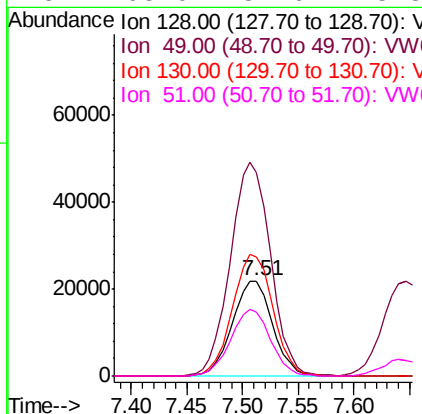
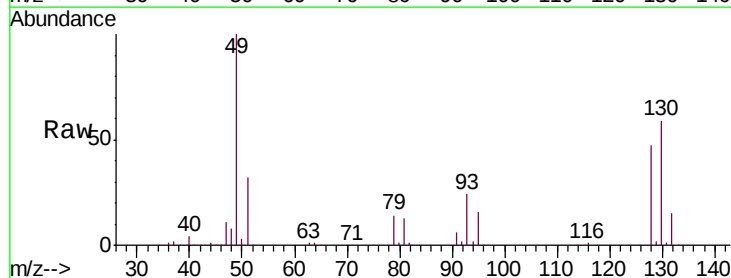
Tgt Ion: 96 Resp: 123520
 Ion Ratio Lower Upper
 96 100
 61 153.7 103.0 191.2
 98 64.9 43.5 80.9

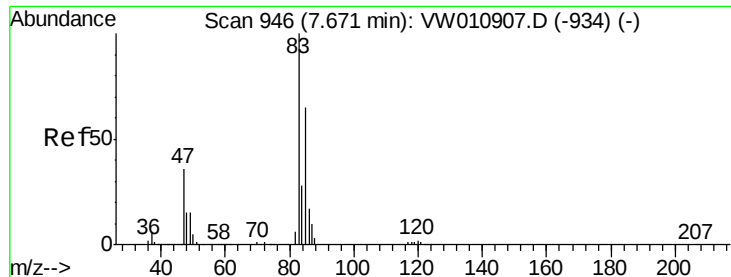


#23

Bromochloromethane
 Concen: 26.490 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion: 128 Resp: 54806
 Ion Ratio Lower Upper
 128 100
 49 214.1 151.2 280.8
 130 126.2 87.8 163.0
 51 68.0 52.6 78.8





#25

Chloroform

Concen: 26.136 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampled :

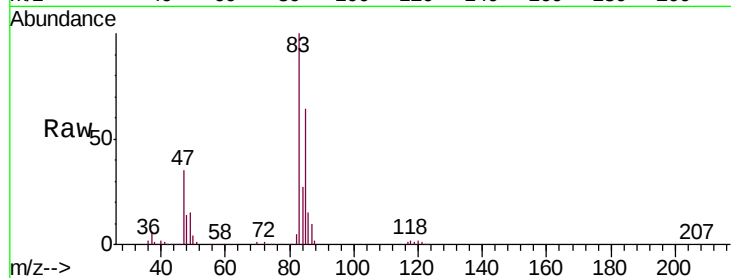
VSTD02525

Tgt Ion: 83 Resp: 216504

Ion Ratio Lower Upper

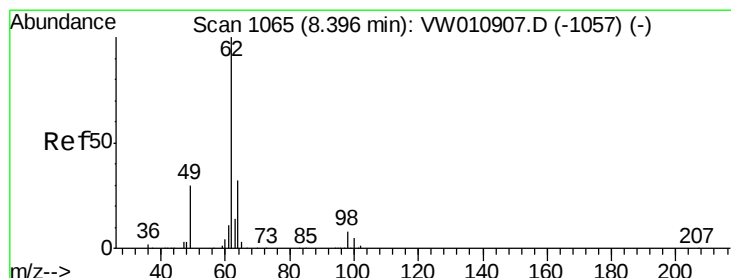
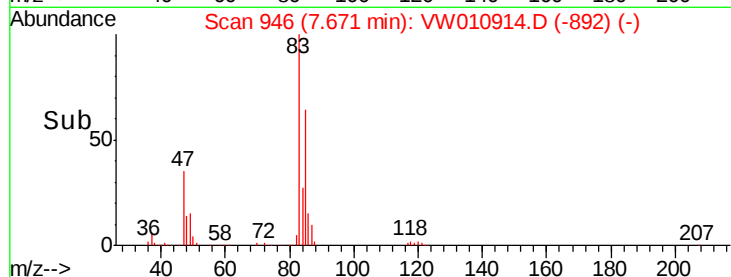
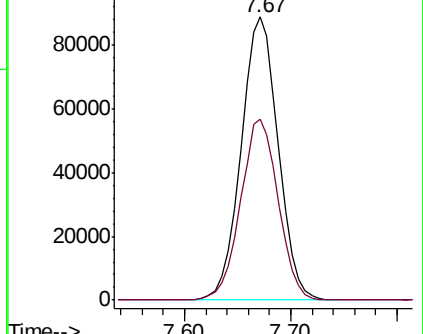
83 100

85 65.3 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 27.375 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010914.D

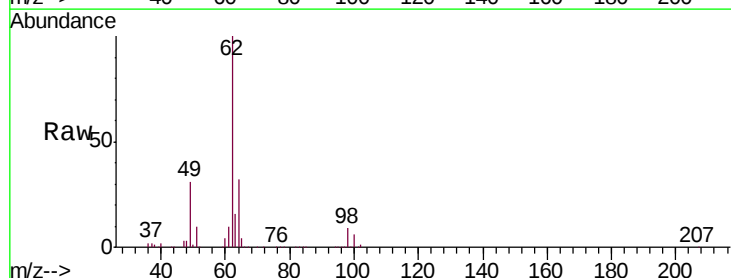
Acq: 22 Jun 2019 01:48

Tgt Ion: 62 Resp: 183211

Ion Ratio Lower Upper

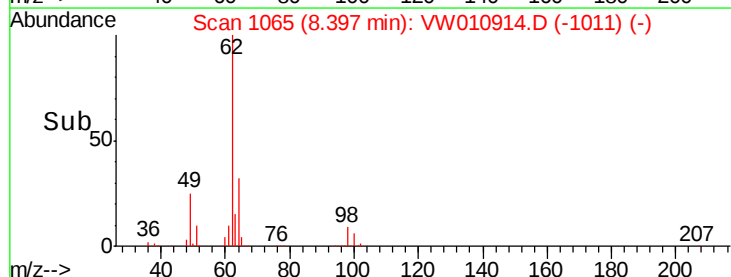
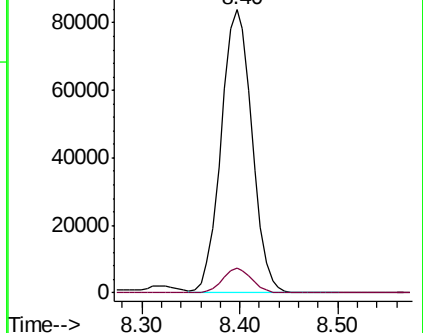
62 100

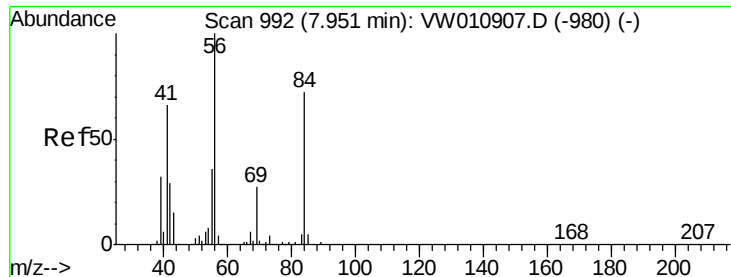
98 8.6 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

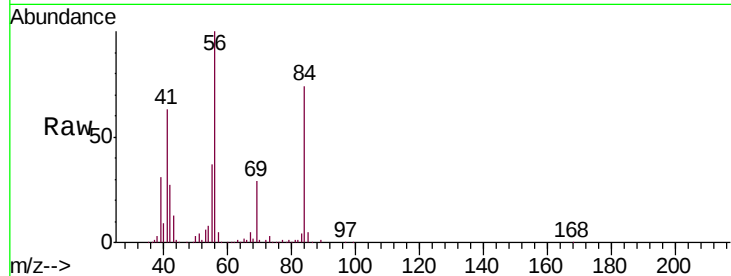




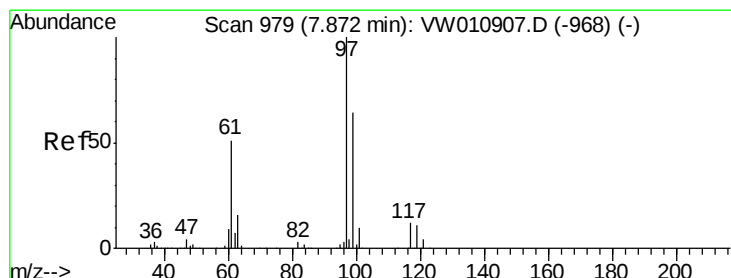
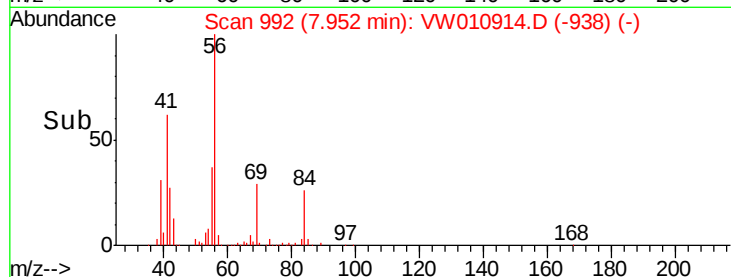
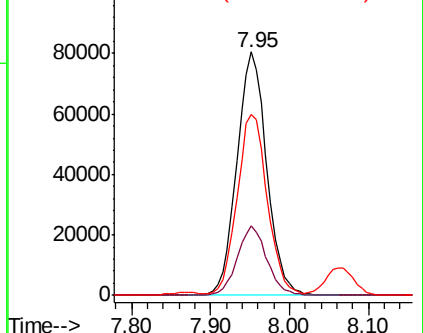
#30
Cyclohexane
Concen: 24.160 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tgt Ion: 56 Resp: 211541
Ion Ratio Lower Upper
56 100
69 28.0 22.3 33.5
84 75.7 60.3 90.5

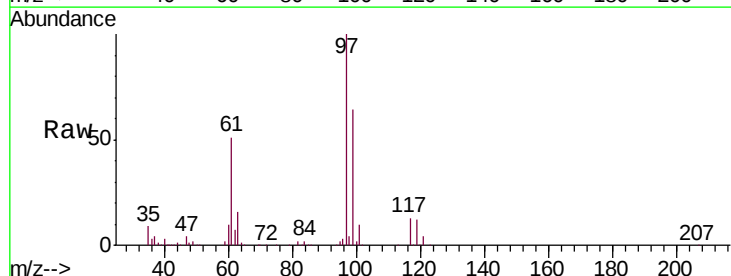


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

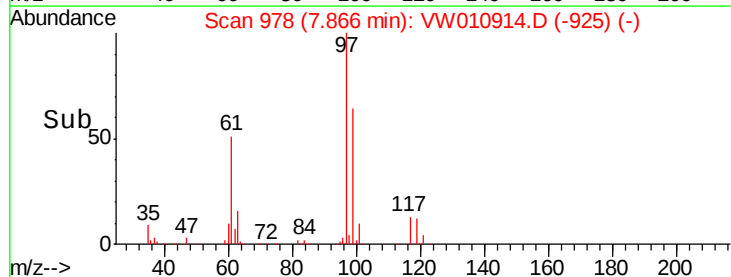
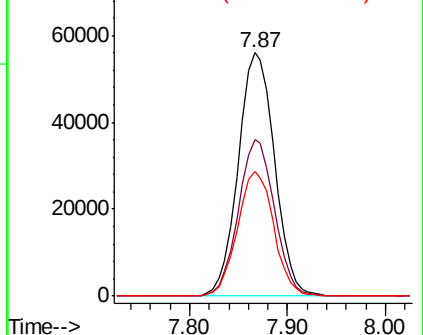


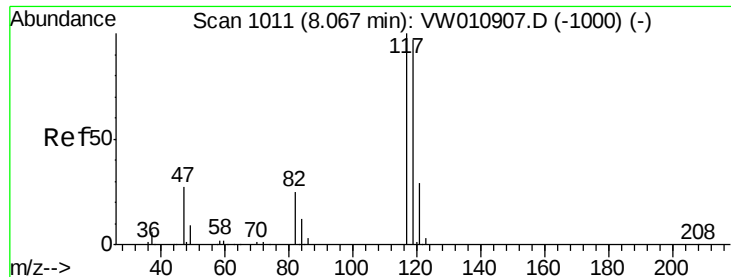
#31
1,1,1-Trichloroethane
Concen: 25.288 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Tgt Ion: 97 Resp: 144705
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 51.5 41.6 62.4



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: 24.710 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

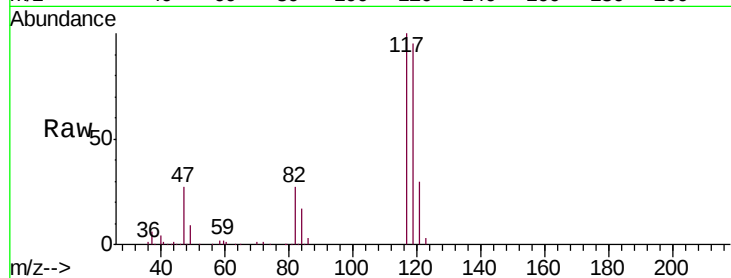
VSTD02525

Tgt Ion:117 Resp: 130610

Ion Ratio Lower Upper

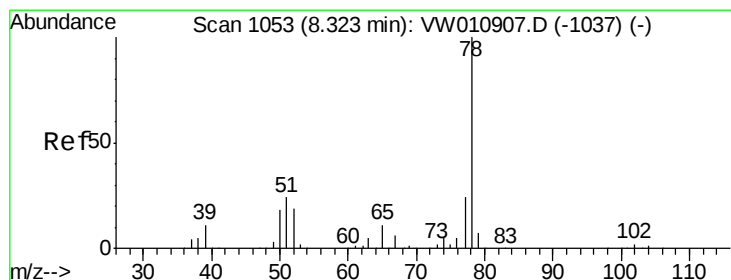
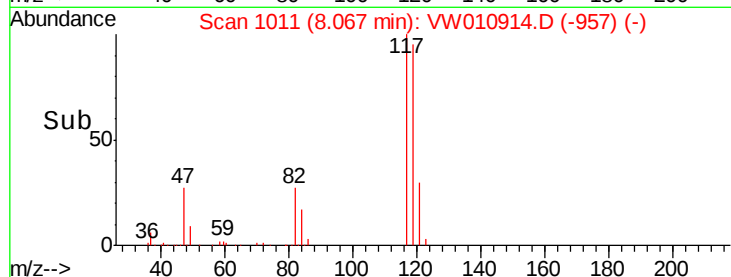
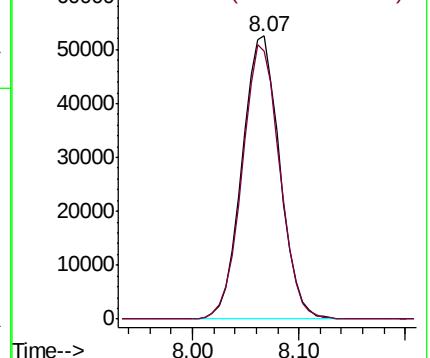
117 100

119 96.7 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: 25.402 ug/L

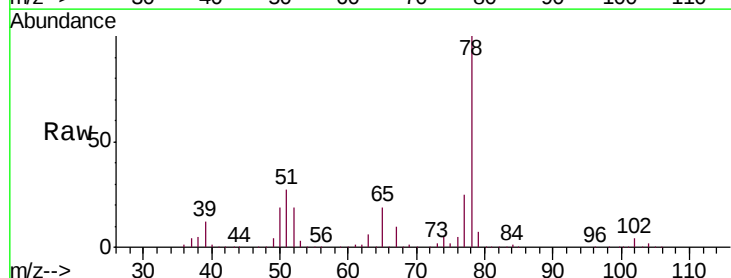
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

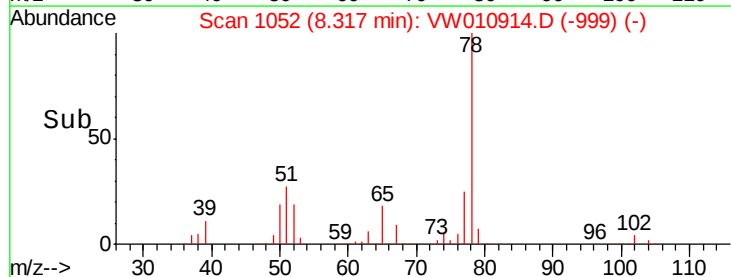
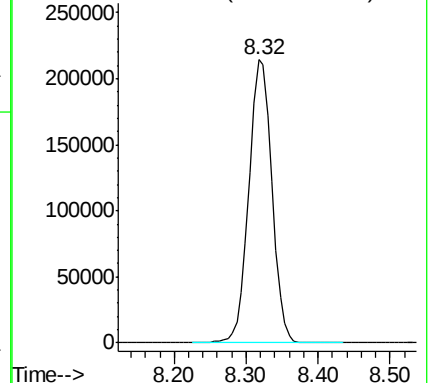
Lab File: VW010914.D

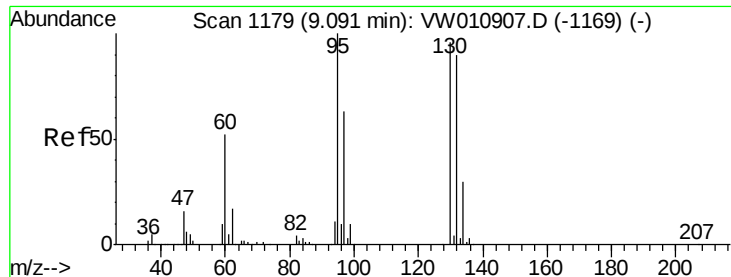
Acq: 22 Jun 2019 01:48

Tgt Ion: 78 Resp: 477614



Abundance Ion 78.00 (77.70 to 78.70): VW

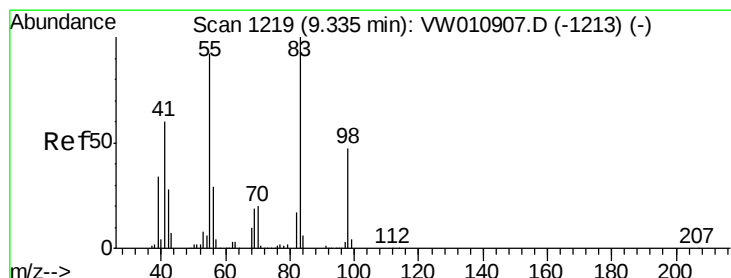
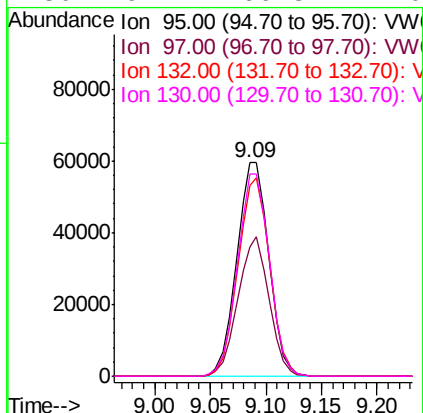
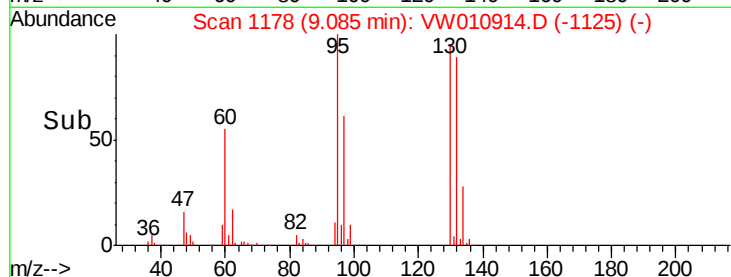
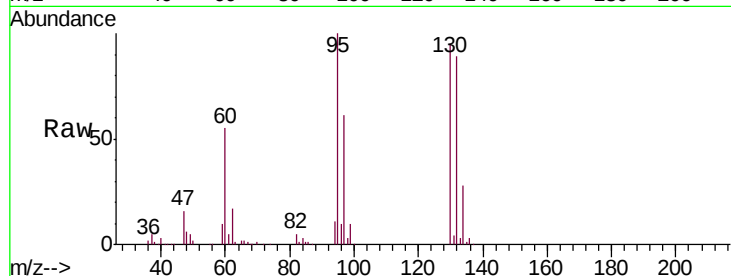




#35
 Trichloroethene
 Concen: 25.542 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

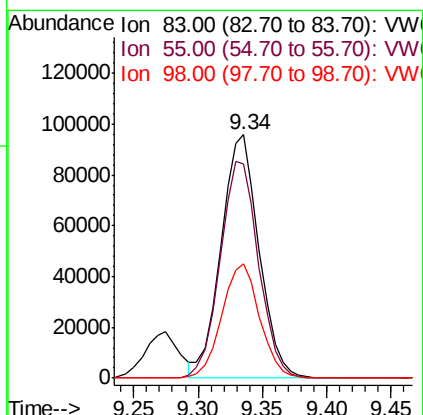
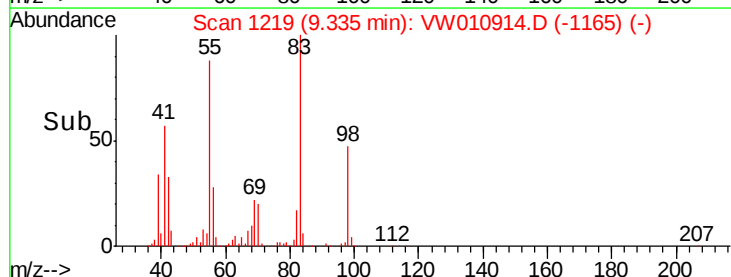
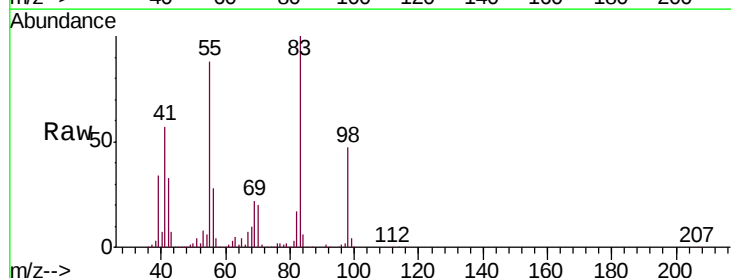
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

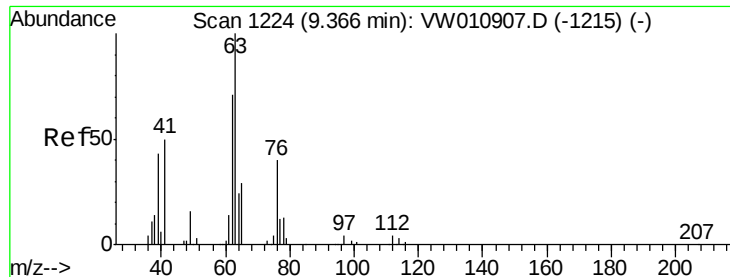
Tgt Ion:	95	Resp:	118955
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.5	82.7
132	91.7	63.6	118.2
130	94.7	66.8	124.0



#36
 Methylcyclohexane
 Concen: 24.189 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion:	83	Resp:	197205
Ion	Ratio	Lower	Upper
83	100		
55	90.1	72.6	109.0
98	47.3	37.9	56.9





#40

1,2-Dichloropropane

Concen: 25.875 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

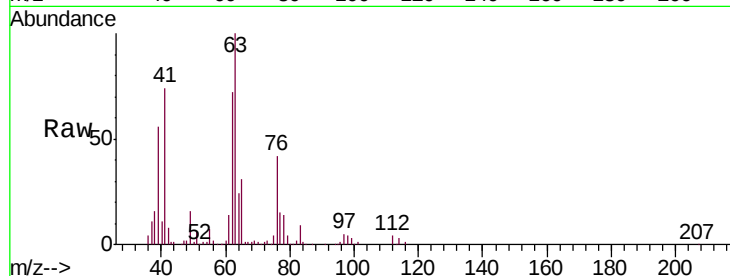
VSTD02525

Tgt Ion: 63 Resp: 136074

Ion Ratio Lower Upper

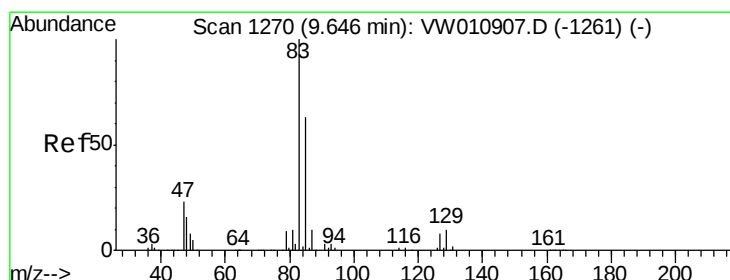
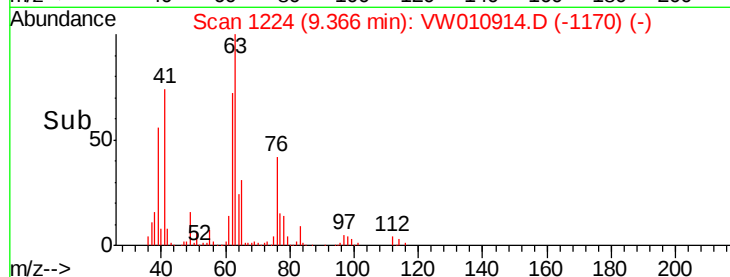
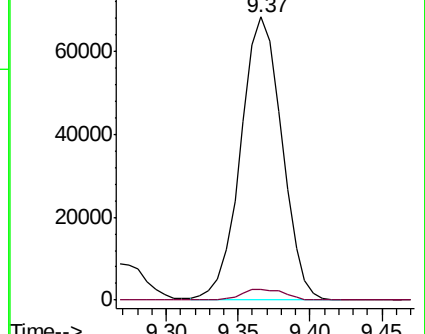
63 100

112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.706 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

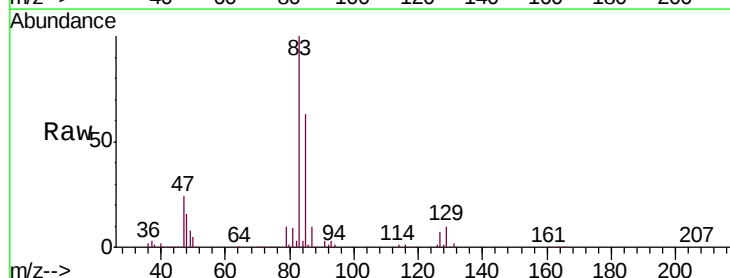
Tgt Ion: 83 Resp: 161547

Ion Ratio Lower Upper

83 100

85 63.2 43.8 81.4

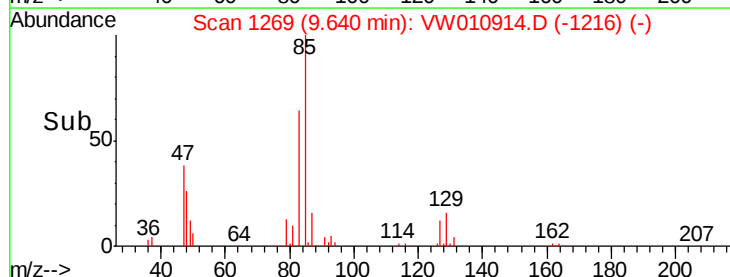
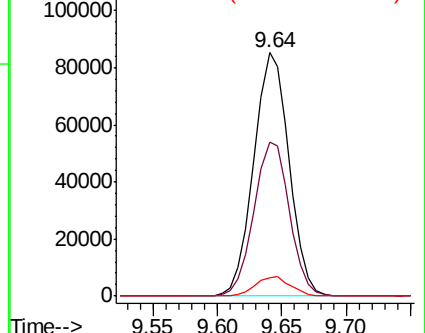
127 7.3 6.2 9.4

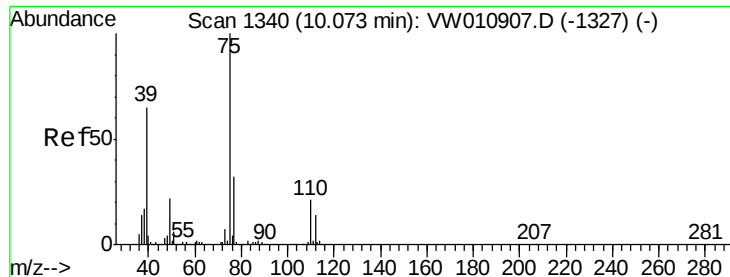


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.947 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

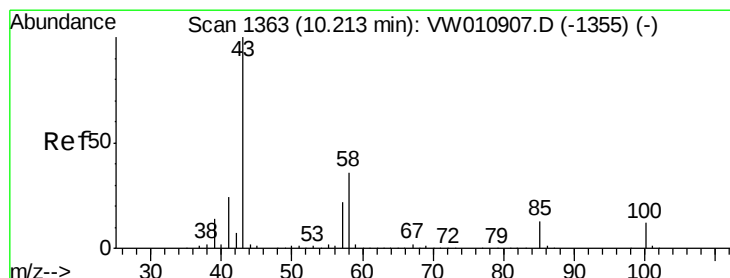
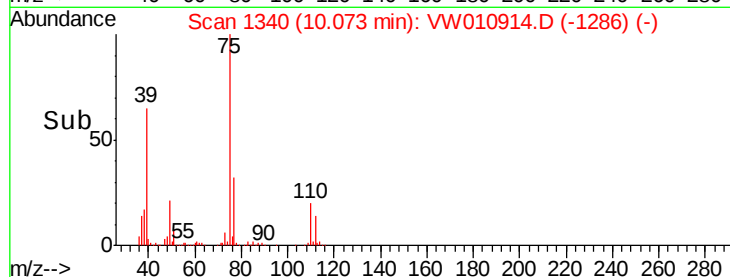
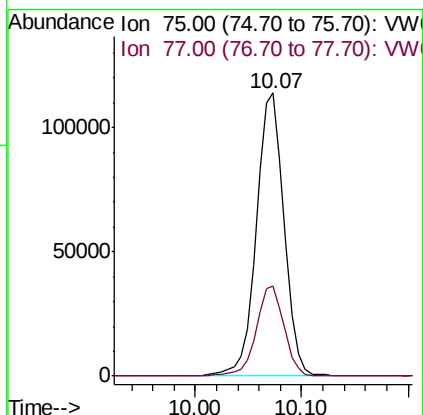
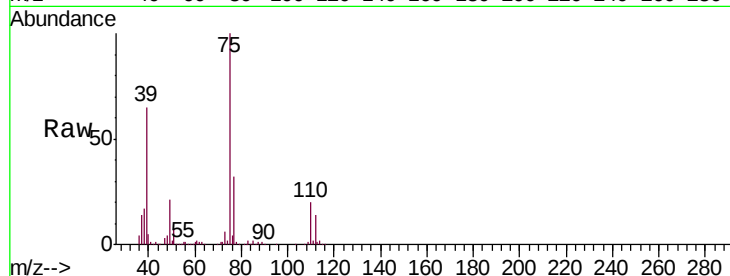
VSTD02525

Tgt Ion: 75 Resp: 208059

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 57.480 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

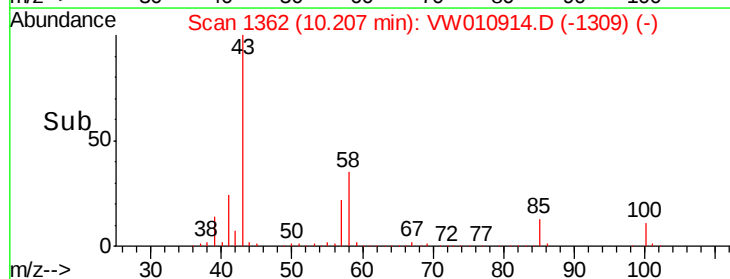
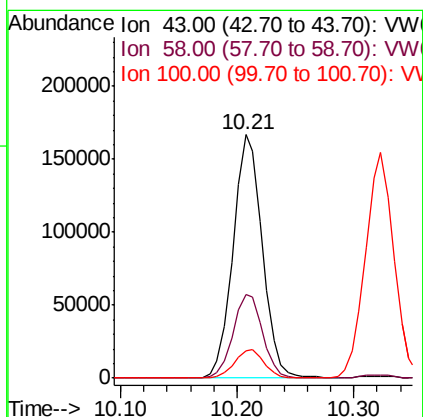
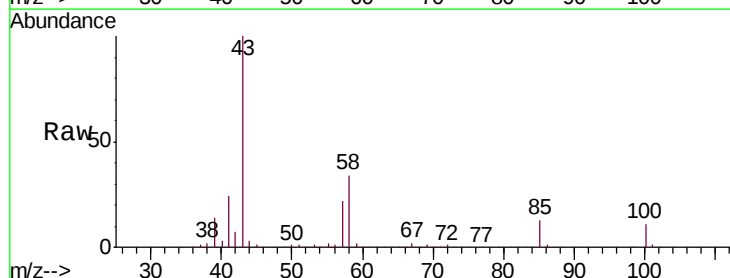
Tgt Ion: 43 Resp: 291440

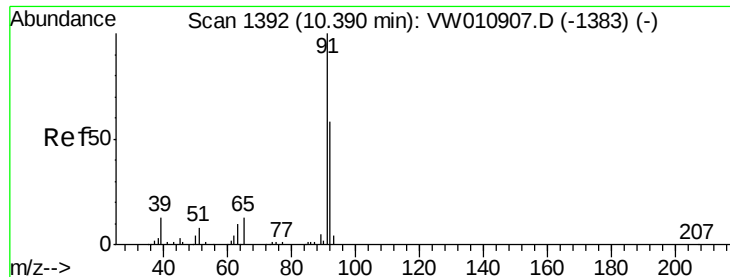
Ion Ratio Lower Upper

43 100

58 34.7 27.9 41.9

100 11.7 9.4 14.2





#44

Toluene

Concen: 25.622 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

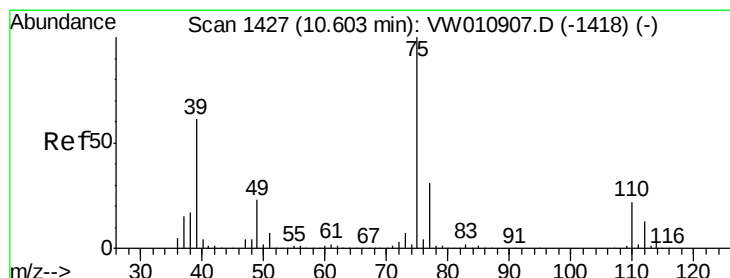
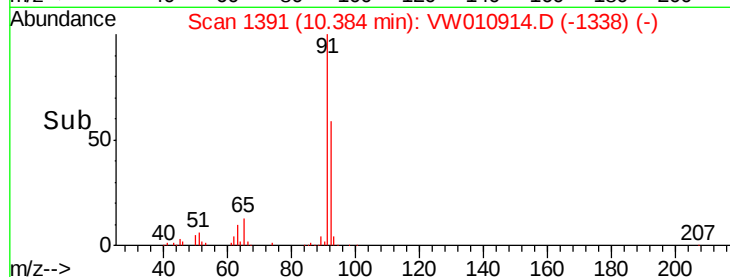
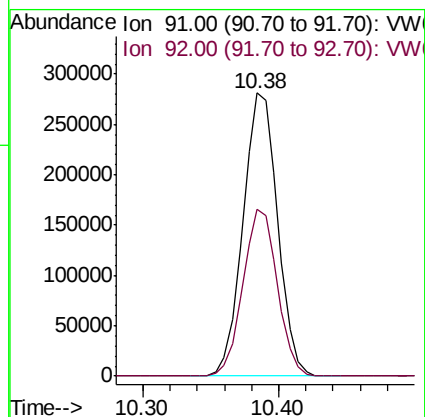
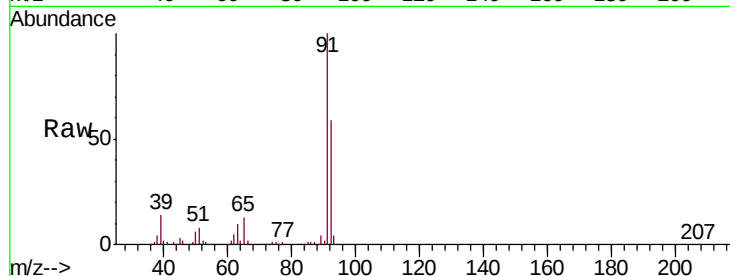
VSTD02525

Tgt Ion: 91 Resp: 500167

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 27.098 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010914.D

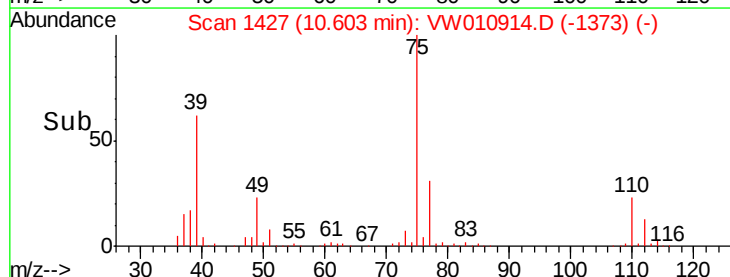
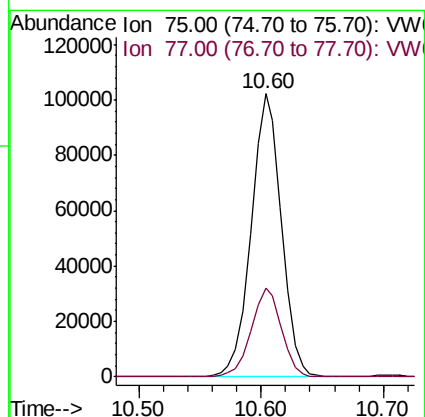
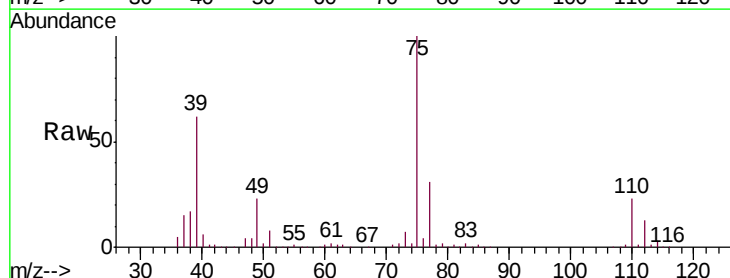
Acq: 22 Jun 2019 01:48

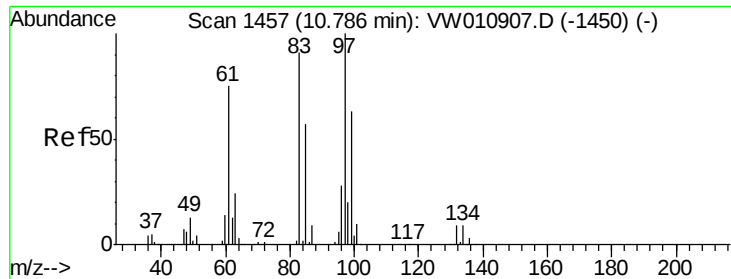
Tgt Ion: 75 Resp: 175475

Ion Ratio Lower Upper

75 100

77 31.3 21.5 39.9

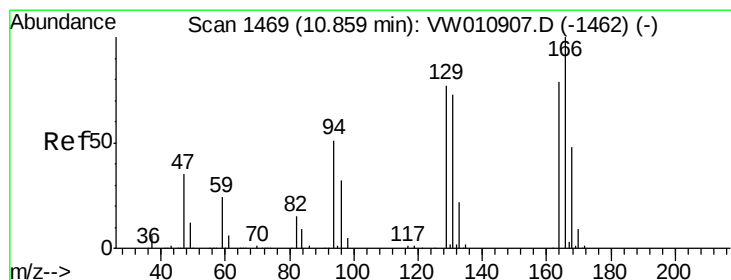
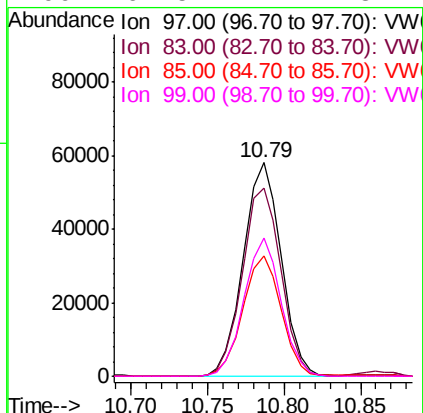
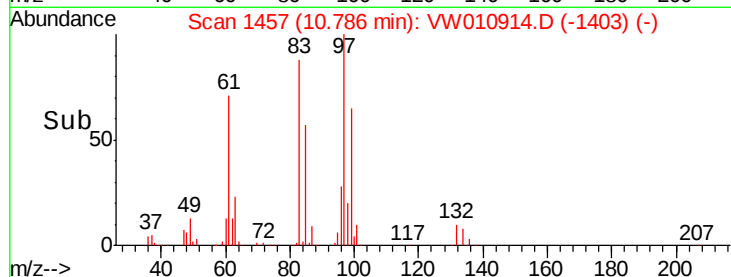
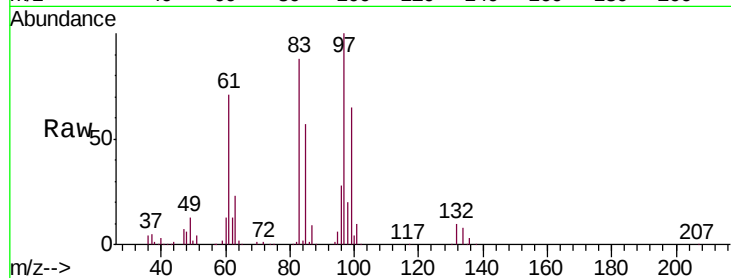




#46
 1,1,2-Trichloroethane
 Concen: 27.258 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

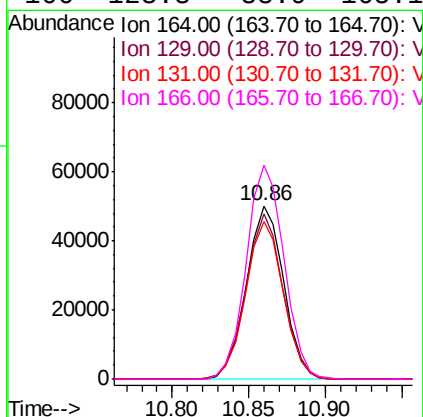
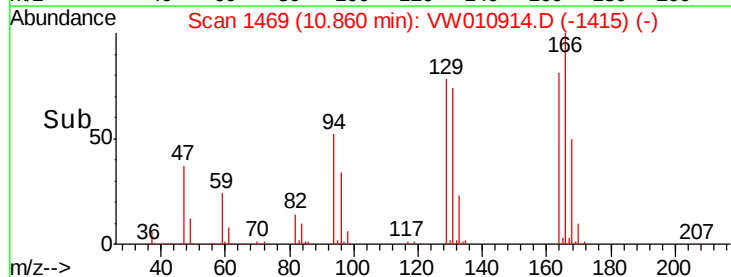
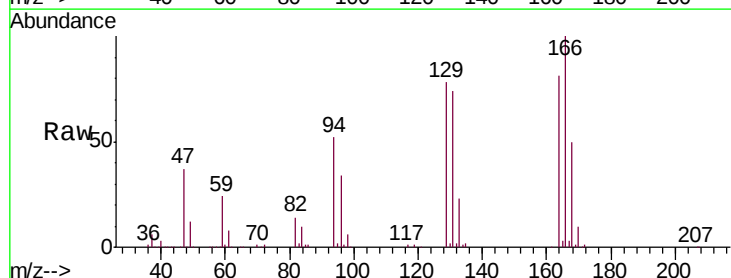
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

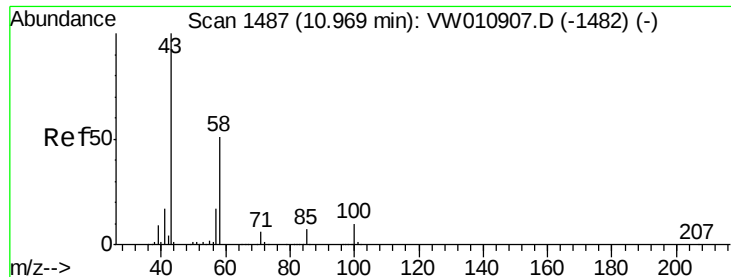
Tgt Ion:	97	Resp:	100282
Ion	Ratio	Lower	Upper
97	100		
83	88.1	63.5	117.9
85	56.5	39.9	74.1
99	64.5	44.4	82.4



#47
 Tetrachloroethene
 Concen: 24.790 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion:	164	Resp:	85041
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.5	127.3
131	91.1	65.3	121.3
166	123.3	88.9	165.1

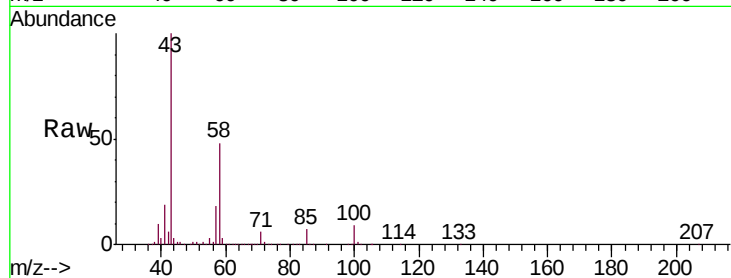




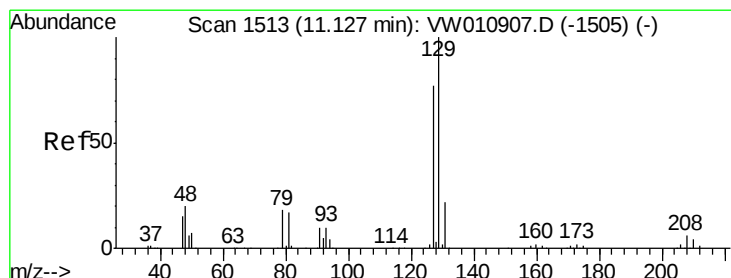
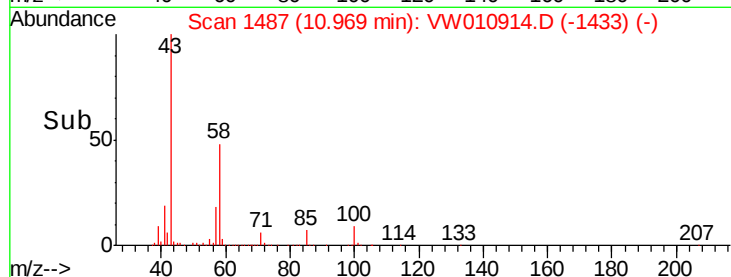
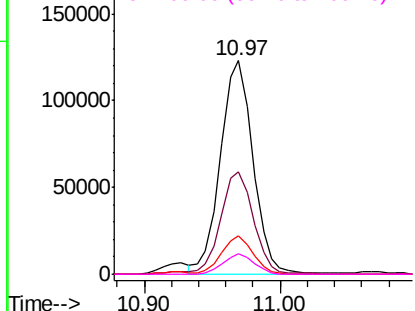
#49
2-Hexanone
Concen: 57.728 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tgt Ion:	43	Resp:	206039
Ion	Ratio	Lower	Upper
43	100		
58	47.6	38.2	57.2
57	17.0	13.5	20.3
100	9.2	7.4	11.0

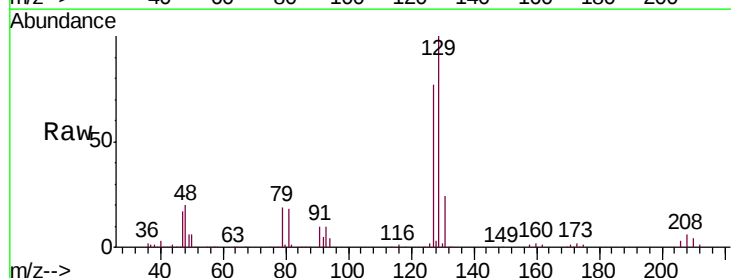


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

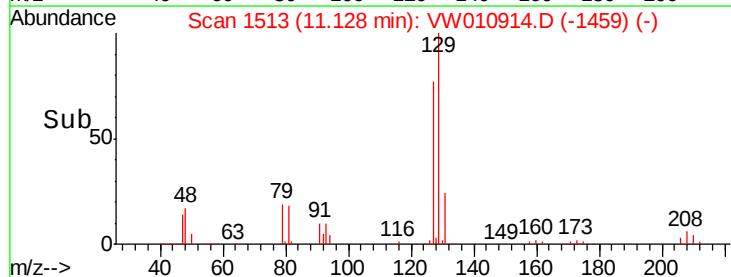
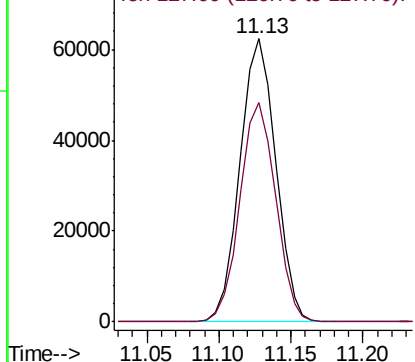


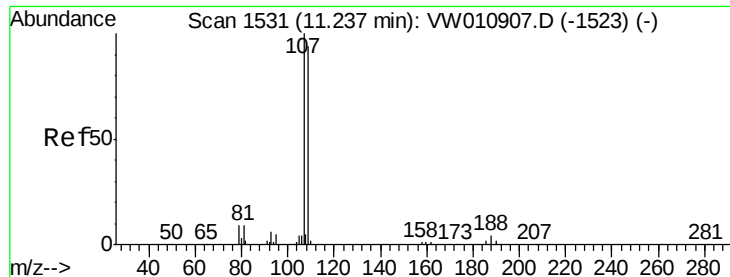
#50
Dibromochloromethane
Concen: 27.544 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Tgt Ion:	129	Resp:	107891
Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 27.590 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

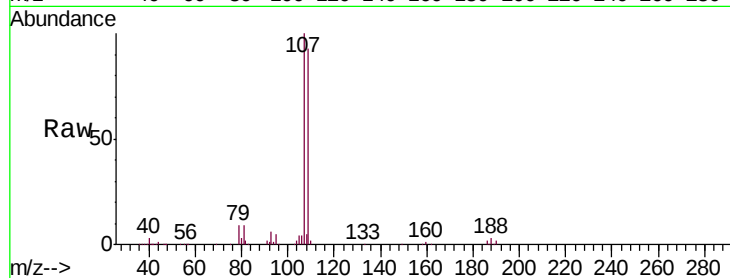
Tgt Ion:107 Resp: 99966

Ion Ratio Lower Upper

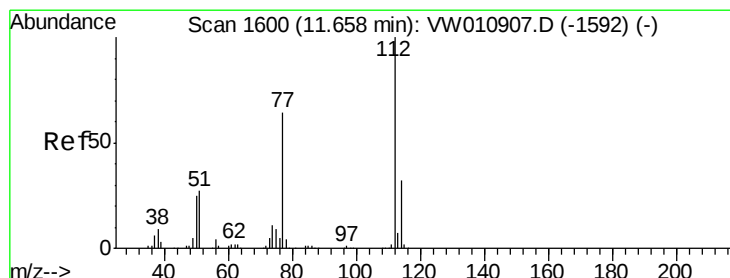
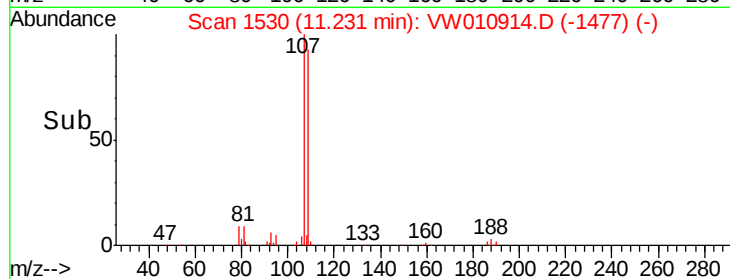
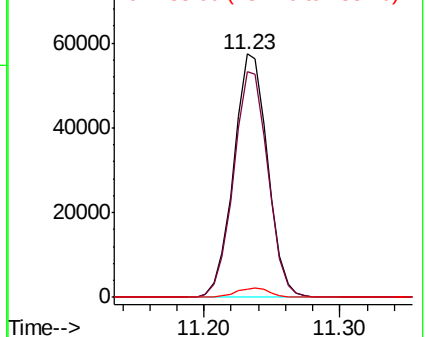
107 100

109 93.0 65.7 121.9

188 3.5 3.0 4.4



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: 25.892 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

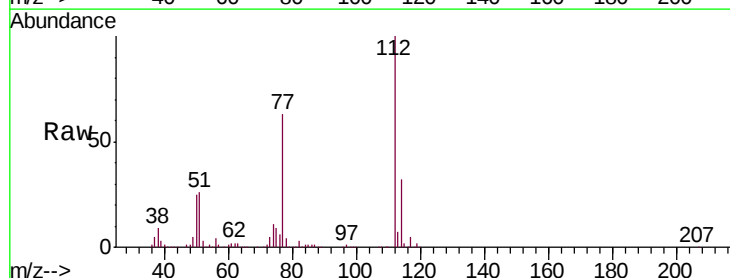
Tgt Ion:112 Resp: 311638

Ion Ratio Lower Upper

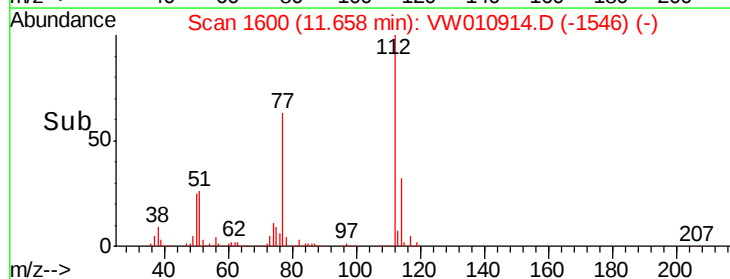
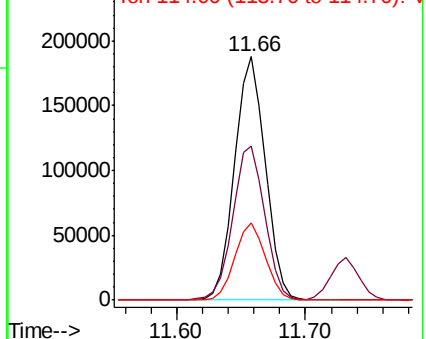
112 100

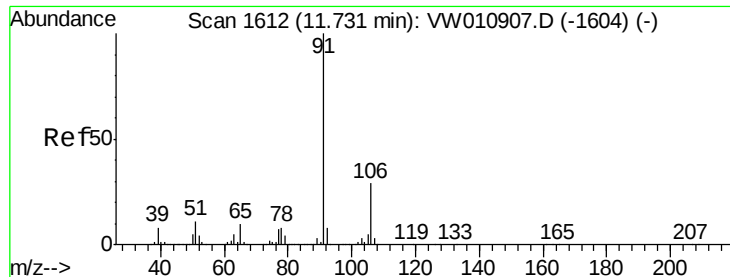
77 63.2 51.4 77.0

114 31.9 22.5 41.9



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: 25.398 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

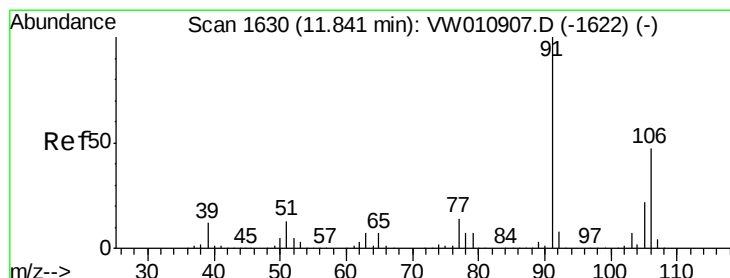
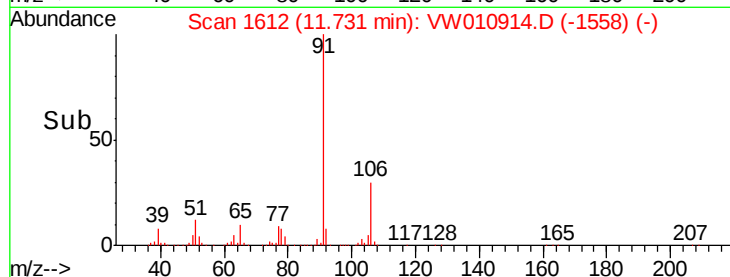
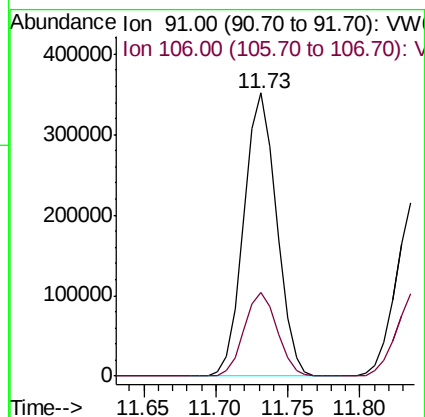
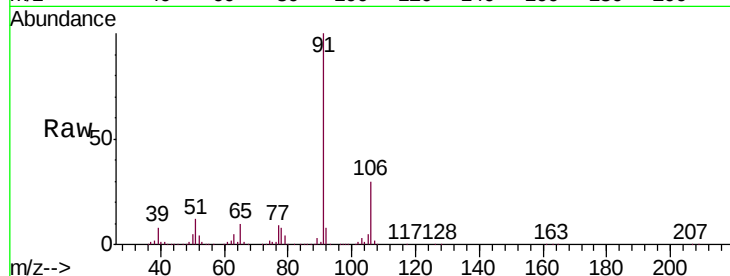
VSTD02525

Tgt Ion: 91 Resp: 555608

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.2



#54

m,p-Xylene

Concen: 25.598 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010914.D

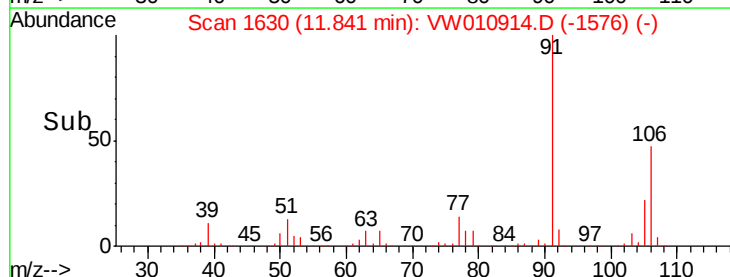
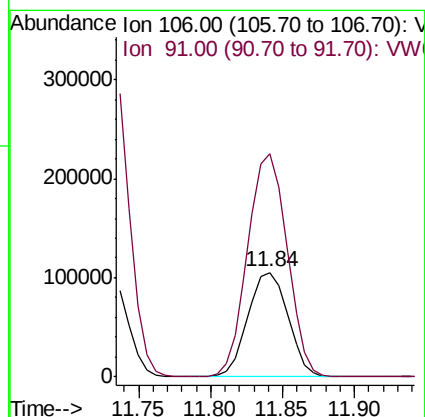
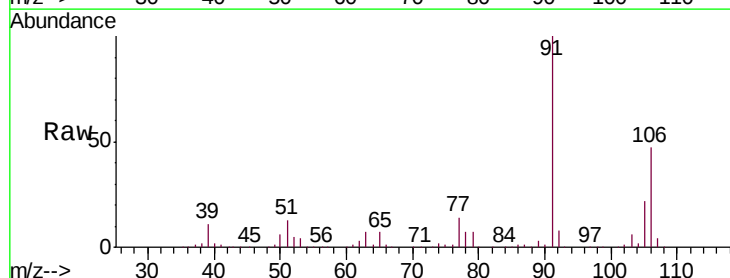
Acq: 22 Jun 2019 01:48

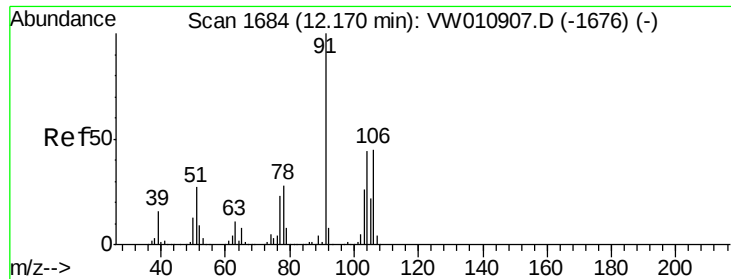
Tgt Ion: 106 Resp: 203757

Ion Ratio Lower Upper

106 100

91 213.1 148.3 275.3

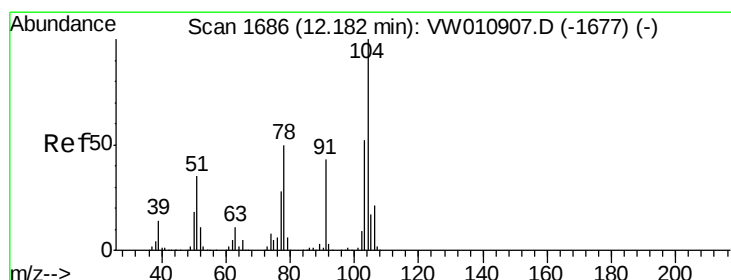
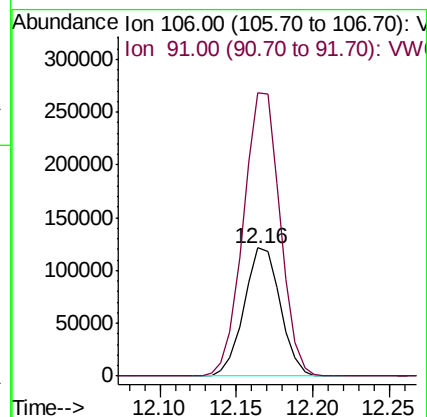
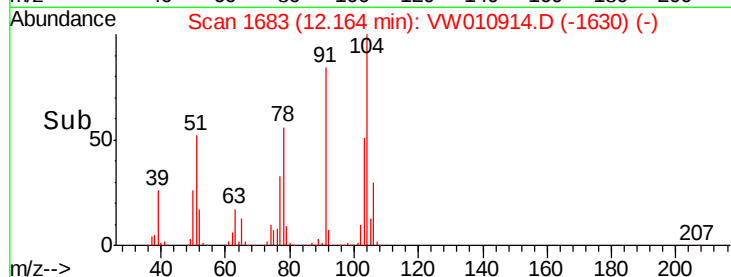
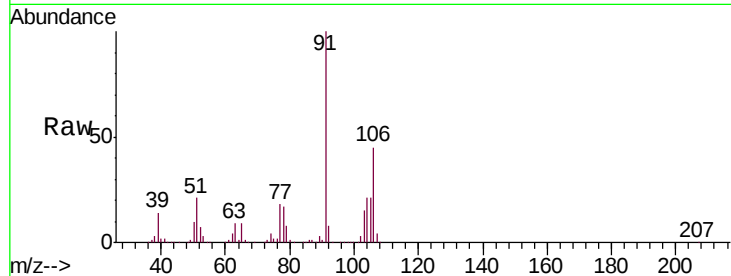




#55
o-xylene
Concen: 25.588 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

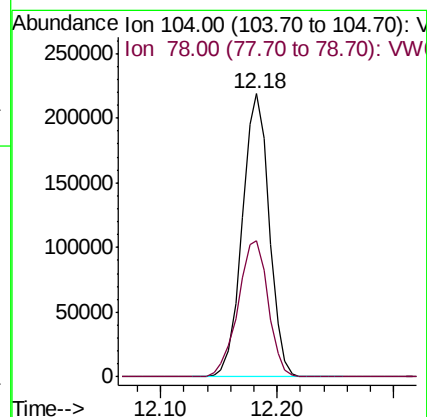
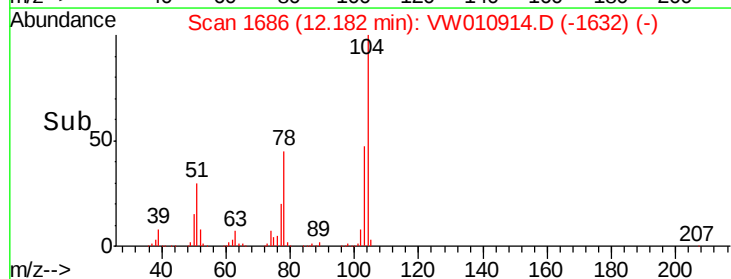
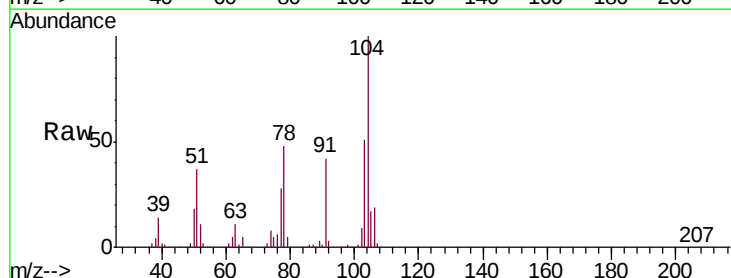
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

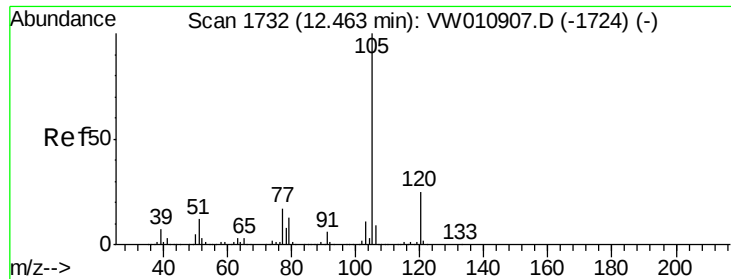
Tgt Ion:106 Resp: 200164
Ion Ratio Lower Upper
106 100
91 221.2 157.1 291.7



#56
Styrene
Concen: 26.312 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010914.D
Acq: 22 Jun 2019 01:48

Tgt Ion:104 Resp: 353456
Ion Ratio Lower Upper
104 100
78 47.9 34.8 64.6





#57

Isopropylbenzene

Concen: 25.526 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

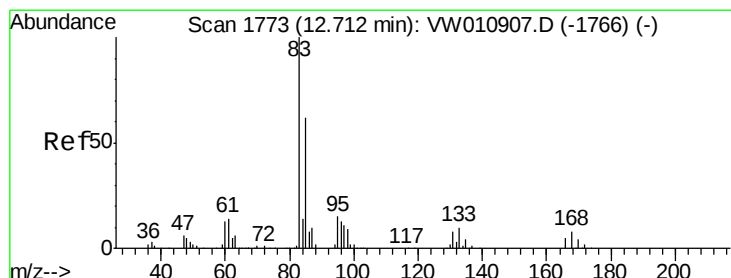
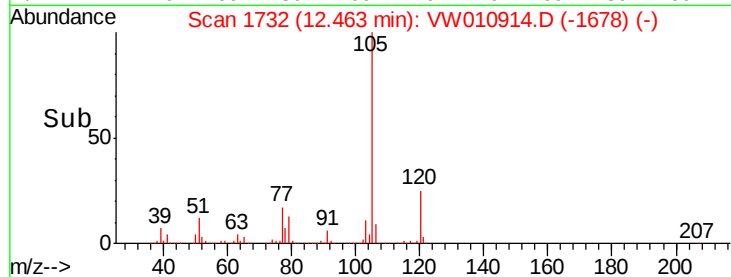
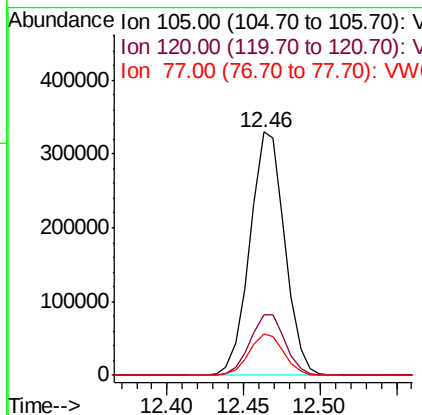
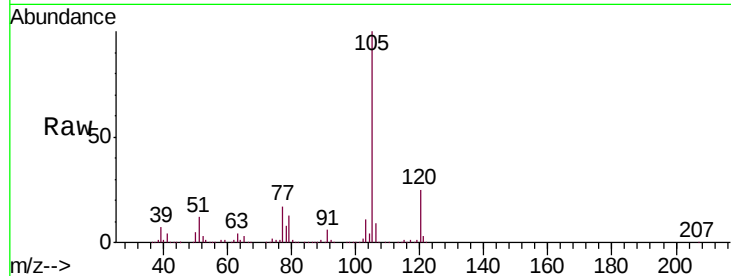
Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion:	105	Resp:	522437
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.3	30.5
77	17.0	13.6	20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 27.653 ug/L

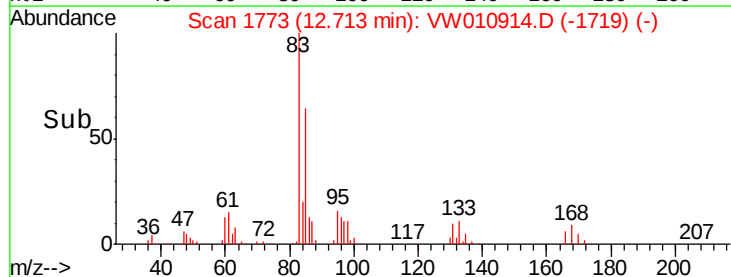
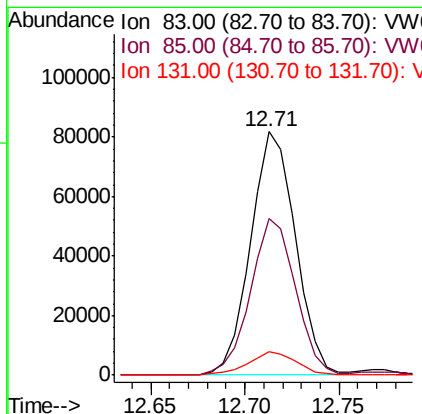
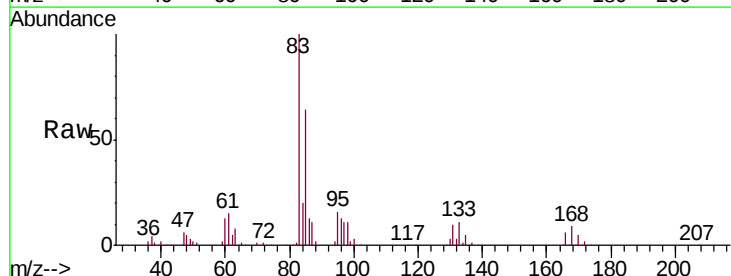
RT: 12.71 min Scan# 1773

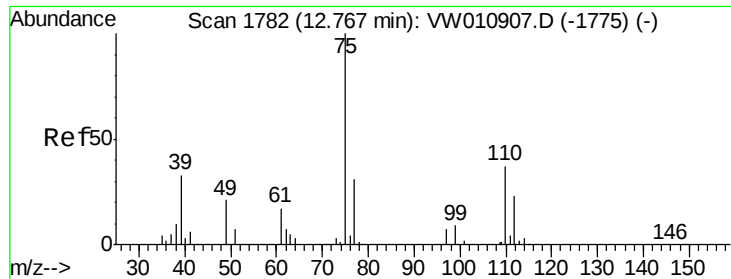
Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Tgt Ion:	83	Resp:	134956
Ion	Ratio	Lower	Upper
83	100		
85	64.4	43.8	81.3
131	9.8	6.9	10.3





#59

1,2,3-Trichloropropane

Concen: 27.850 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

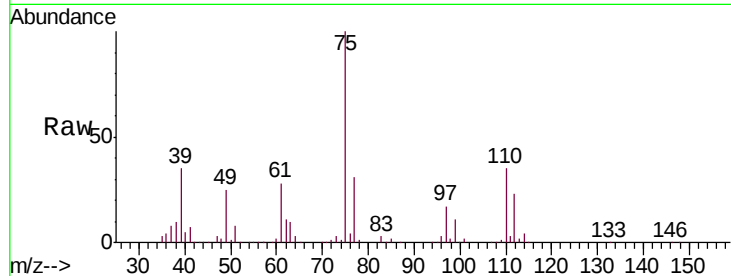
VSTD02525

Tgt Ion: 75 Resp: 107956

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

60000

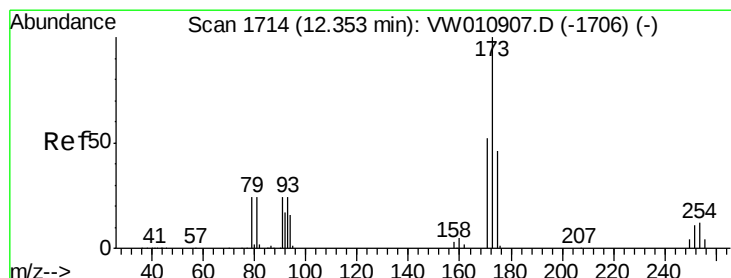
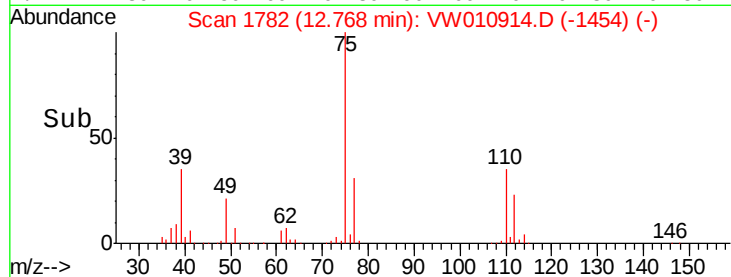
40000

20000

0

12.70 12.75 12.80 12.85

Time-->



#62

Bromoform

Concen: 27.054 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

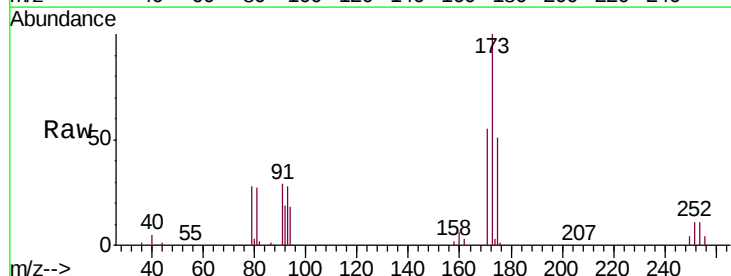
Tgt Ion: 173 Resp: 61900

Ion Ratio Lower Upper

173 100

175 48.3 38.2 57.2

254 10.7 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

40000

30000

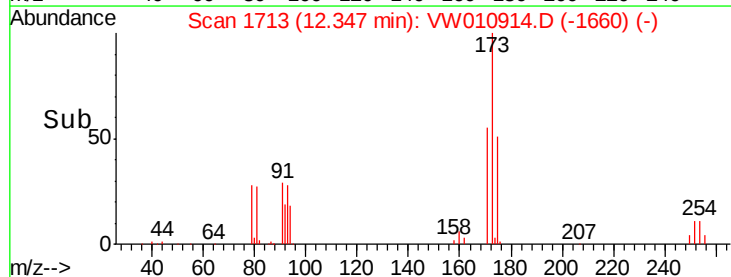
20000

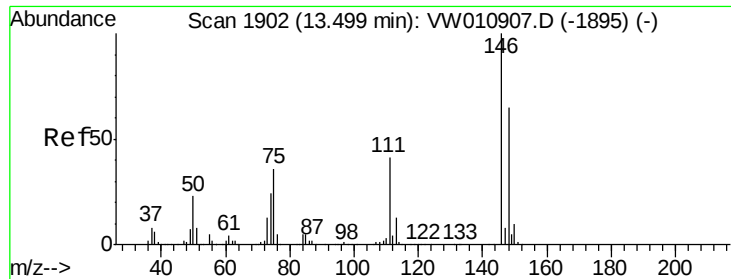
10000

0

12.30 12.35 12.40

Time-->

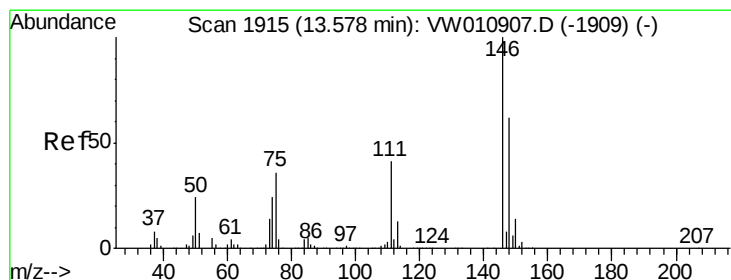
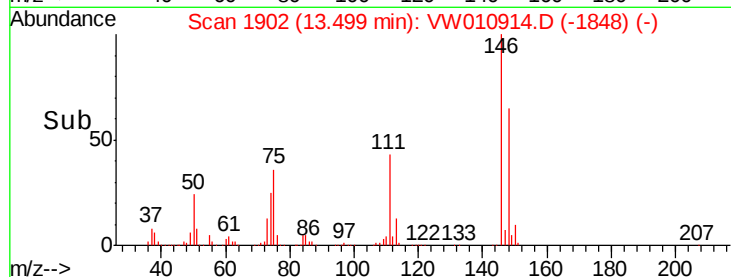
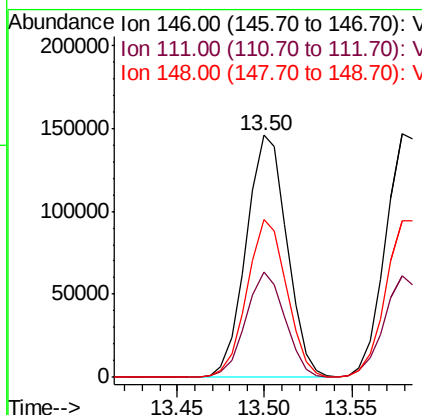
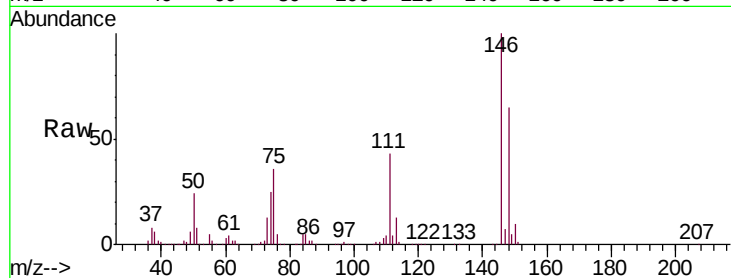




#63
 1,3-Dichlorobenzene
 Concen: 25.156 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

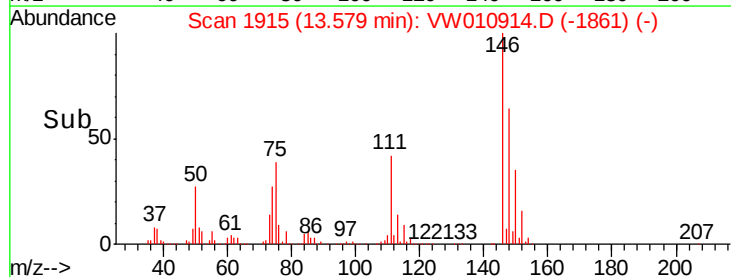
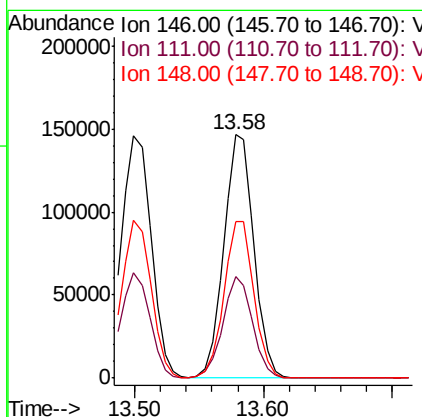
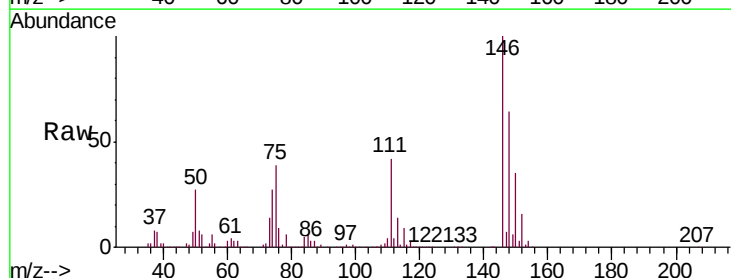
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

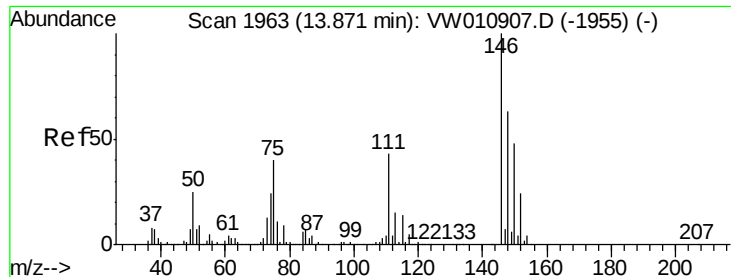
Tgt Ion:146 Resp: 235760
 Ion Ratio Lower Upper
 146 100
 111 43.5 28.8 53.6
 148 65.5 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 24.982 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion:146 Resp: 238992
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.7 53.3
 148 64.2 43.8 81.3

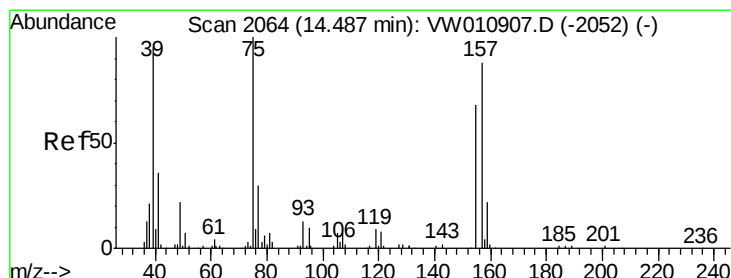
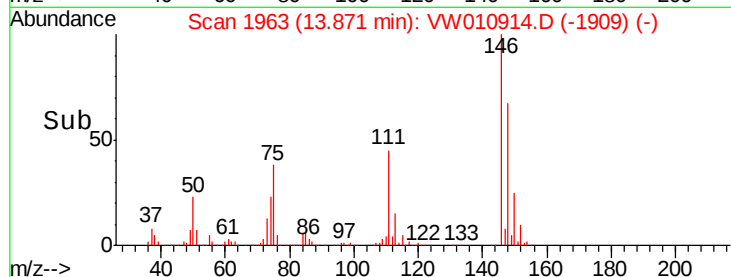
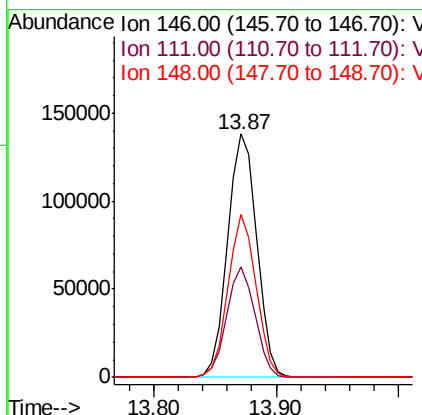
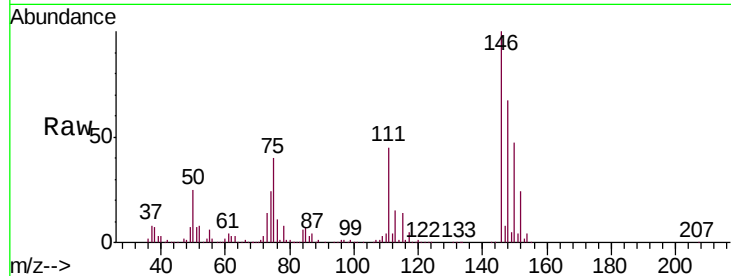




#65
 1,2-Dichlorobenzene
 Concen: 25.647 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

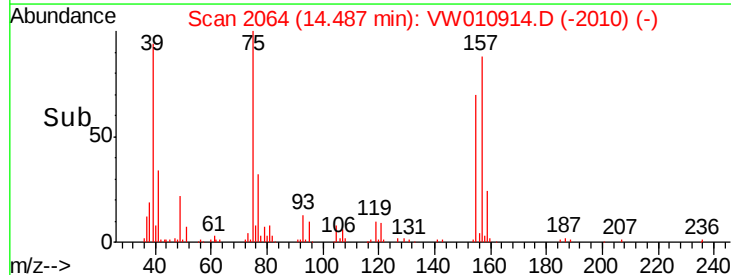
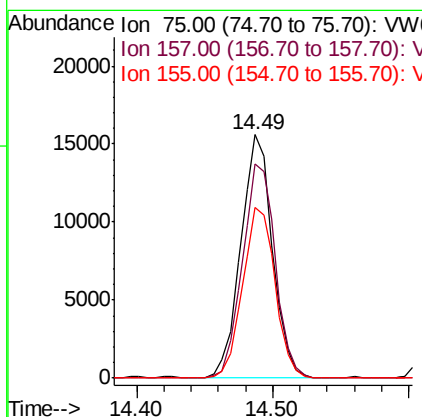
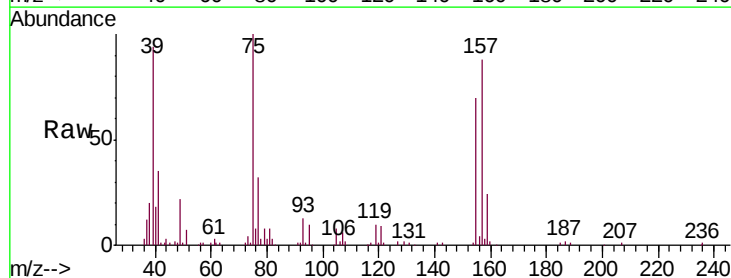
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

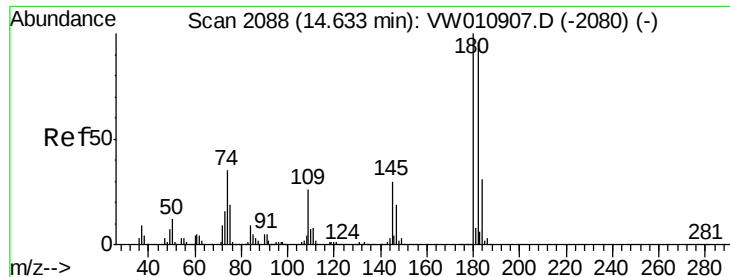
Tgt Ion:146 Resp: 227134
 Ion Ratio Lower Upper
 146 100
 111 45.2 34.6 51.8
 148 66.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.933 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion: 75 Resp: 25353
 Ion Ratio Lower Upper
 75 100
 157 87.9 70.1 105.1
 155 70.2 54.5 81.7

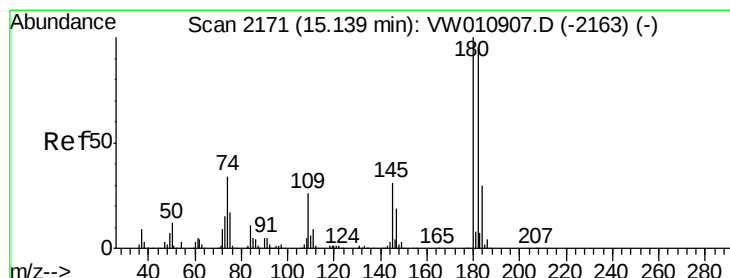
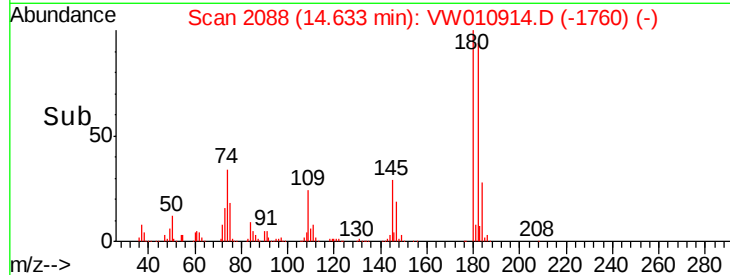
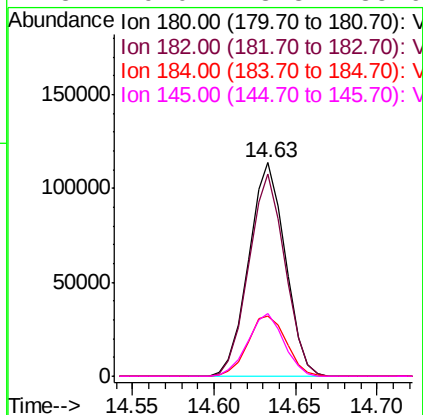
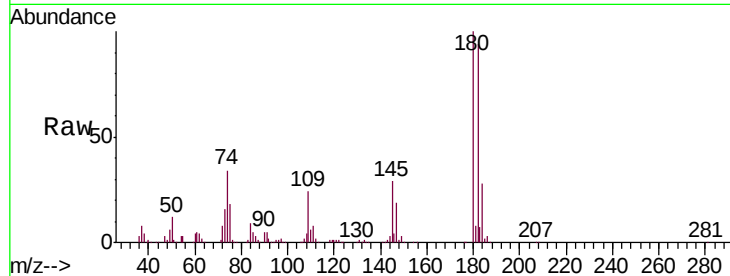




#67
 1,3,5-Trichlorobenzene
 Concen: 25.059 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

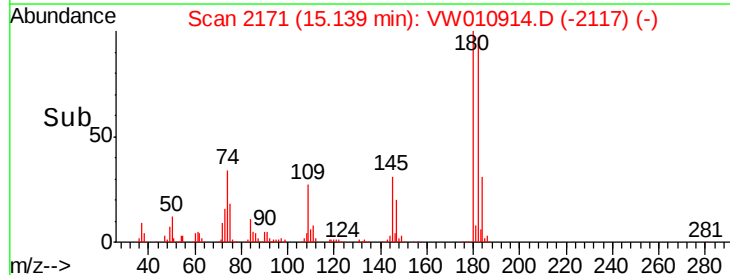
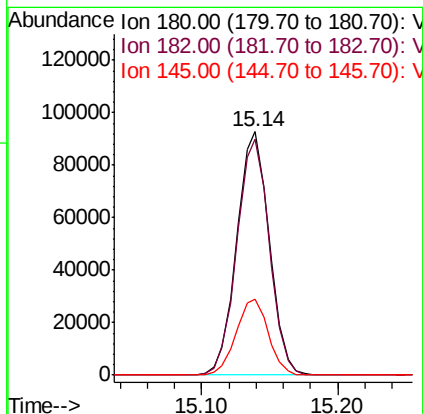
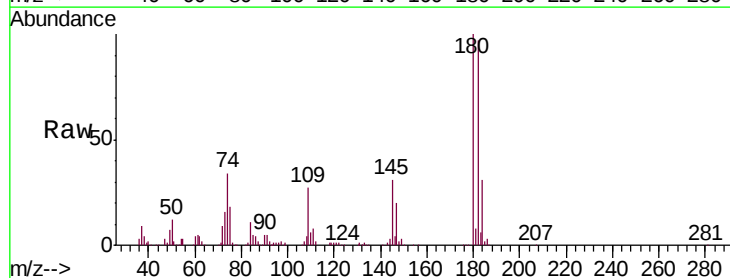
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

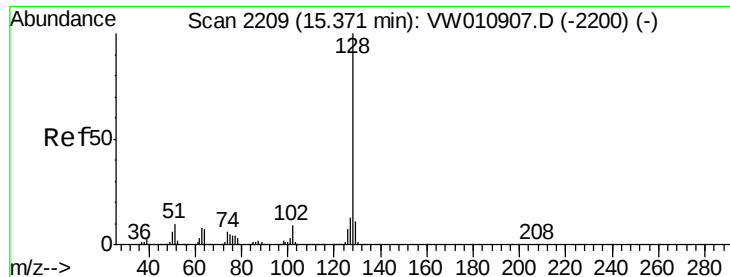
Tgt Ion:180 Resp: 177791
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.8 113.8
 184 29.6 24.2 36.2
 145 29.0 23.8 35.6



#68
 1,2,4-trichlorobenzene
 Concen: 25.068 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010914.D
 Acq: 22 Jun 2019 01:48

Tgt Ion:180 Resp: 154620
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 114.8
 145 31.0 24.4 36.6





#69

Naphthalene

Concen: 27.924 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

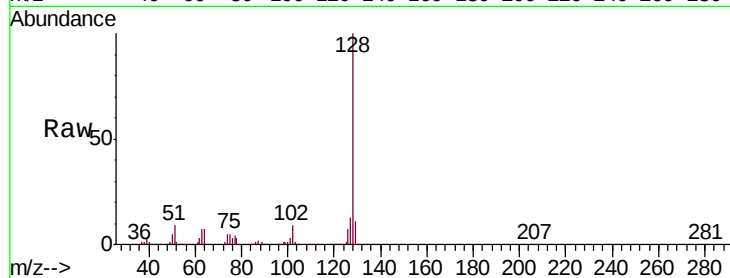
Tgt Ion:128 Resp: 386841

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

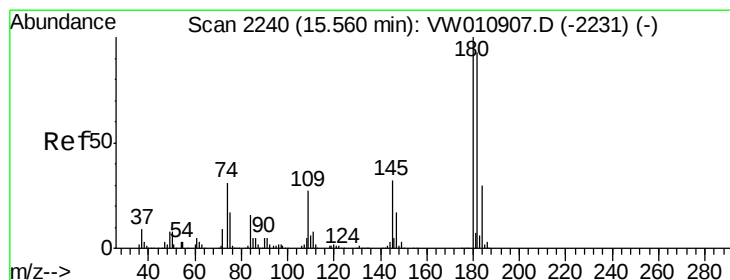
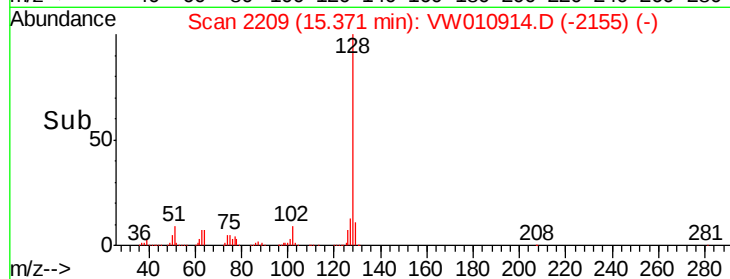
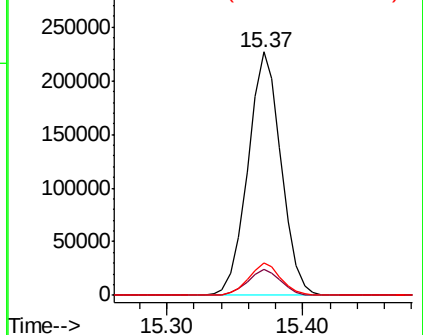
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.122 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010914.D

Acq: 22 Jun 2019 01:48

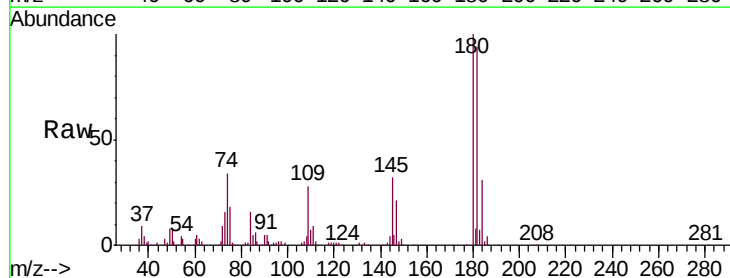
Tgt Ion:180 Resp: 149757

Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

145 32.2 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

