

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002371.D
 Acq On : 10 May 2018 10:47
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: May 10 14:11:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	254414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	336002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180674	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123463	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	7.88	113	123339	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.33	98	482008	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.63	95	169631	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47386	49.28	ug/l	92
3) Chloromethane	2.21	50	90002	46.09	ug/l	99
4) Vinyl Chloride	2.36	62	152150	47.25	ug/l	98
5) Bromomethane	2.77	94	112877	43.58	ug/l	98
6) Chloroethane	2.92	64	96084	44.22	ug/l	98
7) Trichlorofluoromethane	3.25	101	77962	59.28	ug/l	96
8) Diethyl Ether	3.67	74	59760	40.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	120802	52.02	ug/l	99
10) Methyl Iodide	4.26	142	189057	50.16	ug/l	99
11) Tert butyl alcohol	5.17	59	35308	179.80	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	116590	50.63	ug/l	97
13) Acrolein	3.88	56	29744	180.91	ug/l	99
14) Allyl chloride	4.65	41	175774	51.94	ug/l	98
15) Acrylonitrile	5.36	53	118850	205.82	ug/l	100
16) Acetone	4.12	43	154713	293.22	ug/l	97
17) Carbon Disulfide	4.37	76	330633	49.38	ug/l	99
18) Methyl Acetate	4.67	43	63202	39.92	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	181044	44.97	ug/l	98
20) Methylene Chloride	4.90	84	114907	45.17	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	124082	49.92	ug/l	97
22) Diisopropyl ether	6.31	45	347590	46.86	ug/l	98
23) Vinyl Acetate	6.25	43	1018429	229.26	ug/l	98
24) 1,1-Dichloroethane	6.20	63	221434	49.23	ug/l	100
25) 2-Butanone	7.17	43	173689	221.69	ug/l	99
26) 2,2-Dichloropropane	7.16	77	134101	59.82	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	136911	48.86	ug/l	99
28) Bromochloromethane	7.51	49	87573	43.05	ug/l	99
29) Tetrahydrofuran	7.53	42	100955	196.47	ug/l	99
30) Chloroform	7.67	83	225525	47.89	ug/l	98
31) Cyclohexane	7.95	56	200703	49.99	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	180515	51.01	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184874	54.75	ug/l	99
37) Ethyl Acetate	7.25	43	67999	41.33	ug/l	99
38) Carbon Tetrachloride	8.06	117	179118	54.86	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	221970	56.33	ug/l	98
40) Benzene	8.32	78	508278	51.50	ug/l	100
41) Methacrylonitrile	7.48	41	36818	39.05	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	144799	47.04	ug/l	100
43) Isopropyl Acetate	8.43	43	135572	43.43	ug/l	99
44) Trichloroethene	9.09	130	141323	52.52	ug/l	99
45) 1,2-Dichloropropane	9.37	63	126427	51.12	ug/l	98
46) Dibromomethane	9.46	93	65518	47.40	ug/l	99
47) Bromodichloromethane	9.65	83	163021	49.97	ug/l	100
48) Methyl methacrylate	9.44	41	67220	44.34	ug/l	99
49) 1,4-Dioxane	9.45	88	20195	919.68	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	361879	210.14	ug/l	100
52) Toluene	10.39	92	326954	52.16	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	163844	51.08	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	189753	51.75	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	90869	46.69	ug/l	98
56) Ethyl methacrylate	10.65	69	110608	45.97	ug/l	99
57) 1,3-Dichloropropane	10.94	76	155058	46.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	263490	225.63	ug/l	99
59) 2-Hexanone	10.98	43	272497	231.33	ug/l	100
60) Dibromochloromethane	11.13	129	111395	48.49	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88918	46.74	ug/l	100
64) Tetrachloroethene	10.87	164	123609	47.80	ug/l	98
65) Chlorobenzene	11.66	112	364786	53.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	127704	52.19	ug/l	98
67) Ethyl Benzene	11.74	91	652316	55.28	ug/l	98
68) m/p-Xylenes	11.85	106	505482	111.02	ug/l	99
69) o-Xylene	12.18	106	239995	55.42	ug/l	96
70) Styrene	12.19	104	388761	54.07	ug/l	99
71) Bromoform	12.36	173	66532	47.41	ug/l #	100
73) Isopropylbenzene	12.48	105	660474	56.28	ug/l	100
74) N-amyl acetate	12.28	43	134070	45.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	103876	45.79	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	64637m	40.34	ug/l	
77) Bromobenzene	12.76	156	155546	52.58	ug/l	97
78) n-propylbenzene	12.82	91	799149	57.44	ug/l	99
79) 2-Chlorotoluene	12.90	91	439878	54.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	551209	55.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31273	51.42	ug/l	96
82) 4-Chlorotoluene	13.00	91	466285	54.73	ug/l	100
83) tert-Butylbenzene	13.22	119	496346	58.40	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	570504	55.74	ug/l	99
85) sec-Butylbenzene	13.40	105	706332	58.21	ug/l	99
86) p-Isopropyltoluene	13.51	119	632717	58.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	313885	53.60	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	309536	52.95	ug/l	99
89) n-Butylbenzene	13.84	91	603697	59.46	ug/l	100
90) Hexachloroethane	14.10	117	107737	55.53	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	276252	51.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	16835	42.93	ug/l	95

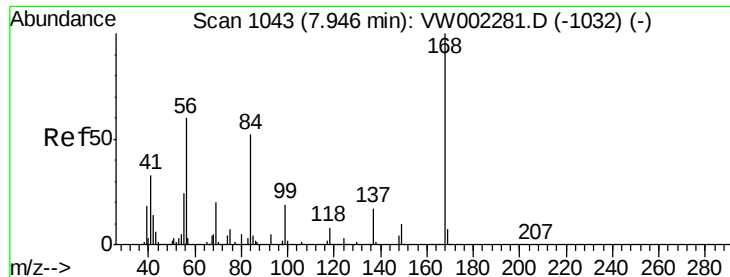
Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	200696	52.84	ug/l	99
94) Hexachlorobutadiene	15.26	225	119606	56.53	ug/l	99
95) Naphthalene	15.38	128	334191	47.86	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	170701	50.12	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

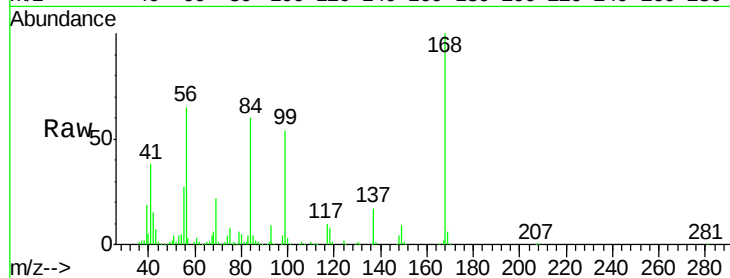
VSTDCCC050

Tot Ion:168 Resp: 254414

Ion Ratio Lower Upper

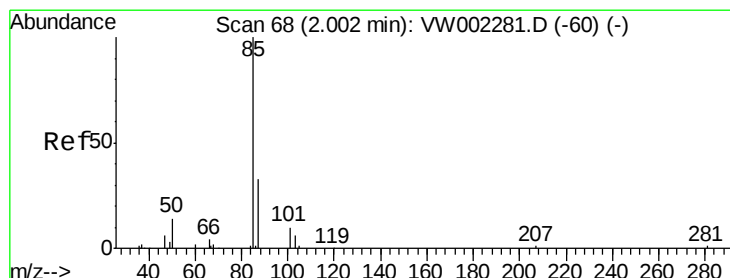
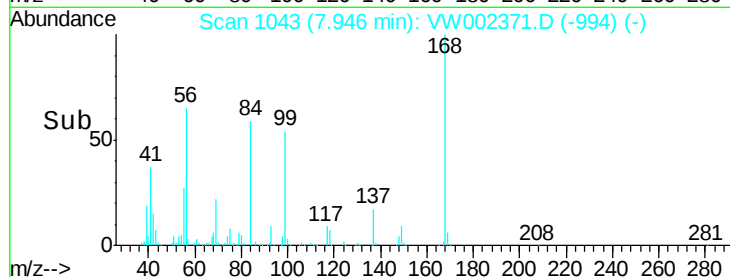
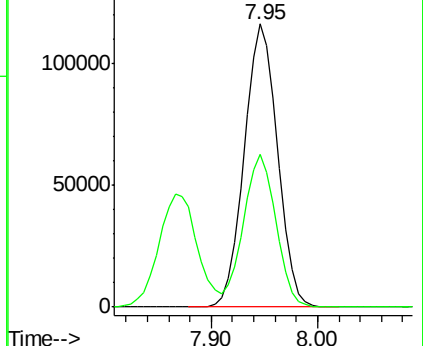
168 100

99 53.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 49.28 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002371.D

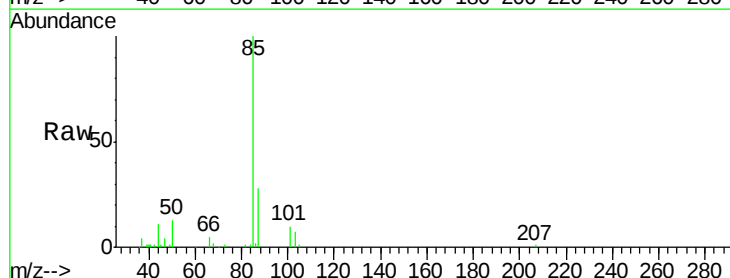
Acq: 10 May 2018 10:47

Tgt Ion: 85 Resp: 47386

Ion Ratio Lower Upper

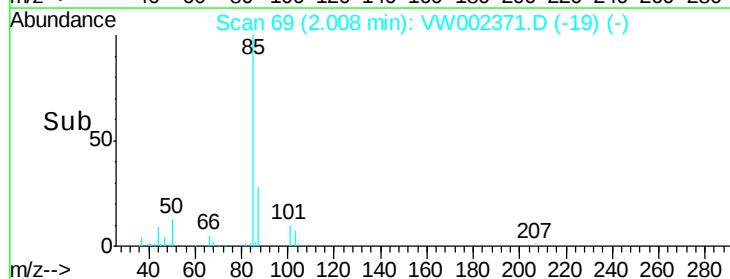
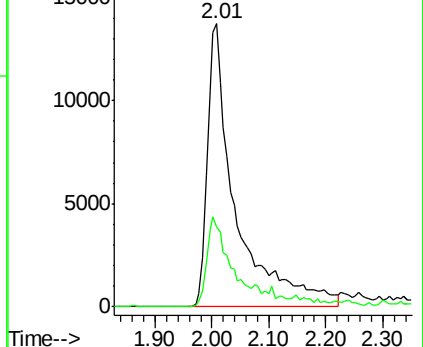
85 100

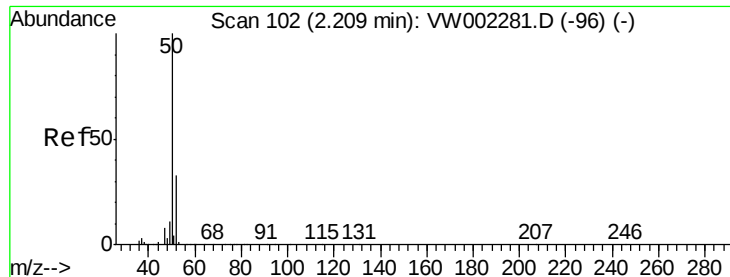
87 28.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.09 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

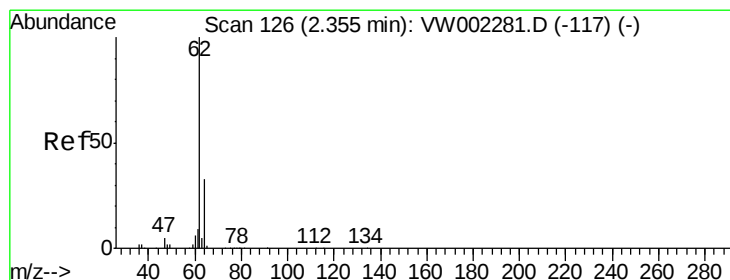
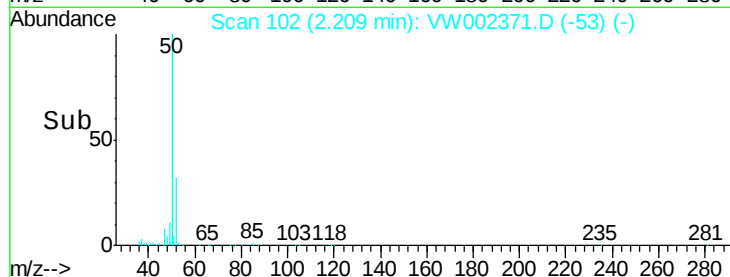
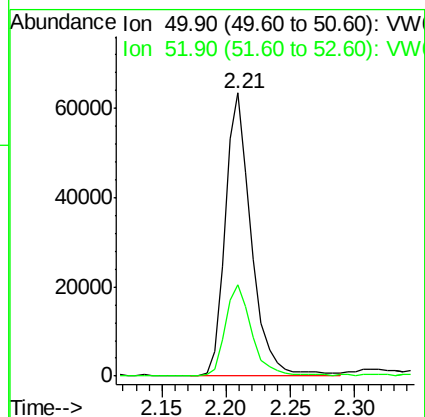
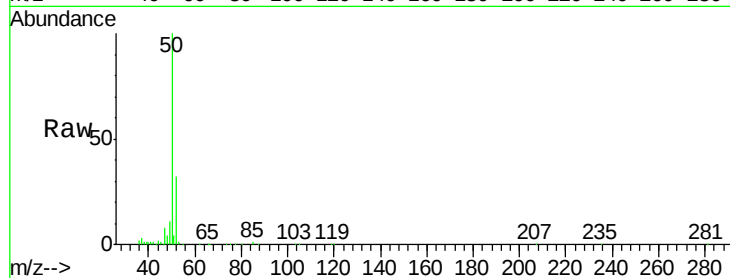
VSTDCCC050

Tot Ion: 50 Resp: 90002

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 47.25 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002371.D

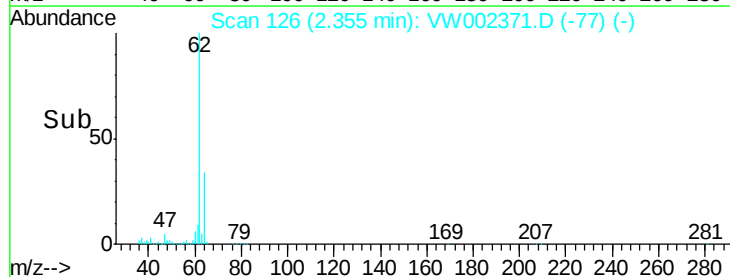
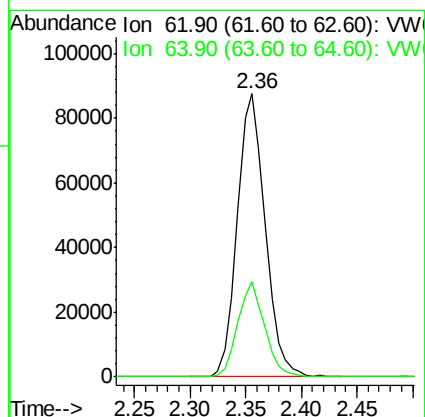
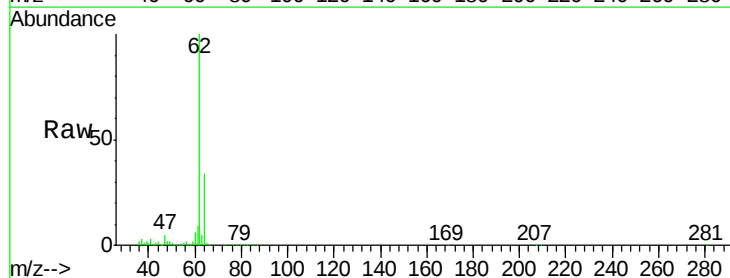
Acq: 10 May 2018 10:47

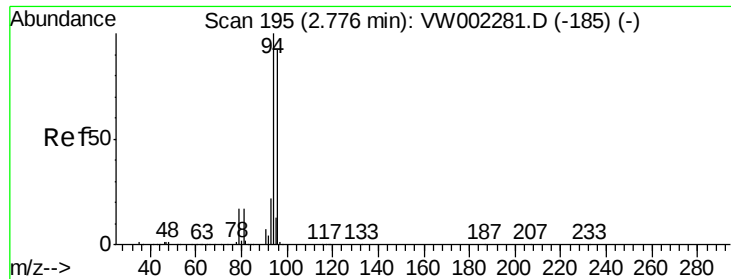
Tgt Ion: 62 Resp: 152150

Ion Ratio Lower Upper

62 100

64 33.6 26.1 39.1





#5

Bromomethane

Concen: 43.58 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

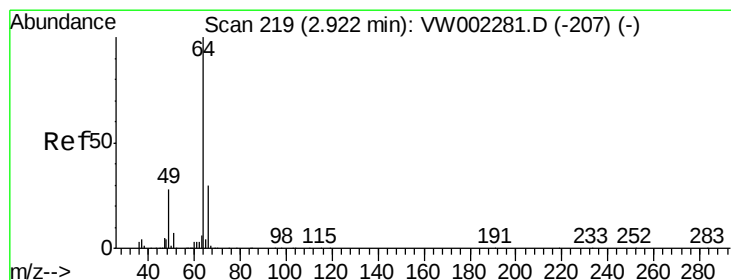
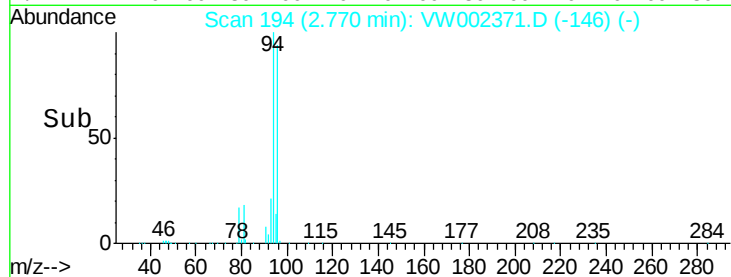
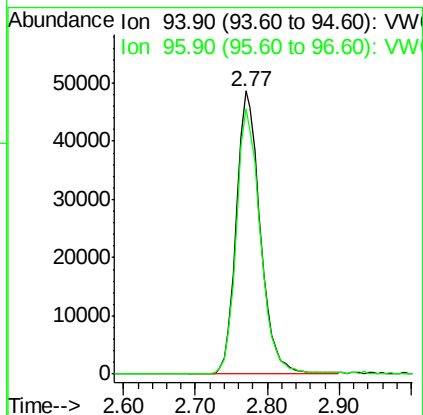
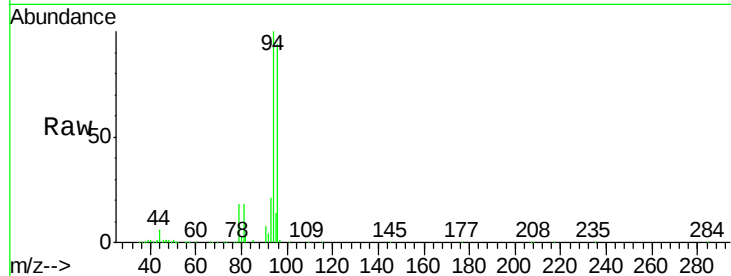
VSTDCCC050

Tot Ion: 94 Resp: 112877

Ion Ratio Lower Upper

94 100

96 93.8 73.6 110.4



#6

Chloroethane

Concen: 44.22 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW002371.D

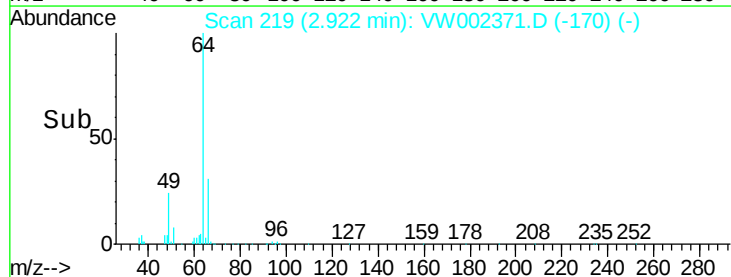
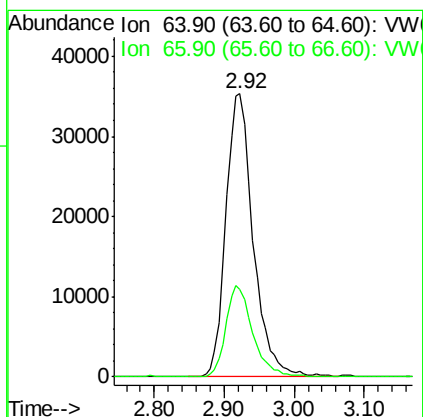
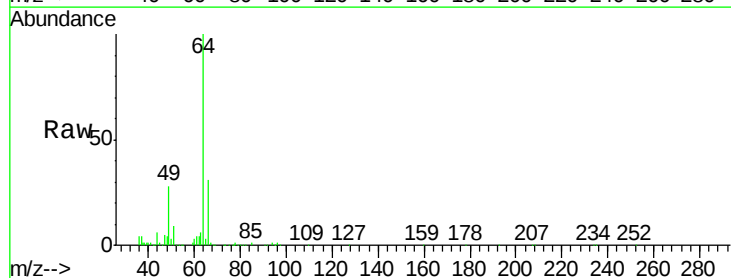
Acq: 10 May 2018 10:47

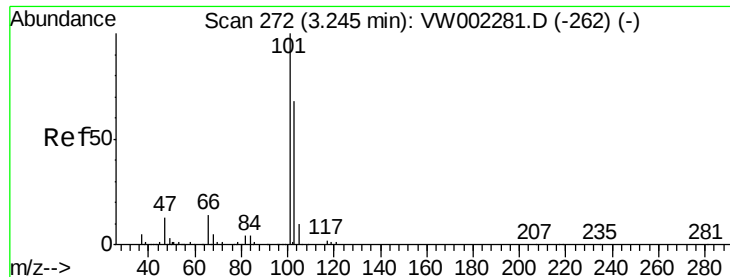
Tgt Ion: 64 Resp: 96084

Ion Ratio Lower Upper

64 100

66 31.0 23.8 35.6



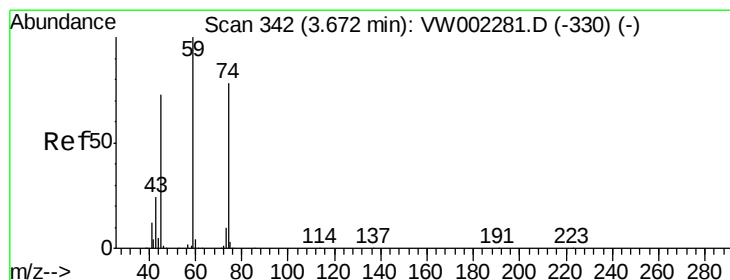
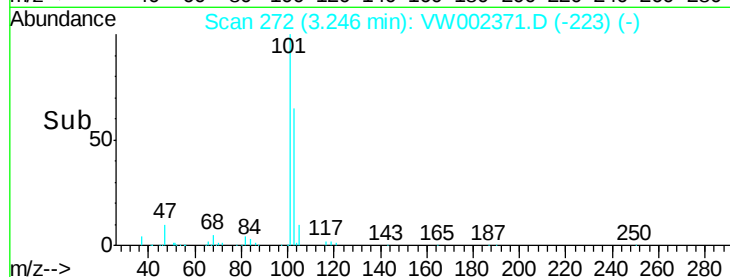
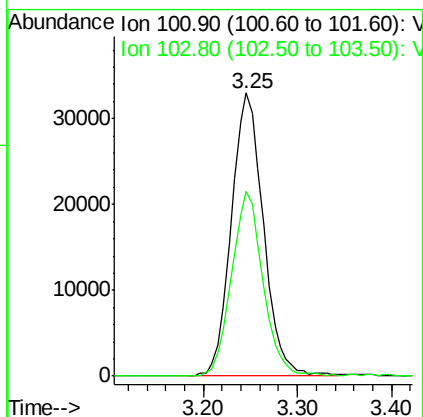
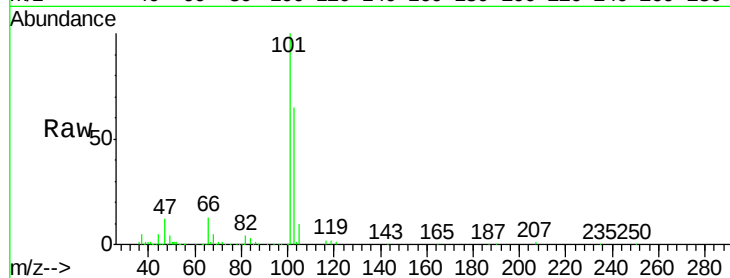


#7

Trichlorofluoromethane
 Concen: 59.28 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

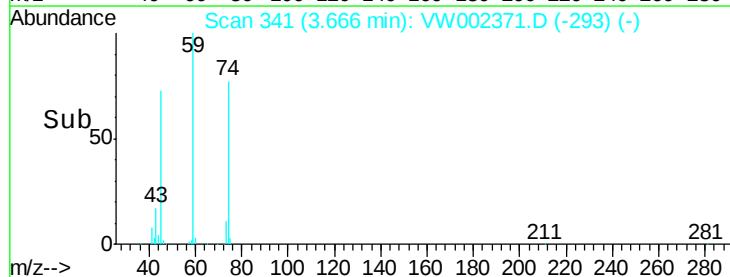
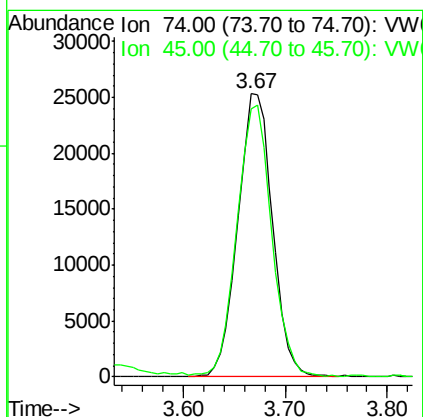
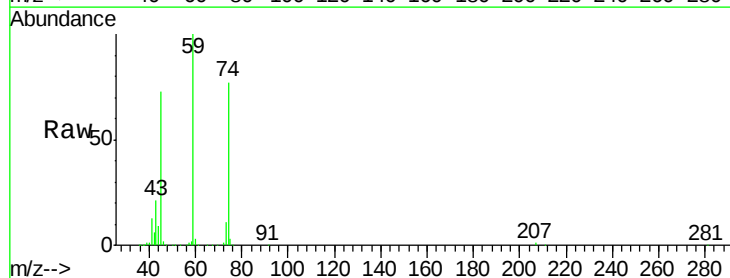
Tot Ion:101 Resp: 77962
 Ion Ratio Lower Upper
 101 100
 103 65.3 54.6 82.0

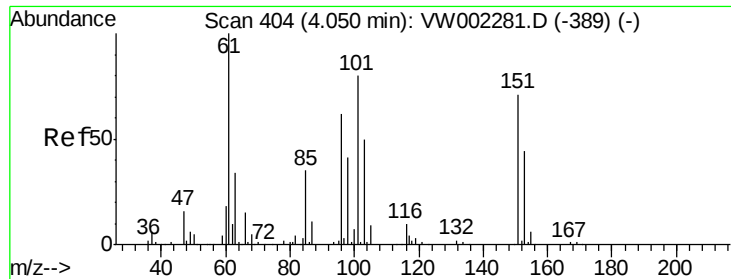


#8

Diethyl Ether
 Concen: 40.59 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 74 Resp: 59760
 Ion Ratio Lower Upper
 74 100
 45 95.6 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.02 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

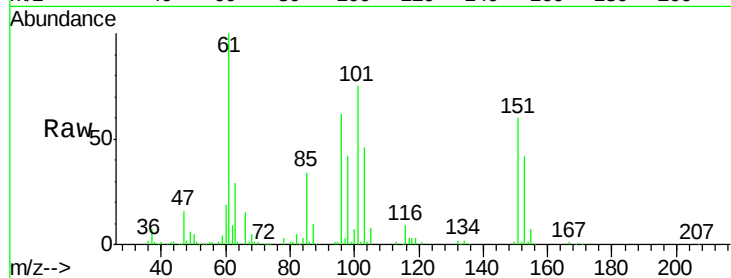
Tot Ion:101 Resp: 120802

Ion Ratio Lower Upper

101 100

85 45.8 35.9 53.9

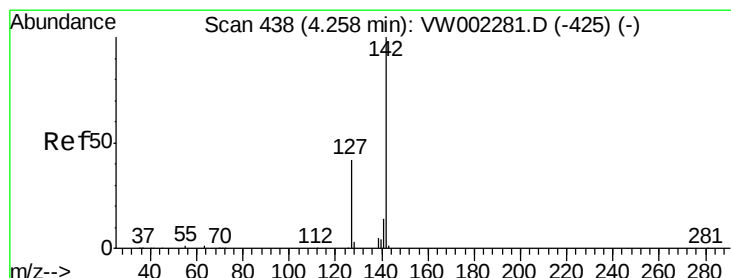
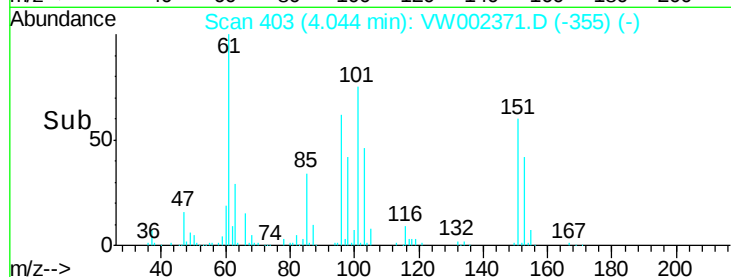
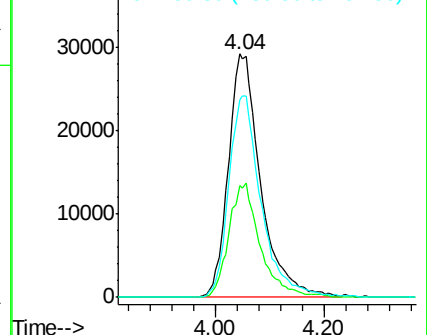
151 83.2 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.16 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

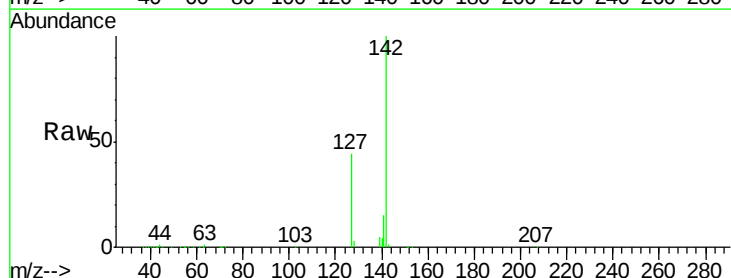
Tgt Ion:142 Resp: 189057

Ion Ratio Lower Upper

142 100

127 42.7 34.7 52.1

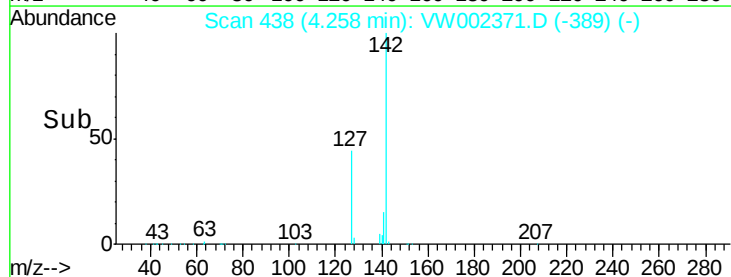
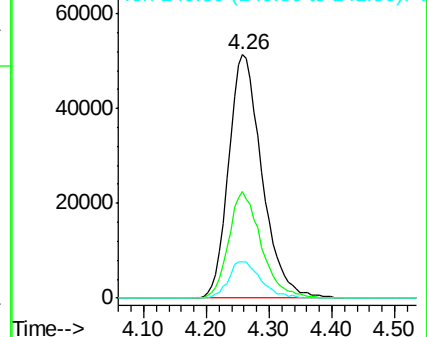
141 14.7 11.9 17.9

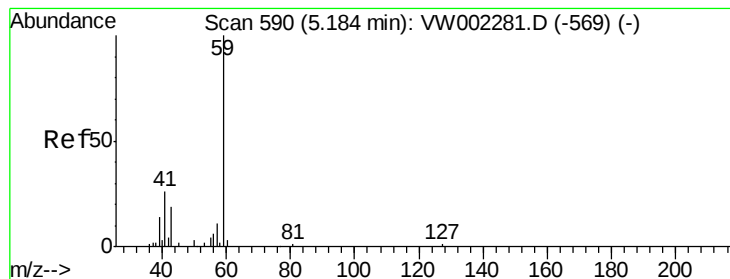


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



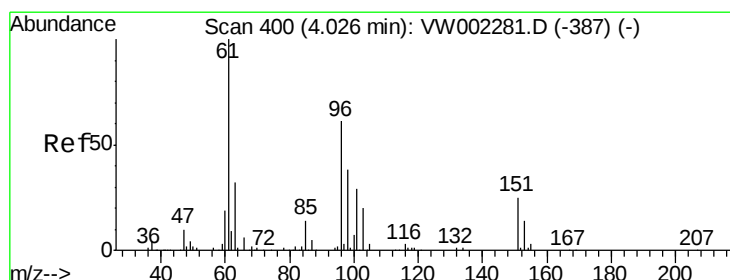
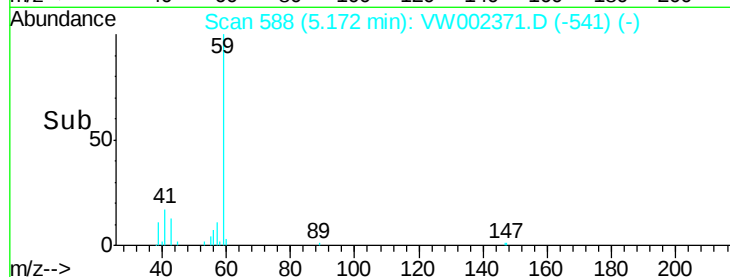
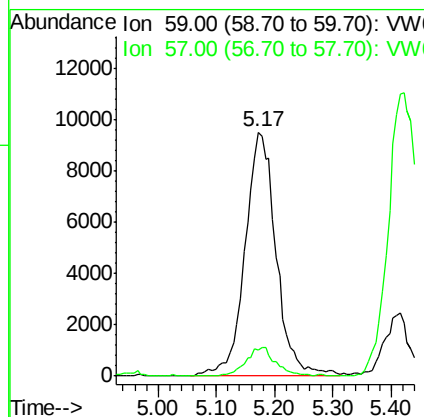
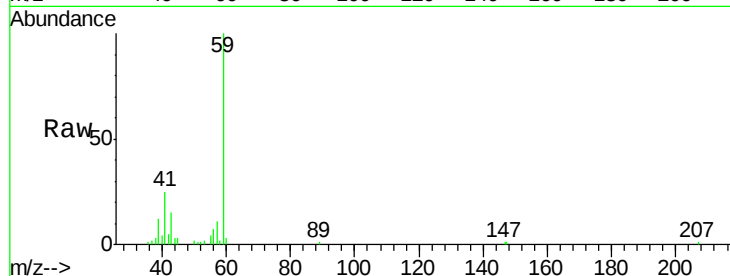


#11

Tert butyl alcohol
 Concen: 179.80 ug/l
 RT: 5.17 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

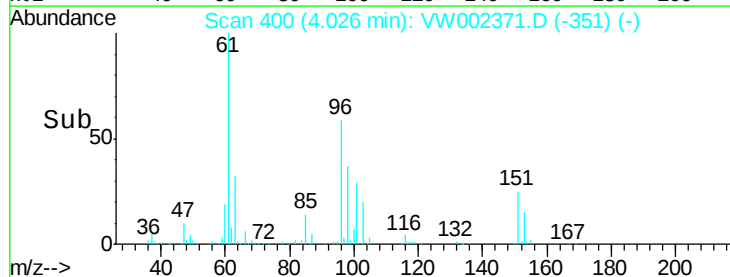
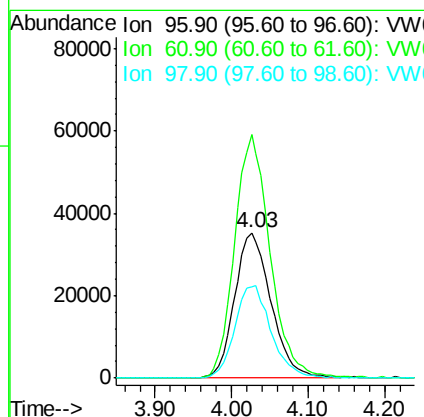
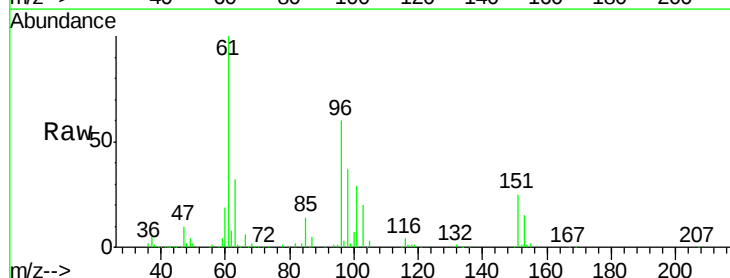
Tot Ion: 59 Resp: 35308
 Ion Ratio Lower Upper
 59 100
 57 11.1 3.9 5.9#

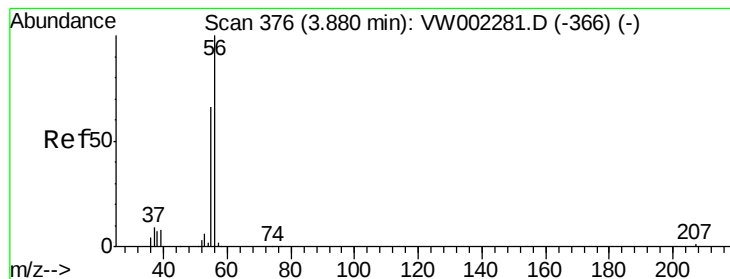


#12

1,1-Dichloroethene
 Concen: 50.63 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 96 Resp: 116590
 Ion Ratio Lower Upper
 96 100
 61 167.5 130.6 196.0
 98 62.6 49.0 73.4





#13

Acrolein

Concen: 180.91 ug/l

RT: 3.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

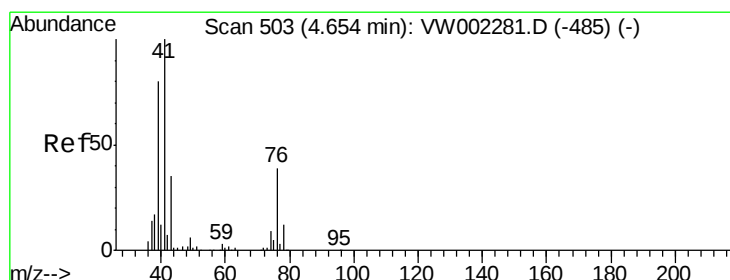
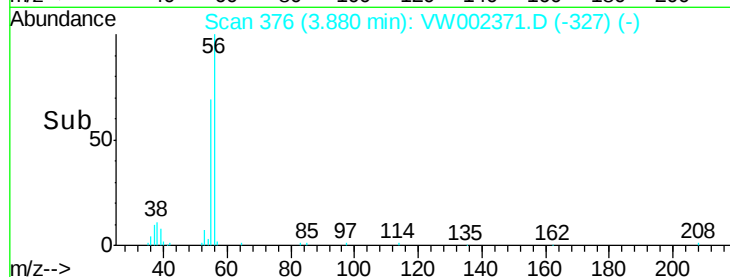
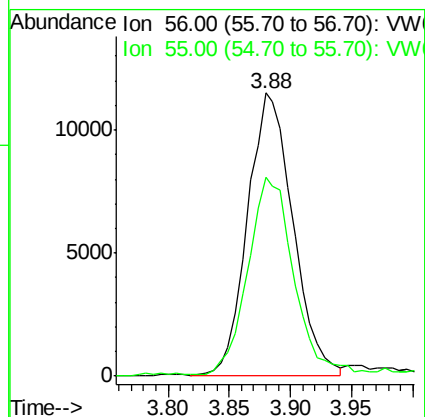
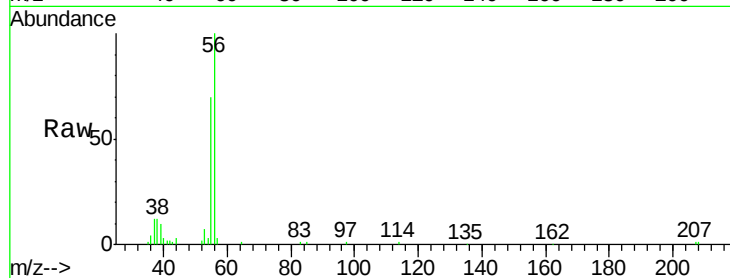
VSTDCCC050

Tot Ion: 56 Resp: 29744

Ion Ratio Lower Upper

56 100

55 70.4 57.3 85.9



#14

Allyl chloride

Concen: 51.94 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

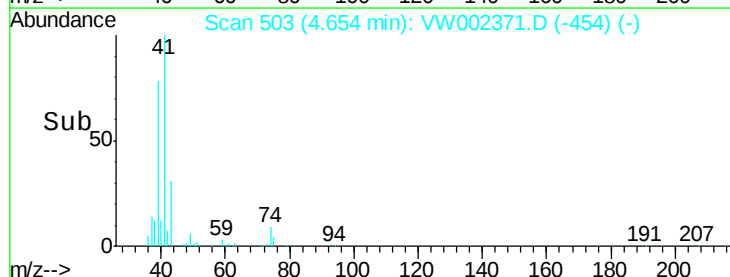
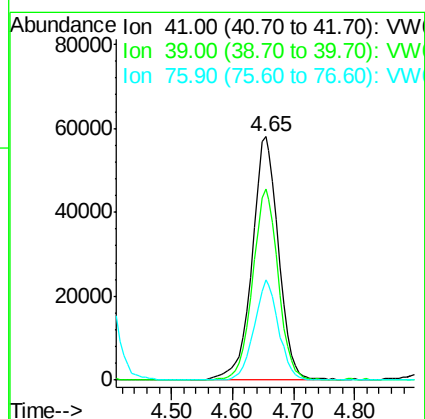
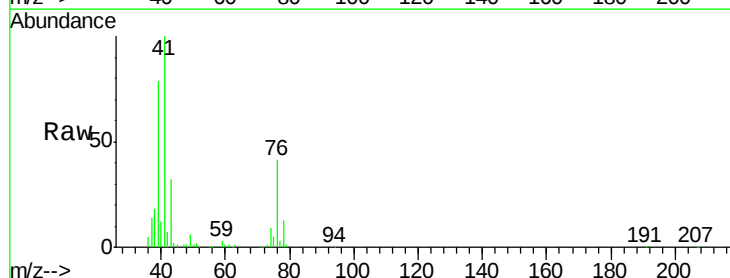
Tgt Ion: 41 Resp: 175774

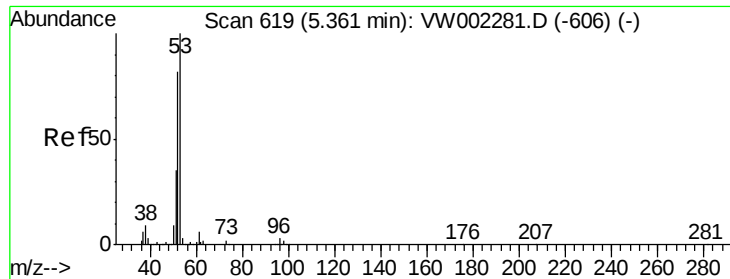
Ion Ratio Lower Upper

41 100

39 75.6 61.7 92.5

76 37.9 29.8 44.6



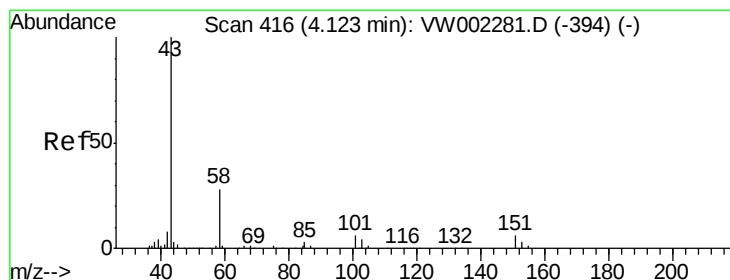
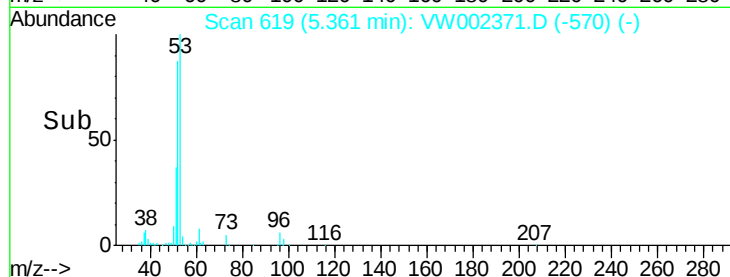
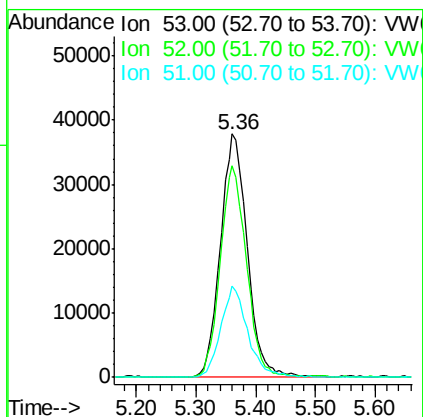
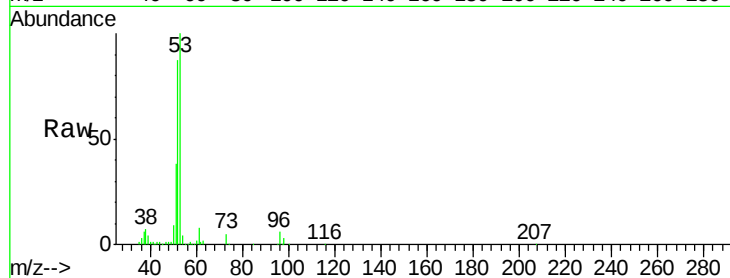


#15
 Acrylonitrile
 Concen: 205.82 ug/l
 RT: 5.36 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 118850

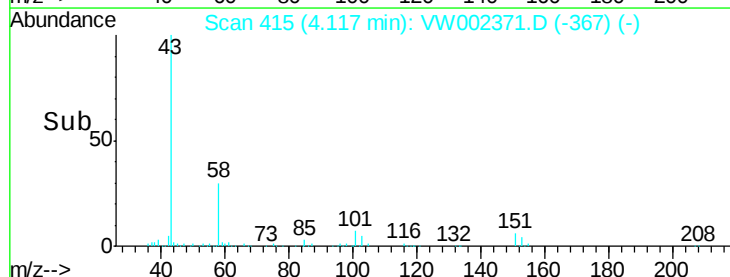
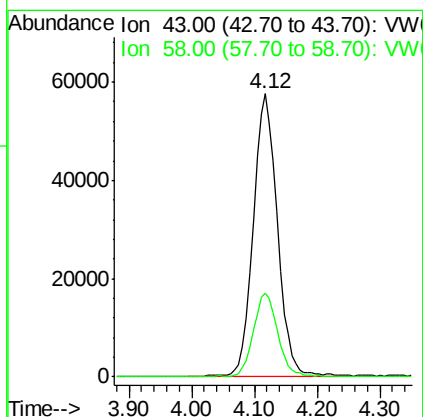
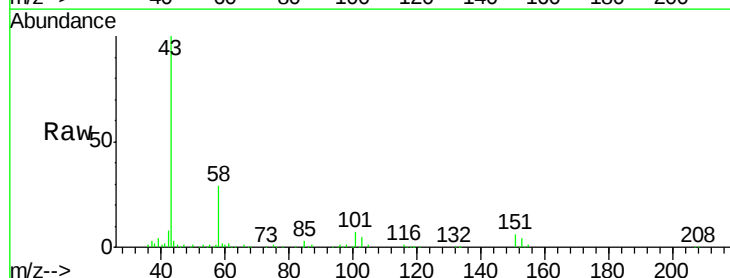
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.9	101.9
51	37.7	30.0	45.0

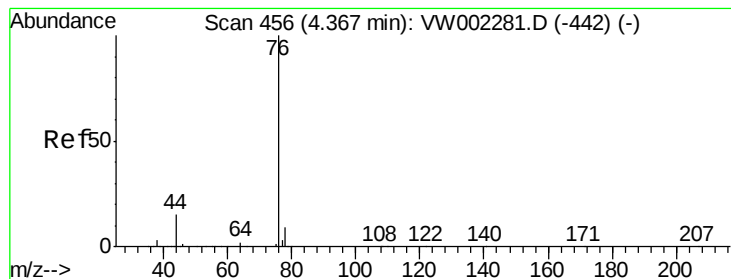


#16
 Acetone
 Concen: 293.22 ug/l
 RT: 4.12 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 43 Resp: 154713

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.2	33.4





#17

Carbon Disulfide

Concen: 49.38 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

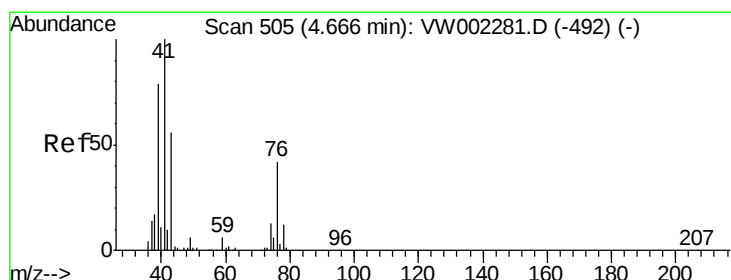
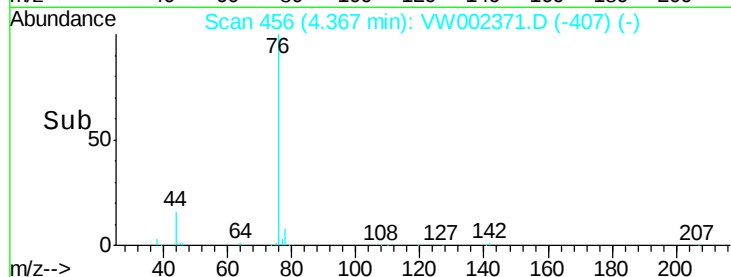
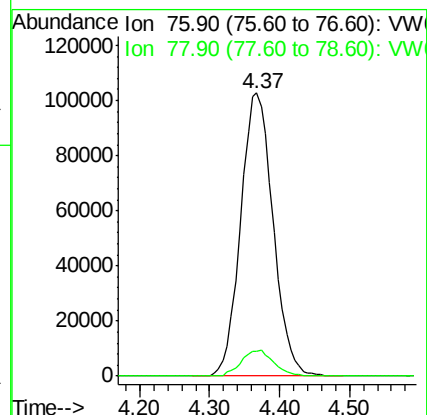
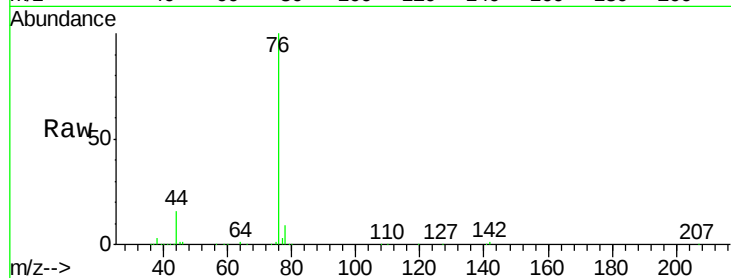
VSTDCCC050

Tot Ion: 76 Resp: 330633

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3



#18

Methyl Acetate

Concen: 39.92 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW002371.D

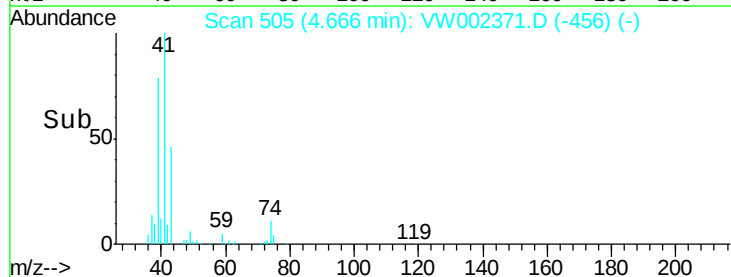
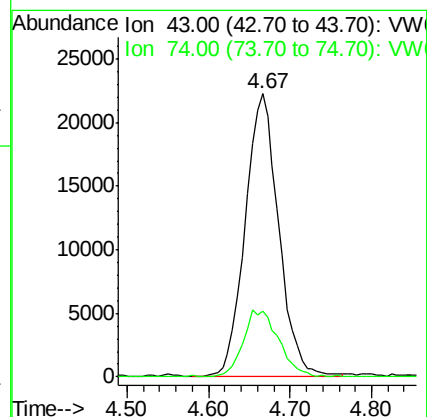
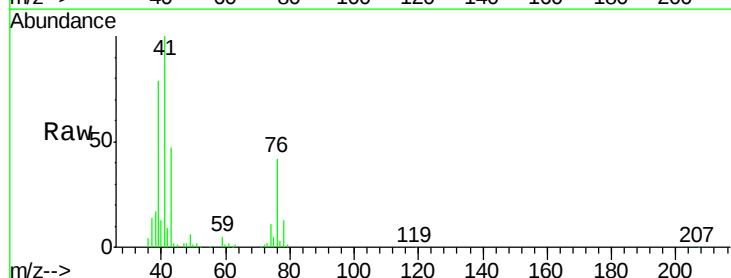
Acq: 10 May 2018 10:47

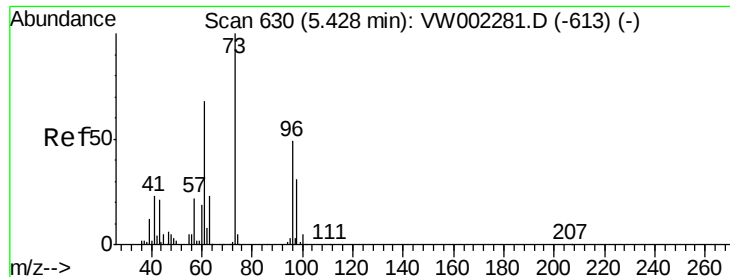
Tgt Ion: 43 Resp: 63202

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.2

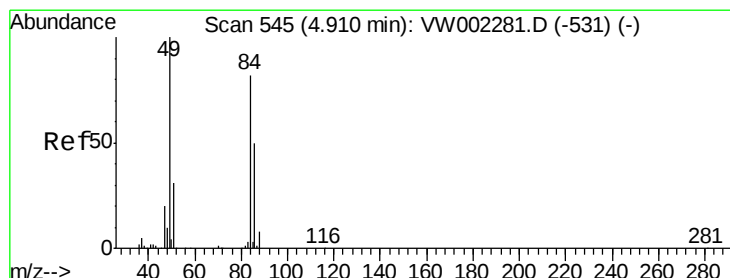
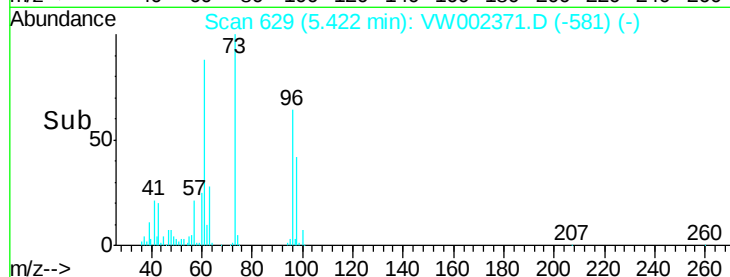
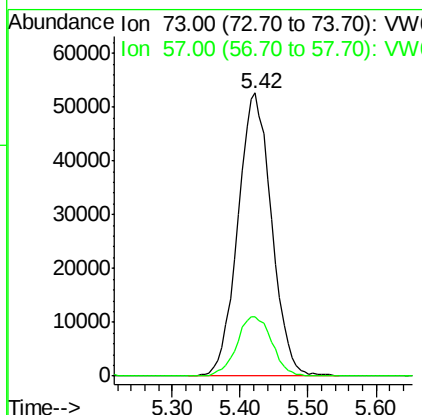
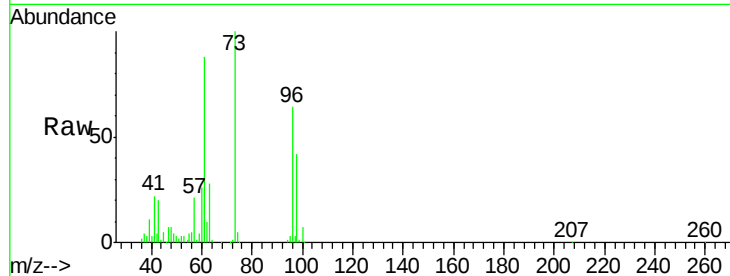




#19
Methvl tert-butvl Ether
Concen: 44.97 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

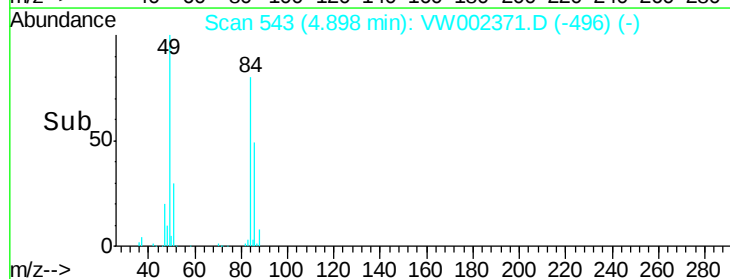
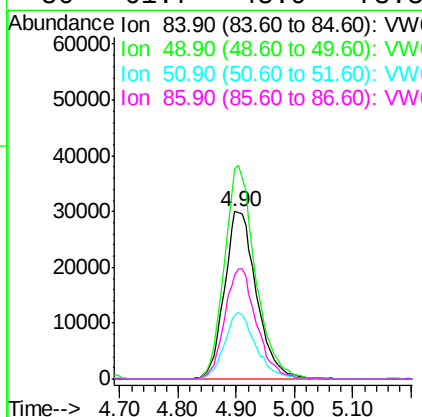
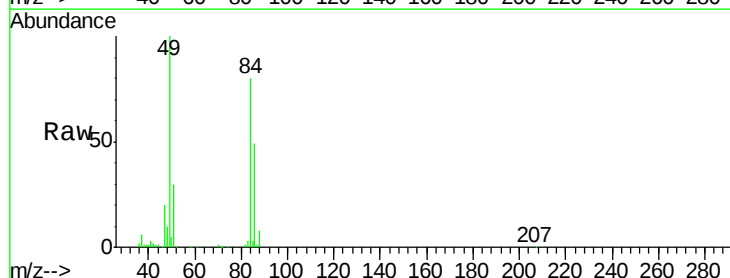
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

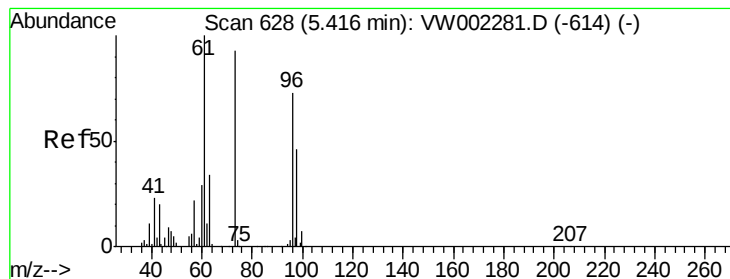
Tot Ion: 73 Resp: 181044
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5



#20
Methylene Chloride
Concen: 45.17 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion: 84 Resp: 114907
Ion Ratio Lower Upper
84 100
49 125.6 97.7 146.5
51 37.9 30.2 45.4
86 61.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 49.92 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

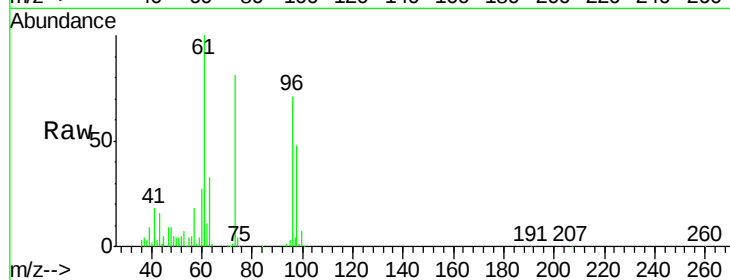
Tot Ion: 96 Resp: 124082

Ion Ratio Lower Upper

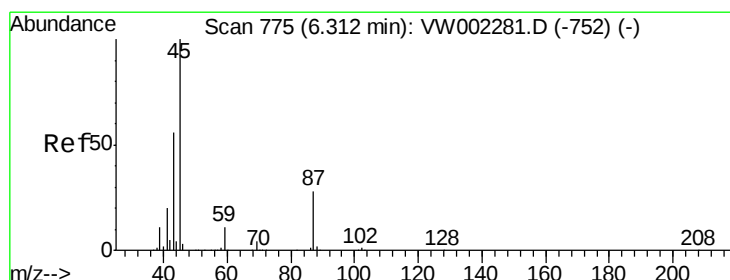
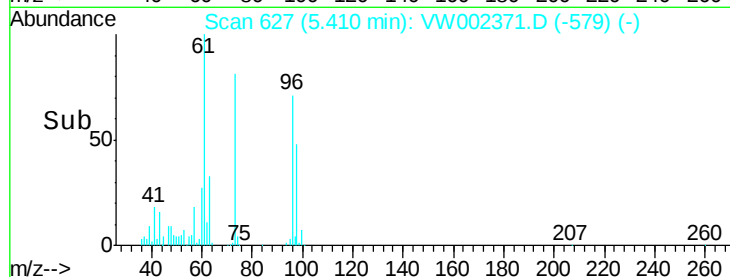
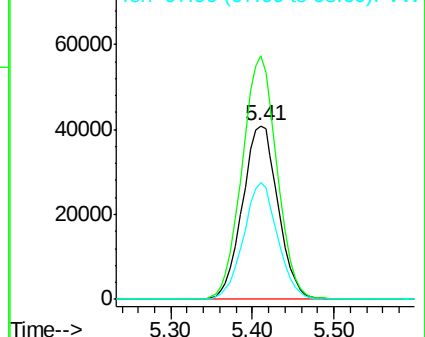
96 100

61 140.0 109.5 164.3

98 67.0 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 46.86 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Tgt Ion: 45 Resp: 347590

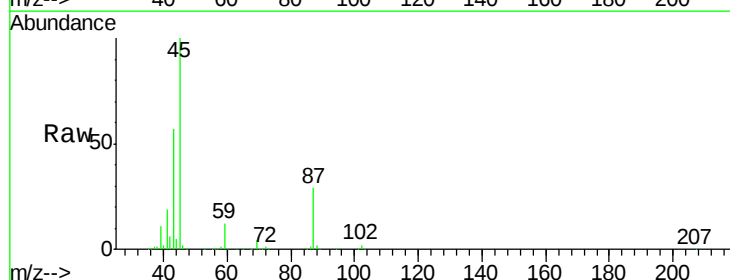
Ion Ratio Lower Upper

45 100

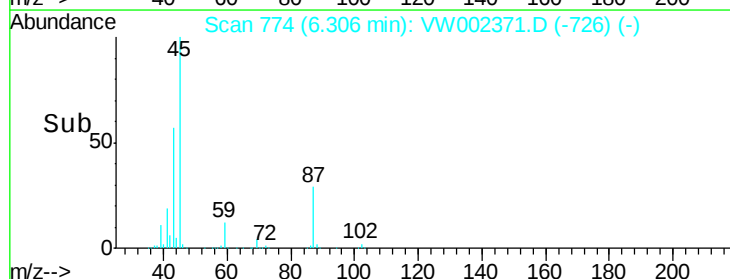
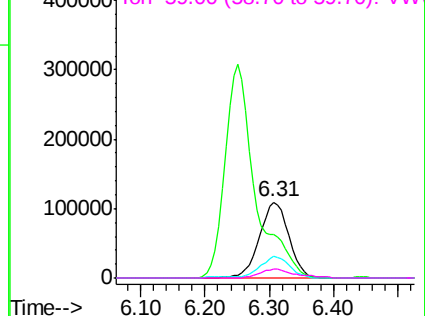
43 57.3 44.5 66.7

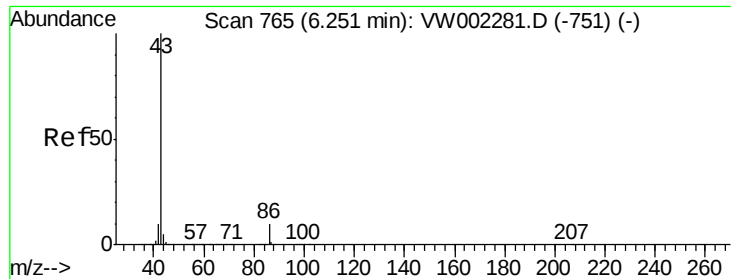
87 28.9 22.2 33.4

59 11.7 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

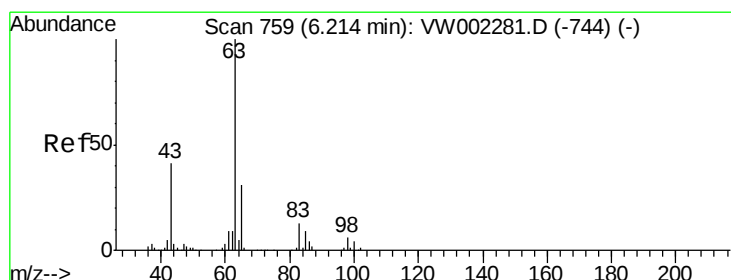
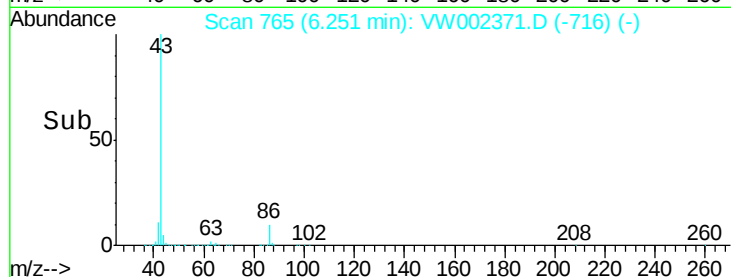
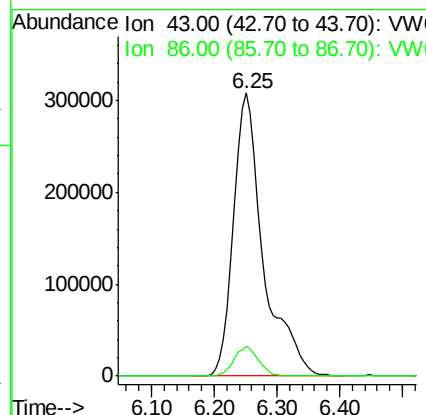
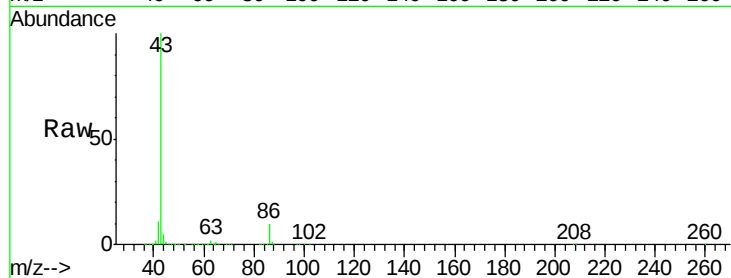




#23
 Vinyl Acetate
 Concen: 229.26 ug/l
 RT: 6.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

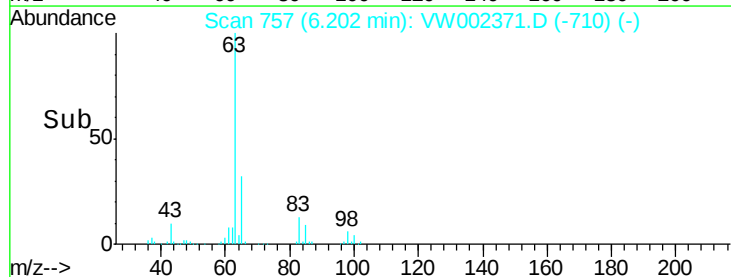
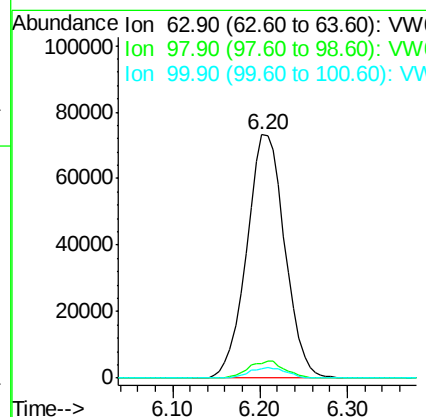
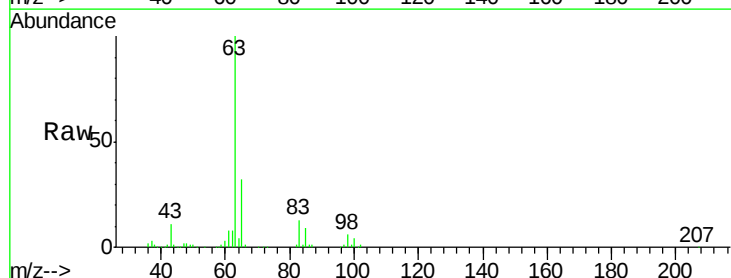
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

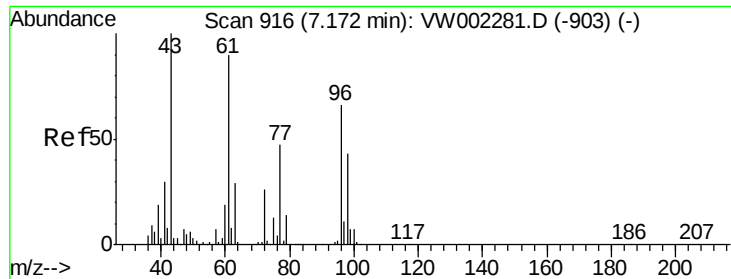
Tot Ion: 43 Resp: 1018429
 Ion Ratio Lower Upper
 43 100
 86 10.5 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 49.23 ug/l
 RT: 6.20 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 63 Resp: 221434
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 221.69 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

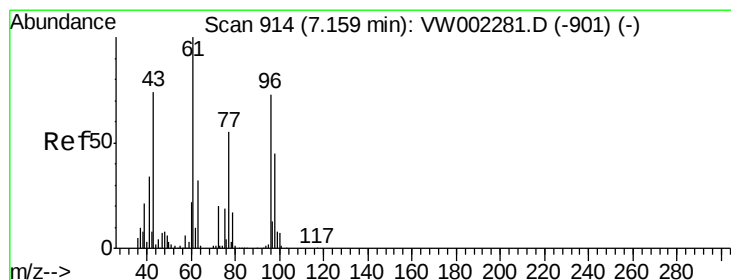
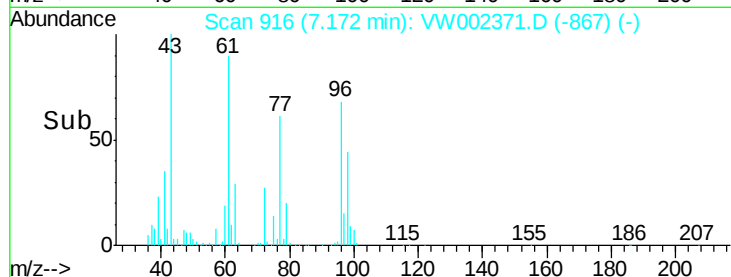
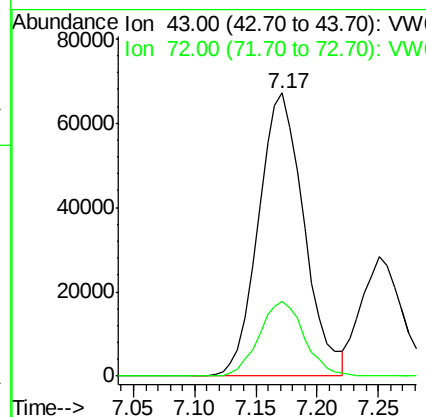
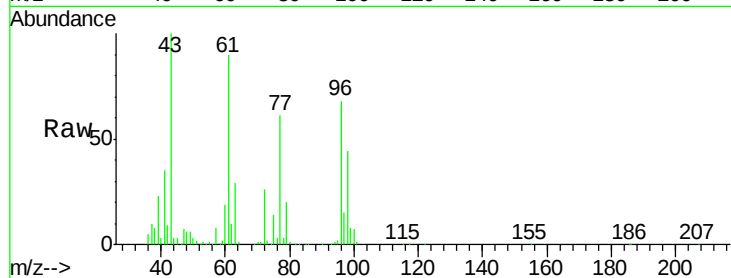
VSTDCCC050

Tot Ion: 43 Resp: 173689

Ion Ratio Lower Upper

43 100

72 26.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 59.82 ug/l

RT: 7.16 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW002371.D

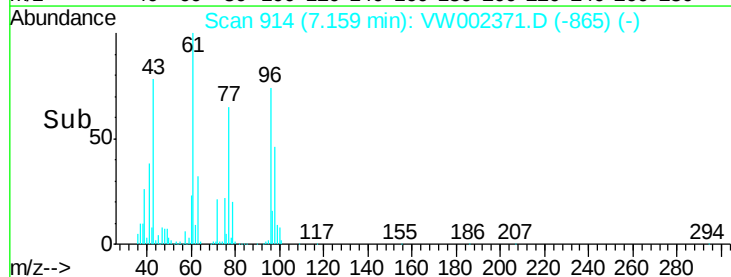
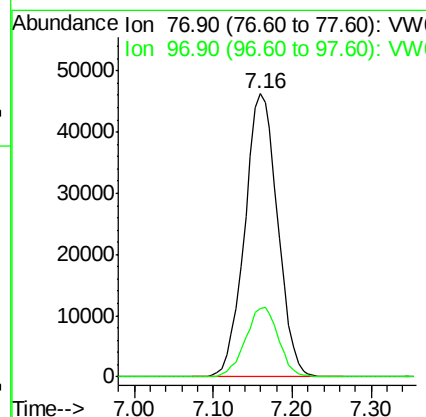
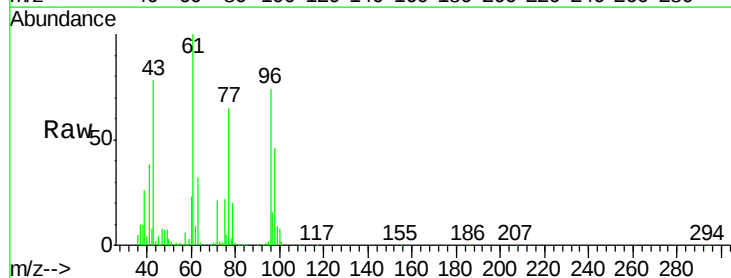
Acq: 10 May 2018 10:47

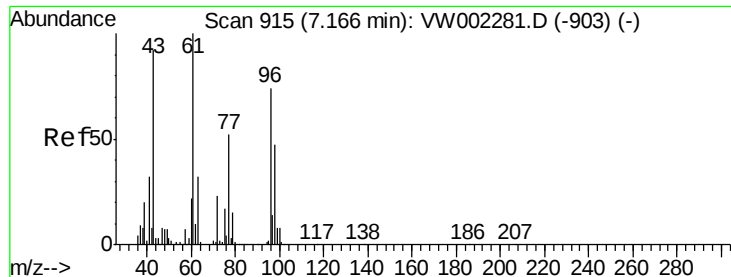
Tgt Ion: 77 Resp: 134101

Ion Ratio Lower Upper

77 100

97 24.6 12.7 38.0





#27

cis-1,2-Dichloroethene

Concen: 48.86 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

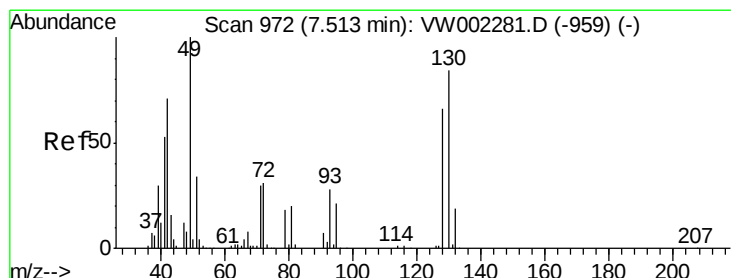
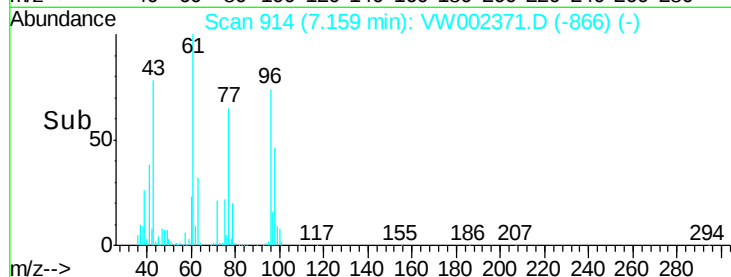
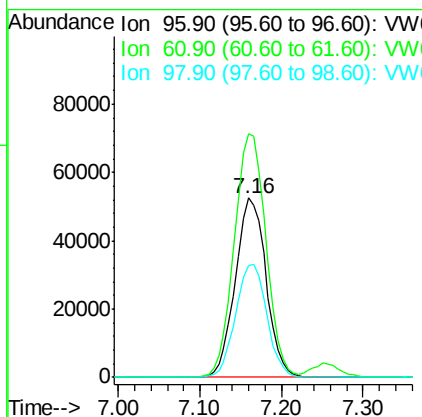
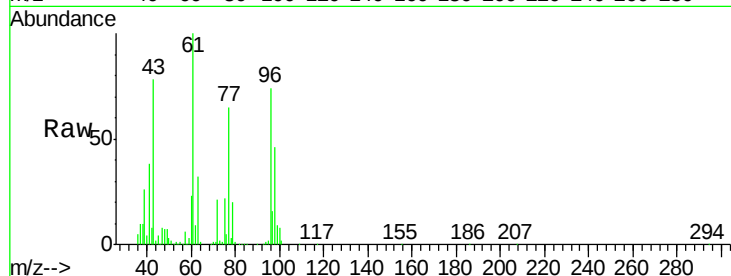
Tot Ion: 96 Resp: 136911

Ion Ratio Lower Upper

96 100

61 139.9 0.0 274.8

98 64.1 0.0 128.4



#28

Bromochloromethane

Concen: 43.05 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

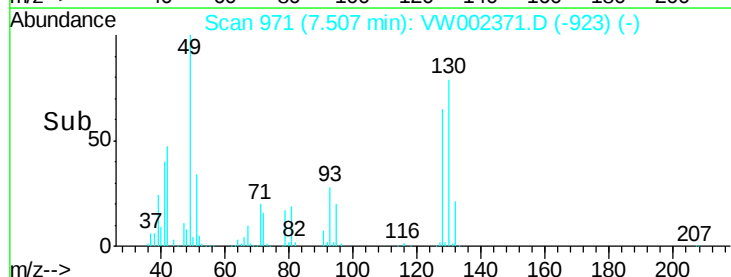
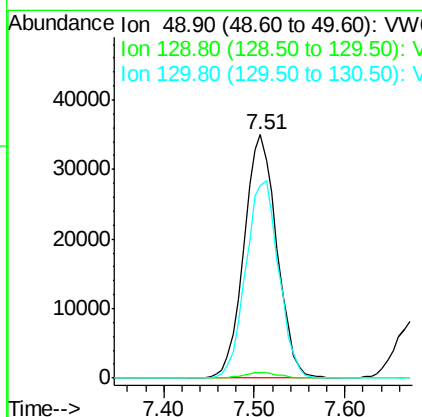
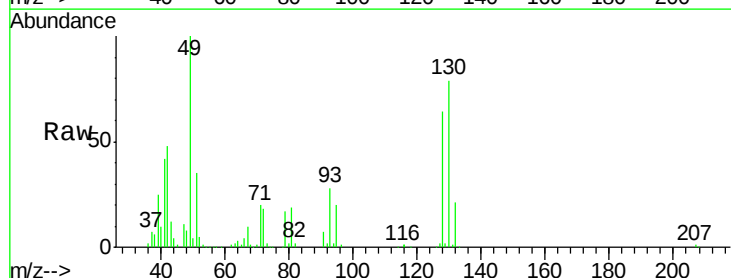
Tgt Ion: 49 Resp: 87573

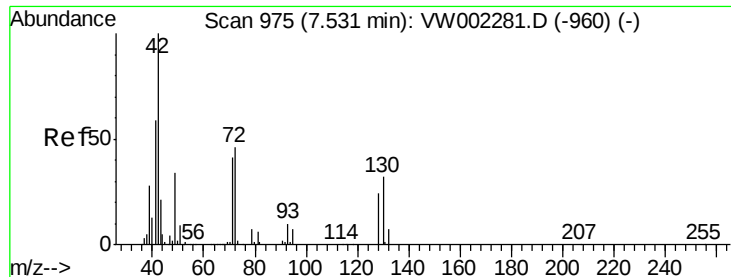
Ion Ratio Lower Upper

49 100

129 2.4 0.0 2.4

130 81.2 65.5 98.3





#29

Tetrahydrofuran

Concen: 196.47 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

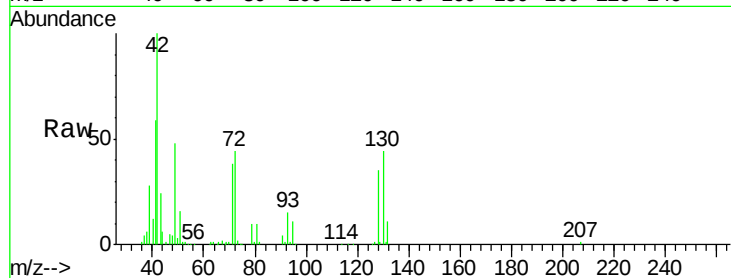
Tot Ion: 42 Resp: 100955

Ion Ratio Lower Upper

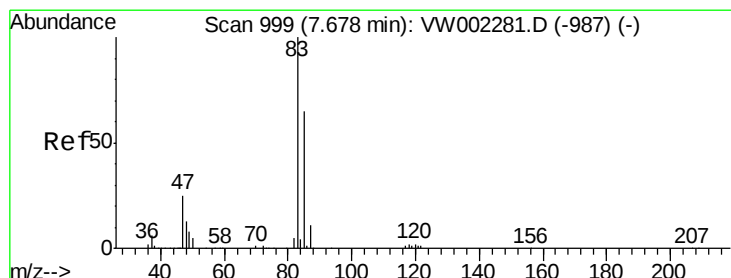
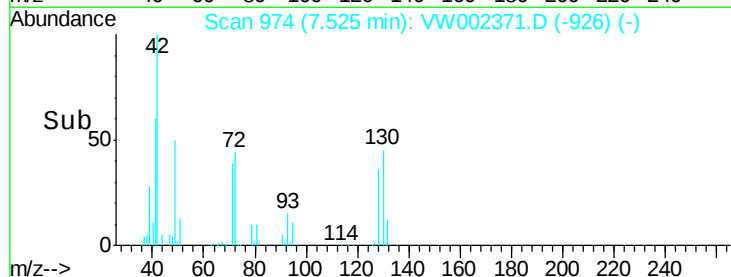
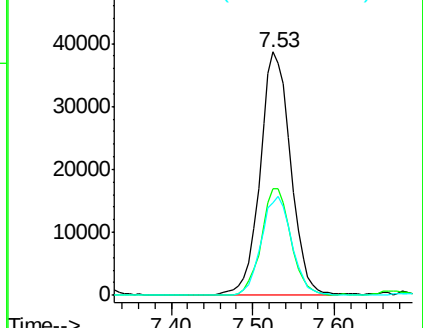
42 100

72 42.4 34.5 51.7

71 40.7 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 47.89 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002371.D

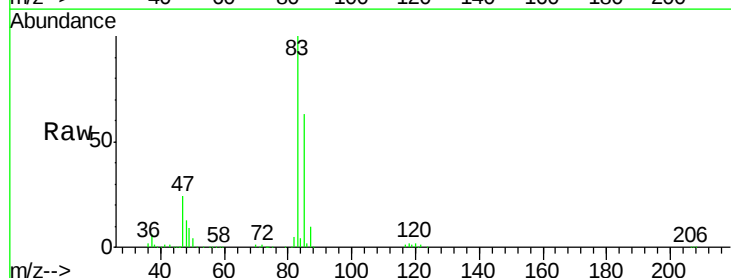
Acq: 10 May 2018 10:47

Tgt Ion: 83 Resp: 225525

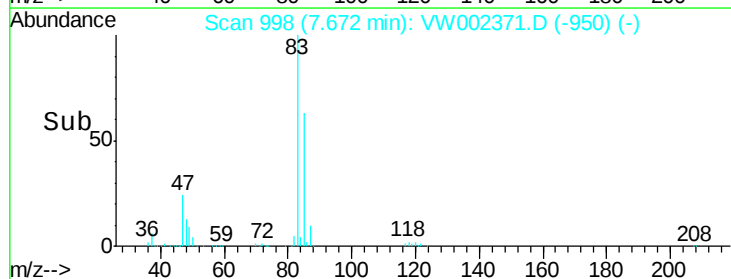
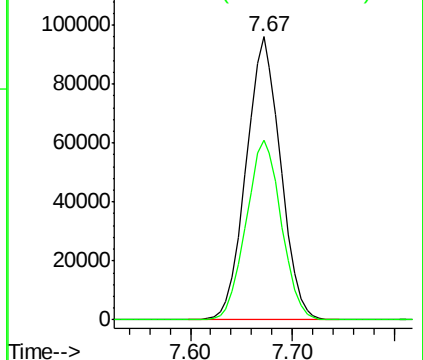
Ion Ratio Lower Upper

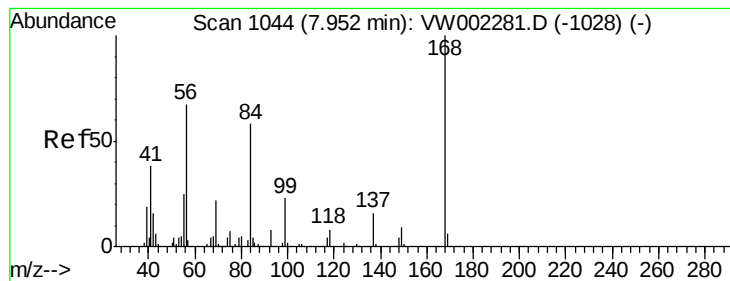
83 100

85 63.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 49.99 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

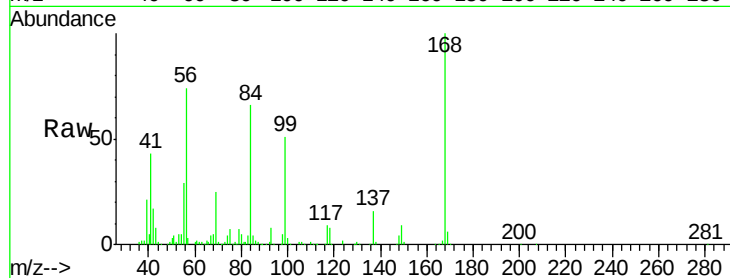
Tot Ion: 56 Resp: 200703

Ion Ratio Lower Upper

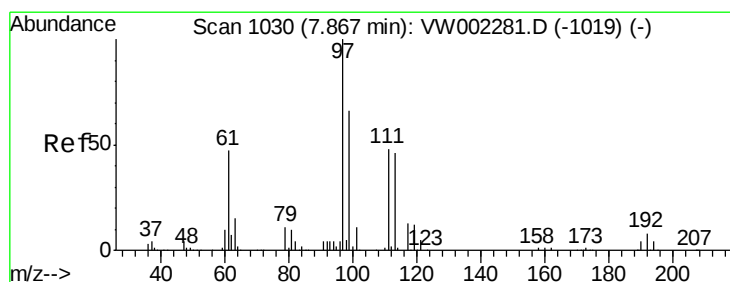
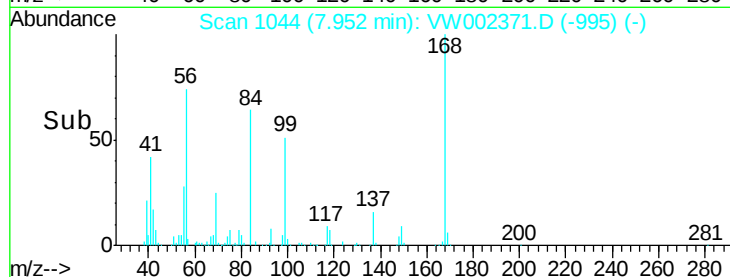
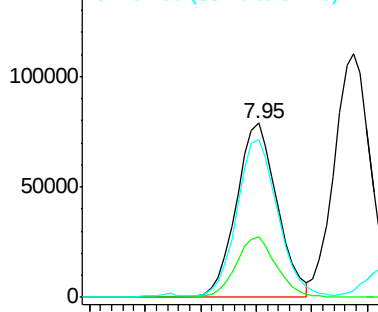
56 100

69 34.5 26.2 39.4

84 89.1 69.2 103.8



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



#32

1,1,1-Trichloroethane

Concen: 51.01 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

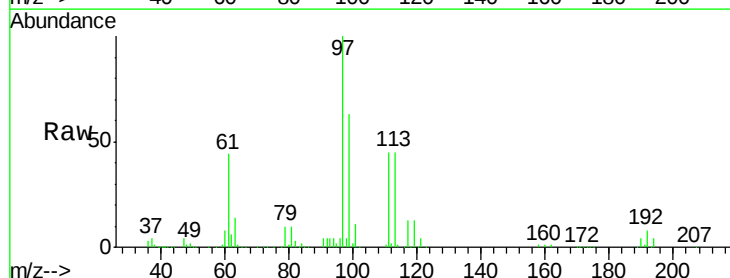
Tgt Ion: 97 Resp: 180515

Ion Ratio Lower Upper

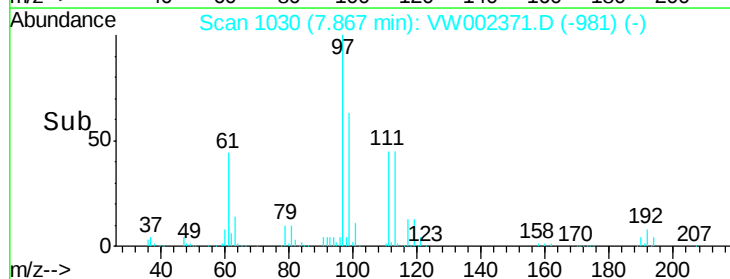
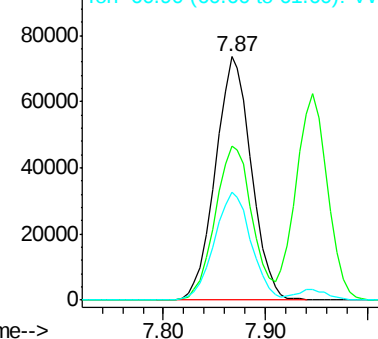
97 100

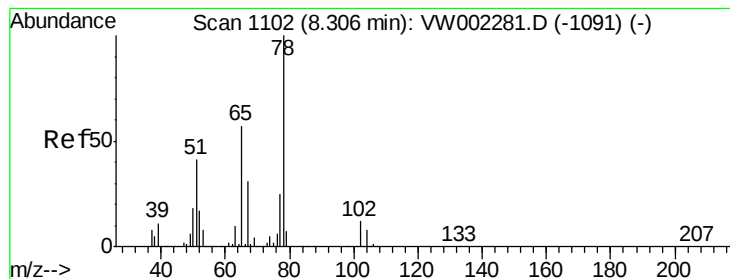
99 65.4 52.6 79.0

61 45.3 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 45.70 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

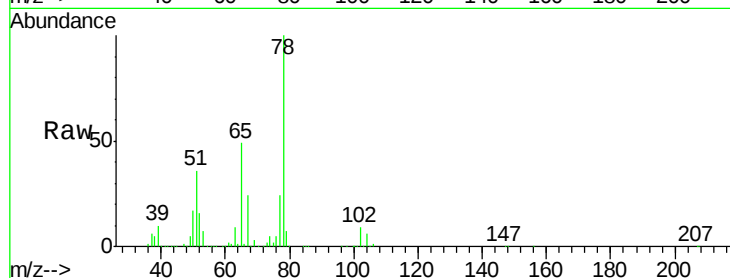
VSTDCCC050

Tot Ion: 65 Resp: 123463

Ion Ratio Lower Upper

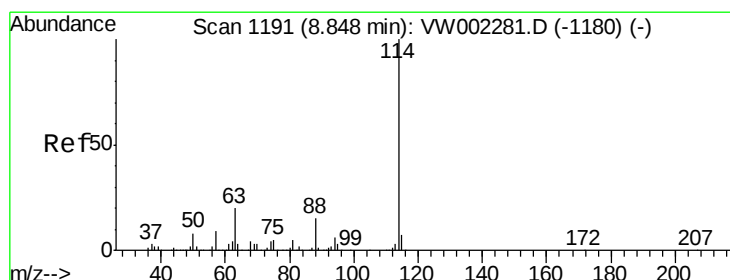
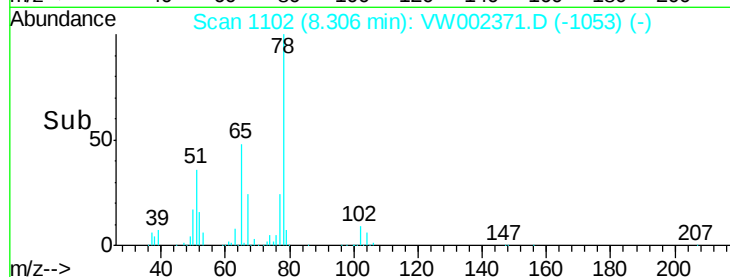
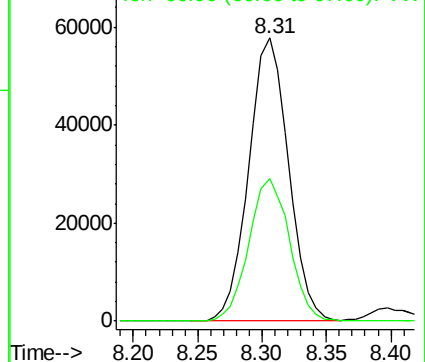
65 100

67 51.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

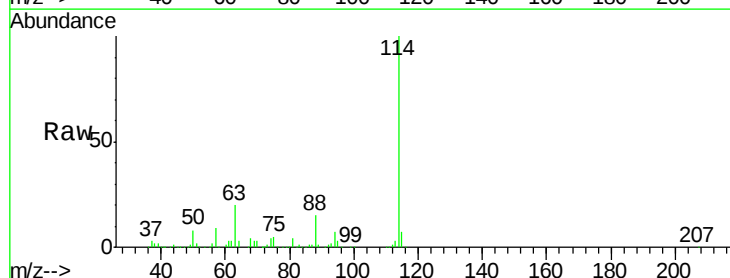
Tgt Ion: 114 Resp: 373350

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

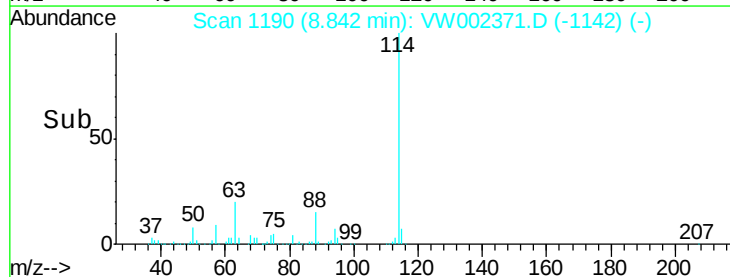
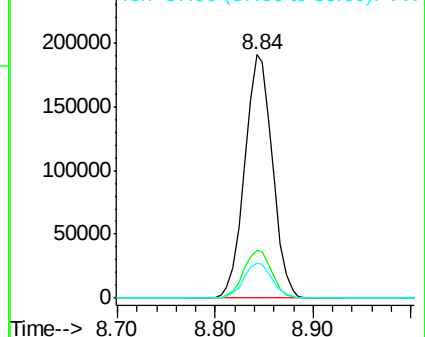
88 14.6 0.0 29.6

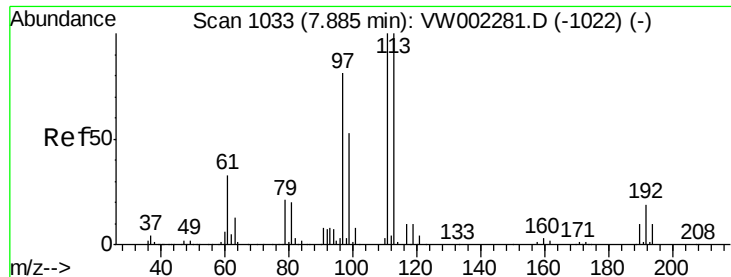


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

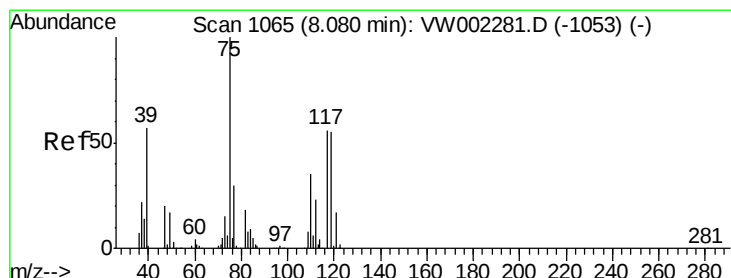
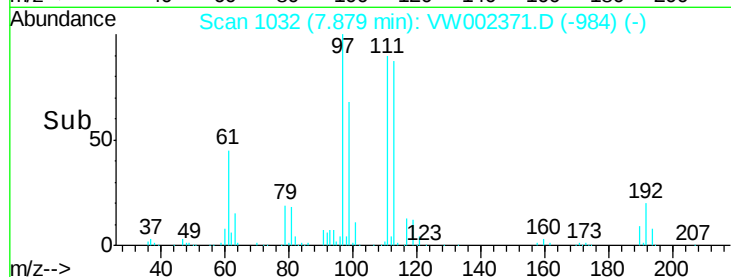
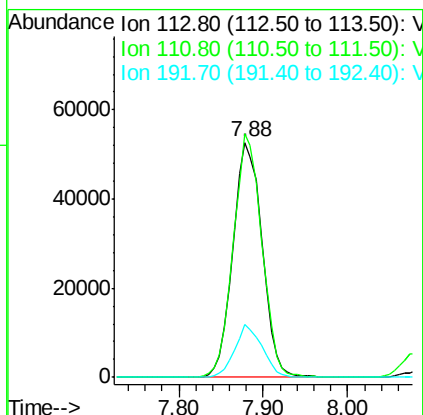
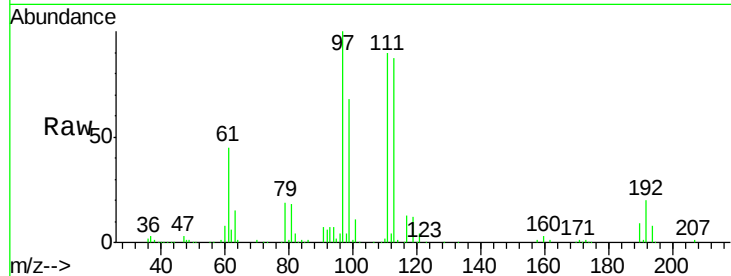




#35
Dibromofluoromethane
Concen: 51.54 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

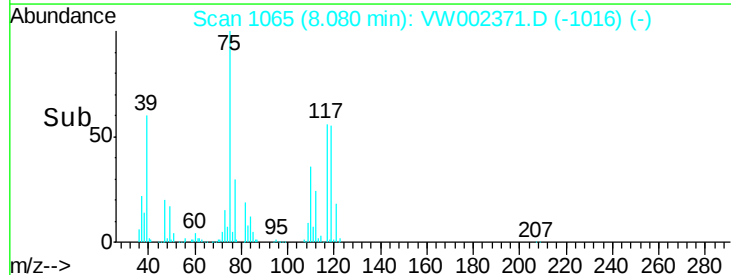
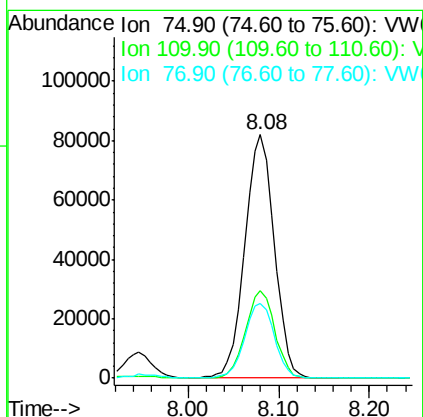
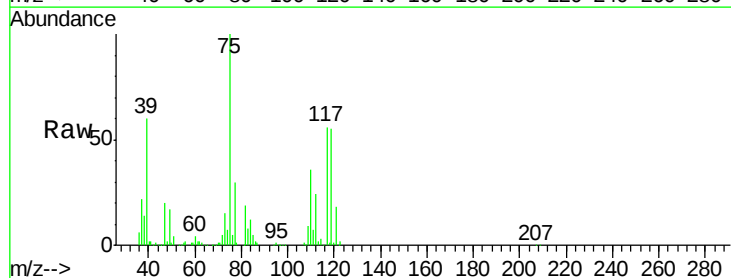
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

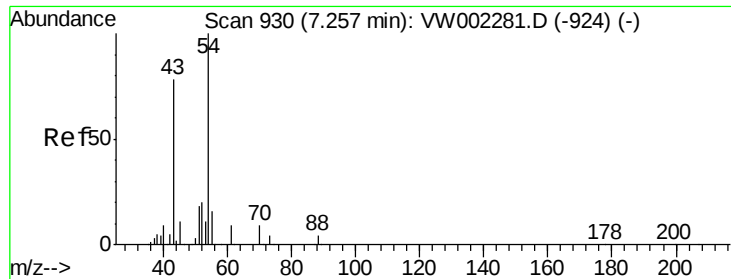
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	21.0	16.4	24.6



#36
1,1-Dichloropropene
Concen: 54.75 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.1
77	31.2	24.5	36.7

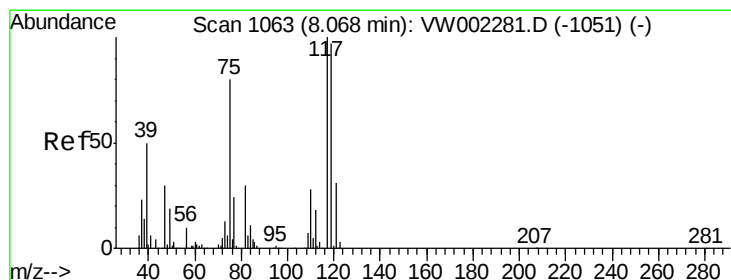
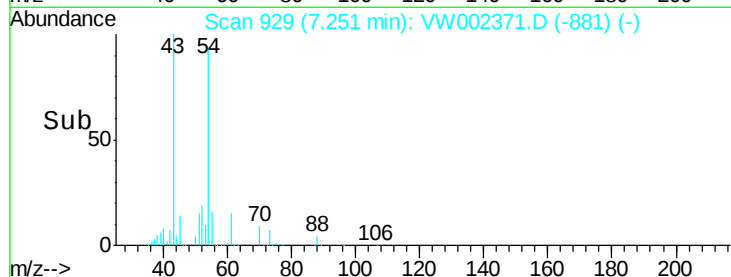
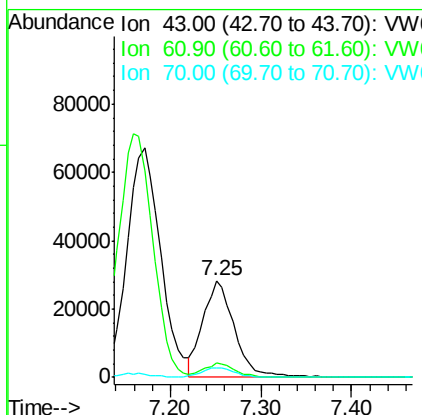
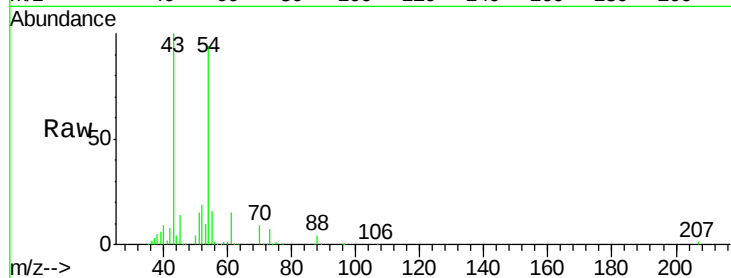




#37
Ethyl Acetate
Concen: 41.33 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

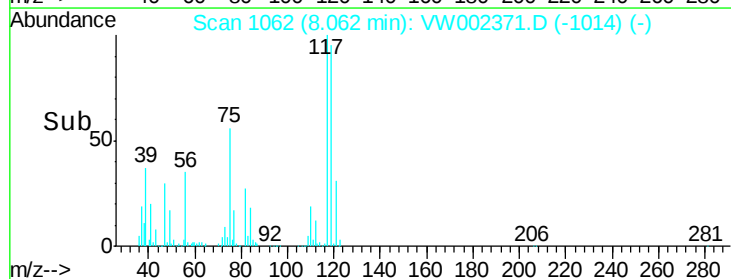
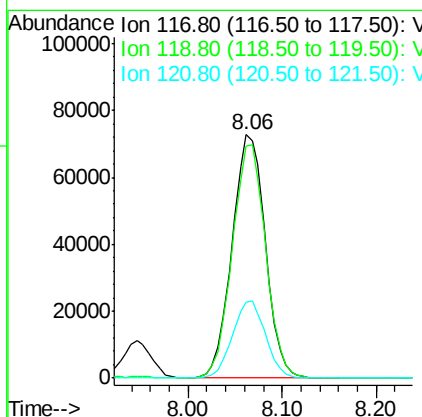
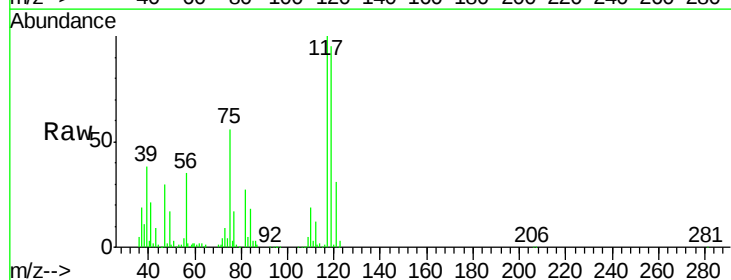
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

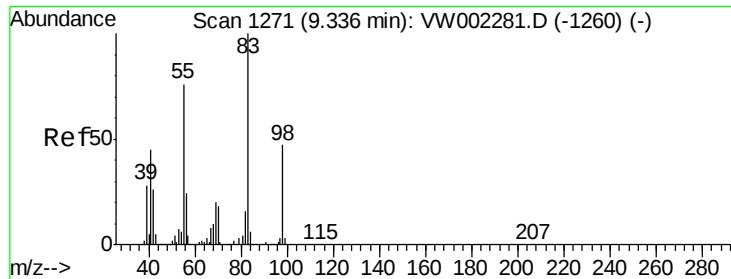
Tot Ion: 43 Resp: 67999
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 54.86 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion: 117 Resp: 179118
Ion Ratio Lower Upper
117 100
119 95.3 77.5 116.3
121 31.0 24.4 36.6

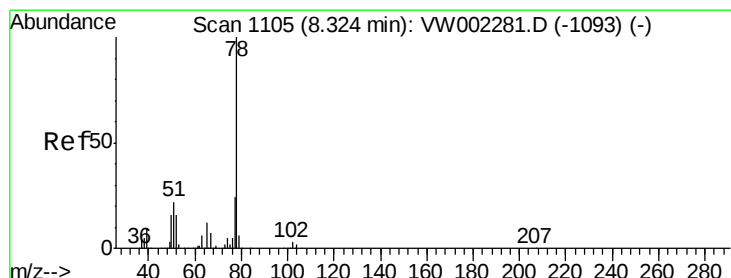
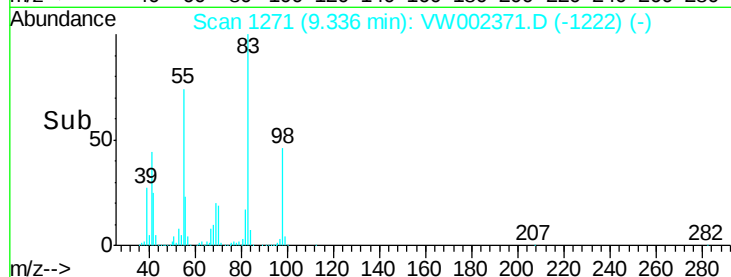
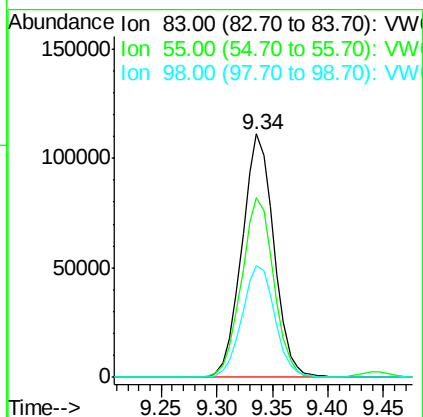
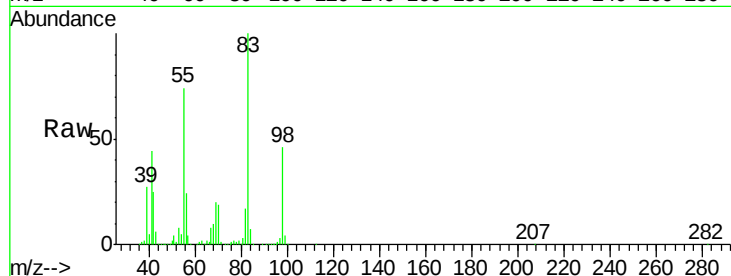




#39
Methvlcvclohexane
Concen: 56.33 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

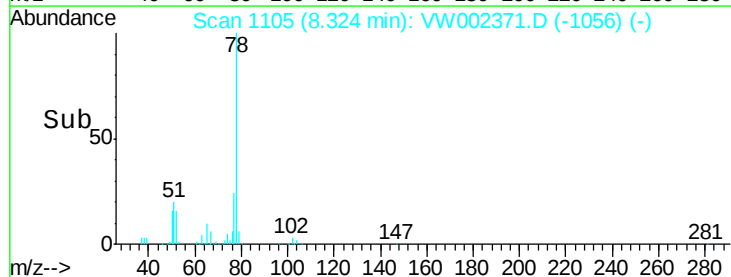
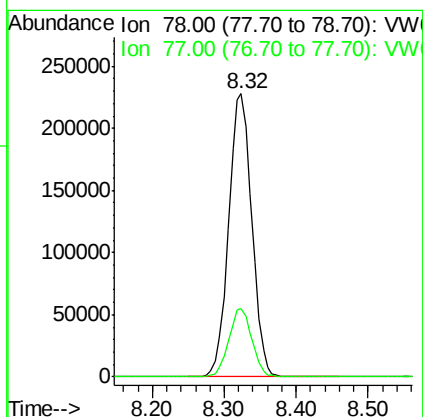
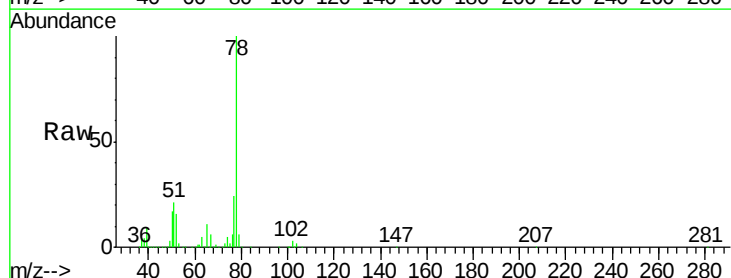
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

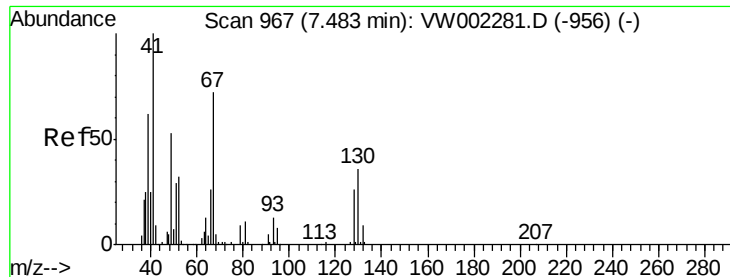
Tot Ion: 83 Resp: 221970
Ion Ratio Lower Upper
83 100
55 73.8 60.6 91.0
98 46.0 37.4 56.0



#40
Benzene
Concen: 51.50 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion: 78 Resp: 508278
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9

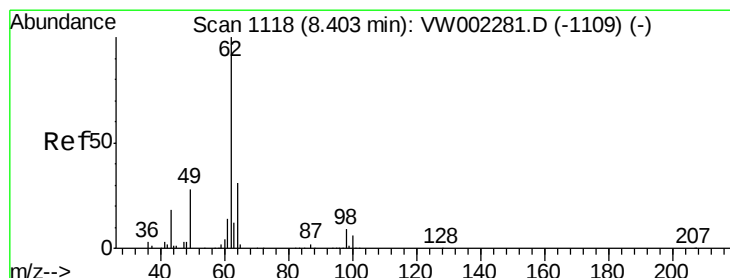
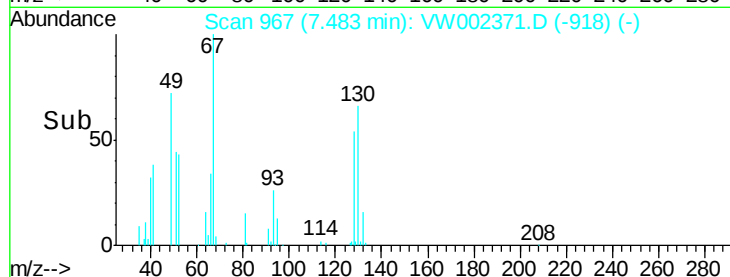
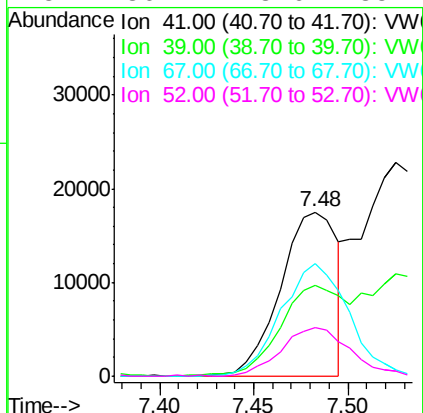
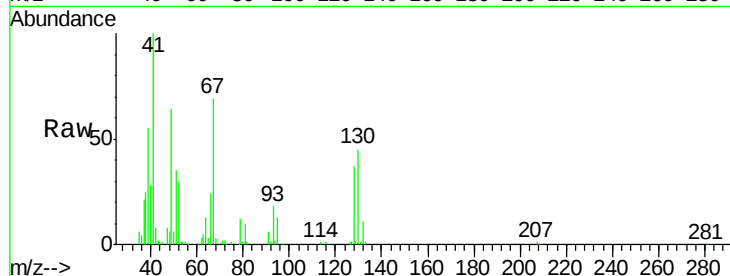




#41
Methacrylonitrile
Concen: 39.05 ug/l
RT: 7.48 min Scan# 967
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

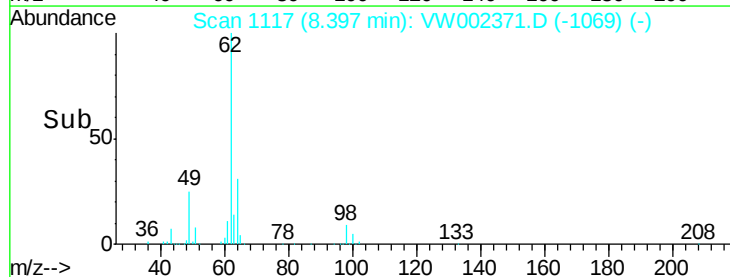
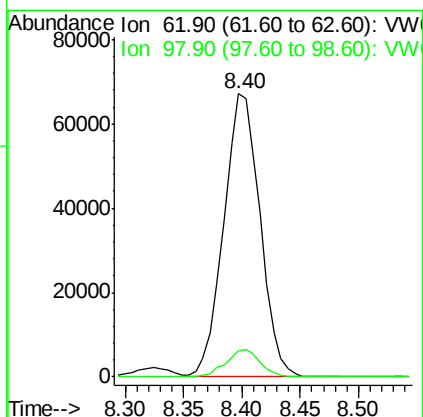
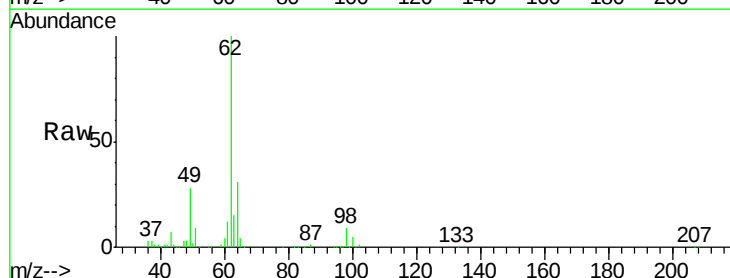
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

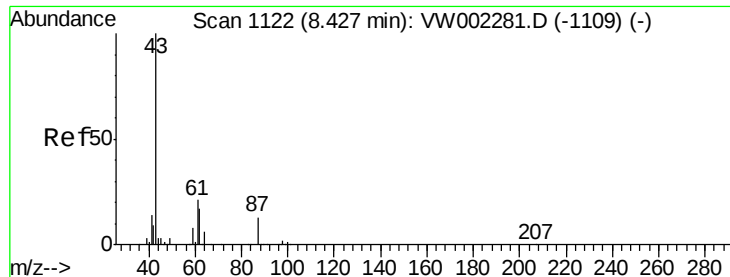
Tot Ion	Ratio	Lower	Upper
41	100		
39	63.9	40.2	60.4#
67	82.1	54.7	82.1#
52	36.2	23.6	35.4#



#42
1,2-Dichloroethane
Concen: 47.04 ug/l
RT: 8.40 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



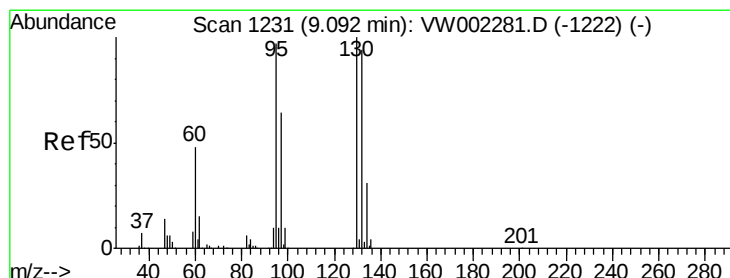
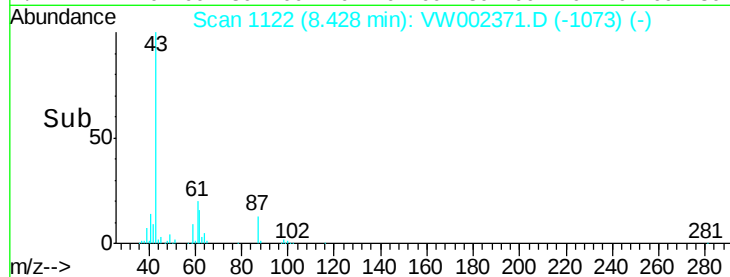
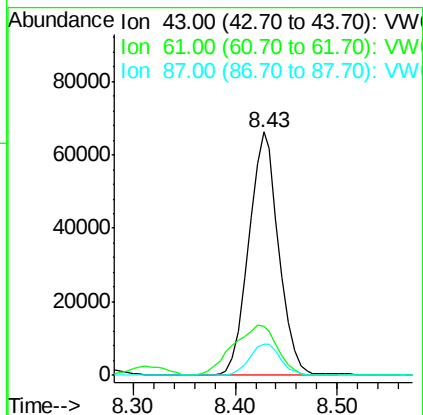
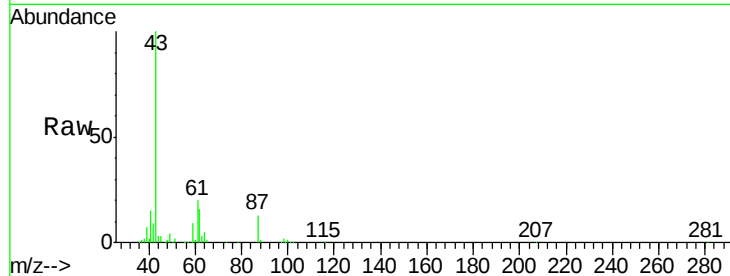


#43

Isopropyl Acetate
 Concen: 43.43 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

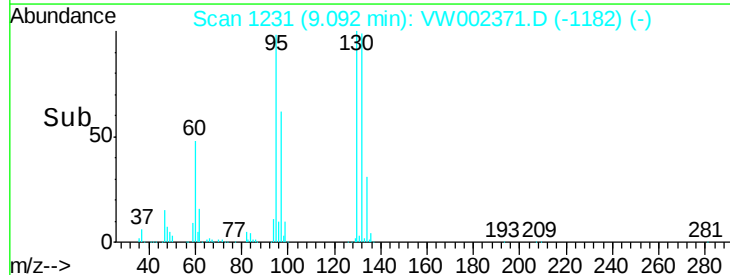
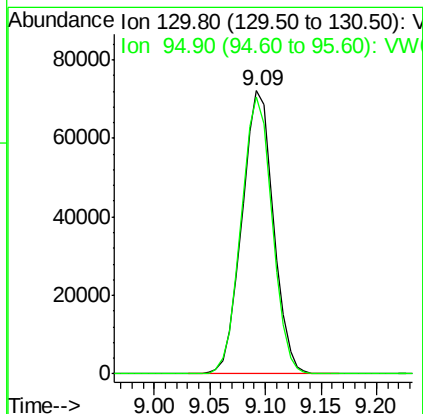
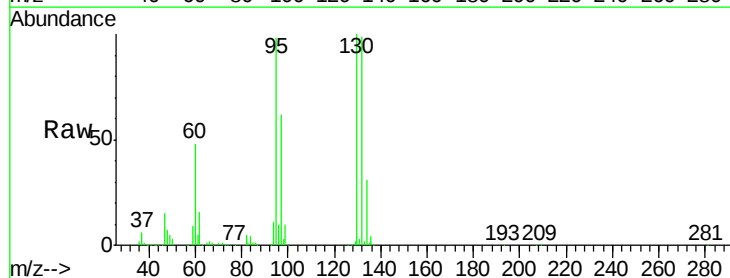
Tot Ion	43	Resp	135572
Ion Ratio	Lower	Upper	
43	100		
61	30.6	23.7	35.5
87	13.3	10.7	16.1

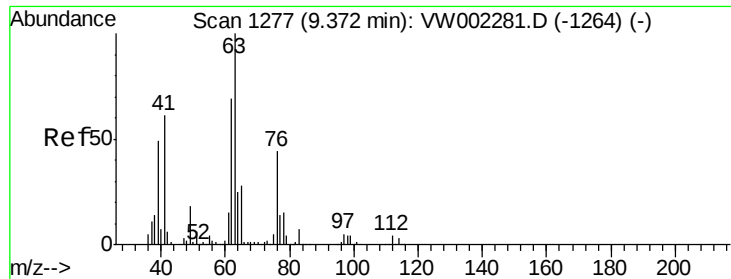


#44

Trichloroethene
 Concen: 52.52 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion	130	Resp	141323
Ion Ratio	Lower	Upper	
130	100		
95	97.9	0.0	193.4

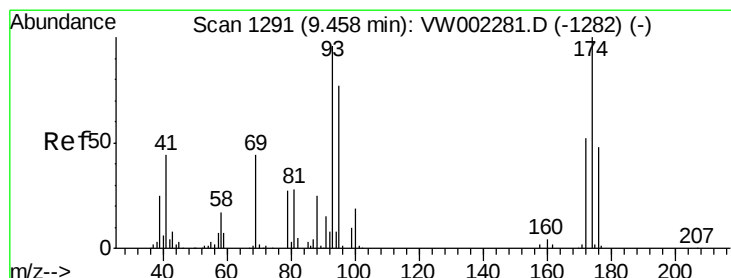
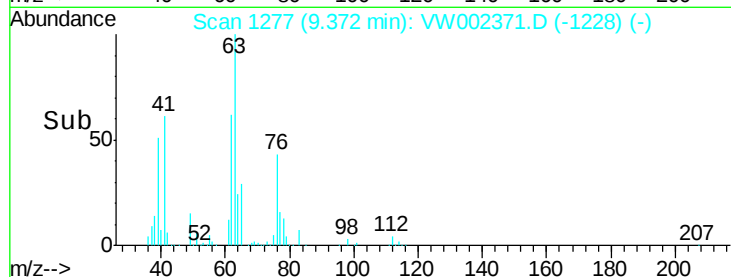
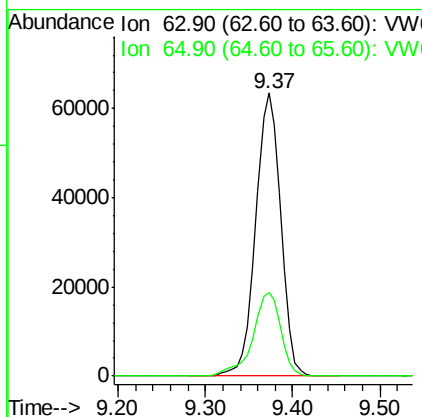
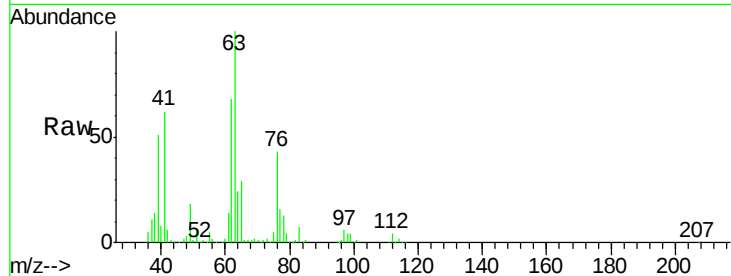




#45
 1,2-Dichloropropane
 Concen: 51.12 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

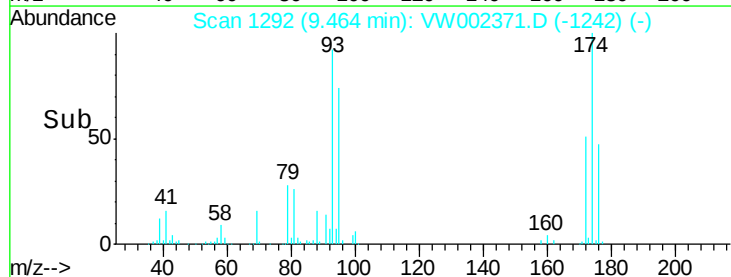
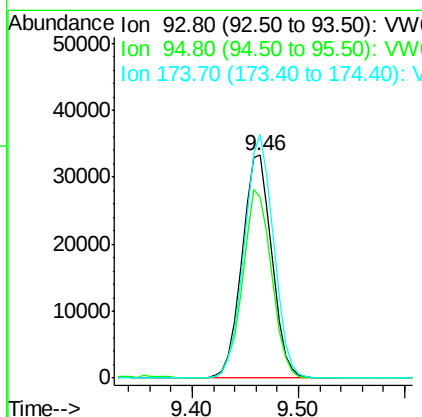
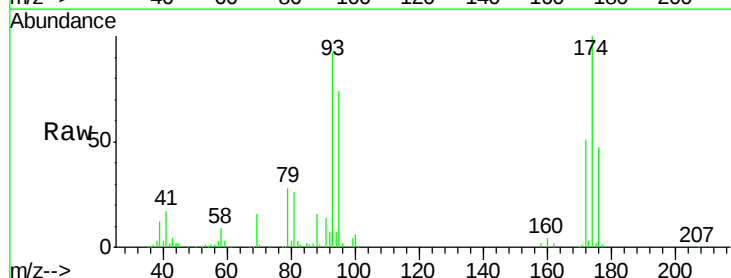
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

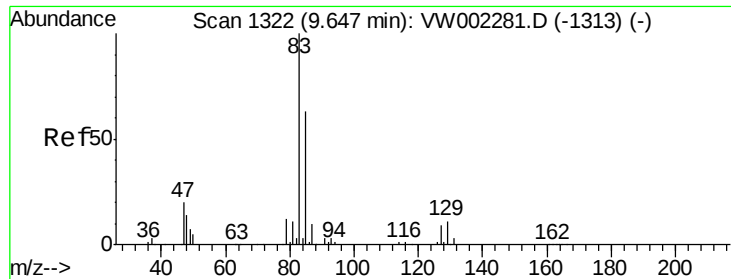
Tot Ion: 63 Resp: 126427
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.9 34.3



#46
 Dibromomethane
 Concen: 47.40 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 93 Resp: 65518
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.4 99.6
 174 107.2 86.8 130.2

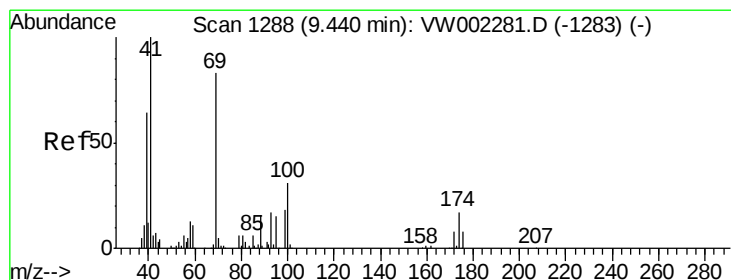
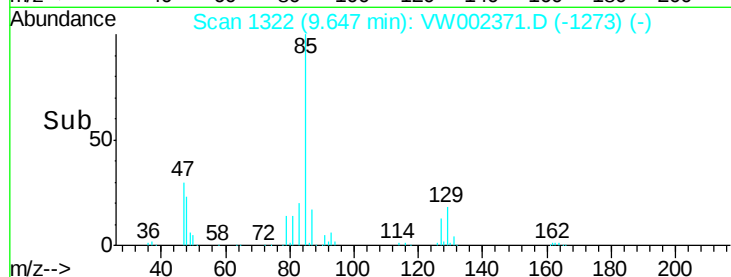
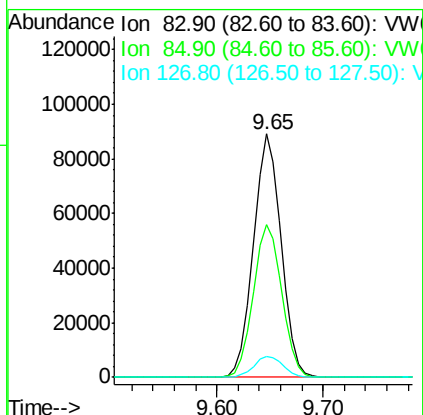
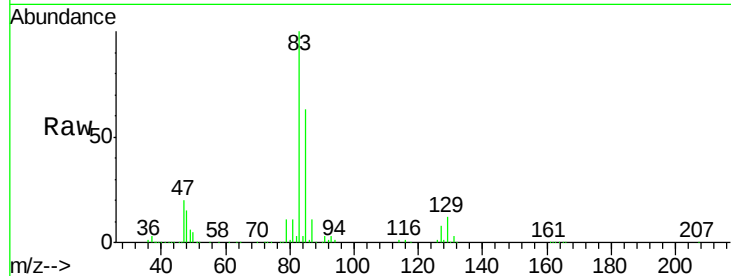




#47
 Bromodichloromethane
 Concen: 49.97 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

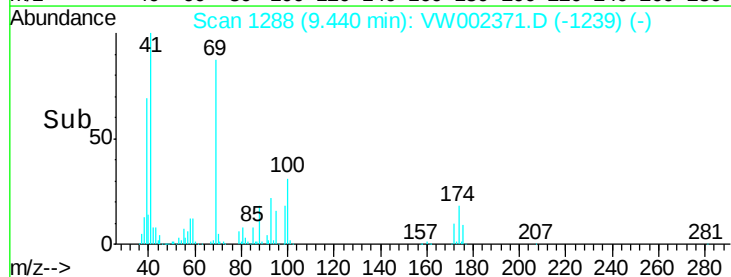
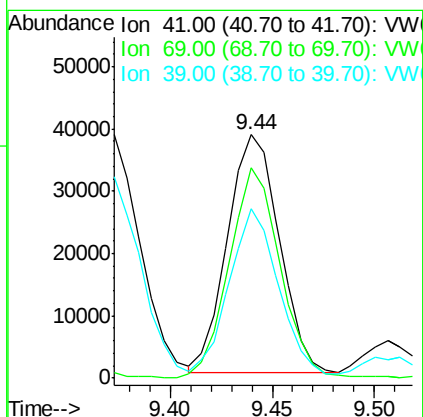
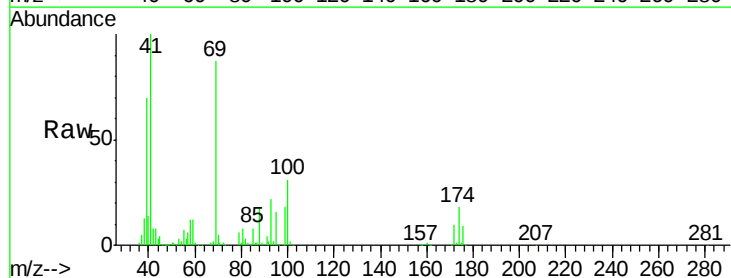
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

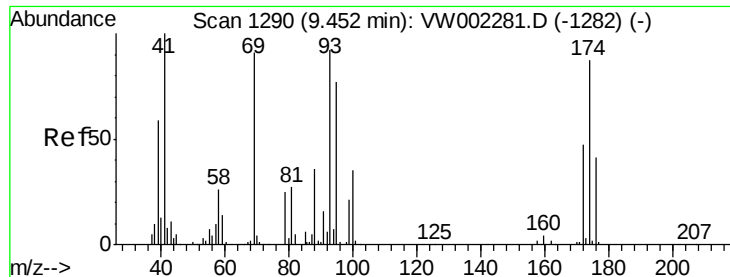
Tot Ion: 83 Resp: 163021
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.2 75.2
 127 8.5 6.9 10.3



#48
 Methyl methacrylate
 Concen: 44.34 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 41 Resp: 67220
 Ion Ratio Lower Upper
 41 100
 69 88.0 69.9 104.9
 39 69.1 54.0 81.0





#49

1,4-Dioxane

Concen: 919.68 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

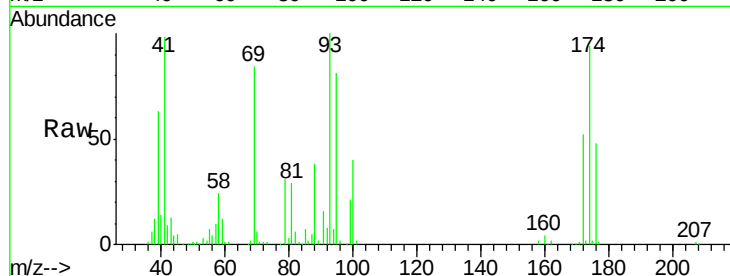
Tot Ion: 88 Resp: 20195

Ion Ratio Lower Upper

88 100

43 32.3 26.3 39.5

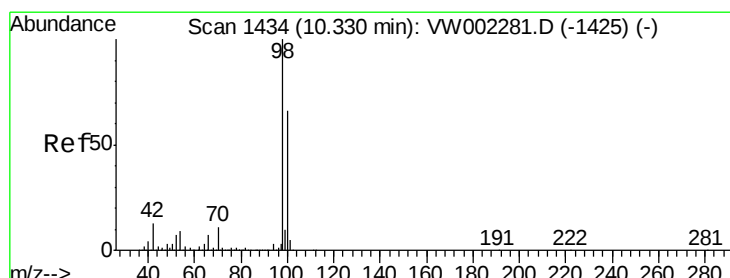
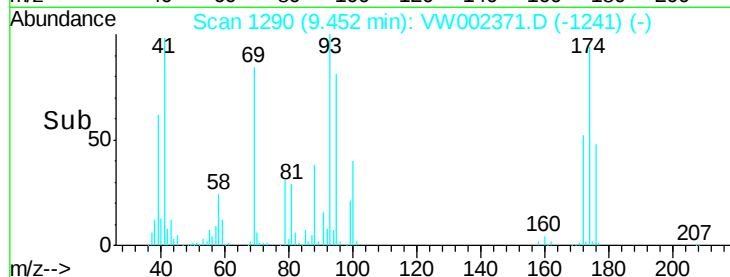
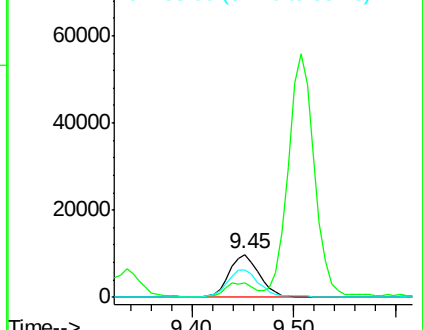
58 70.8 56.0 84.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.82 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002371.D

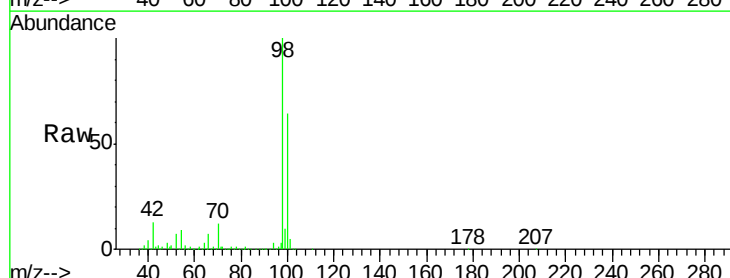
Acq: 10 May 2018 10:47

Tgt Ion: 98 Resp: 482008

Ion Ratio Lower Upper

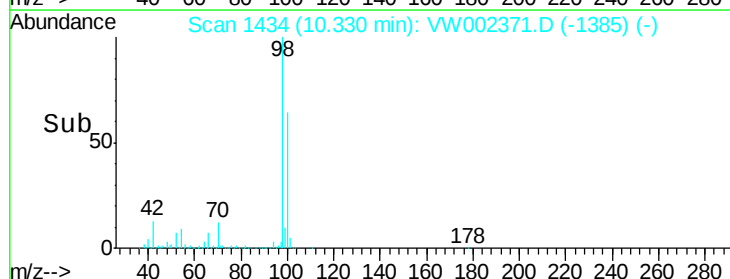
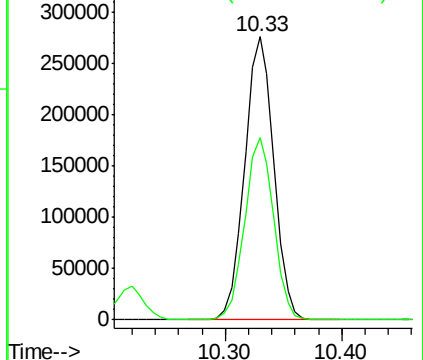
98 100

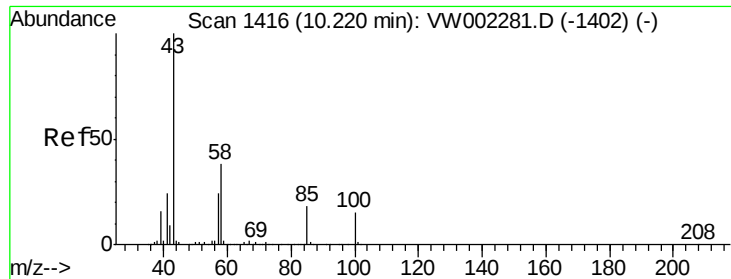
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 210.14 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

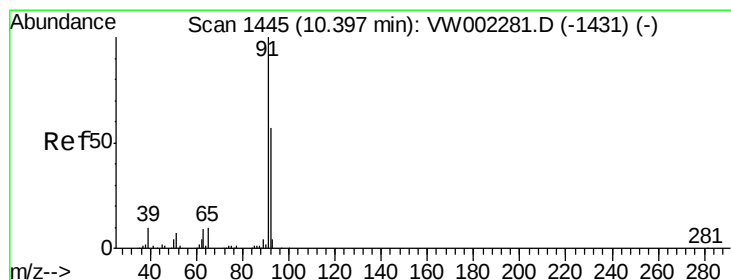
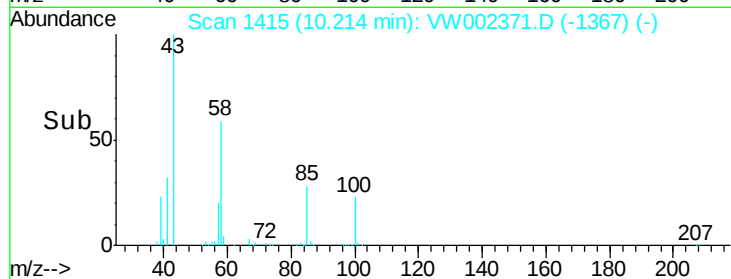
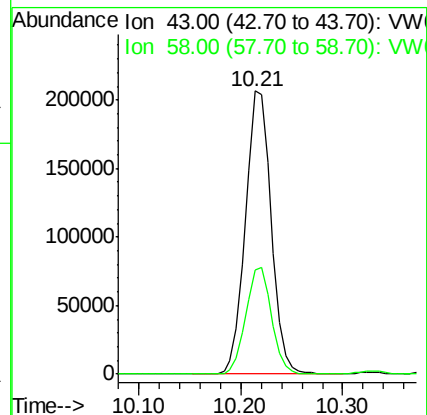
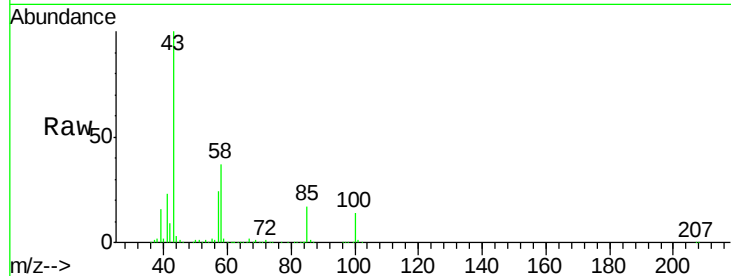
VSTDCCC050

Tot Ion: 43 Resp: 361879

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2



#52

Toluene

Concen: 52.16 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002371.D

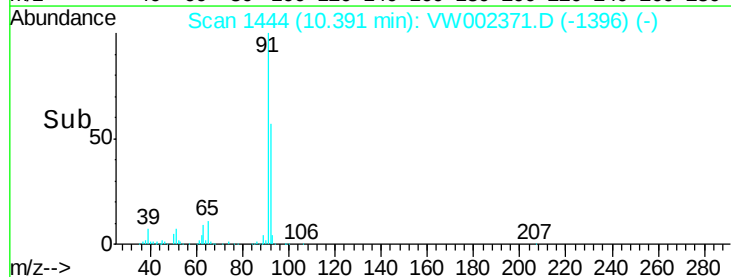
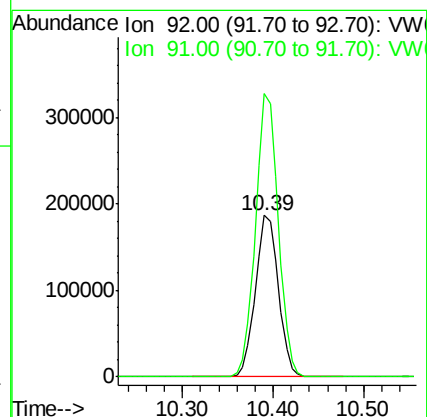
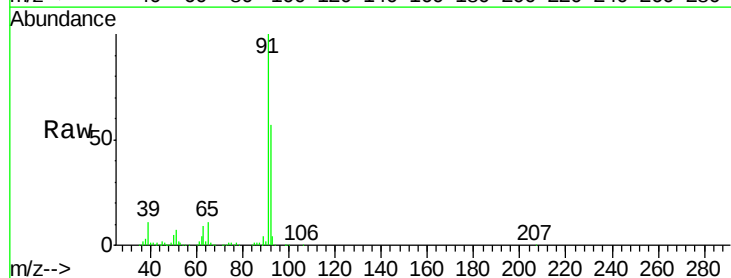
Acq: 10 May 2018 10:47

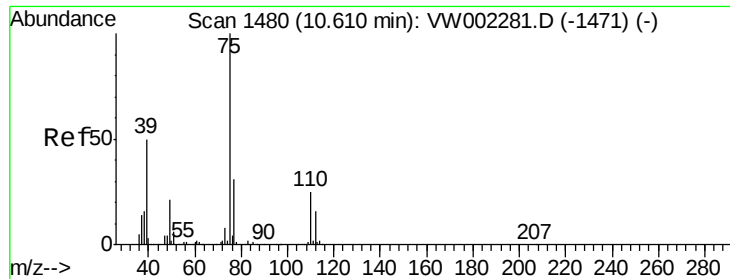
Tgt Ion: 92 Resp: 326954

Ion Ratio Lower Upper

92 100

91 174.2 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.08 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampled :

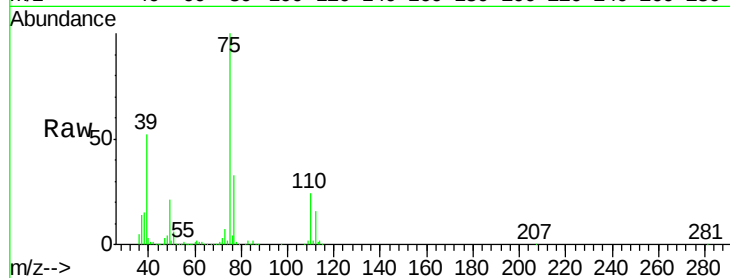
VSTDCCC050

Tot Ion: 75 Resp: 163844

Ion Ratio Lower Upper

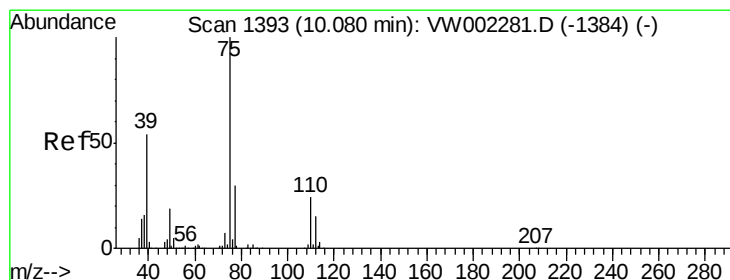
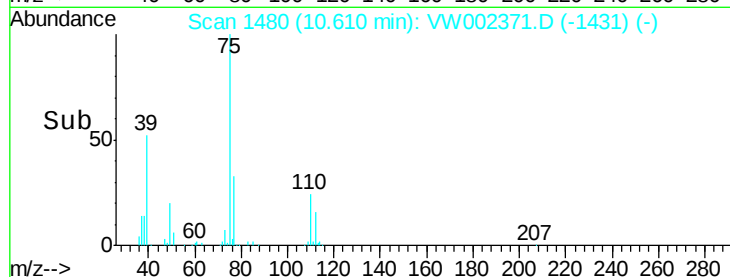
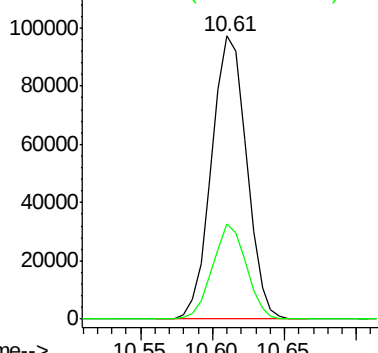
75 100

77 33.3 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.75 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

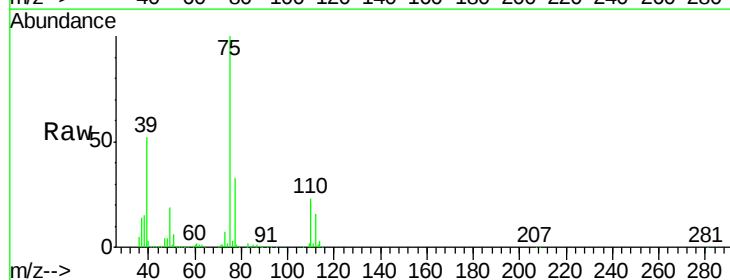
Tgt Ion: 75 Resp: 189753

Ion Ratio Lower Upper

75 100

77 32.6 23.9 35.9

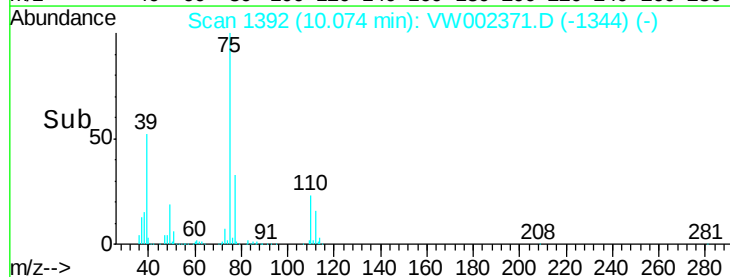
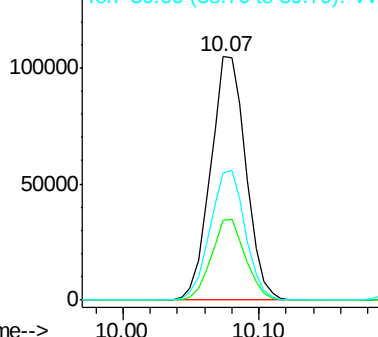
39 52.1 43.2 64.8

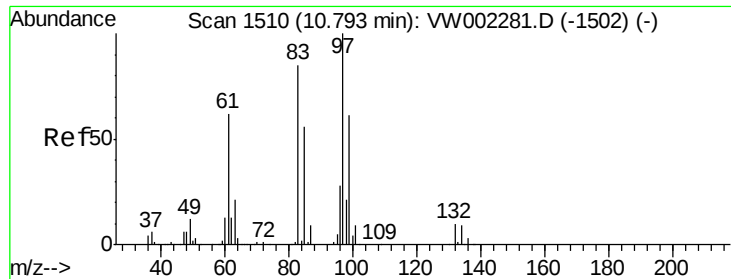


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 46.69 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 90869

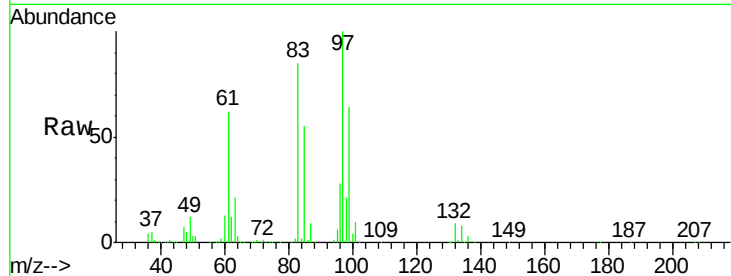
Ion Ratio Lower Upper

97 100

83 85.5 68.4 102.6

85 54.4 44.6 67.0

99 64.5 48.8 73.2

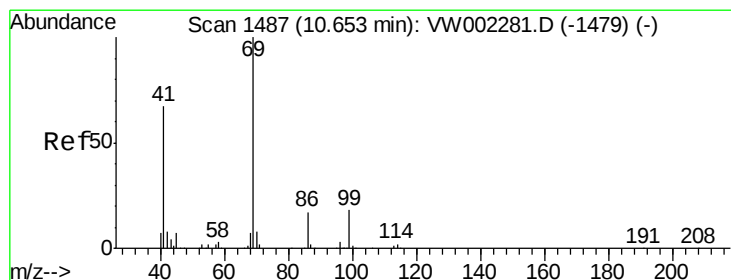
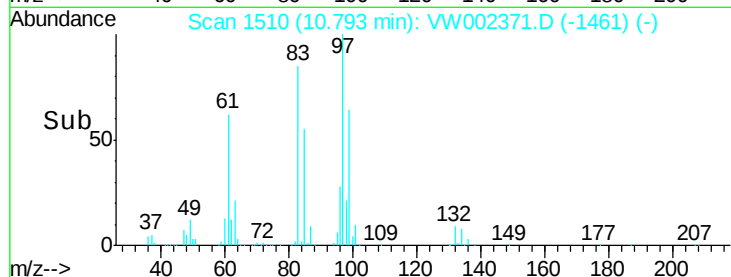
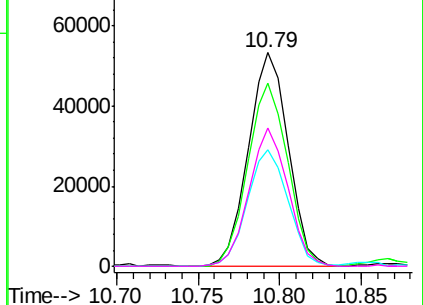


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 45.97 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

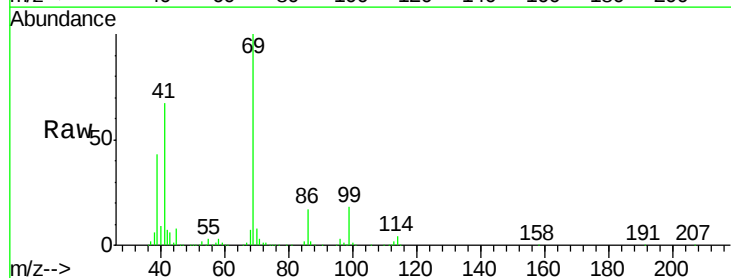
Tgt Ion: 69 Resp: 110608

Ion Ratio Lower Upper

69 100

41 69.2 56.0 84.0

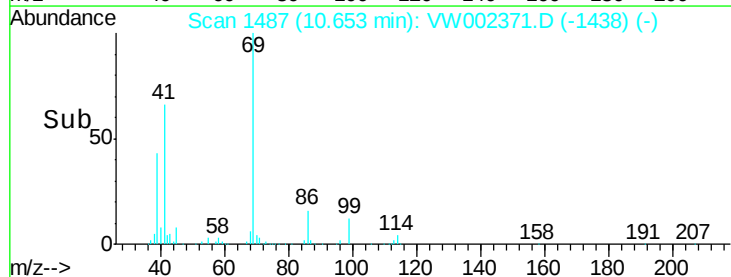
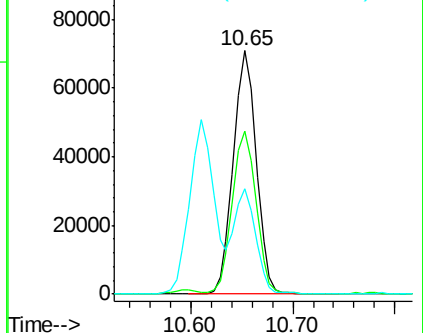
39 40.2 32.7 49.1

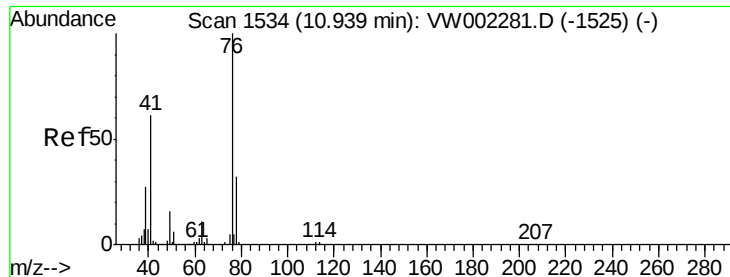


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 46.86 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

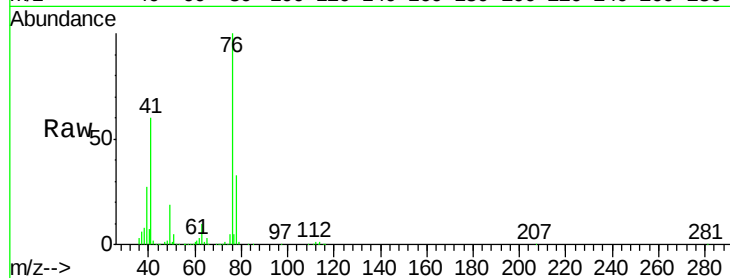
VSTDCCC050

Tot Ion: 76 Resp: 155058

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.94

80000

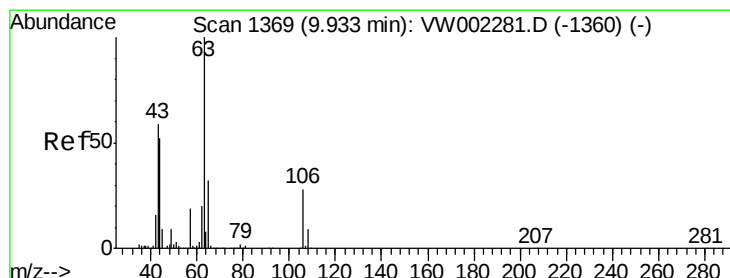
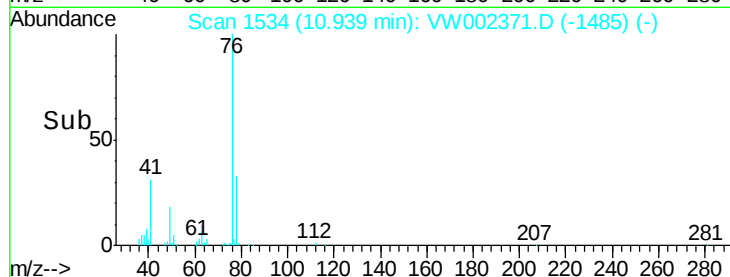
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 225.63 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW002371.D

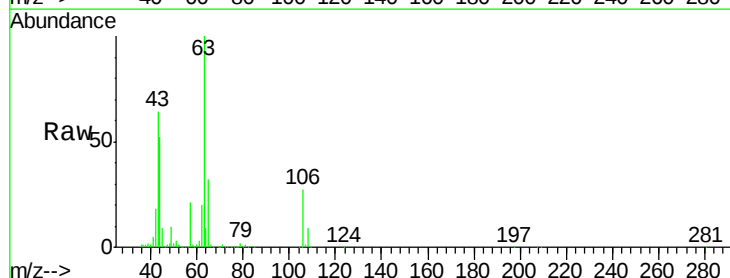
Acq: 10 May 2018 10:47

Tgt Ion: 63 Resp: 263490

Ion Ratio Lower Upper

63 100

106 28.6 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

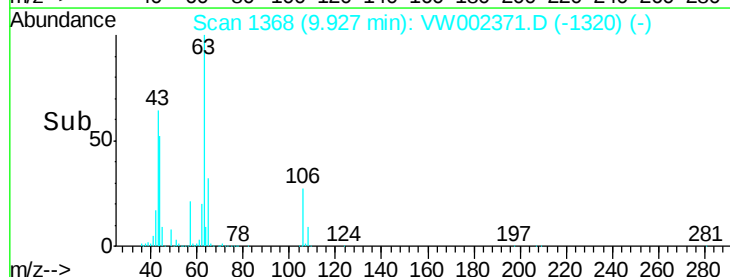
150000

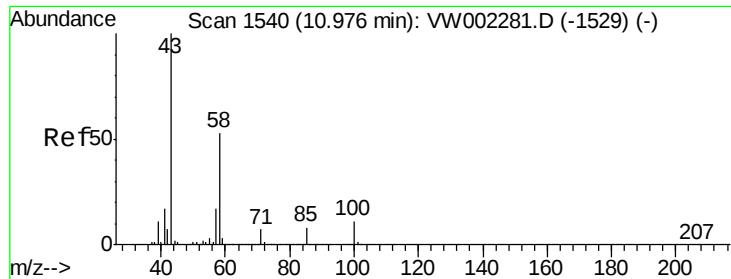
100000

50000

0

Time-->

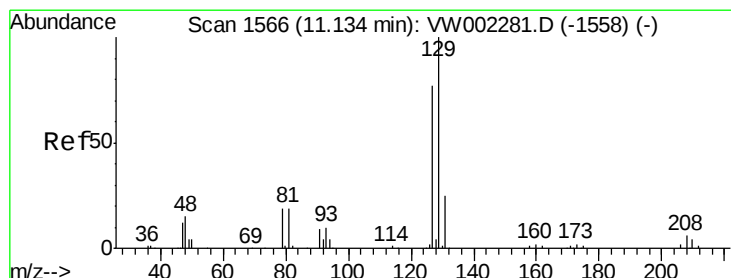
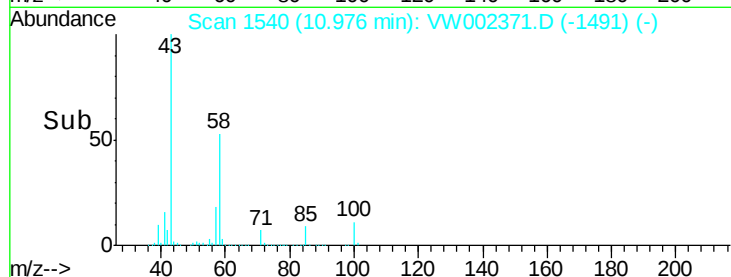
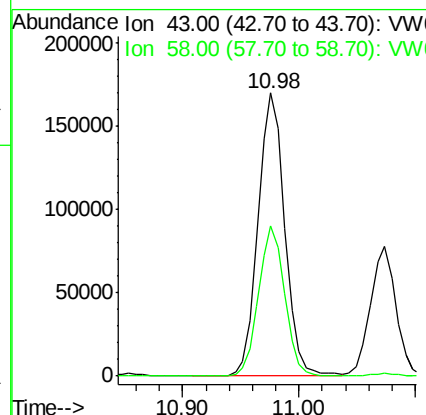
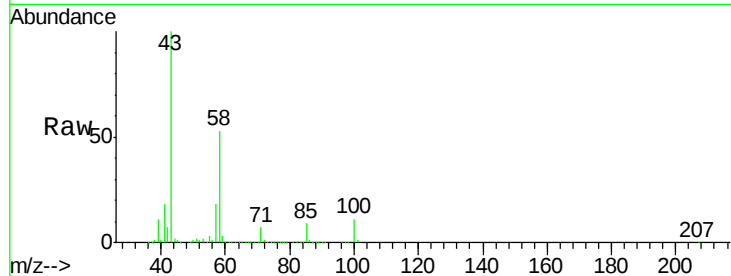




#59
2-Hexanone
Concen: 231.33 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

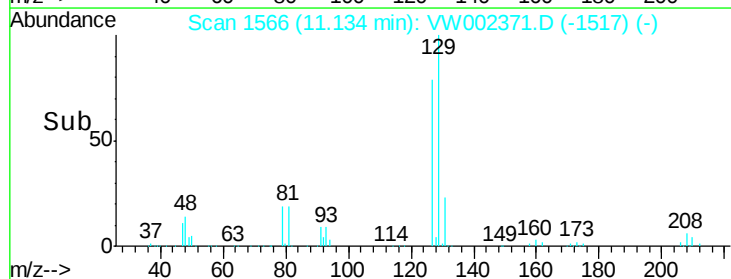
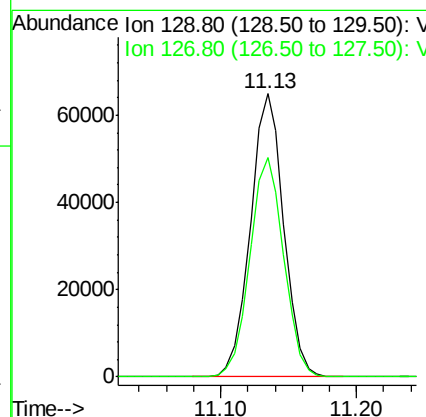
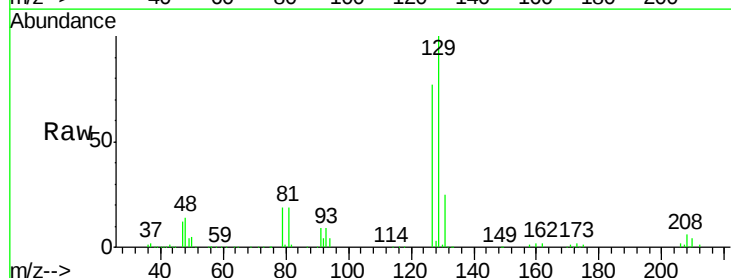
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

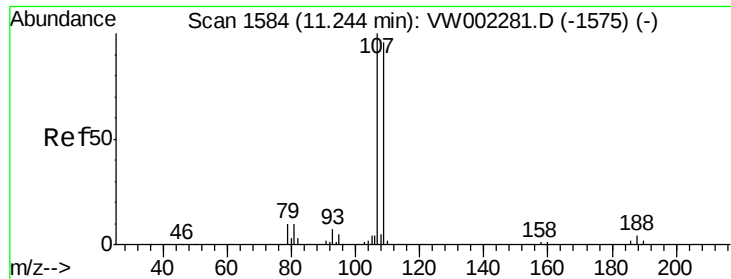
Tot Ion: 43 Resp: 272497
Ion Ratio Lower Upper
43 100
58 51.8 26.0 78.0



#60
Dibromochloromethane
Concen: 48.49 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion: 129 Resp: 111395
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9

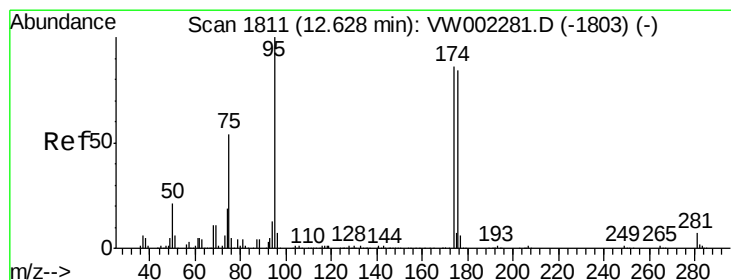
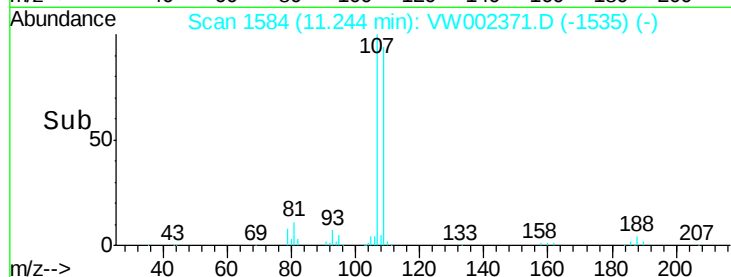
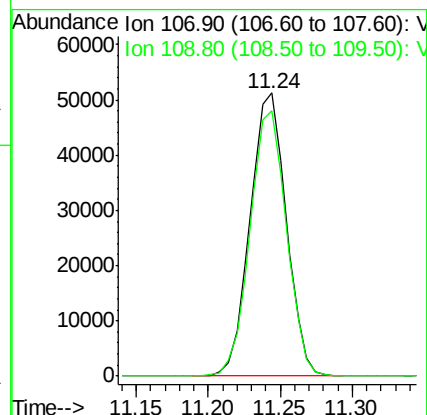
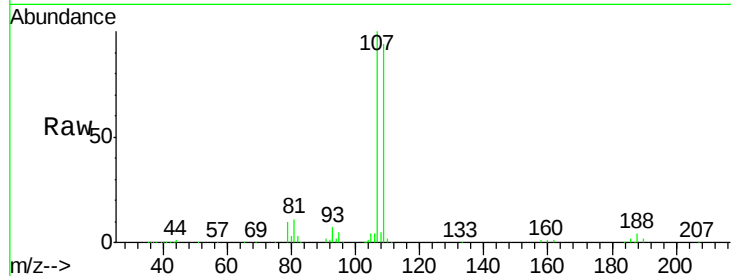




#61
 1,2-Dibromoethane
 Concen: 46.74 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

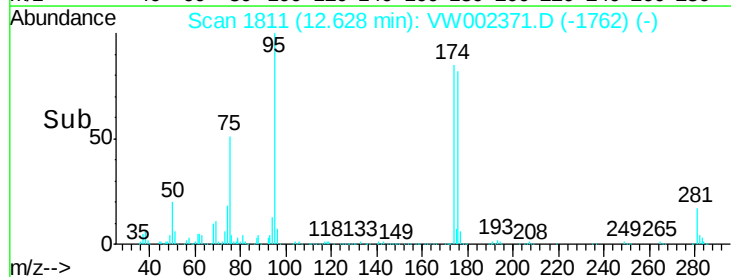
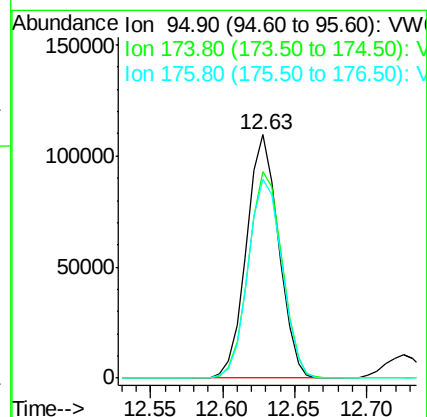
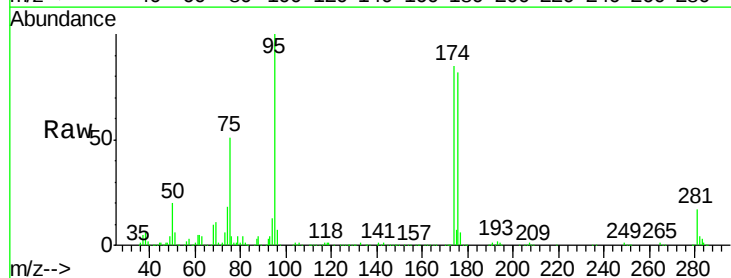
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

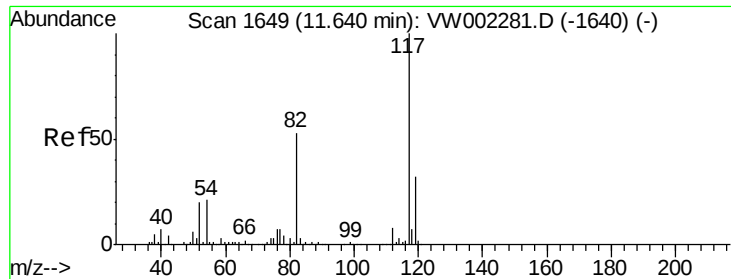
Tot Ion: 107 Resp: 88918
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.44 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion: 95 Resp: 169631
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 176.8
 176 85.8 0.0 170.4

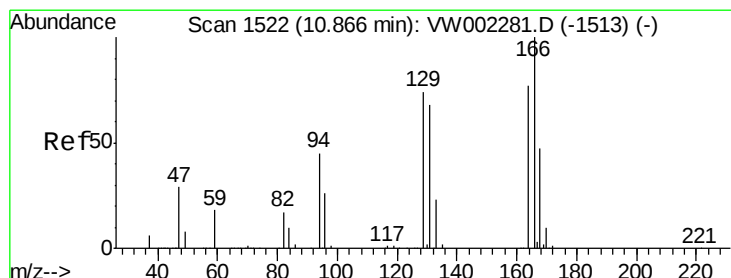
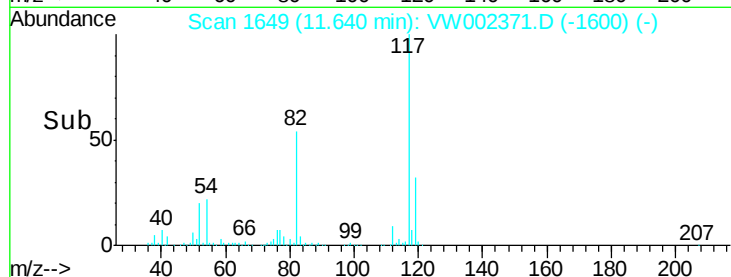
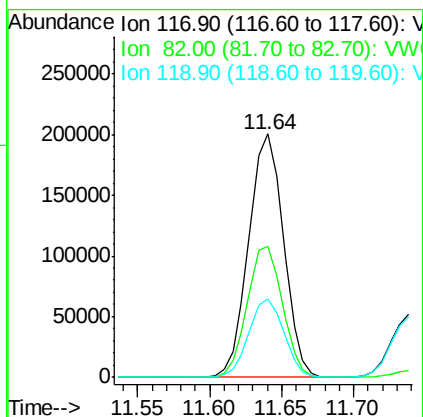
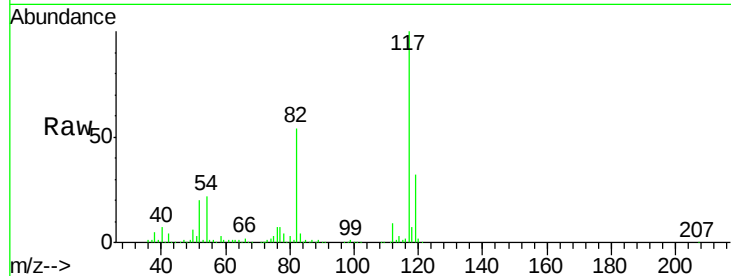




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

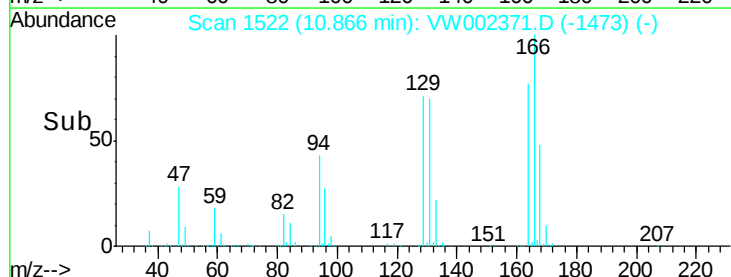
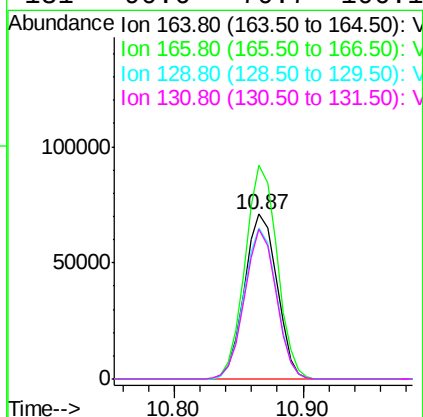
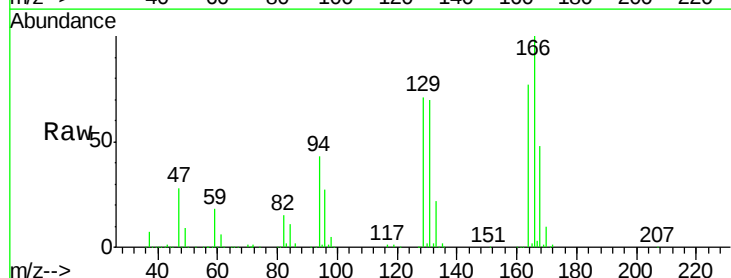
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

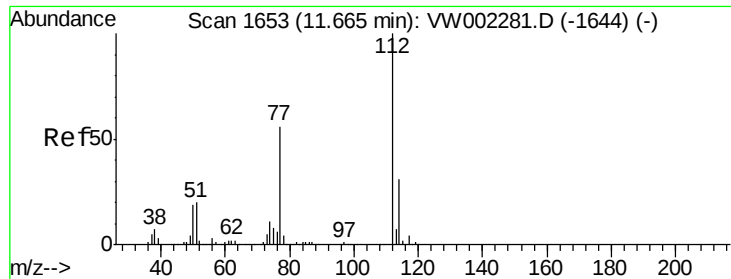
Tot Ion:117 Resp: 336002
Ion Ratio Lower Upper
117 100
82 53.9 42.6 63.8
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 47.80 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion:164 Resp: 123609
Ion Ratio Lower Upper
164 100
166 129.5 103.3 154.9
129 91.9 76.6 114.8
131 90.6 70.7 106.1

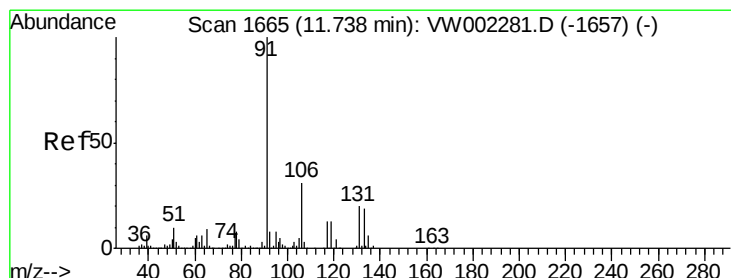
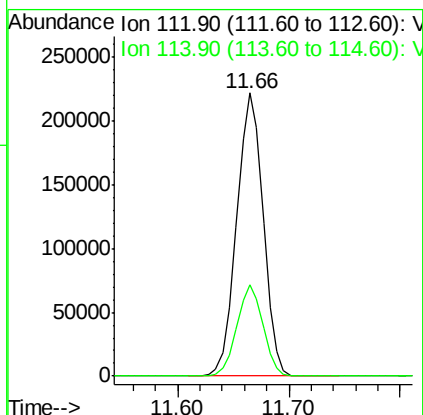
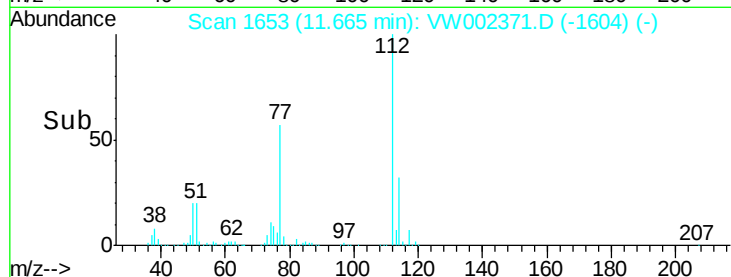
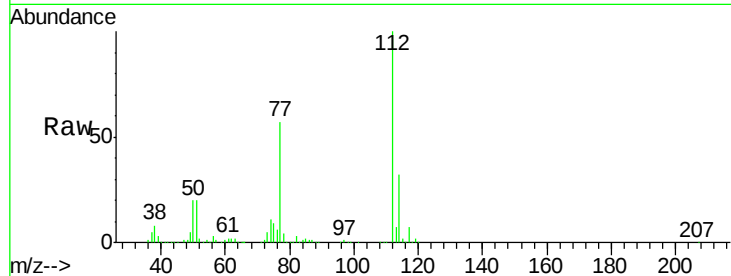




#65
Chlorobenzene
Concen: 53.13 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

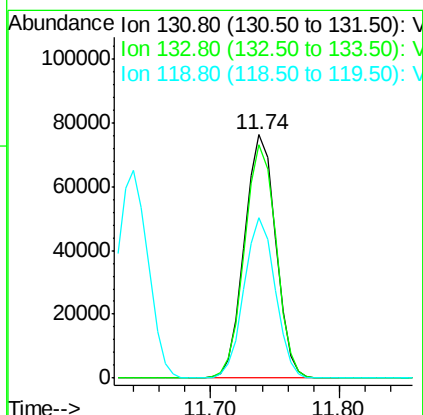
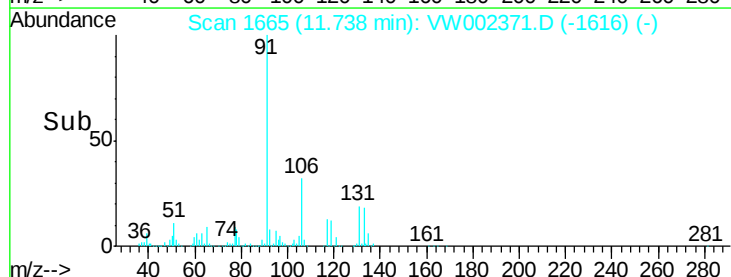
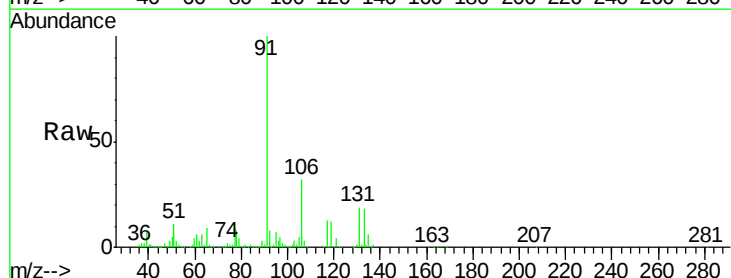
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

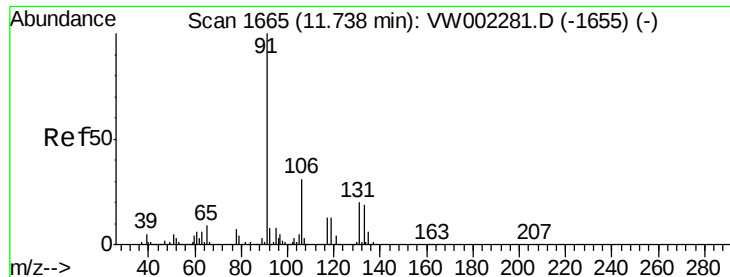
Tot Ion:112 Resp: 364786
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.19 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion:131 Resp: 127704
Ion Ratio Lower Upper
131 100
133 96.9 47.8 143.3
119 65.6 32.0 96.0

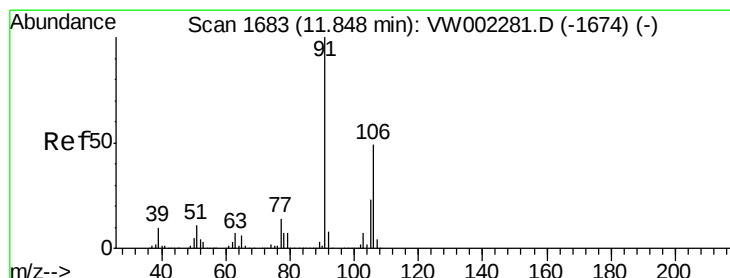
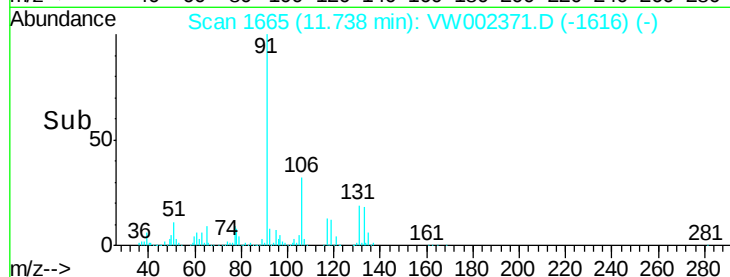
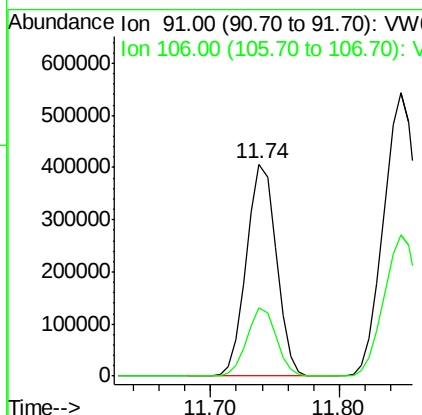
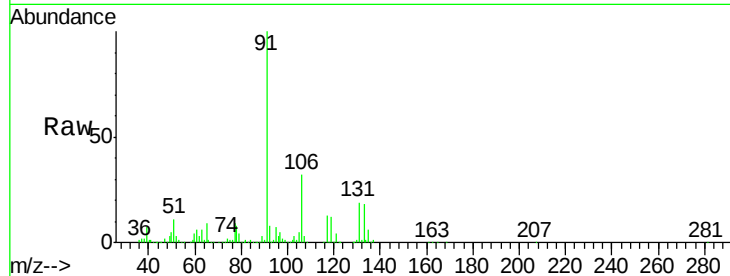




#67
Ethyl Benzene
Concen: 55.28 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

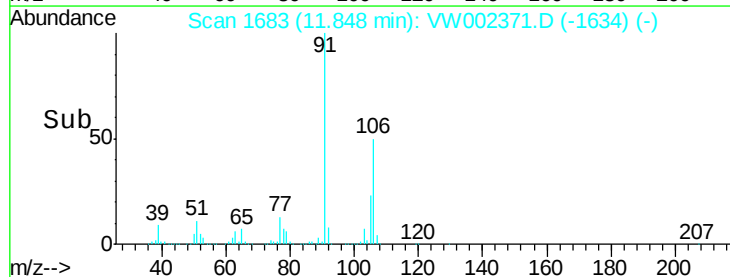
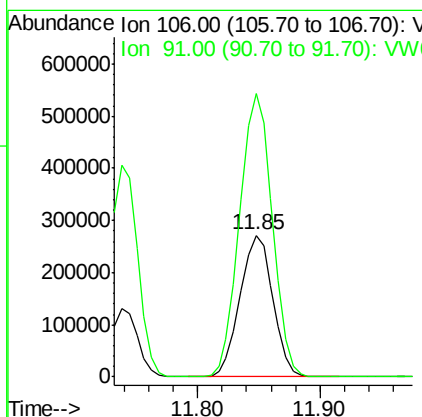
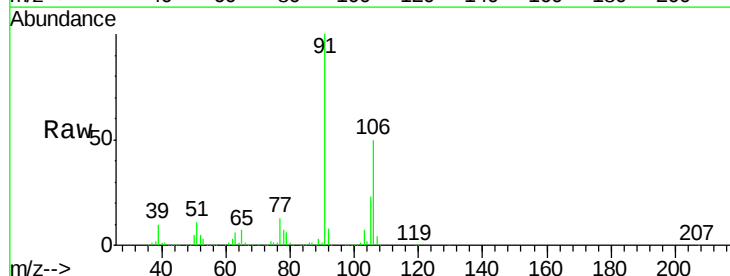
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

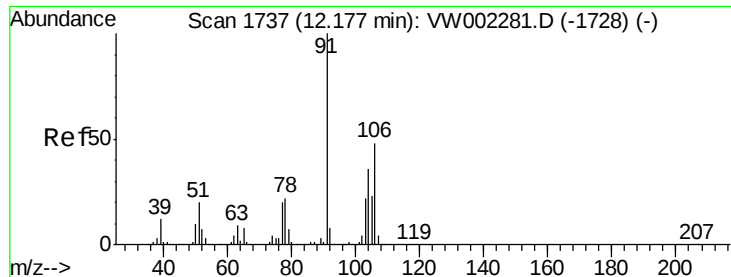
Tot Ion: 91 Resp: 652316
Ion Ratio Lower Upper
91 100
106 32.2 24.9 37.3



#68
m/p-Xylenes
Concen: 111.02 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion: 106 Resp: 505482
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.0

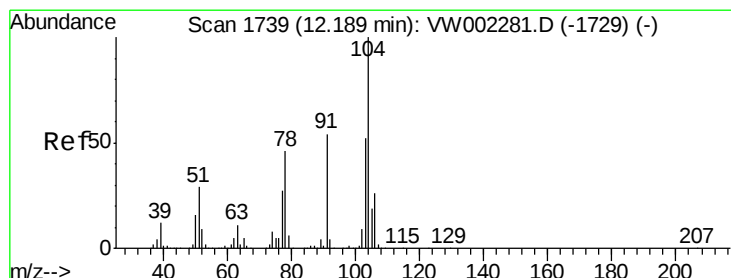
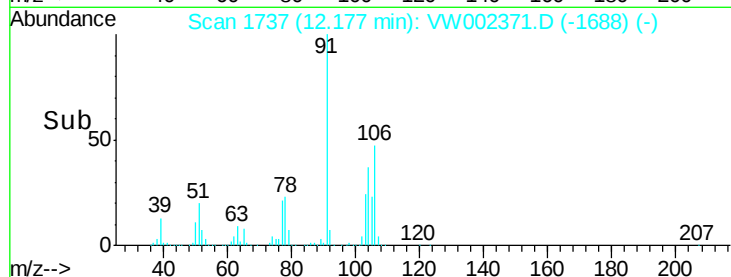
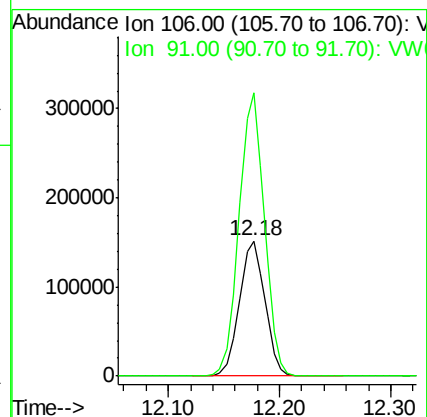
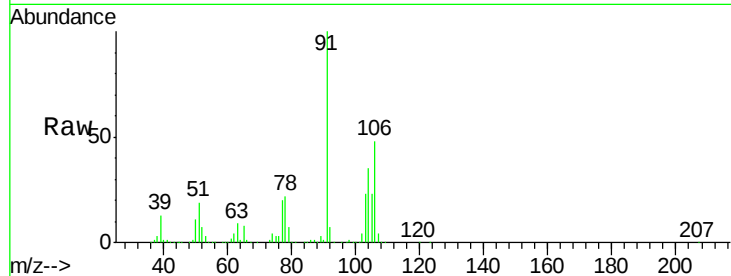




#69
o-Xylene
Concen: 55.42 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

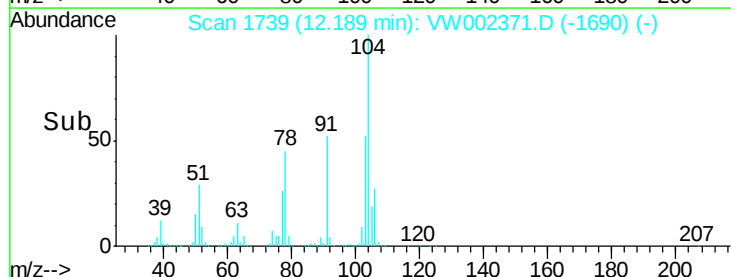
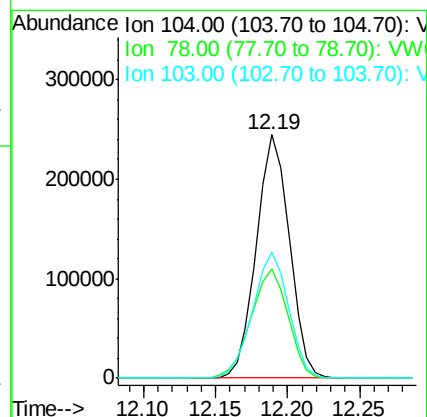
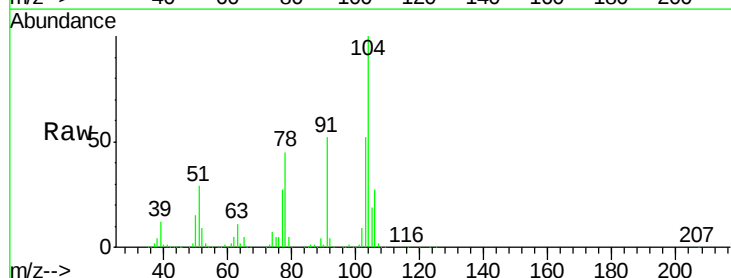
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

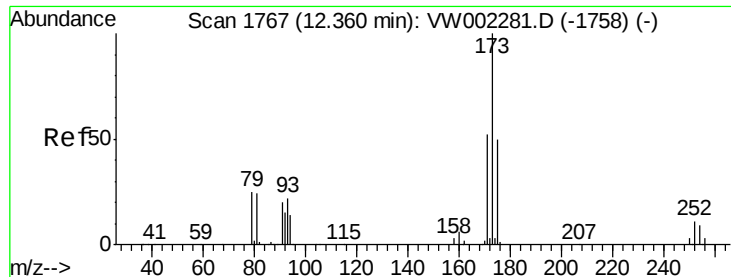
Tot Ion:106 Resp: 239995
Ion Ratio Lower Upper
106 100
91 207.7 107.1 321.1



#70
Styrene
Concen: 54.07 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion:104 Resp: 388761
Ion Ratio Lower Upper
104 100
78 50.1 39.6 59.4
103 56.3 44.4 66.6





#71

Bromoform

Concen: 47.41 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

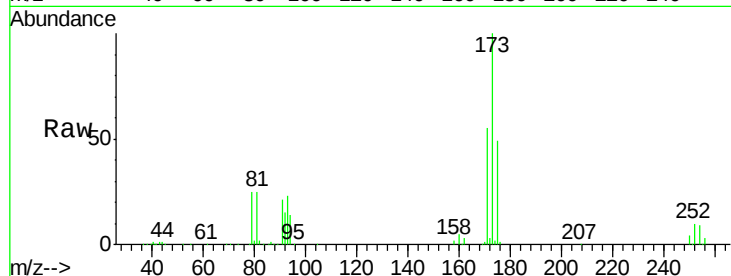
Tot Ion:173 Resp: 66532

Ion Ratio Lower Upper

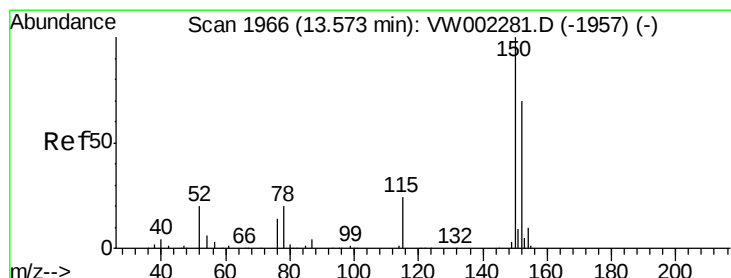
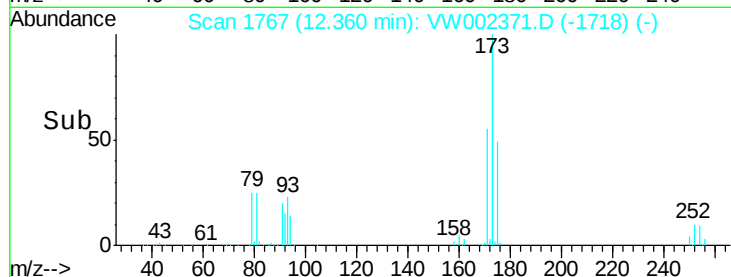
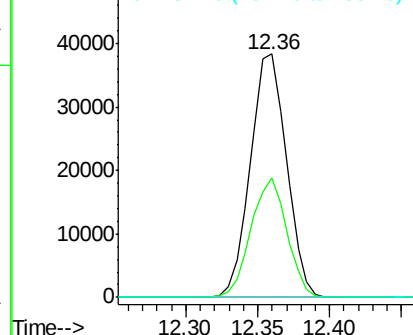
173 100

175 48.7 24.3 72.9

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

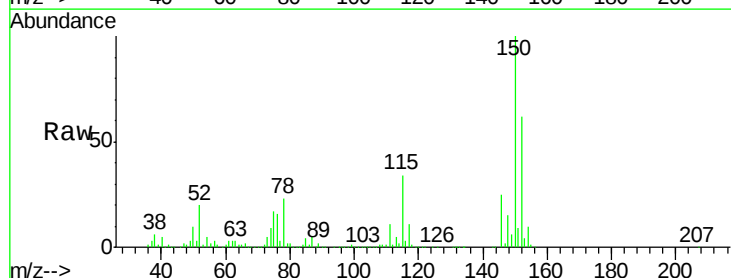
Tgt Ion:152 Resp: 180674

Ion Ratio Lower Upper

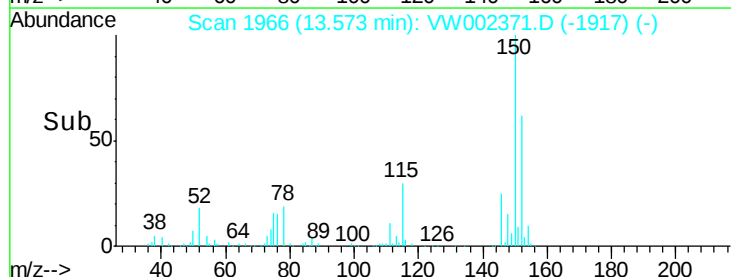
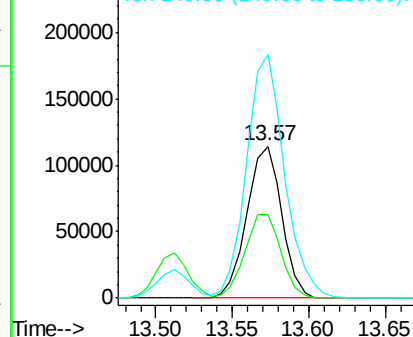
152 100

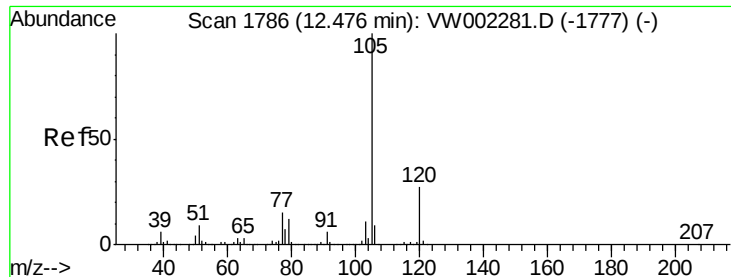
115 57.1 28.5 85.5

150 175.3 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.28 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

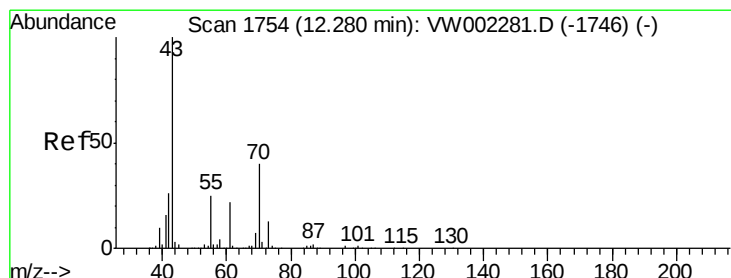
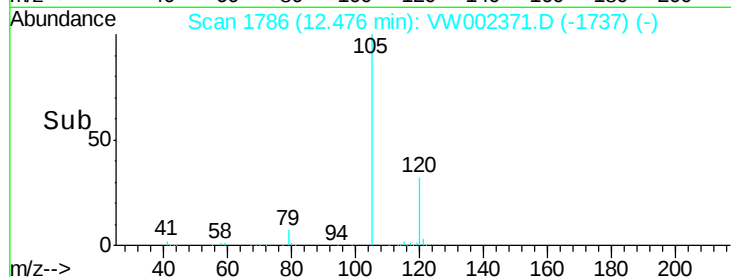
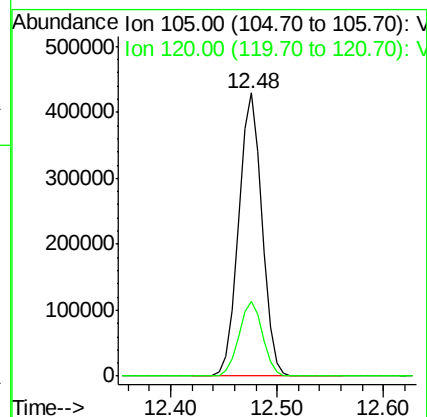
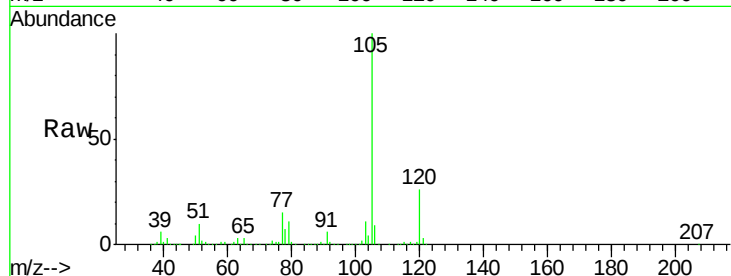
VSTDCCC050

Tot Ion:105 Resp: 660474

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 45.65 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Tgt Ion: 43 Resp: 134070

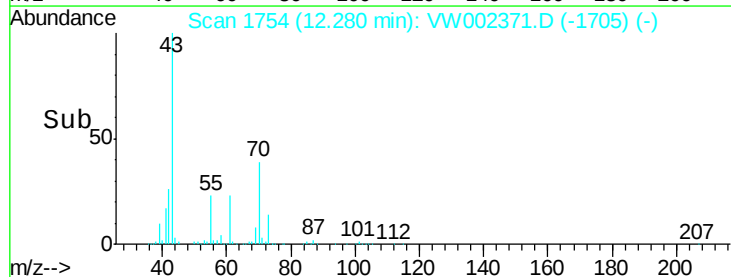
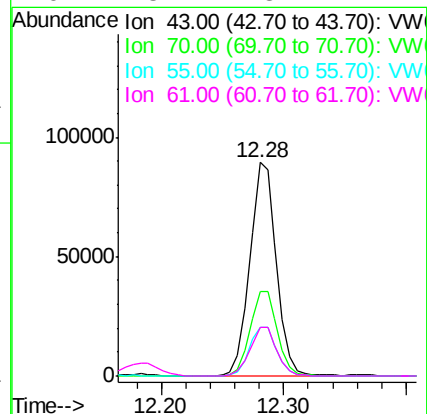
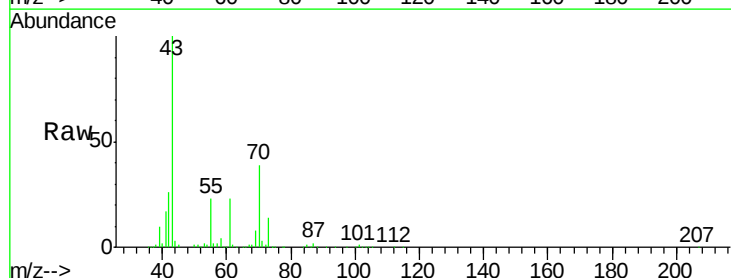
Ion Ratio Lower Upper

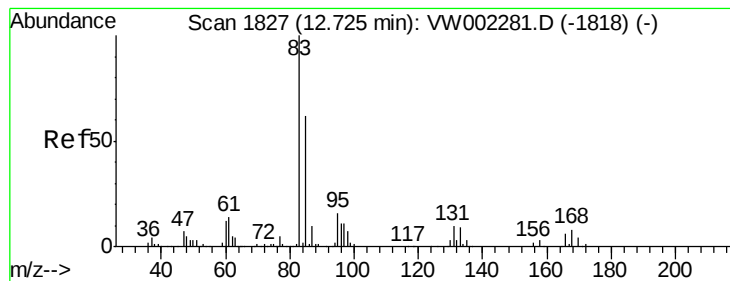
43 100

70 41.1 31.9 47.9

55 24.0 19.9 29.9

61 23.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.79 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

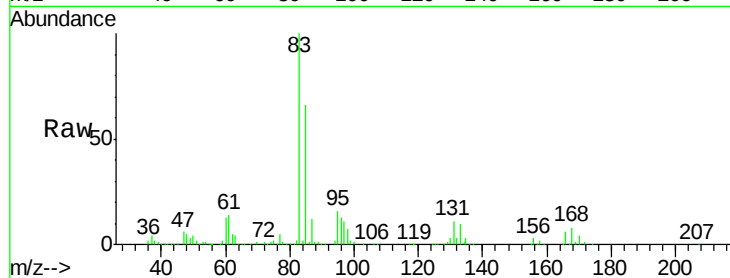
Tot Ion: 83 Resp: 103876

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.5

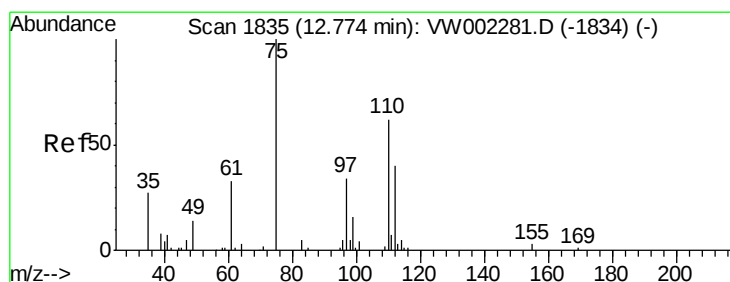
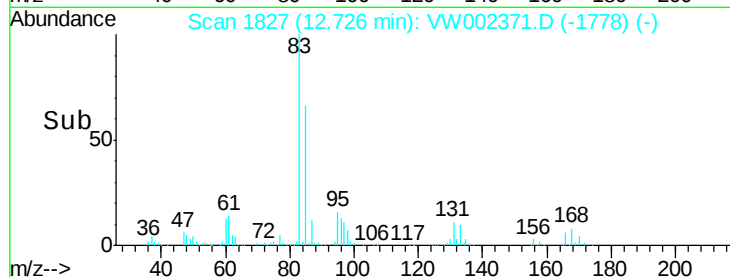
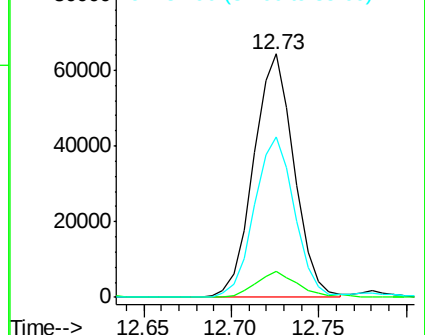
85 65.7 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.34 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW002371.D

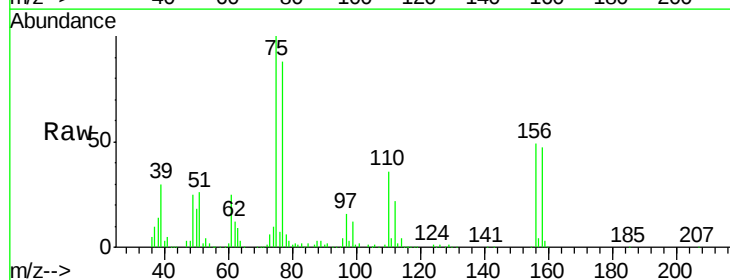
Acq: 10 May 2018 10:47

Tgt Ion: 75 Resp: 64637

Ion Ratio Lower Upper

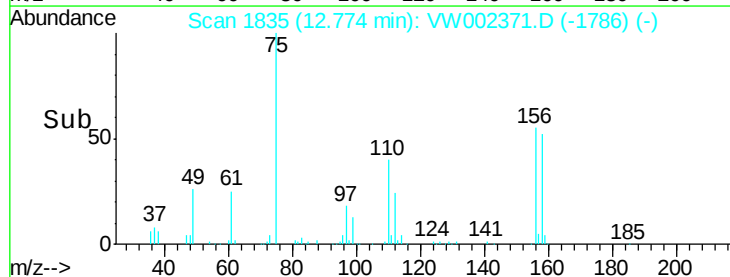
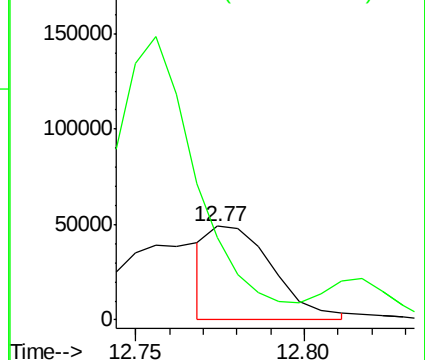
75 100

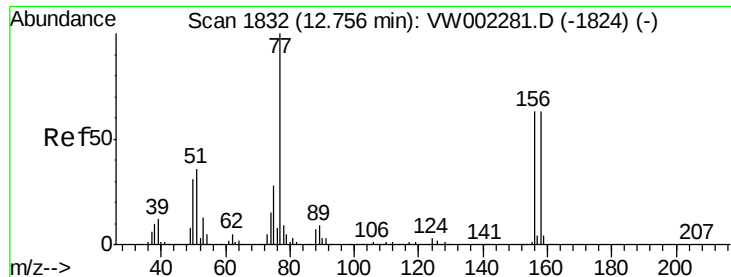
77 407.2 187.5 562.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.58 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

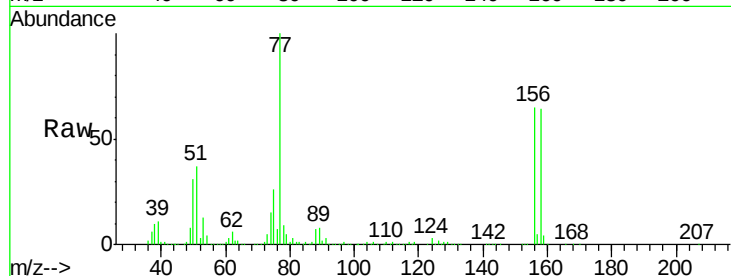
Tot Ion:156 Resp: 155546

Ion Ratio Lower Upper

156 100

77 169.2 87.7 263.1

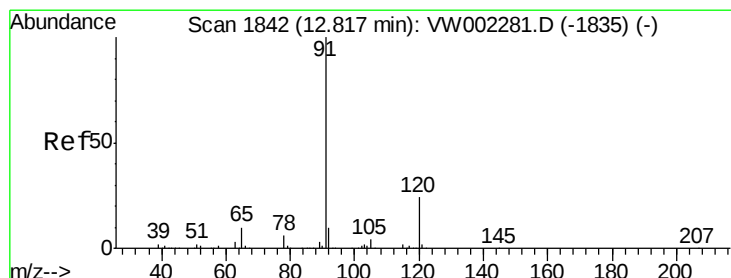
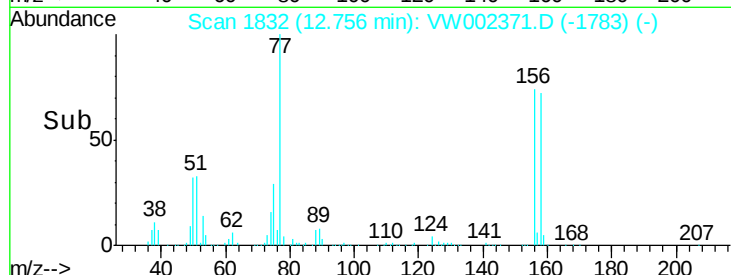
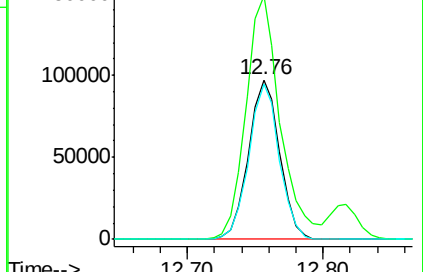
158 95.9 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.44 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002371.D

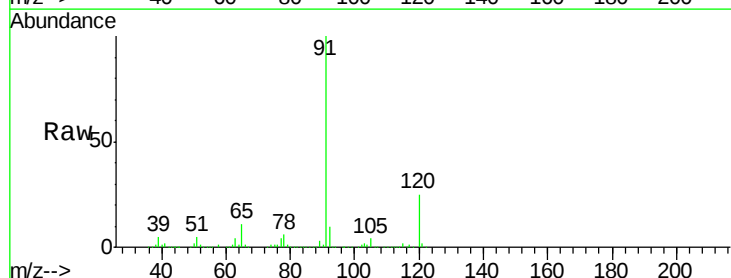
Acq: 10 May 2018 10:47

Tgt Ion: 91 Resp: 799149

Ion Ratio Lower Upper

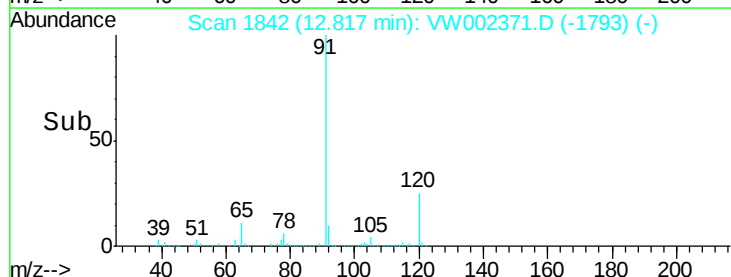
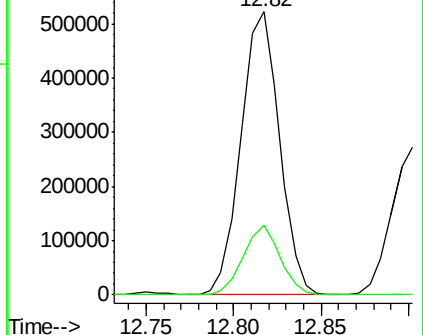
91 100

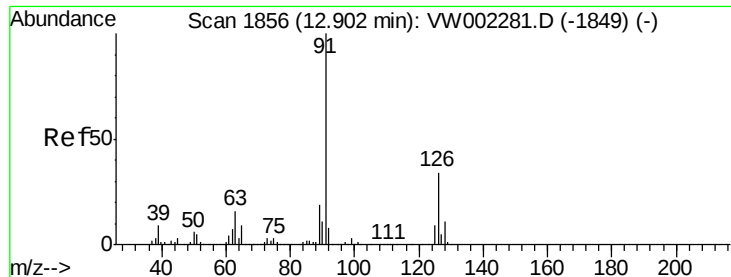
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.91 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

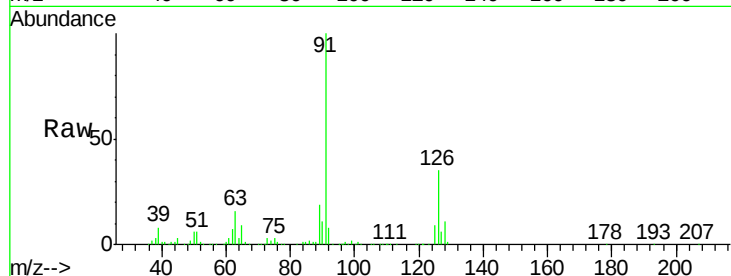
VSTDCCC050

Tot Ion: 91 Resp: 439878

Ion Ratio Lower Upper

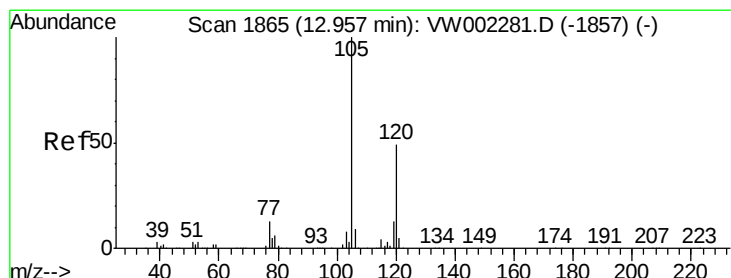
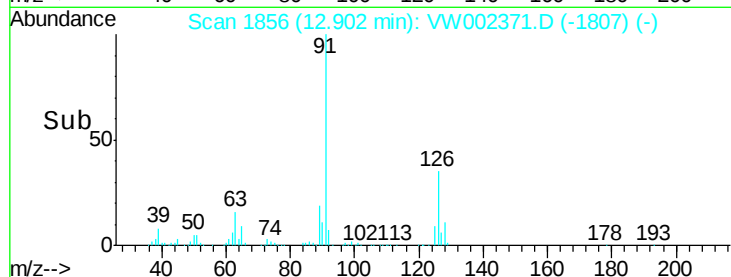
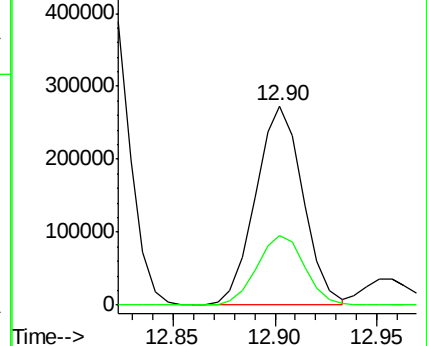
91 100

126 35.1 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.84 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW002371.D

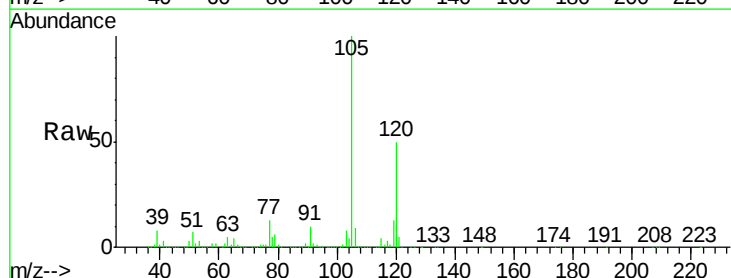
Acq: 10 May 2018 10:47

Tgt Ion:105 Resp: 551209

Ion Ratio Lower Upper

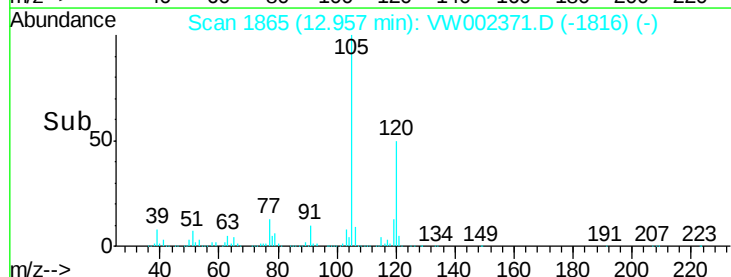
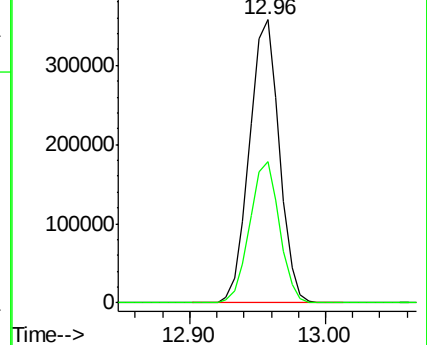
105 100

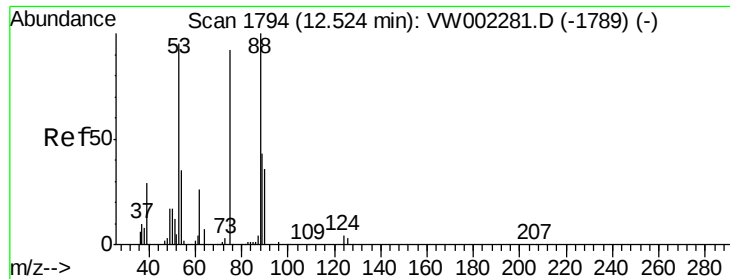
120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.42 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

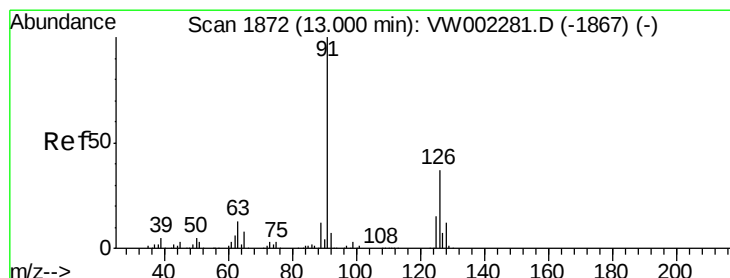
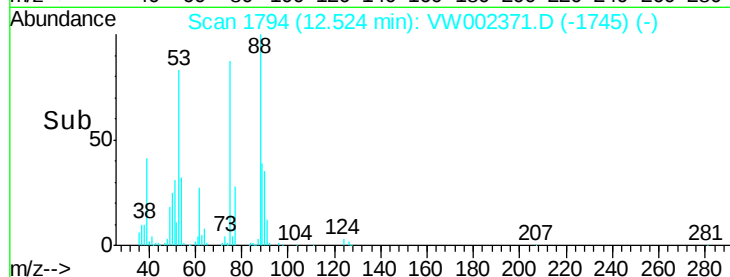
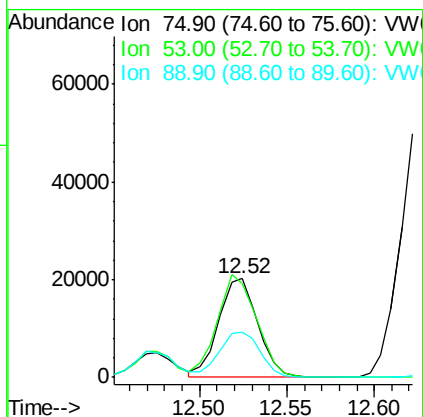
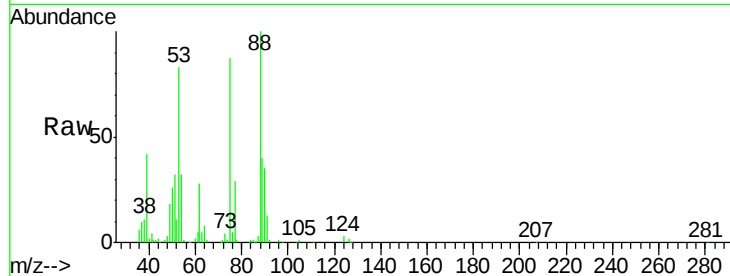
Tot Ion: 75 Resp: 31273

Ion Ratio Lower Upper

75 100

53 103.9 79.9 119.9

89 48.9 37.6 56.4



#82

4-Chlorotoluene

Concen: 54.73 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002371.D

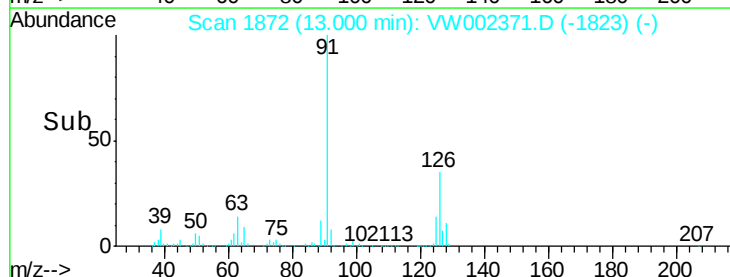
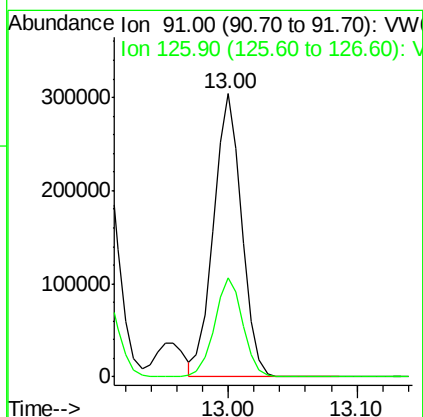
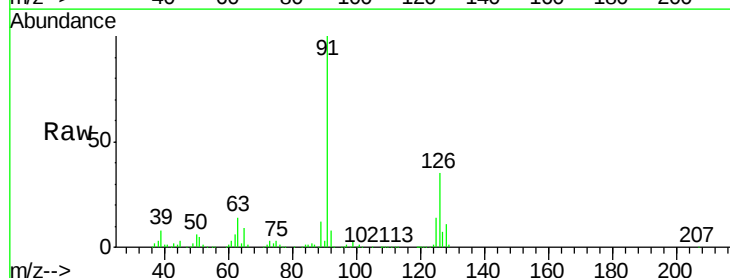
Acq: 10 May 2018 10:47

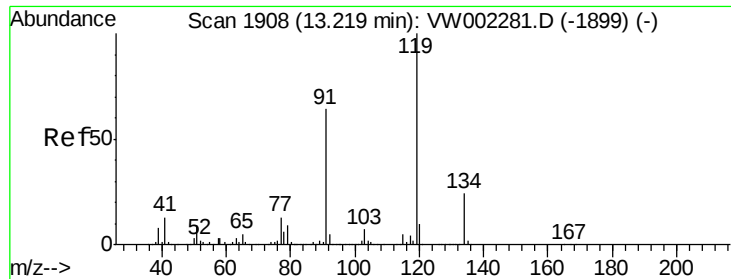
Tgt Ion: 91 Resp: 466285

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3

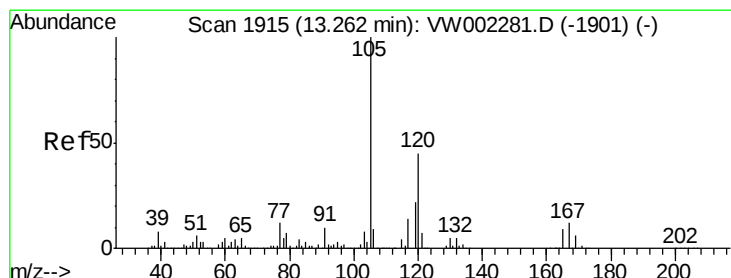
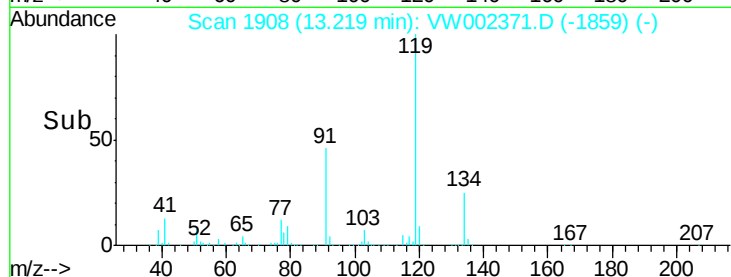
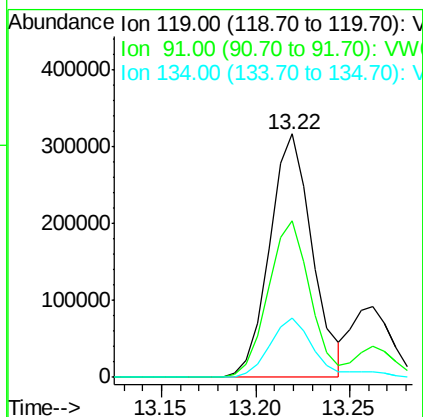
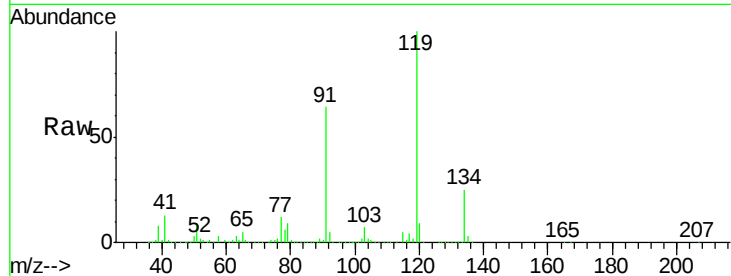




#83
 tert-Butylbenzene
 Concen: 58.40 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

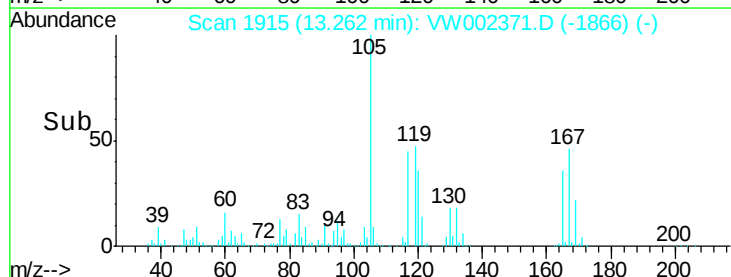
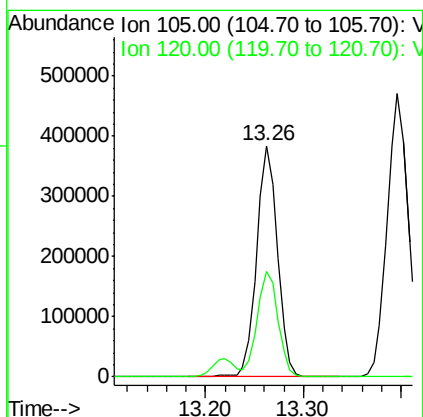
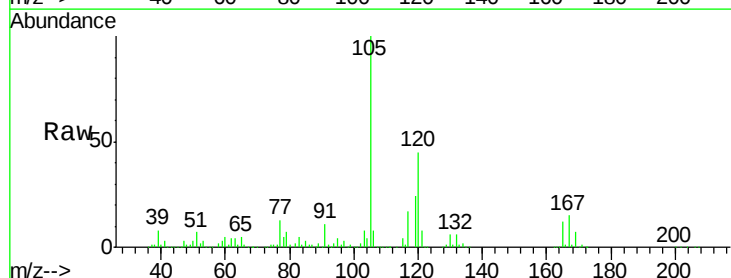
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

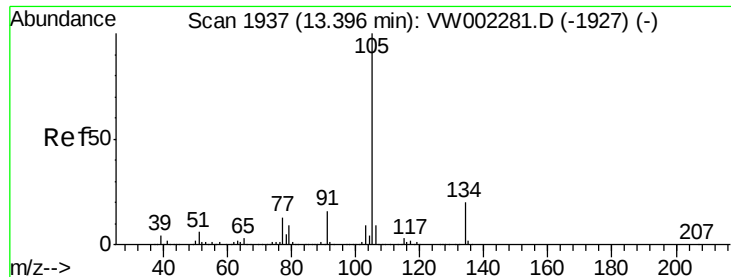
Tot Ion:119 Resp: 496346
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.6 94.8
 134 26.1 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.74 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion:105 Resp: 570504
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.5 67.5

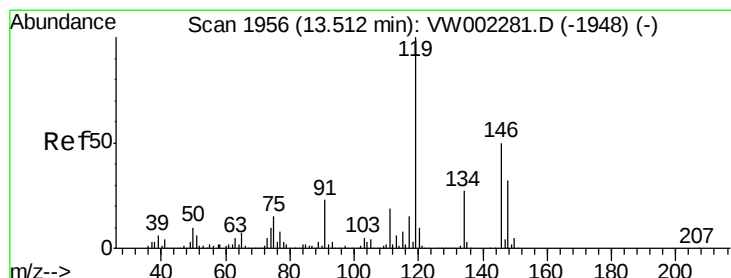
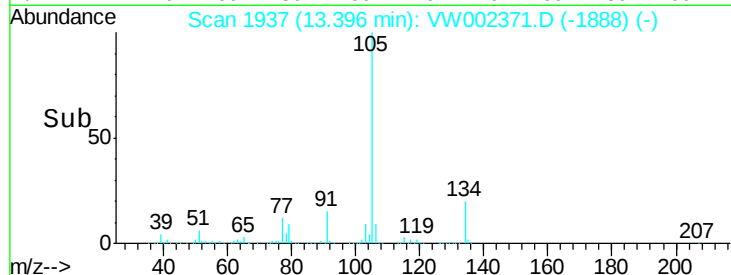
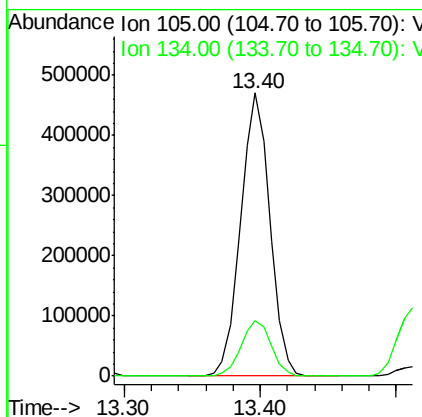
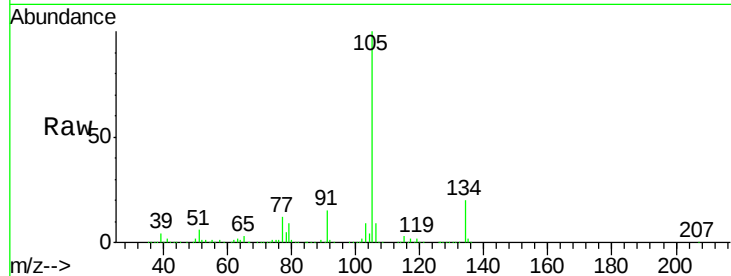




#85
 sec-Butylbenzene
 Concen: 58.21 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

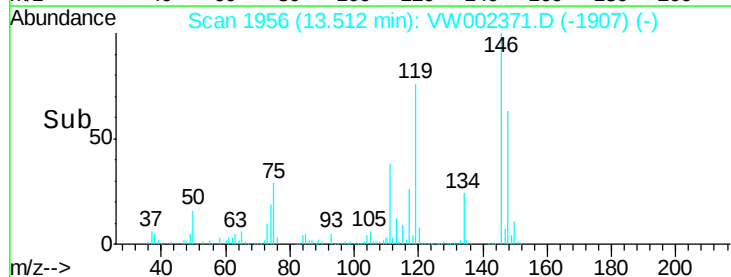
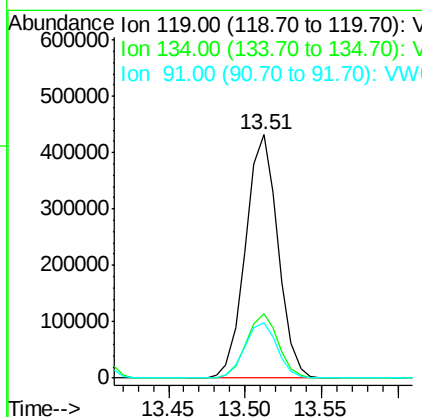
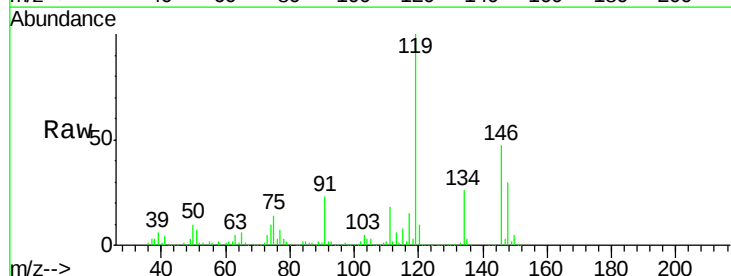
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

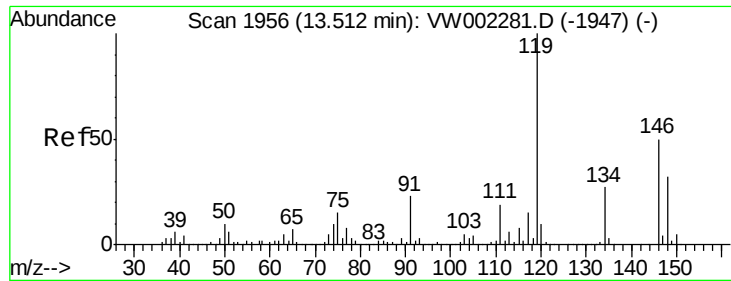
Tot Ion:105 Resp: 706332
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 58.32 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion:119 Resp: 632717
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 23.2 11.8 35.3

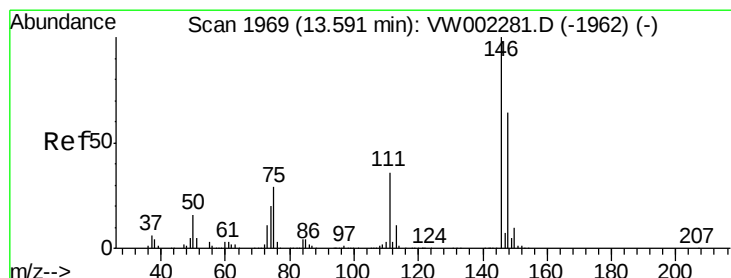
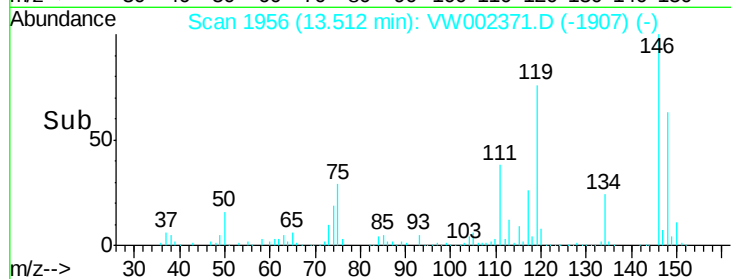
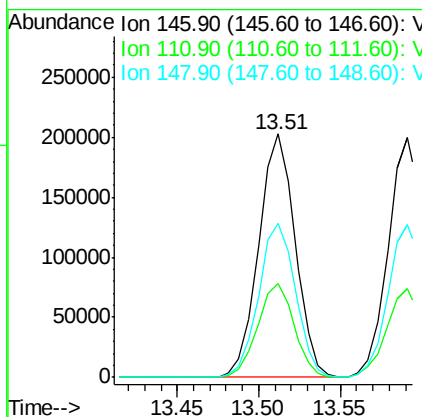
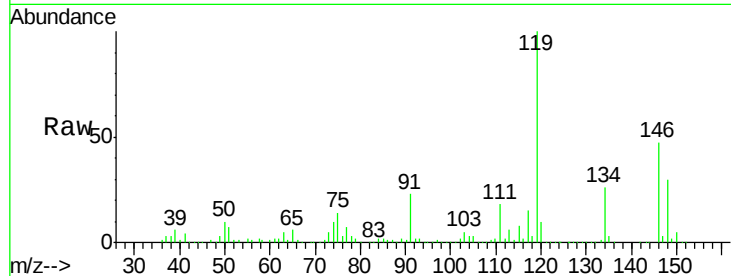




#87
 1,3-Dichlorobenzene
 Concen: 53.60 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

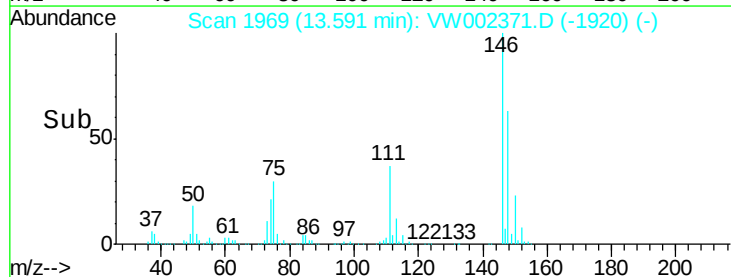
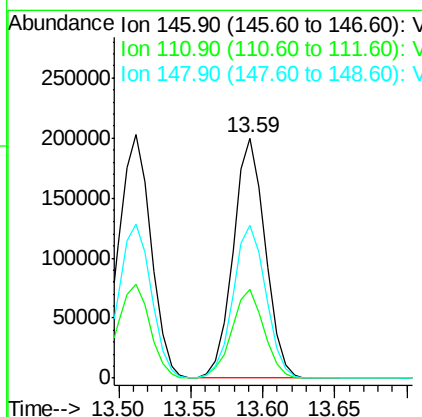
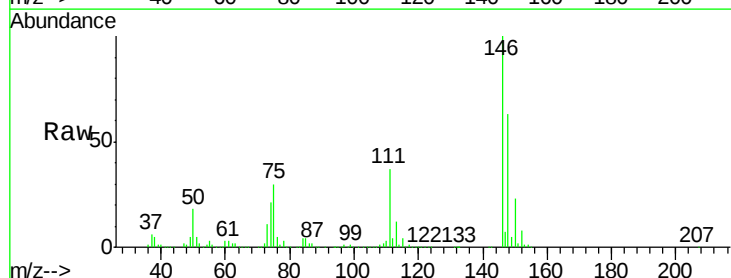
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

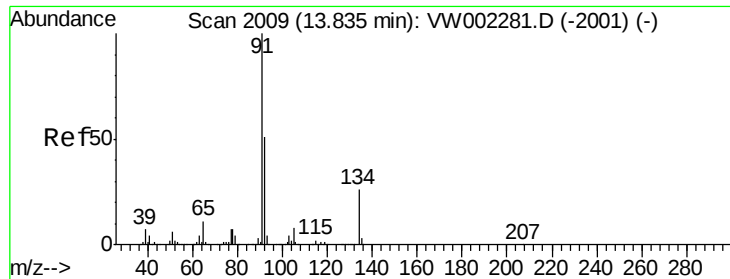
Tot Ion:146 Resp: 313885
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.8
 148 64.0 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 52.95 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion:146 Resp: 309536
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.0 57.0
 148 65.1 32.3 96.9





#89

n-Butylbenzene

Concen: 59.46 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

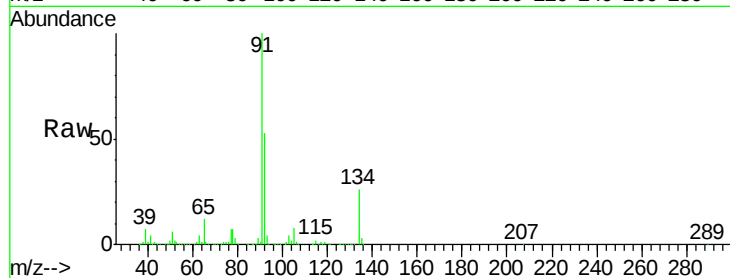
Tot Ion: 91 Resp: 603697

Ion Ratio Lower Upper

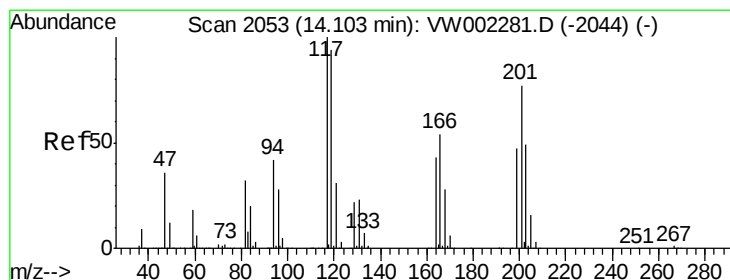
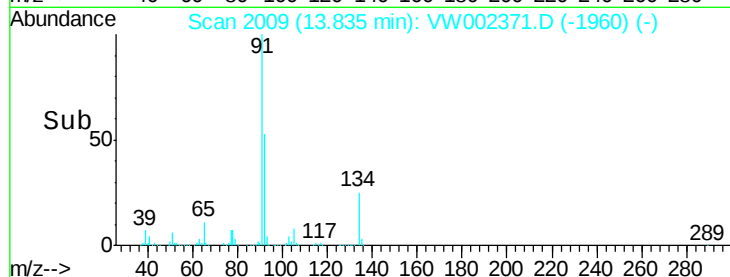
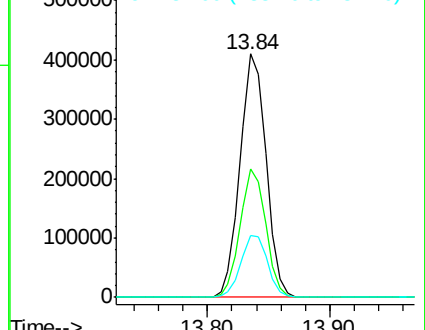
91 100

92 51.9 25.9 77.8

134 26.0 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.53 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW002371.D

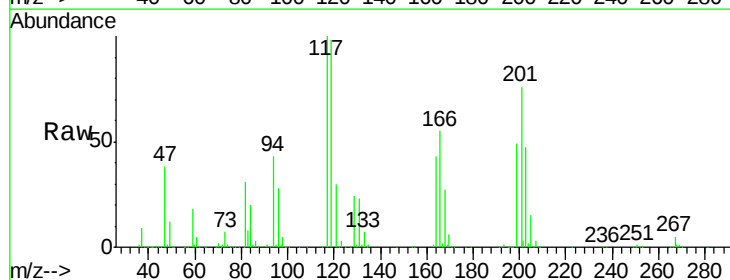
Acq: 10 May 2018 10:47

Tgt Ion: 117 Resp: 107737

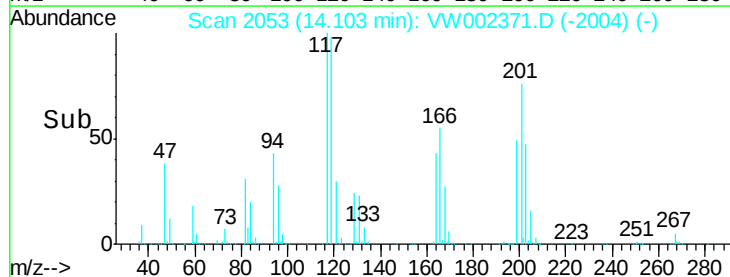
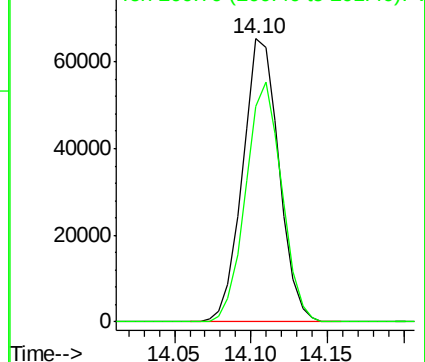
Ion Ratio Lower Upper

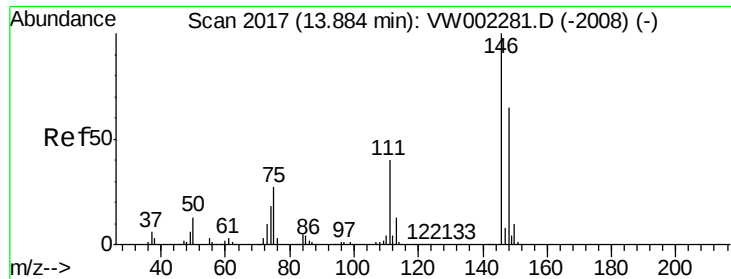
117 100

201 83.8 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.99 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

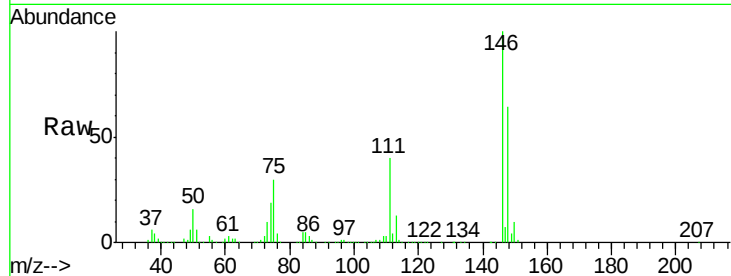
Tot Ion:146 Resp: 276252

Ion Ratio Lower Upper

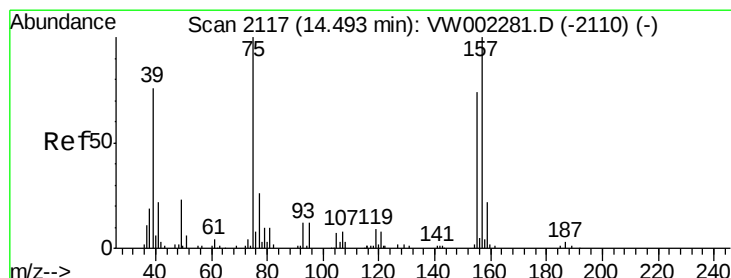
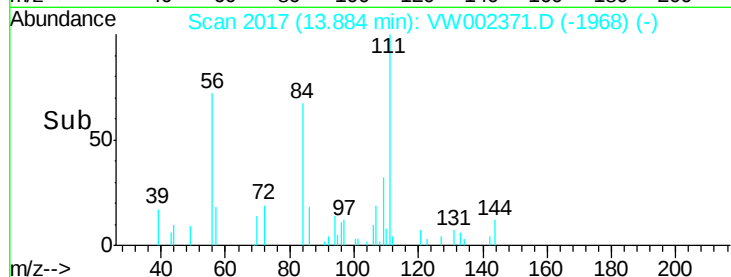
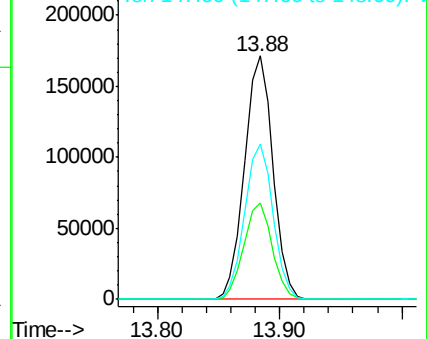
146 100

111 39.5 20.0 59.9

148 64.0 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.93 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002371.D

Acq: 10 May 2018 10:47

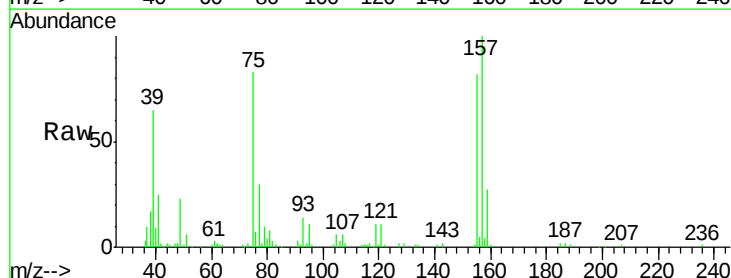
Tgt Ion: 75 Resp: 16835

Ion Ratio Lower Upper

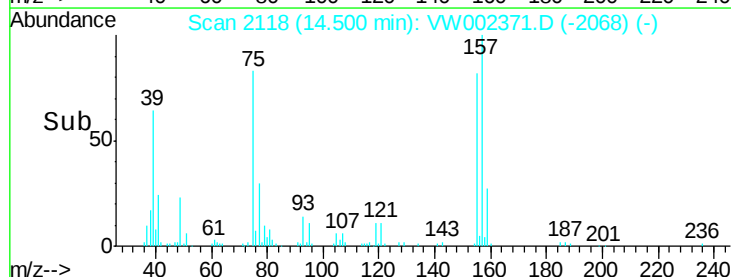
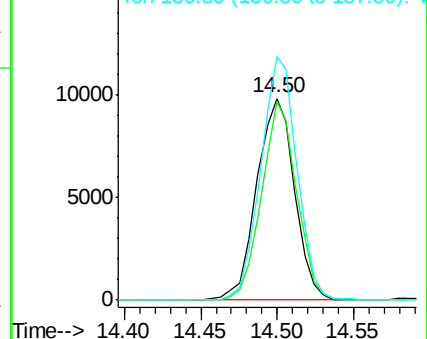
75 100

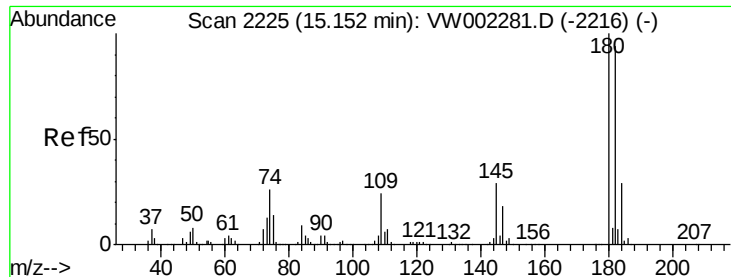
155 91.5 43.3 129.8

157 116.3 55.8 167.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

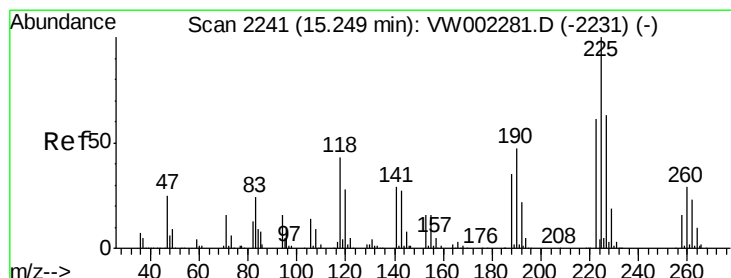
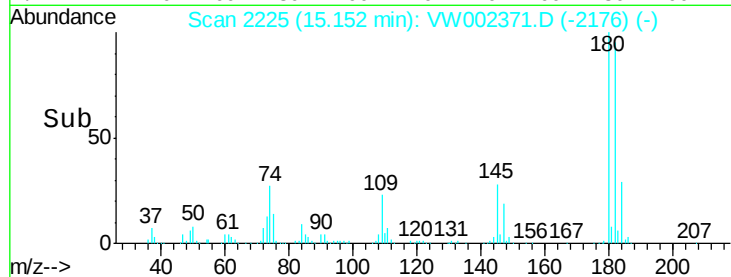
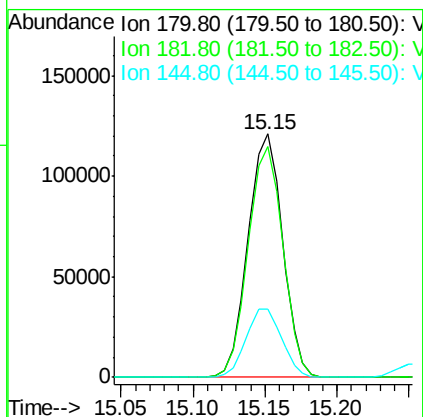
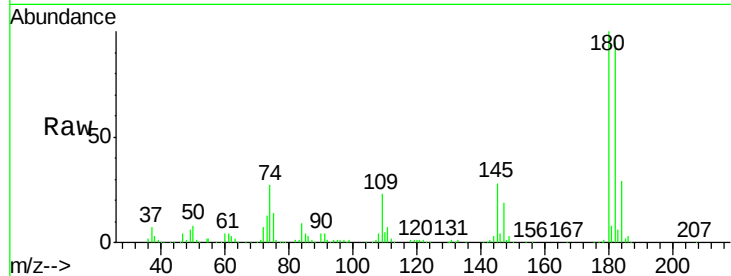




#93
 1,2,4-Trichlorobenzene
 Concen: 52.84 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

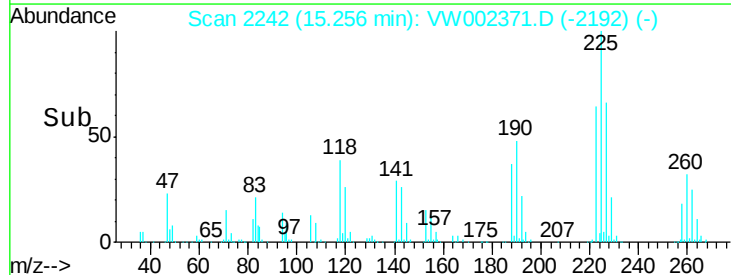
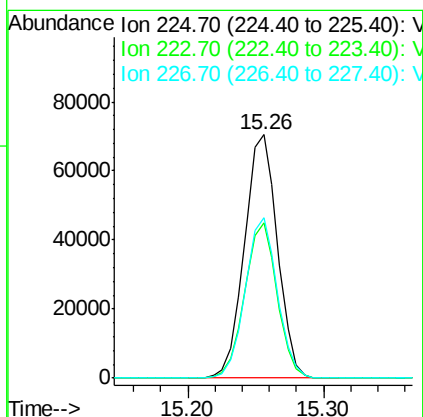
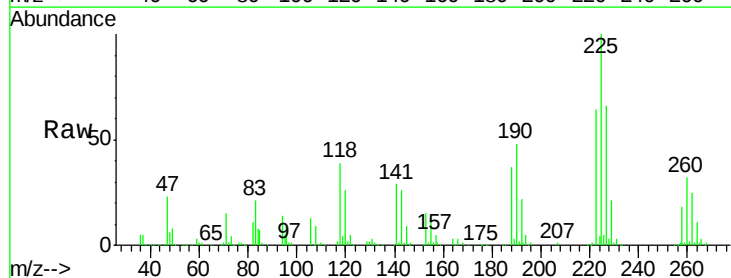
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

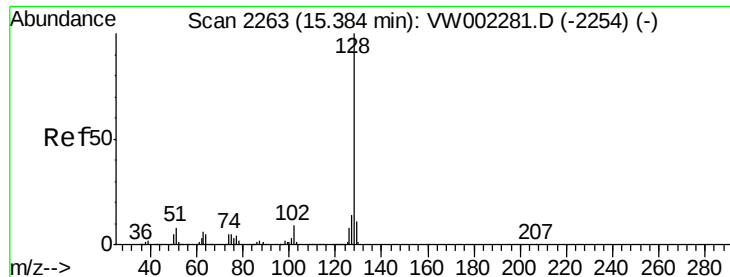
Tot Ion:180 Resp: 200696
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 141.8
 145 29.2 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 56.53 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002371.D
 Acq: 10 May 2018 10:47

Tgt Ion:225 Resp: 119606
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.7
 227 64.1 32.0 96.0

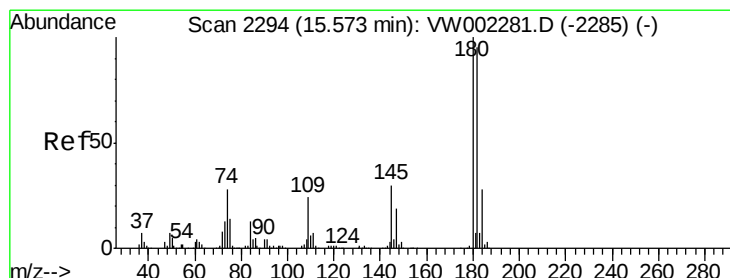
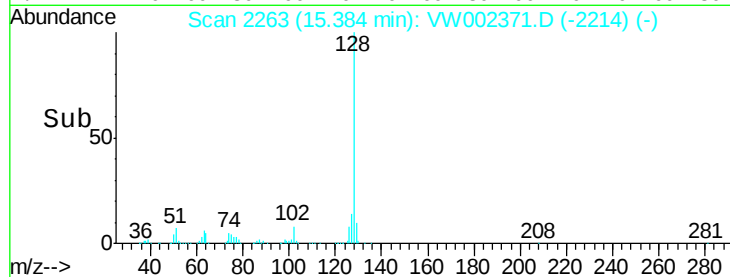
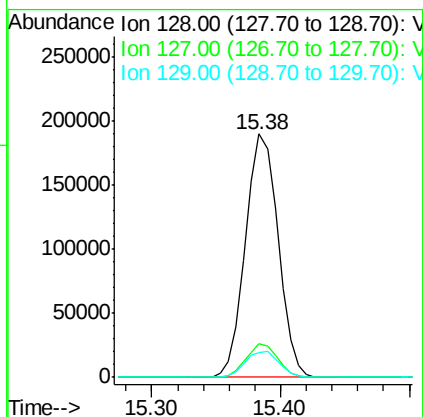
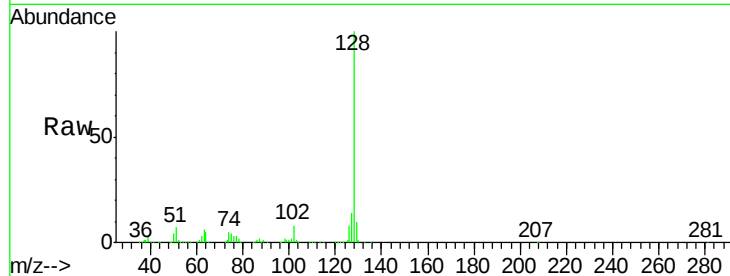




#95
Naphthalene
Concen: 47.86 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 334191
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.12 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VW002371.D
Acq: 10 May 2018 10:47

Tgt Ion:180 Resp: 170701
Ion Ratio Lower Upper
180 100
182 96.1 48.0 144.0
145 30.7 15.7 47.0

