

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002280.D
 Acq On : 08 May 2018 00:36
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: May 08 03:28:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:17:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	372736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	346564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	185491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	49298	23.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	47.00%	
35) Dibromofluoromethane	7.88	113	46572	19.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.82%	
50) Toluene-d8	10.33	98	175211	20.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.16%	
62) 4-Bromofluorobenzene	12.63	95	61977	18.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	13777	7.39	ug/l	94
3) Chloromethane	2.21	50	34328	19.58	ug/l	99
4) Vinyl Chloride	2.35	62	56166	28.53	ug/l	97
5) Bromomethane	2.76	94	47658	30.41	ug/l	98
6) Chloroethane	2.92	64	38975	32.77	ug/l	98
7) Trichlorofluoromethane	3.24	101	23138	7.05	ug/l	95
8) Diethyl Ether	3.67	74	24577	26.18	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	43235	19.69	ug/l	97
10) Methyl Iodide	4.26	142	70163	28.58	ug/l	100
11) Tert butyl alcohol	5.18	59	18359	140.66	ug/l #	93
12) 1,1-Dichloroethene	4.02	96	41774	22.01	ug/l	96
13) Acrolein	3.89	56	15541	147.61	ug/l	96
14) Allyl chloride	4.65	41	59289	25.08	ug/l	99
15) Acrylonitrile	5.37	53	52788	148.67	ug/l	97
16) Acetone	4.12	43	48287	115.64	ug/l	94
17) Carbon Disulfide	4.37	76	122457	20.56	ug/l	99
18) Methyl Acetate	4.67	43	28127	30.64	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	73989	19.21	ug/l	100
20) Methylene Chloride	4.90	84	48265	20.46	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	45718	21.59	ug/l	98
22) Diisopropyl ether	6.31	45	136006	28.81	ug/l	97
23) Vinyl Acetate	6.25	43	405349	161.29	ug/l	99
24) 1,1-Dichloroethane	6.21	63	84028	24.40	ug/l	97
25) 2-Butanone	7.17	43	72712	156.45	ug/l	95
26) 2,2-Dichloropropane	7.17	77	41402	12.86	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	53339	23.80	ug/l	97
28) Bromochloromethane	7.51	49	37918	31.35	ug/l #	99
29) Tetrahydrofuran	7.52	42	45773	169.40	ug/l	99
30) Chloroform	7.67	83	88431	22.20	ug/l	98
31) Cyclohexane	7.95	56	72211	23.14	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	64719	16.93	ug/l	98
36) 1,1-Dichloropropene	8.08	75	66739	19.34	ug/l	99
37) Ethyl Acetate	7.26	43	31273	28.55	ug/l	98
38) Carbon Tetrachloride	8.07	117	63319	15.17	ug/l	96

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39) Methylcyclohexane	9.34	83	76170	19.39	ug/l	100
40) Benzene	8.32	78	195373	20.51	ug/l	97
41) Methacrylonitrile	7.49	41	20185	33.24	ug/l	99
42) 1,2-Dichloroethane	8.40	62	60597	20.63	ug/l	100
43) Isopropyl Acetate	8.43	43	59123	27.20	ug/l	100
44) Trichloroethene	9.09	130	51698	17.19	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47904	22.07	ug/l	97
46) Dibromomethane	9.46	93	26799	21.68	ug/l	99
47) Bromodichloromethane	9.65	83	63425	19.16	ug/l	99
48) Methyl methacrylate	9.44	41	28161	26.76	ug/l	99
49) 1,4-Dioxane	9.45	88	8304	437.66	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	164541	150.52	ug/l	99
52) Toluene	10.39	92	123079	19.59	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	61598	20.61	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	71079	20.74	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38126	21.02	ug/l	98
56) Ethyl methacrylate	10.65	69	44989	23.97	ug/l	98
57) 1,3-Dichloropropane	10.94	76	64882	22.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	113654	139.09	ug/l	98
59) 2-Hexanone	10.98	43	110519	141.02	ug/l	99
60) Dibromochloromethane	11.13	129	44081	18.06	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36497	21.70	ug/l	96
64) Tetrachloroethene	10.87	164	54175	18.35	ug/l	96
65) Chlorobenzene	11.66	112	139241	18.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	48247	17.29	ug/l	99
67) Ethyl Benzene	11.74	91	237722	19.78	ug/l	98
68) m/p-Xylenes	11.85	106	183257	37.88	ug/l	100
69) o-Xylene	12.18	106	87485	20.09	ug/l	99
70) Styrene	12.19	104	143699	19.82	ug/l	99
71) Bromoform	12.36	173	27397	17.84	ug/l	# 98
73) Isopropylbenzene	12.48	105	233277	20.33	ug/l	100
74) N-amyl acetate	12.28	43	57704	31.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	45451	26.01	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	35750m	28.47	ug/l	
77) Bromobenzene	12.76	156	60531	20.17	ug/l	99
78) n-propylbenzene	12.82	91	280790	20.93	ug/l	99
79) 2-Chlorotoluene	12.90	91	163914	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	202115	20.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11753	25.16	ug/l	91
82) 4-Chlorotoluene	13.00	91	172102	19.37	ug/l	99
83) tert-Butylbenzene	13.22	119	171171	19.47	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	208136	20.22	ug/l	100
85) sec-Butylbenzene	13.40	105	244220	20.03	ug/l	100
86) p-Isopropyltoluene	13.51	119	219000	19.54	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	118521	19.27	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	120367	19.62	ug/l	99
89) n-Butylbenzene	13.83	91	206399	20.56	ug/l	98
90) Hexachloroethane	14.11	117	38873	17.87	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	108061	20.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7857	24.00	ug/l	97

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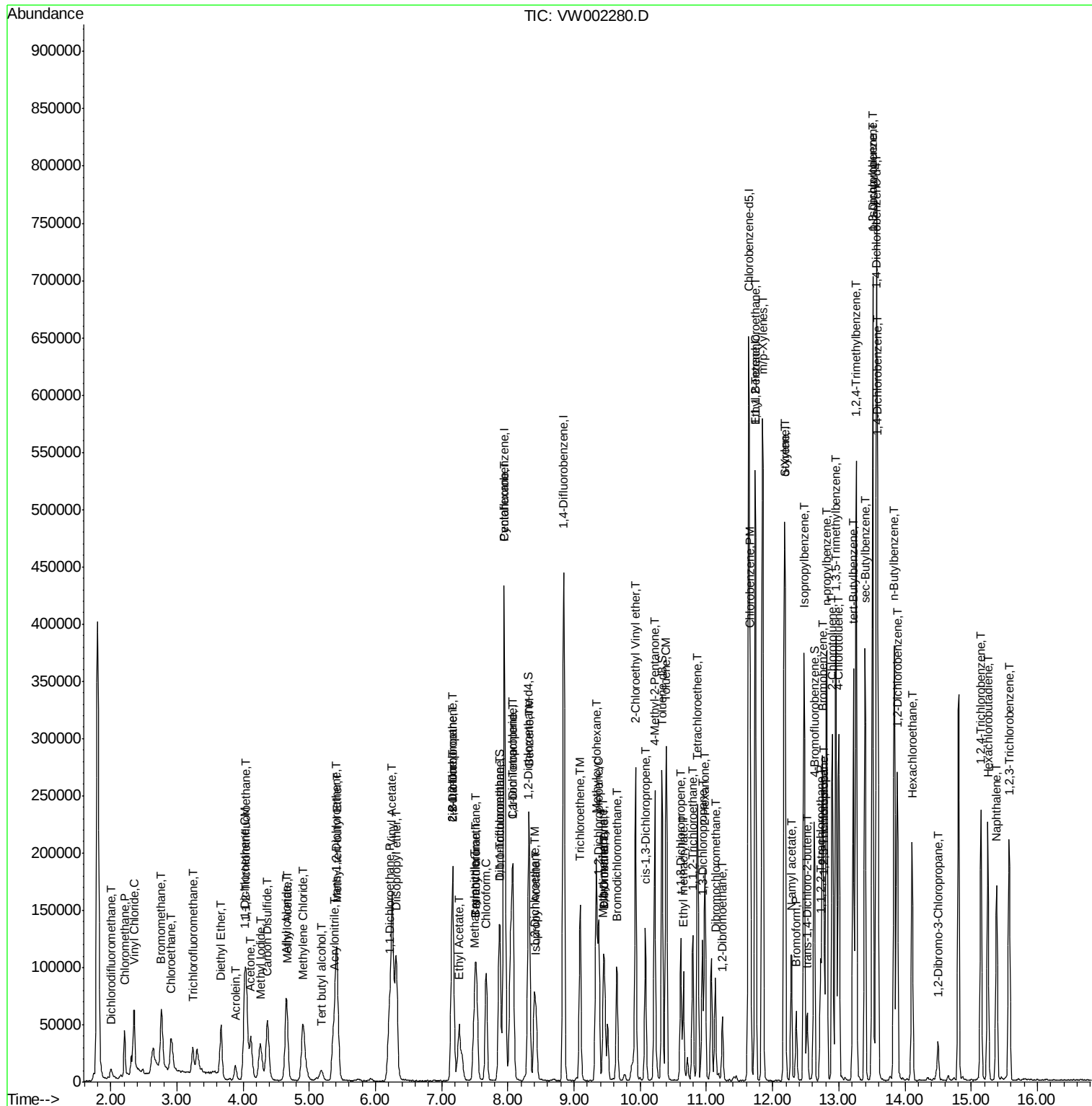
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	79652	20.28	ug/l	100
94) Hexachlorobutadiene	15.25	225	43774	15.99	ug/l	99
95) Naphthalene	15.38	128	142062	24.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	70736	21.07	ug/l	98

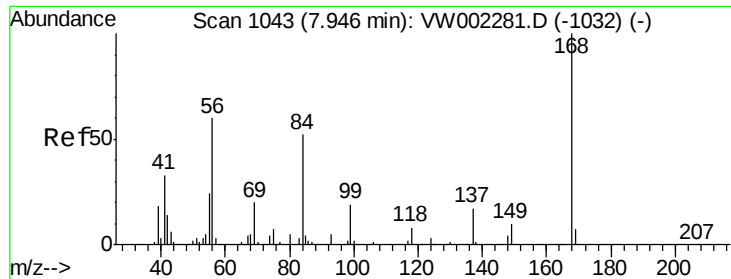
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

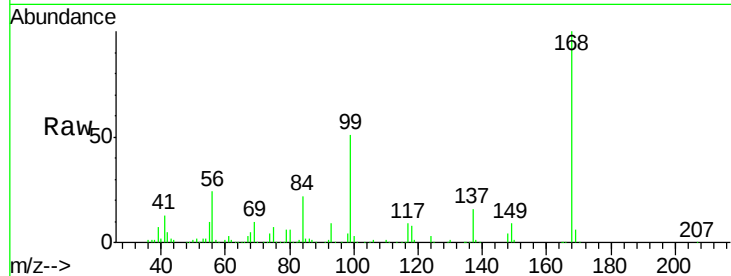
VSTDIC020

Tot Ion:168 Resp: 242007

Ion Ratio Lower Upper

168 100

99 51.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

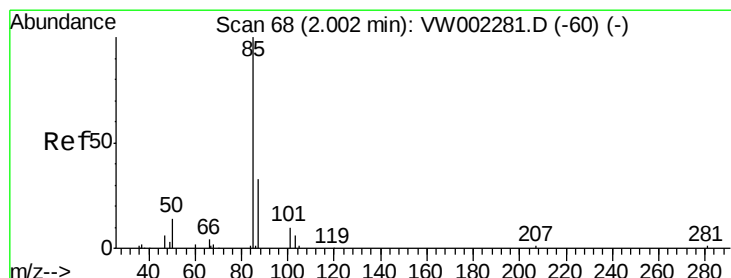
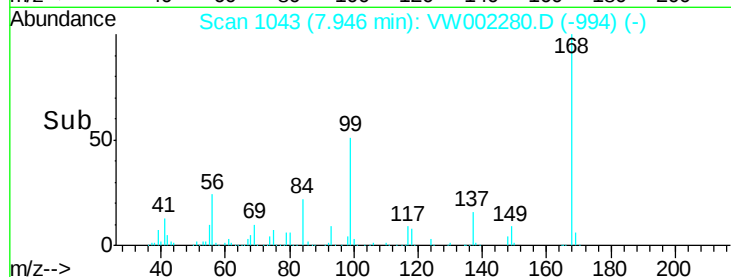
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.39 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002280.D

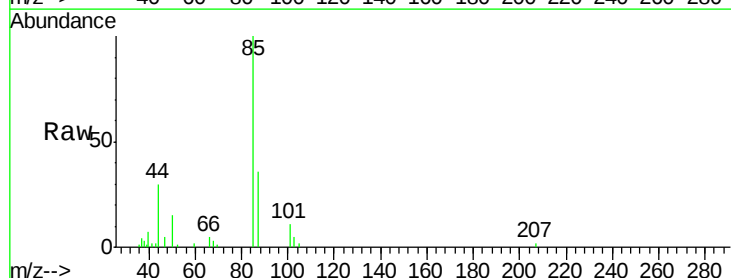
Acq: 08 May 2018 00:36

Tgt Ion: 85 Resp: 13777

Ion Ratio Lower Upper

85 100

87 36.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

5000

4000

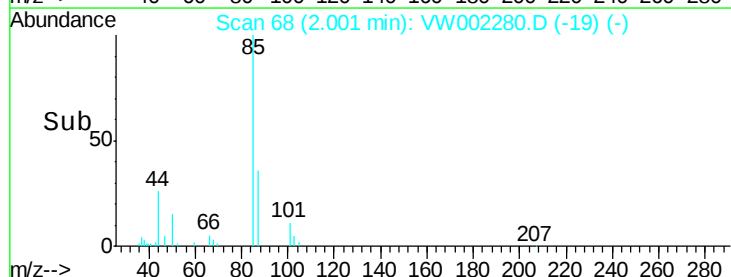
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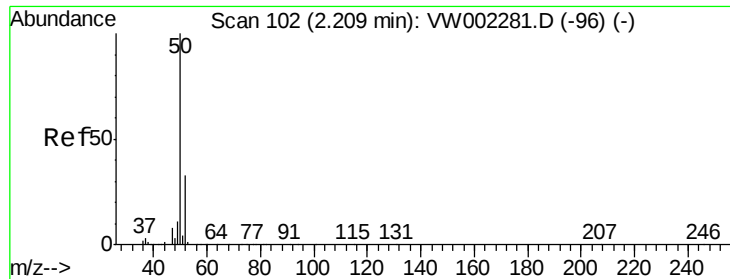
2000

1000

0

Time-->

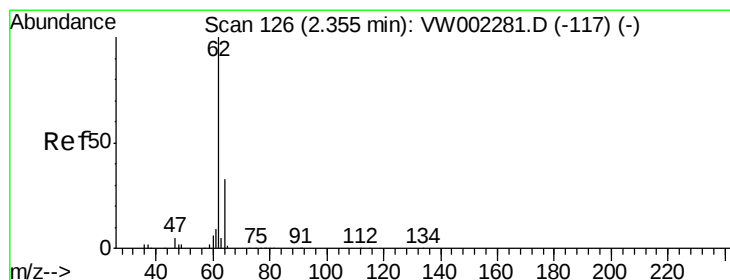
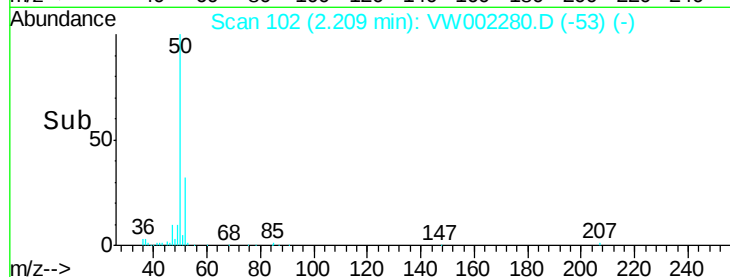
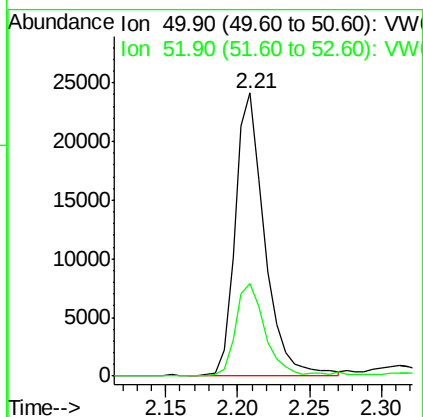
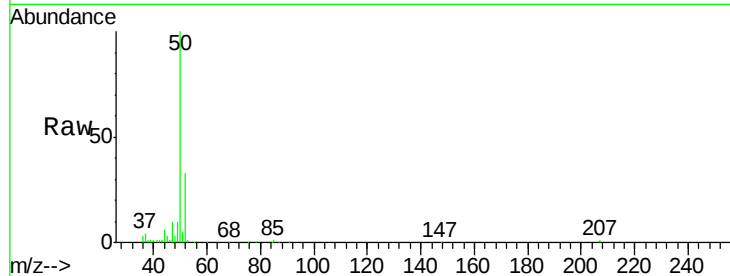




#3
Chloromethane
Concen: 19.58 ug/l
RT: 2.21 min Scan# 102
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

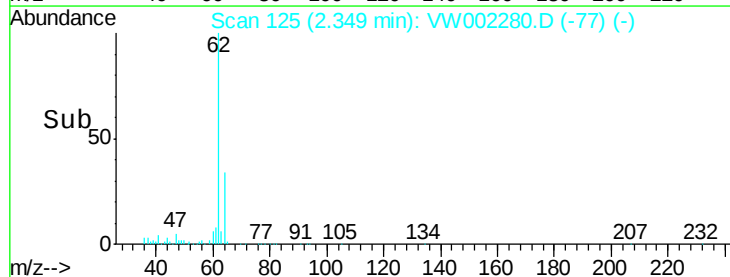
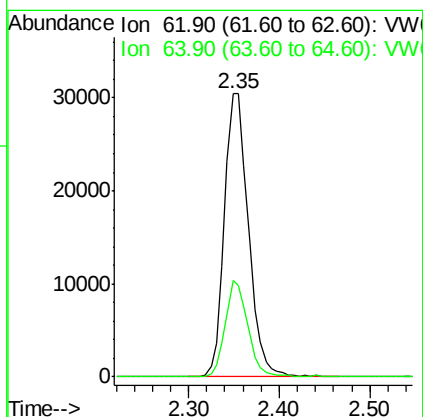
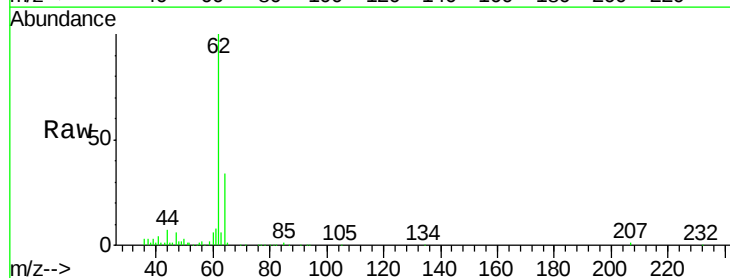
Instrument :
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ClientSampleId :
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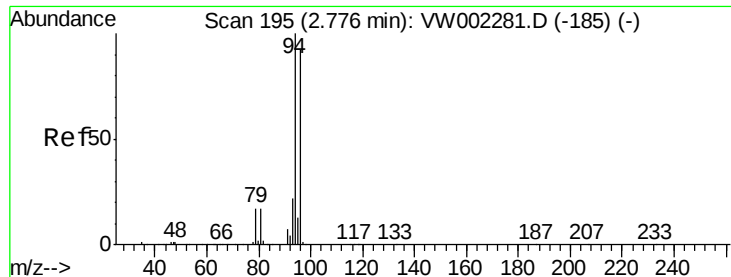
Tot Ion: 50 Resp: 34328
Ion Ratio Lower Upper
50 100
52 32.6 26.5 39.7



#4
Vinyl Chloride
Concen: 28.53 ug/l
RT: 2.35 min Scan# 125
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 62 Resp: 56166
Ion Ratio Lower Upper
62 100
64 34.0 26.1 39.1





#5

Bromomethane

Concen: 30.41 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

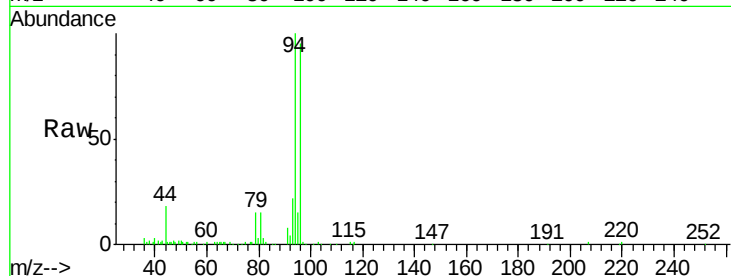
VSTDIC020

Tot Ion: 94 Resp: 47658

Ion Ratio Lower Upper

94 100

96 94.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

20000

15000

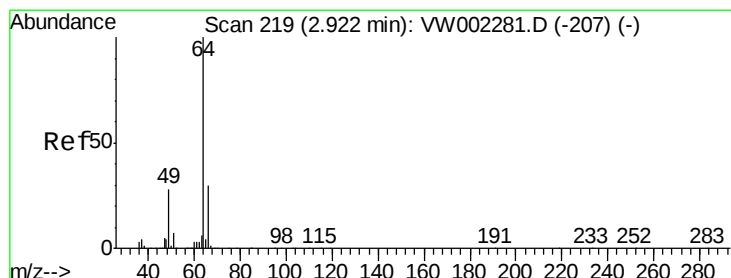
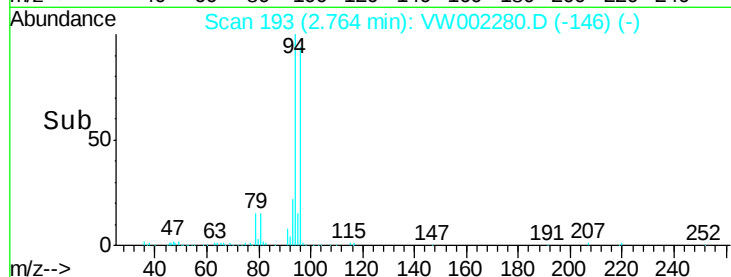
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5000

0

Time-->

2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 32.77 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002280.D

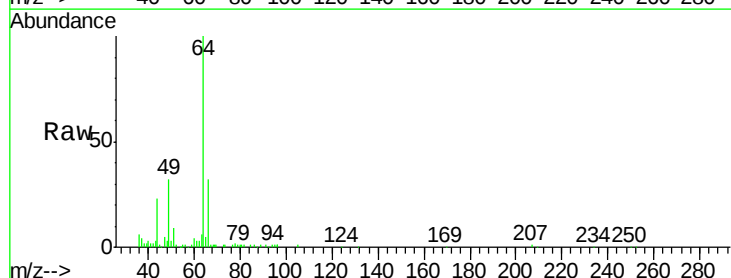
Acq: 08 May 2018 00:36

Tgt Ion: 64 Resp: 38975

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

15000

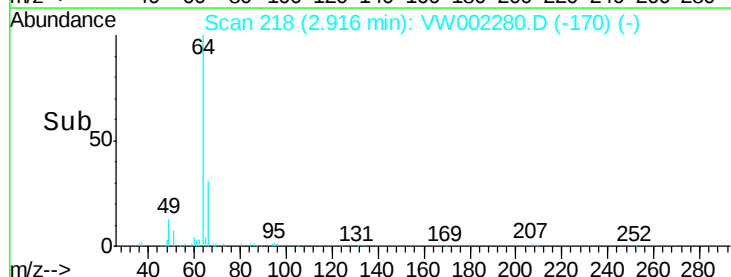
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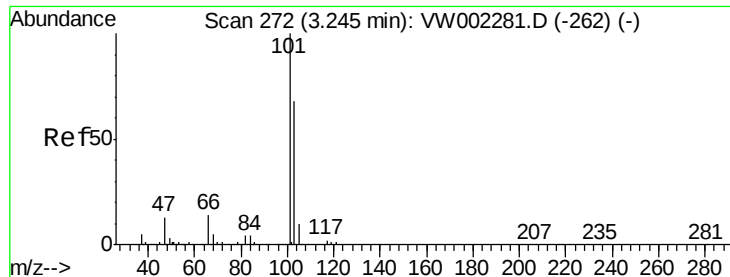
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0

Time-->

2.80 2.90 3.00



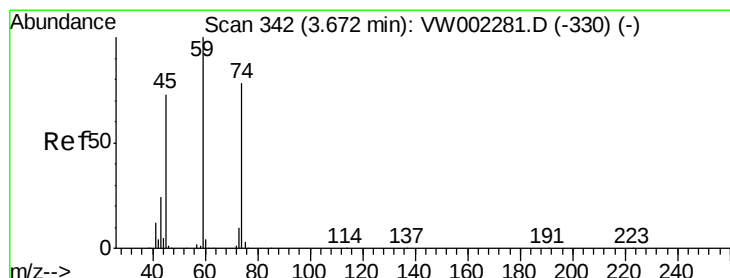
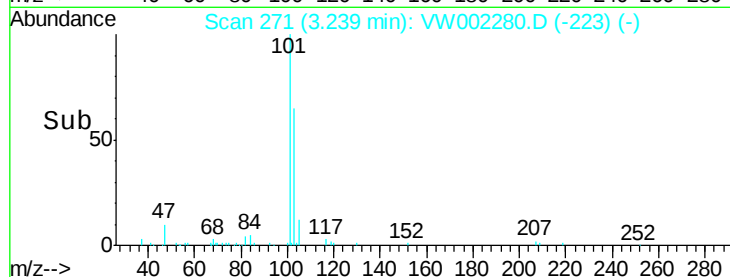
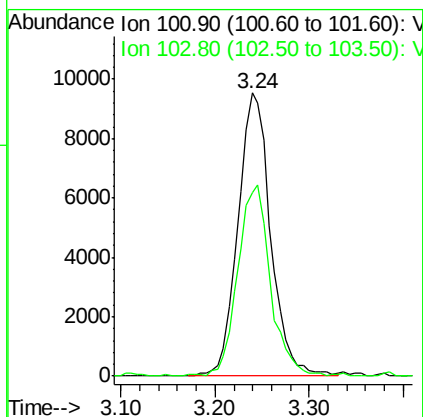
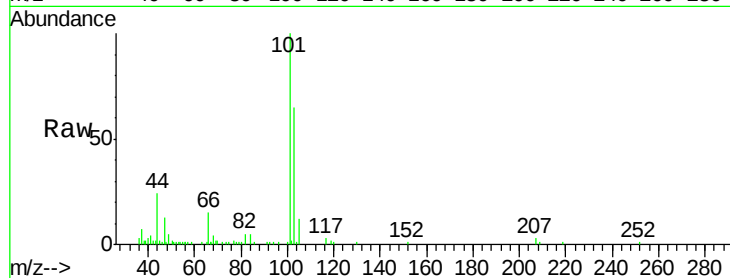


#7

Trichlorofluoromethane
 Concen: 7.05 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

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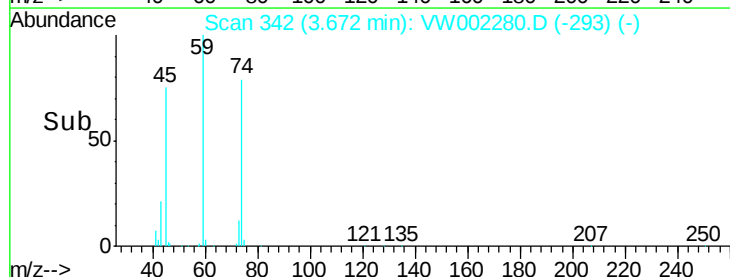
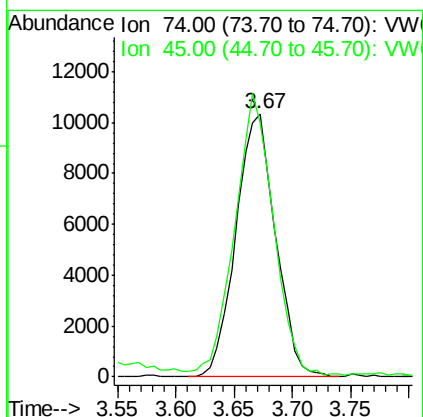
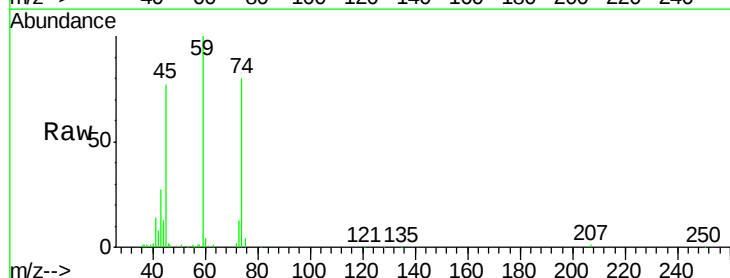
Tot Ion:101 Resp: 23138
 Ion Ratio Lower Upper
 101 100
 103 64.4 54.6 82.0

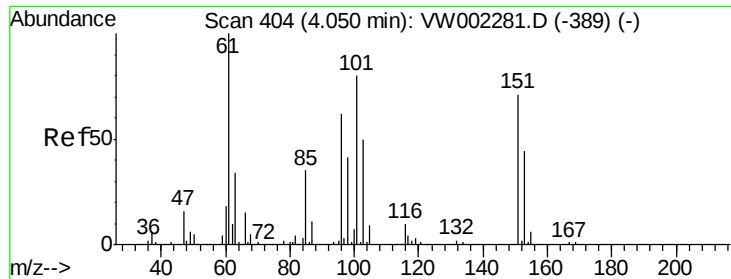


#8

Diethyl Ether
 Concen: 26.18 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion: 74 Resp: 24577
 Ion Ratio Lower Upper
 74 100
 45 104.3 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.69 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

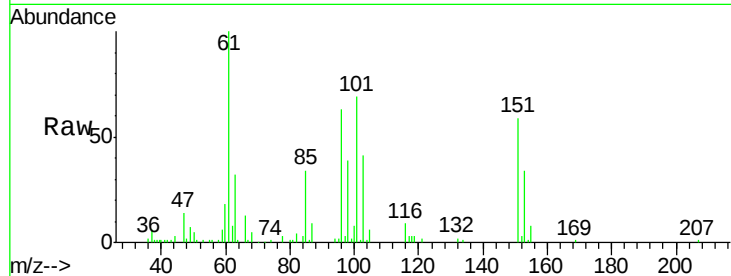
Tot Ion:101 Resp: 43235

Ion Ratio Lower Upper

101 100

85 43.2 35.9 53.9

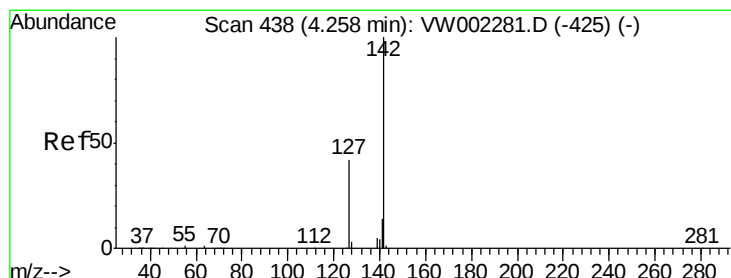
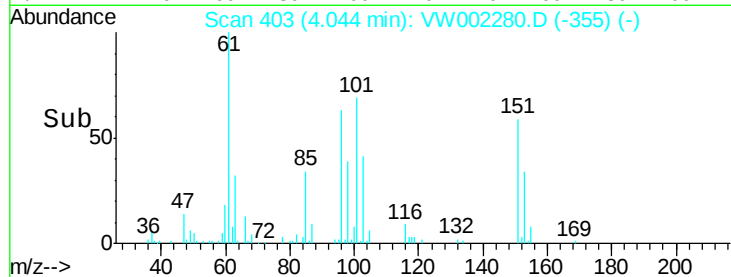
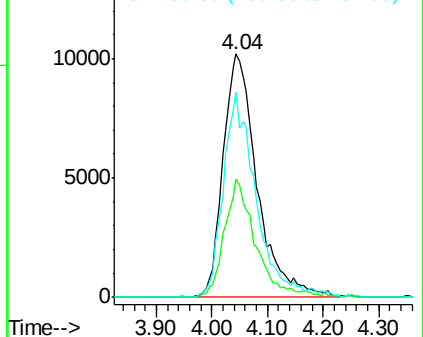
151 79.2 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.58 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

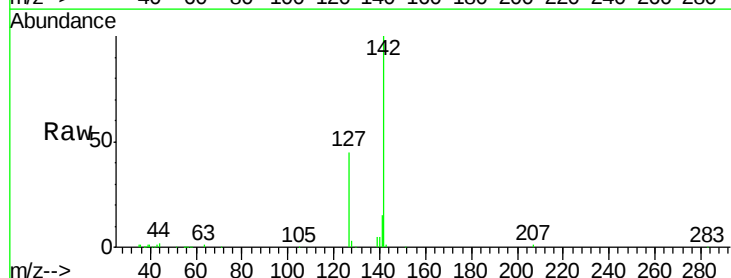
Tgt Ion:142 Resp: 70163

Ion Ratio Lower Upper

142 100

127 43.3 34.7 52.1

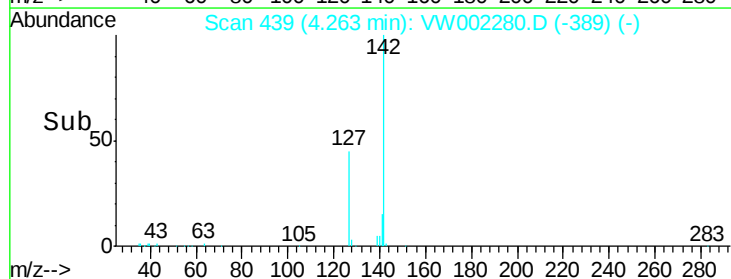
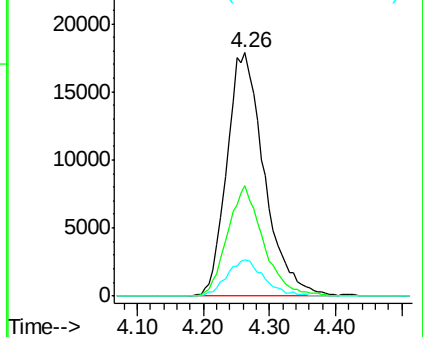
141 14.8 11.9 17.9

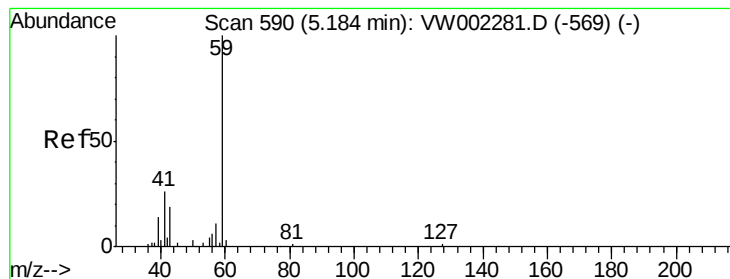


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



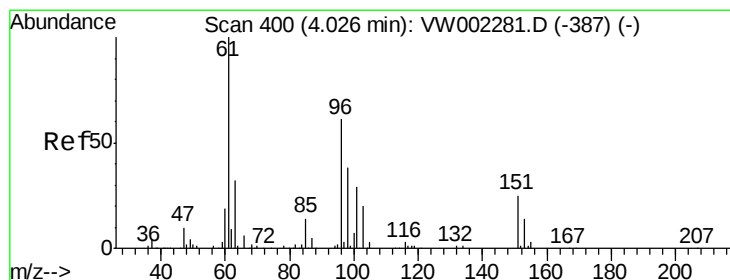
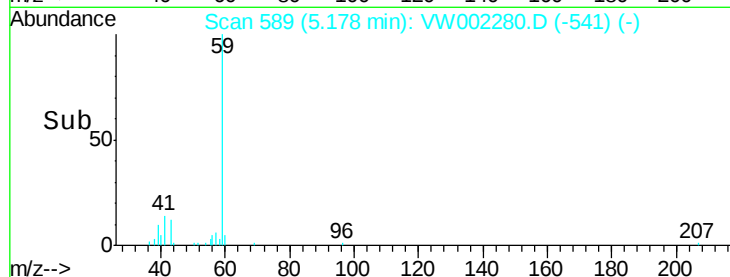
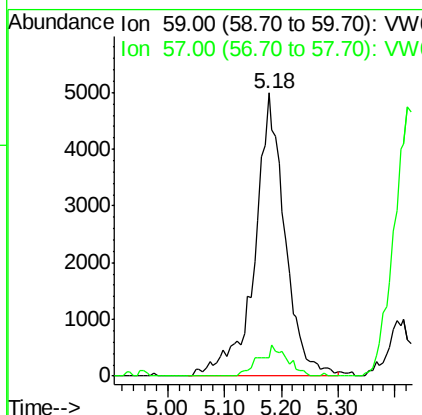
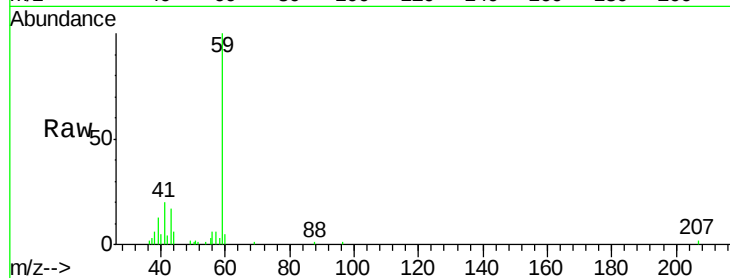


#11

Tert butyl alcohol
 Concen: 140.66 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

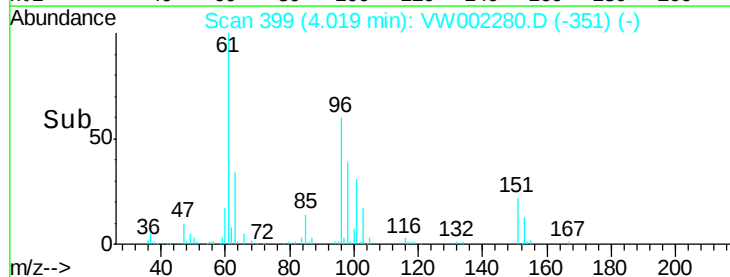
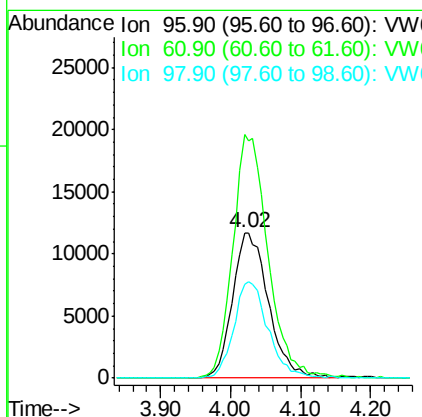
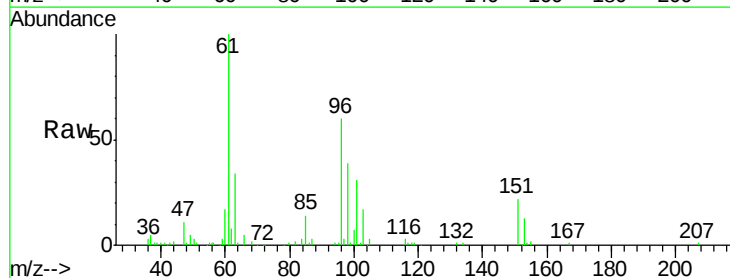
Tot Ion: 59 Resp: 18359
 Ion Ratio Lower Upper
 59 100
 57 7.3 3.9 5.9#

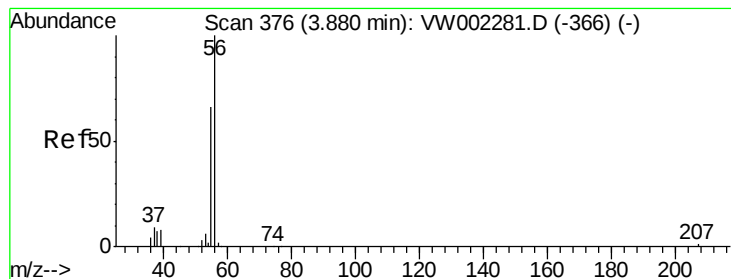


#12

1,1-Dichloroethene
 Concen: 22.01 ug/l
 RT: 4.02 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion: 96 Resp: 41774
 Ion Ratio Lower Upper
 96 100
 61 167.4 130.6 196.0
 98 64.9 49.0 73.4





#13

Acrolein

Concen: 147.61 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

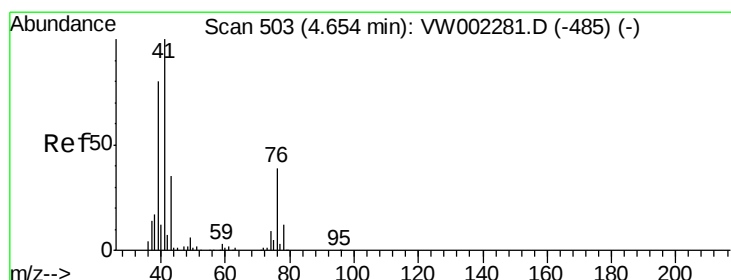
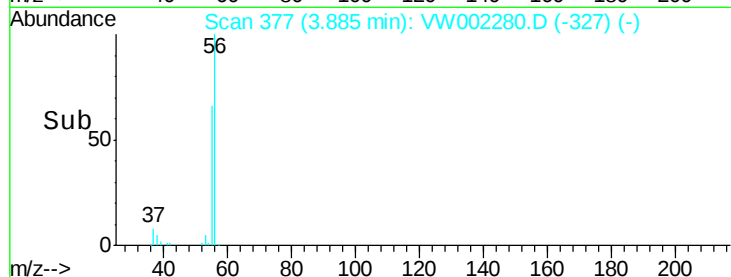
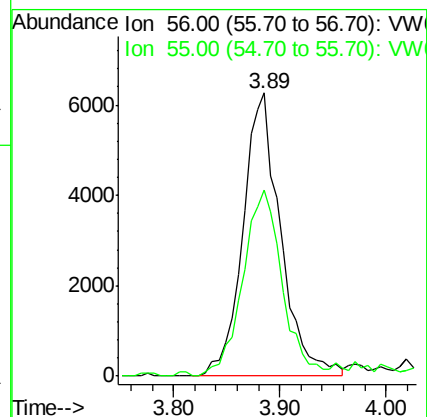
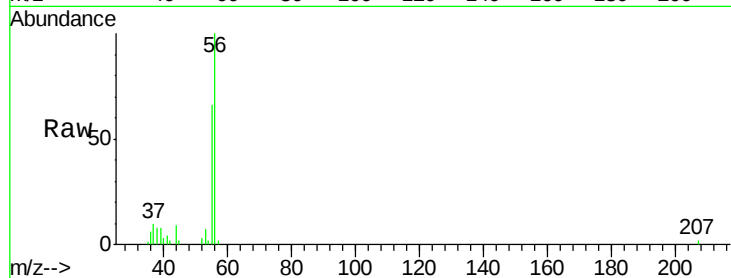
VSTDIC020

Tot Ion: 56 Resp: 15541

Ion Ratio Lower Upper

56 100

55 68.3 57.3 85.9



#14

Allyl chloride

Concen: 25.08 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

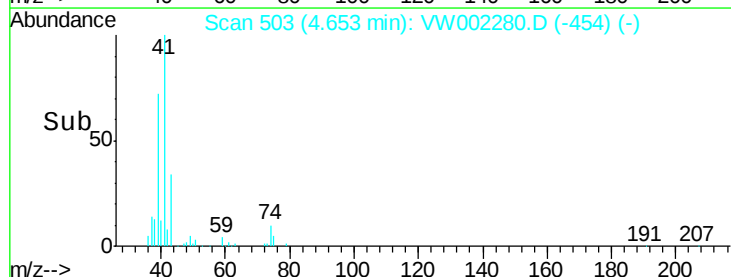
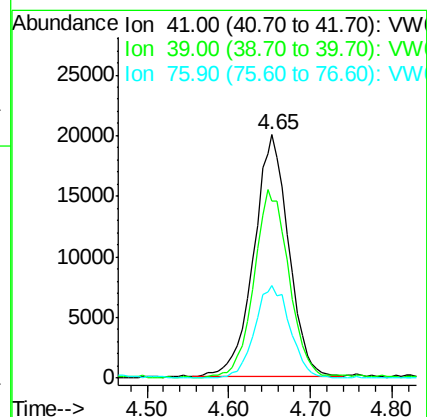
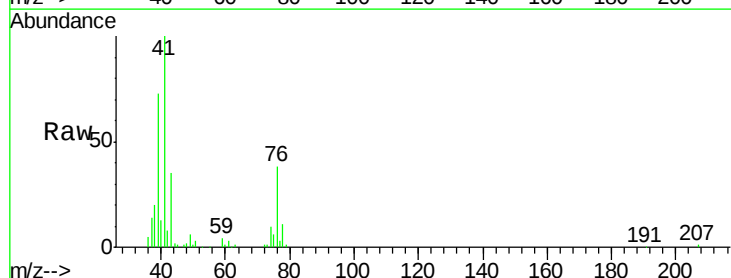
Tgt Ion: 41 Resp: 59289

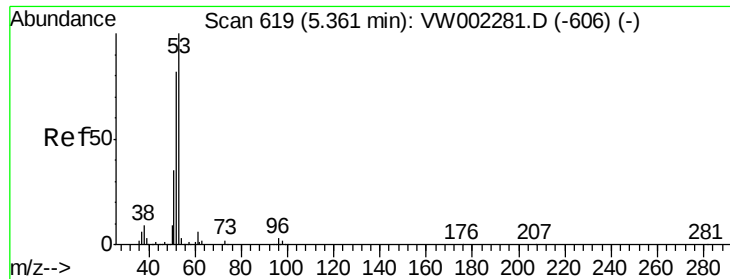
Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 38.6 29.8 44.6





#15

Acrylonitrile

Concen: 148.67 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

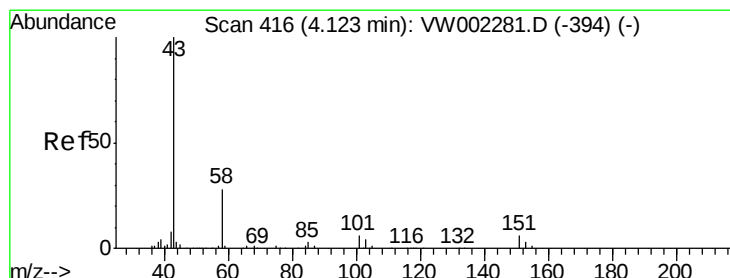
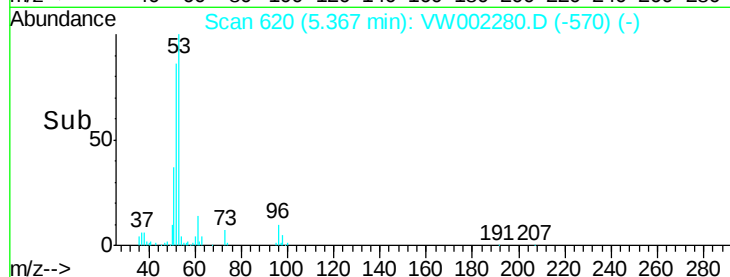
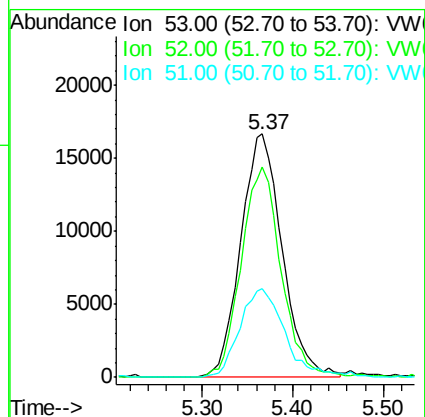
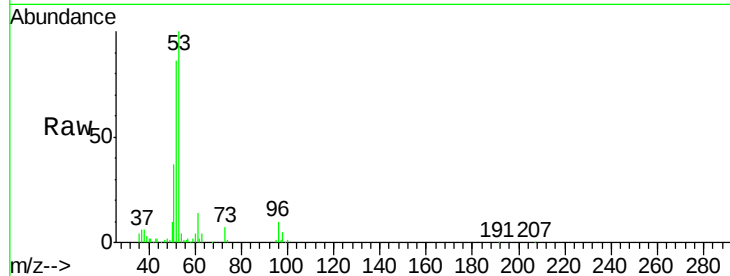
Tot Ion: 53 Resp: 52788

Ion Ratio Lower Upper

53 100

52 83.1 67.9 101.9

51 39.8 30.0 45.0



#16

Acetone

Concen: 115.64 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002280.D

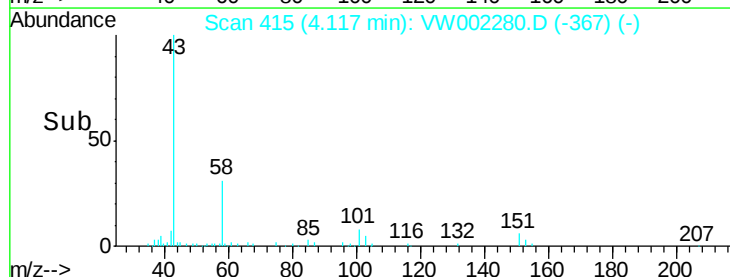
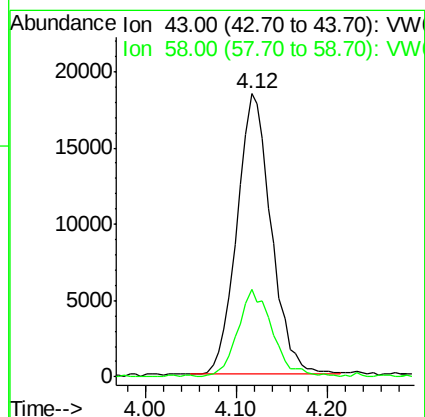
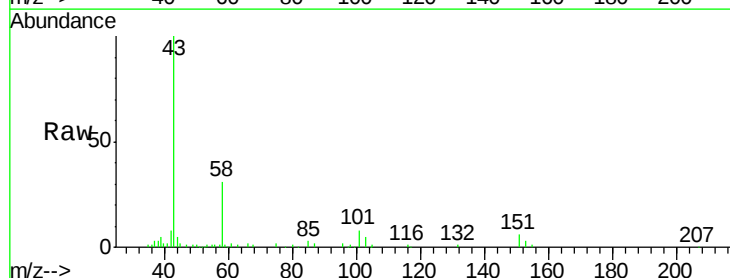
Acq: 08 May 2018 00:36

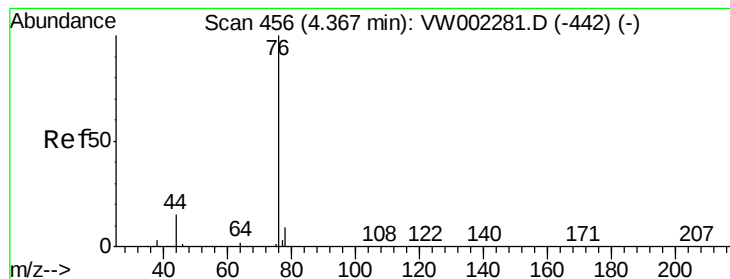
Tgt Ion: 43 Resp: 48287

Ion Ratio Lower Upper

43 100

58 30.7 22.2 33.4





#17

Carbon Disulfide

Concen: 20.56 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

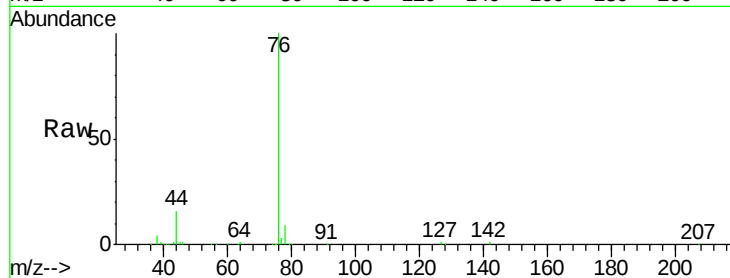
VSTDIC020

Tot Ion: 76 Resp: 122457

Ion Ratio Lower Upper

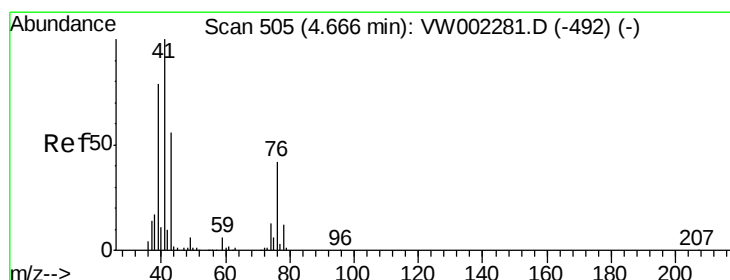
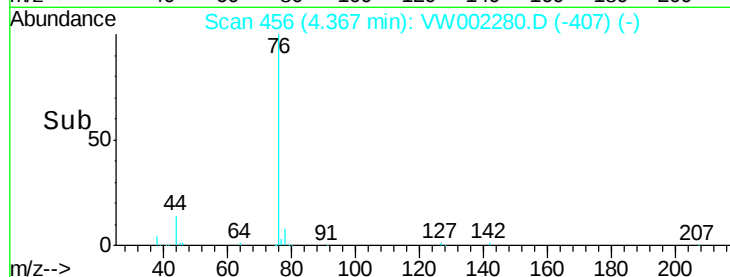
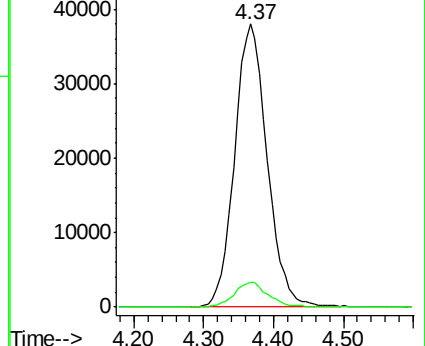
76 100

78 9.0 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 30.64 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002280.D

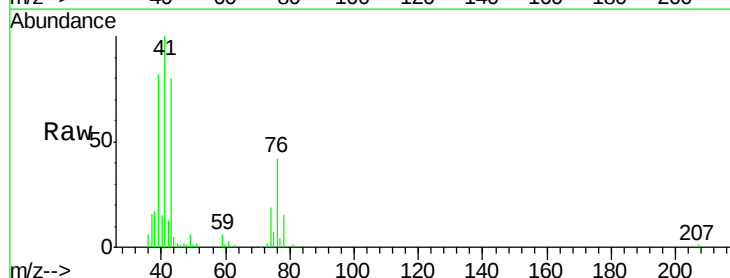
Acq: 08 May 2018 00:36

Tgt Ion: 43 Resp: 28127

Ion Ratio Lower Upper

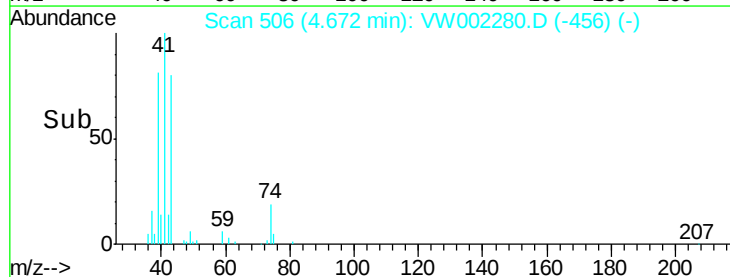
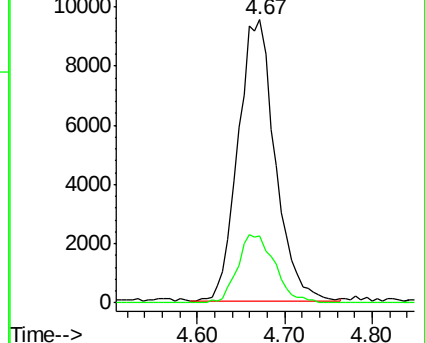
43 100

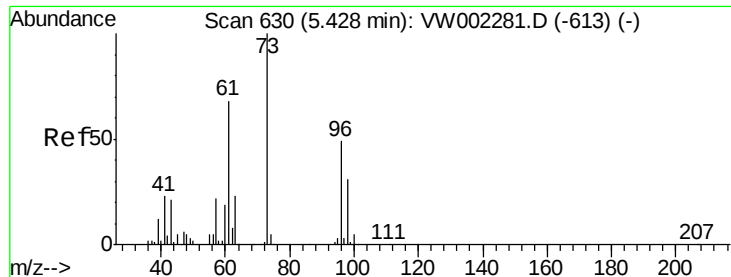
74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

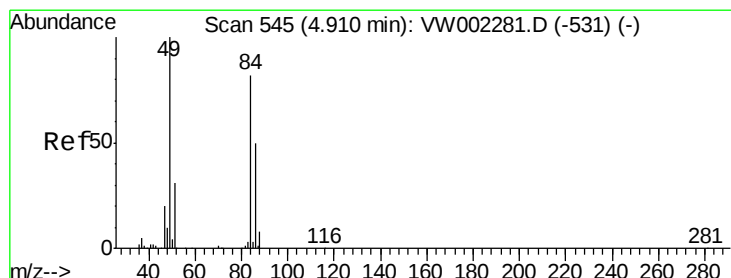
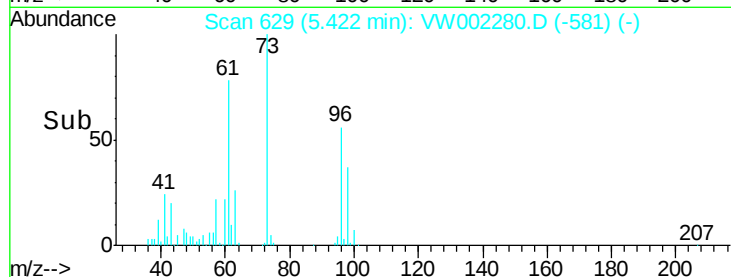
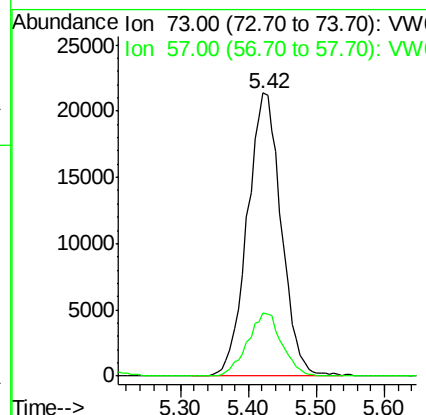
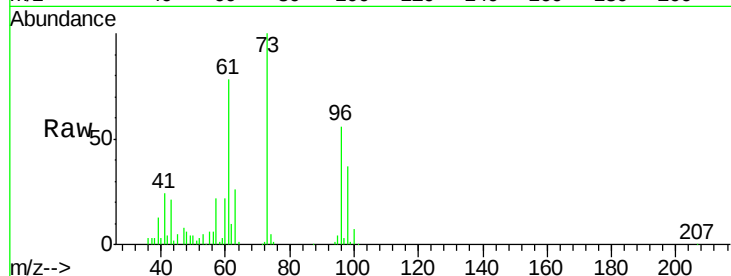




#19
Methvl tert-butvl Ether
Concen: 19.21 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

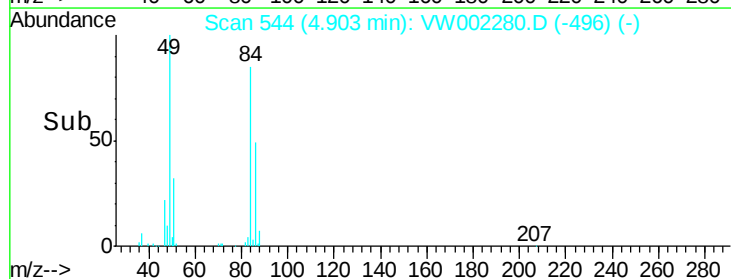
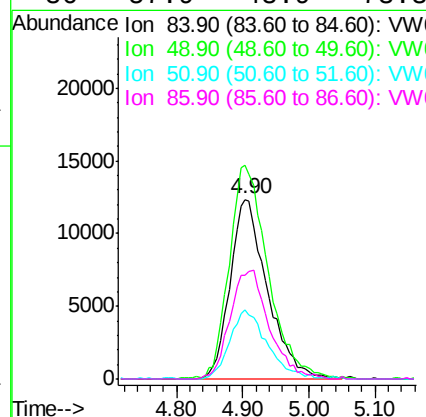
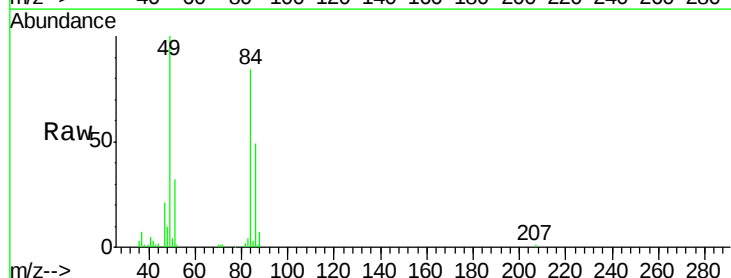
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

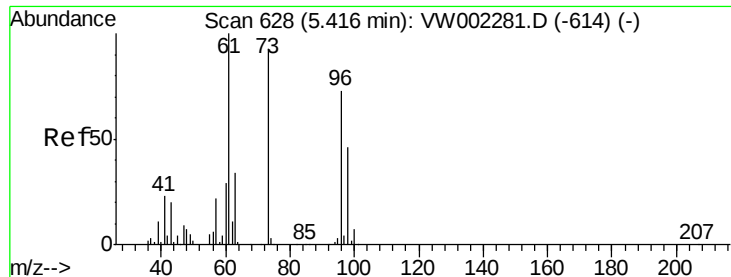
Tot Ion: 73 Resp: 73989
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5



#20
Methylene Chloride
Concen: 20.46 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 84 Resp: 48265
Ion Ratio Lower Upper
84 100
49 118.3 97.7 146.5
51 38.2 30.2 45.4
86 57.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 21.59 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

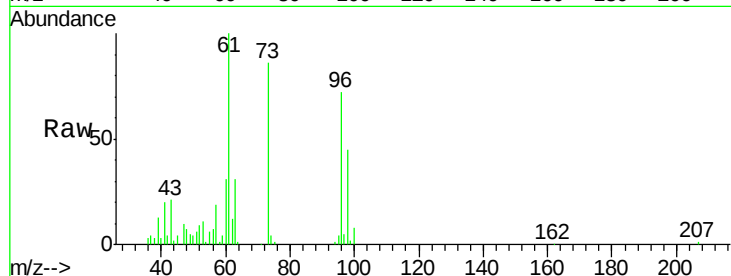
Tot Ion: 96 Resp: 45718

Ion Ratio Lower Upper

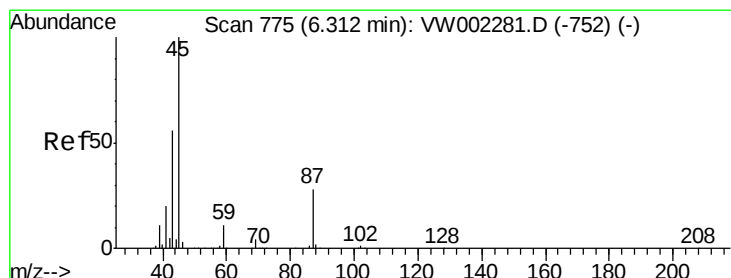
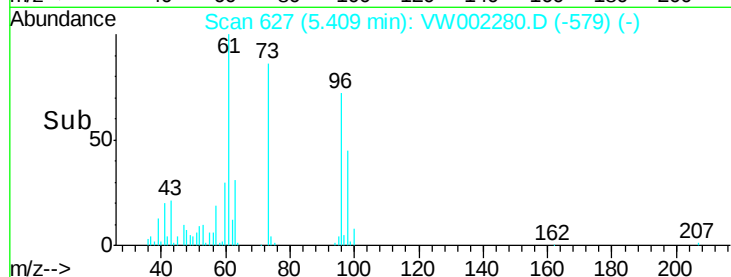
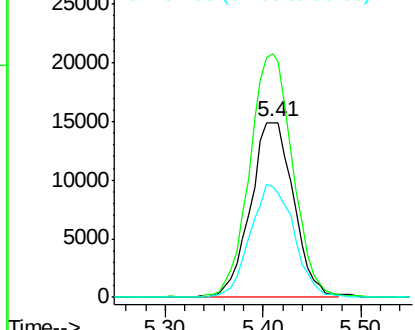
96 100

61 139.4 109.5 164.3

98 63.0 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: 28.81 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Tgt Ion: 45 Resp: 136006

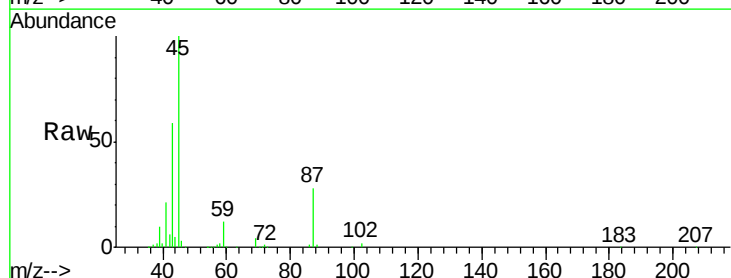
Ion Ratio Lower Upper

45 100

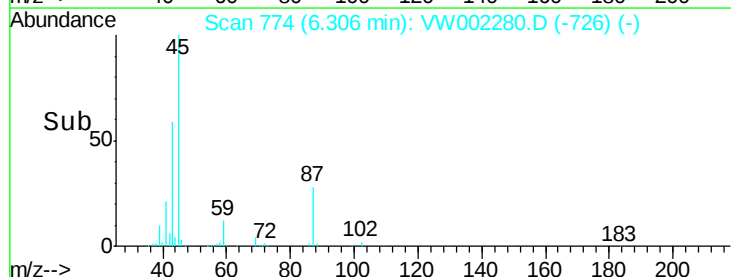
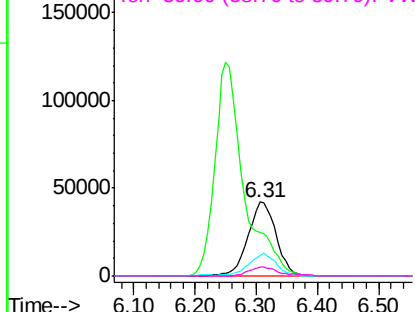
43 58.6 44.5 66.7

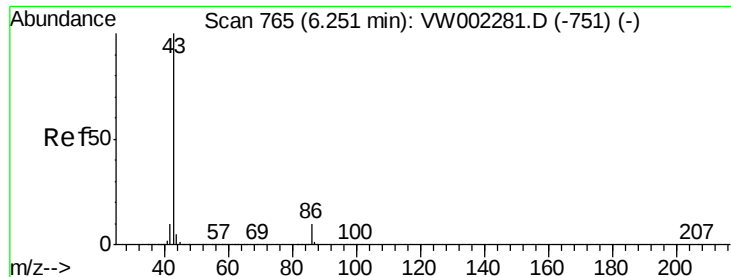
87 27.4 22.2 33.4

59 11.9 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: 161.29 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

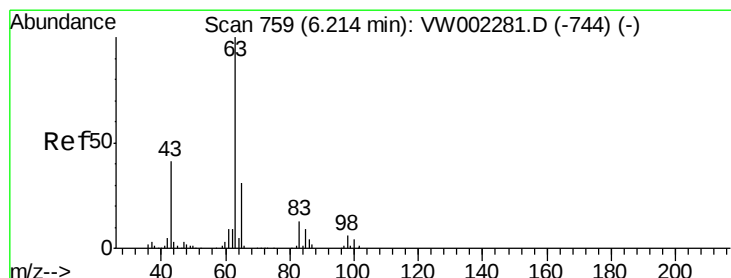
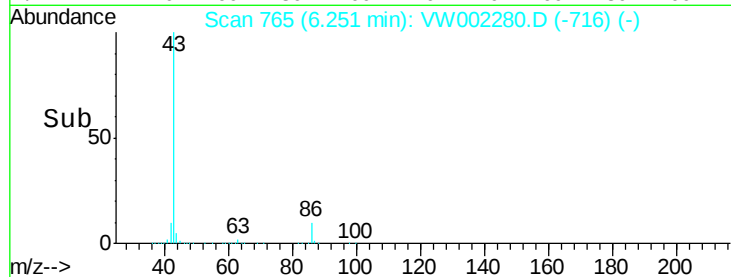
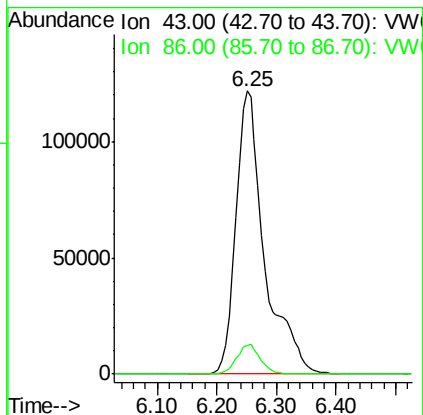
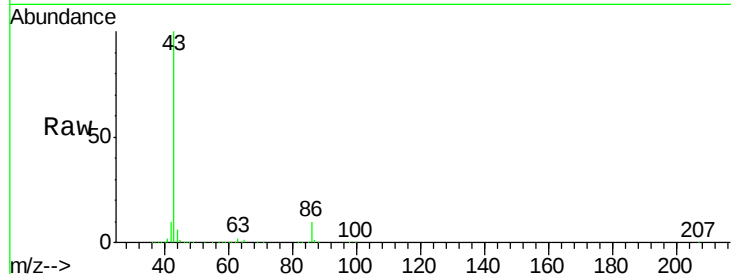
VSTDIC020

Tot Ion: 43 Resp: 405349

Ion Ratio Lower Upper

43 100

86 10.2 7.9 11.9



#24

1,1-Dichloroethane

Concen: 24.40 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

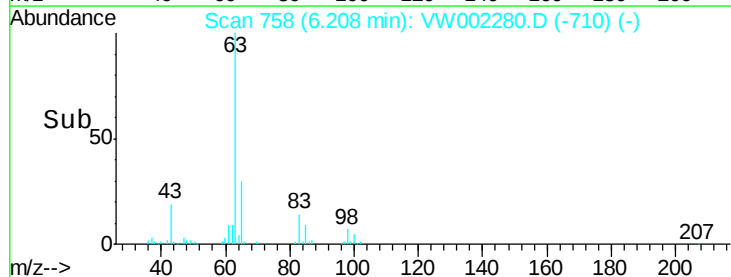
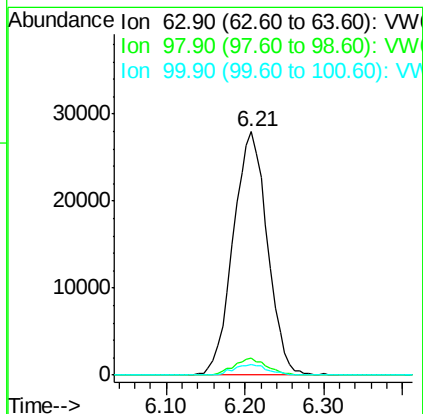
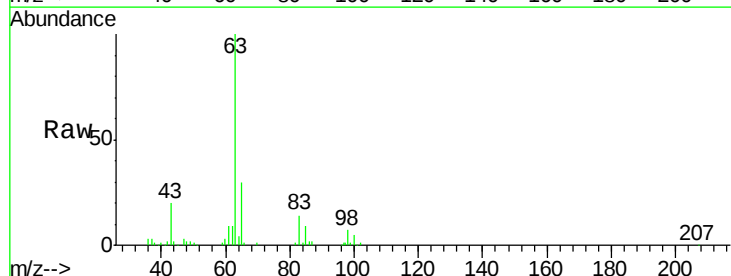
Tgt Ion: 63 Resp: 84028

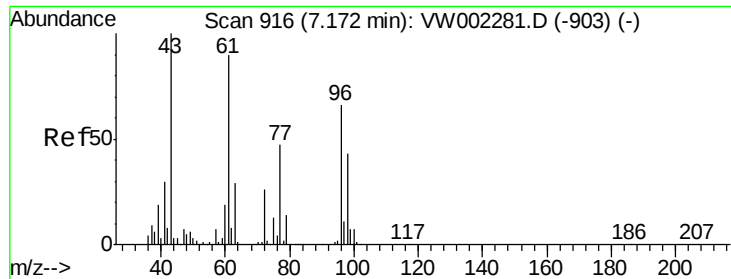
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 156.45 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

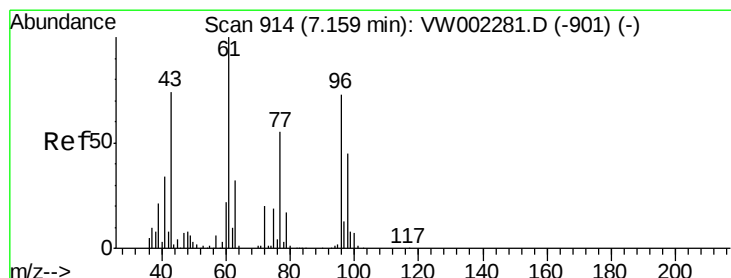
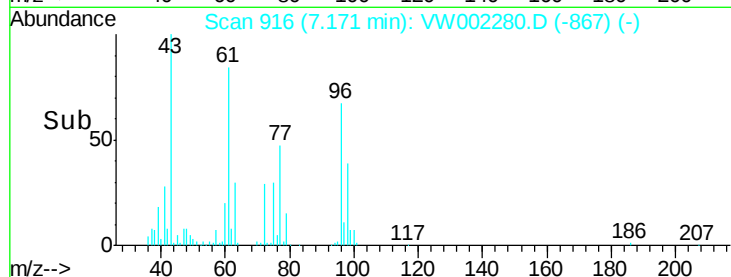
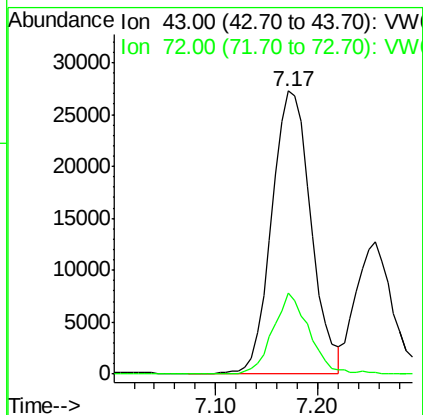
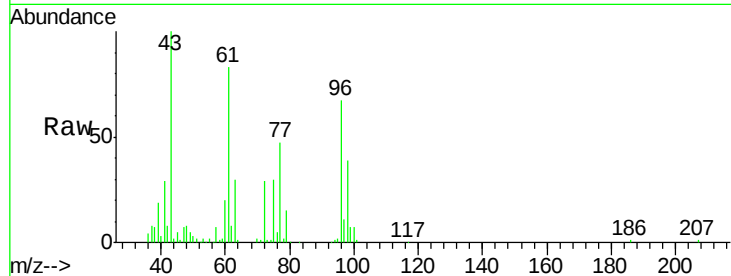
VSTDIC020

Tot Ion: 43 Resp: 72712

Ion Ratio Lower Upper

43 100

72 28.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 12.86 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002280.D

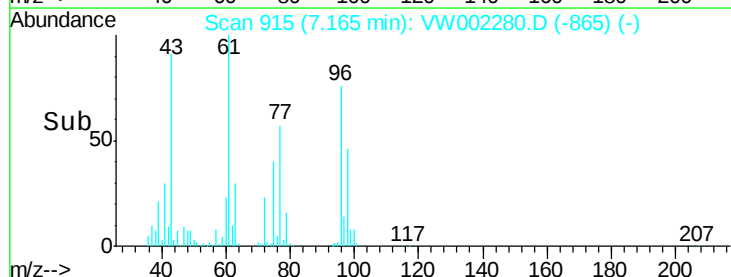
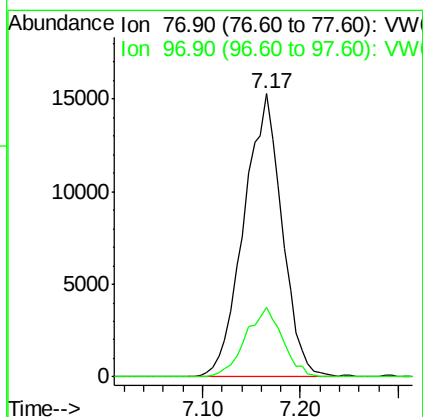
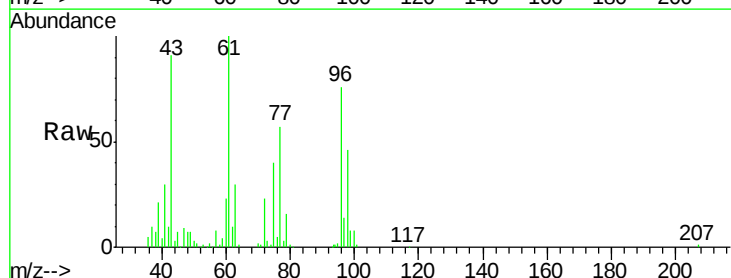
Acq: 08 May 2018 00:36

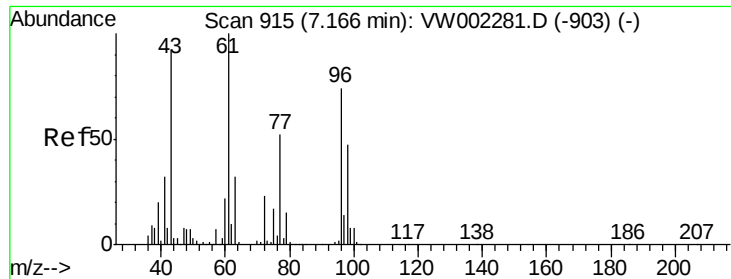
Tgt Ion: 77 Resp: 41402

Ion Ratio Lower Upper

77 100

97 23.7 12.7 38.0





#27

cis-1,2-Dichloroethene

Concen: 23.80 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

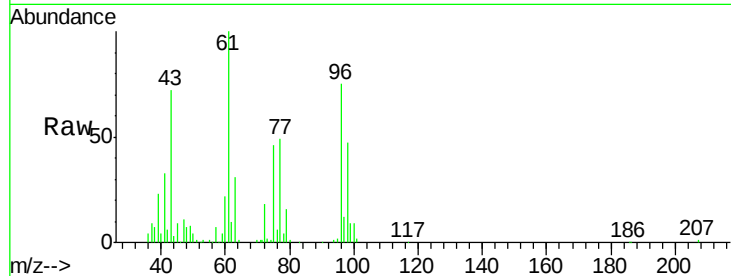
Tot Ion: 96 Resp: 53339

Ion Ratio Lower Upper

96 100

61 134.6 0.0 274.8

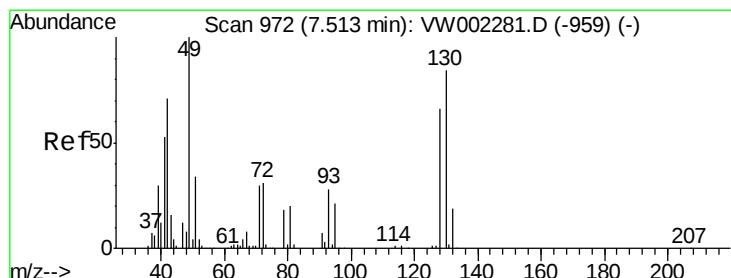
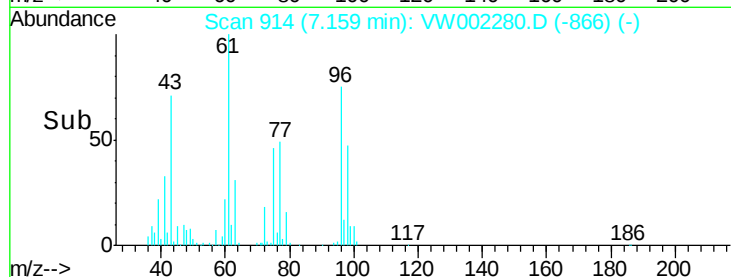
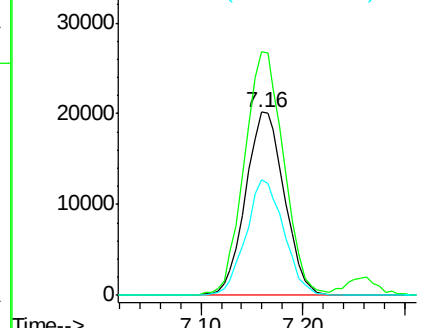
98 61.6 0.0 128.4



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



#28

Bromochloromethane

Concen: 31.35 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

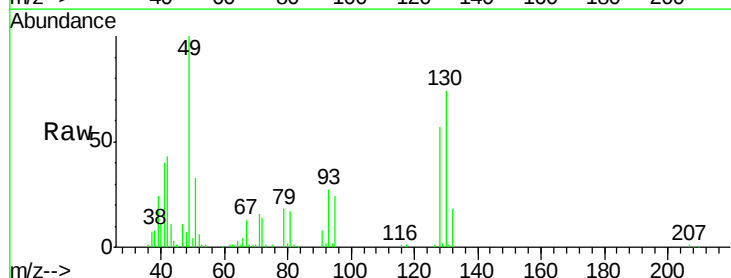
Tgt Ion: 49 Resp: 37918

Ion Ratio Lower Upper

49 100

129 2.8 0.0 2.4#

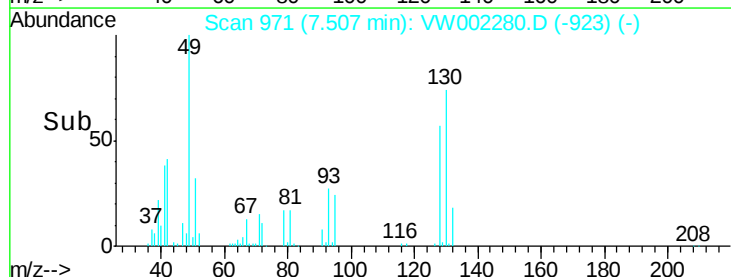
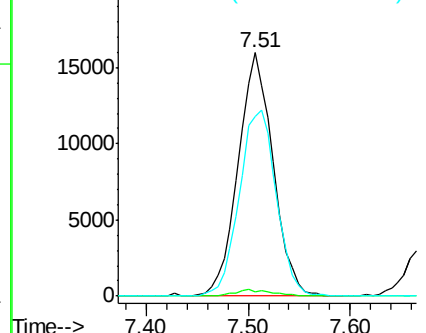
130 81.0 65.5 98.3

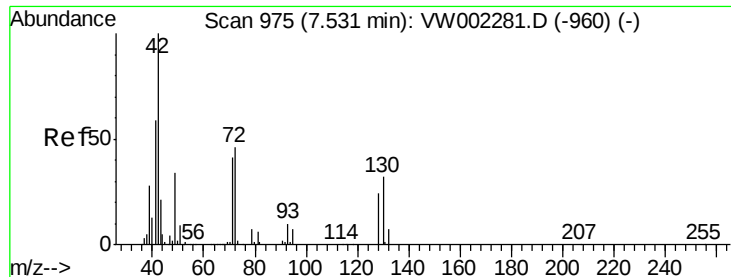


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 169.40 ug/l

RT: 7.52 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

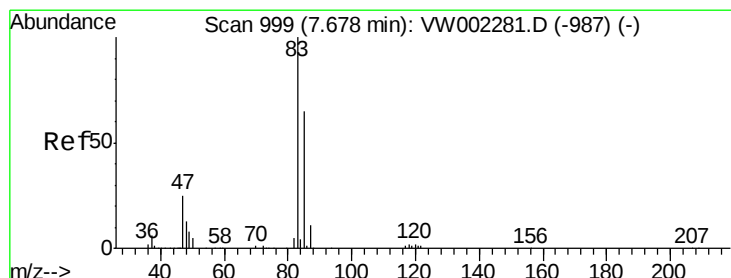
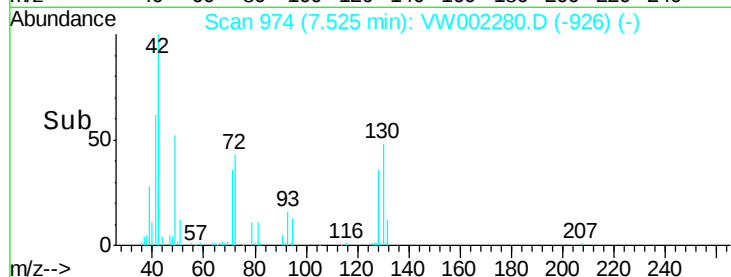
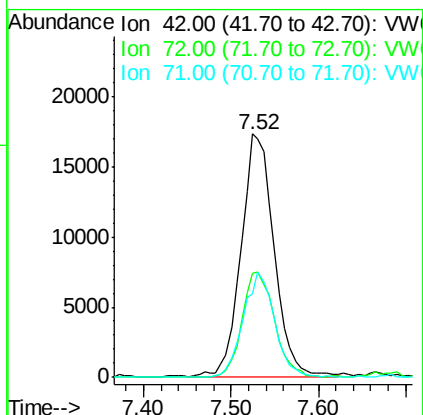
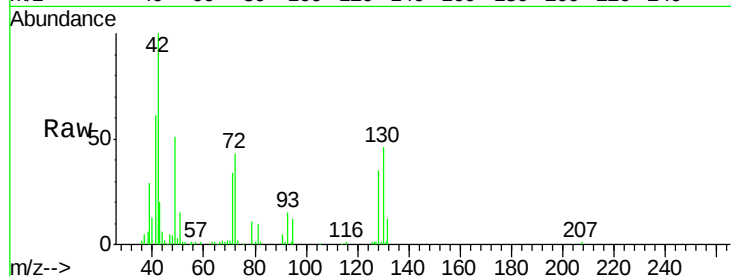
Tot Ion: 42 Resp: 45773

Ion Ratio Lower Upper

42 100

72 42.3 34.5 51.7

71 41.0 33.0 49.6



#30

Chloroform

Concen: 22.20 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002280.D

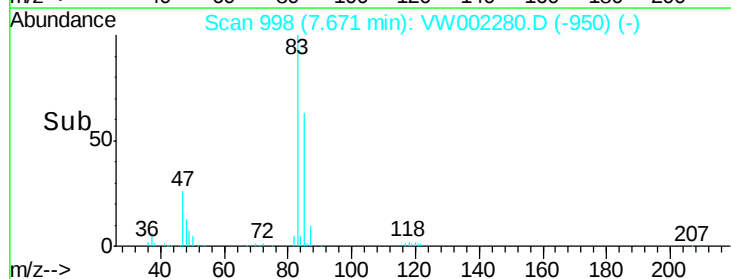
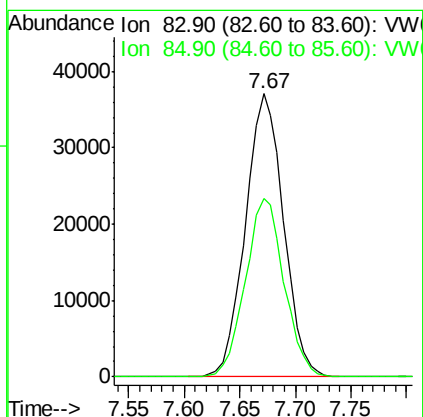
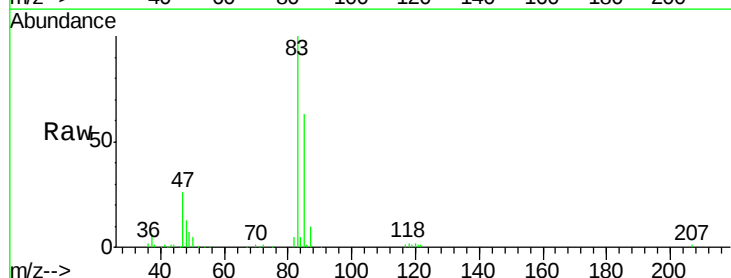
Acq: 08 May 2018 00:36

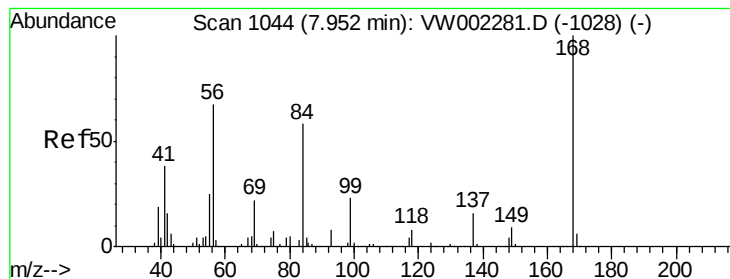
Tgt Ion: 83 Resp: 88431

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6





#31

Cyclohexane

Concen: 23.14 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

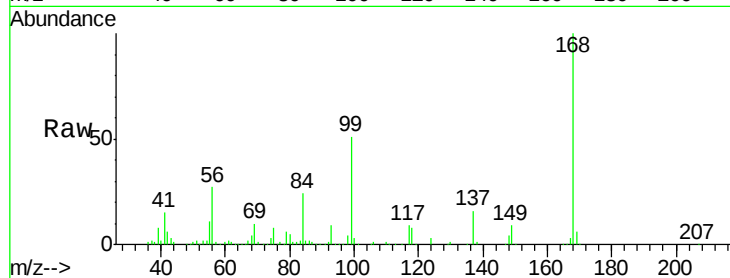
Tot Ion: 56 Resp: 72211

Ion Ratio Lower Upper

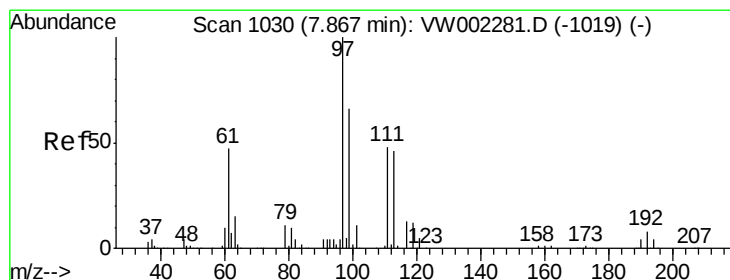
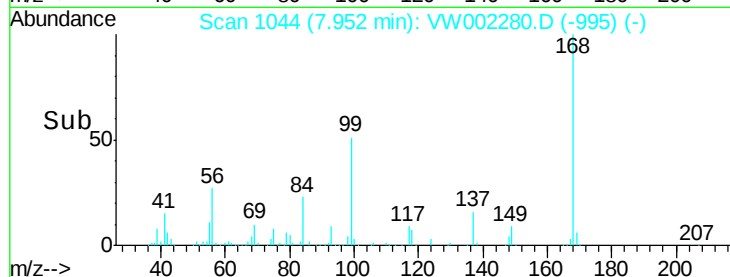
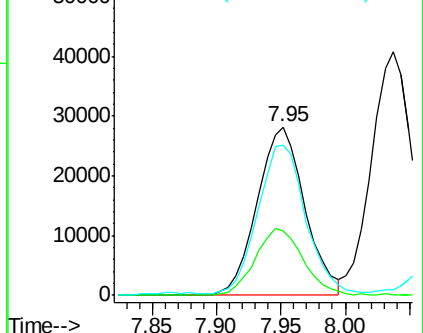
56 100

69 37.9 26.2 39.4

84 87.6 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: 16.93 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

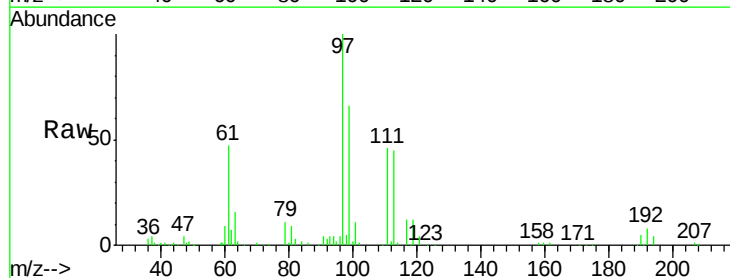
Tgt Ion: 97 Resp: 64719

Ion Ratio Lower Upper

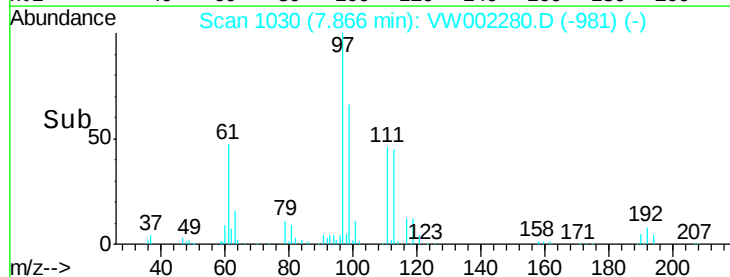
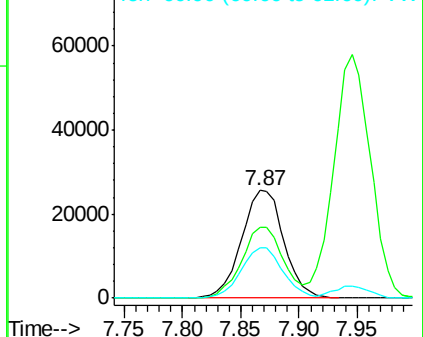
97 100

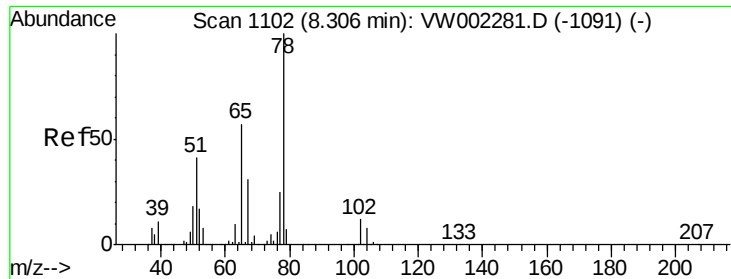
99 65.0 52.6 79.0

61 46.3 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: 23.50 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

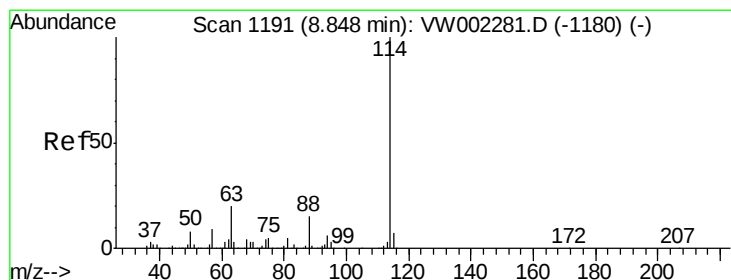
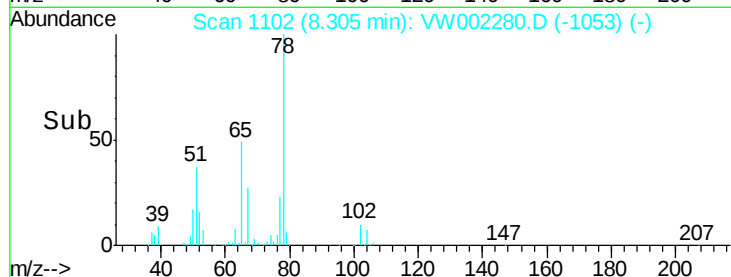
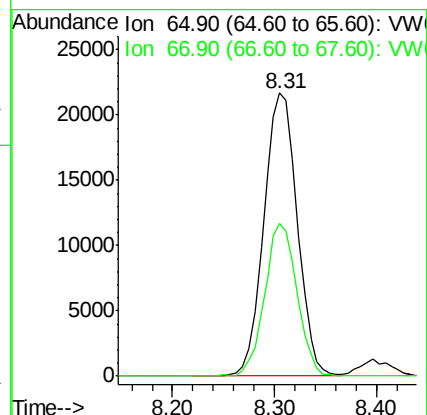
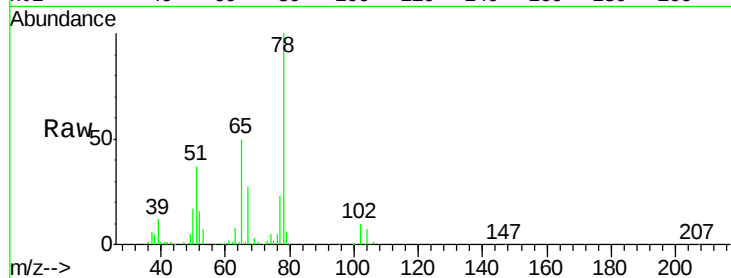
VSTDIC020

Tot Ion: 65 Resp: 49298

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

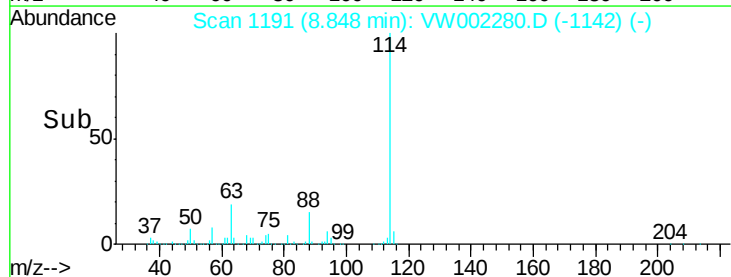
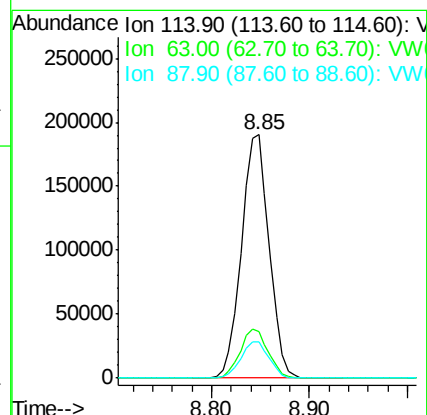
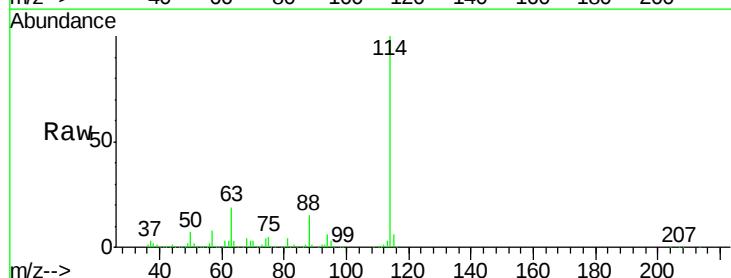
Tgt Ion: 114 Resp: 372736

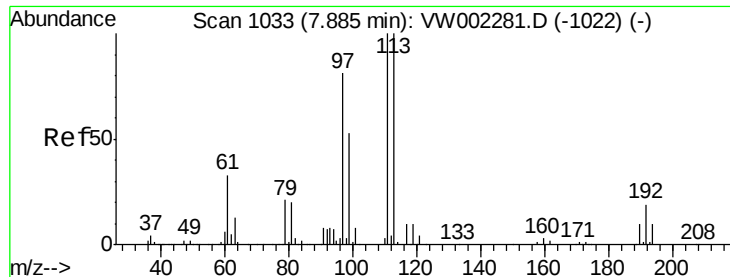
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 14.8 0.0 29.6

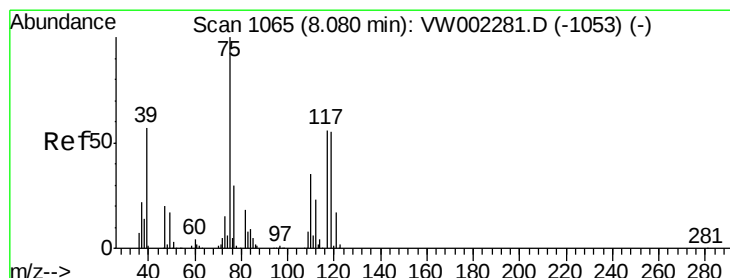
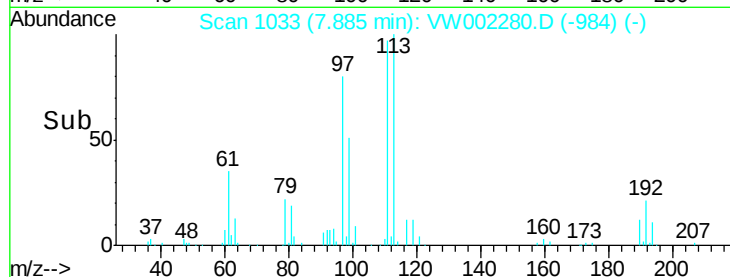
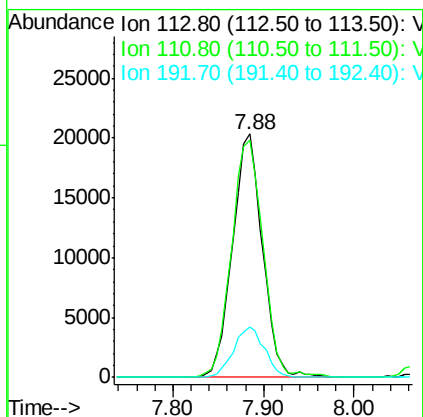
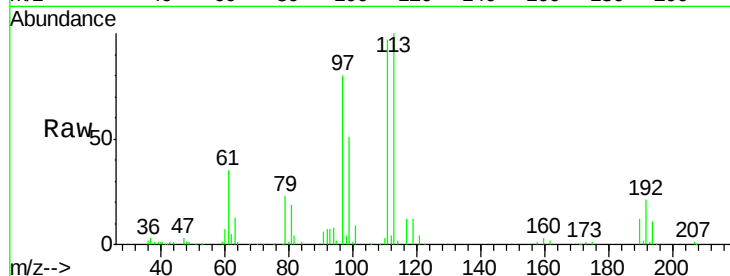




#35
Dibromofluoromethane
Concen: 19.91 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

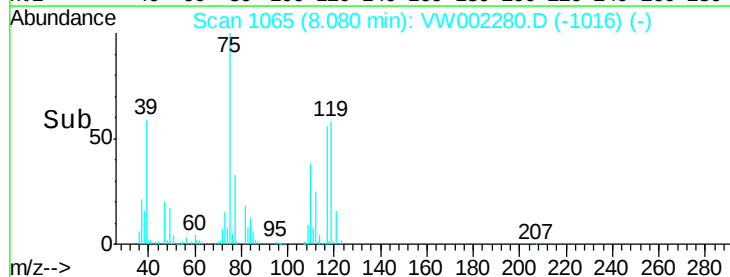
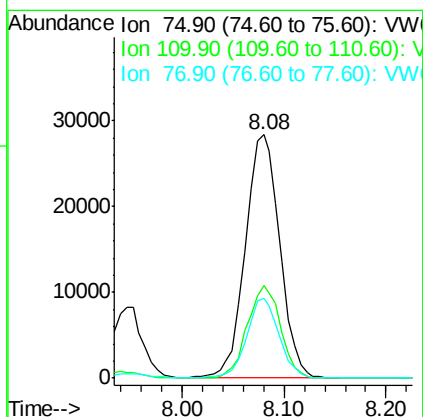
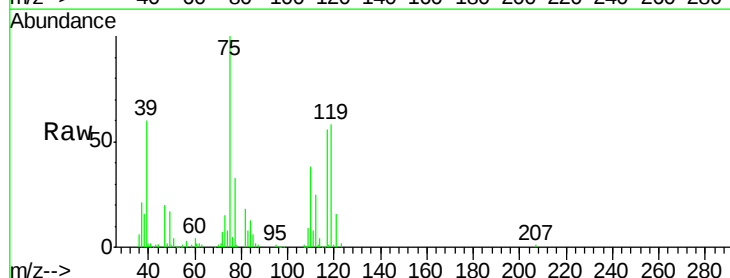
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

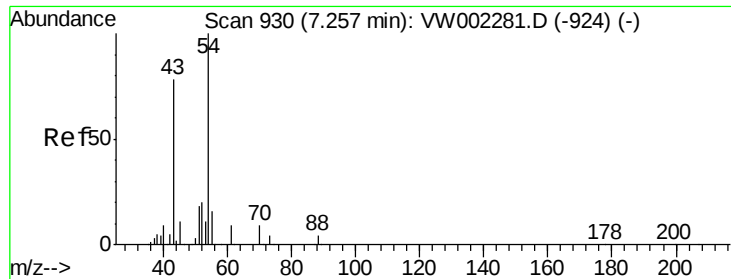
Tot Ion:113 Resp: 46572
Ion Ratio Lower Upper
113 100
111 103.1 81.5 122.3
192 21.1 16.4 24.6



#36
1,1-Dichloropropene
Concen: 19.34 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 75 Resp: 66739
Ion Ratio Lower Upper
75 100
110 36.6 18.1 54.1
77 30.7 24.5 36.7

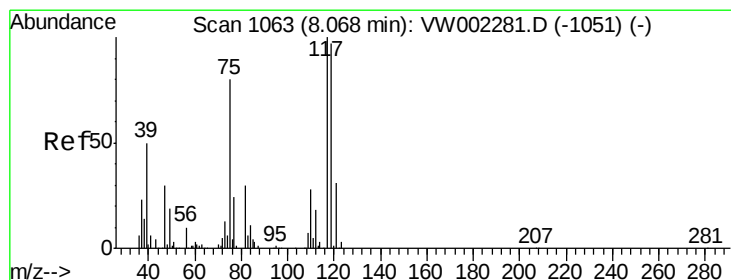
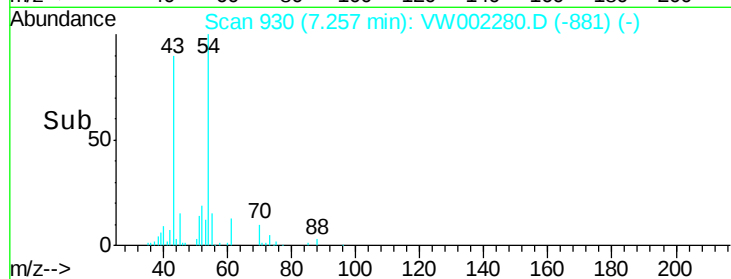
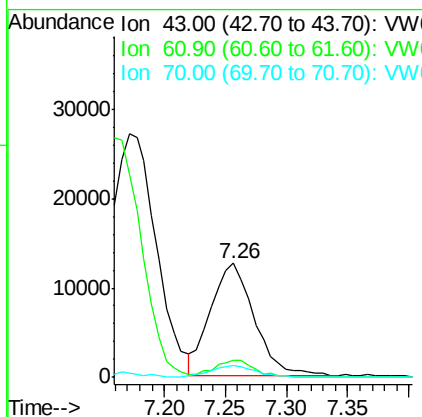
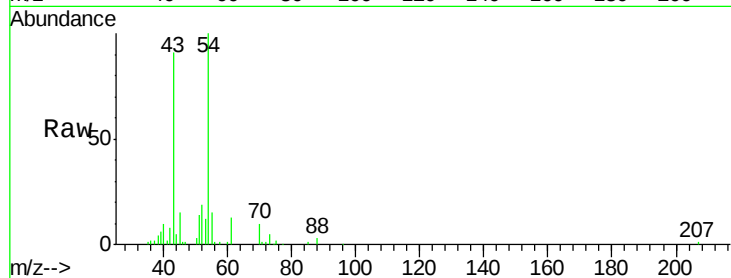




#37
Ethyl Acetate
Concen: 28.55 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

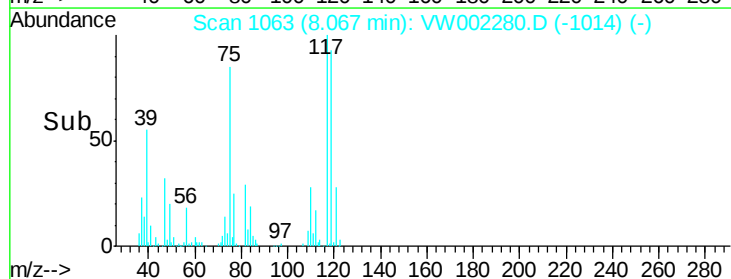
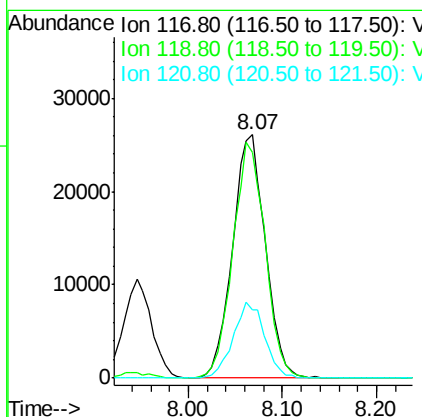
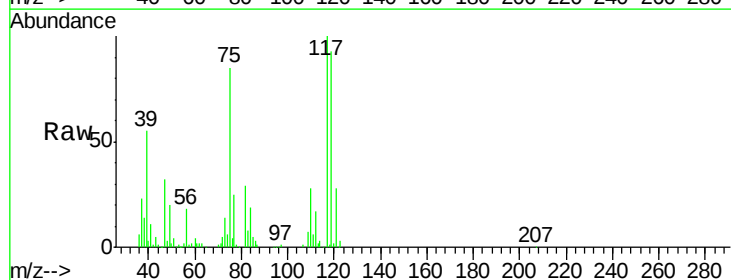
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

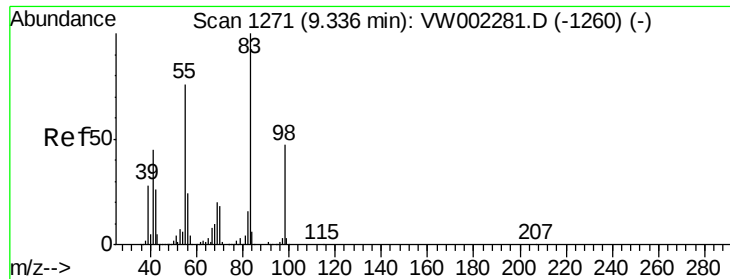
Tot Ion: 43 Resp: 31273
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 10.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 15.17 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 117 Resp: 63319
Ion Ratio Lower Upper
117 100
119 92.9 77.5 116.3
121 28.2 24.4 36.6





#39

Methvlcvclohexane

Concen: 19.39 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

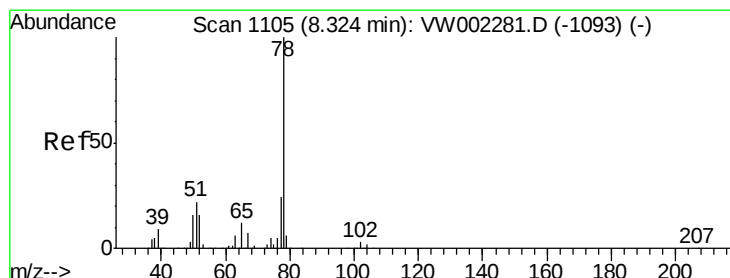
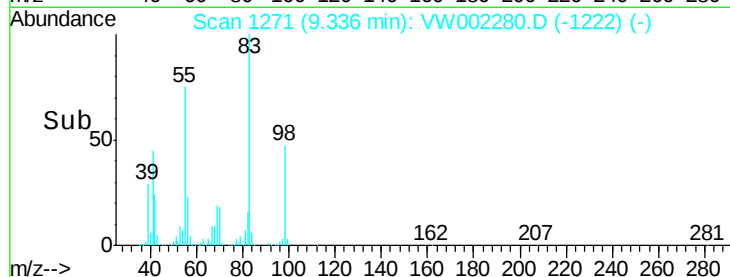
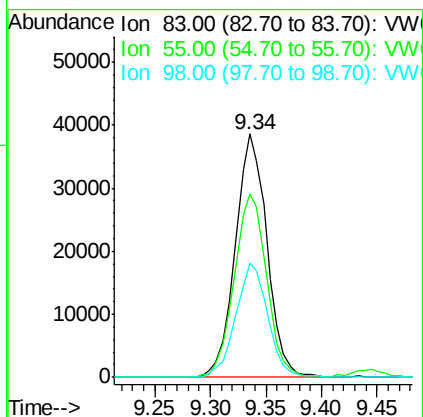
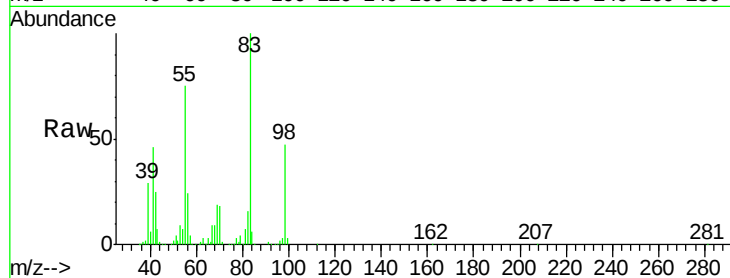
Tot Ion: 83 Resp: 76170

Ion Ratio Lower Upper

83 100

55 75.4 60.6 91.0

98 47.0 37.4 56.0



#40

Benzene

Concen: 20.51 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW002280.D

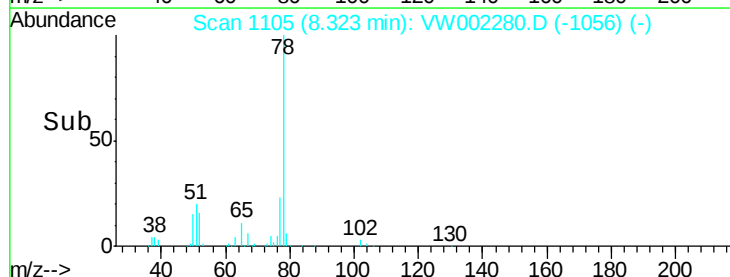
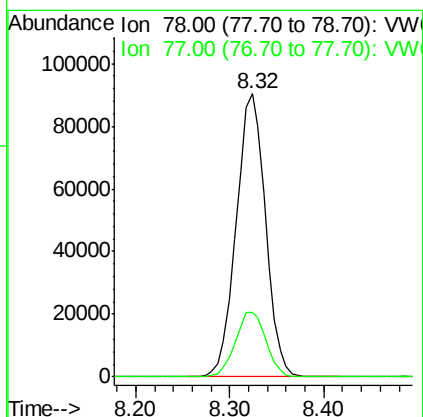
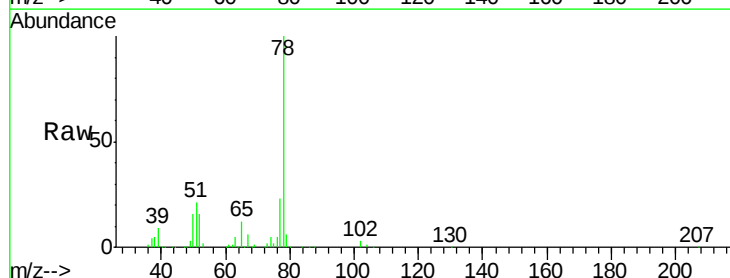
Acq: 08 May 2018 00:36

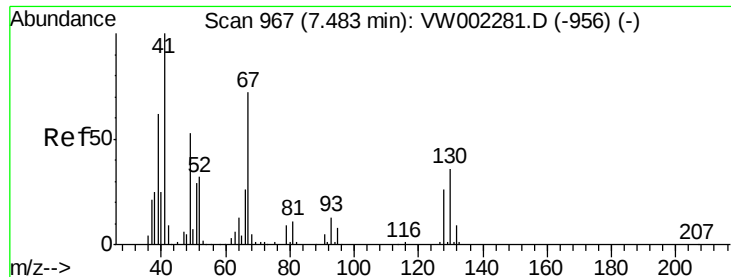
Tgt Ion: 78 Resp: 195373

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

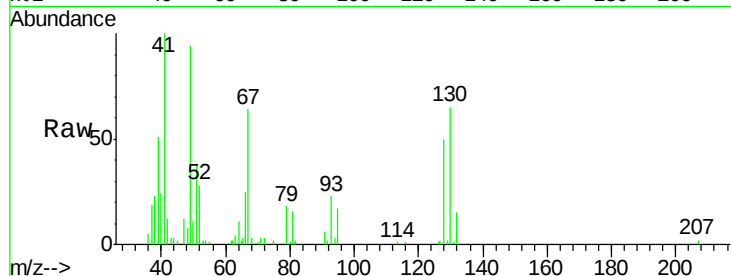




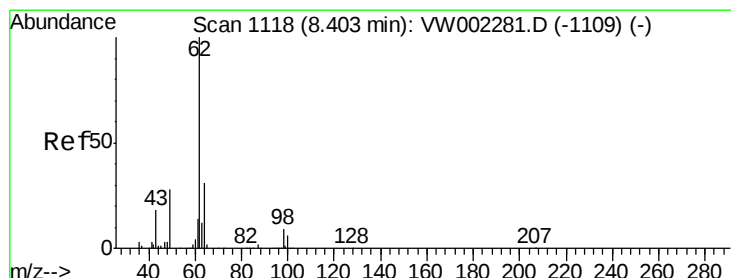
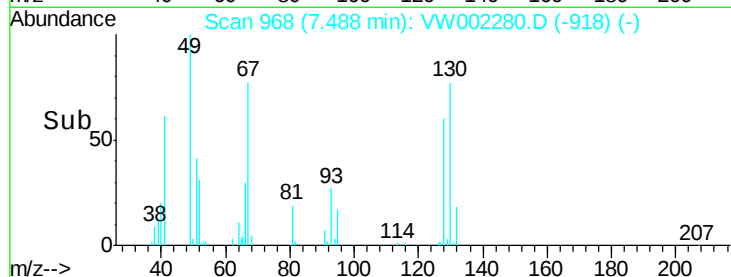
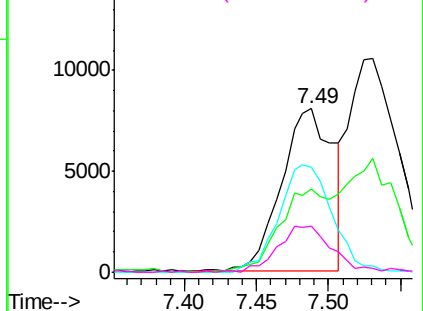
#41
Methacrylonitrile
Concen: 33.24 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	20185
Ion	Ratio	Lower	Upper
41	100		
39	48.7	40.2	60.4
67	68.4	54.7	82.1
52	30.4	23.6	35.4

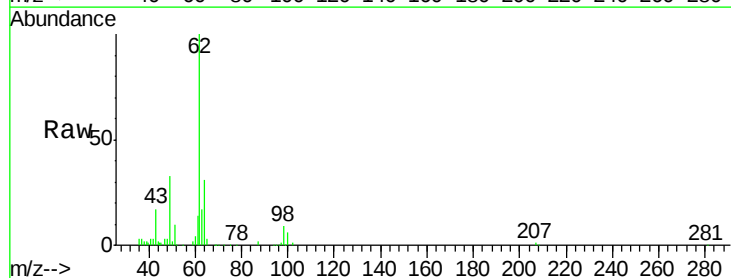


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

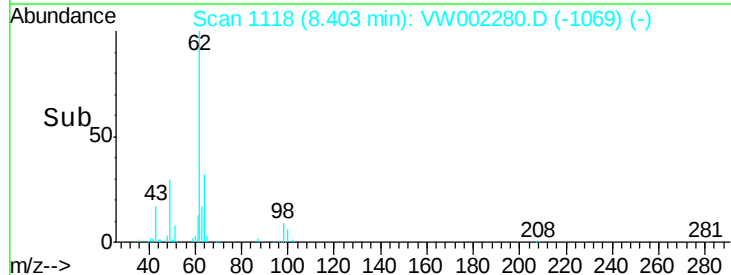
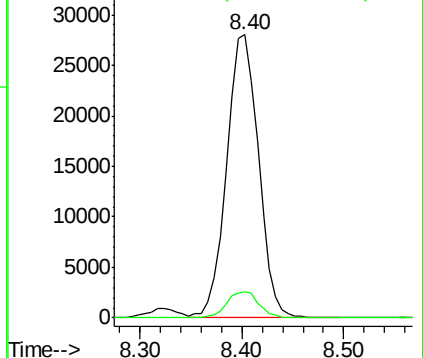


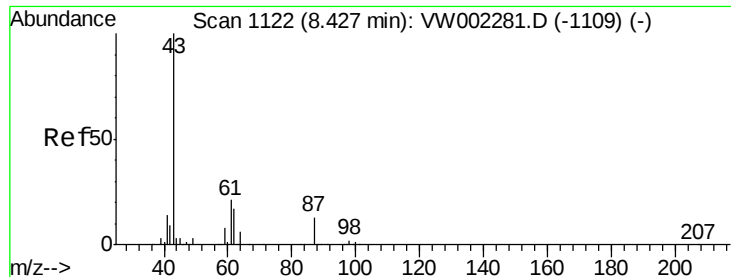
#42
1,2-Dichloroethane
Concen: 20.63 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion:	62	Resp:	60597
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 27.20 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

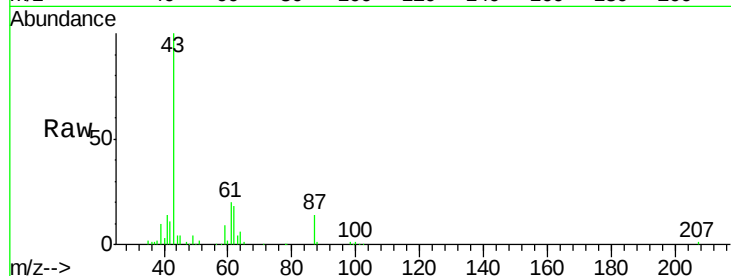
Tot Ion: 43 Resp: 59123

Ion Ratio Lower Upper

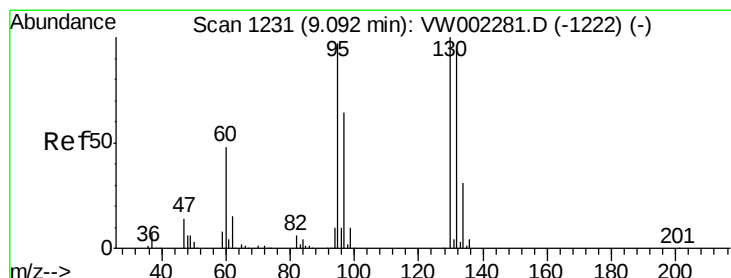
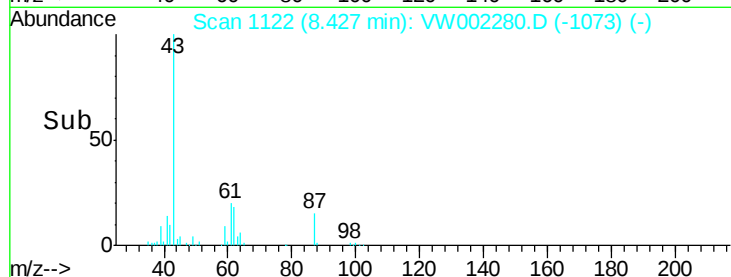
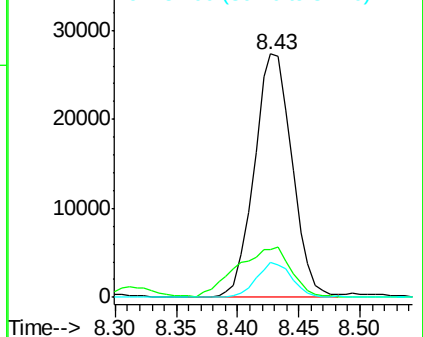
43 100

61 29.4 23.7 35.5

87 13.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 17.19 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002280.D

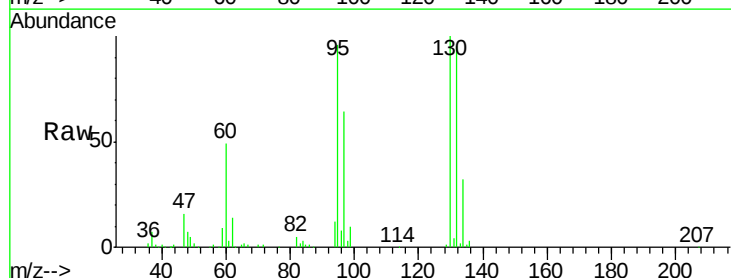
Acq: 08 May 2018 00:36

Tgt Ion: 130 Resp: 51698

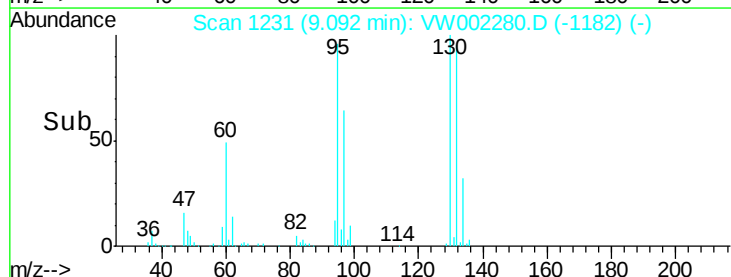
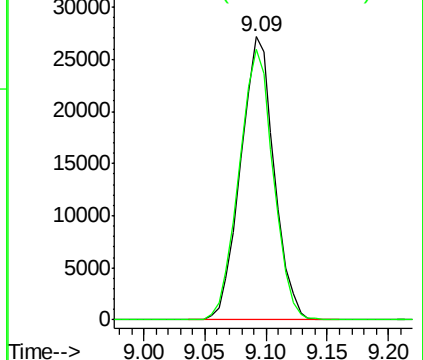
Ion Ratio Lower Upper

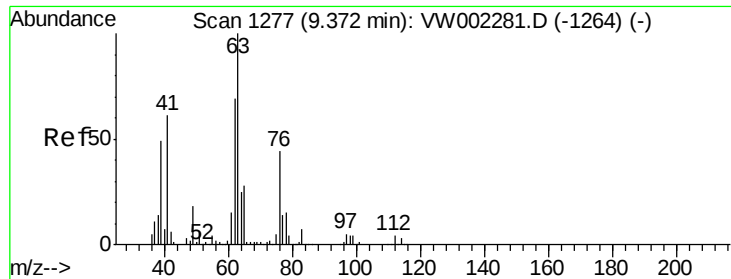
130 100

95 95.7 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

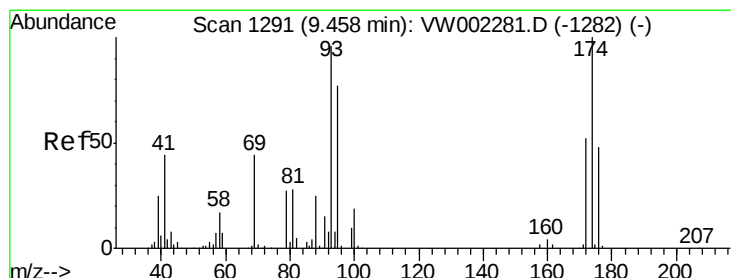
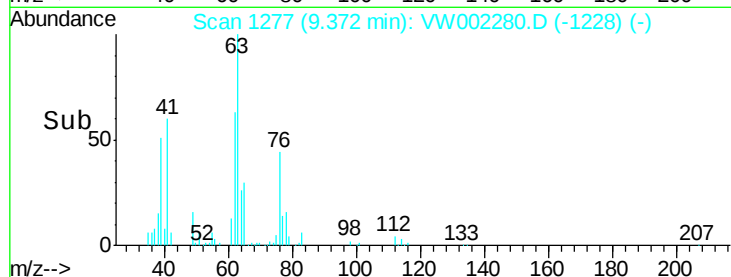
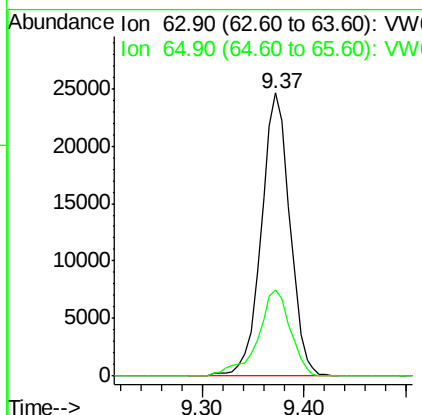
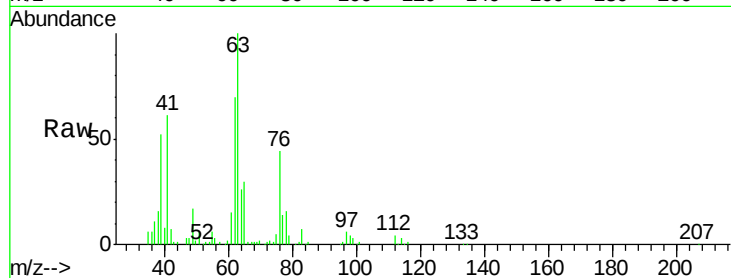




#45
 1,2-Dichloropropane
 Concen: 22.07 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

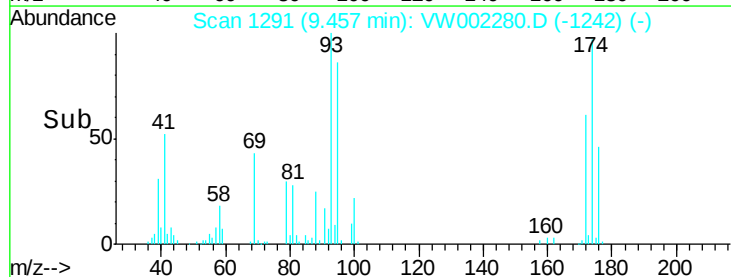
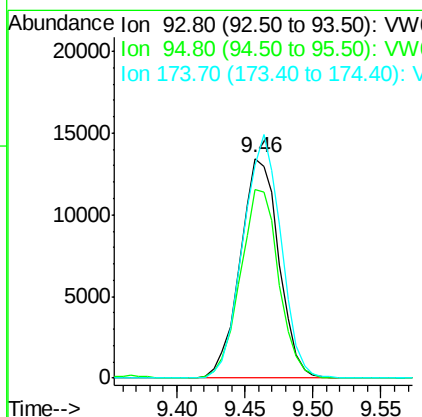
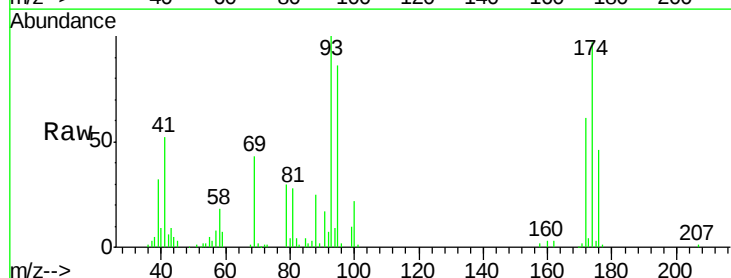
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

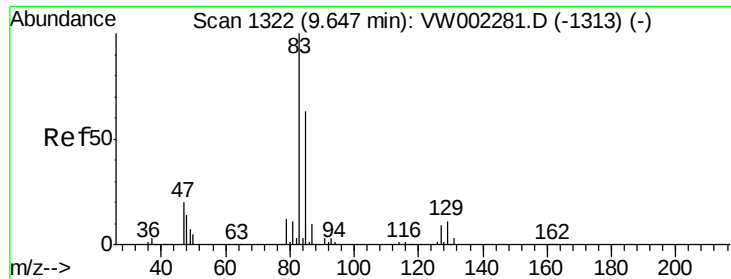
Tot Ion: 63 Resp: 47904
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.9 34.3



#46
 Dibromomethane
 Concen: 21.68 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion: 93 Resp: 26799
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.4 99.6
 174 108.7 86.8 130.2

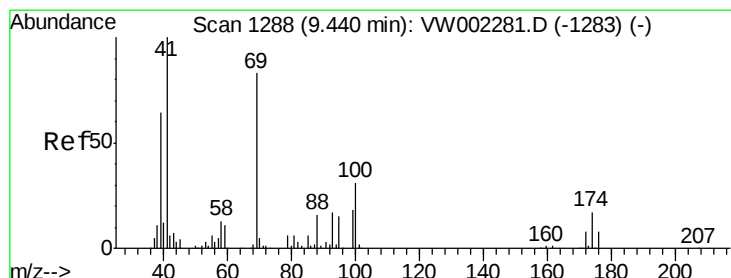
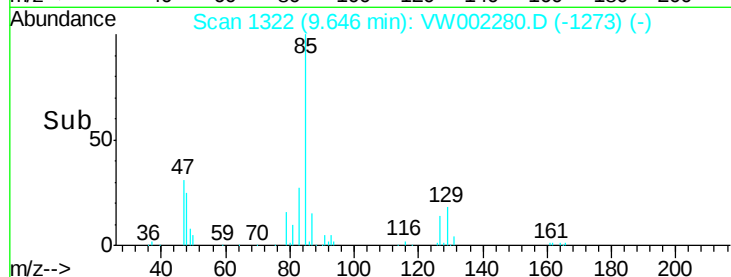
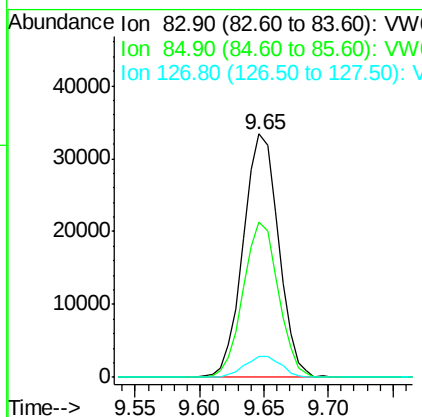
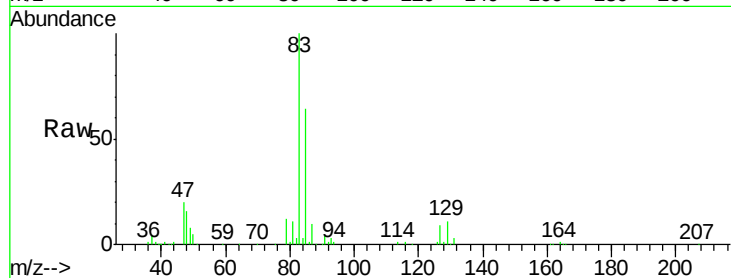




#47
Bromodichloromethane
Concen: 19.16 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

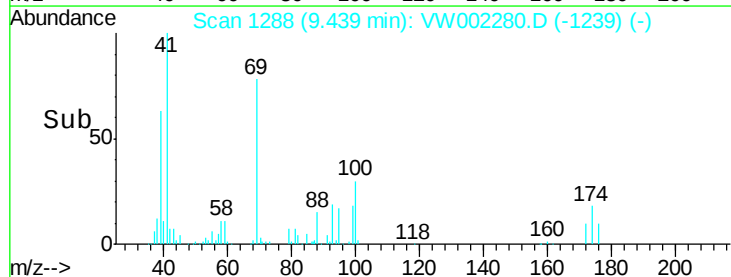
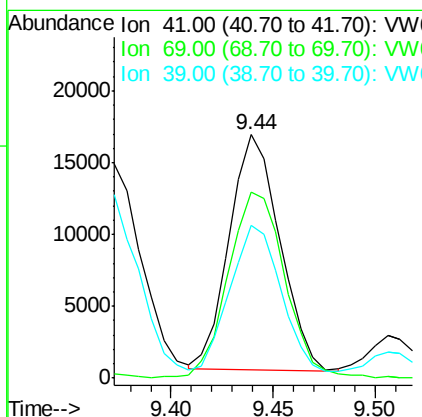
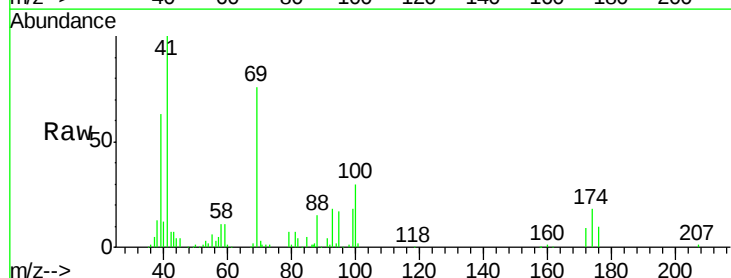
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

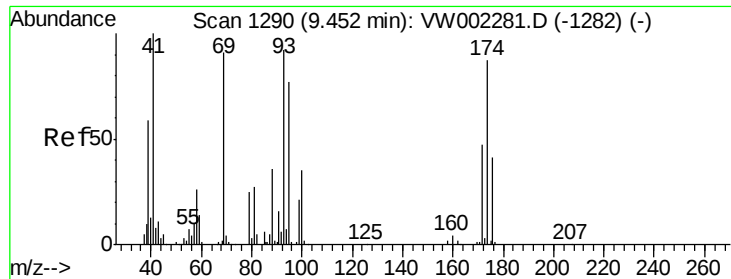
Tot Ion: 83 Resp: 63425
Ion Ratio Lower Upper
83 100
85 63.9 50.2 75.2
127 8.8 6.9 10.3



#48
Methyl methacrylate
Concen: 26.76 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 41 Resp: 28161
Ion Ratio Lower Upper
41 100
69 88.2 69.9 104.9
39 69.3 54.0 81.0





#49

1,4-Dioxane

Concen: 437.66 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

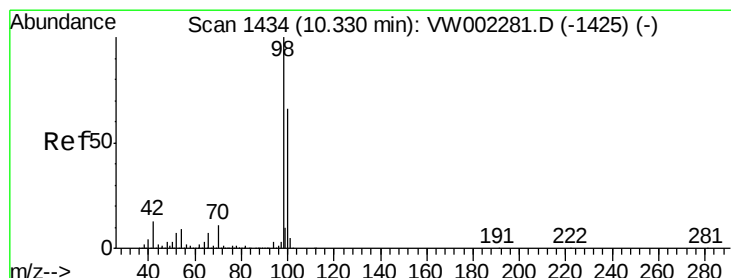
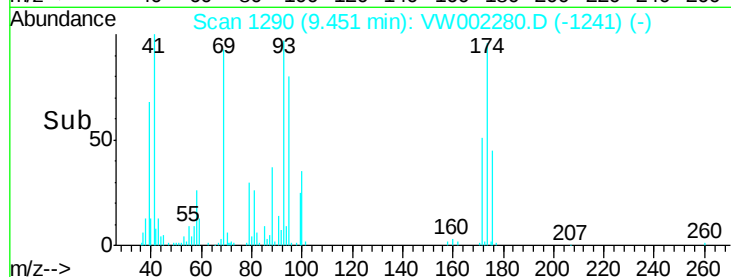
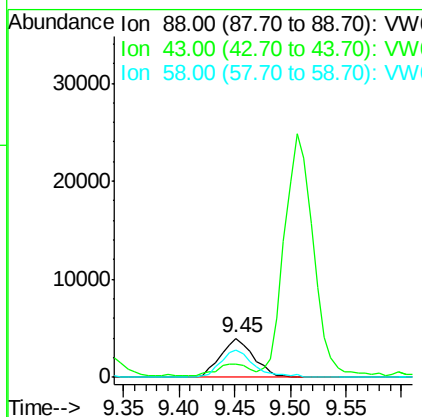
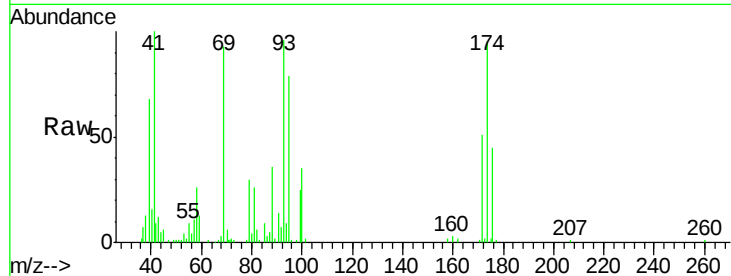
Tot Ion: 88 Resp: 8304

Ion Ratio Lower Upper

88 100

43 32.3 26.3 39.5

58 71.5 56.0 84.0



#50

Toluene-d8

Concen: 20.08 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002280.D

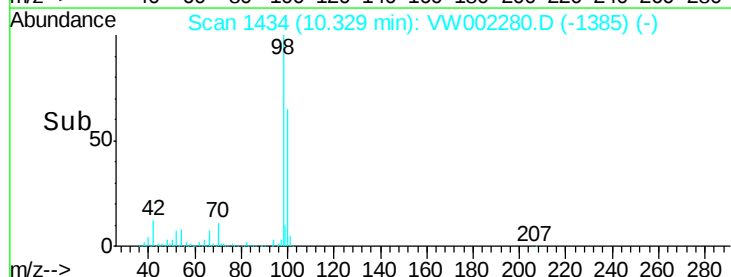
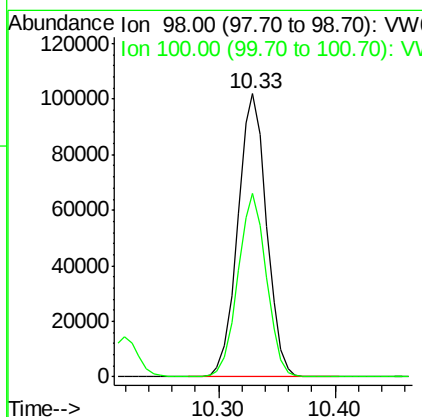
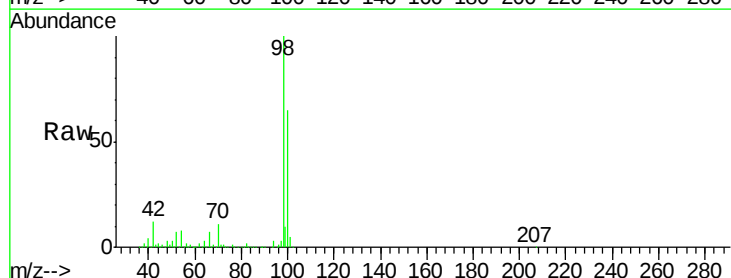
Acq: 08 May 2018 00:36

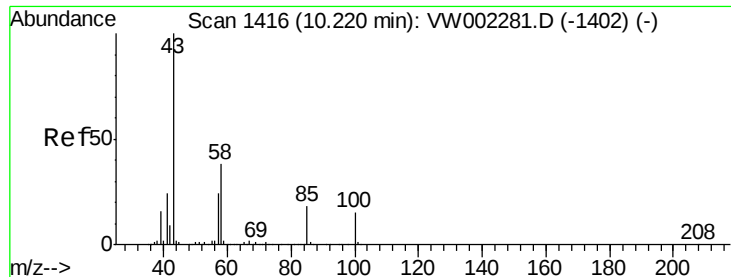
Tgt Ion: 98 Resp: 175211

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 150.52 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

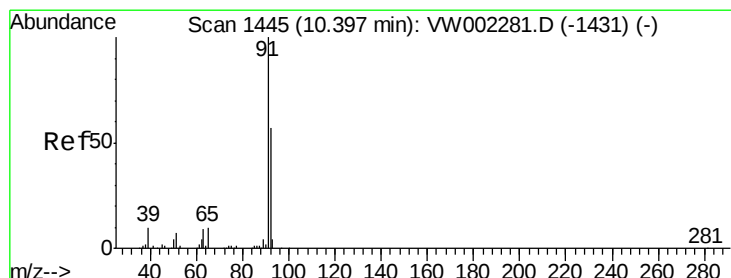
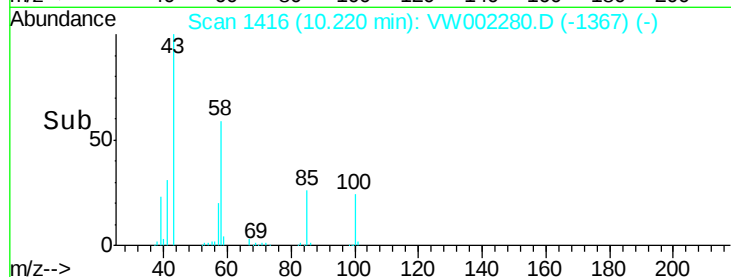
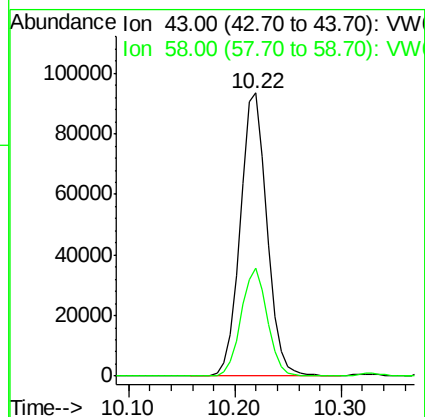
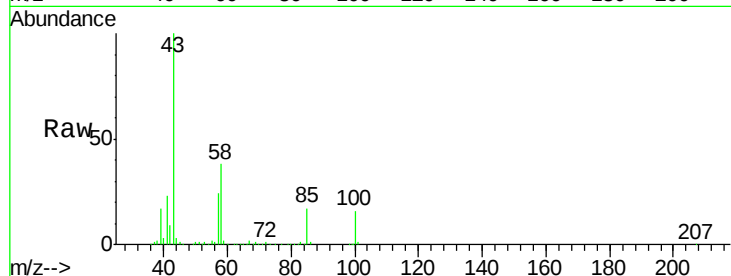
VSTDIC020

Tot Ion: 43 Resp: 164541

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.2



#52

Toluene

Concen: 19.59 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002280.D

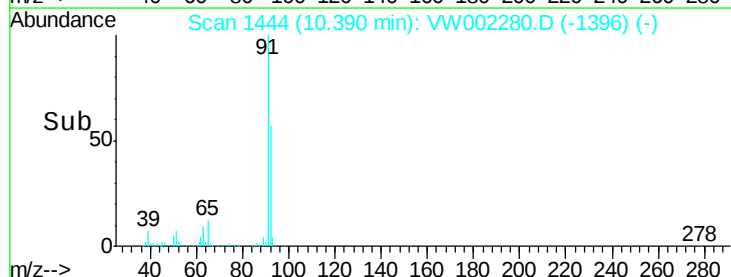
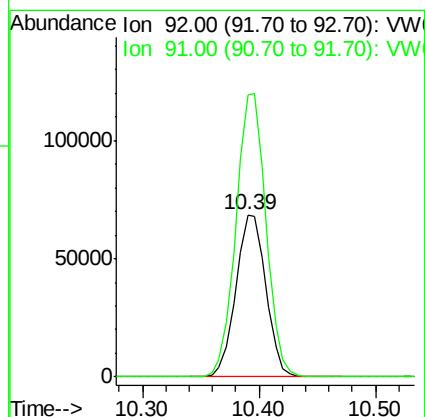
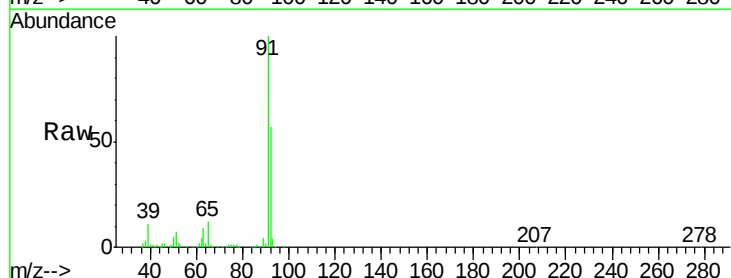
Acq: 08 May 2018 00:36

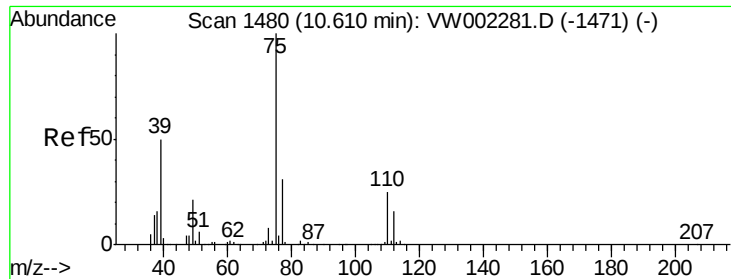
Tgt Ion: 92 Resp: 123079

Ion Ratio Lower Upper

92 100

91 174.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 20.61 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

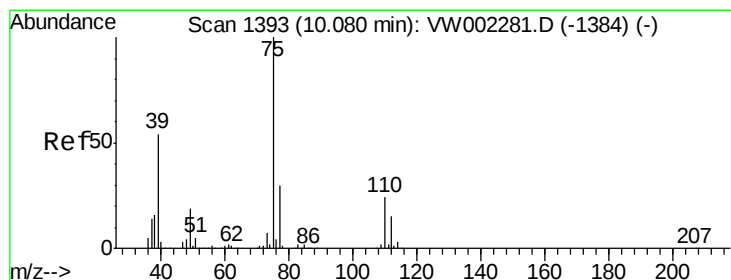
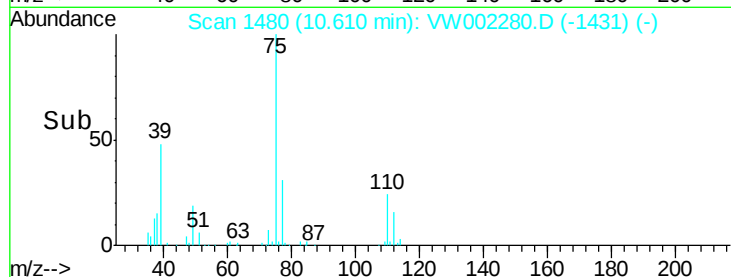
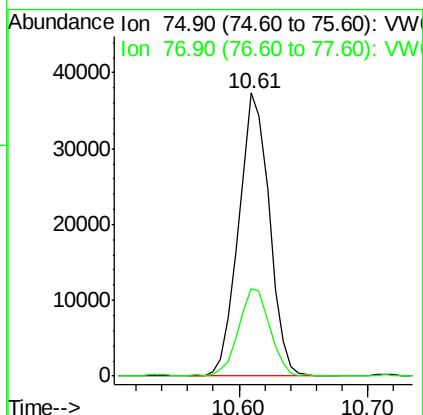
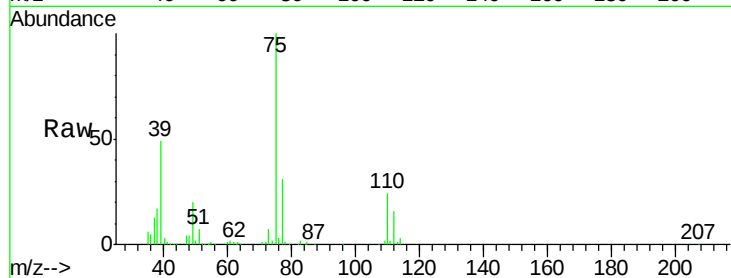
VSTDIC020

Tot Ion: 75 Resp: 61598

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.74 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

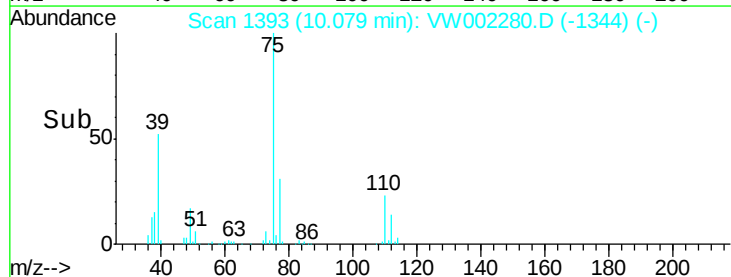
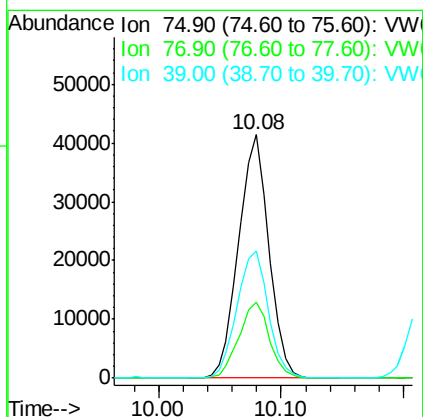
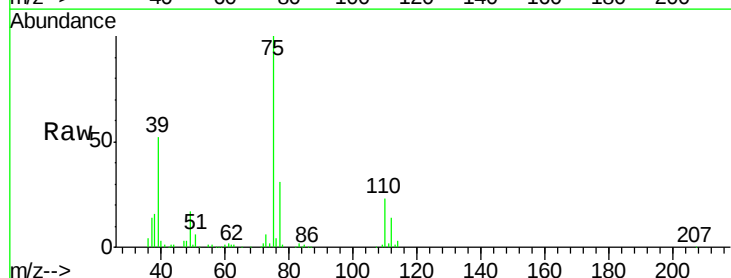
Tgt Ion: 75 Resp: 71079

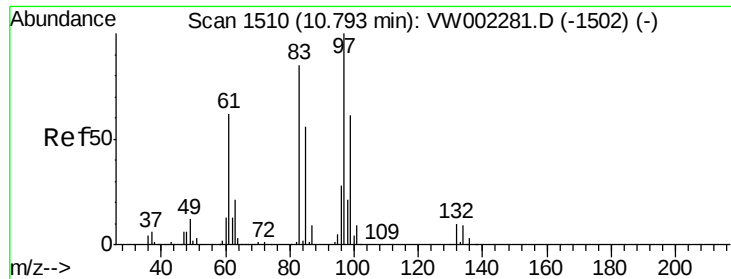
Ion Ratio Lower Upper

75 100

77 31.0 23.9 35.9

39 52.1 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 21.02 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 38126

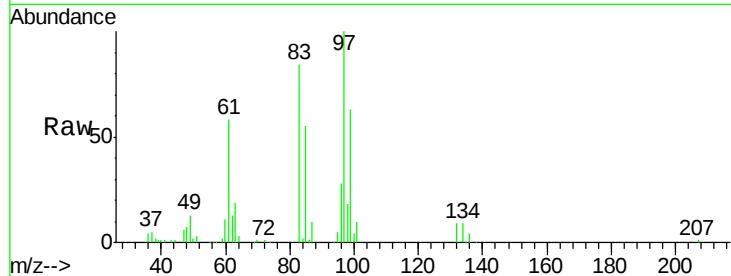
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.4	102.6
85	55.5	44.6	67.0
99	63.4	48.8	73.2

97 100

83 83.9 68.4 102.6

85 55.5 44.6 67.0

99 63.4 48.8 73.2



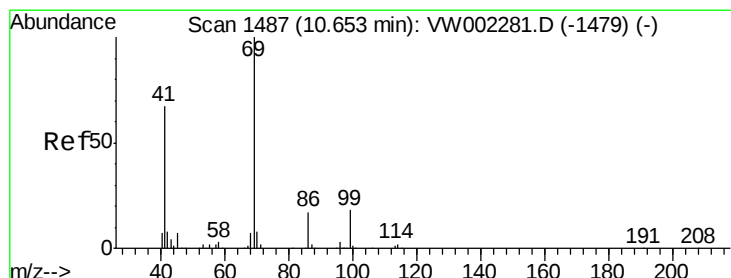
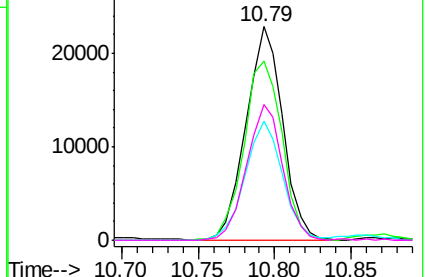
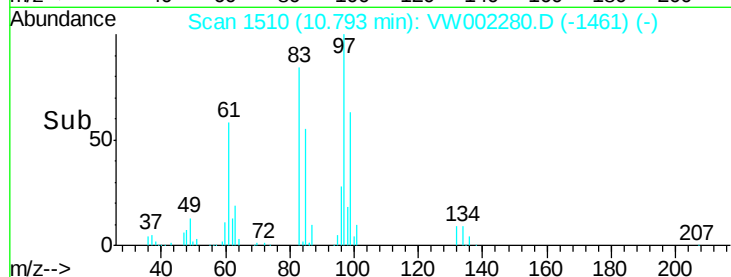
Abundance Ion 96.90 (96.60 to 97.60): VW

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

Time-->



#56

Ethyl methacrylate

Concen: 23.97 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

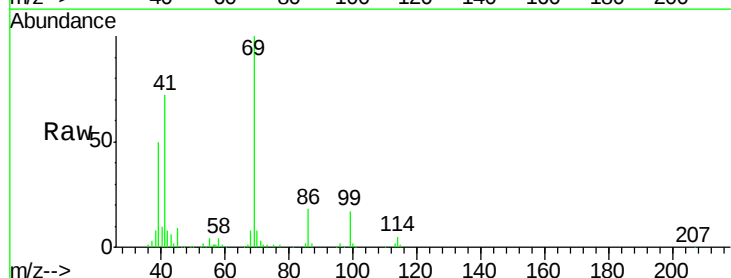
Tgt Ion: 69 Resp: 44989

Ion	Ratio	Lower	Upper
69	100		
41	68.1	56.0	84.0
39	42.6	32.7	49.1

69 100

41 68.1 56.0 84.0

39 42.6 32.7 49.1

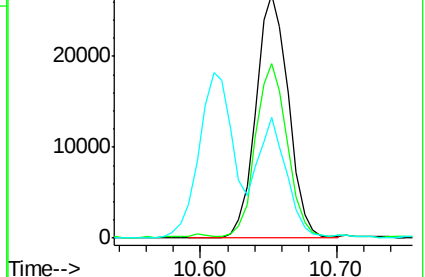
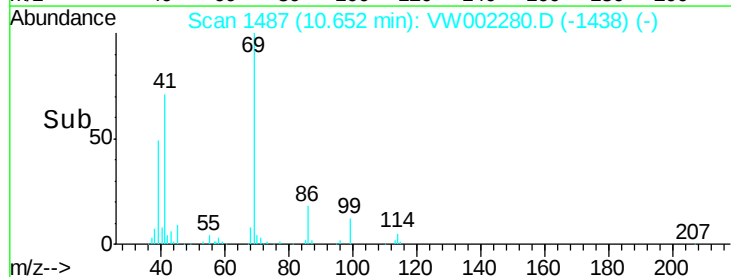


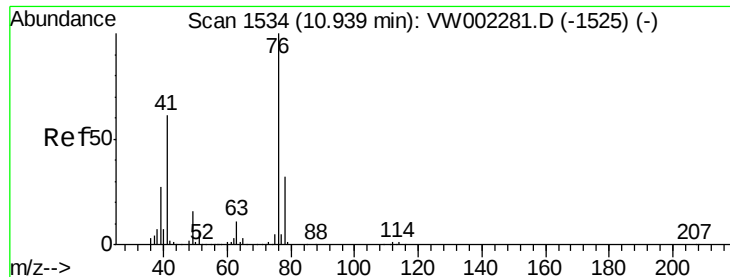
Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

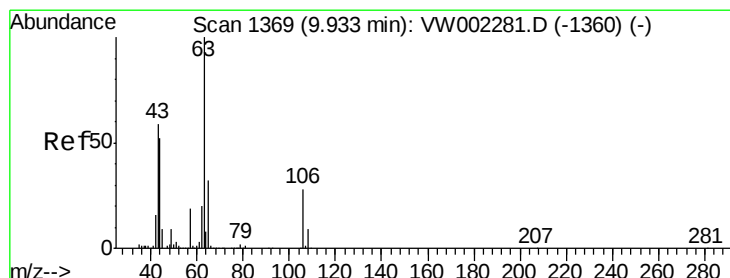
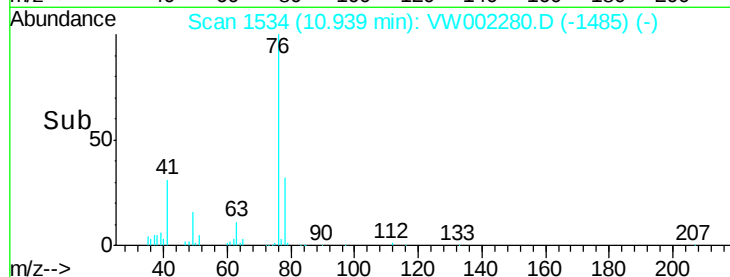
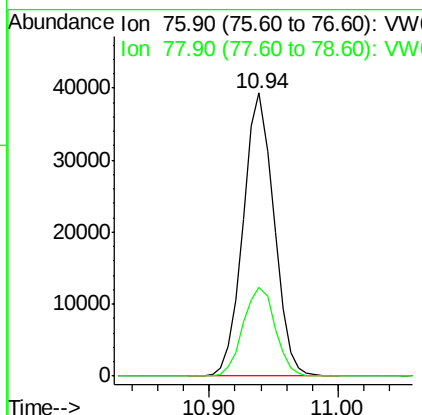
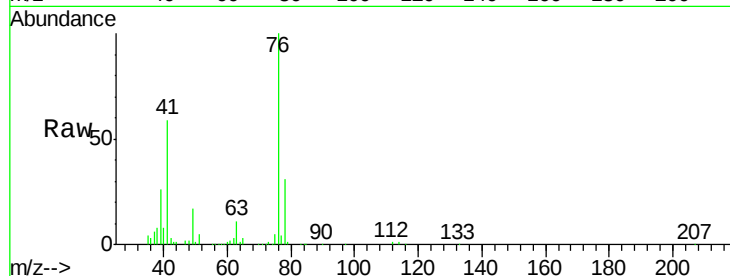




#57
 1,3-Dichloropropane
 Concen: 22.83 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

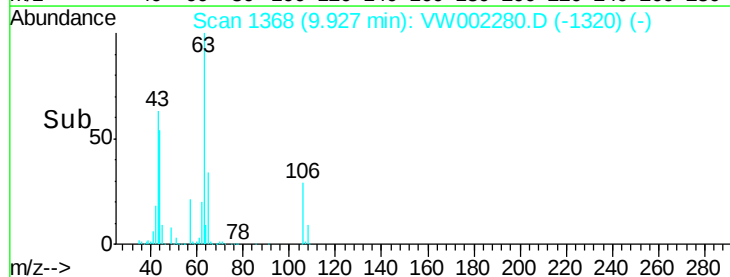
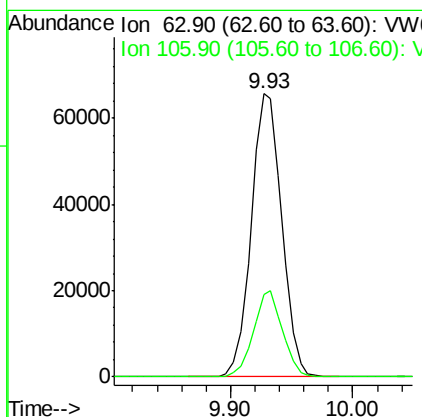
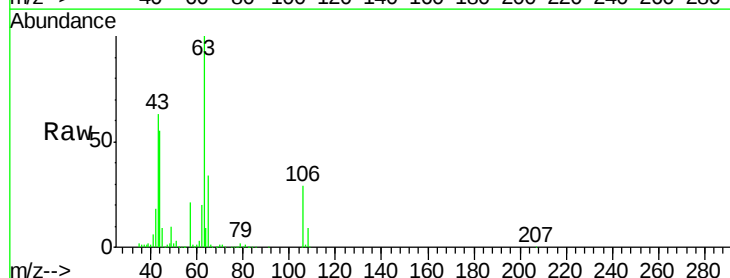
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

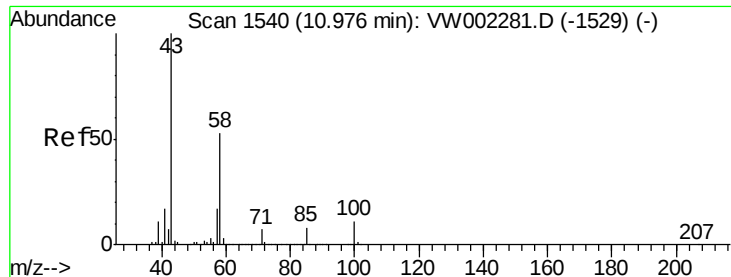
Tot Ion: 76 Resp: 64882
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 139.09 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion: 63 Resp: 113654
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.5 33.7

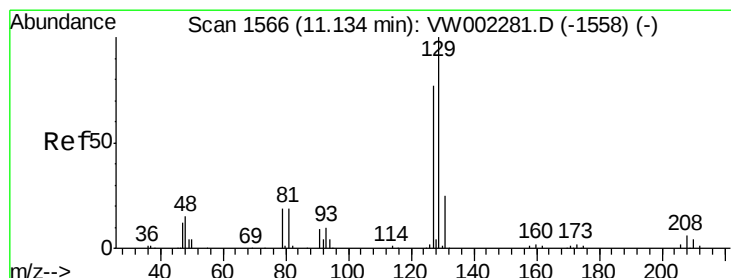
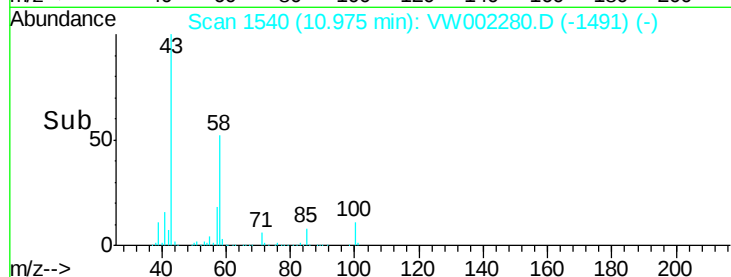
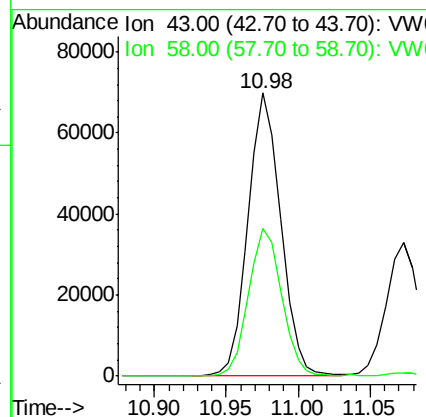
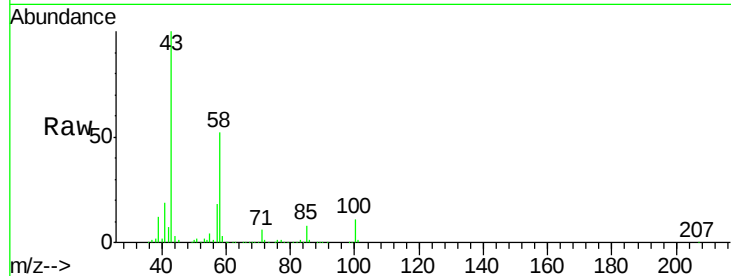




#59
2-Hexanone
Concen: 141.02 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

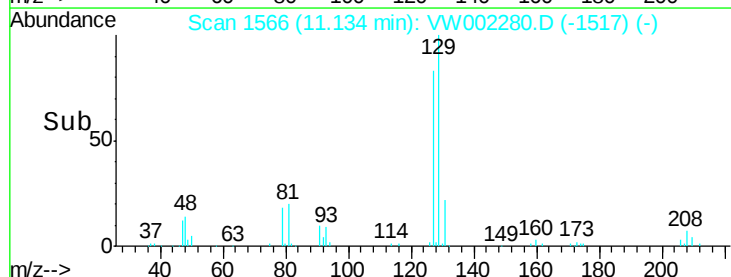
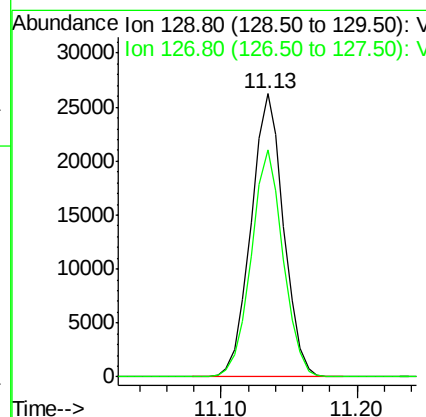
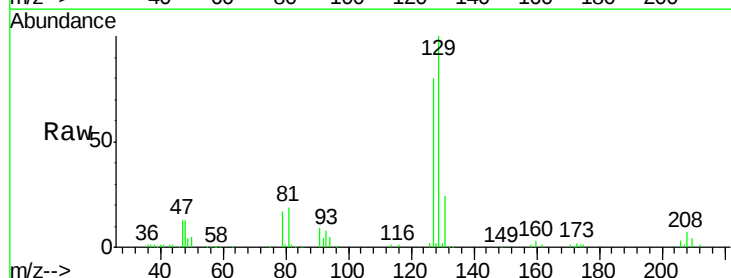
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

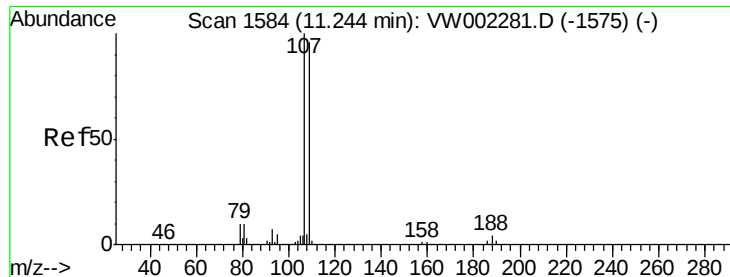
Tot Ion: 43 Resp: 110519
Ion Ratio Lower Upper
43 100
58 52.6 26.0 78.0



#60
Dibromochloromethane
Concen: 18.06 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 129 Resp: 44081
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 21.70 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

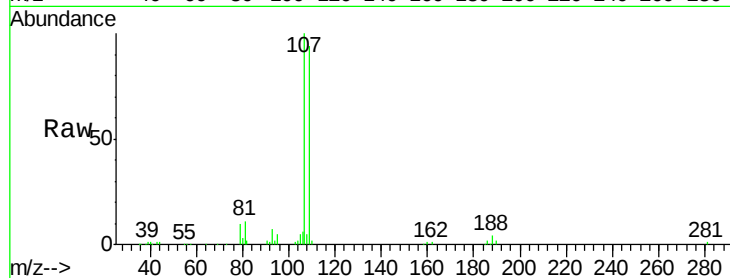
VSTDIC020

Tot Ion:107 Resp: 36497

Ion Ratio Lower Upper

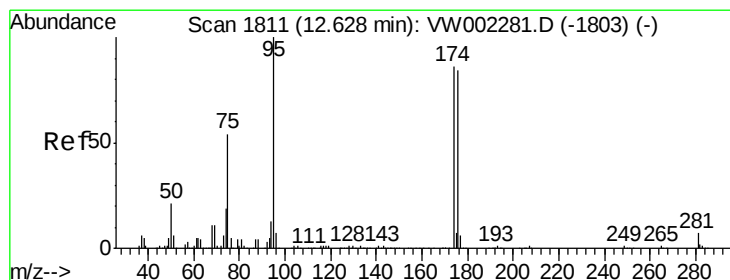
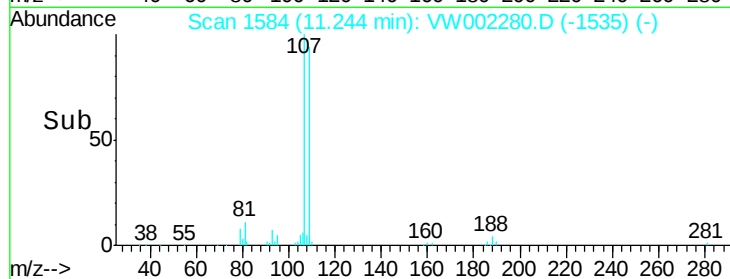
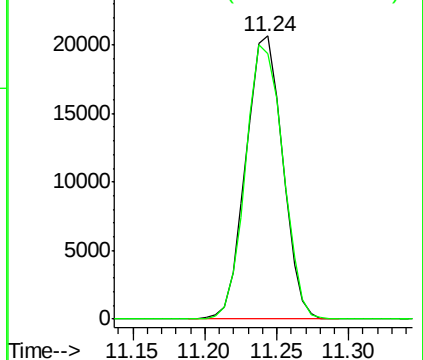
107 100

109 98.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.31 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

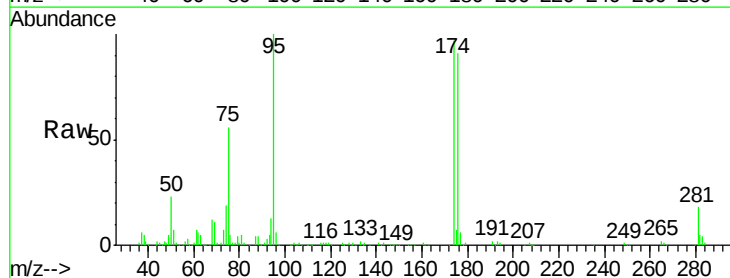
Tgt Ion: 95 Resp: 61977

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

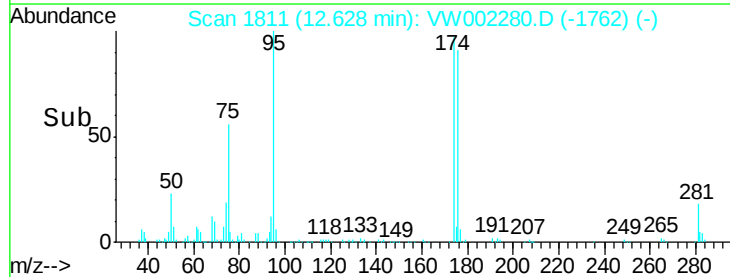
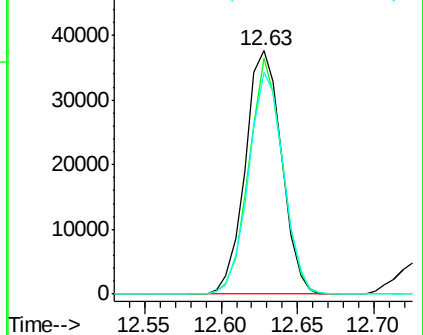
176 88.0 0.0 170.4

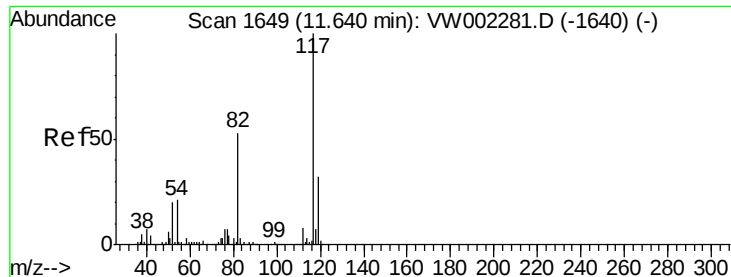


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

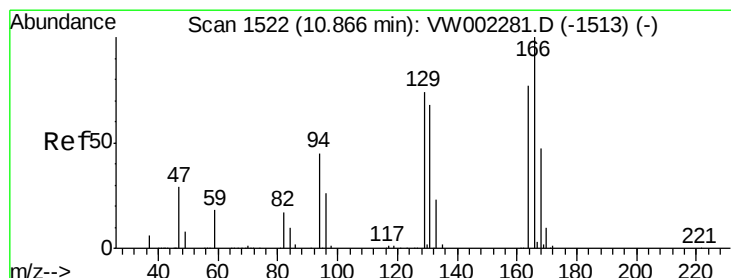
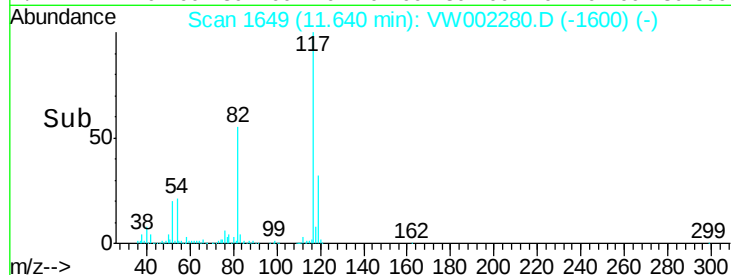
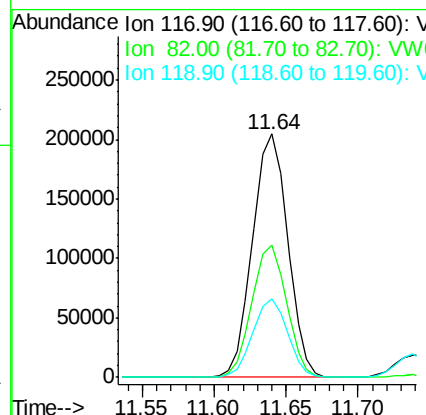
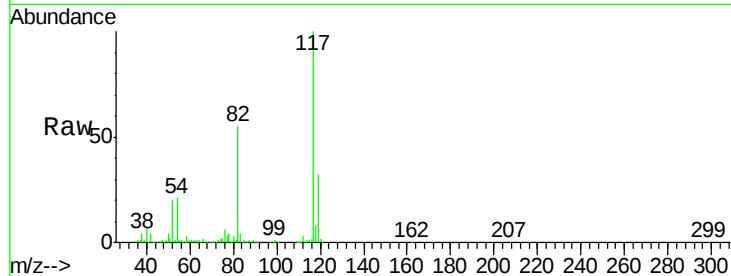




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

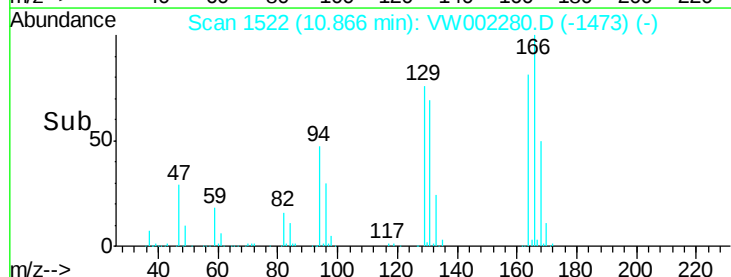
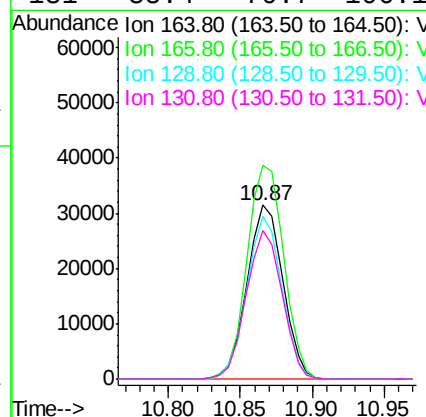
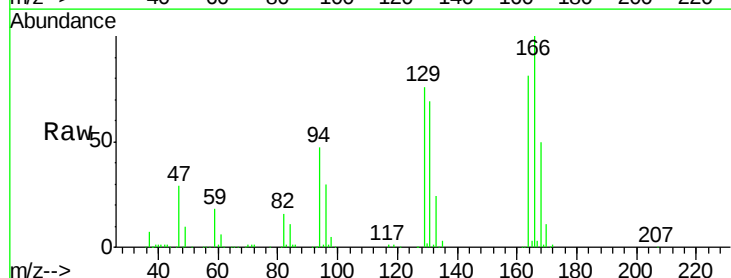
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

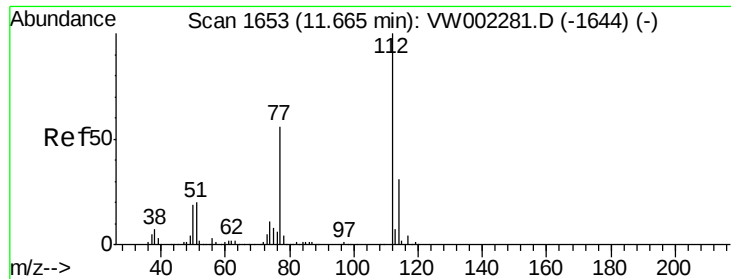
Tot Ion:117 Resp: 346564
Ion Ratio Lower Upper
117 100
82 54.6 42.6 63.8
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 18.35 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion:164 Resp: 54175
Ion Ratio Lower Upper
164 100
166 123.1 103.3 154.9
129 93.4 76.6 114.8
131 85.4 70.7 106.1





#65

Chlorobenzene

Concen: 18.91 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

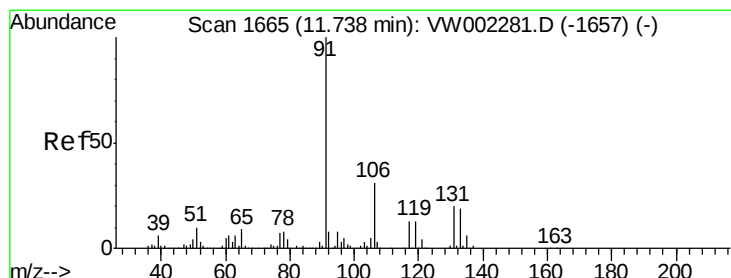
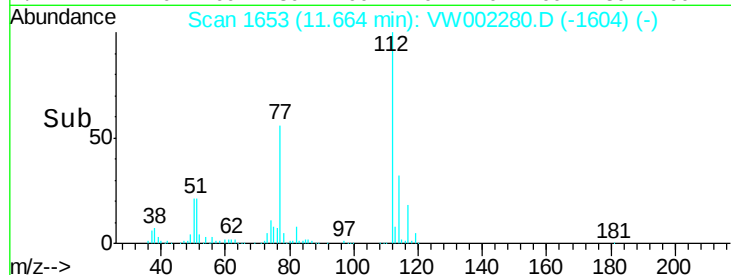
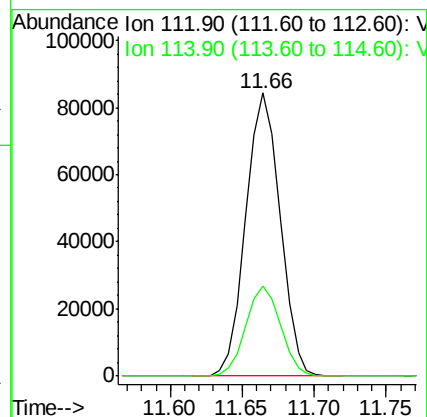
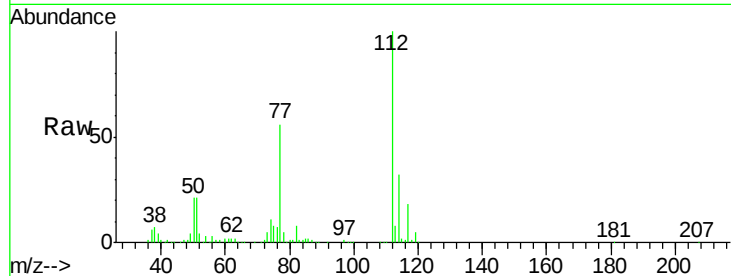
VSTDIC020

Tot Ion:112 Resp: 139241

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 17.29 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

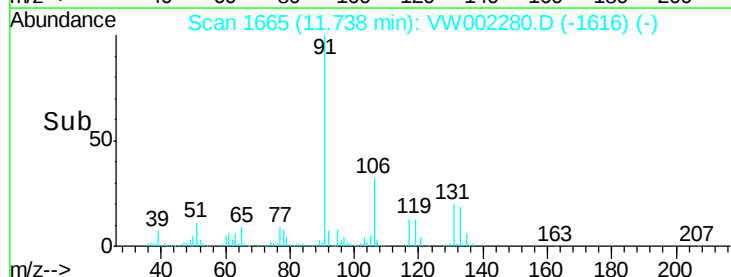
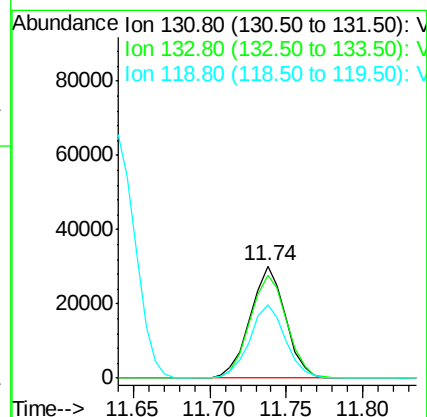
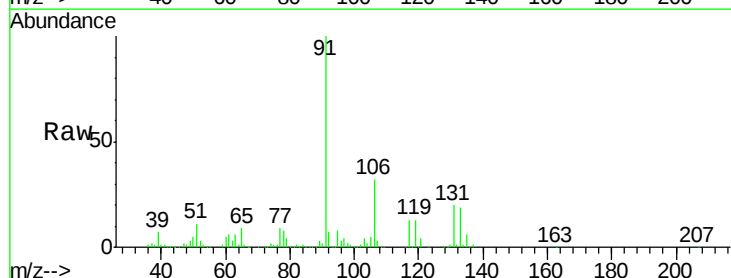
Tgt Ion:131 Resp: 48247

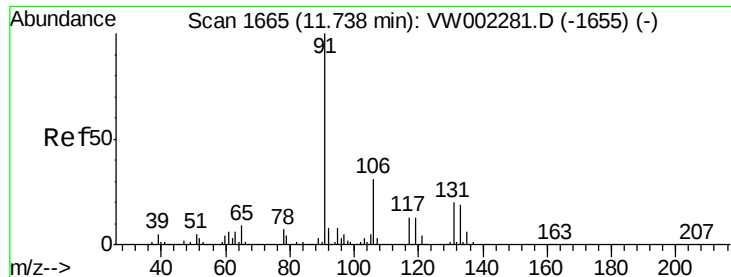
Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 66.2 32.0 96.0

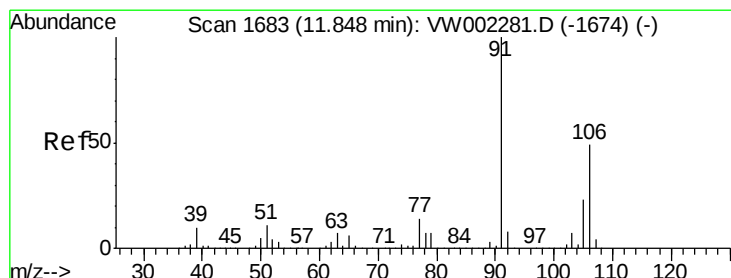
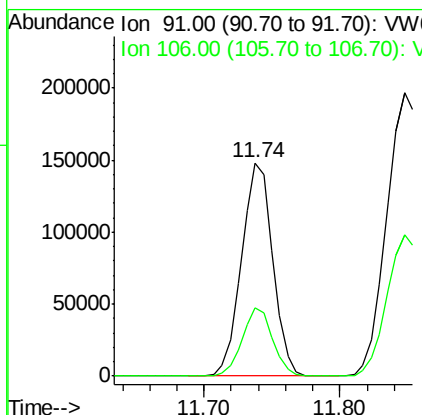
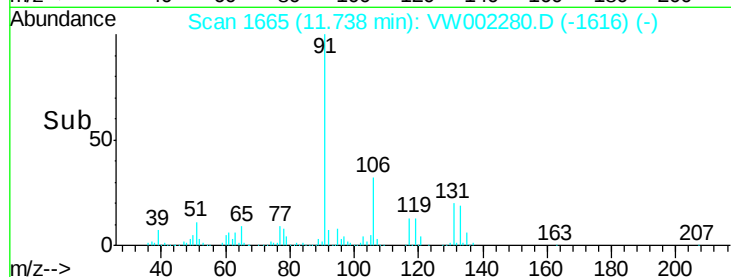
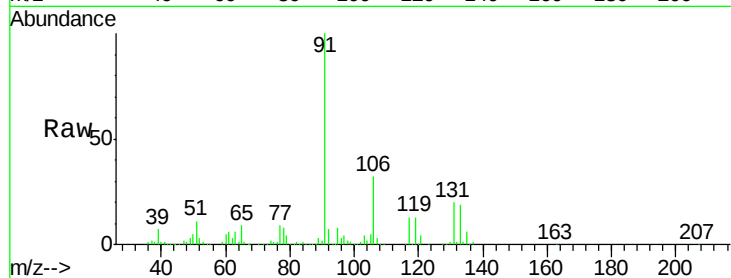




#67
Ethyl Benzene
Concen: 19.78 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

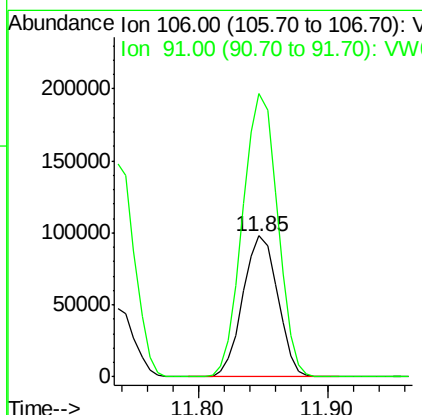
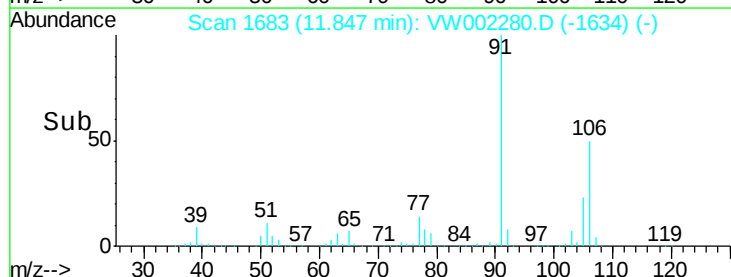
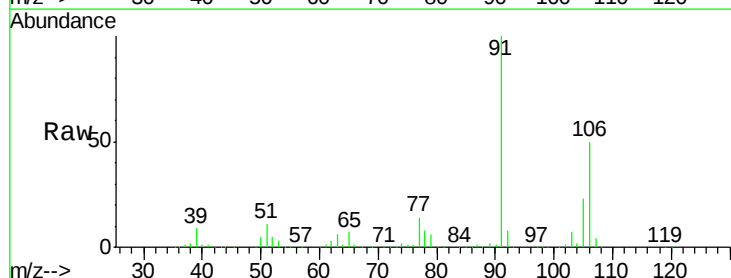
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

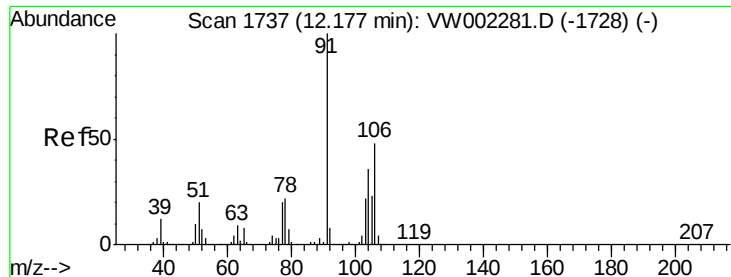
Tot Ion: 91 Resp: 237722
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#68
m/p-Xylenes
Concen: 37.88 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion: 106 Resp: 183257
Ion Ratio Lower Upper
106 100
91 201.4 161.4 242.0

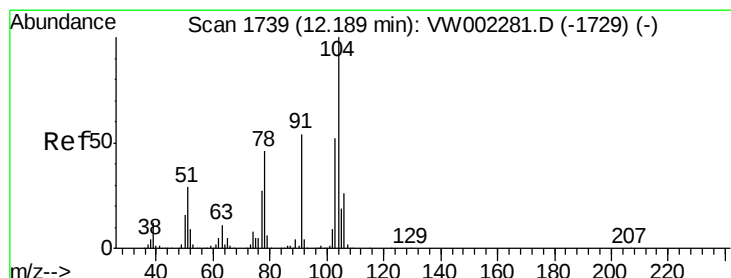
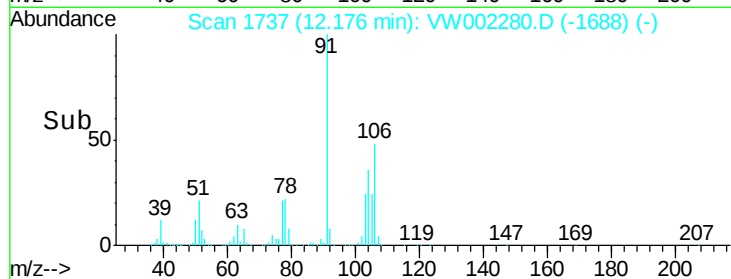
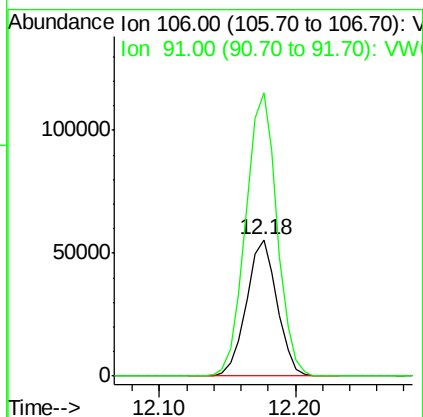
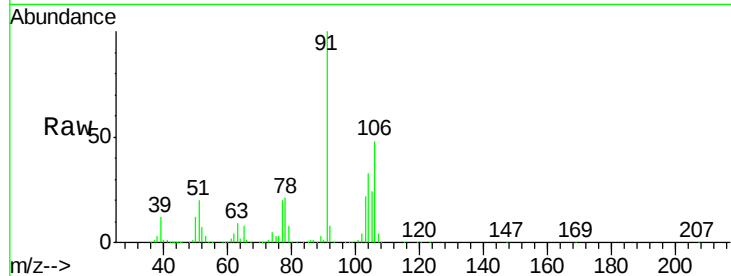




#69
o-Xylene
Concen: 20.09 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

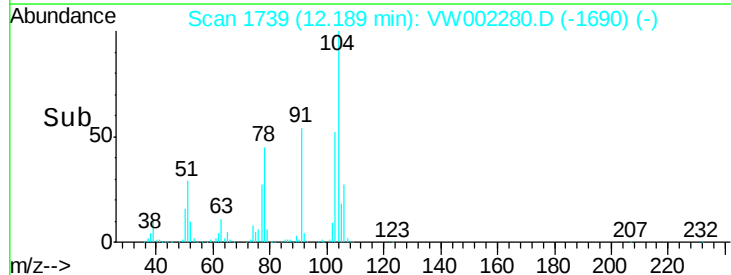
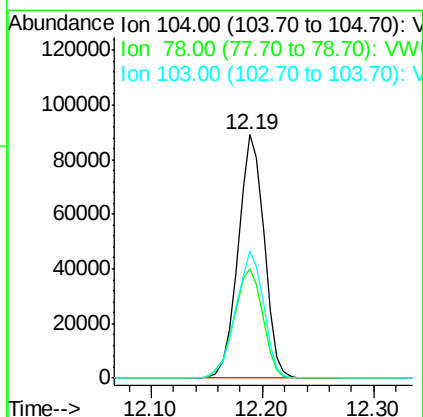
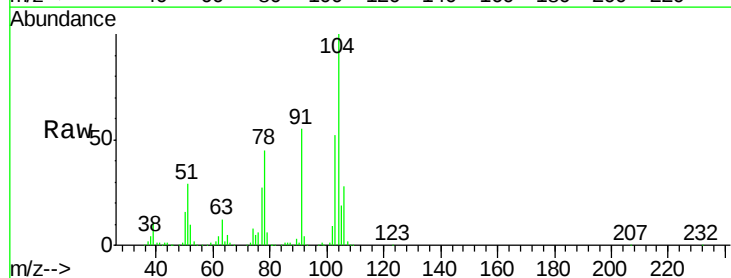
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

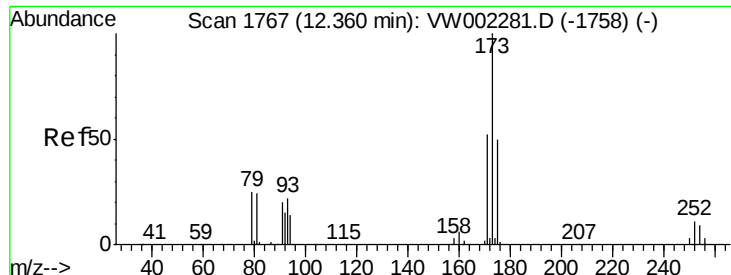
Tot Ion:106 Resp: 87485
Ion Ratio Lower Upper
106 100
91 212.2 107.1 321.1



#70
Styrene
Concen: 19.82 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Tgt Ion:104 Resp: 143699
Ion Ratio Lower Upper
104 100
78 49.9 39.6 59.4
103 56.1 44.4 66.6





#71

Bromoform

Concen: 17.84 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

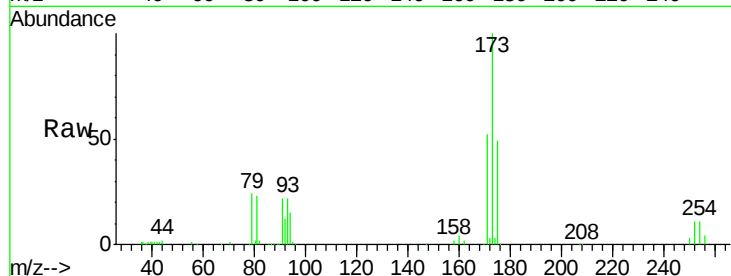
Tot Ion:173 Resp: 27397

Ion Ratio Lower Upper

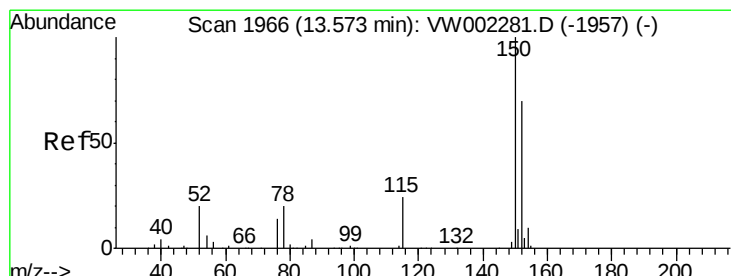
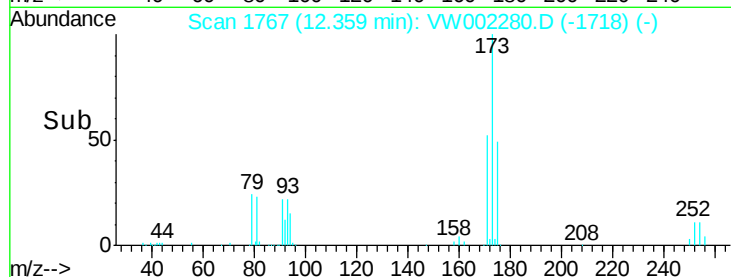
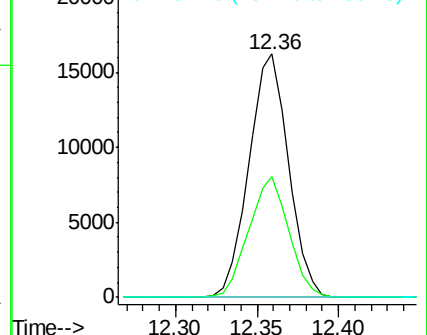
173 100

175 50.2 24.3 72.9

254 0.0 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: VW002280.D

Acq: 08 May 2018 00:36

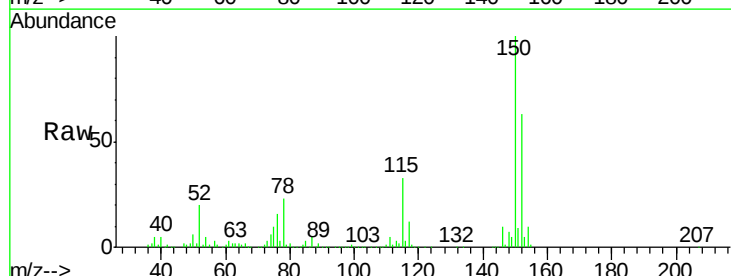
Tgt Ion:152 Resp: 185491

Ion Ratio Lower Upper

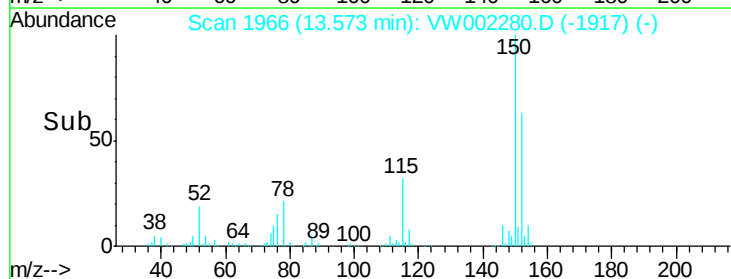
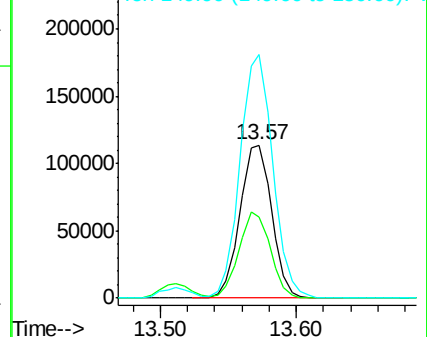
152 100

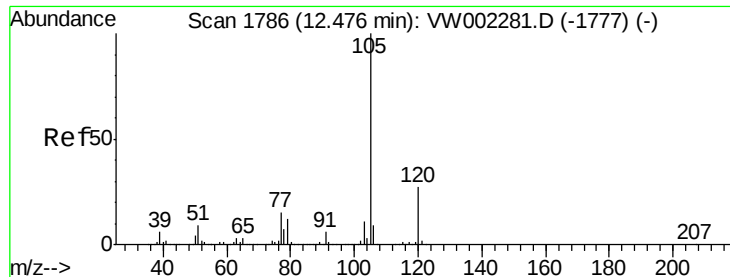
115 55.5 28.5 85.5

150 164.1 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: 20.33 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

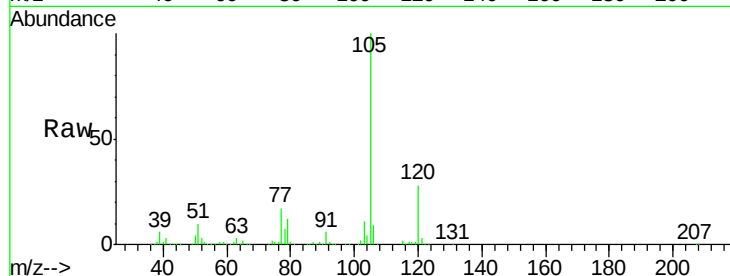
VSTDIC020

Tot Ion:105 Resp: 233277

Ion Ratio Lower Upper

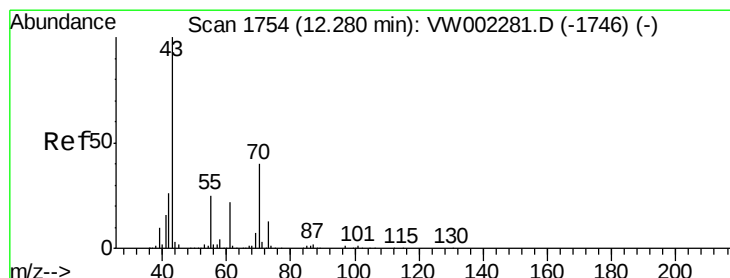
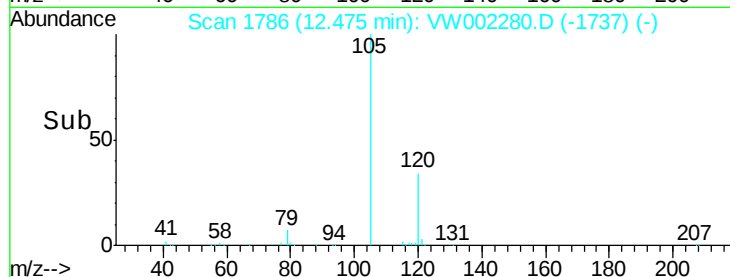
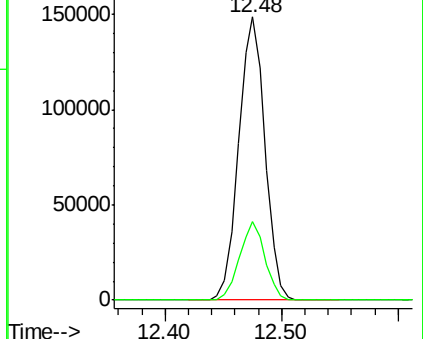
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 31.04 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Tgt Ion: 43 Resp: 57704

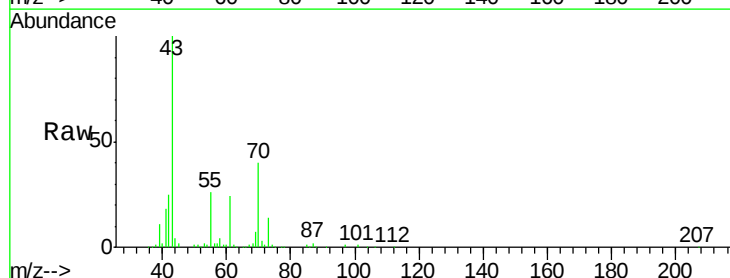
Ion Ratio Lower Upper

43 100

70 39.5 31.9 47.9

55 26.2 19.9 29.9

61 22.6 18.2 27.2

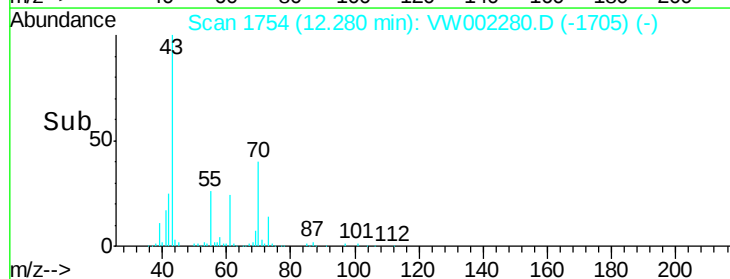
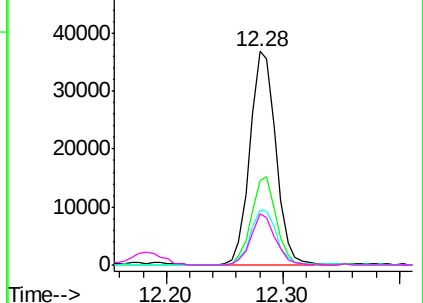


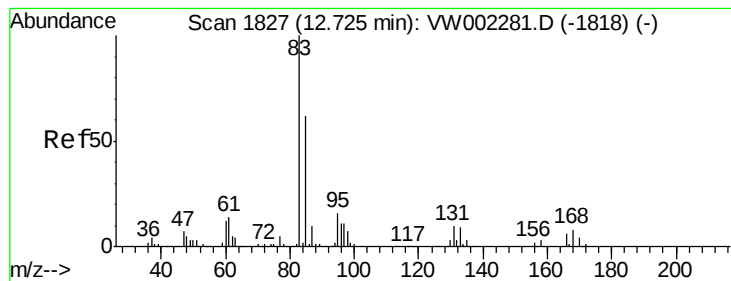
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 26.01 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

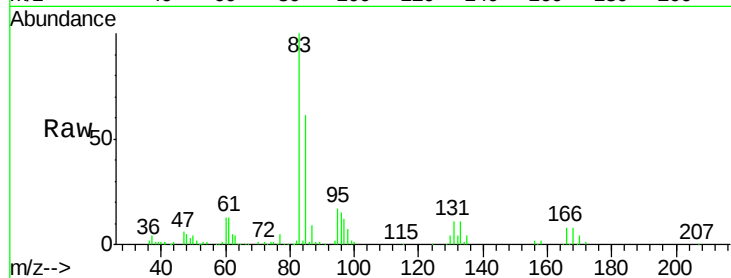
Tot Ion: 83 Resp: 45451

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.5

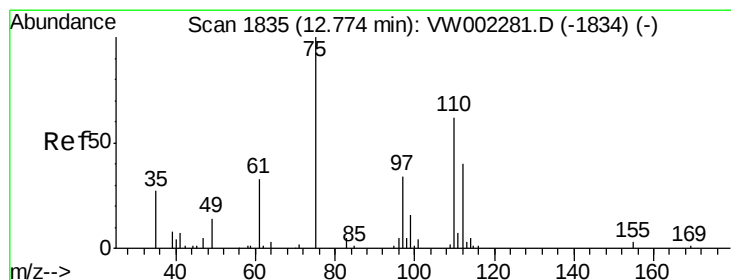
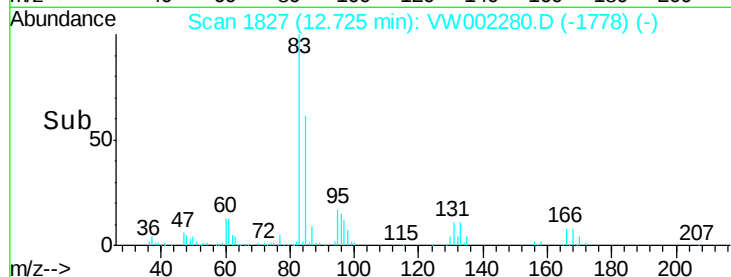
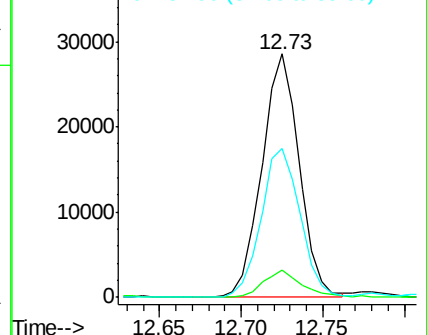
85 64.0 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 28.47 ug/l m

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002280.D

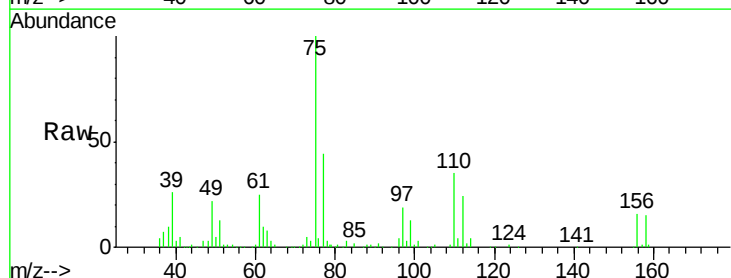
Acq: 08 May 2018 00:36

Tgt Ion: 75 Resp: 35750

Ion Ratio Lower Upper

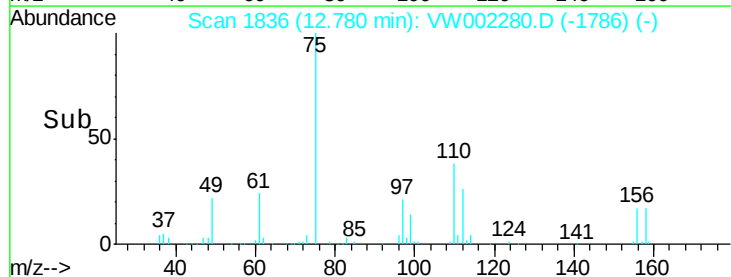
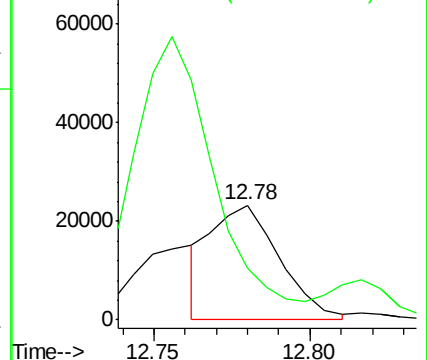
75 100

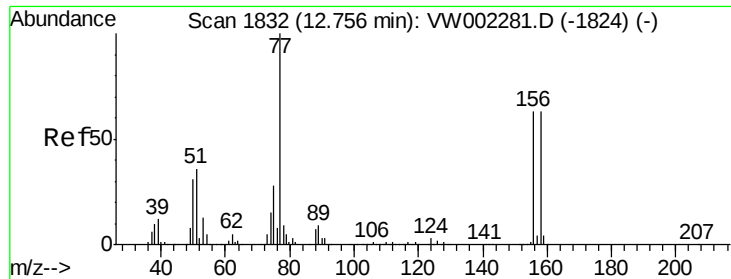
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

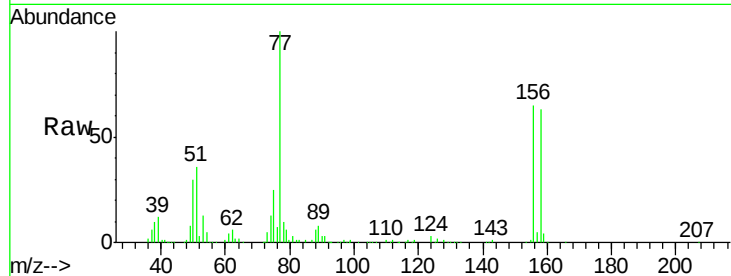
Tot Ion:156 Resp: 60531

Ion Ratio Lower Upper

156 100

77 173.7 87.7 263.1

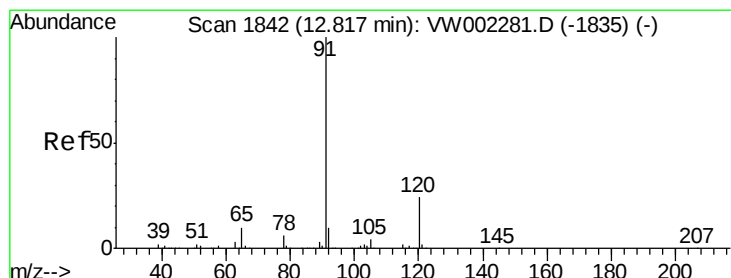
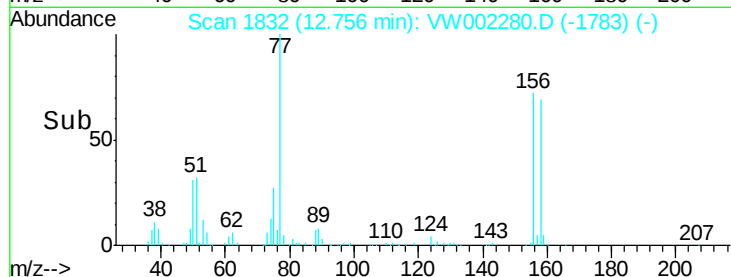
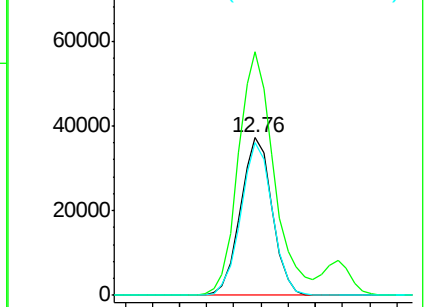
158 96.1 48.6 145.8



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: 20.93 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002280.D

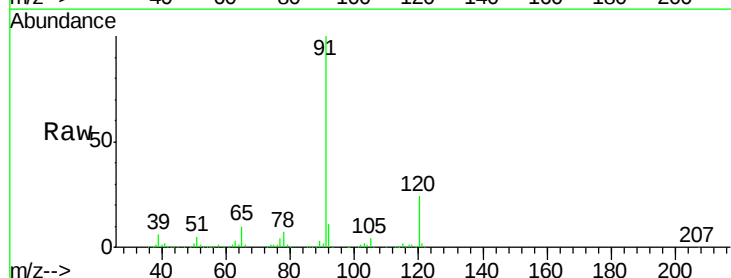
Acq: 08 May 2018 00:36

Tgt Ion: 91 Resp: 280790

Ion Ratio Lower Upper

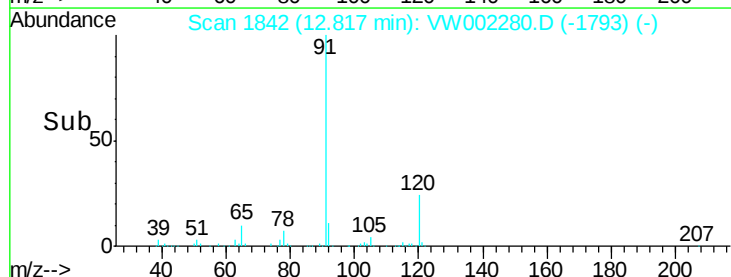
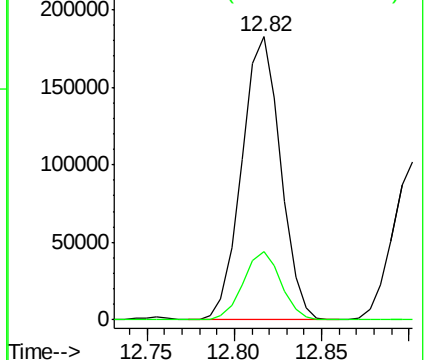
91 100

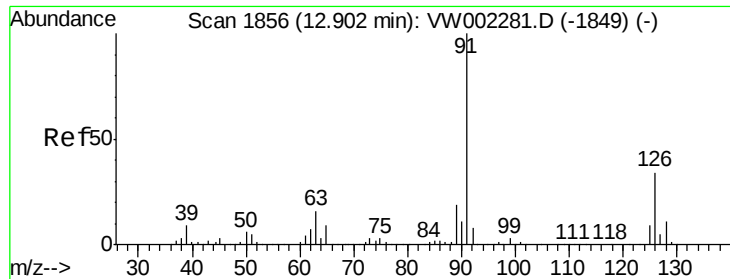
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.81 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

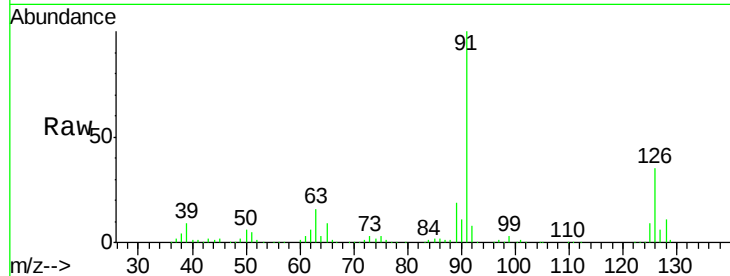
VSTDIC020

Tot Ion: 91 Resp: 163914

Ion Ratio Lower Upper

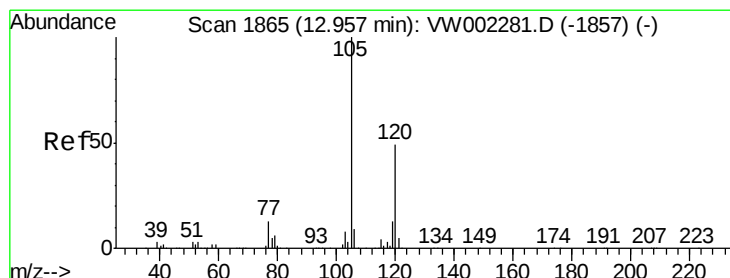
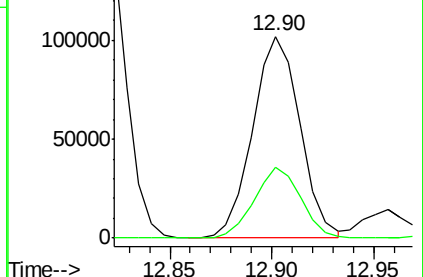
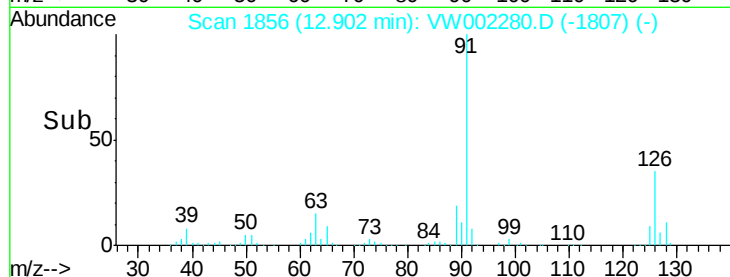
91 100

126 34.6 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: 20.18 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002280.D

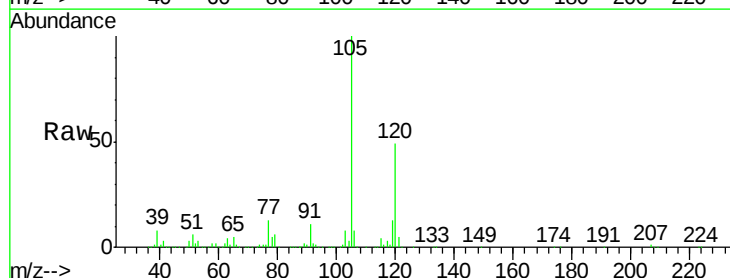
Acq: 08 May 2018 00:36

Tgt Ion:105 Resp: 202115

Ion Ratio Lower Upper

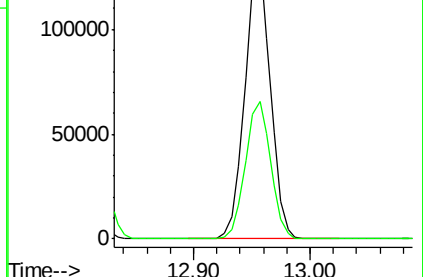
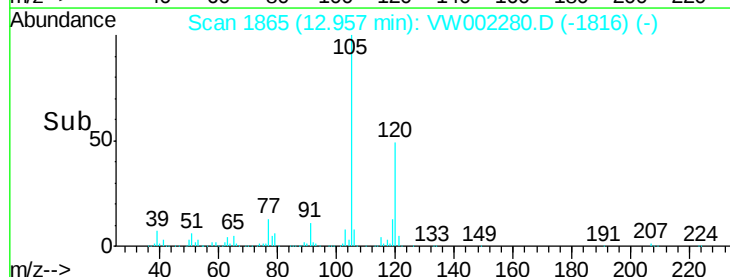
105 100

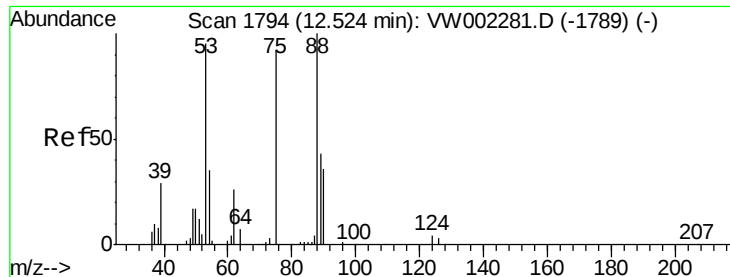
120 49.6 24.6 74.0



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: 25.16 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

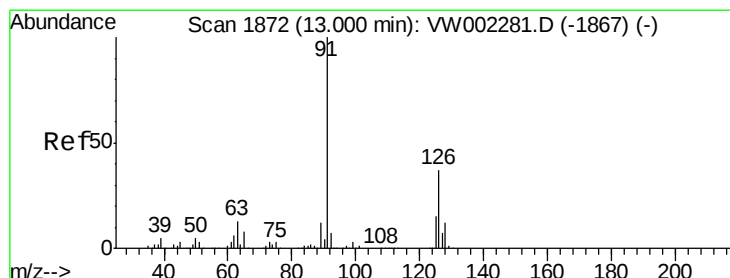
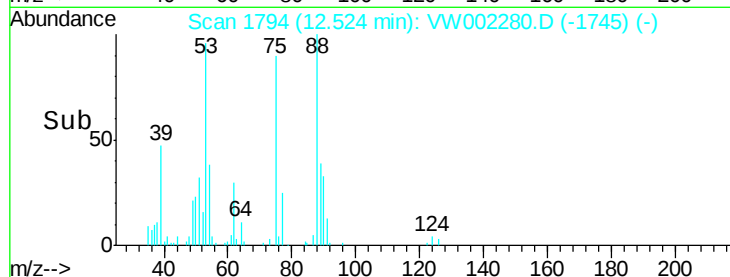
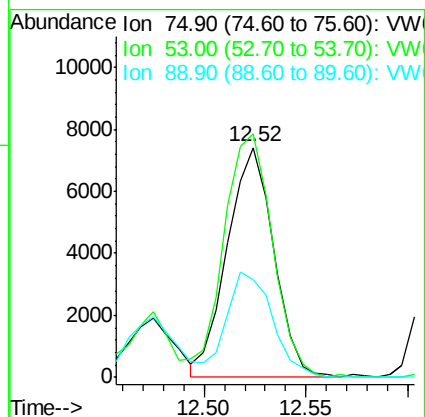
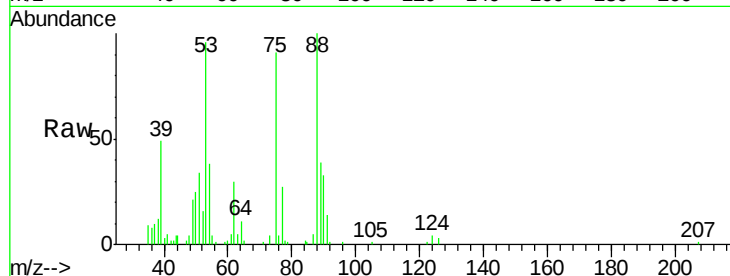
Tot Ion: 75 Resp: 11753

Ion Ratio Lower Upper

75 100

53 112.0 79.9 119.9

89 44.7 37.6 56.4



#82

4-Chlorotoluene

Concen: 19.37 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002280.D

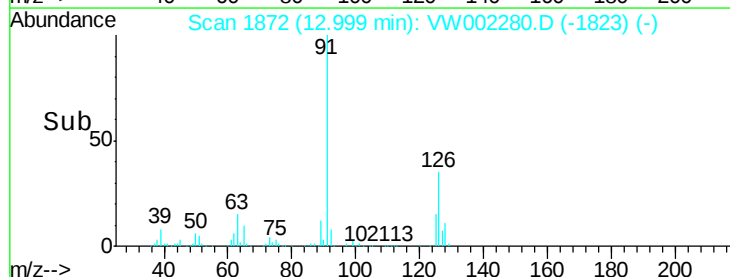
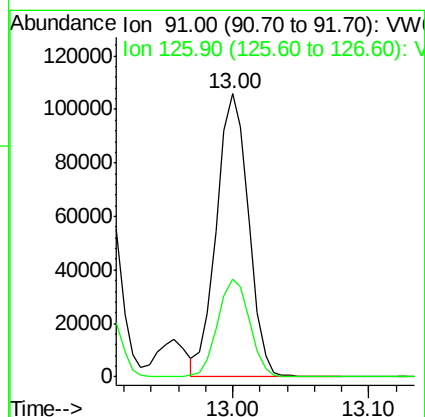
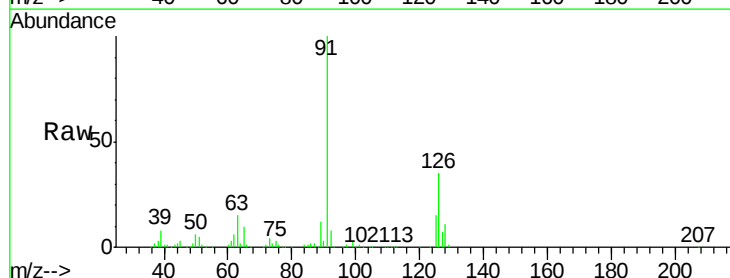
Acq: 08 May 2018 00:36

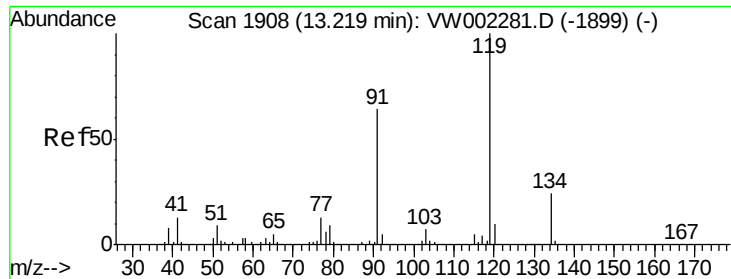
Tgt Ion: 91 Resp: 172102

Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.3

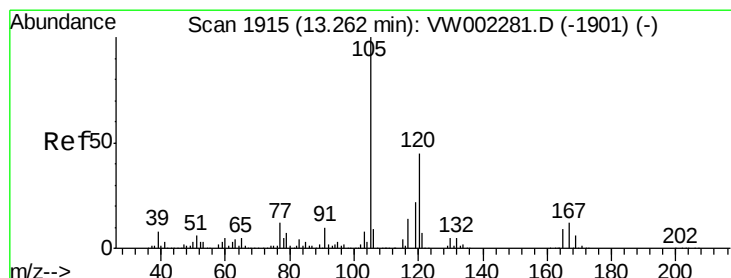
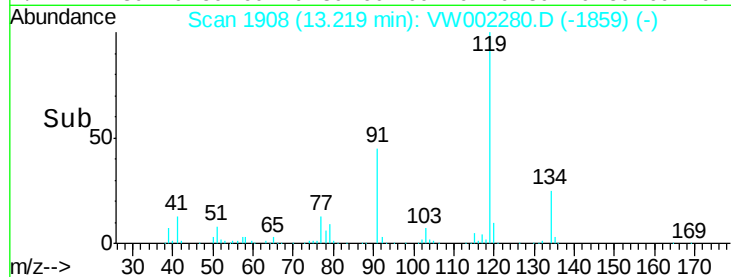
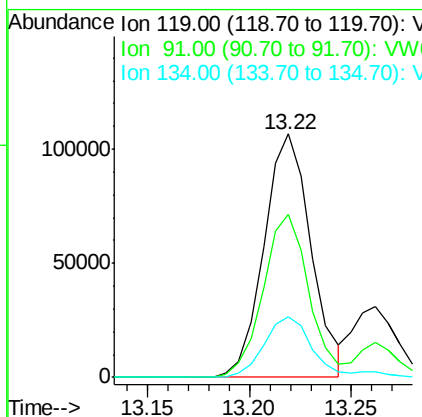
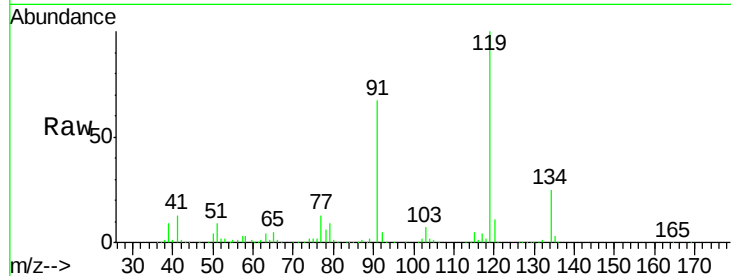




#83
 tert-Butylbenzene
 Concen: 19.47 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

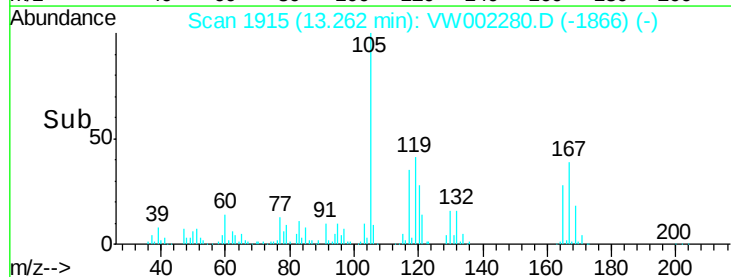
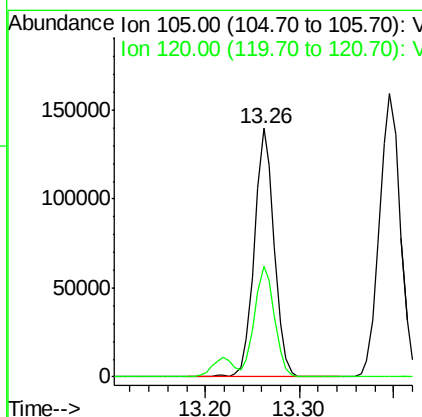
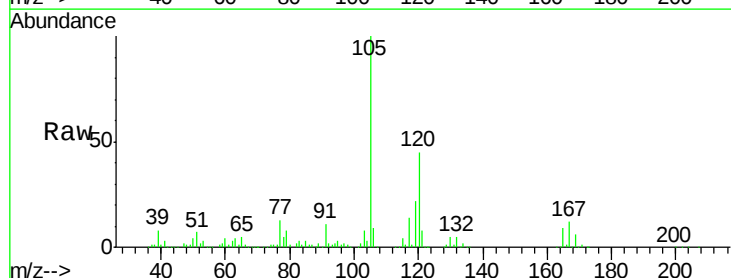
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

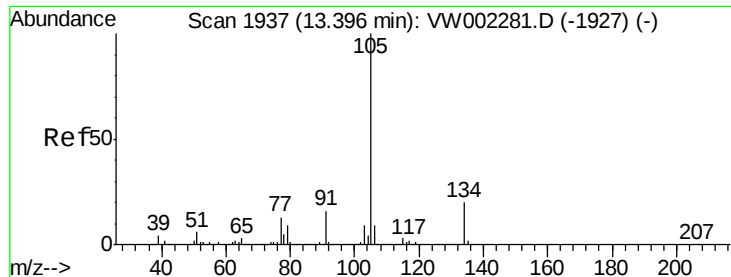
Tot Ion:119 Resp: 171171
 Ion Ratio Lower Upper
 119 100
 91 64.8 31.6 94.8
 134 26.7 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.22 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion:105 Resp: 208136
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 20.03 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

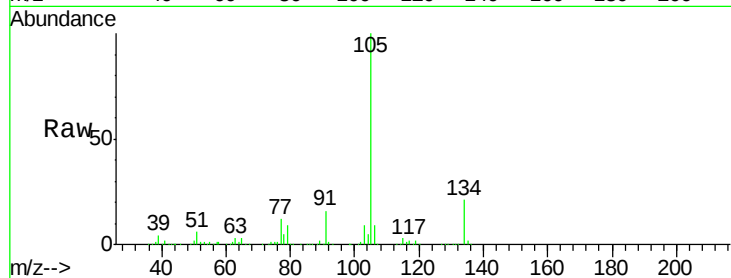
VSTDIC020

Tot Ion:105 Resp: 244220

Ion Ratio Lower Upper

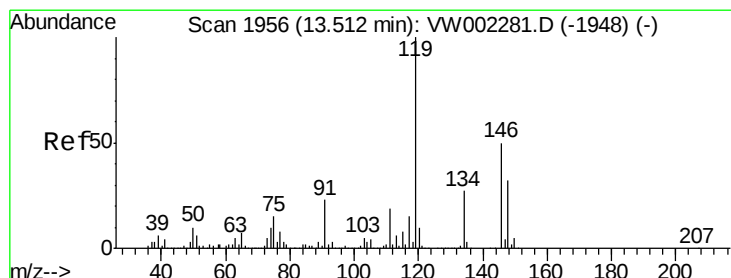
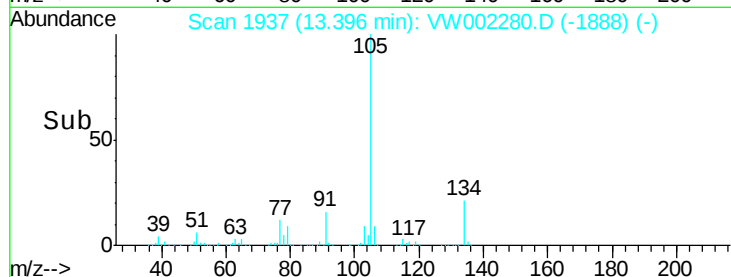
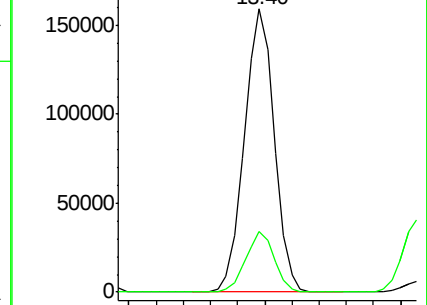
105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.54 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

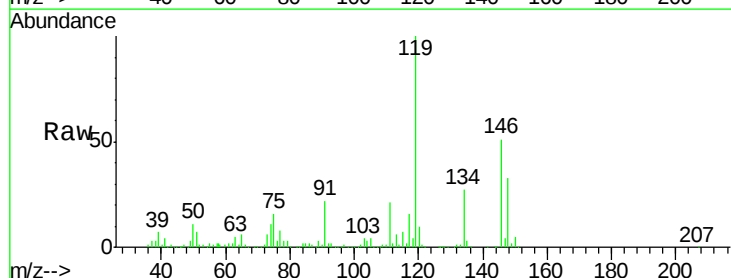
Tgt Ion:119 Resp: 219000

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

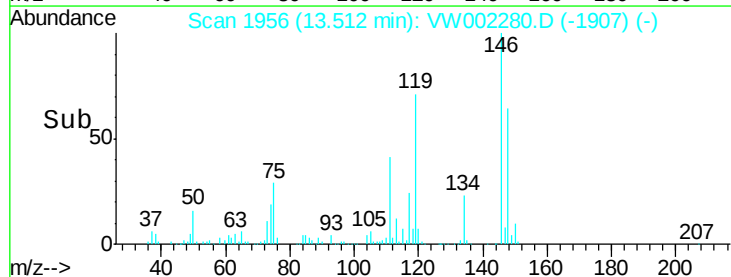
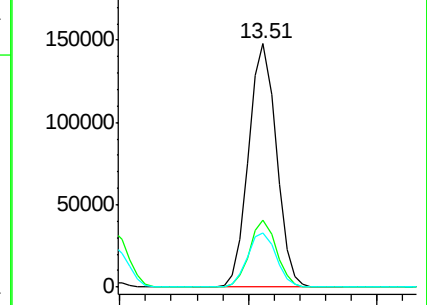
91 23.3 11.8 35.3

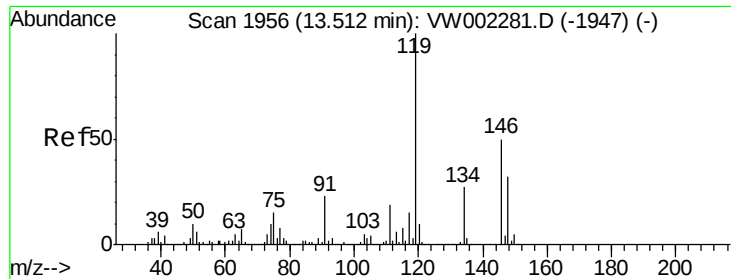


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

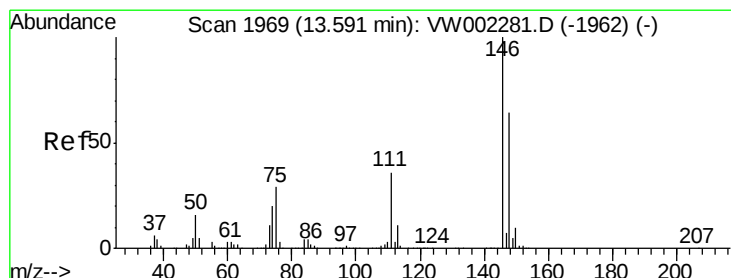
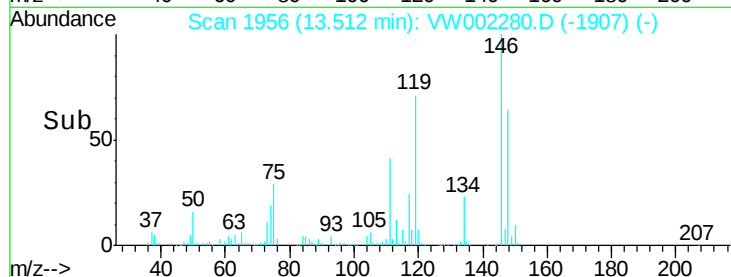
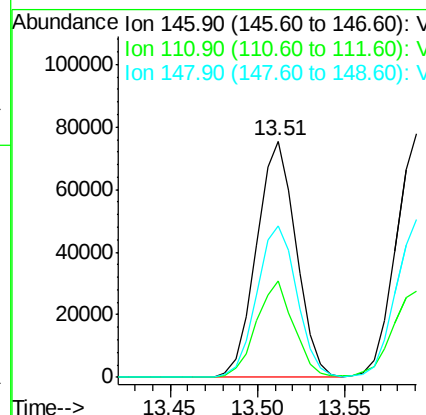
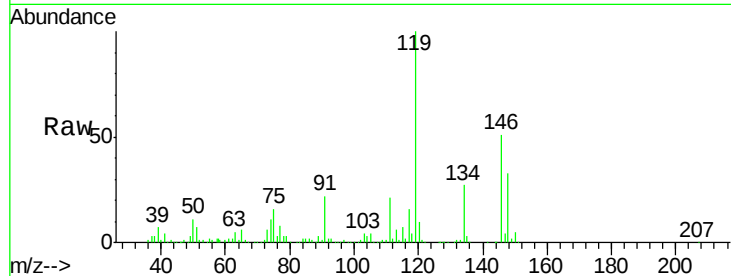




#87
 1,3-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

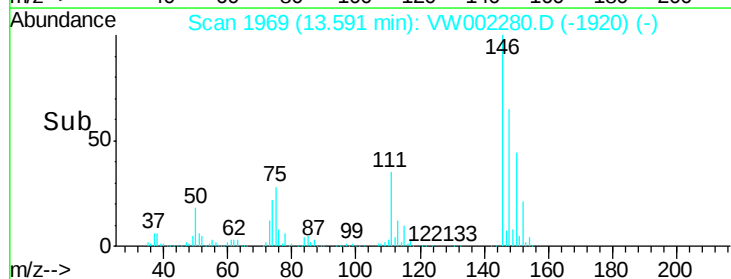
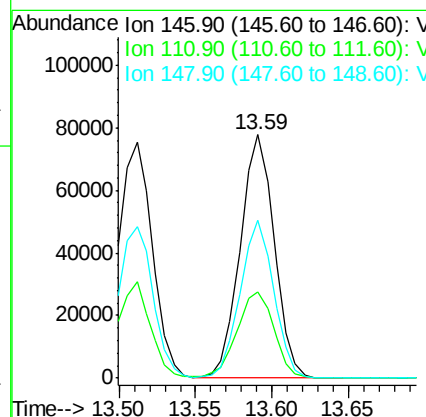
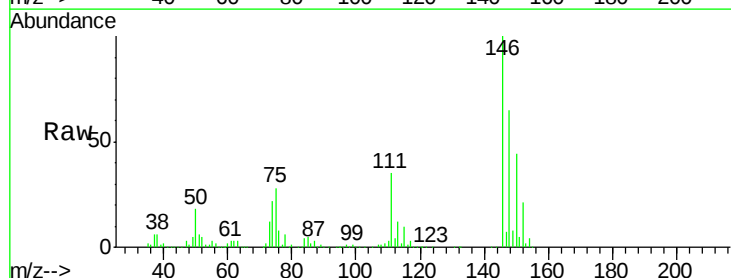
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

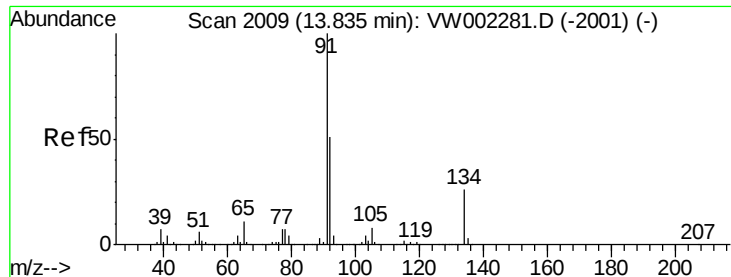
Tot Ion:146 Resp: 118521
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.8
 148 64.8 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion:146 Resp: 120367
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.0 57.0
 148 63.9 32.3 96.9





#89

n-Butylbenzene

Concen: 20.56 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

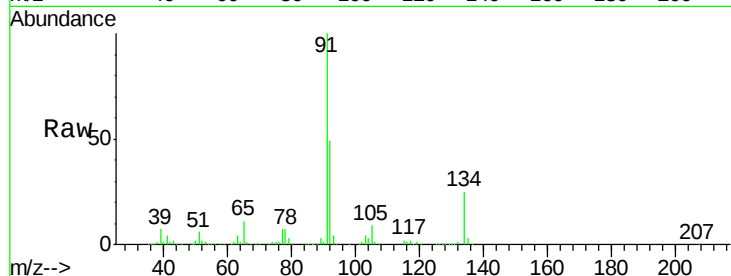
Tot Ion: 91 Resp: 206399

Ion Ratio Lower Upper

91 100

92 50.2 25.9 77.8

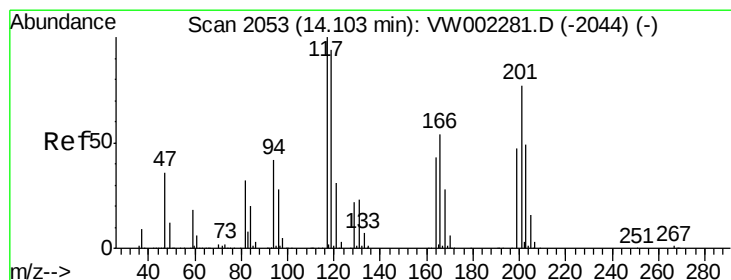
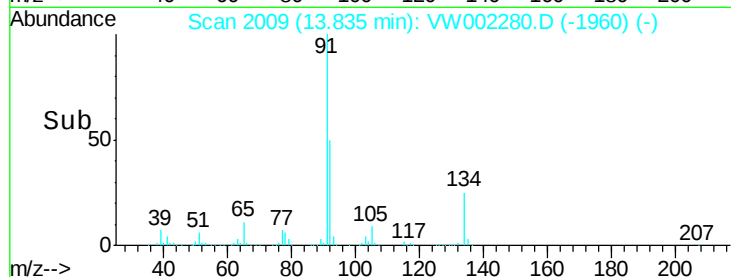
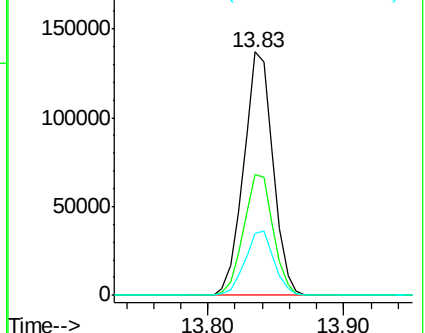
134 26.2 13.1 39.1



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: 17.87 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW002280.D

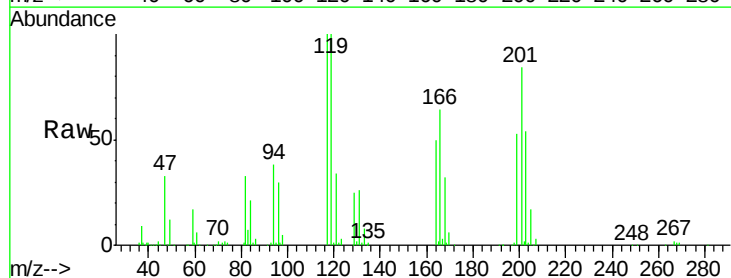
Acq: 08 May 2018 00:36

Tgt Ion: 117 Resp: 38873

Ion Ratio Lower Upper

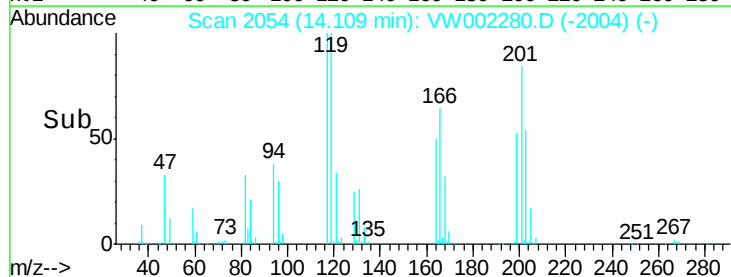
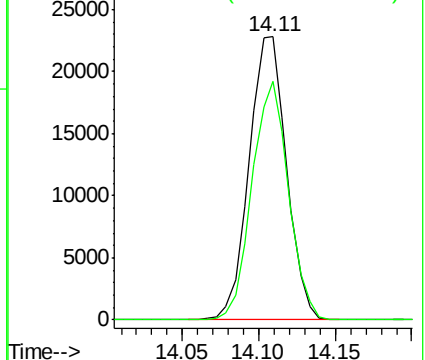
117 100

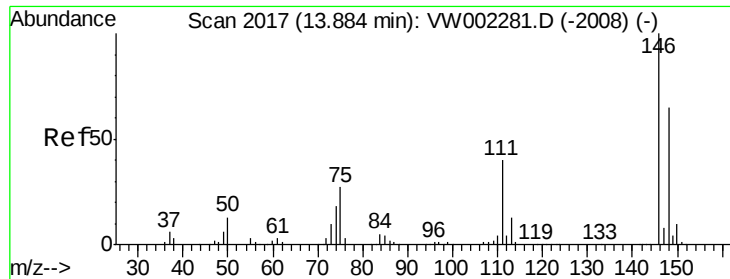
201 81.8 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

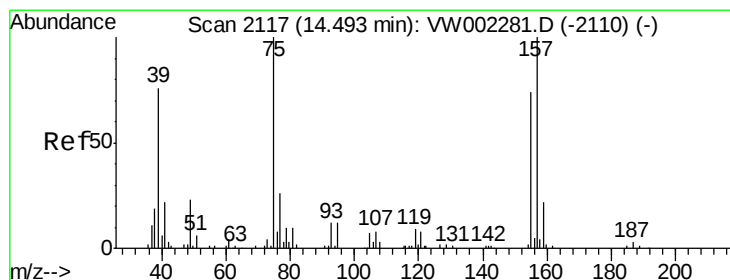
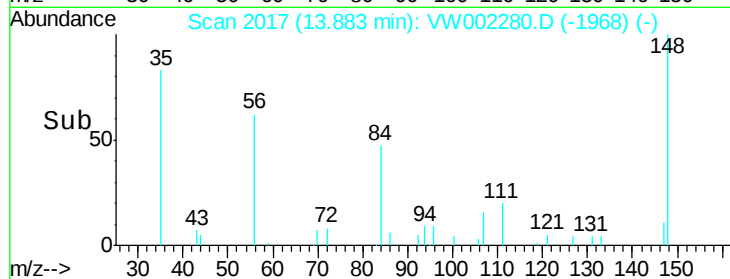
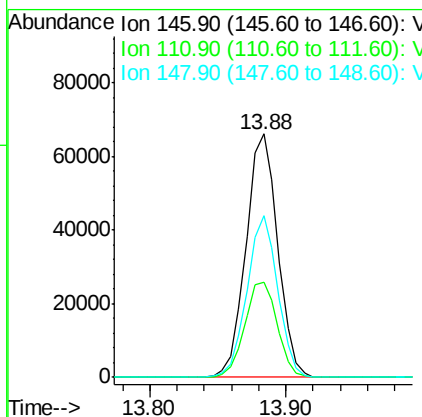
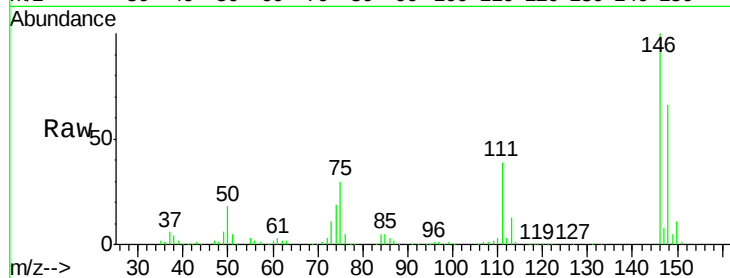




#91
 1,2-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

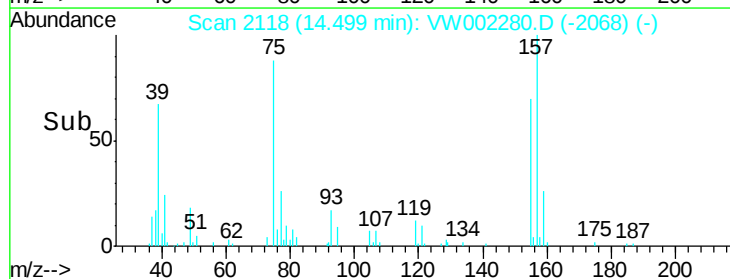
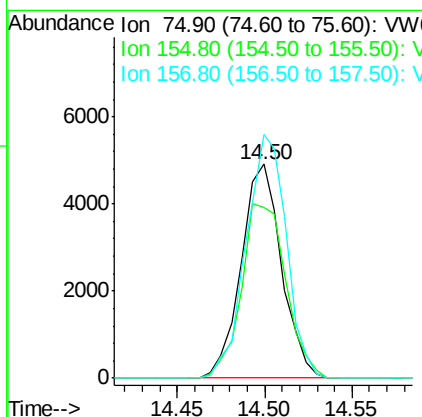
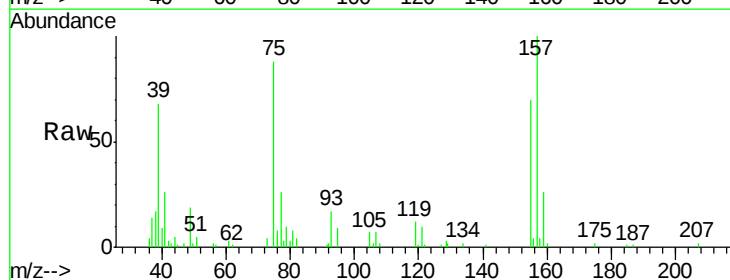
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

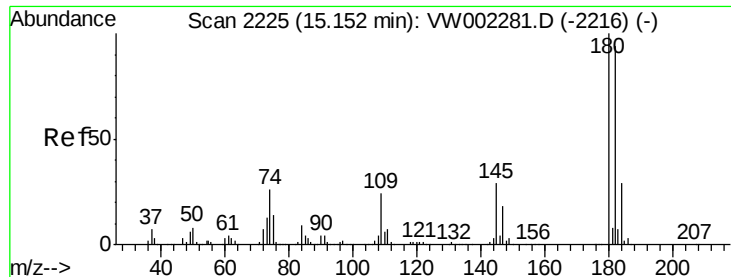
Tot Ion:146 Resp: 108061
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 64.6 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.00 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion: 75 Resp: 7857
 Ion Ratio Lower Upper
 75 100
 155 89.9 43.3 129.8
 157 113.9 55.8 167.4

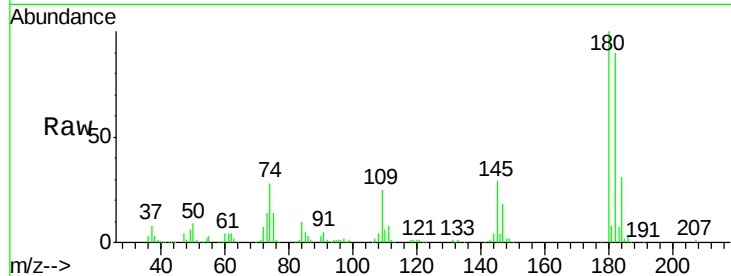




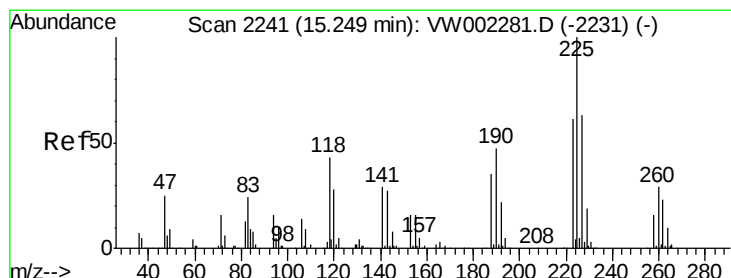
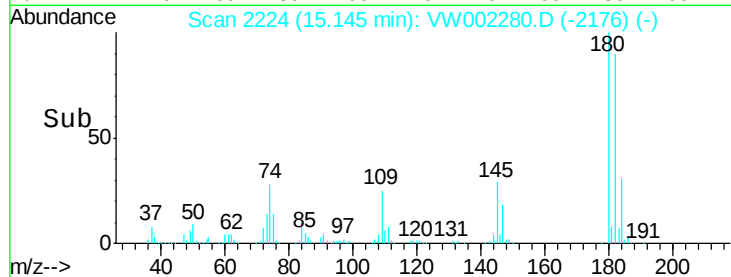
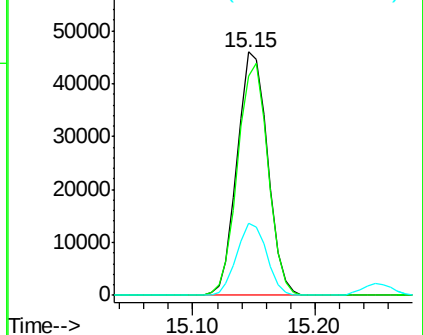
#93
 1,2,4-Trichlorobenzene
 Concen: 20.28 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 79652
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 141.8
 145 29.2 14.5 43.6

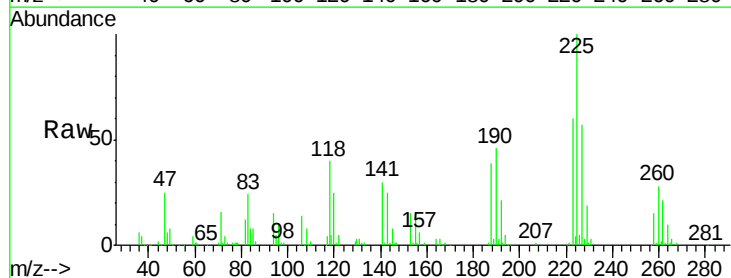


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

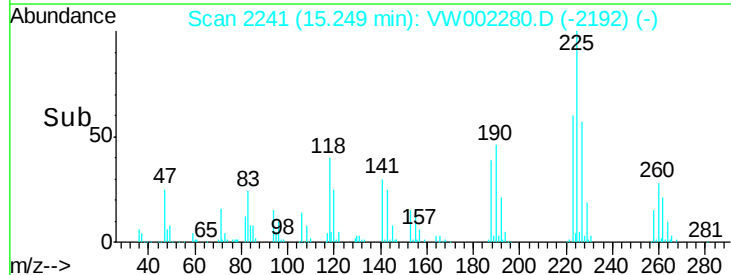
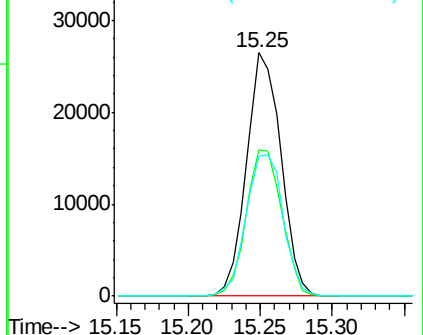


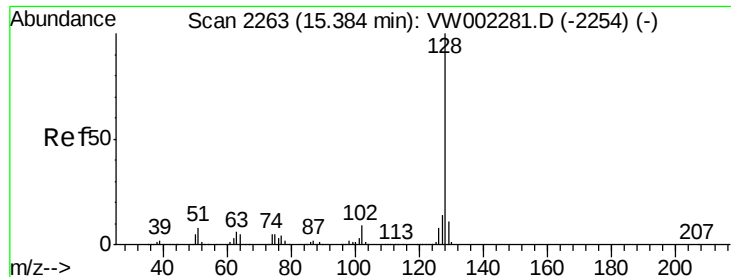
#94
 Hexachlorobutadiene
 Concen: 15.99 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

Tgt Ion:225 Resp: 43774
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.9 92.7
 227 62.1 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 24.27 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

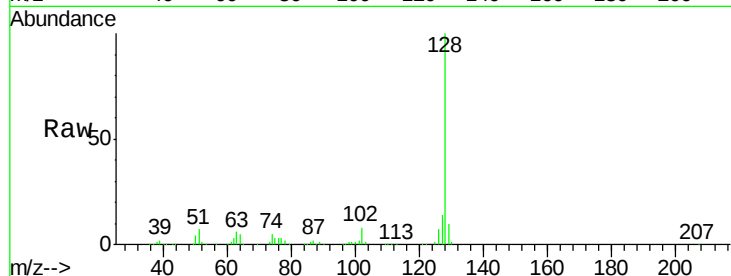
Tot Ion:128 Resp: 142062

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

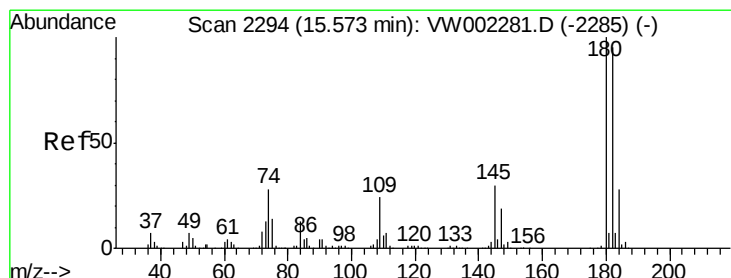
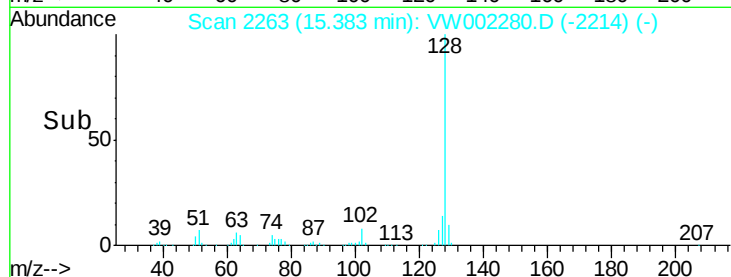
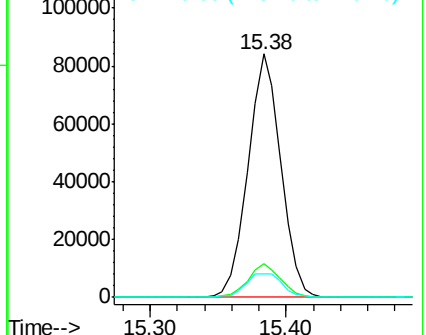
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.07 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002280.D

Acq: 08 May 2018 00:36

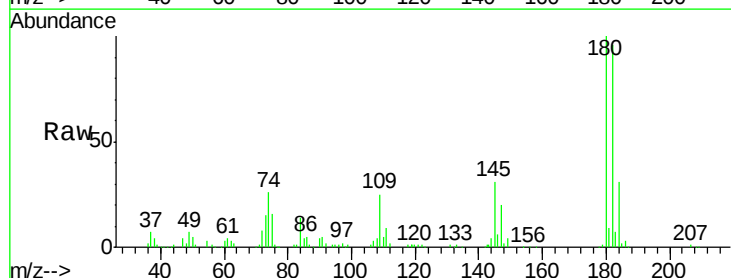
Tgt Ion:180 Resp: 70736

Ion Ratio Lower Upper

180 100

182 93.7 48.0 144.0

145 31.7 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

