

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 03:19:08 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

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

						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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VSTDIC020

Quant Time: May 08 03:19:08 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)
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	58326	46.45	ug/l	# 1
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

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration

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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Operator : JC/SY

Sample : VSTDICC020

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

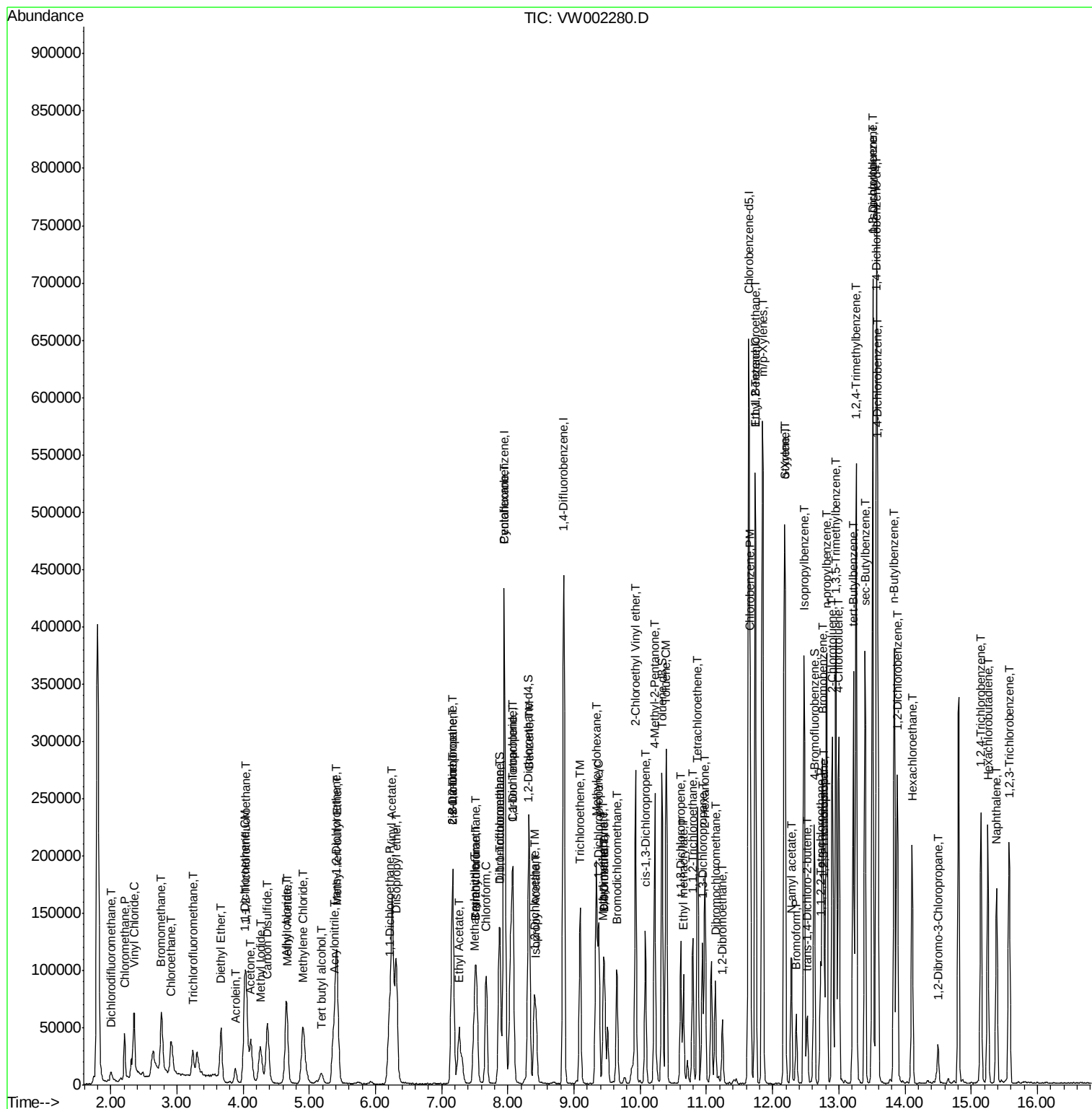
Quant Time: May 08 03:19:08 2018

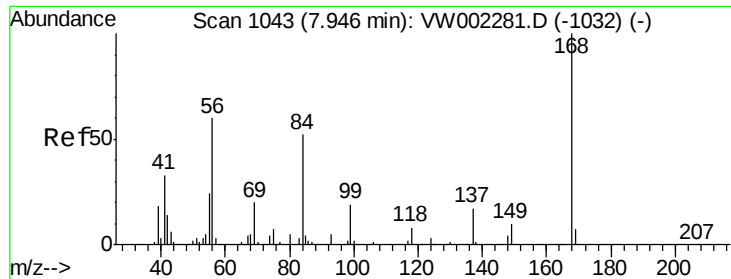
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

QLast Update : Tue May 08 03:17:21 2018

Response via : Initial Calibration





#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 :

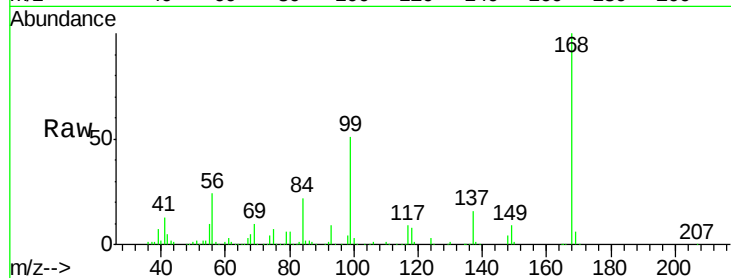
VSTDIC020

Tgt 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

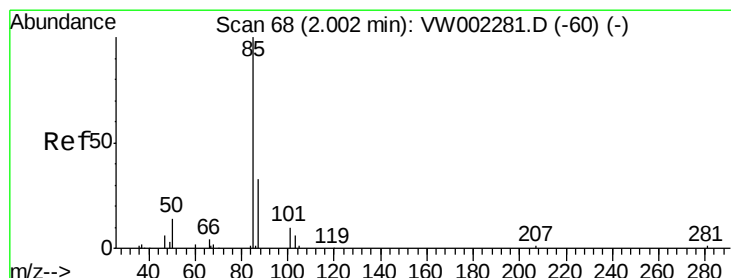
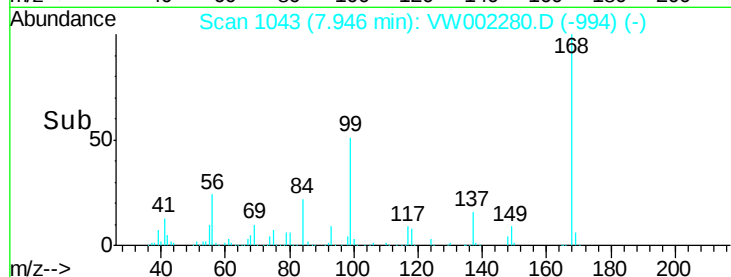
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 7.39 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002280.D

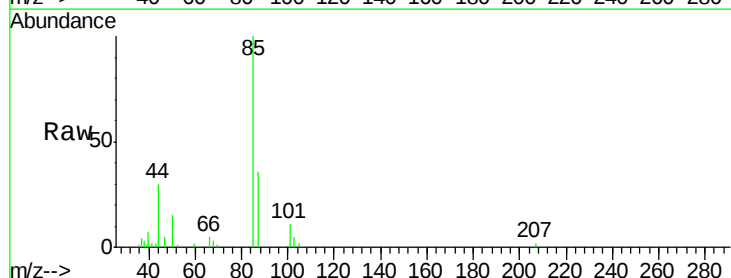
Acq: 08 May 2018 00:36

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

3000

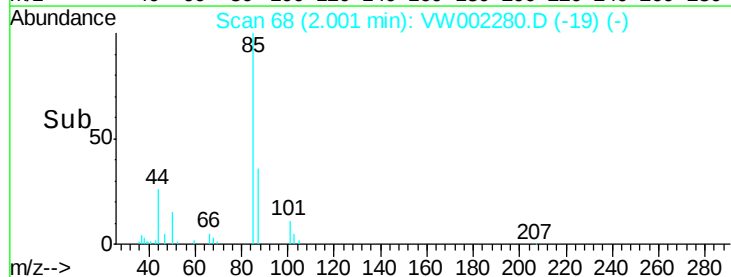
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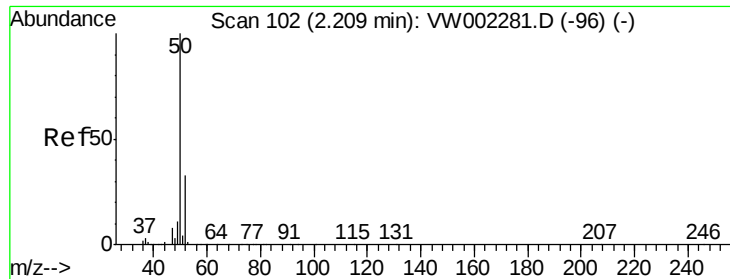
1000

0

1.90 1.95 2.00 2.05 2.10

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 :

MSVOA_W

ClientSampleId :

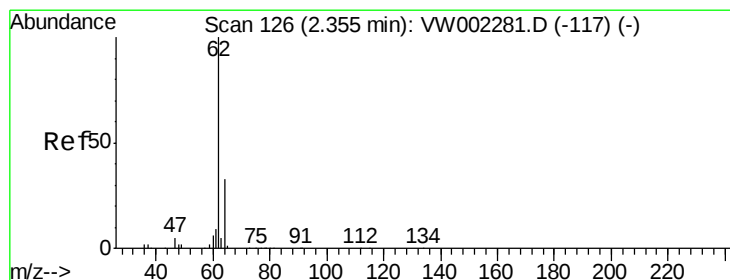
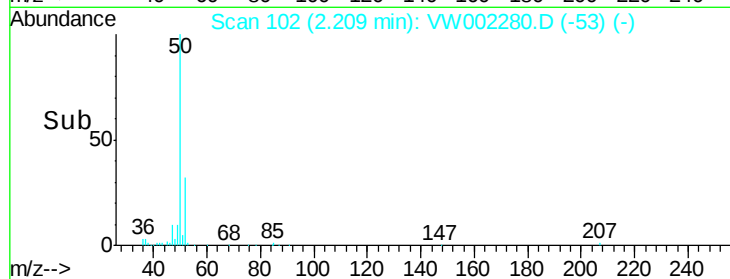
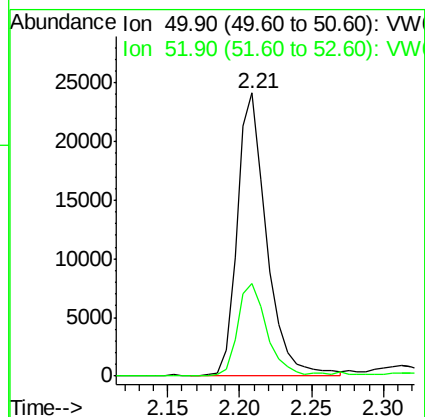
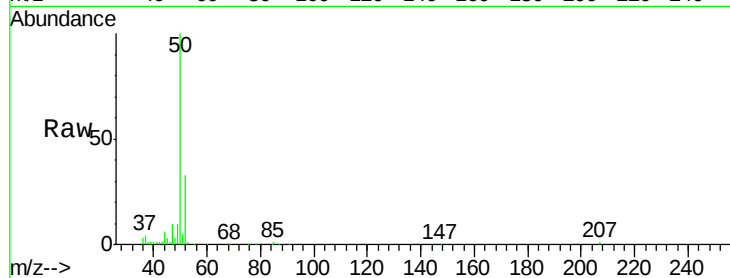
VSTDIC020

Tgt 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

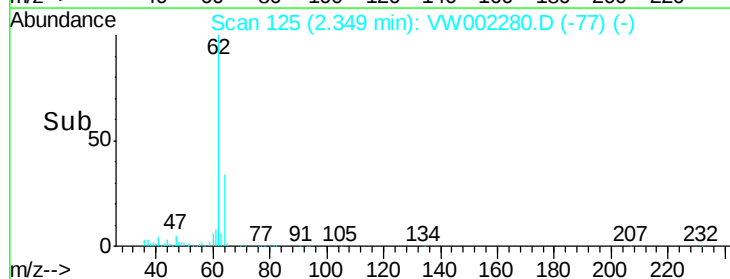
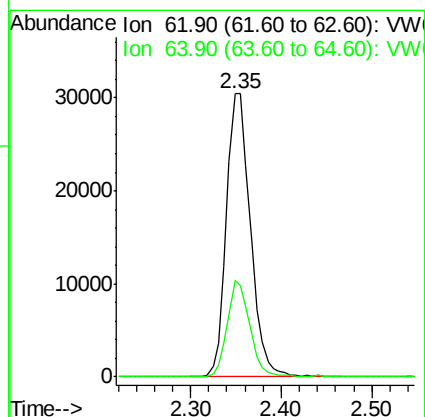
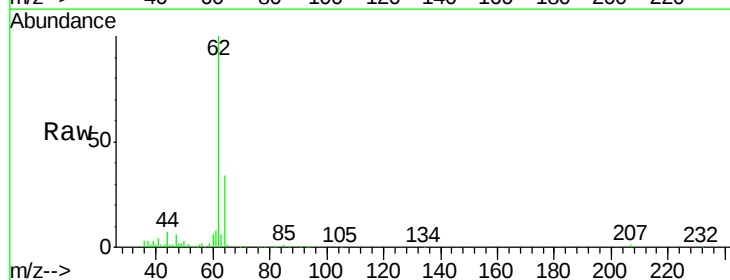
Acq: 08 May 2018 00:36

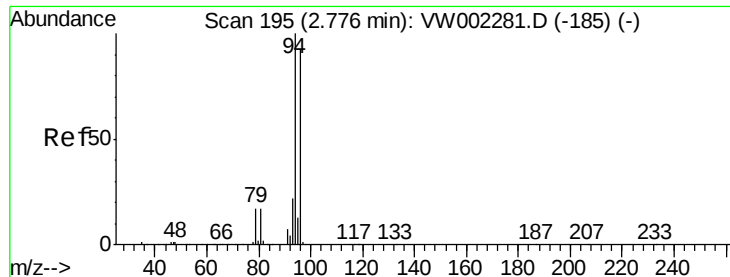
Tgt Ion: 62 Resp: 56166

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 :

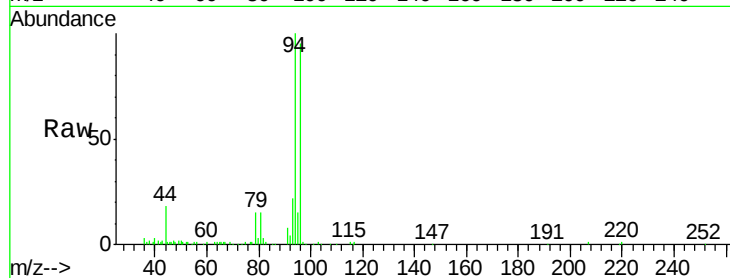
VSTDIC020

Tgt 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

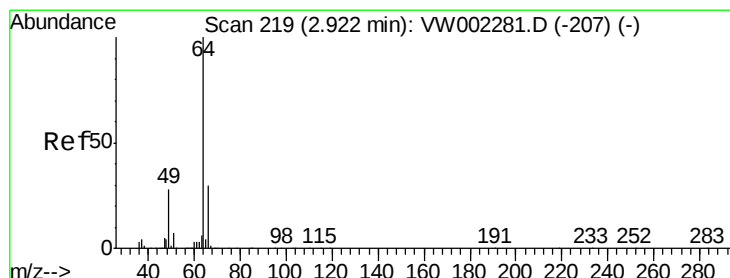
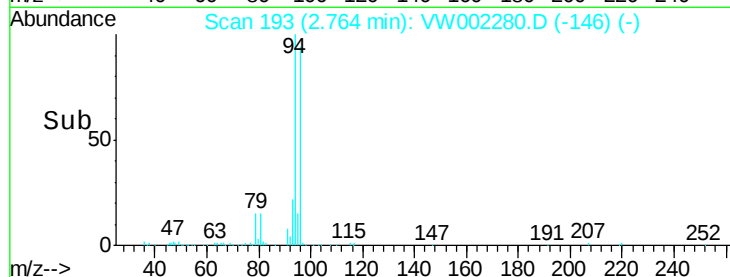
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5000

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

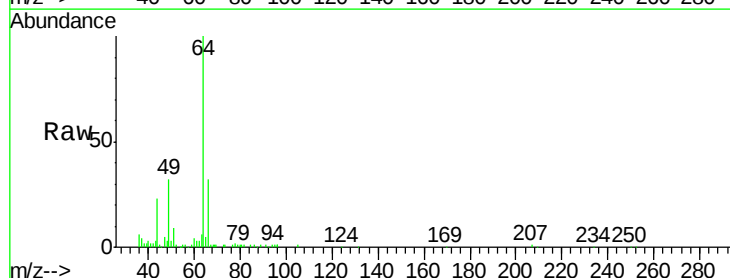
Acq: 08 May 2018 00:36

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

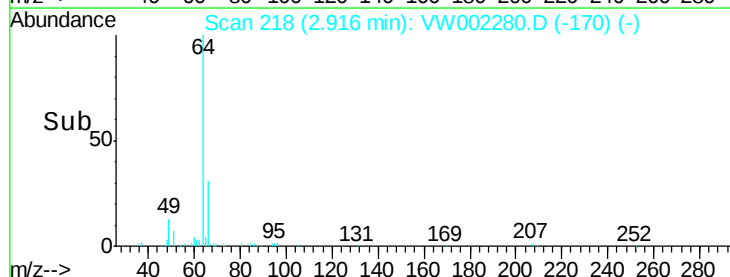
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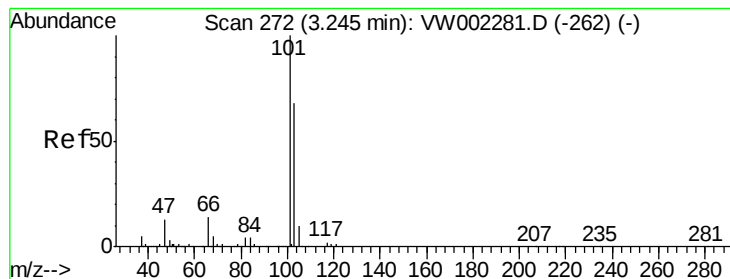
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Time-->

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

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Instrument :

MSVOA_W

ClientSampleId :

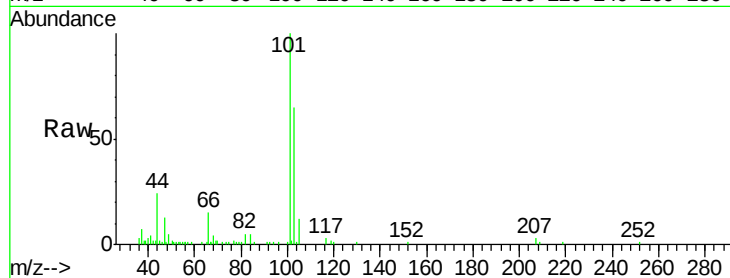
VSTDIC020

Tgt Ion:101 Resp: 23138

Ion Ratio Lower Upper

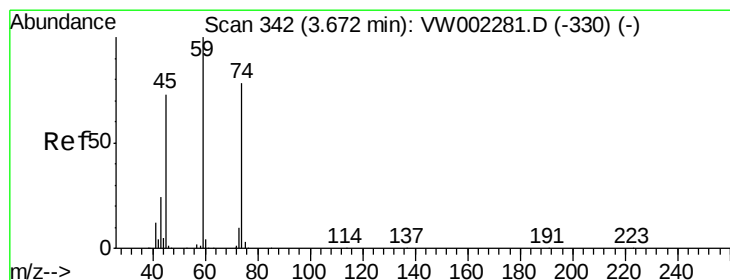
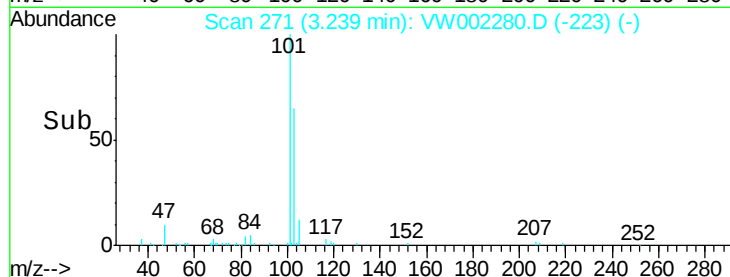
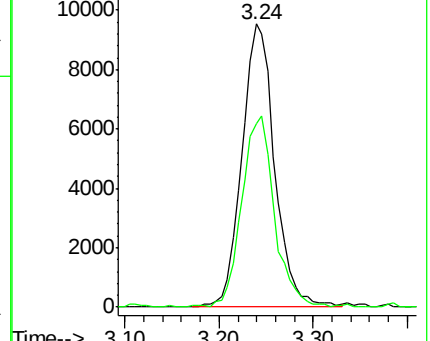
101 100

103 64.4 54.6 82.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 26.18 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.00 min

Lab File: VW002280.D

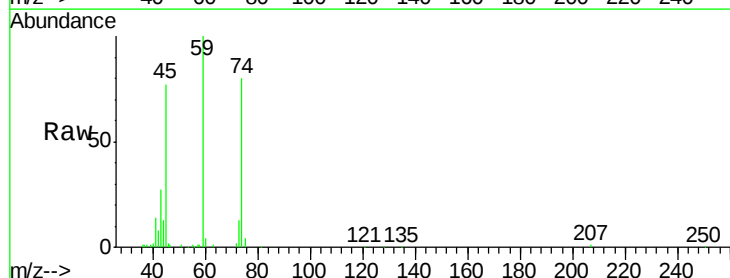
Acq: 08 May 2018 00:36

Tgt Ion: 74 Resp: 24577

Ion Ratio Lower Upper

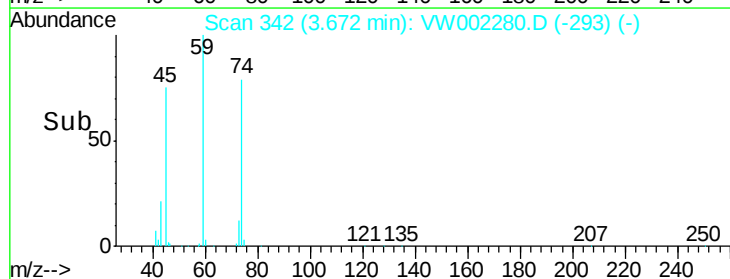
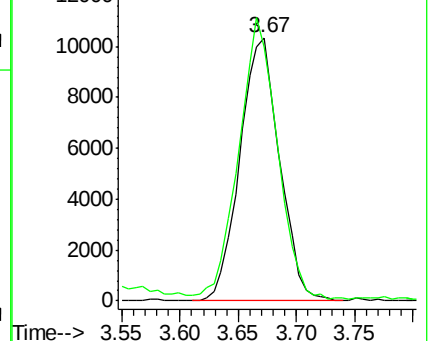
74 100

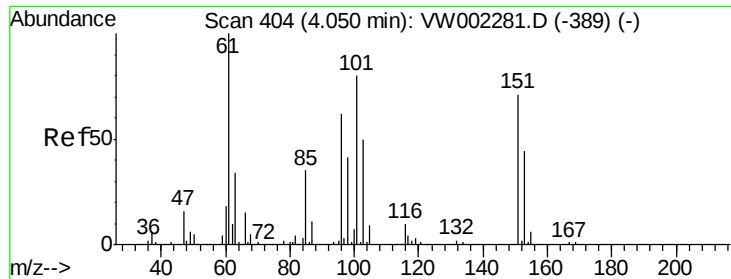
45 104.3 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.69 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

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VSTDIC020

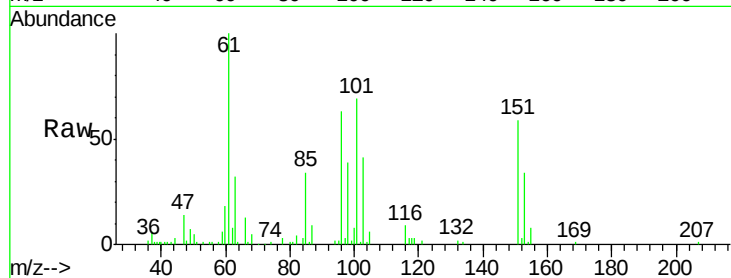
Tgt Ion:101 Resp: 43235

Ion Ratio Lower Upper

101 100

85 43.2 35.9 53.9

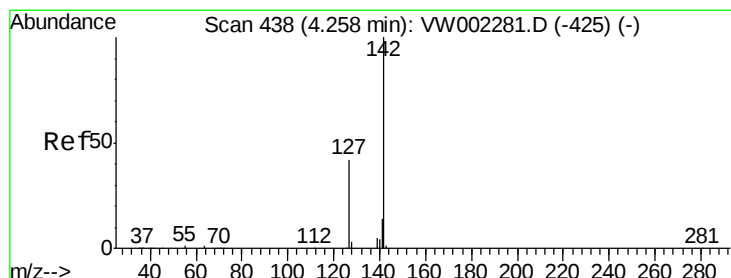
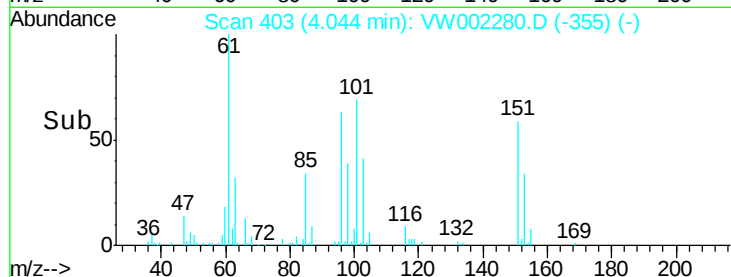
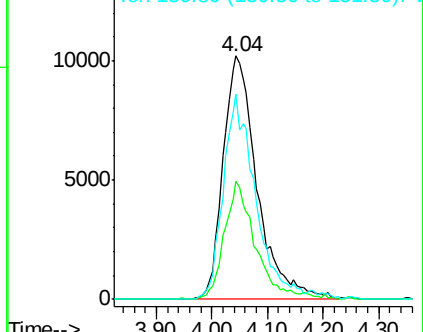
151 79.2 65.4 98.2



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

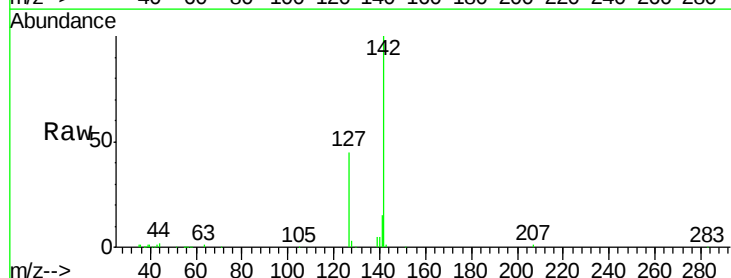
Tgt Ion:142 Resp: 70163

Ion Ratio Lower Upper

142 100

127 43.3 34.7 52.1

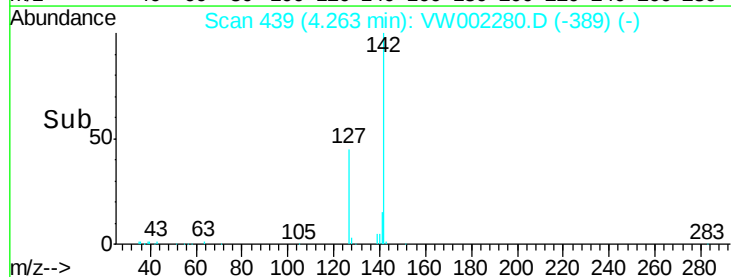
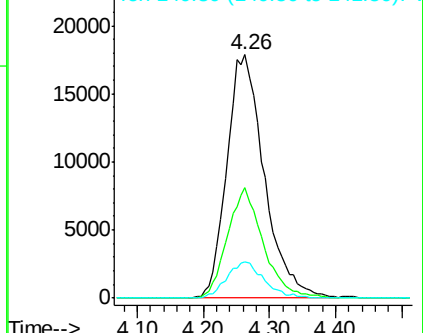
141 14.8 11.9 17.9

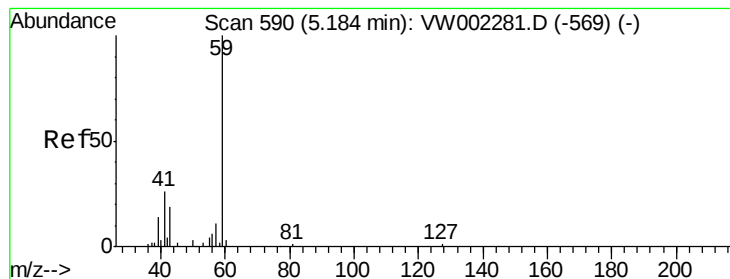


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



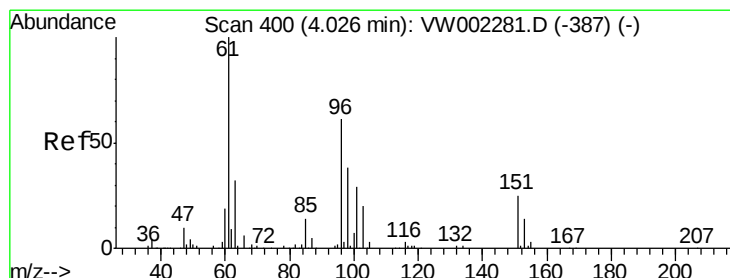
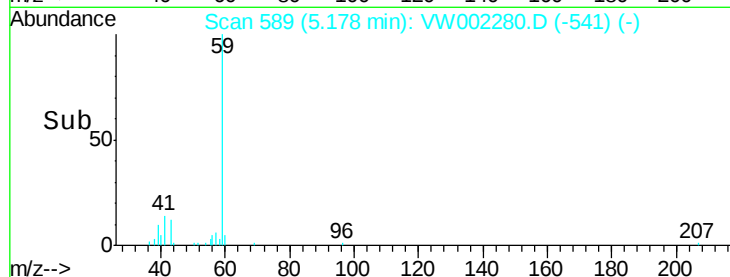
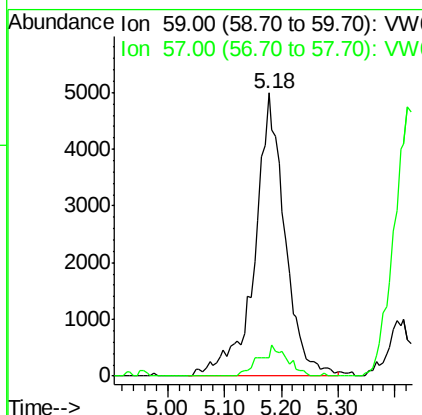
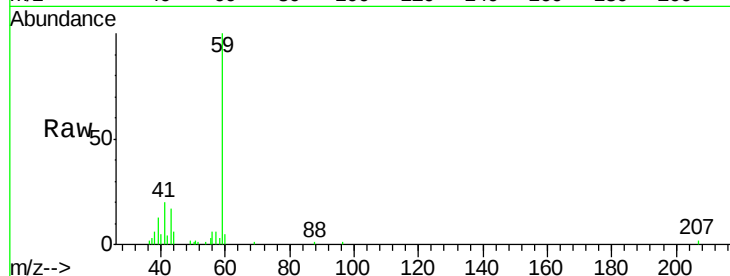


#11

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
 ClientSampleId :
 VSTDIC020

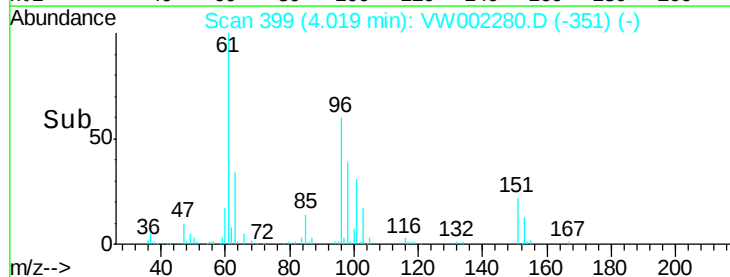
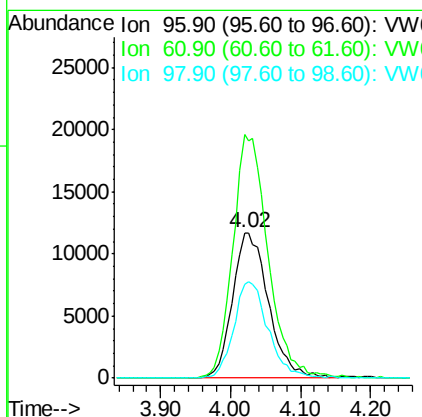
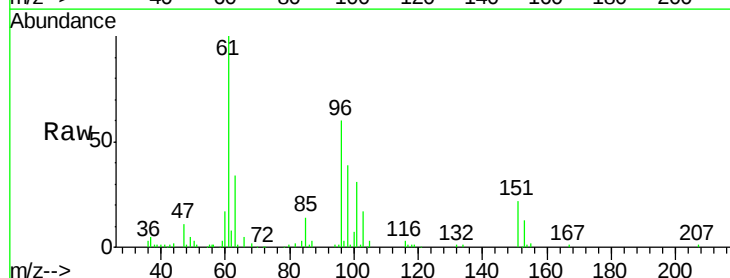
Tgt Ion: 59 Resp: 18359
 Ion Ratio Lower Upper
 59 100
 57 7.3 3.9 5.9#

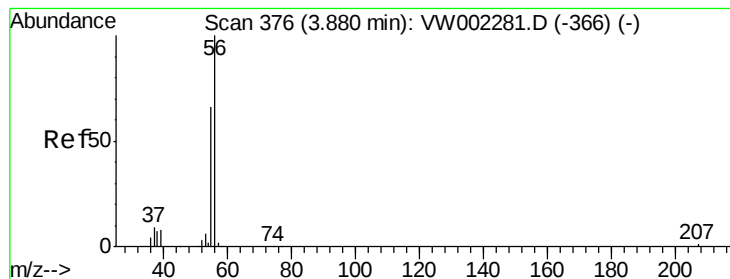


#12

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 :

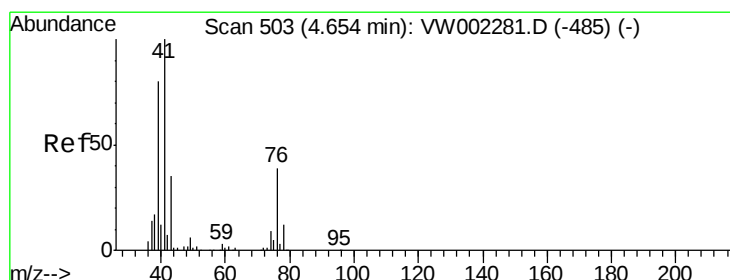
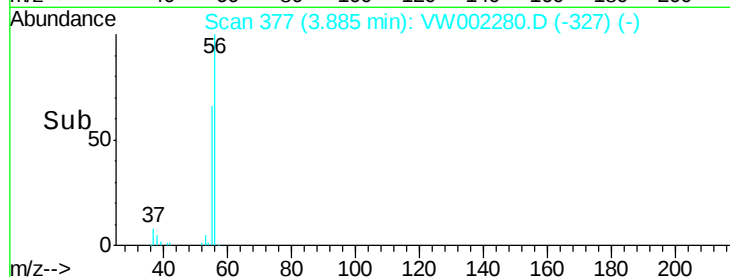
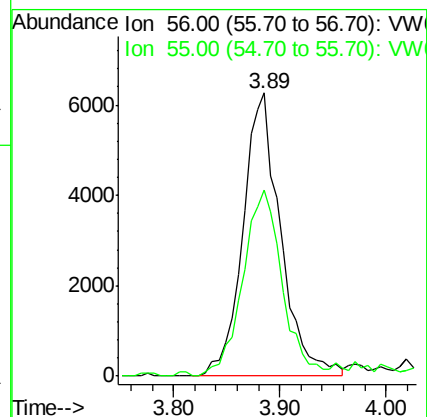
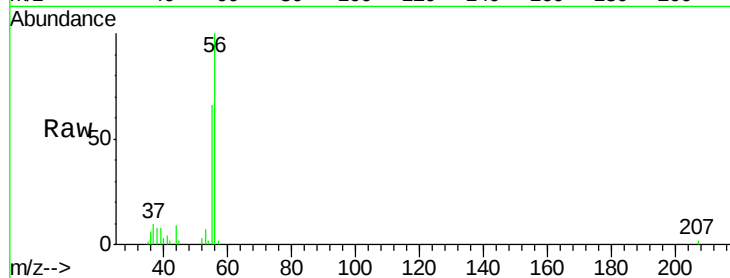
VSTDIC020

Tgt 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

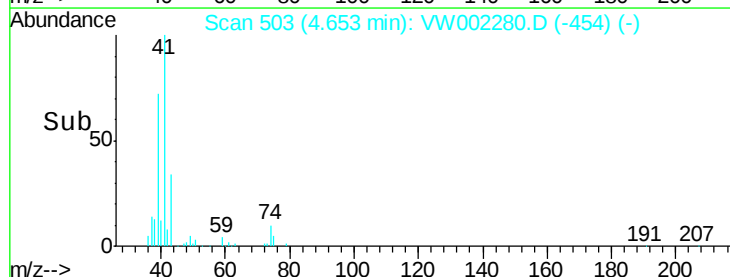
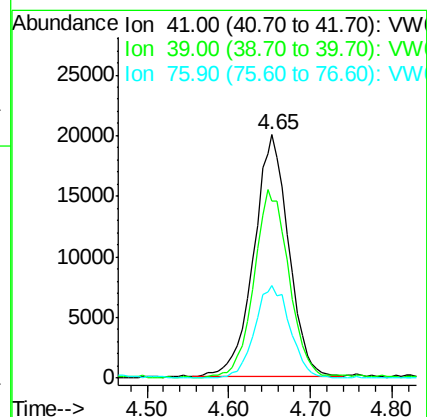
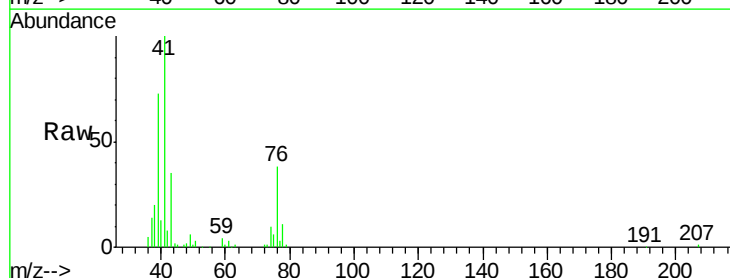
Tgt Ion: 41 Resp: 59289

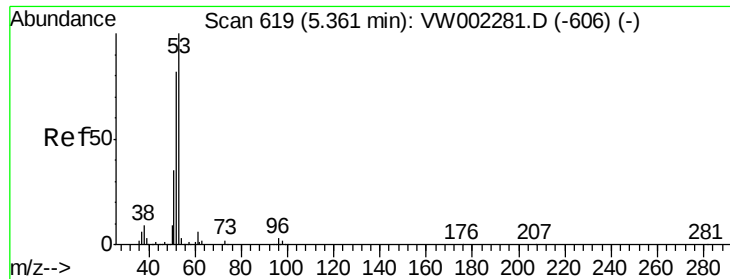
Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 38.6 29.8 44.6

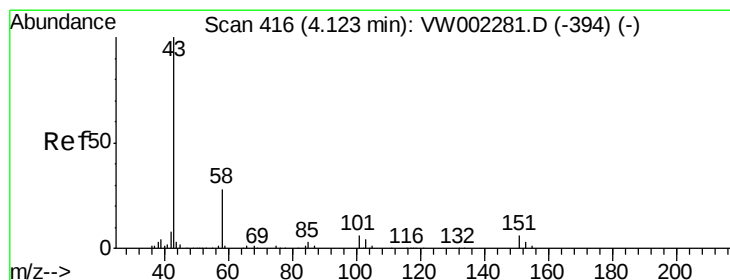
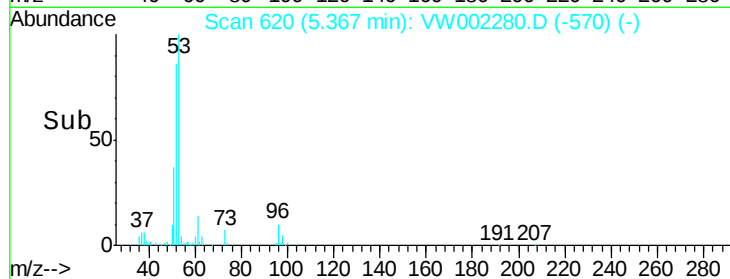
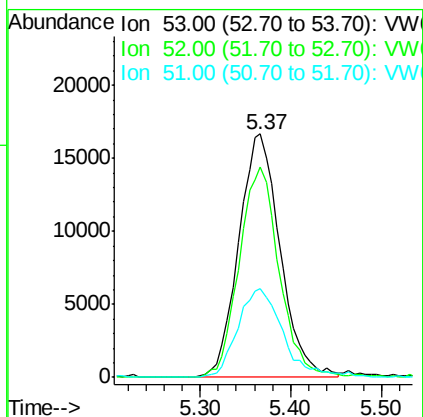
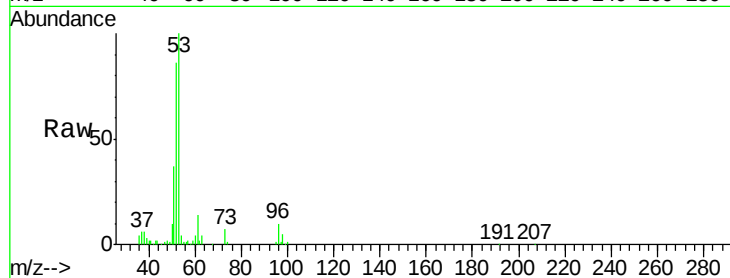




#15
Acrylonitrile
Concen: 148.67 ug/l
RT: 5.37 min Scan# 620
Delta R.T. 0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

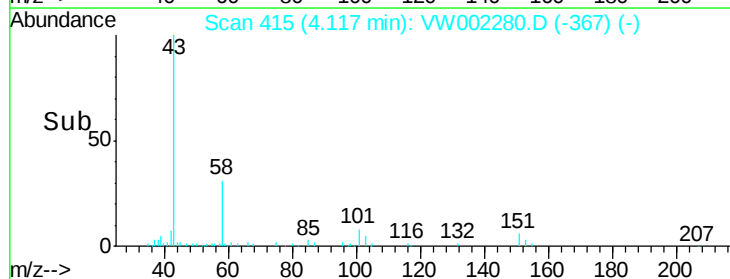
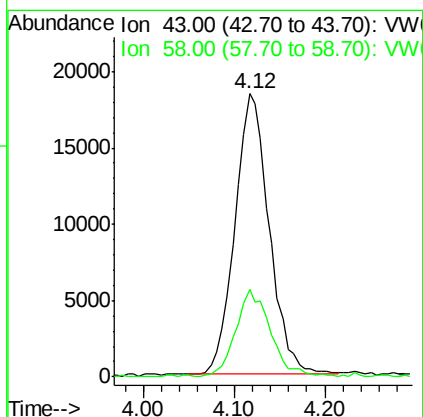
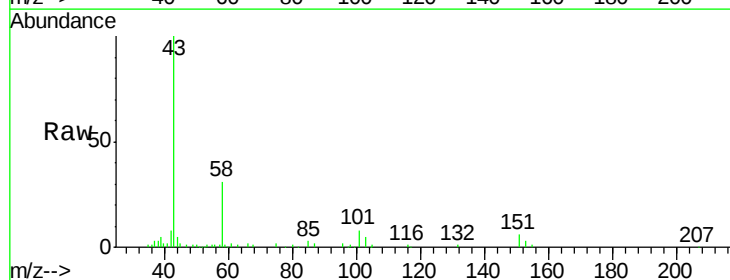
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

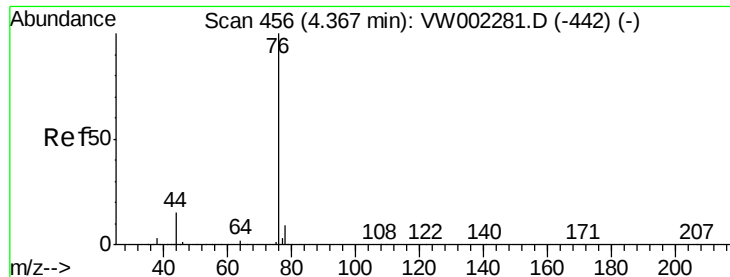
Tgt Ion: 53 Resp: 52788
Ion Ratio Lower Upper
53 100
52 83.1 67.9 101.9
51 39.8 30.0 45.0



#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

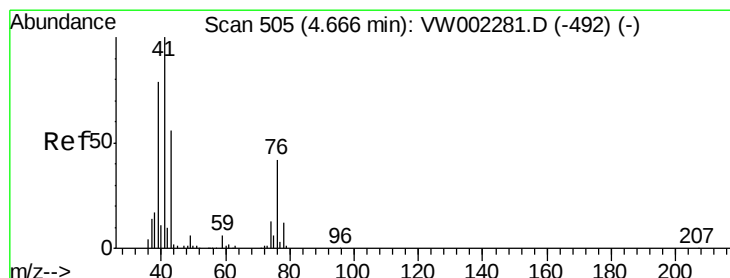
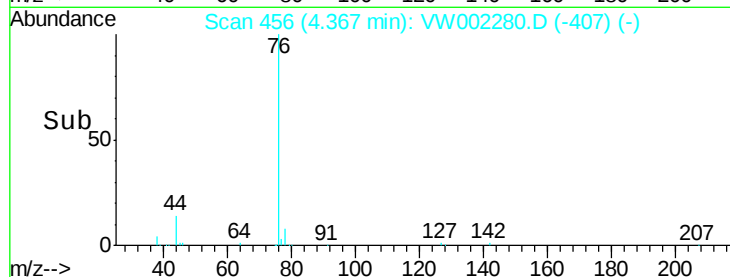
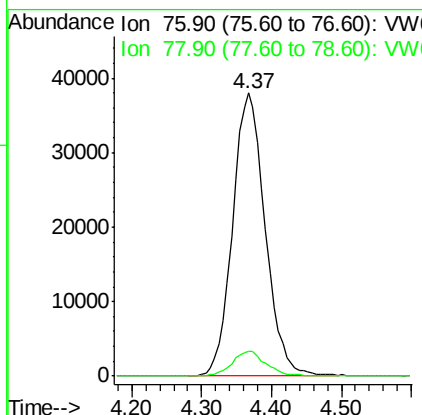
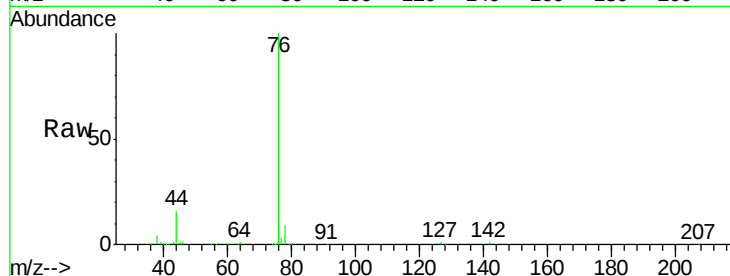




#17
Carbon Disulfide
Concen: 20.56 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

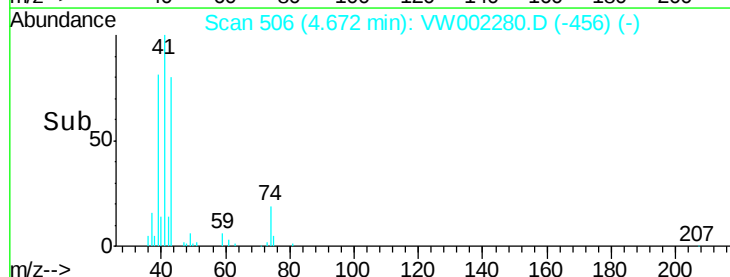
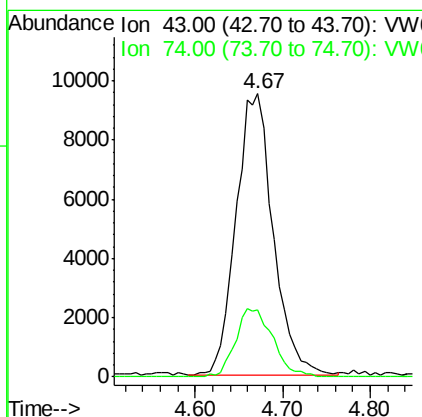
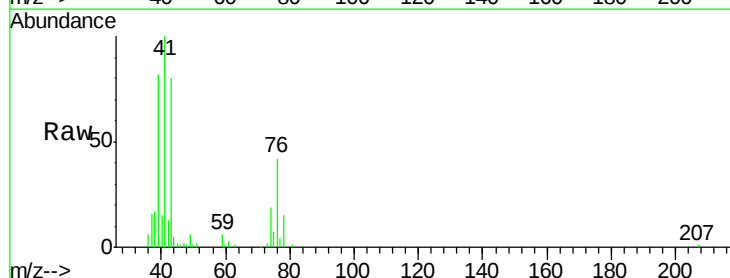
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

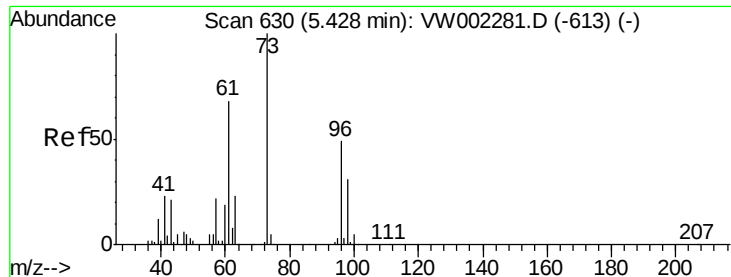
Tgt Ion: 76 Resp: 122457
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#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

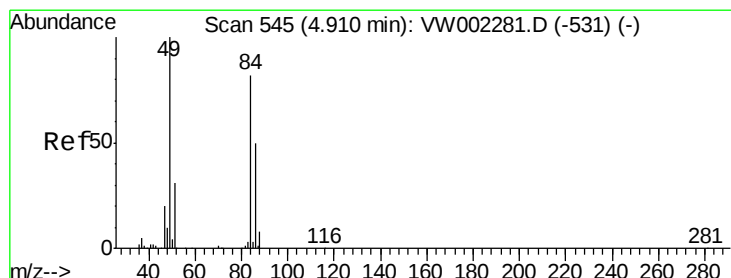
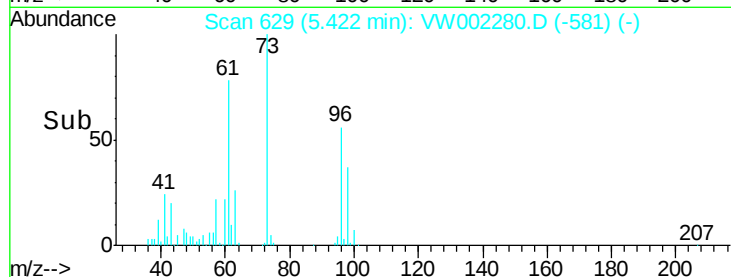
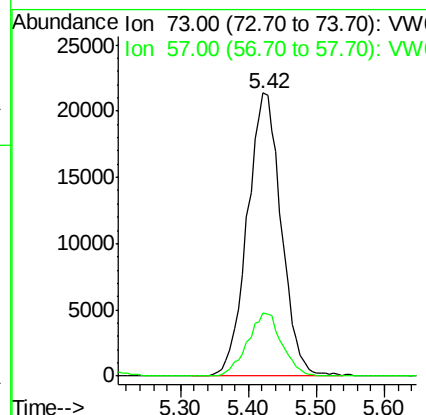
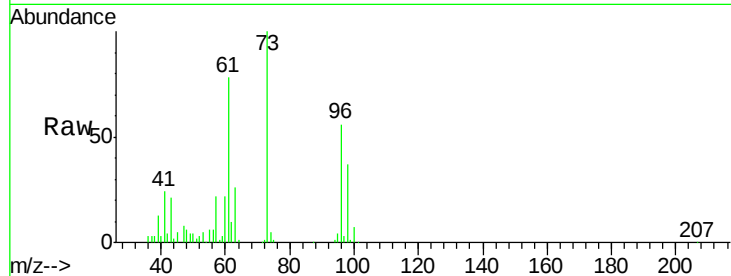




#19
Methyl tert-butyl Ether
Concen: 19.21 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

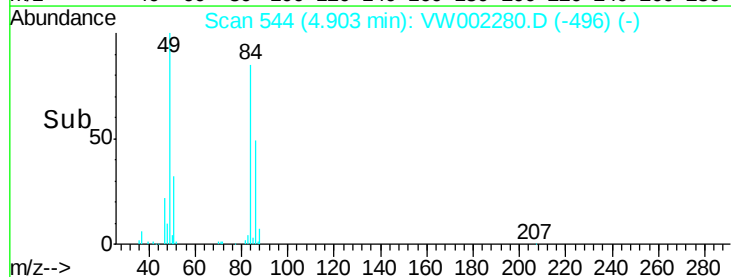
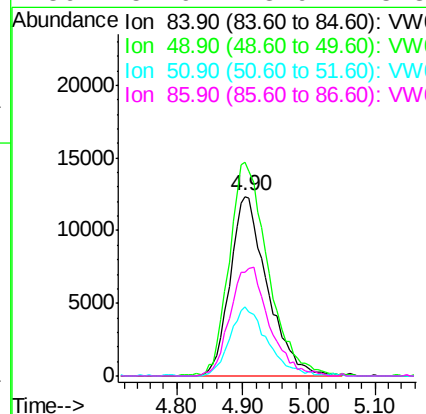
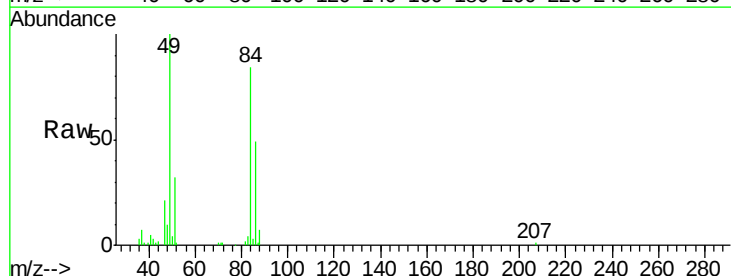
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

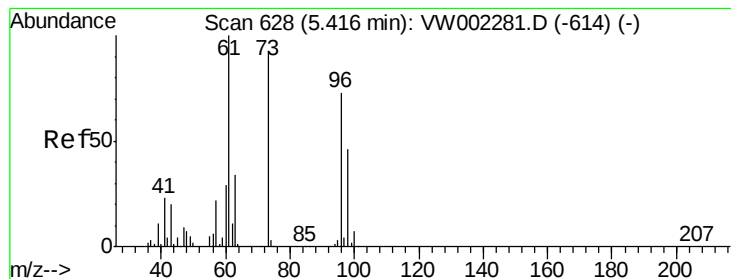
Tgt Ion: 73 Resp: 73989
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5



#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

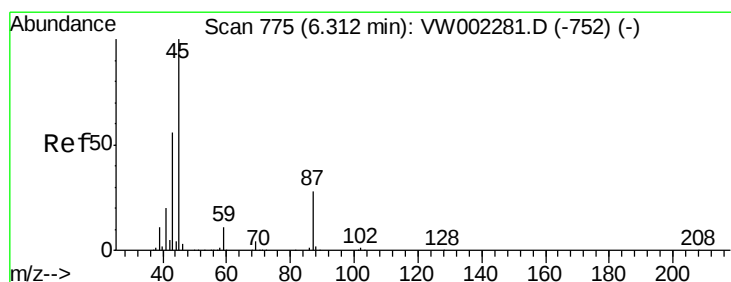
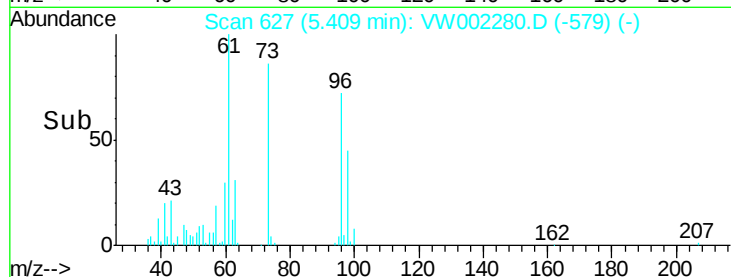
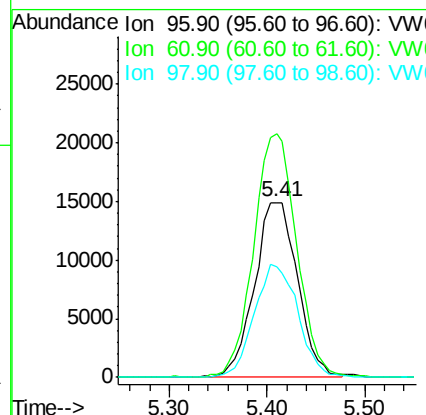
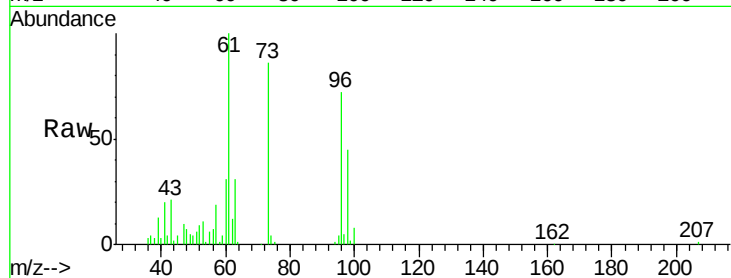
Tgt Ion: 96 Resp: 45718

Ion Ratio Lower Upper

96 100

61 139.4 109.5 164.3

98 63.0 50.2 75.4



#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

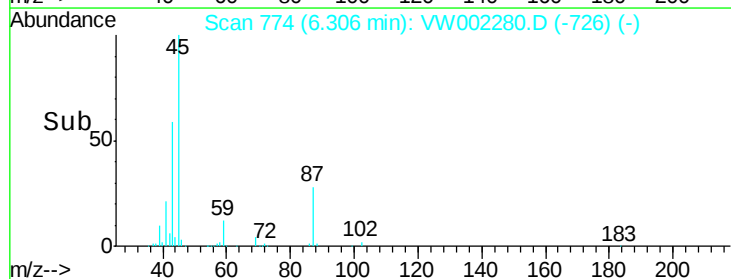
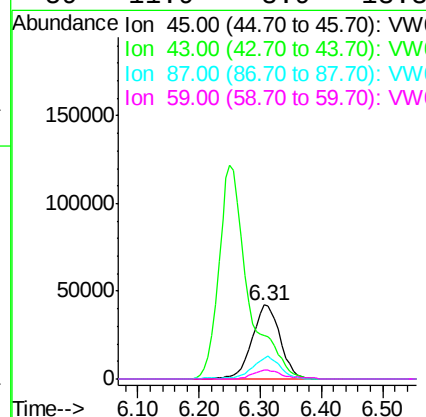
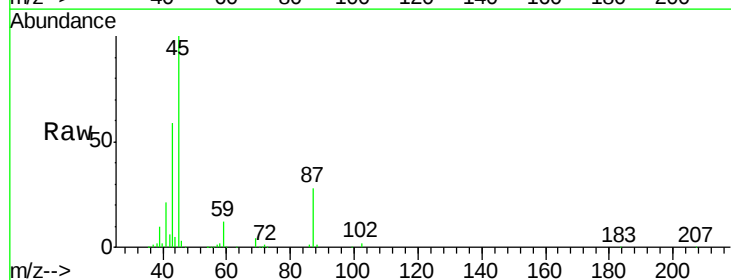
Ion Ratio Lower Upper

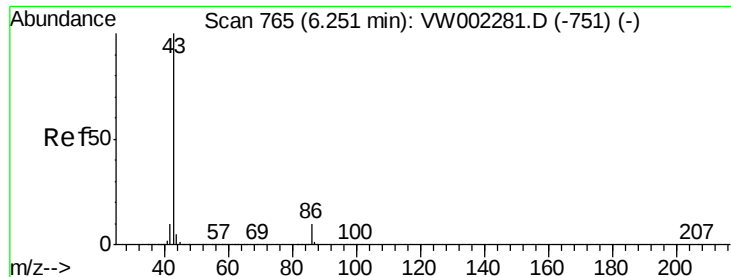
45 100

43 58.6 44.5 66.7

87 27.4 22.2 33.4

59 11.9 8.9 13.3





#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 :

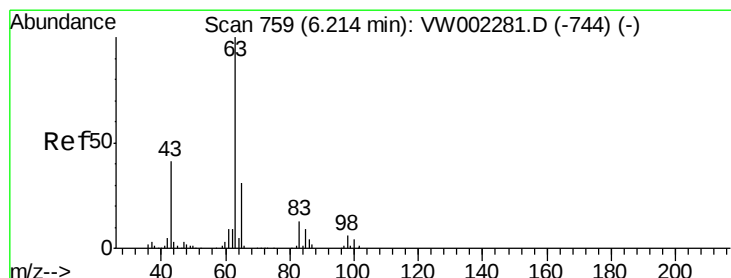
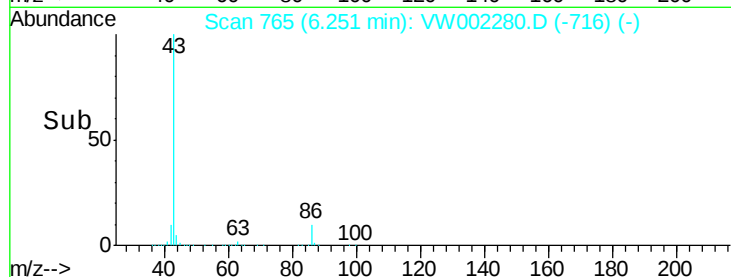
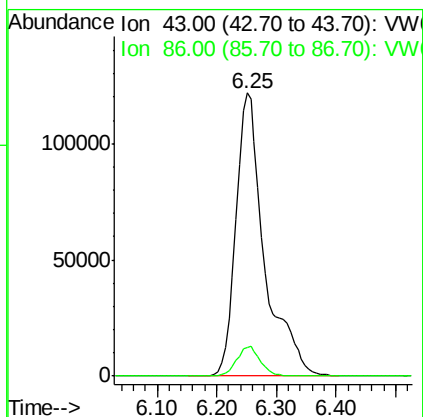
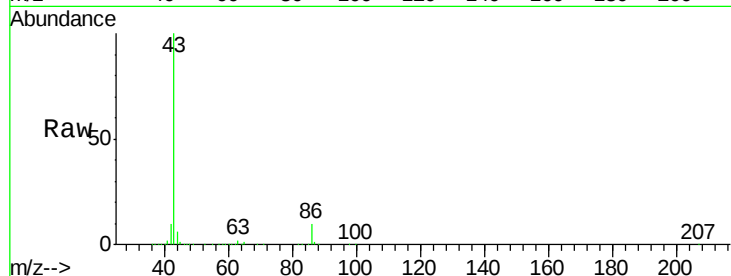
VSTDIC020

Tgt 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

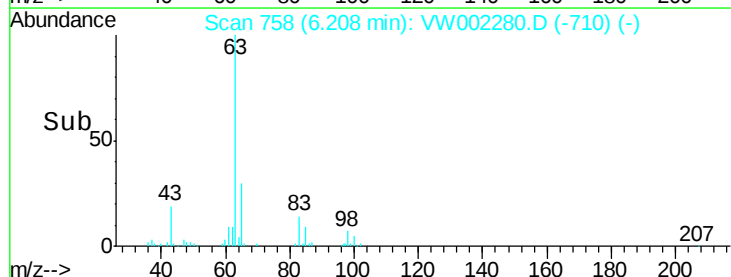
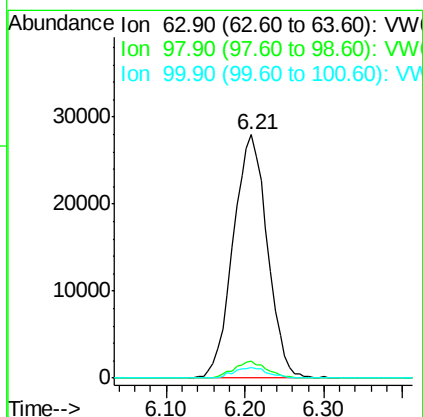
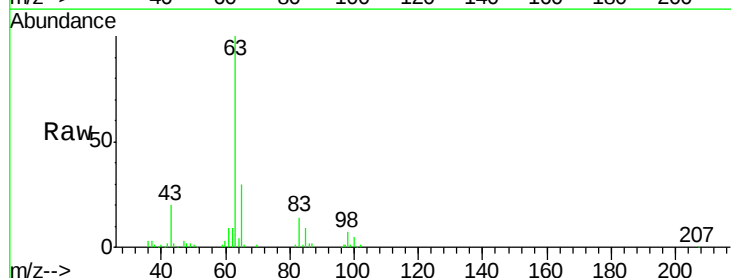
Tgt Ion: 63 Resp: 84028

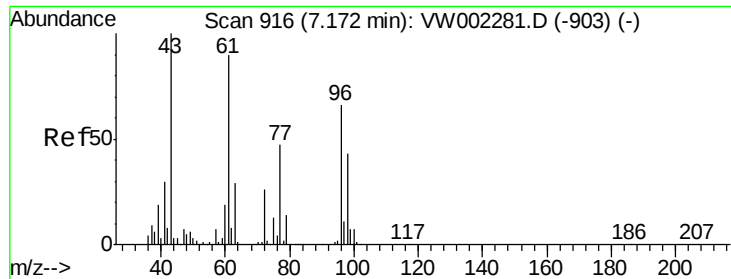
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

100 4.6 2.0 6.0

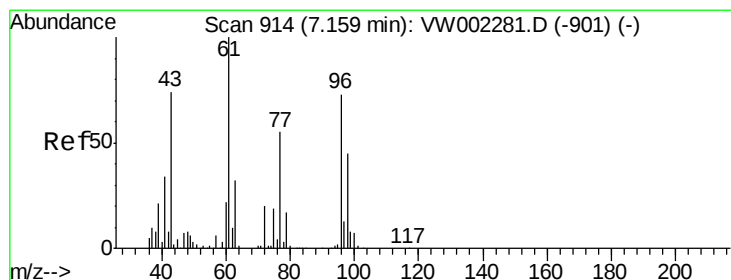
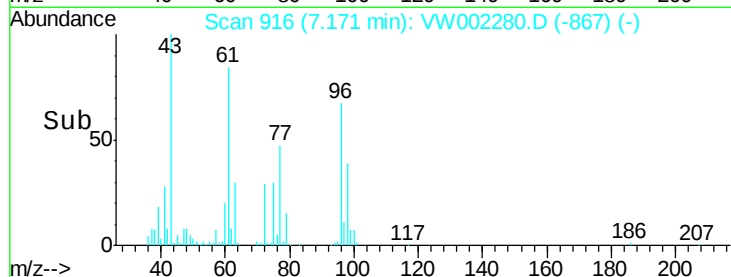
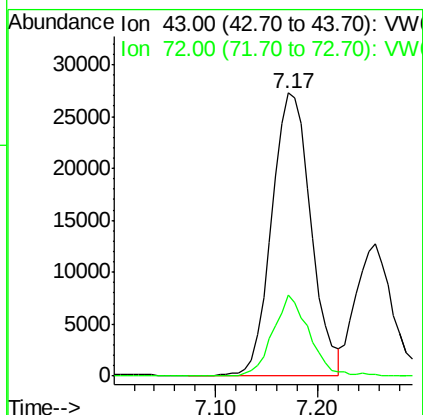
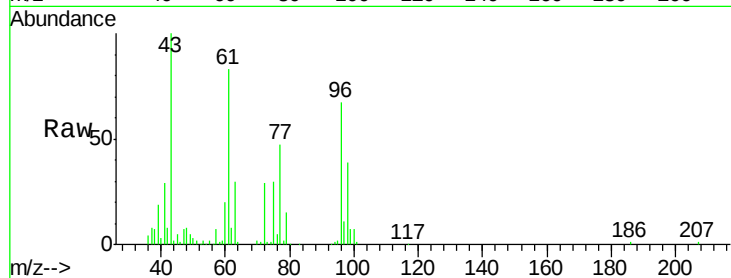




#25
 2-Butanone
 Concen: 156.45 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

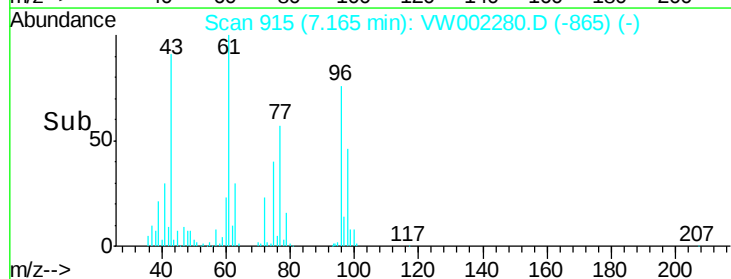
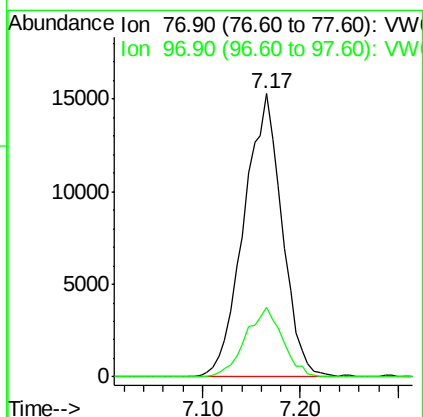
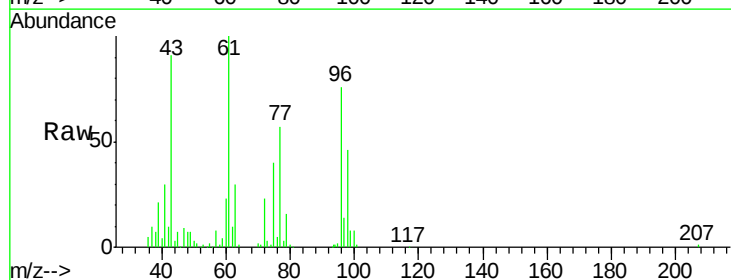
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

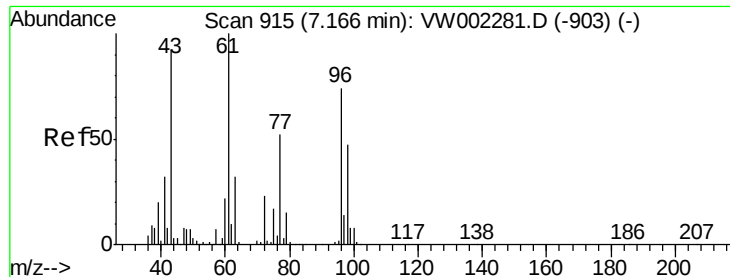
Tgt Ion: 43 Resp: 72712
 Ion Ratio Lower Upper
 43 100
 72 28.5 20.6 31.0



#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



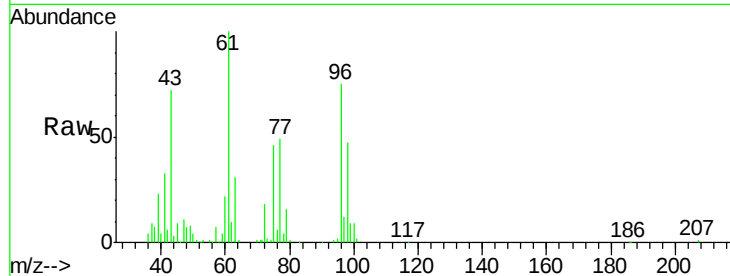


#27

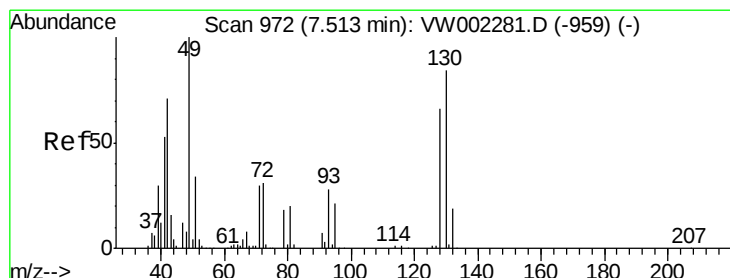
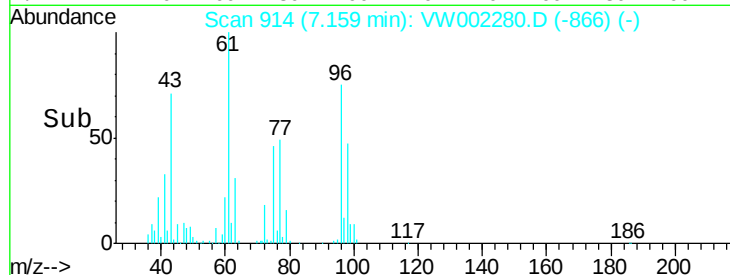
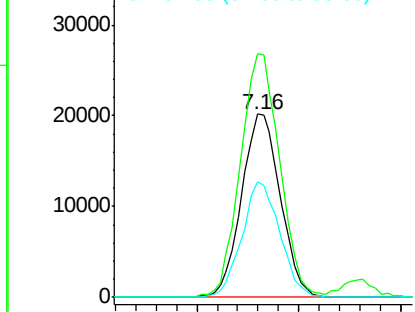
cis-1,2-Dichloroethene
Concen: 23.80 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 53339
Ion Ratio Lower Upper
96 100
61 134.6 0.0 274.8
98 61.6 0.0 128.4



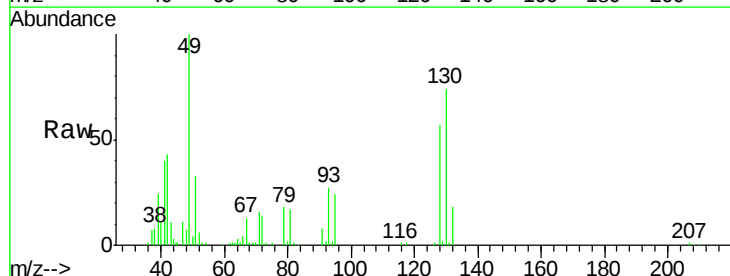
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



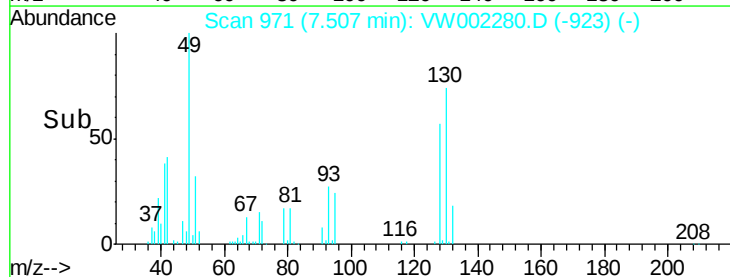
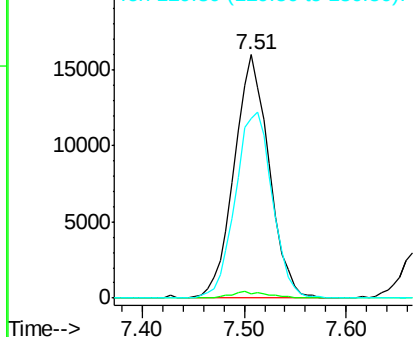
#28

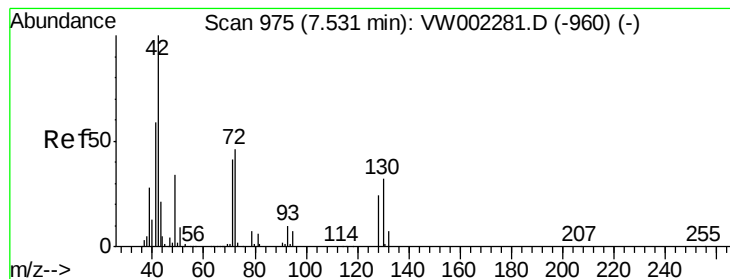
Bromochloromethane
Concen: 31.35 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

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

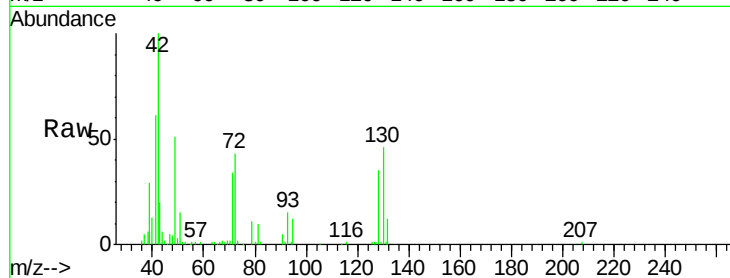
Tgt Ion: 42 Resp: 45773

Ion Ratio Lower Upper

42 100

72 42.3 34.5 51.7

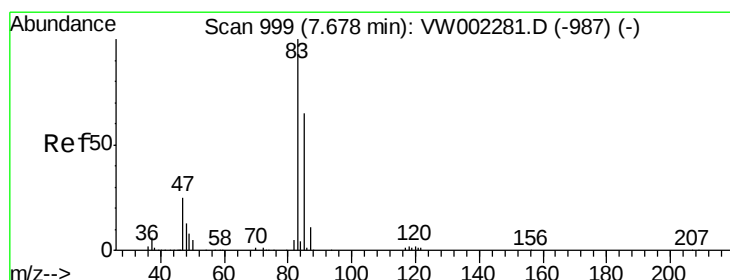
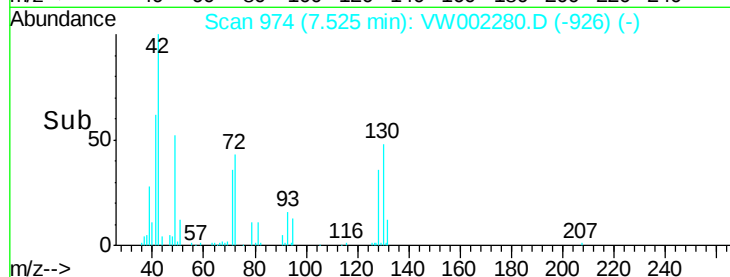
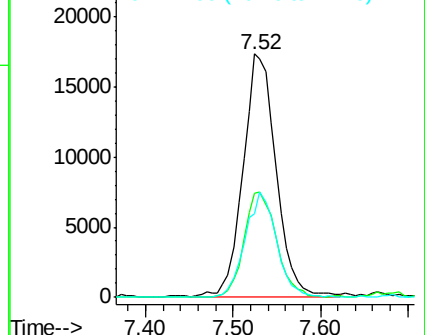
71 41.0 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 22.20 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002280.D

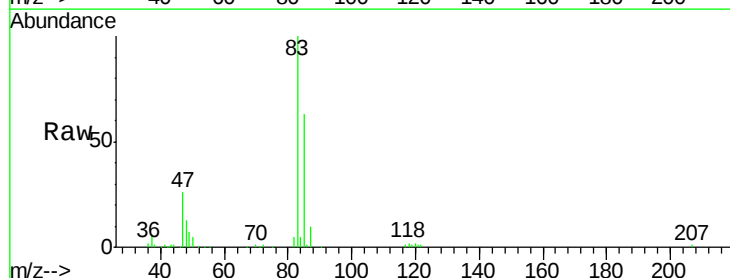
Acq: 08 May 2018 00:36

Tgt Ion: 83 Resp: 88431

Ion Ratio Lower Upper

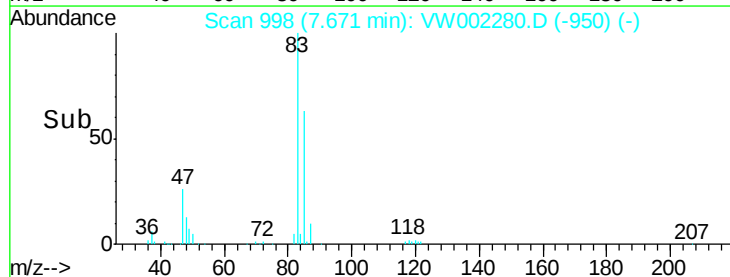
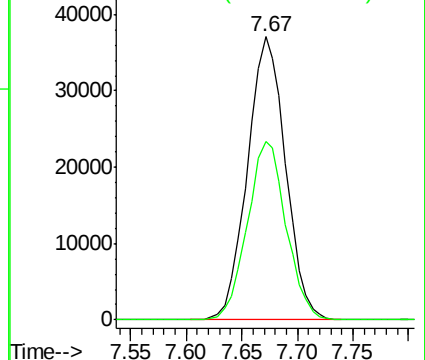
83 100

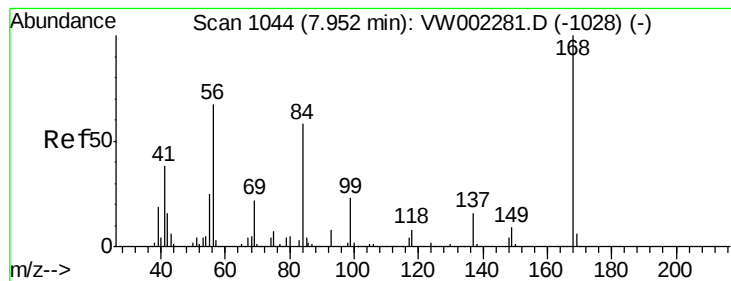
85 63.1 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#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

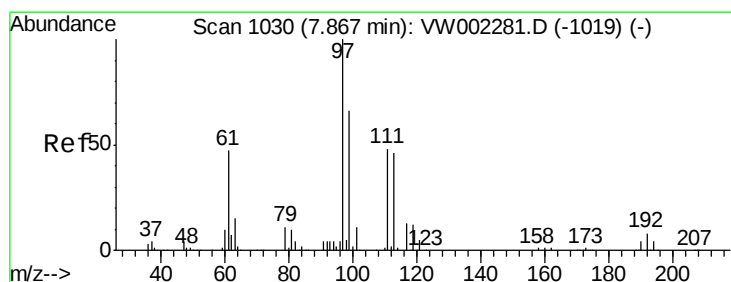
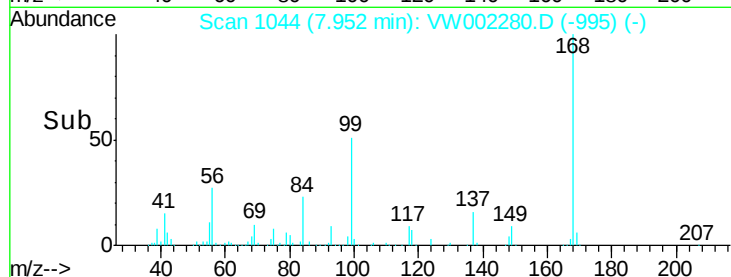
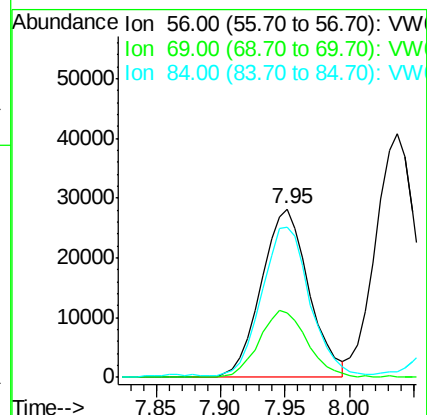
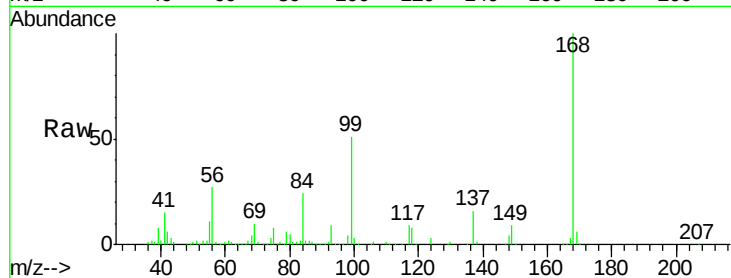
Tgt Ion: 56 Resp: 72211

Ion Ratio Lower Upper

56 100

69 37.9 26.2 39.4

84 87.6 69.2 103.8



#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

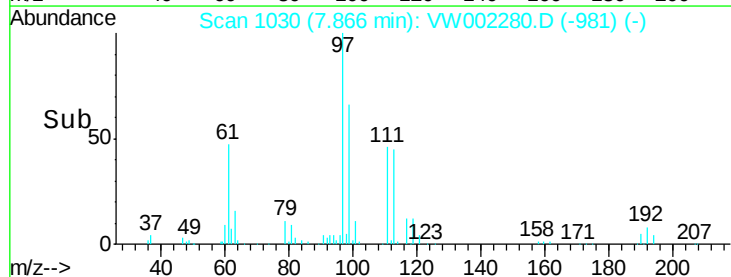
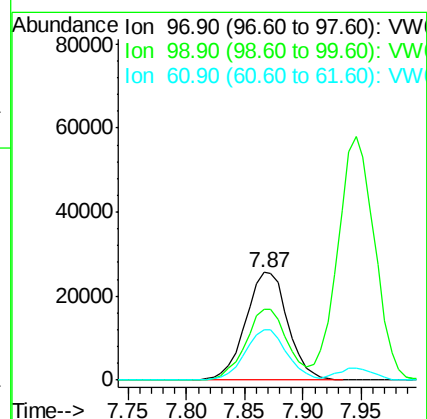
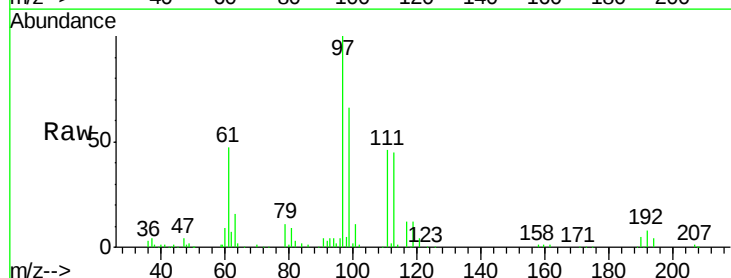
Tgt Ion: 97 Resp: 64719

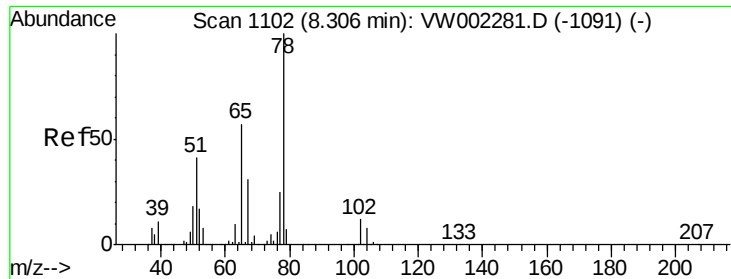
Ion Ratio Lower Upper

97 100

99 65.0 52.6 79.0

61 46.3 35.6 53.4

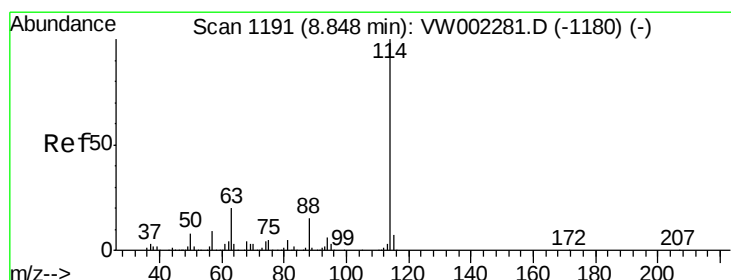
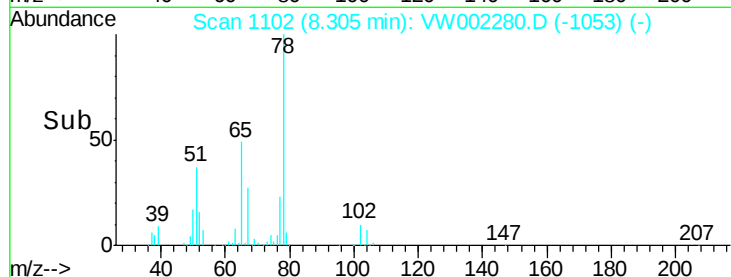
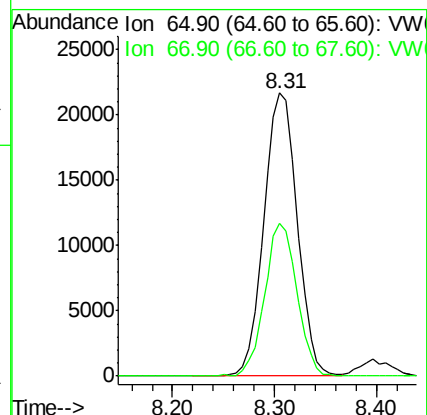
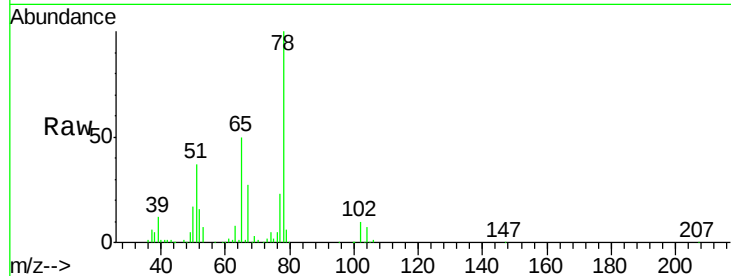




#33
 1,2-Dichloroethane-d4
 Concen: 23.50 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

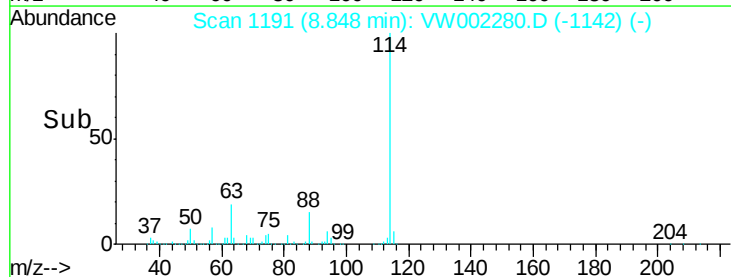
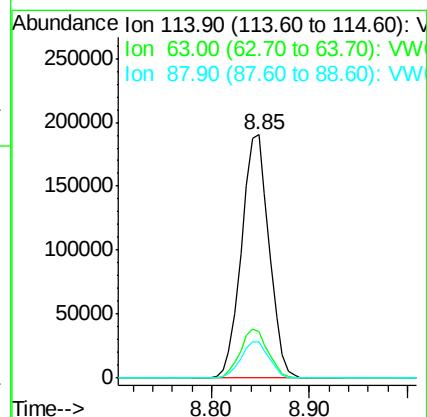
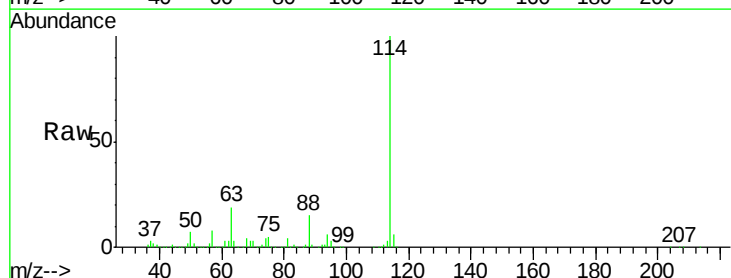
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

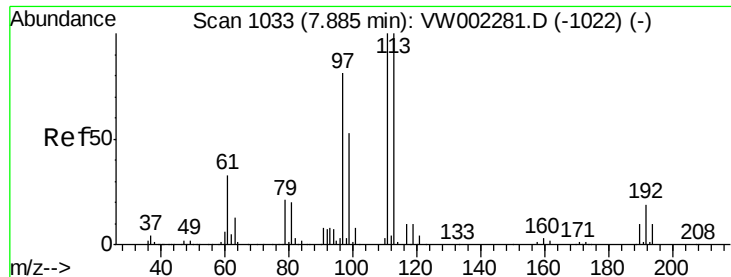
Tgt Ion: 65 Resp: 49298
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.2



#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

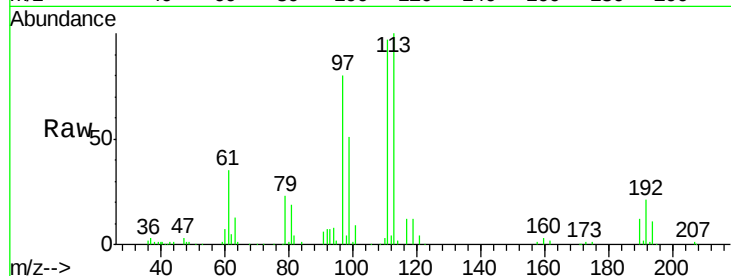
Tgt Ion: 113 Resp: 46572

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

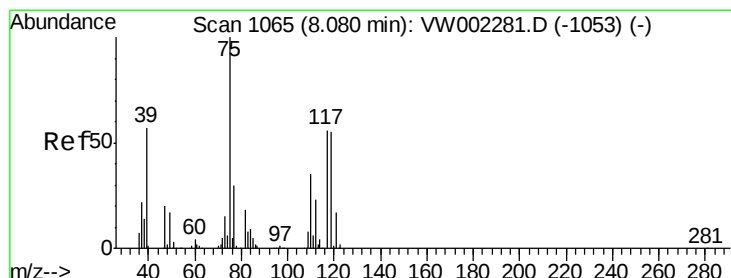
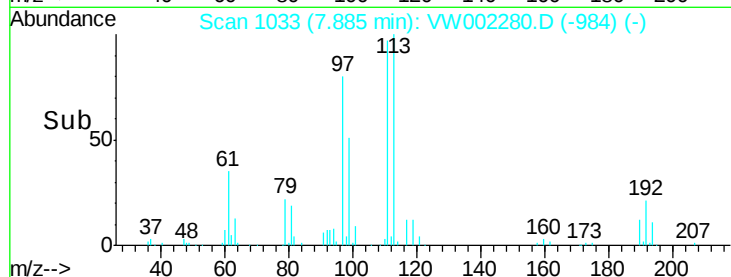
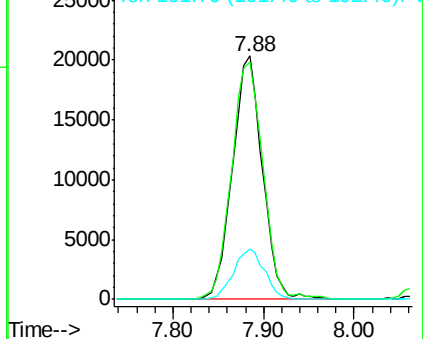
192 21.1 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

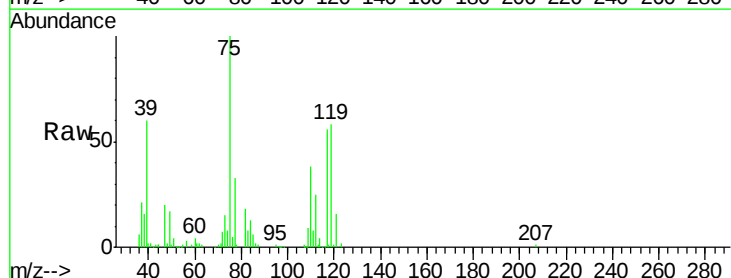
Tgt Ion: 75 Resp: 66739

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.1

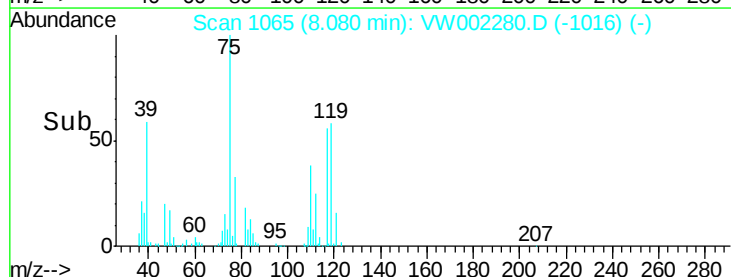
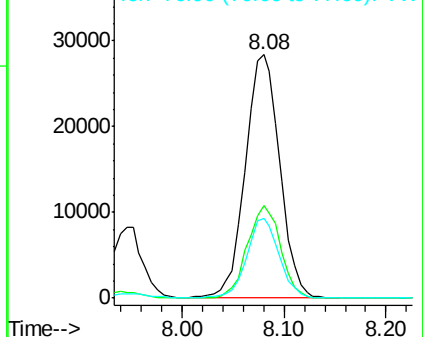
77 30.7 24.5 36.7

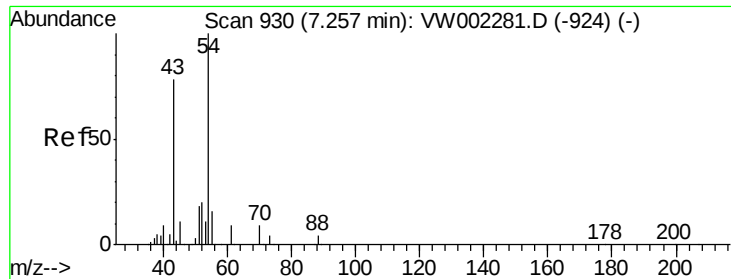


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

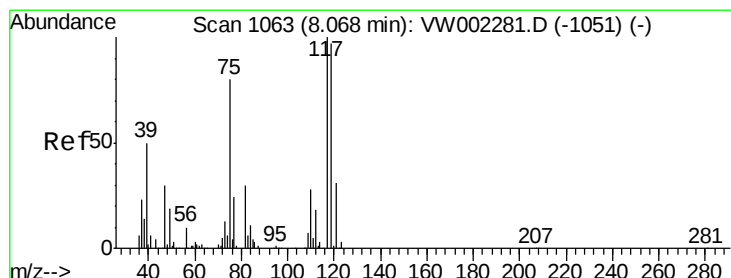
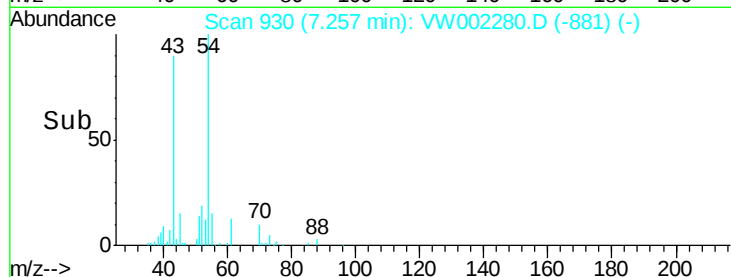
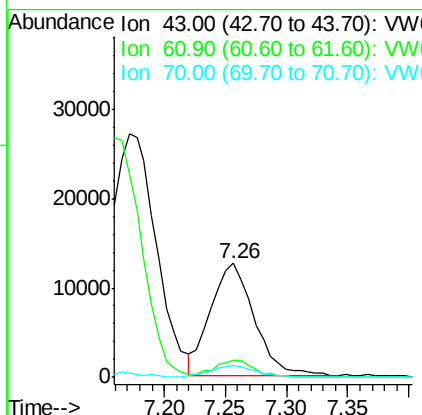
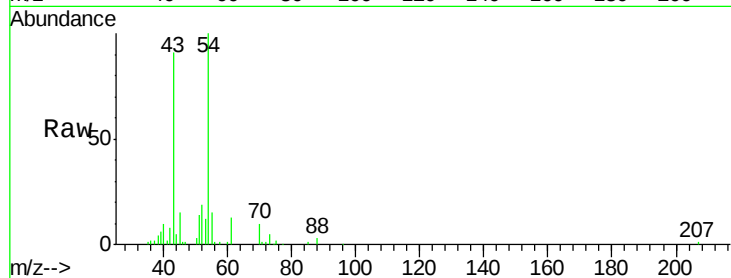




#37
 Ethyl Acetate
 Concen: 28.55 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

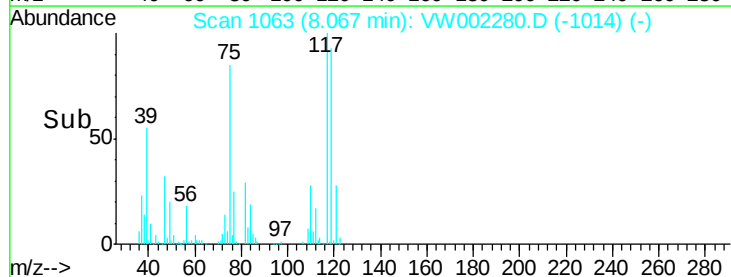
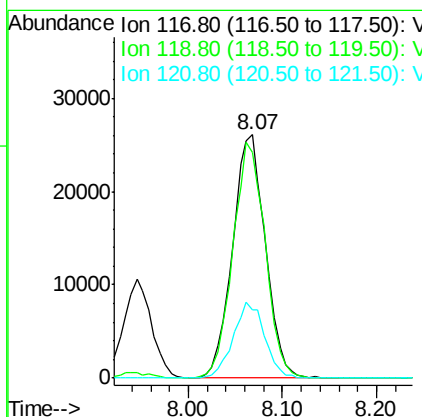
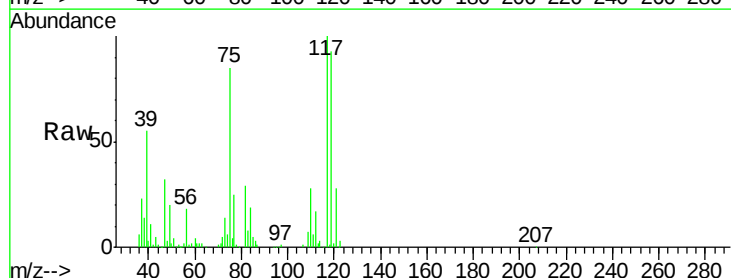
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

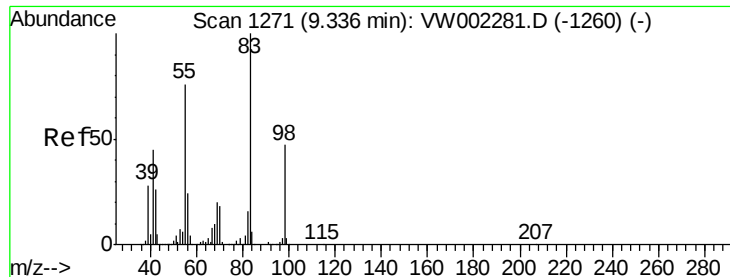
Tgt Ion: 43 Resp: 31273
 Ion Ratio Lower Upper
 43 100
 61 14.2 11.1 16.7
 70 10.9 7.9 11.9



#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

Methylcyclohexane

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

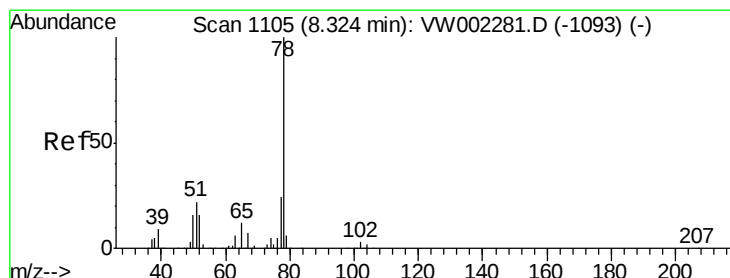
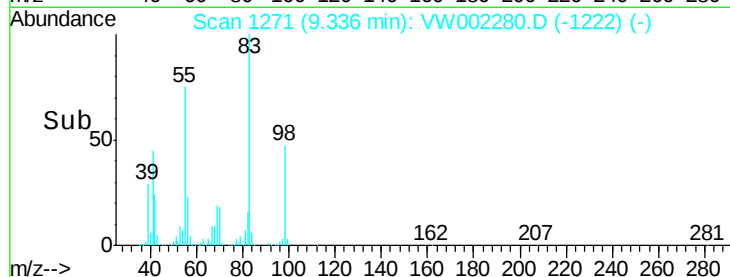
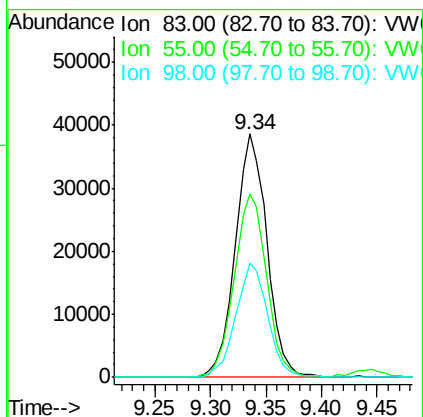
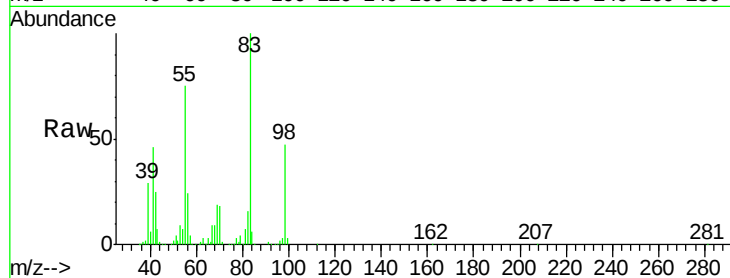
Tgt Ion: 83 Resp: 76170

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

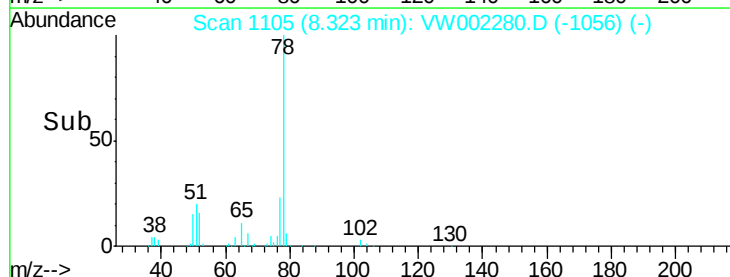
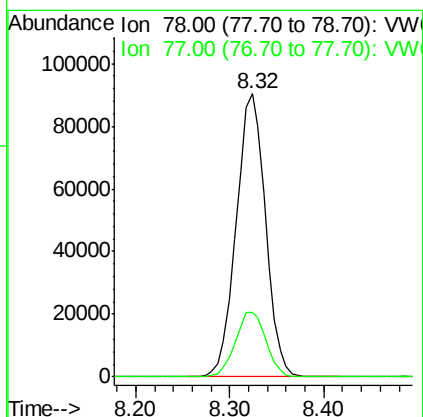
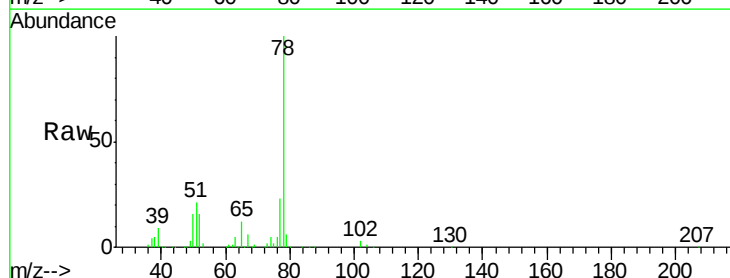
Acq: 08 May 2018 00:36

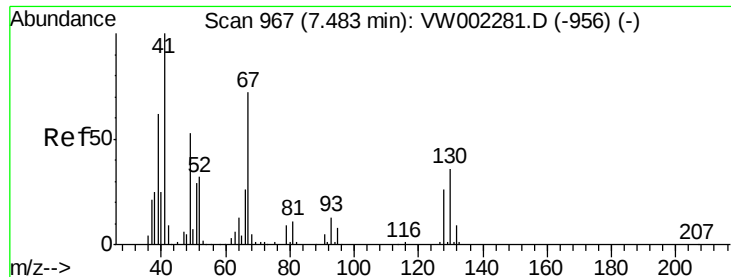
Tgt Ion: 78 Resp: 195373

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

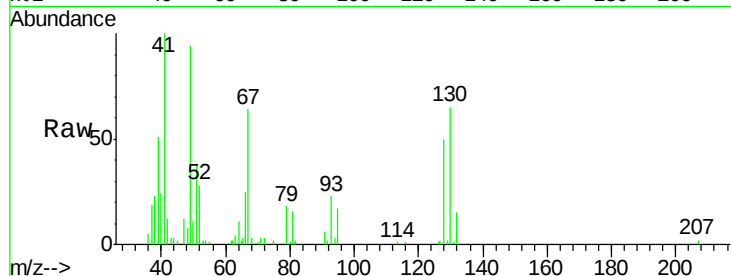




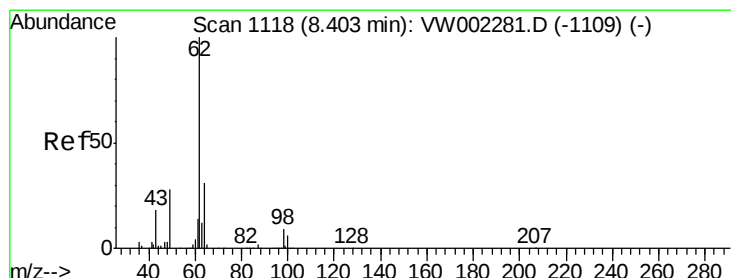
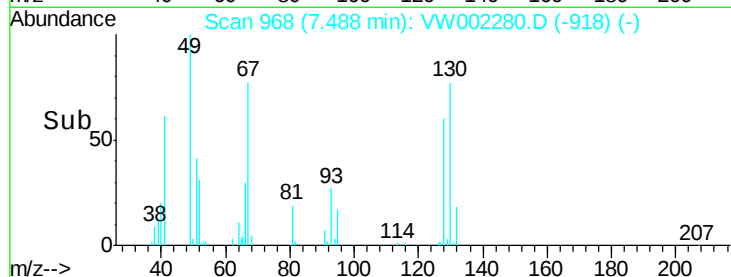
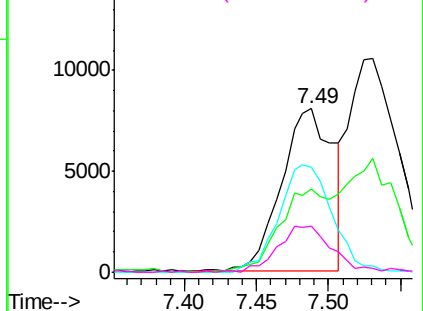
#41
Methacrylonitrile
Concen: 33.24 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt 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

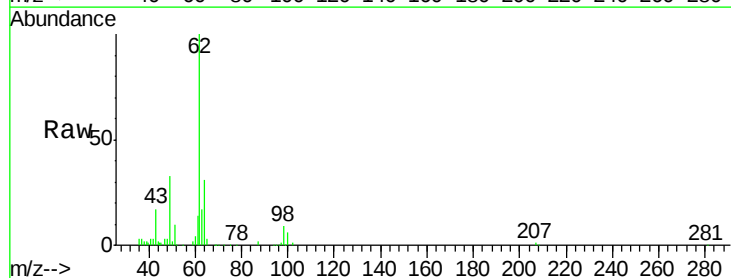


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

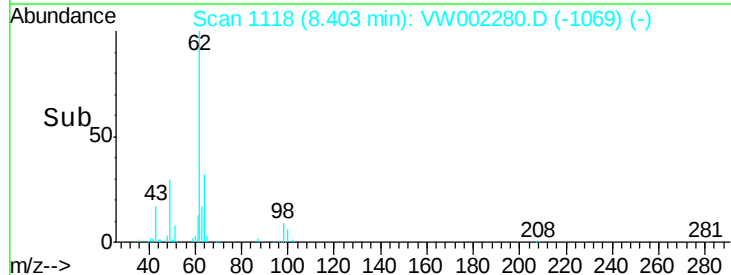
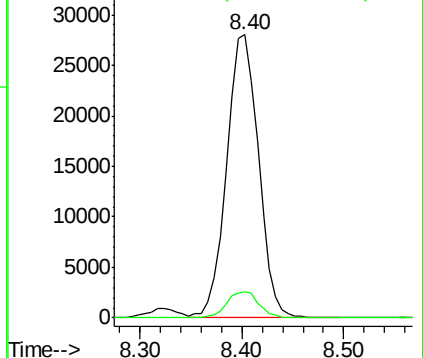


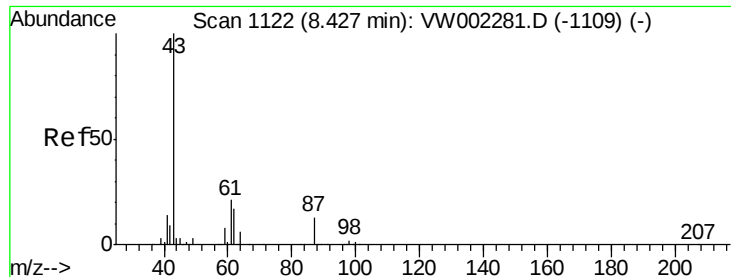
#42
1,2-Dichloroethane
Concen: 20.63 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

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

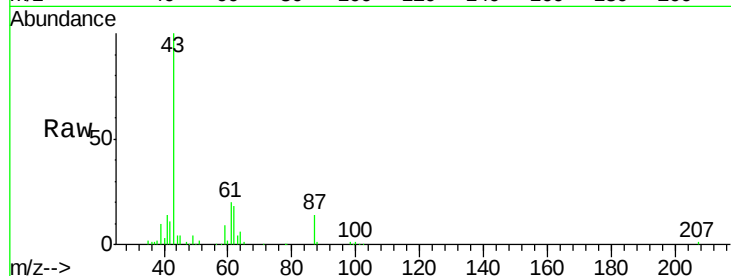
Tgt Ion: 43 Resp: 59123

Ion Ratio Lower Upper

43 100

61 29.4 23.7 35.5

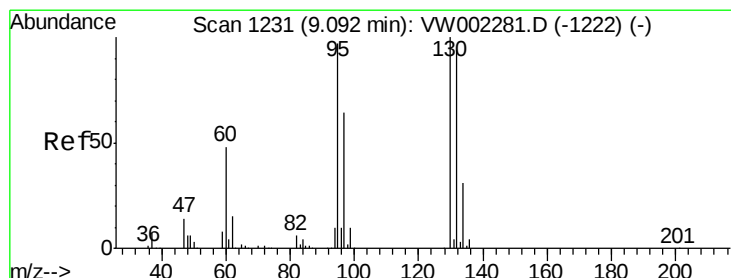
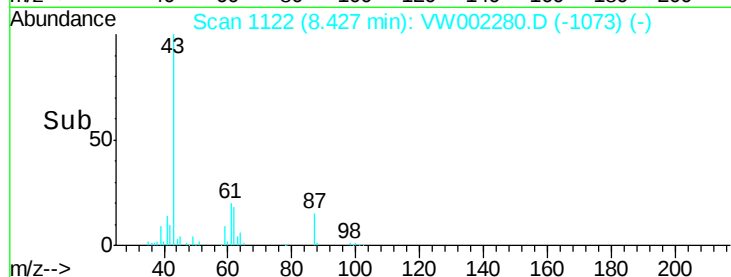
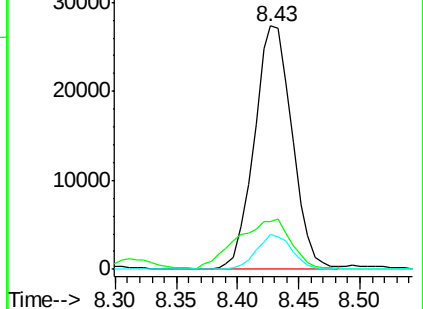
87 13.6 10.7 16.1



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

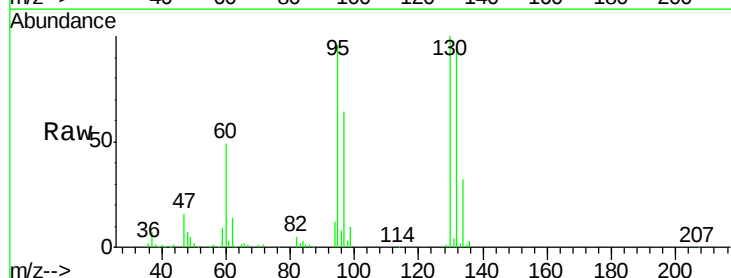
Acq: 08 May 2018 00:36

Tgt Ion: 130 Resp: 51698

Ion Ratio Lower Upper

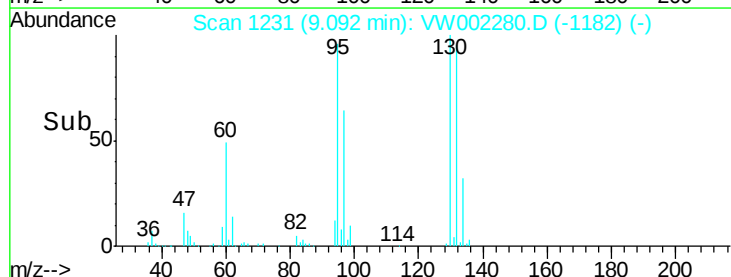
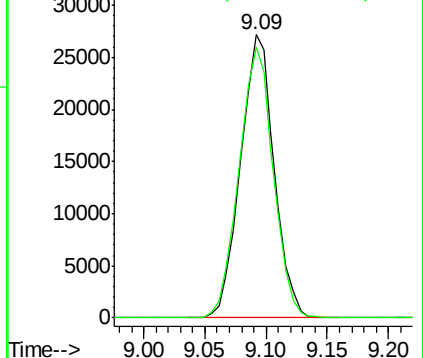
130 100

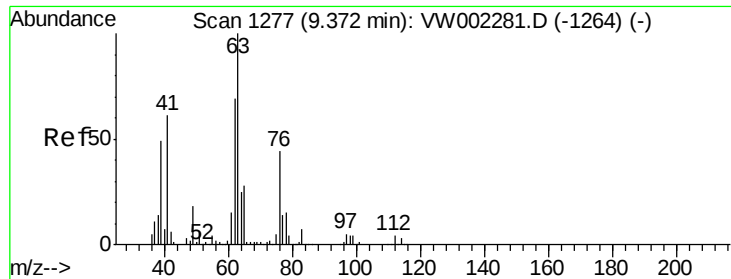
95 95.7 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

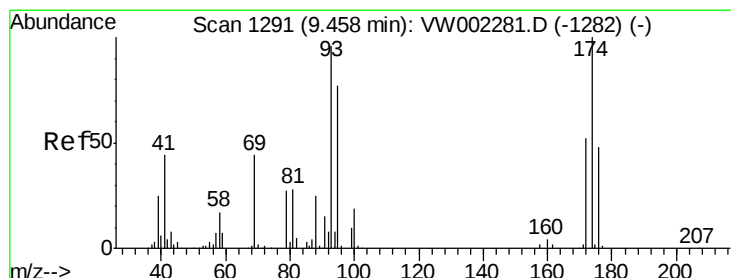
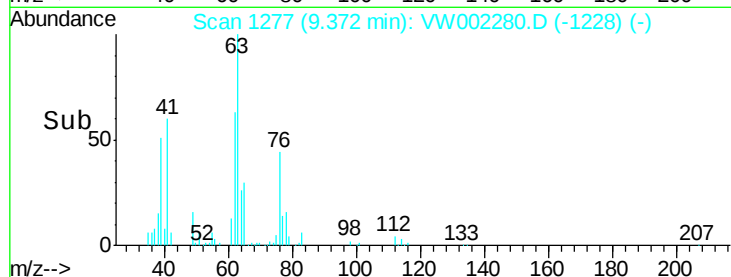
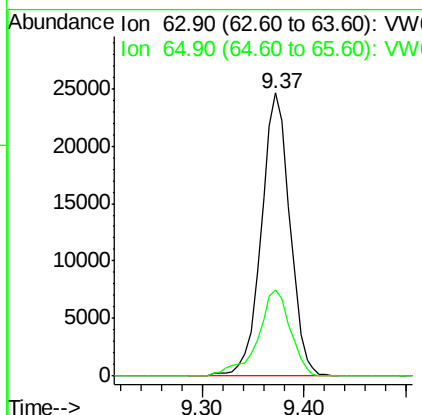
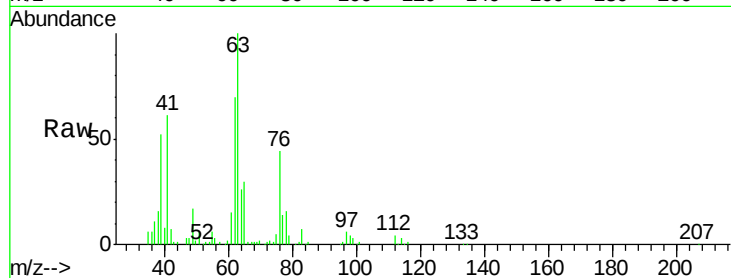




#45
 1,2-Dichloropropane
 Concen: 22.07 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

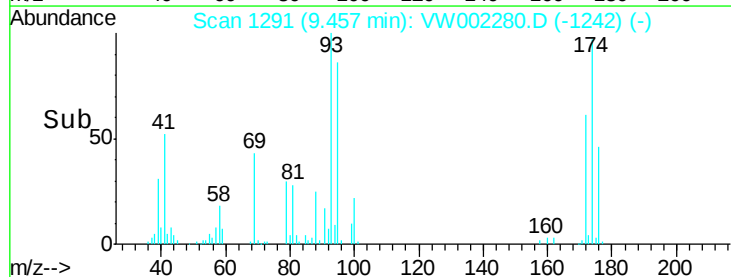
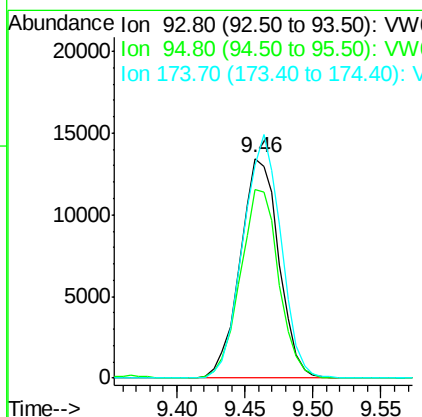
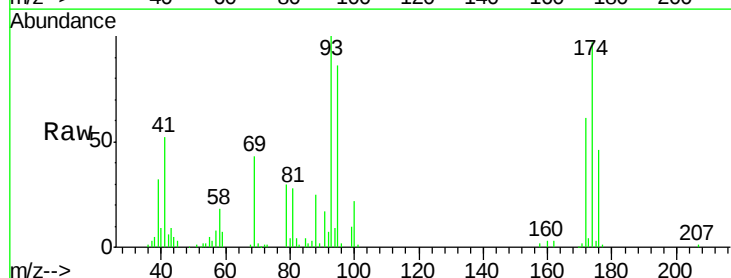
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

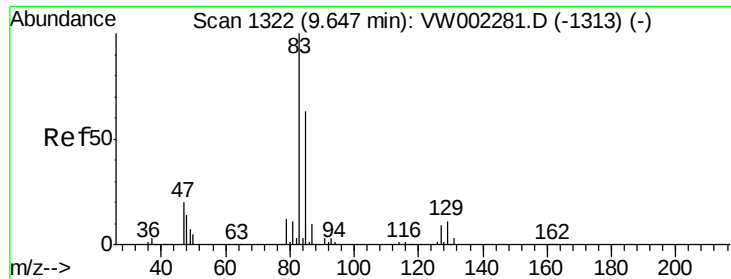
Tgt Ion: 63 Resp: 47904
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.9 34.3



#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

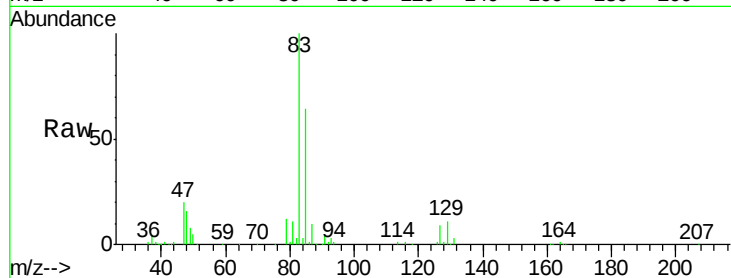
Tgt Ion: 83 Resp: 63425

Ion Ratio Lower Upper

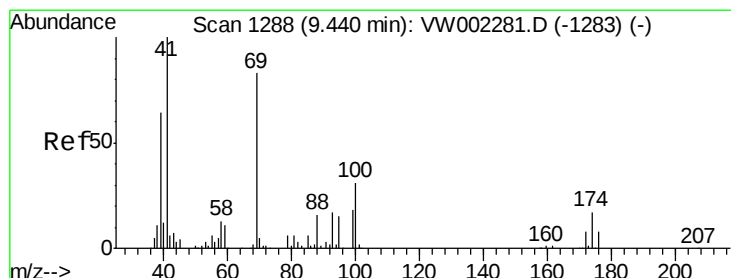
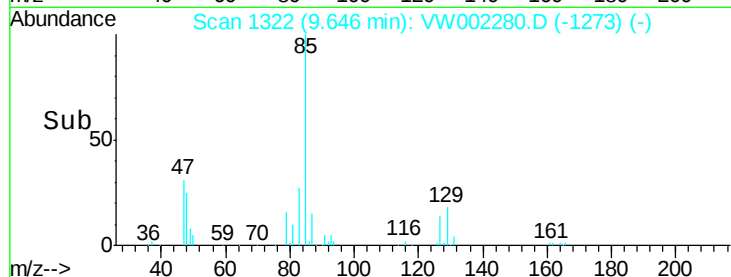
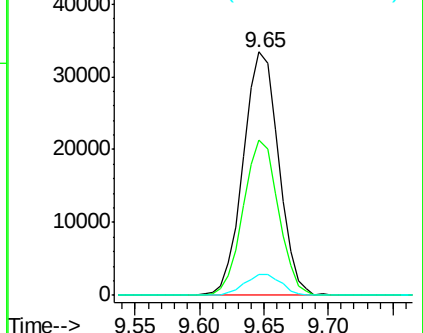
83 100

85 63.9 50.2 75.2

127 8.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#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

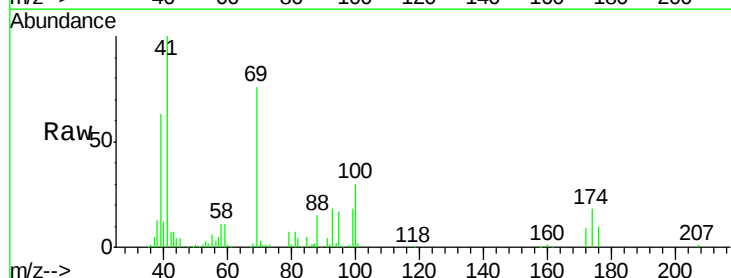
Tgt Ion: 41 Resp: 28161

Ion Ratio Lower Upper

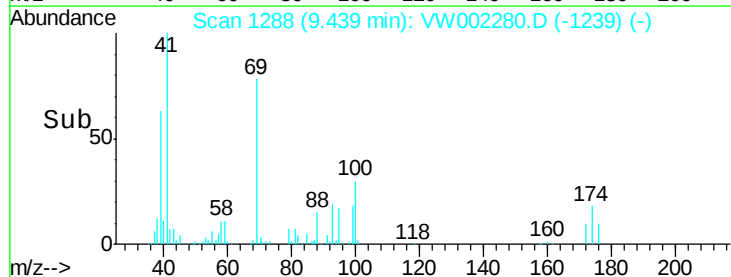
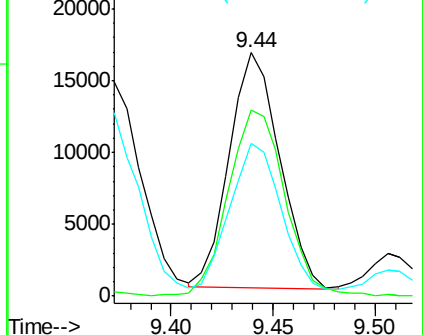
41 100

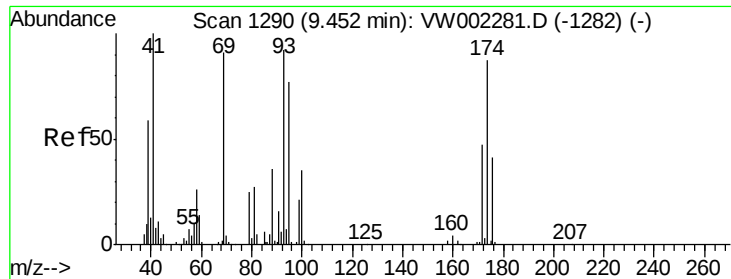
69 88.2 69.9 104.9

39 69.3 54.0 81.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#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

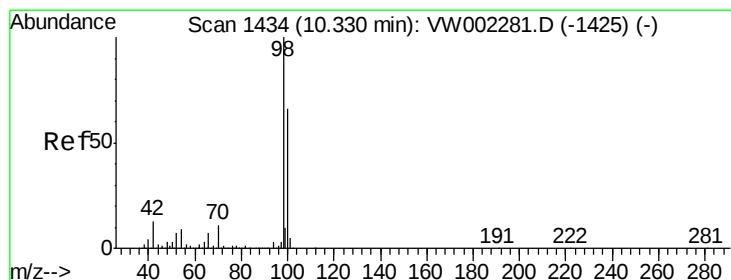
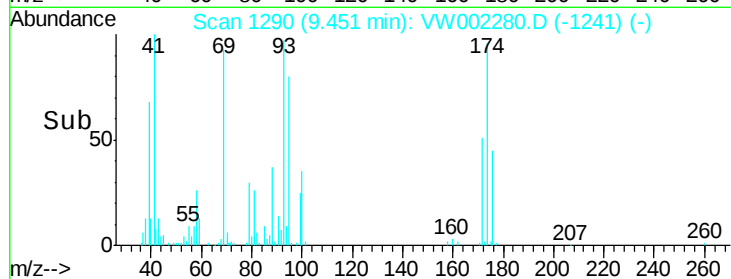
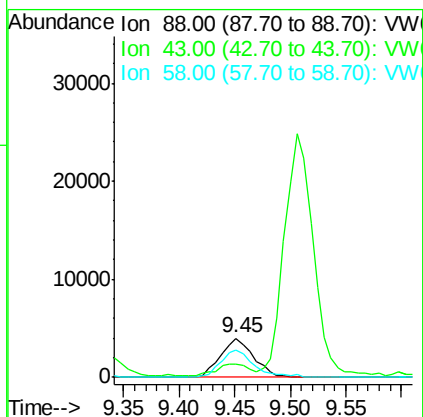
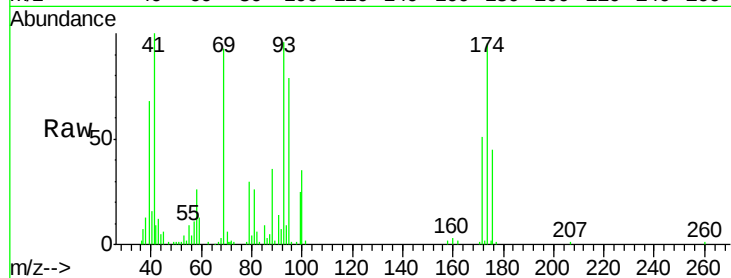
Tgt Ion: 88 Resp: 8304

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

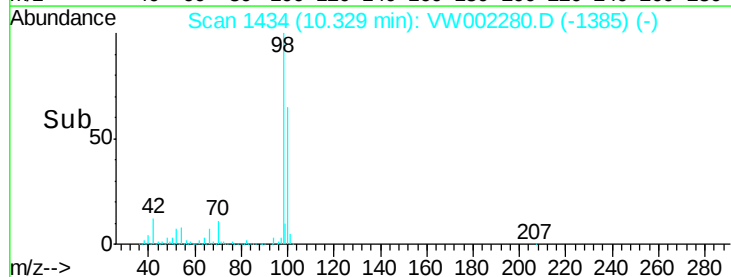
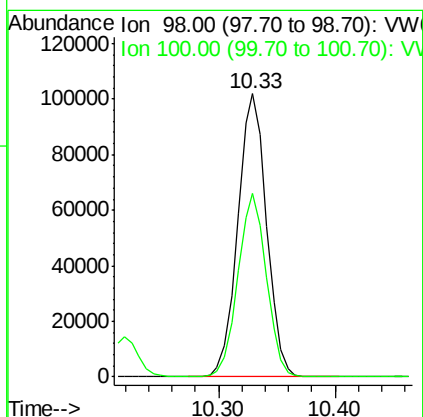
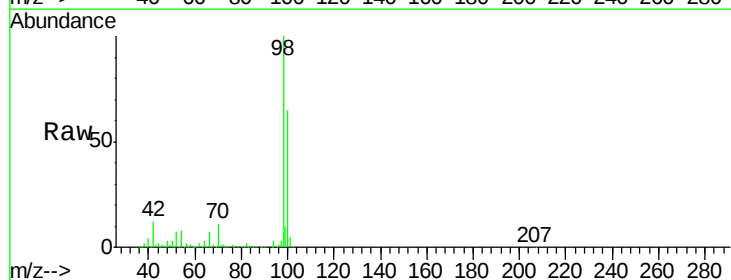
Acq: 08 May 2018 00:36

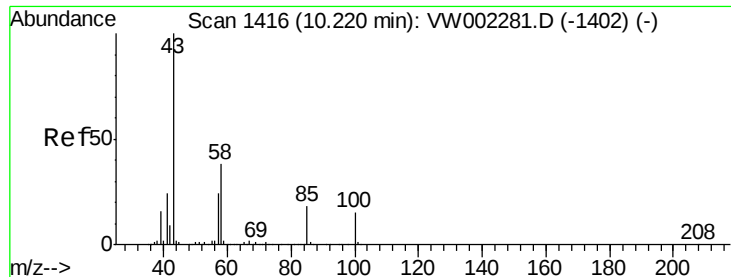
Tgt Ion: 98 Resp: 175211

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2

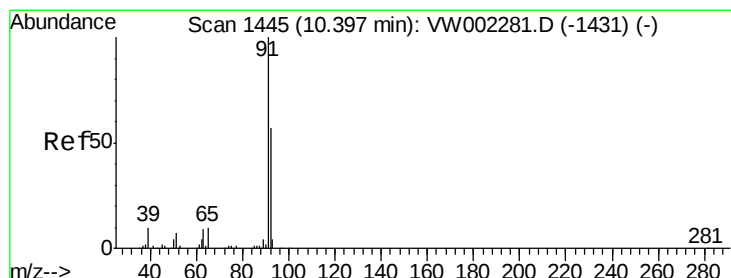
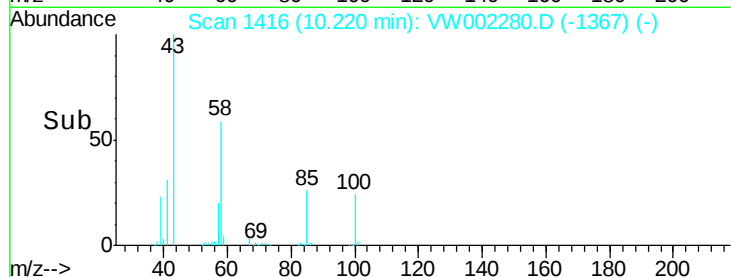
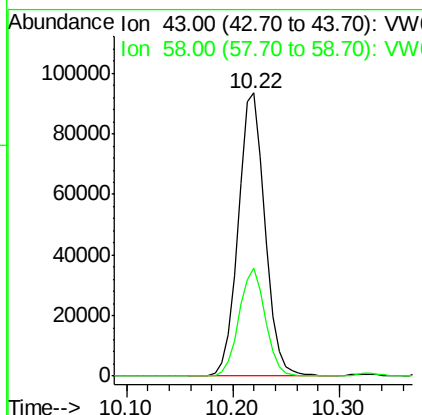
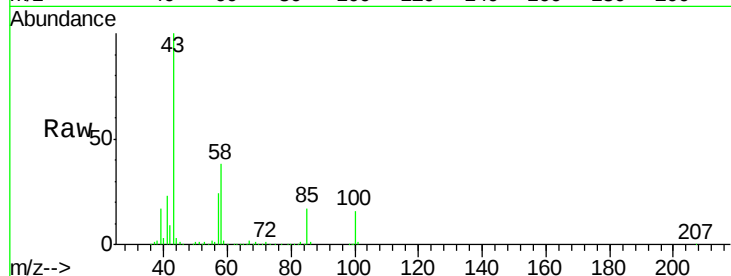




#51
 4-Methyl-2-Pentanone
 Concen: 150.52 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

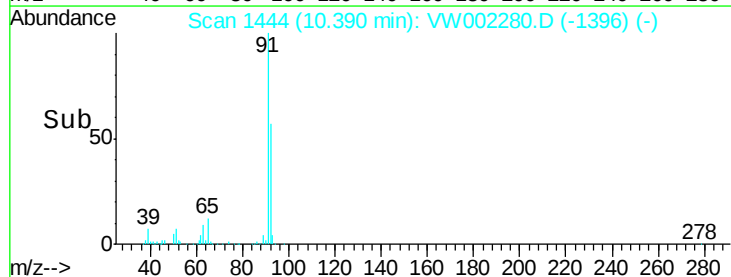
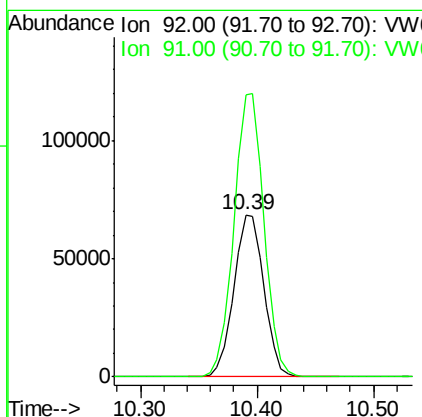
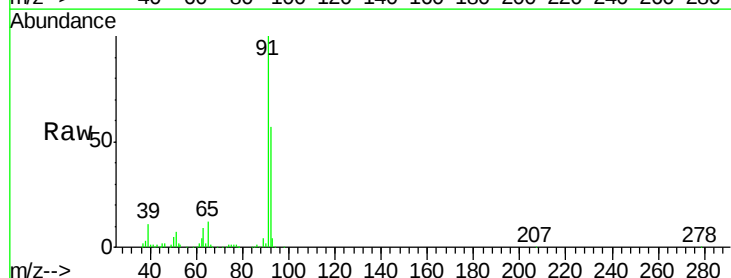
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

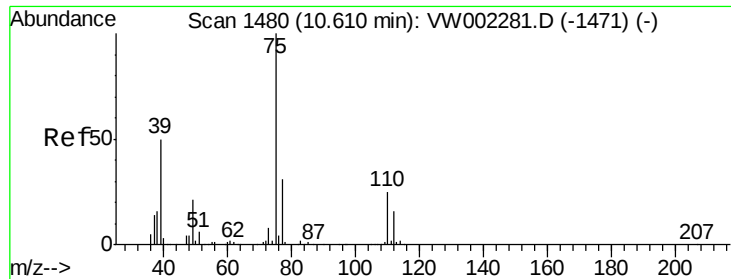
Tgt Ion: 43 Resp: 164541
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2



#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 :

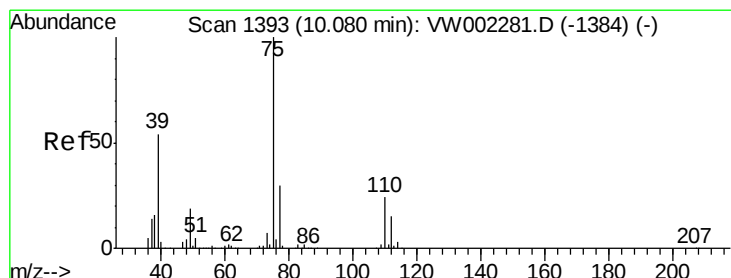
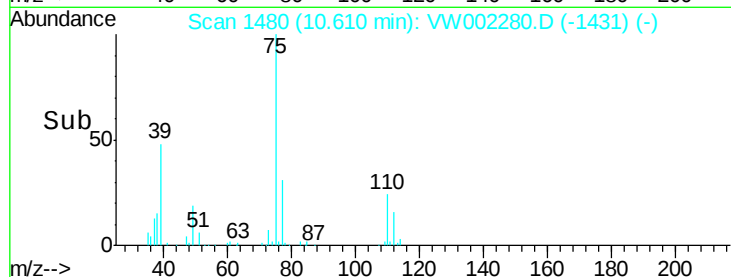
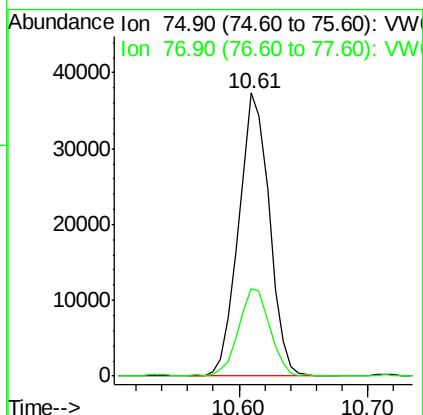
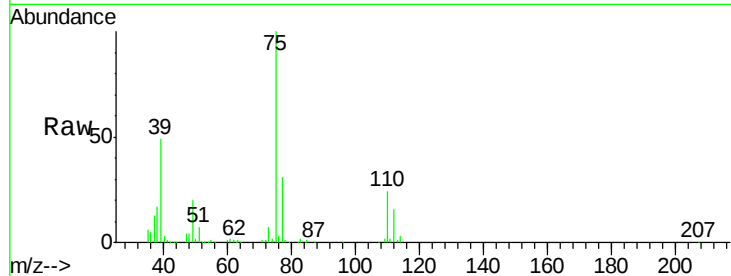
VSTDIC020

Tgt 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

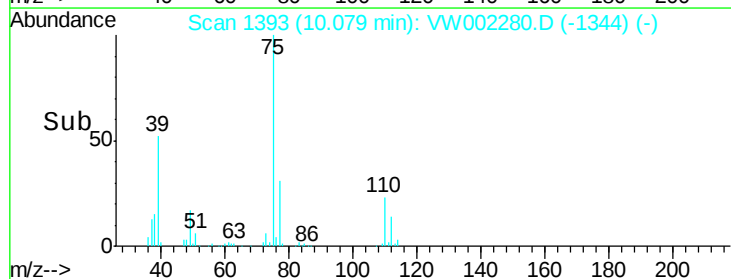
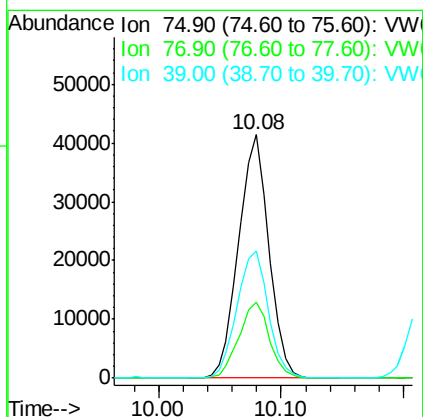
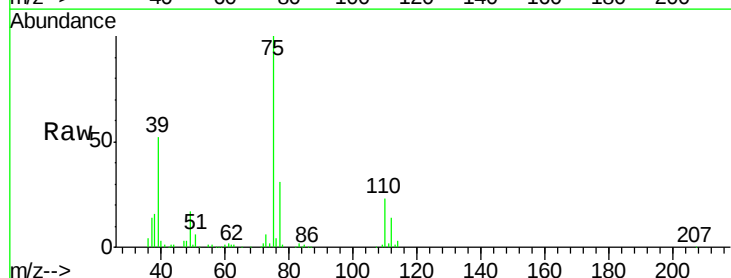
Tgt Ion: 75 Resp: 71079

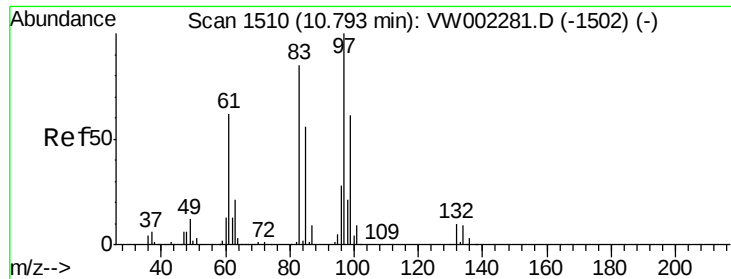
Ion Ratio Lower Upper

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

Tgt Ion: 97 Resp: 38126

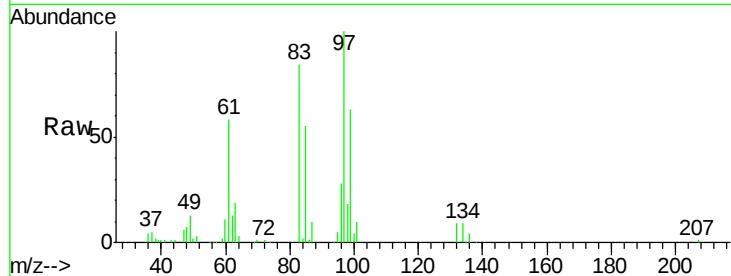
Ion Ratio Lower Upper

97 100

83 83.9 68.4 102.6

85 55.5 44.6 67.0

99 63.4 48.8 73.2

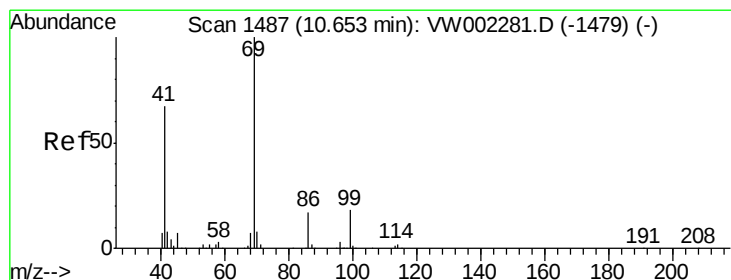
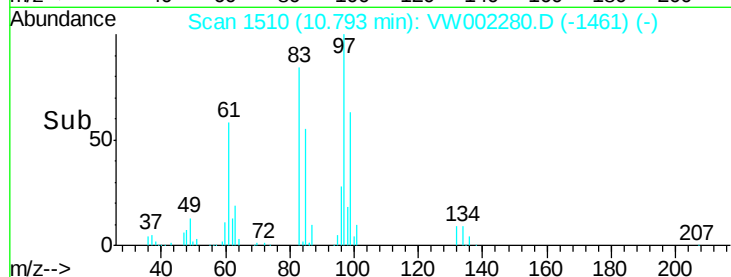
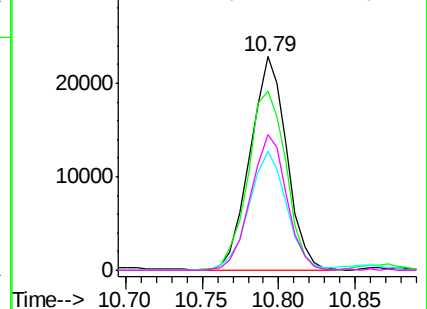


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 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

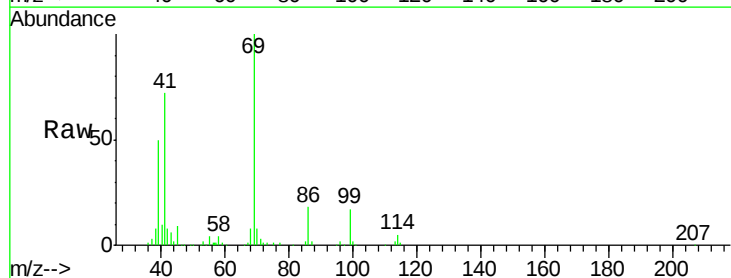
Tgt Ion: 69 Resp: 44989

Ion Ratio Lower Upper

69 100

41 68.1 56.0 84.0

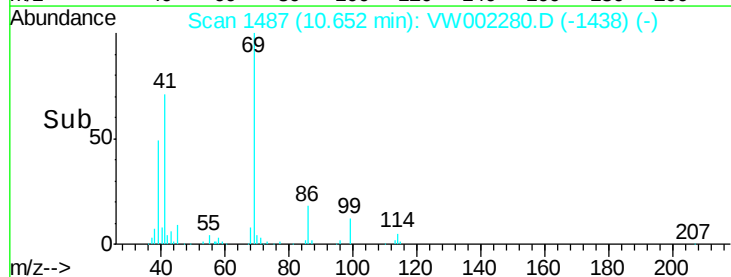
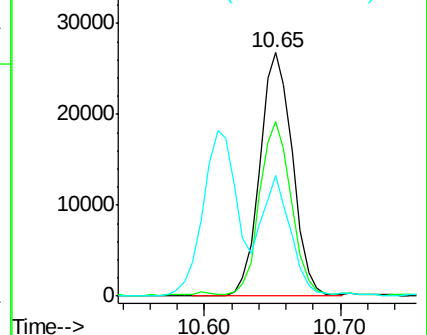
39 42.6 32.7 49.1

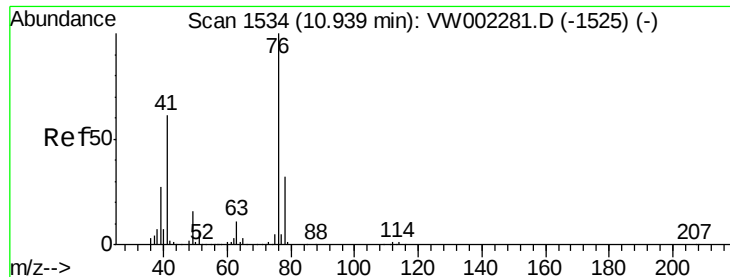


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

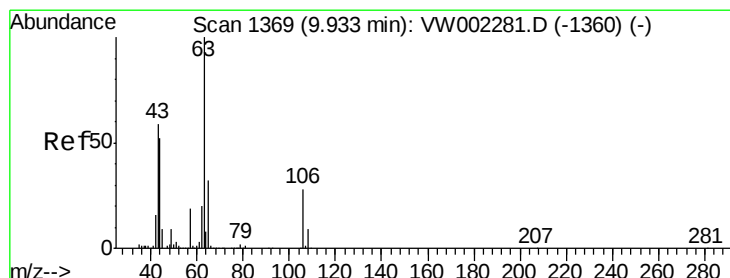
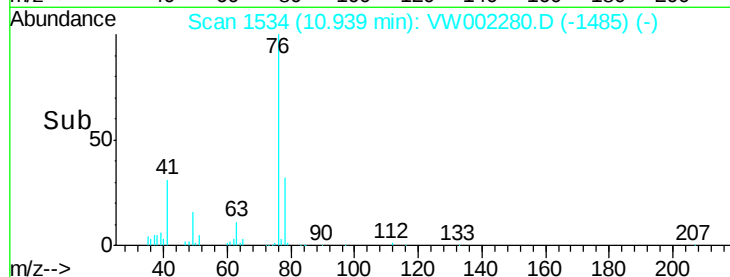
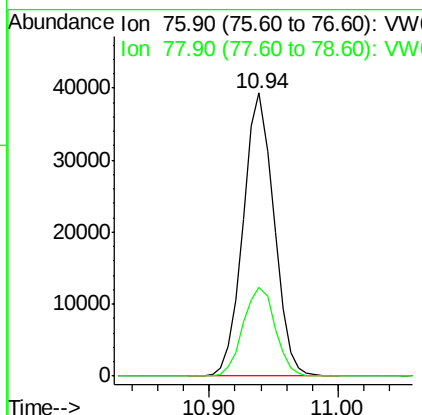
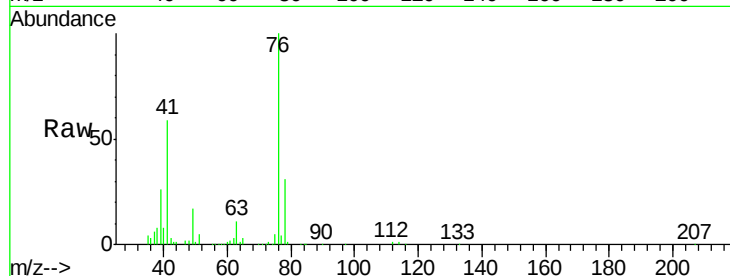




#57
 1,3-Dichloropropane
 Concen: 22.83 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

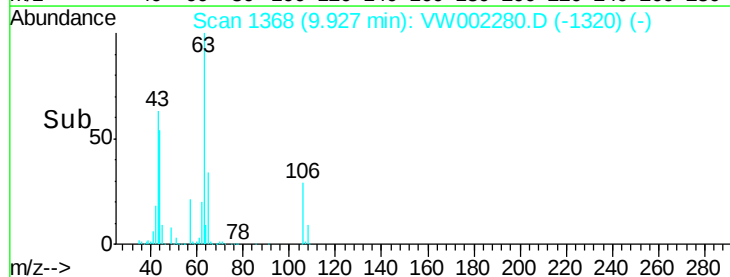
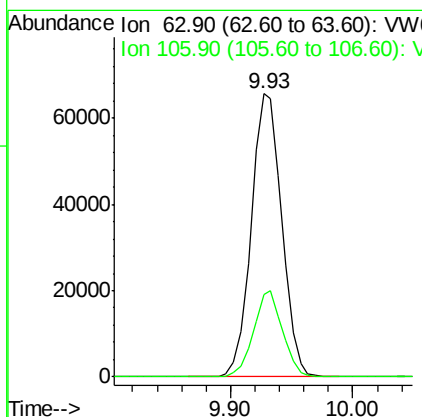
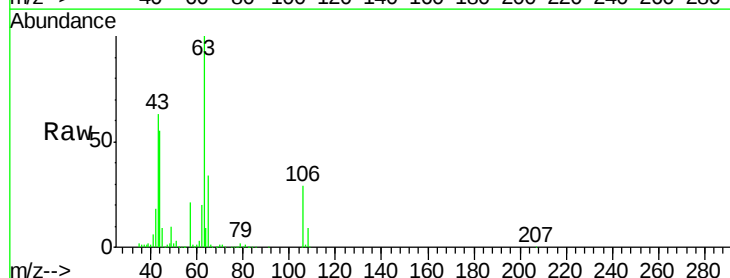
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

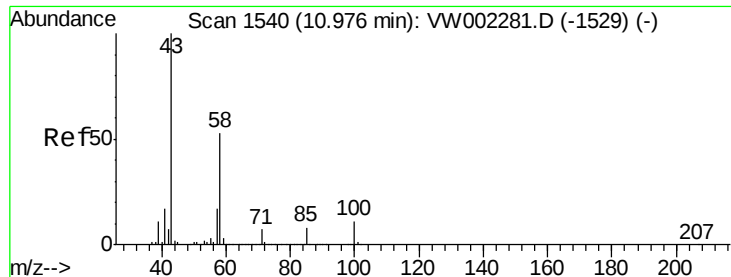
Tgt Ion: 76 Resp: 64882
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#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

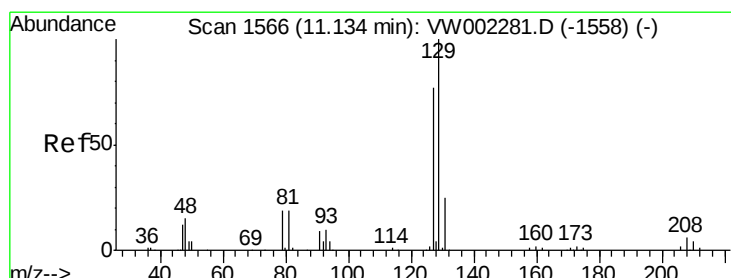
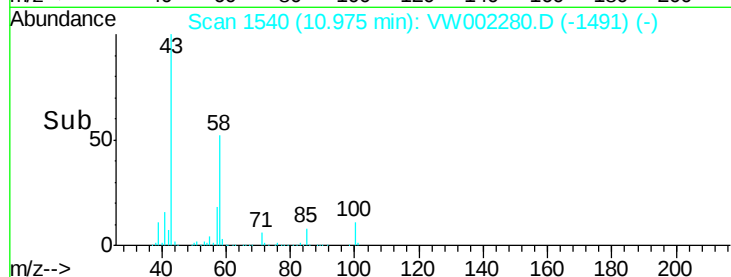
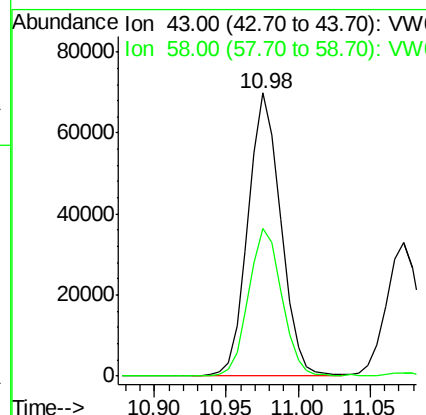
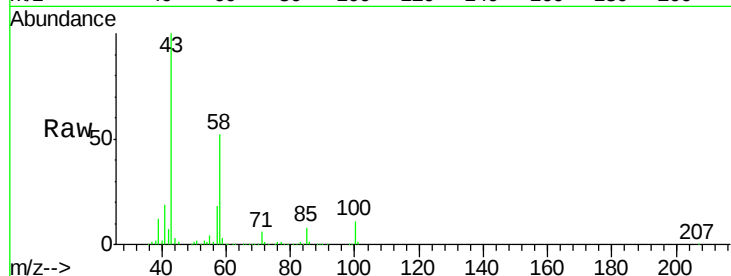




#59
2-Hexanone
Concen: 141.02 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

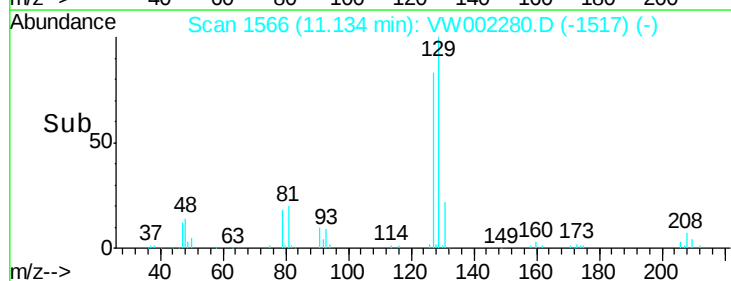
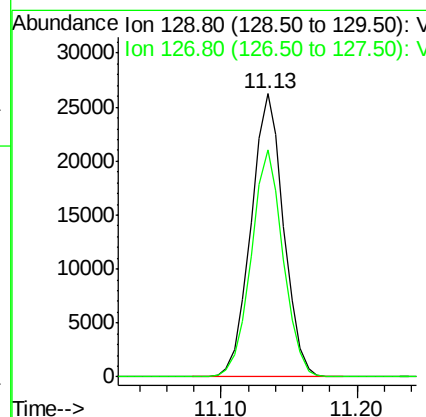
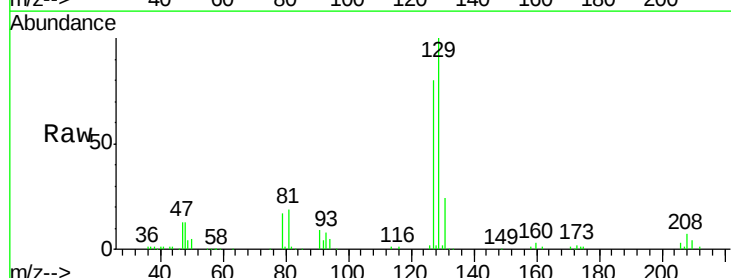
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

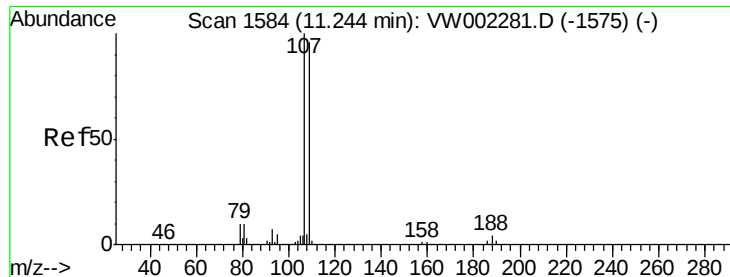
Tgt Ion: 43 Resp: 110519
Ion Ratio Lower Upper
43 100
58 52.6 26.0 78.0



#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 :

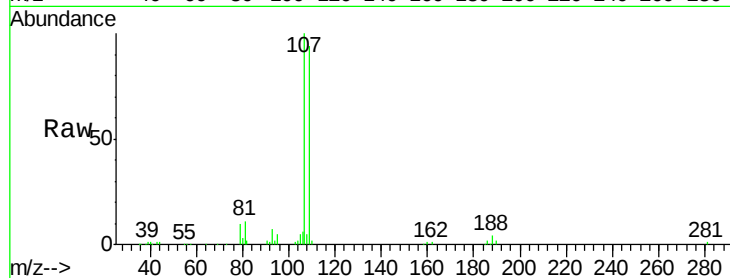
VSTDIC020

Tgt Ion: 107 Resp: 36497

Ion Ratio Lower Upper

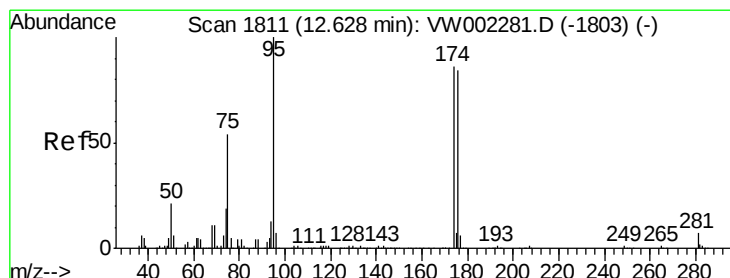
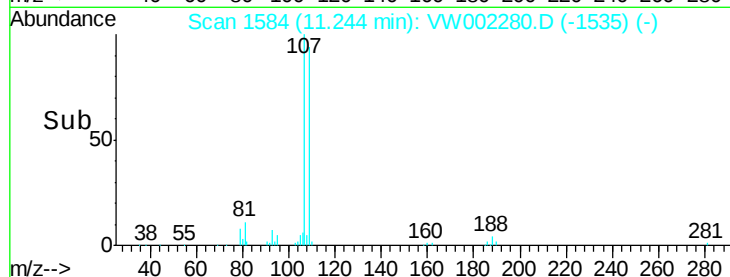
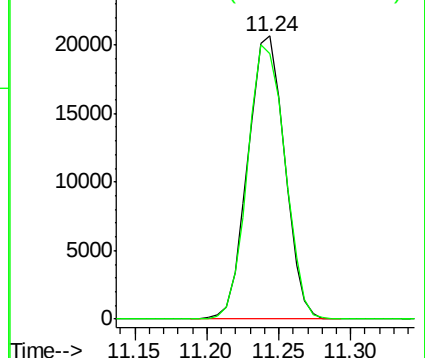
107 100

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

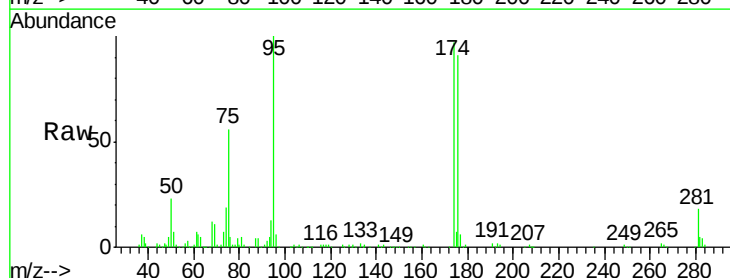
Tgt Ion: 95 Resp: 61977

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

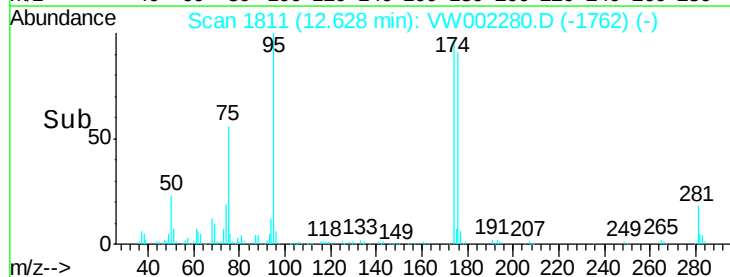
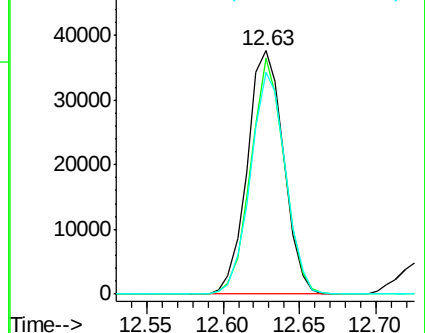
176 88.0 0.0 170.4

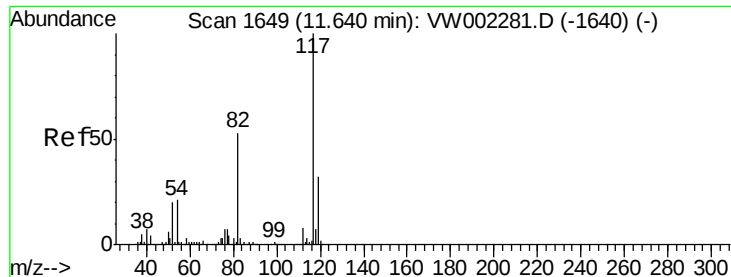


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

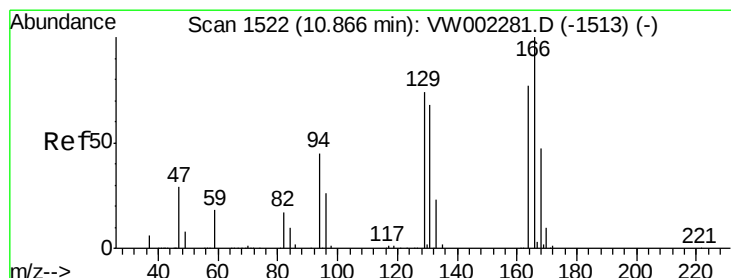
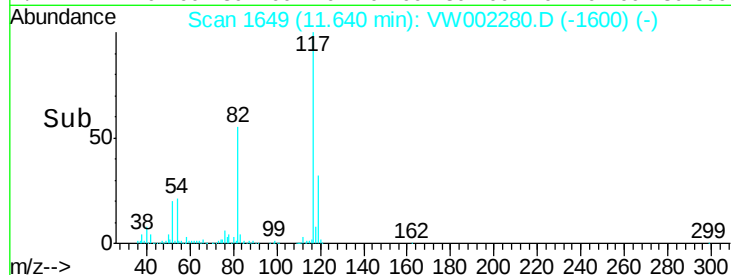
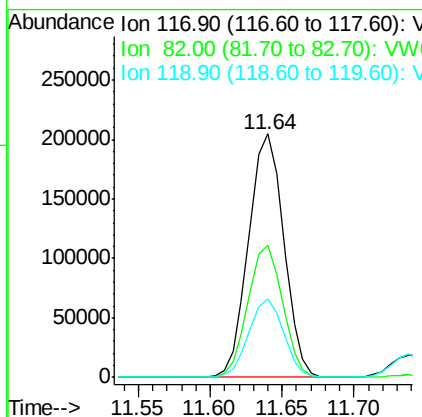
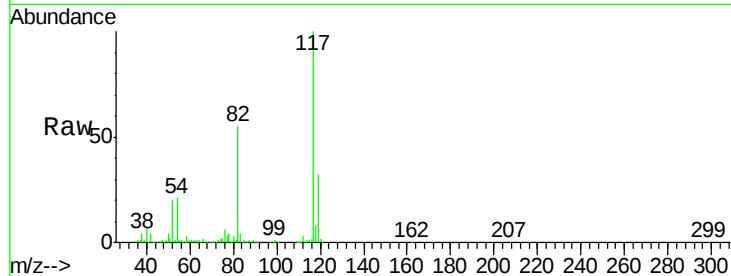




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

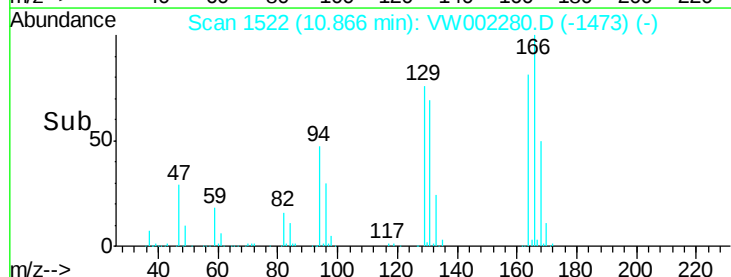
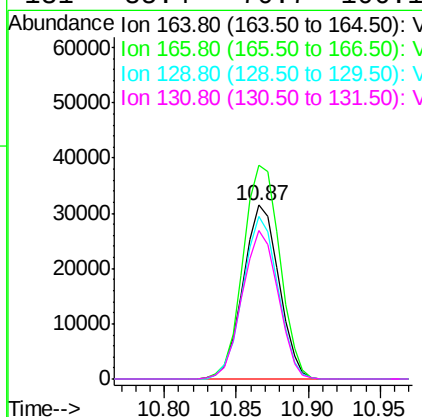
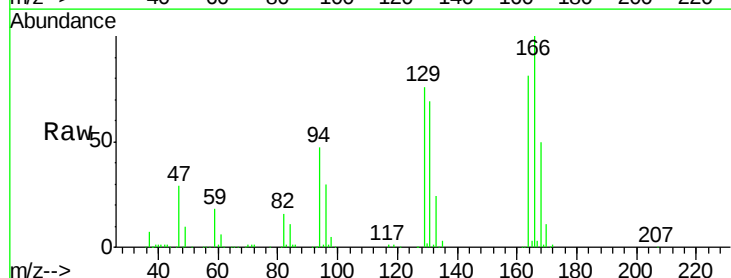
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

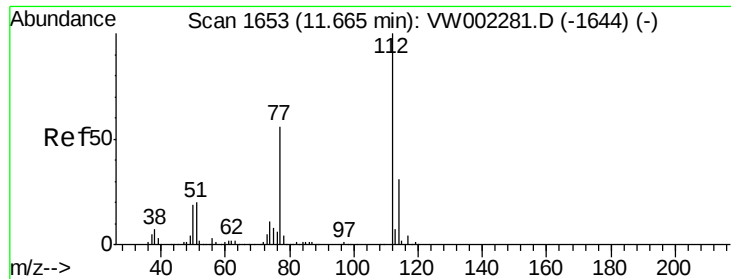
Tgt Ion:117 Resp: 346564
Ion Ratio Lower Upper
117 100
82 54.6 42.6 63.8
119 32.0 25.2 37.8



#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

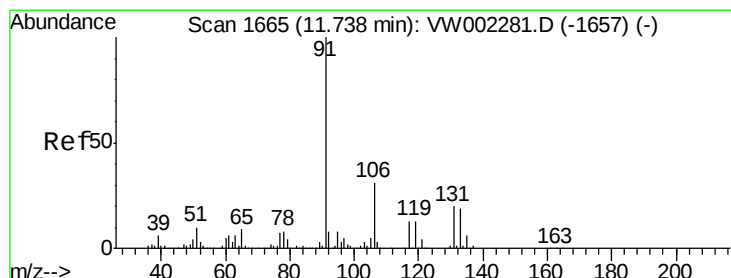
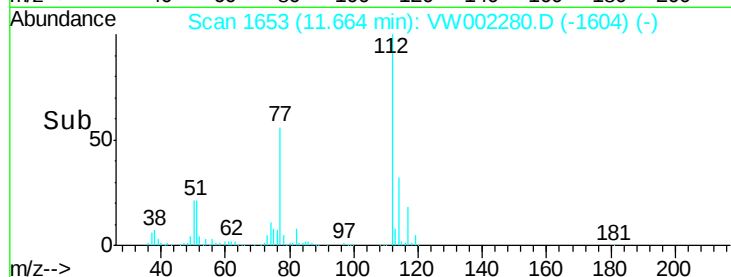
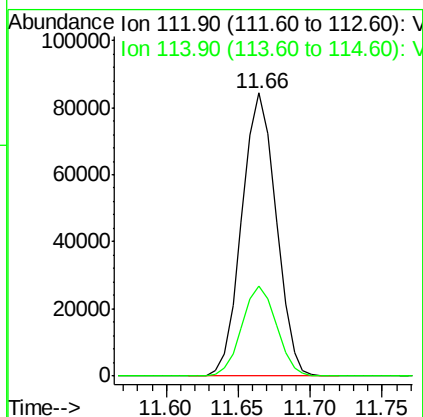
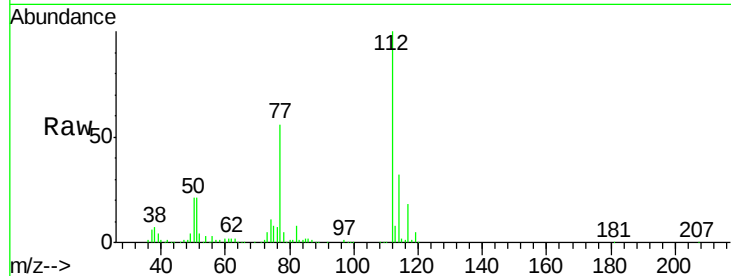




#65
Chlorobenzene
Concen: 18.91 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

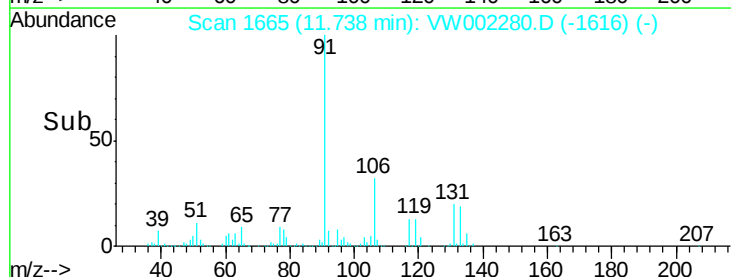
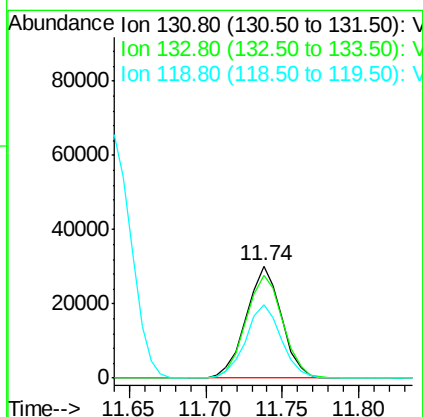
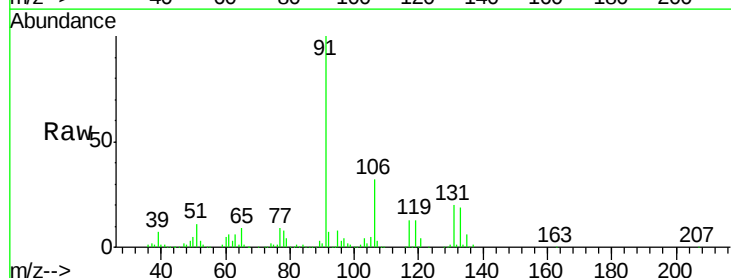
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

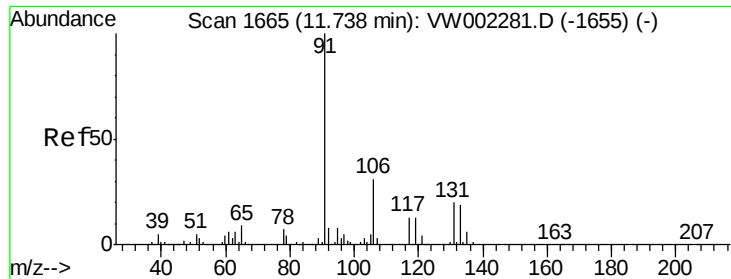
Tgt Ion:112 Resp: 139241
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#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

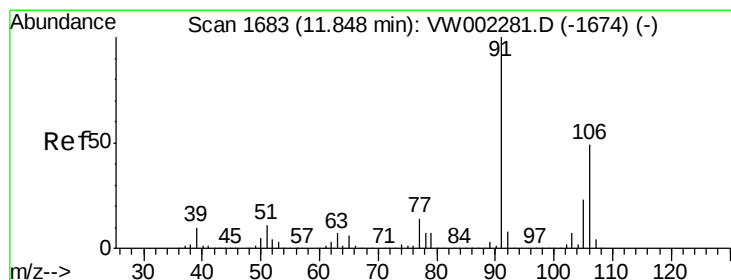
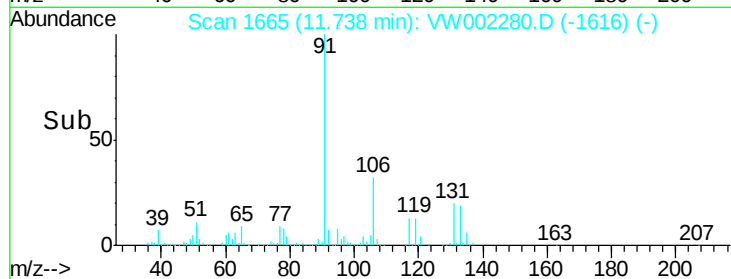
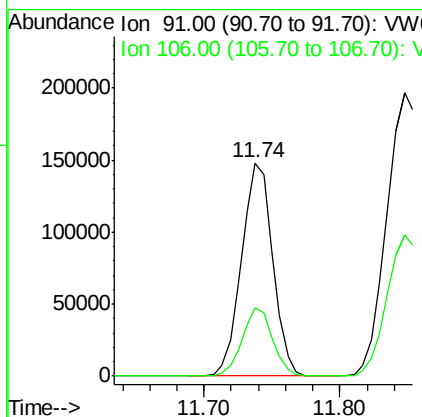
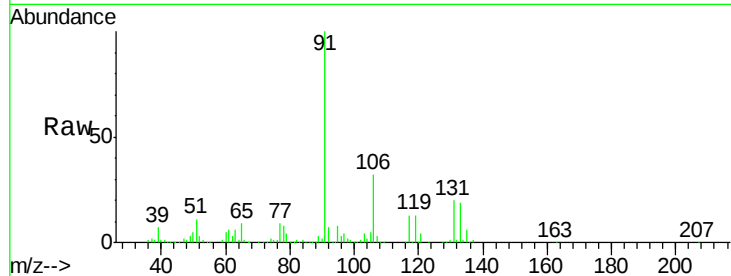




#67
Ethyl Benzene
Concen: 19.78 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

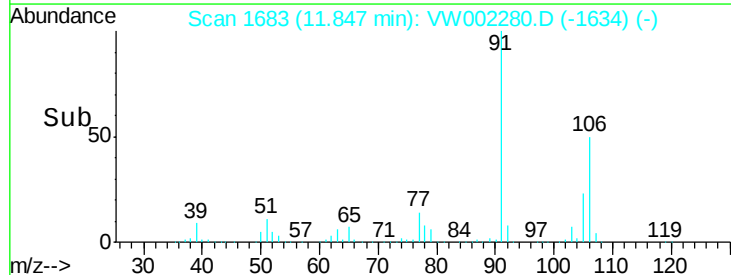
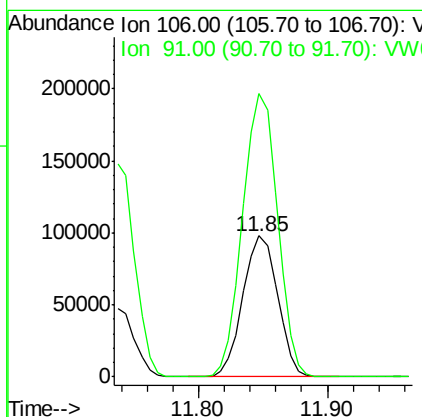
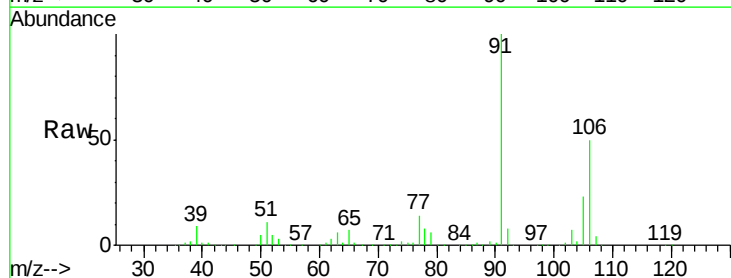
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

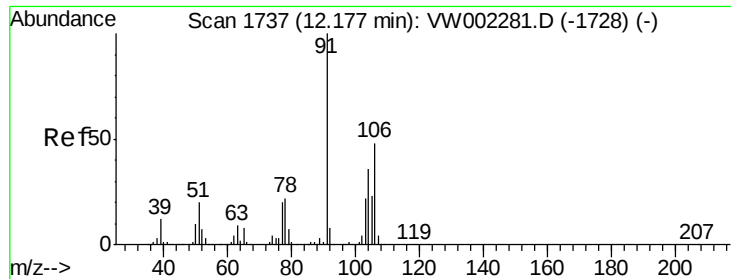
Tgt Ion: 91 Resp: 237722
Ion Ratio Lower Upper
91 100
106 32.1 24.9 37.3



#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

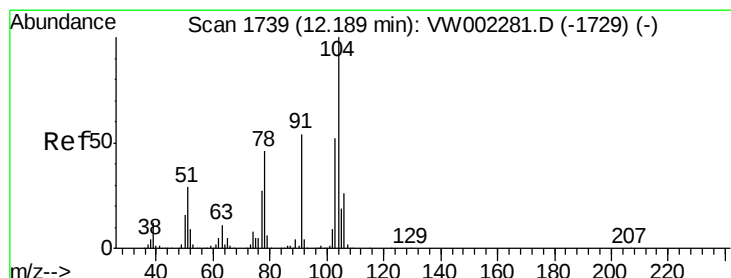
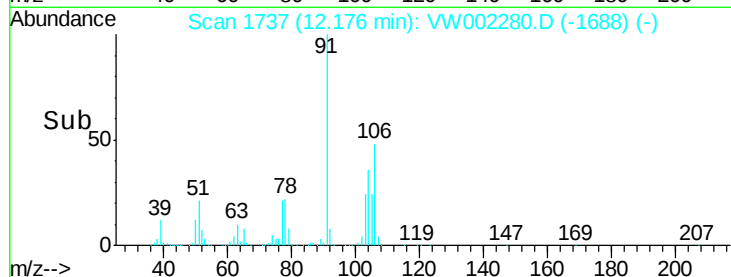
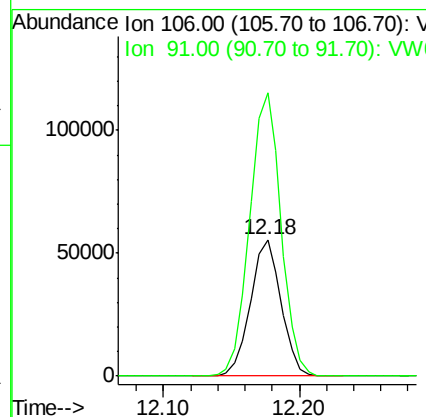
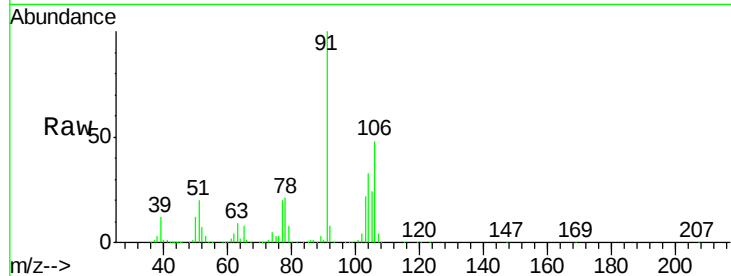




#69
o-Xylene
Concen: 20.09 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

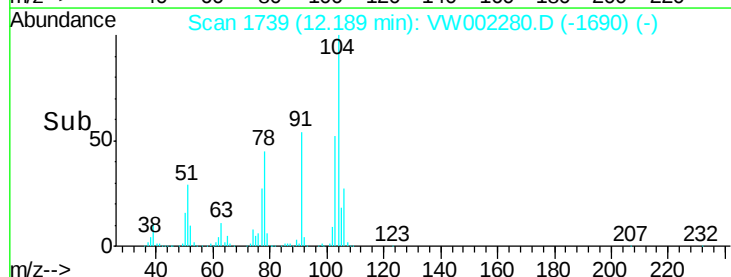
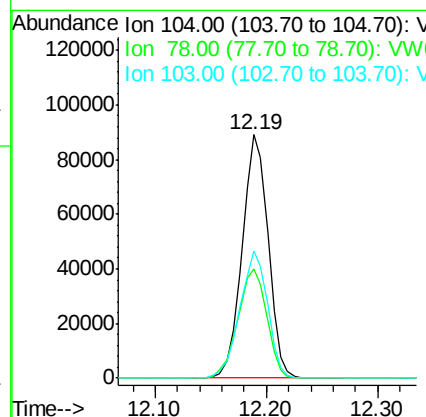
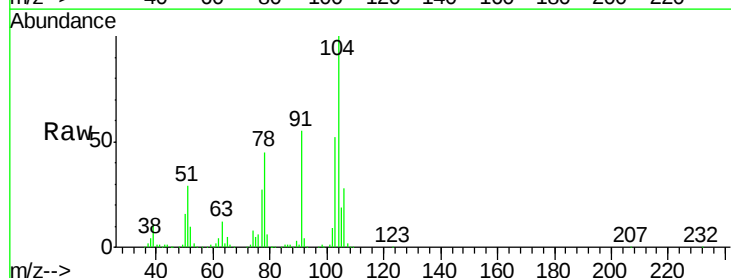
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

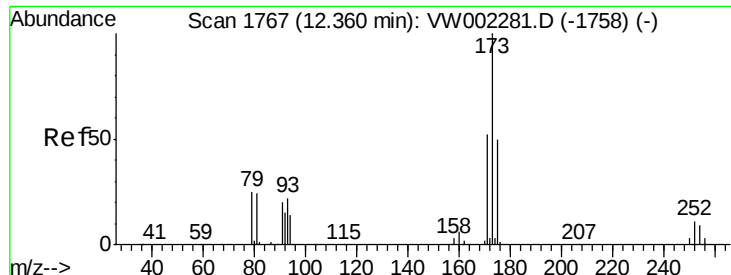
Tgt Ion:106 Resp: 87485
Ion Ratio Lower Upper
106 100
91 212.2 107.1 321.1



#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

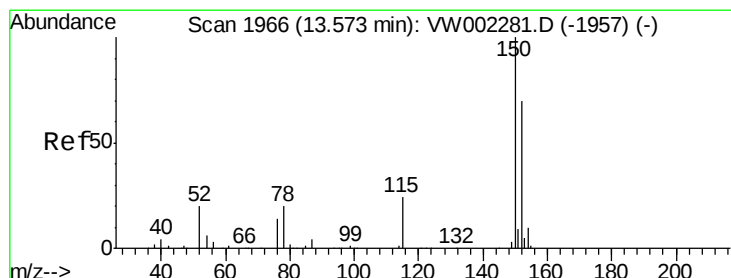
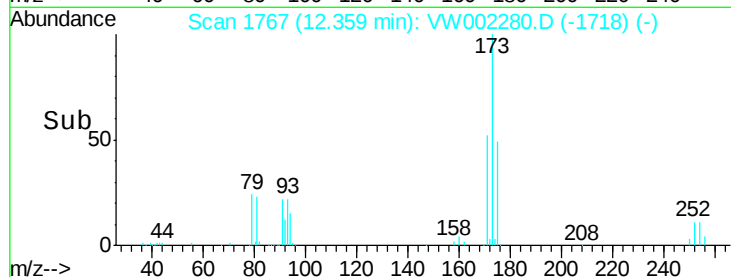
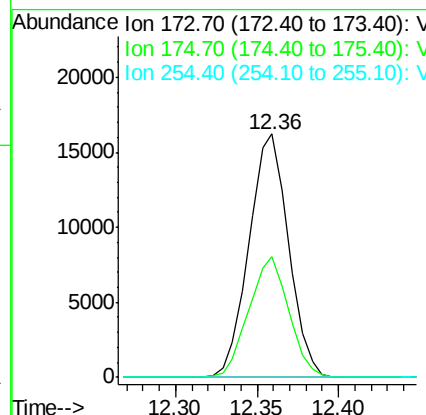
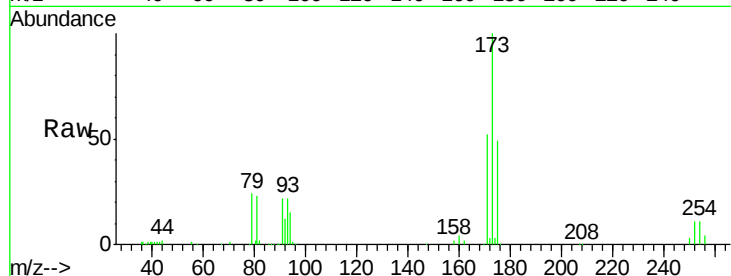




#71
Bromoform
Concen: 17.84 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

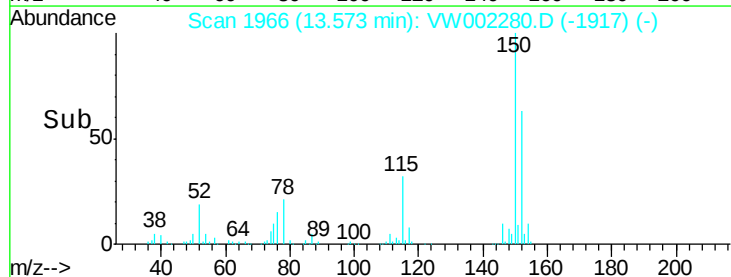
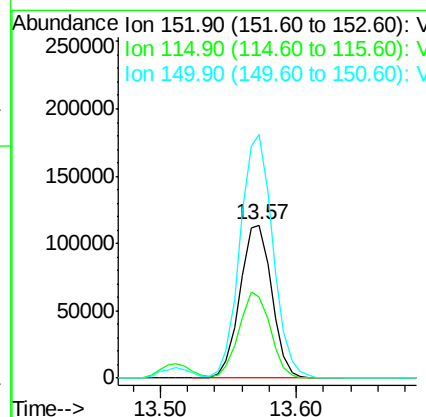
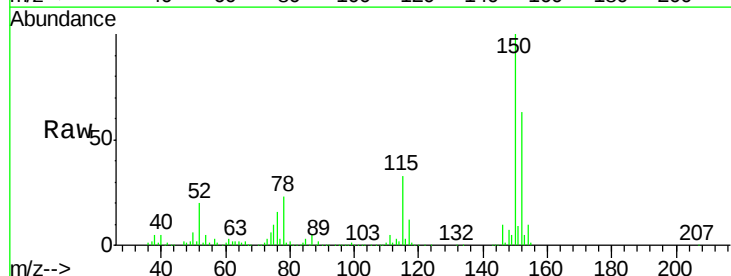
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

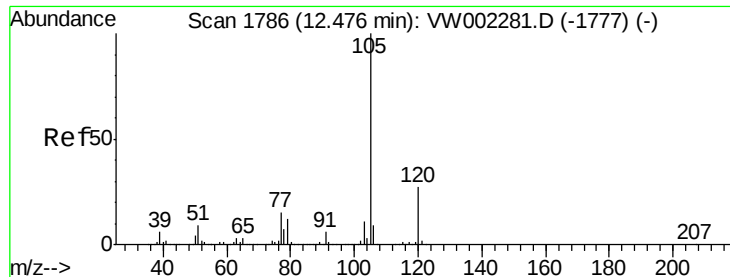
Tgt Ion:173 Resp: 27397
Ion Ratio Lower Upper
173 100
175 50.2 24.3 72.9
254 0.0 0.1 0.1#



#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





#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 :

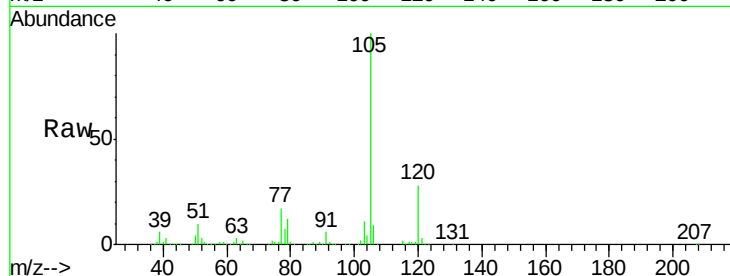
VSTDIC020

Tgt 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

12.48

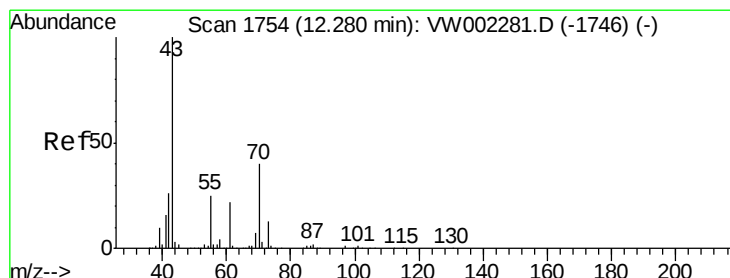
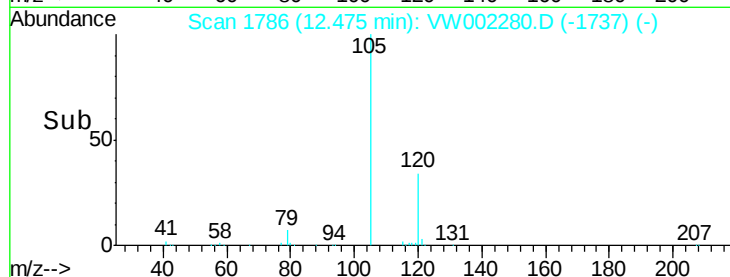
150000

100000

50000

0

Time-->



#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

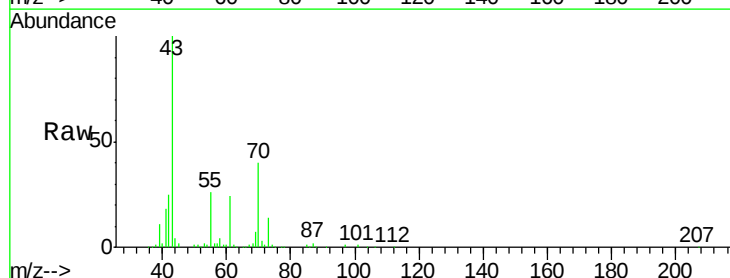
Ion Ratio Lower Upper

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

12.28

50000

40000

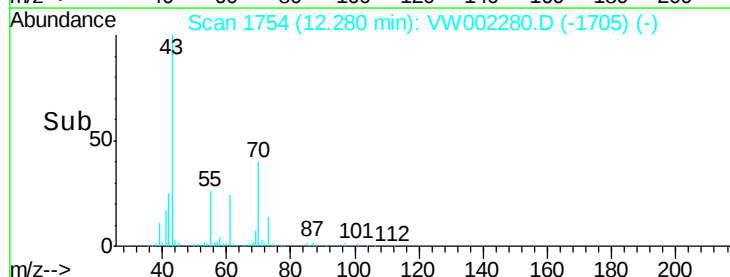
30000

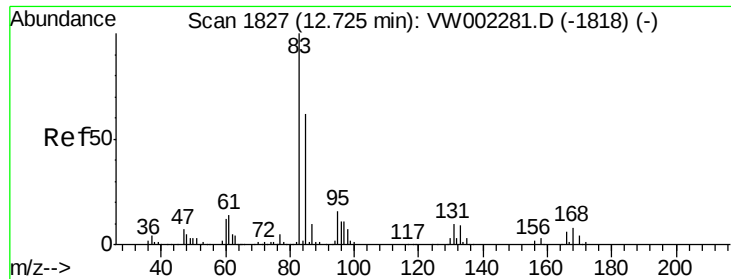
20000

10000

0

Time-->





#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

ClientSampleId :

VSTDIC020

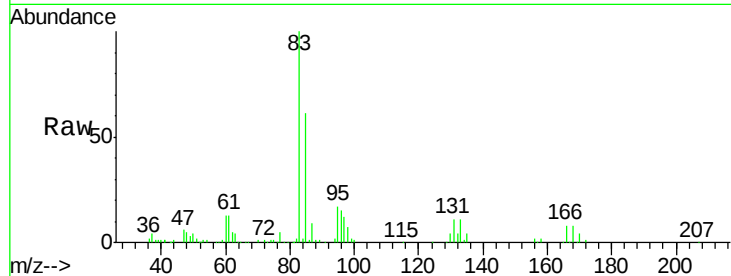
Tgt Ion: 83 Resp: 45451

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.5

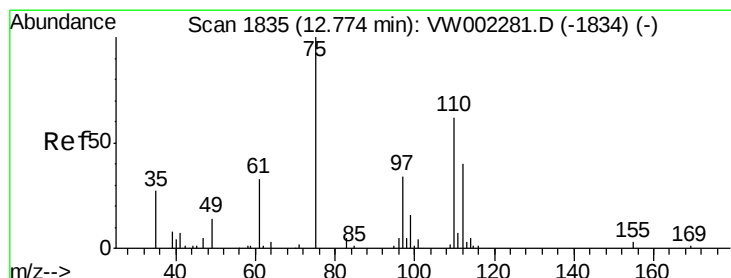
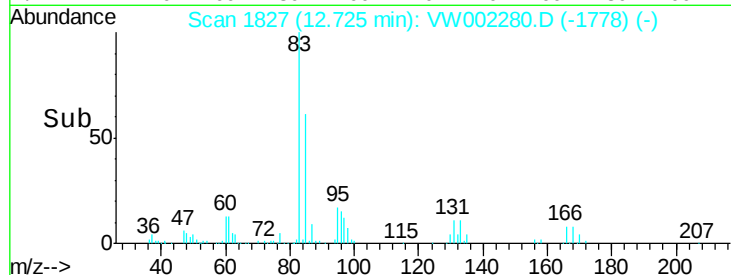
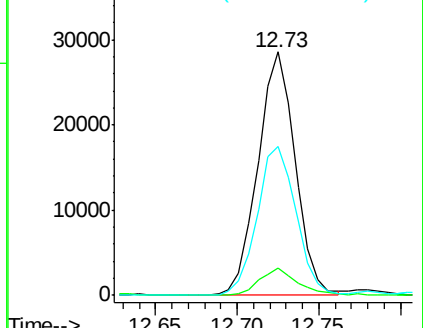
85 64.0 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 46.45 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002280.D

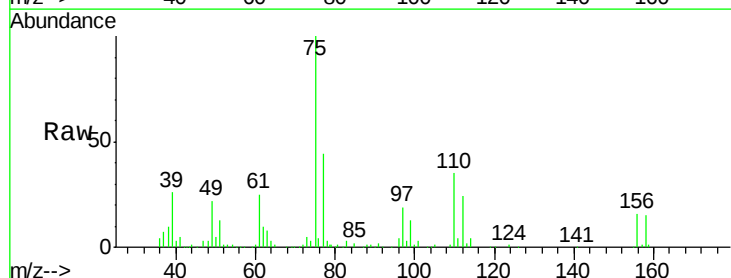
Acq: 08 May 2018 00:36

Tgt Ion: 75 Resp: 58326

Ion Ratio Lower Upper

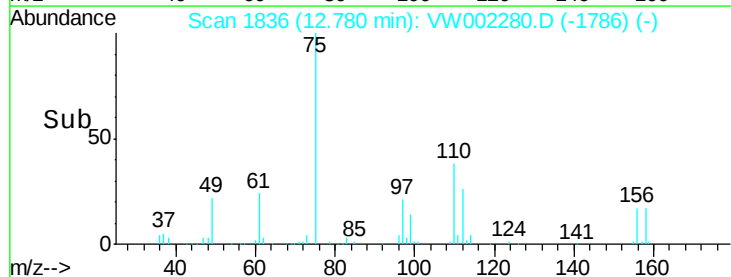
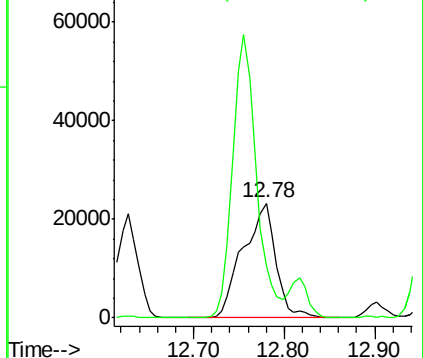
75 100

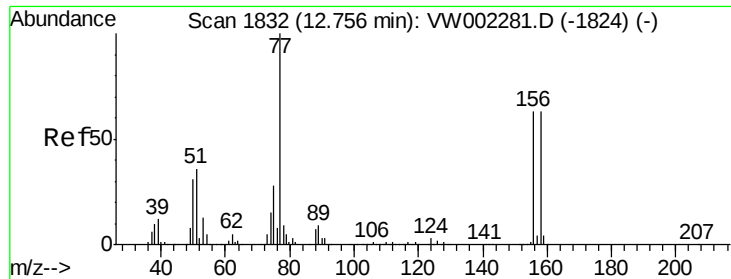
77 0.0 187.5 562.6#



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

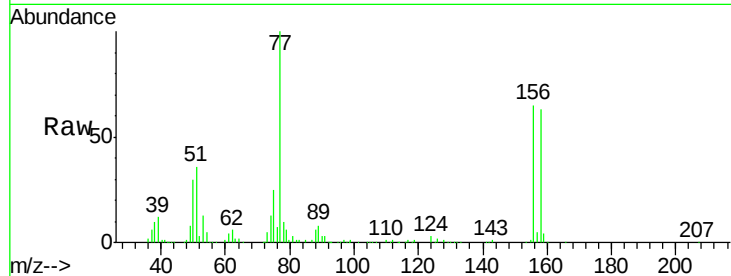
Tgt Ion:156 Resp: 60531

Ion Ratio Lower Upper

156 100

77 173.7 87.7 263.1

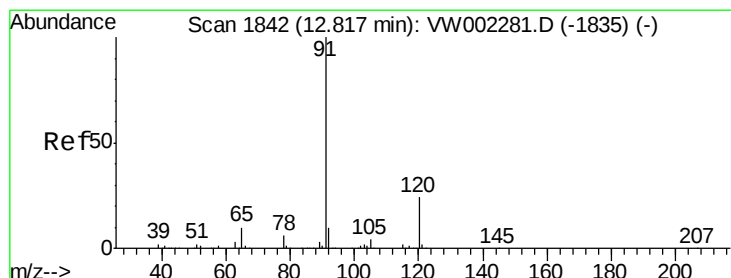
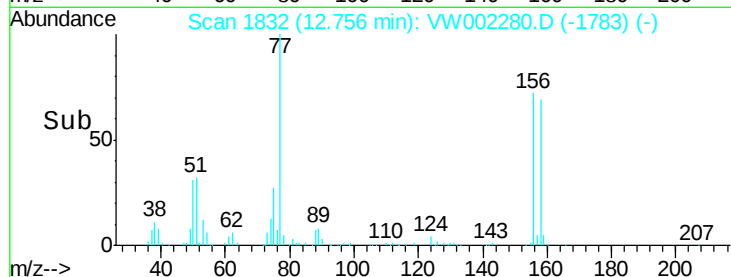
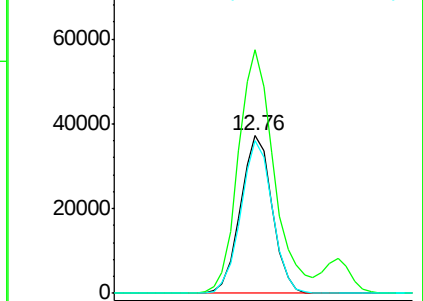
158 96.1 48.6 145.8



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

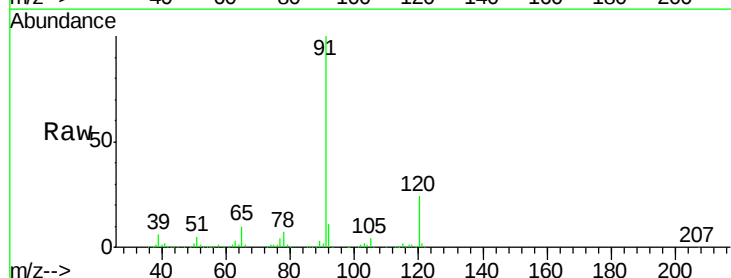
Acq: 08 May 2018 00:36

Tgt Ion: 91 Resp: 280790

Ion Ratio Lower Upper

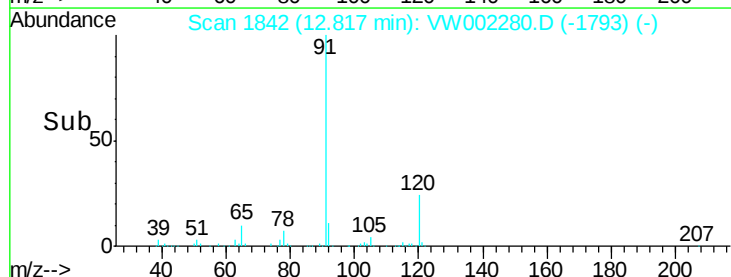
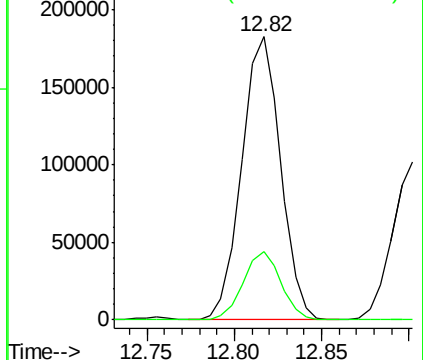
91 100

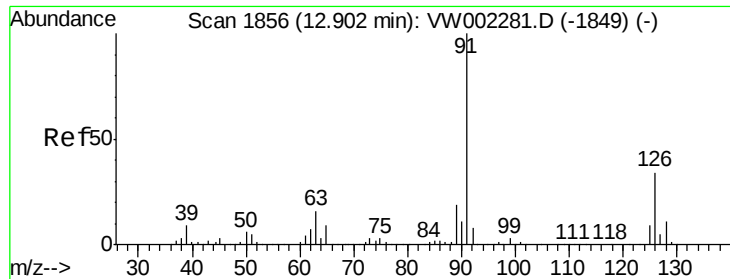
120 23.6 11.5 34.5



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 :

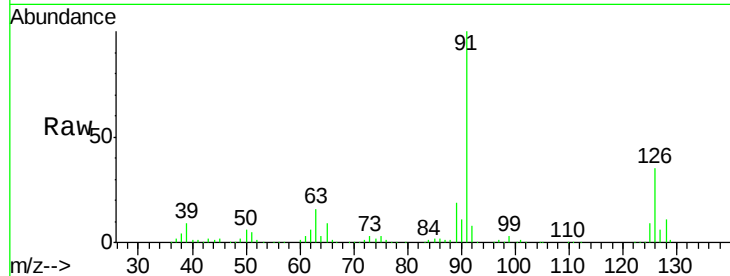
VSTDIC020

Tgt Ion: 91 Resp: 163914

Ion Ratio Lower Upper

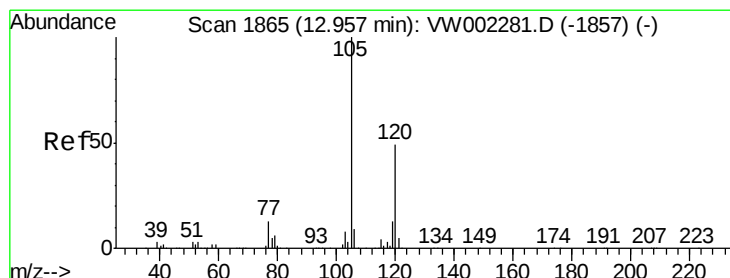
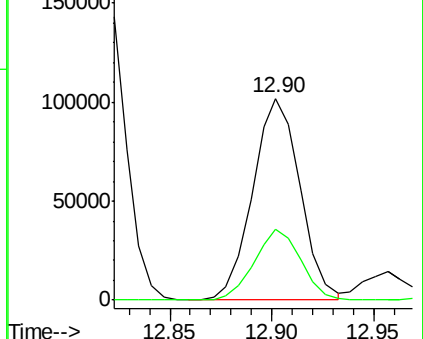
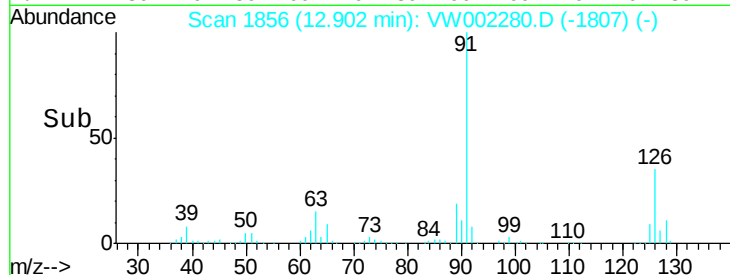
91 100

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

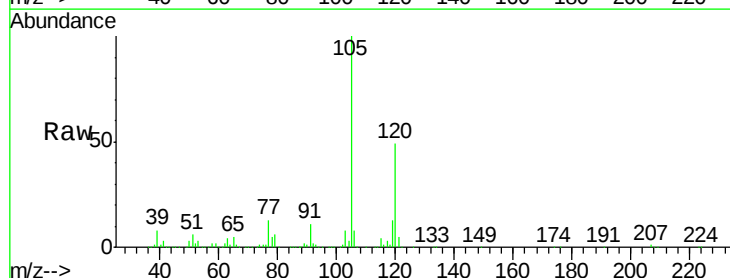
Acq: 08 May 2018 00:36

Tgt Ion: 105 Resp: 202115

Ion Ratio Lower Upper

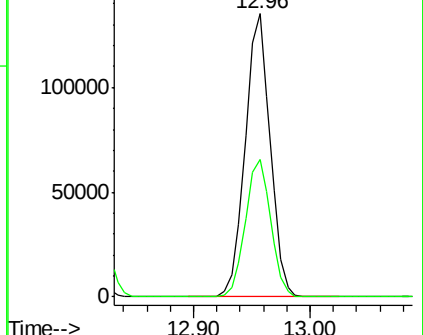
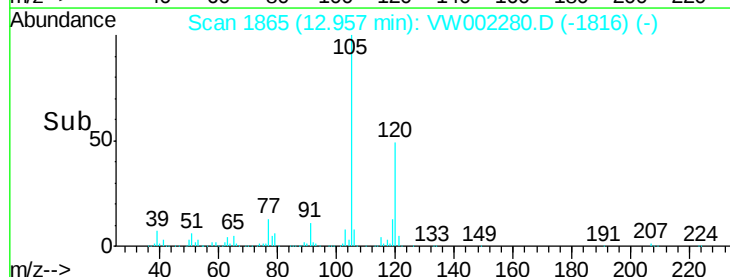
105 100

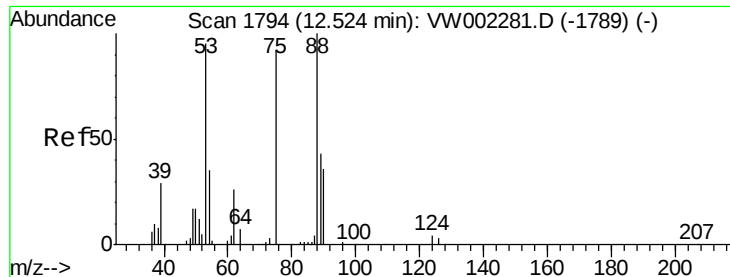
120 49.6 24.6 74.0



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

ClientSampleId :

VSTDIC020

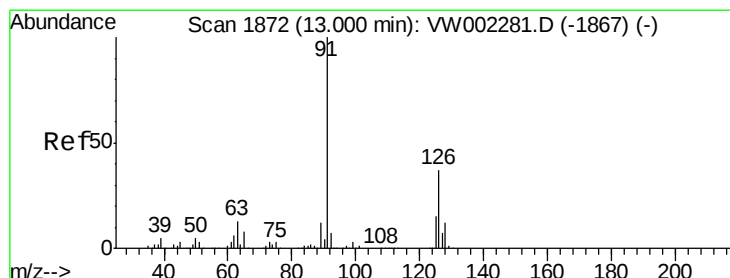
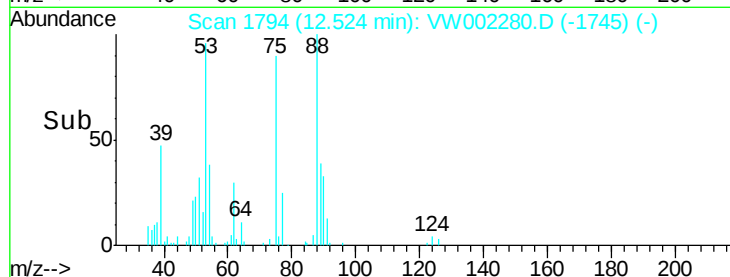
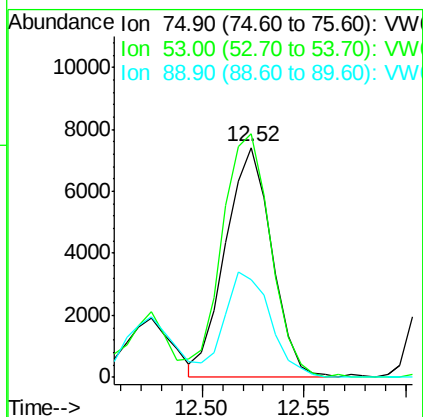
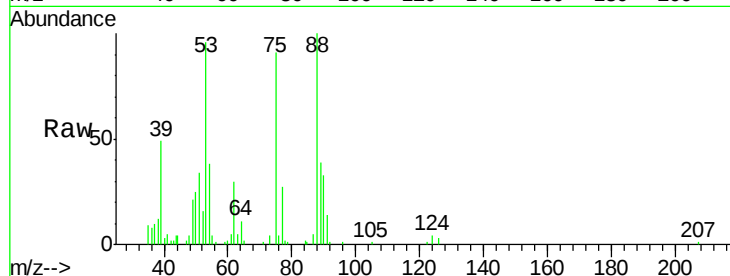
Tgt Ion: 75 Resp: 11753

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

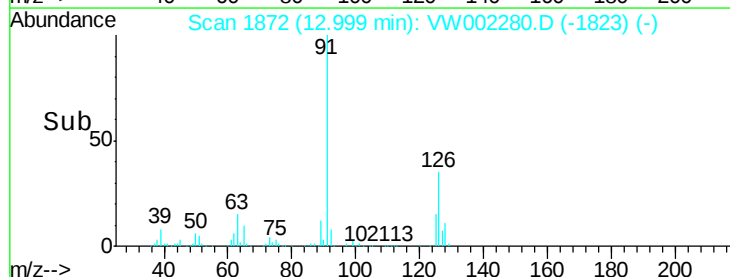
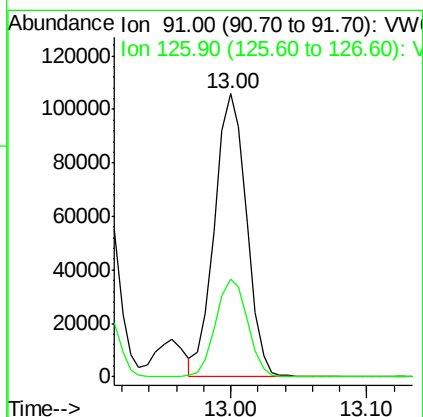
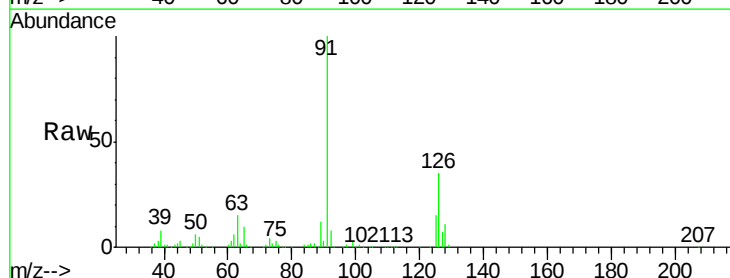
Acq: 08 May 2018 00:36

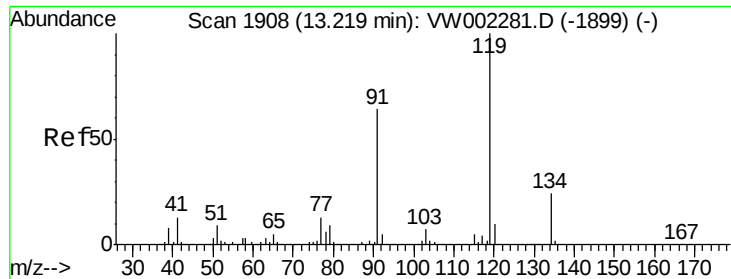
Tgt Ion: 91 Resp: 172102

Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.3

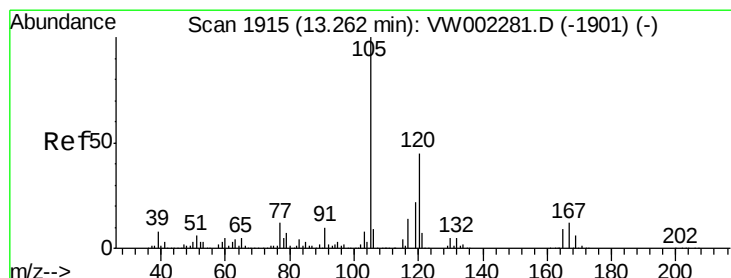
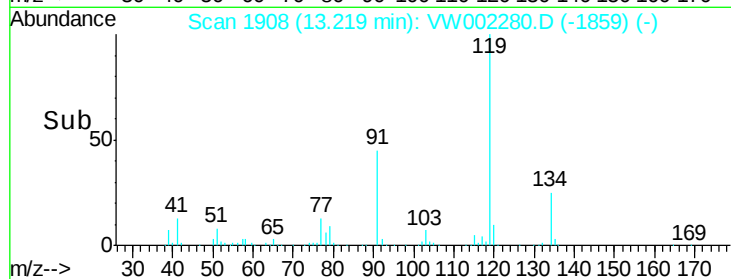
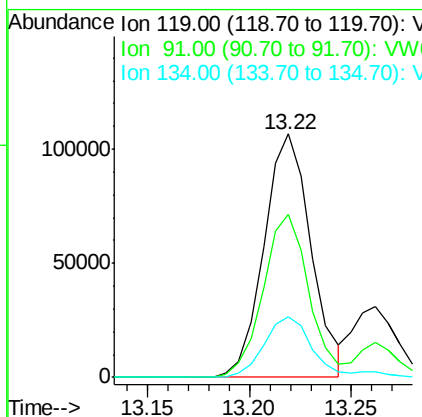
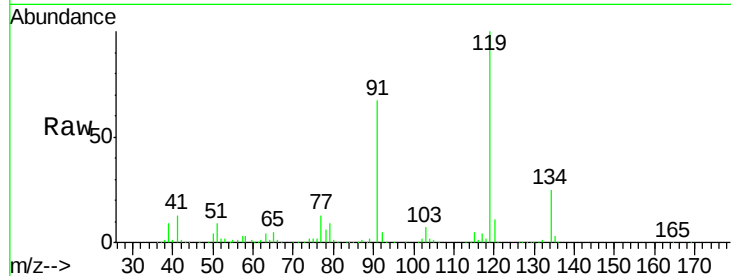




#83
 tert-Butylbenzene
 Concen: 19.47 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

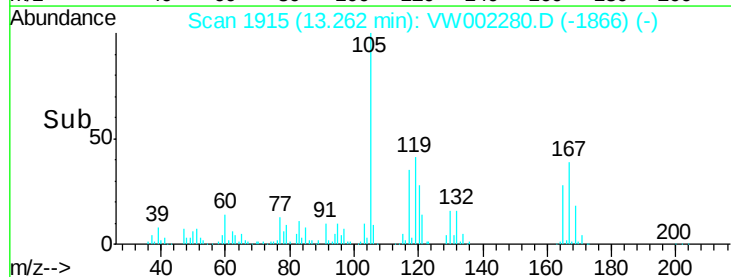
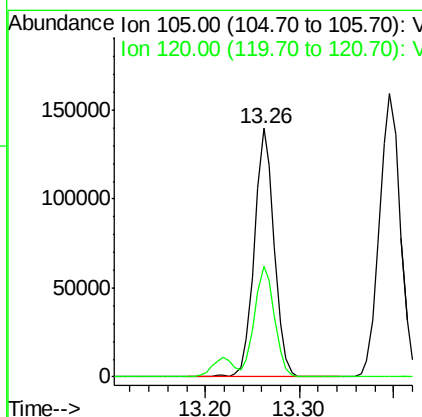
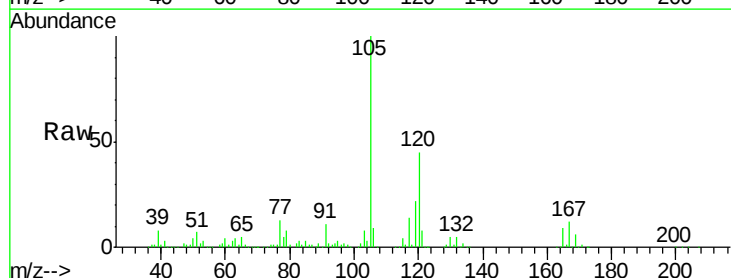
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

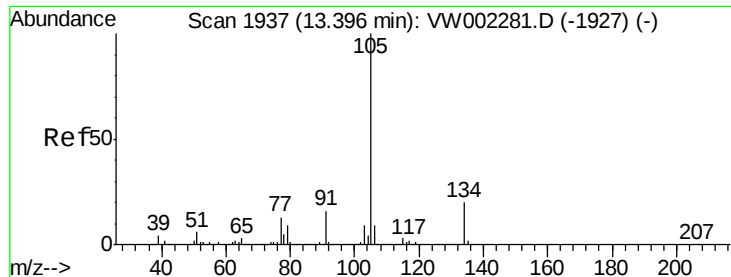
Tgt Ion:119 Resp: 171171
 Ion Ratio Lower Upper
 119 100
 91 64.8 31.6 94.8
 134 26.7 13.1 39.3



#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

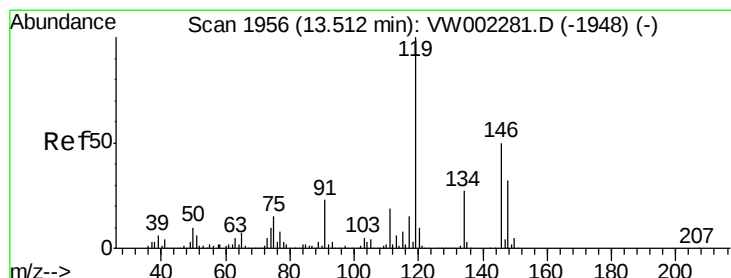
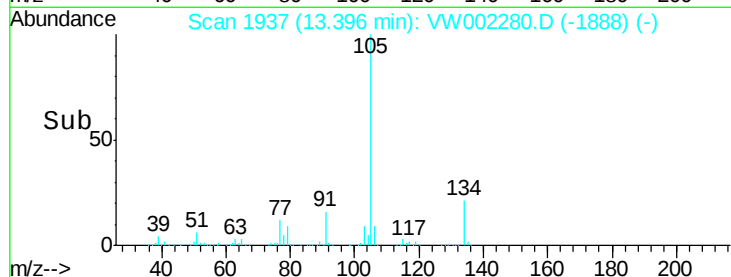
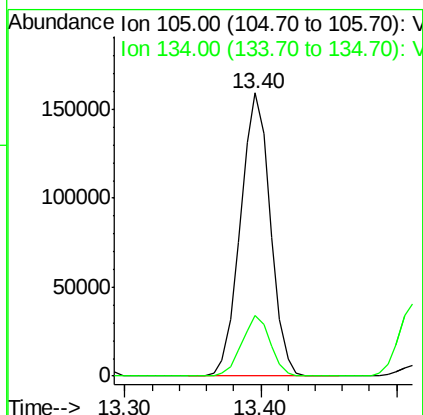
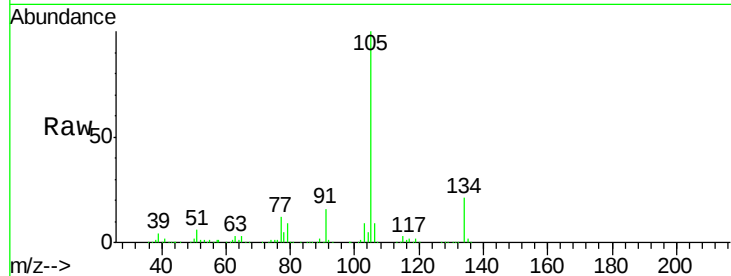




#85
 sec-Butylbenzene
 Concen: 20.03 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

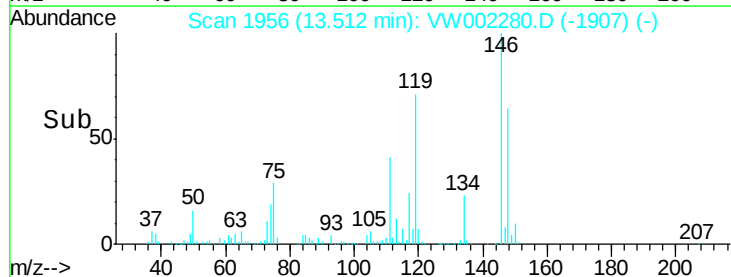
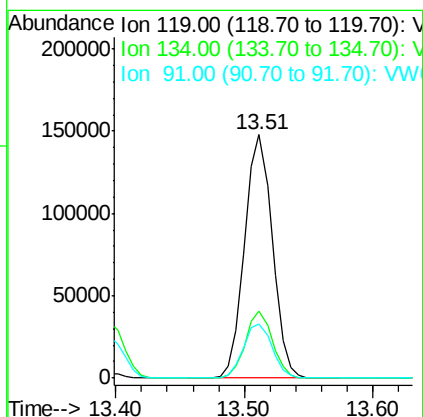
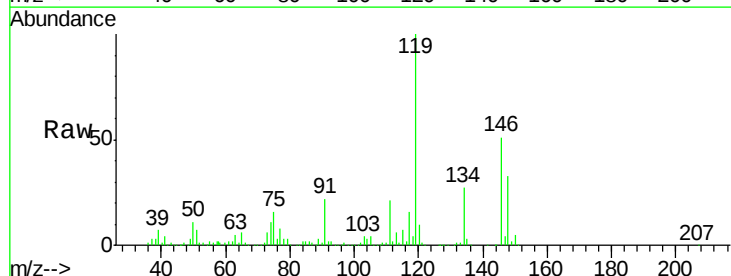
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

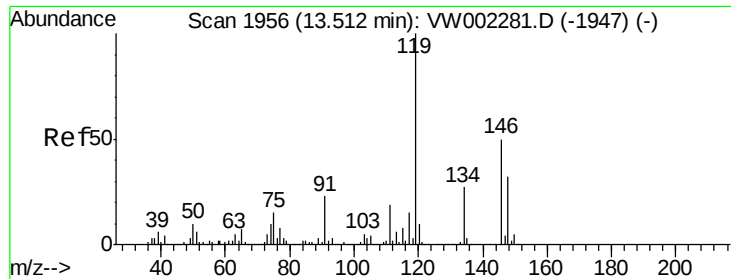
Tgt Ion:105 Resp: 244220
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#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





#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

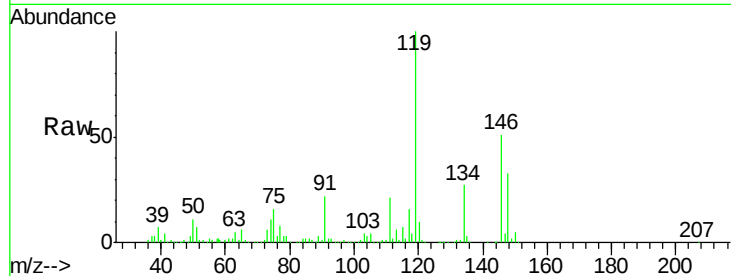
Tgt Ion:146 Resp: 118521

Ion Ratio Lower Upper

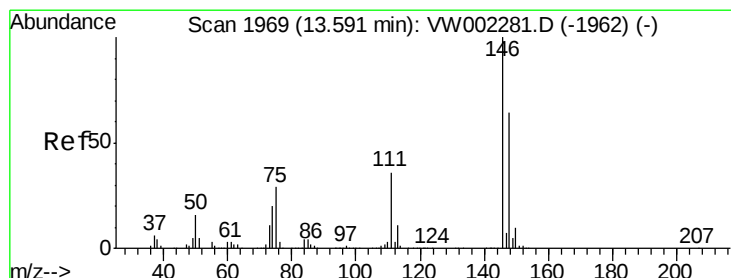
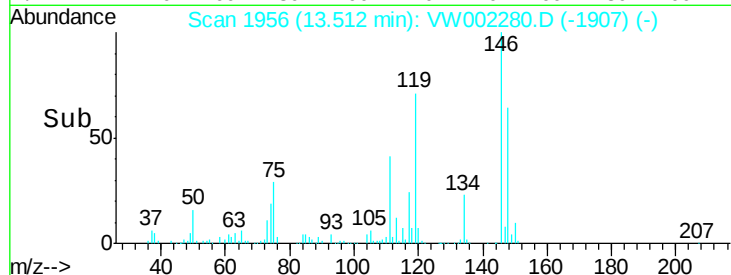
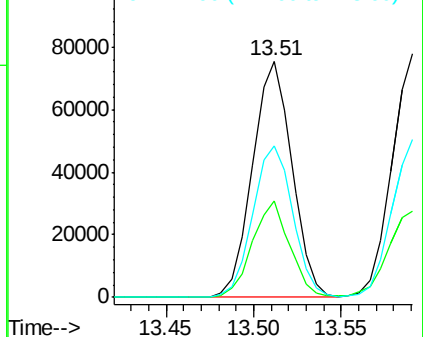
146 100

111 38.7 19.3 57.8

148 64.8 31.6 95.0



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



#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

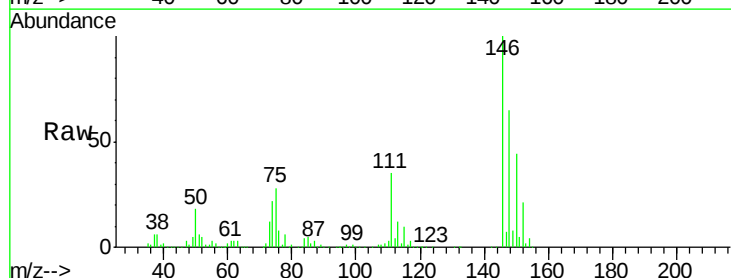
Tgt Ion:146 Resp: 120367

Ion Ratio Lower Upper

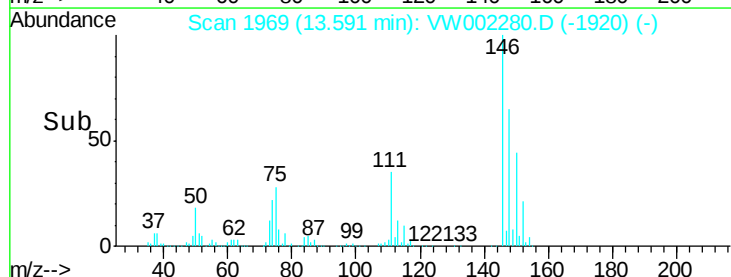
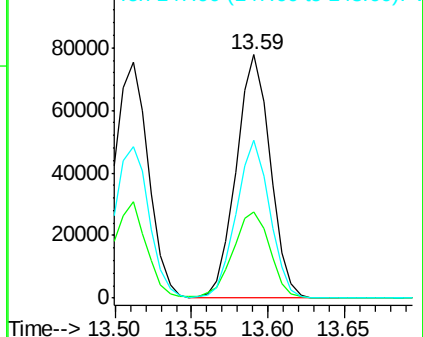
146 100

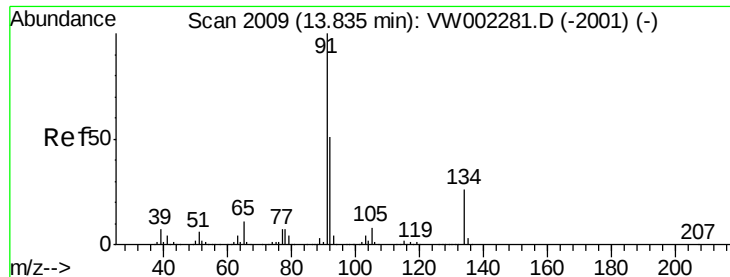
111 38.7 19.0 57.0

148 63.9 32.3 96.9



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





#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

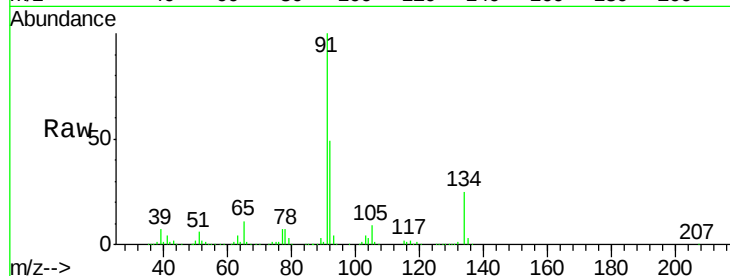
Tgt Ion: 91 Resp: 206399

Ion Ratio Lower Upper

91 100

92 50.2 25.9 77.8

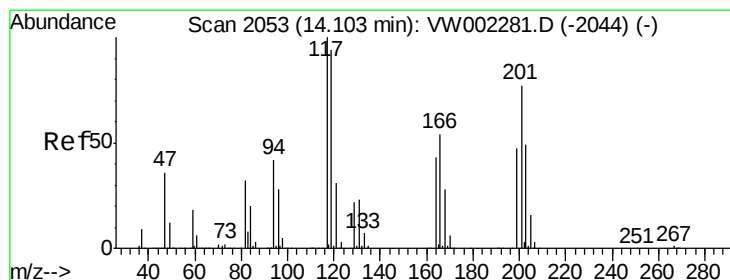
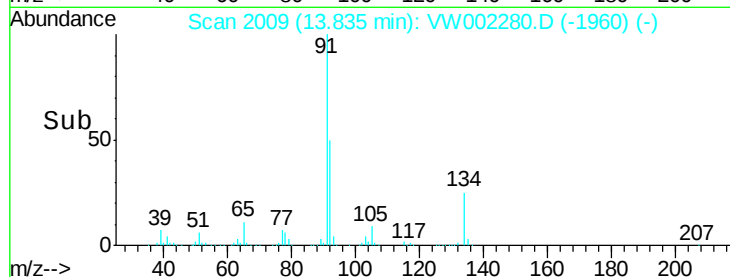
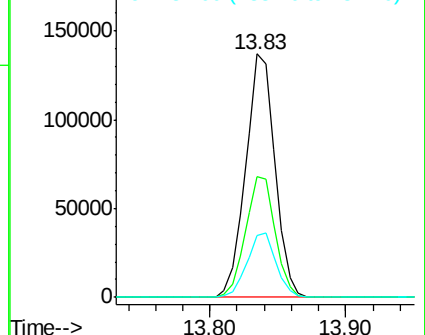
134 26.2 13.1 39.1



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

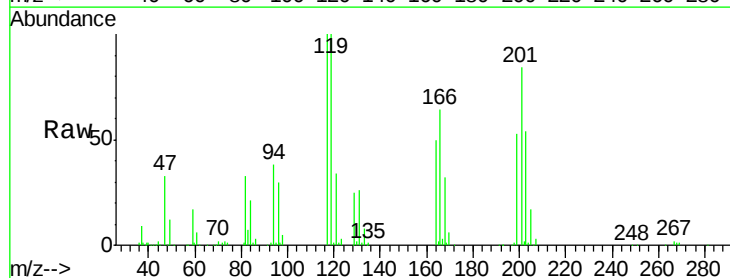
Acq: 08 May 2018 00:36

Tgt Ion: 117 Resp: 38873

Ion Ratio Lower Upper

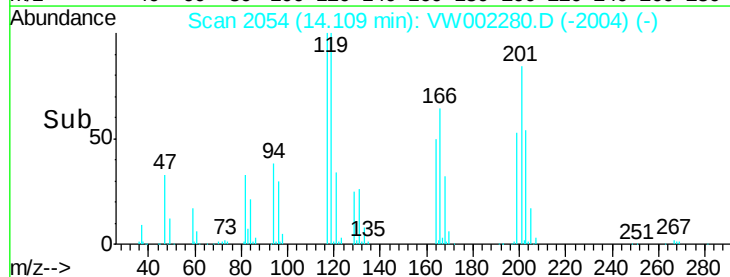
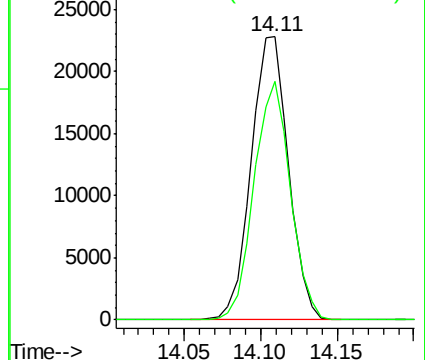
117 100

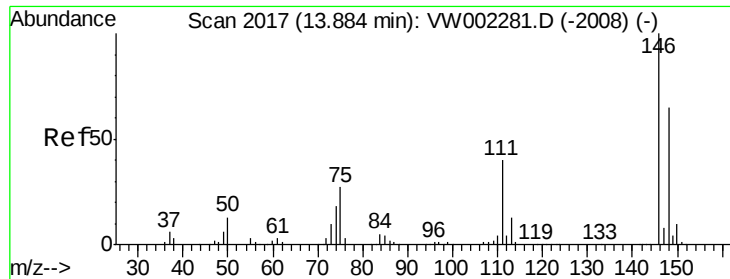
201 81.8 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

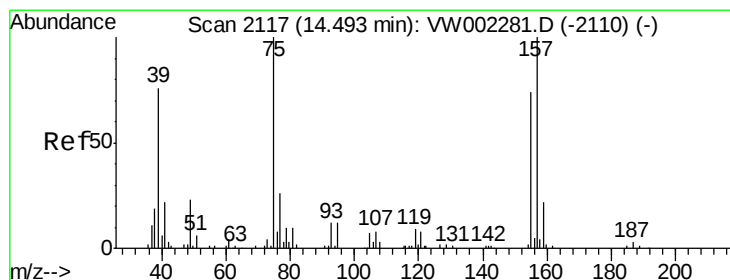
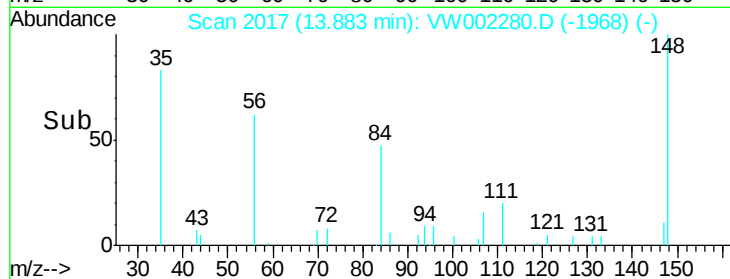
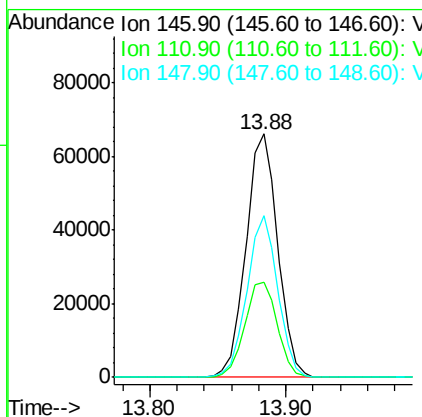
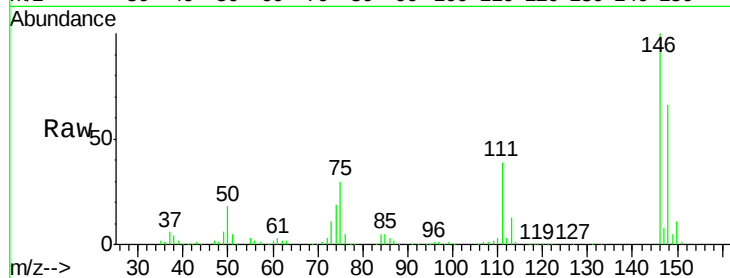




#91
 1,2-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002280.D
 Acq: 08 May 2018 00:36

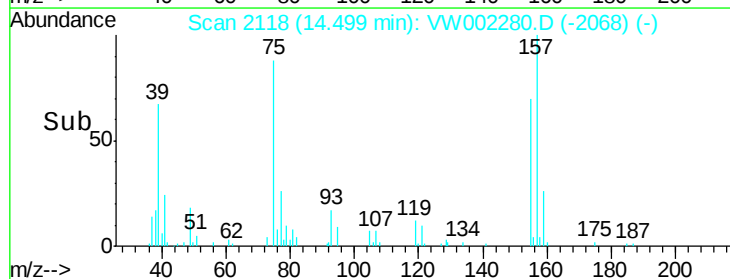
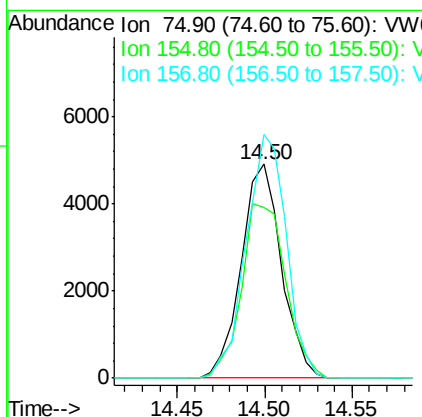
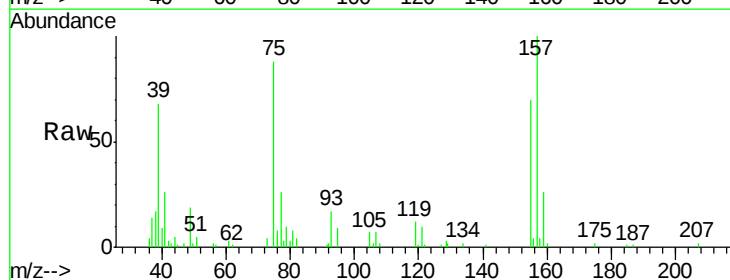
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

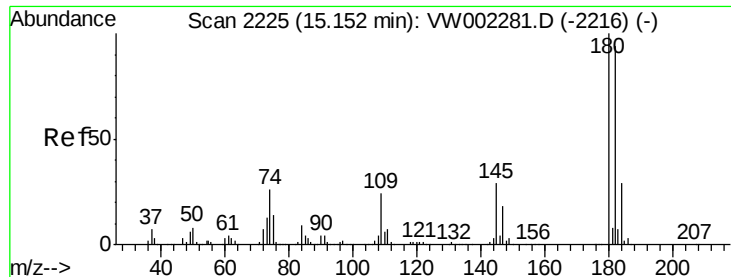
Tgt Ion:146 Resp: 108061
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 64.6 32.5 97.5



#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

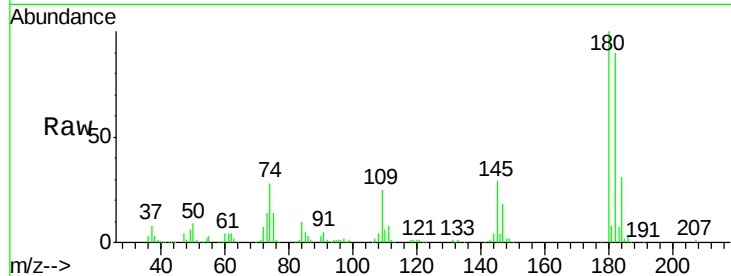




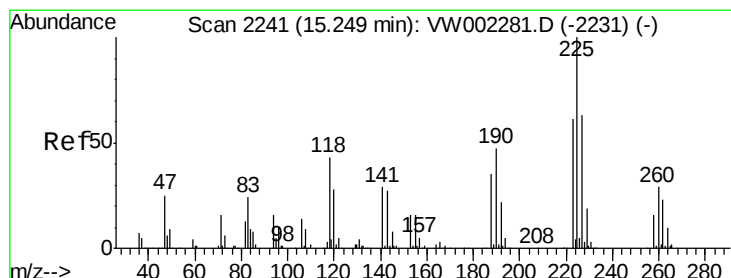
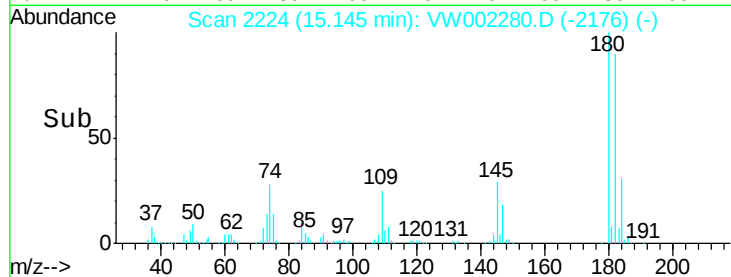
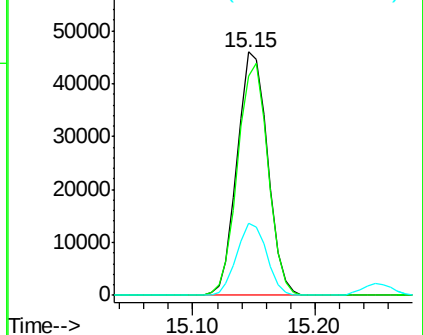
#93
1,2,4-Trichlorobenzene
Concen: 20.28 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

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

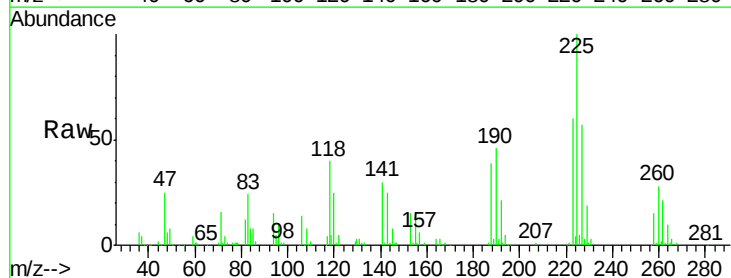


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

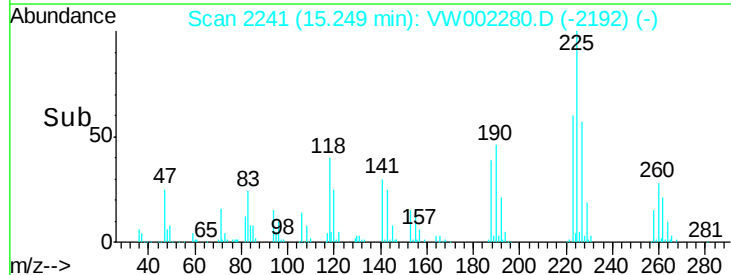
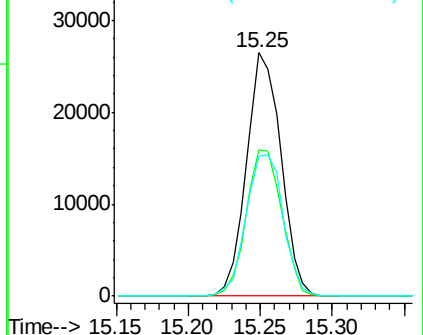


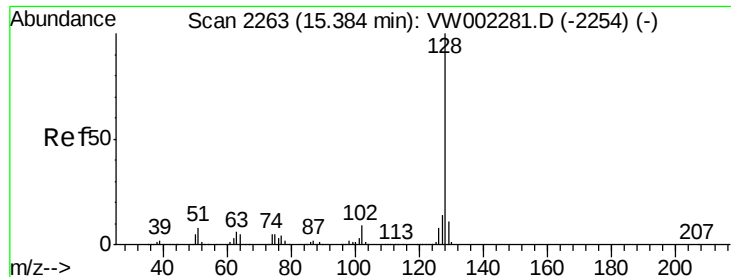
#94
Hexachlorobutadiene
Concen: 15.99 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

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

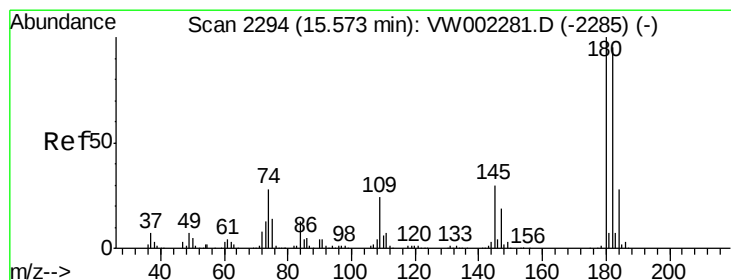
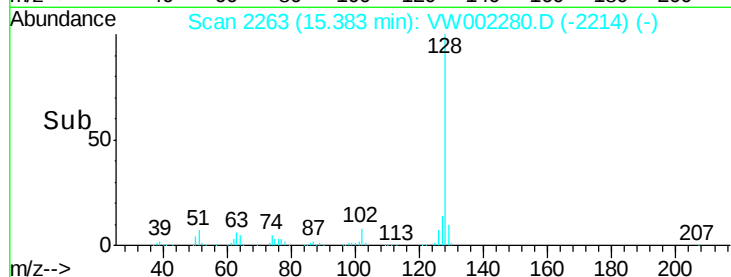
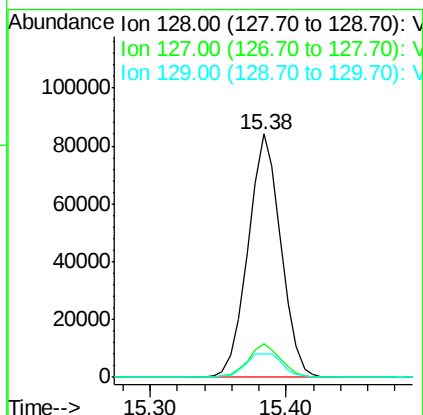
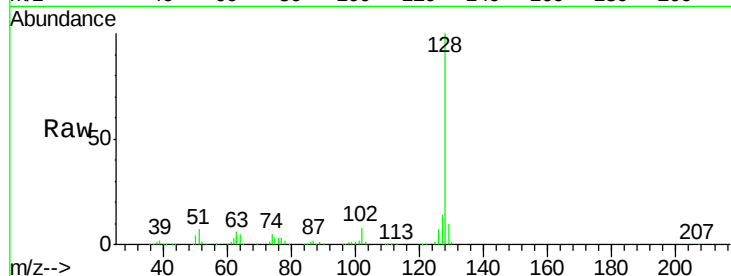




#95
Naphthalene
Concen: 24.27 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002280.D
Acq: 08 May 2018 00:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 142062
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.1 8.7 13.1



#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

