

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001135.D
 Acq On : 29 Jan 2018 22:28
 Operator : JC/SY
 Sample : VW0129SBSD01
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

Quant Time: Jan 30 02:12:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	390984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	364310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	201412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143789	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.88	113	125437	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.33	98	522304	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
62) 4-Bromofluorobenzene	12.63	95	190973	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	43802	18.57	ug/l	96
3) Chloromethane	2.22	50	41178	19.98	ug/l	98
4) Vinyl Chloride	2.36	62	38143	18.59	ug/l	100
5) Bromomethane	2.72	94	29177	20.46	ug/l	98
6) Chloroethane	2.89	64	21494	18.46	ug/l	96
7) Trichlorofluoromethane	3.24	101	72528	19.02	ug/l	95
8) Diethyl Ether	3.68	74	19898	20.06	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51768	20.41	ug/l	99
10) Methyl Iodide	4.26	142	38294	14.30	ug/l	99
11) Tert butyl alcohol	5.20	59	23137	106.40	ug/l	98
12) 1,1-Dichloroethene	4.02	96	42529	19.19	ug/l	96
13) Acrolein	3.89	56	33409	95.66	ug/l	98
14) Allyl chloride	4.66	41	63161	19.08	ug/l	98
15) Acrylonitrile	5.37	53	70637	104.87	ug/l	99
16) Acetone	4.13	43	71726	100.79	ug/l	100
17) Carbon Disulfide	4.35	76	129782	18.86	ug/l	98
18) Methyl Acetate	4.67	43	33698	20.02	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	116392	20.30	ug/l	97
20) Methylene Chloride	4.90	84	52577	20.91	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	48947	19.78	ug/l	98
22) Diisopropyl ether	6.32	45	131073	20.67	ug/l	98
23) Vinyl Acetate	6.26	43	323374	85.10	ug/l	98
24) 1,1-Dichloroethane	6.21	63	82994	20.05	ug/l	98
25) 2-Butanone	7.18	43	94026	100.66	ug/l	97
26) 2,2-Dichloropropane	7.17	77	74631	18.23	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53870	20.41	ug/l	98
28) Bromochloromethane	7.51	49	34991	20.80	ug/l	100
29) Tetrahydrofuran	7.53	42	56677	106.25	ug/l	99
30) Chloroform	7.67	83	91715	20.45	ug/l	98
31) Cyclohexane	7.95	56	76350	19.01	ug/l	# 95
32) 1,1,1-Trichloroethane	7.87	97	83923	19.78	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67972	19.26	ug/l	99
37) Ethyl Acetate	7.26	43	41051	22.00	ug/l	98
38) Carbon Tetrachloride	8.07	117	74759	18.96	ug/l	98

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Instrument :
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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)
39) Methylcyclohexane	9.34	83	80810	19.39	ug/l	98
40) Benzene	8.32	78	194673	19.92	ug/l	99
41) Methacrylonitrile	7.49	41	19512	18.85	ug/l	94
42) 1,2-Dichloroethane	8.40	62	63054	20.52	ug/l	98
43) Isopropyl Acetate	8.43	43	66325	20.66	ug/l	98
44) Trichloroethene	9.09	130	57700	19.66	ug/l	100
45) 1,2-Dichloropropane	9.37	63	47965	20.38	ug/l	100
46) Dibromomethane	9.46	93	29065	19.75	ug/l	98
47) Bromodichloromethane	9.65	83	65876	19.78	ug/l	100
48) Methyl methacrylate	9.45	41	32837	21.40	ug/l	97
49) 1,4-Dioxane	9.45	88	11827	450.99	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	188953	107.71	ug/l	99
52) Toluene	10.40	92	128110	20.41	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	64730	19.27	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	72207	19.25	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42427	20.22	ug/l	98
56) Ethyl methacrylate	10.65	69	48292	19.63	ug/l	98
57) 1,3-Dichloropropane	10.94	76	69180	20.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	118212	88.94	ug/l	99
59) 2-Hexanone	10.98	43	138161	104.11	ug/l	99
60) Dibromochloromethane	11.13	129	50991	19.95	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43122	20.38	ug/l	100
64) Tetrachloroethene	10.87	164	62706	21.41	ug/l	99
65) Chlorobenzene	11.66	112	146416	19.93	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	53311	19.87	ug/l	99
67) Ethyl Benzene	11.74	91	240118	19.58	ug/l	98
68) m/p-Xylenes	11.85	106	192956	40.38	ug/l	97
69) o-Xylene	12.18	106	86619	19.66	ug/l	98
70) Styrene	12.19	104	147585	20.38	ug/l	99
71) Bromoform	12.36	173	35325	20.38	ug/l #	98
73) Isopropylbenzene	12.48	105	246691	19.55	ug/l	100
74) N-amyl acetate	12.29	43	59131	20.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	52577	20.38	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	70385	34.48	ug/l #	100
77) Bromobenzene	12.76	156	65249	19.92	ug/l	98
78) n-propylbenzene	12.82	91	296218	19.61	ug/l	100
79) 2-Chlorotoluene	12.91	91	171634	19.86	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	214344	19.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12129	15.62	ug/l	100
82) 4-Chlorotoluene	13.00	91	183008	19.86	ug/l	99
83) tert-Butylbenzene	13.22	119	186837	19.60	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	220577	20.09	ug/l	99
85) sec-Butylbenzene	13.40	105	264184	19.59	ug/l	100
86) p-Isopropyltoluene	13.52	119	236068	19.69	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	127631	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	127629	19.64	ug/l	99
89) n-Butylbenzene	13.84	91	219256	19.63	ug/l	99
90) Hexachloroethane	14.11	117	43227	19.33	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	119417	20.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10727	20.61	ug/l	94

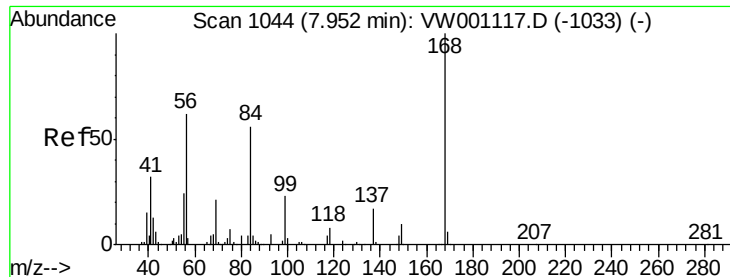
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
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Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	88508	20.32	ug/l	99
94) Hexachlorobutadiene	15.26	225	54242	20.14	ug/l	99
95) Naphthalene	15.39	128	174643	20.32	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	82424	20.52	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

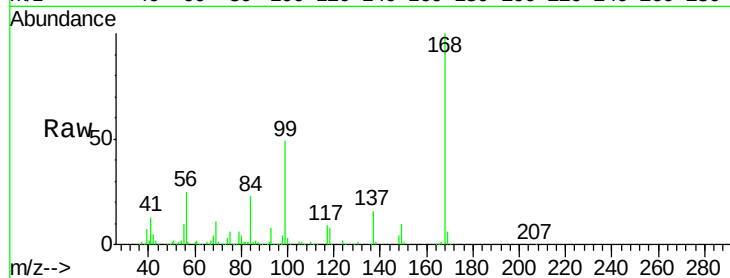
VW0129SBSD01

Tgt Ion:168 Resp: 278402

Ion Ratio Lower Upper

168 100

99 49.4 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

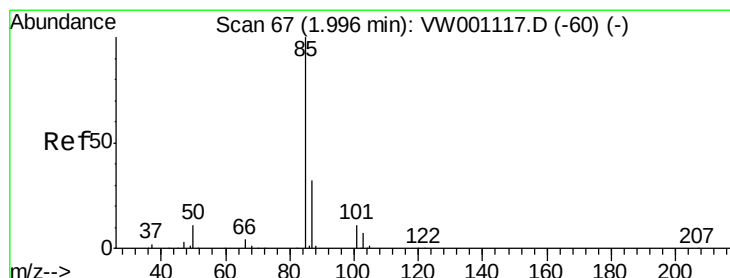
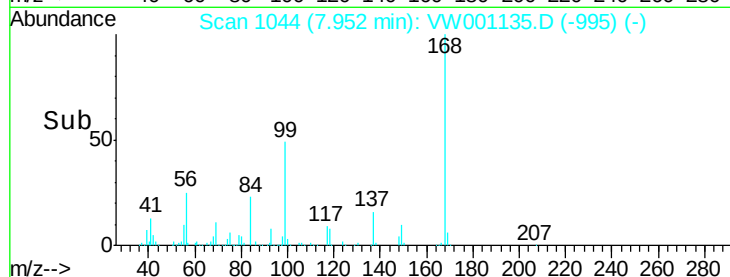
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.57 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VW001135.D

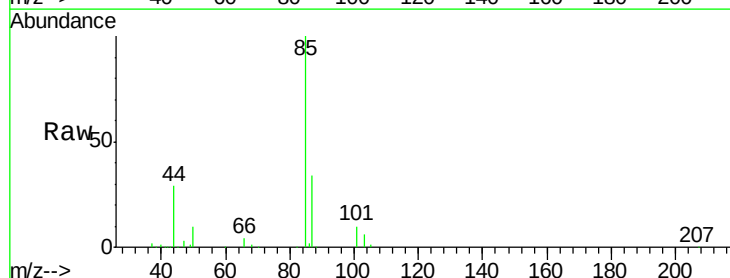
Acq: 29 Jan 2018 22:28

Tgt Ion: 85 Resp: 43802

Ion Ratio Lower Upper

85 100

87 34.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

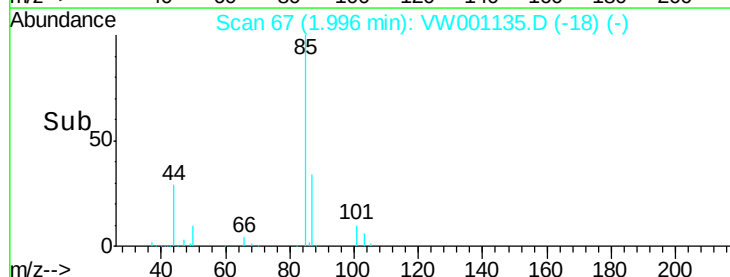
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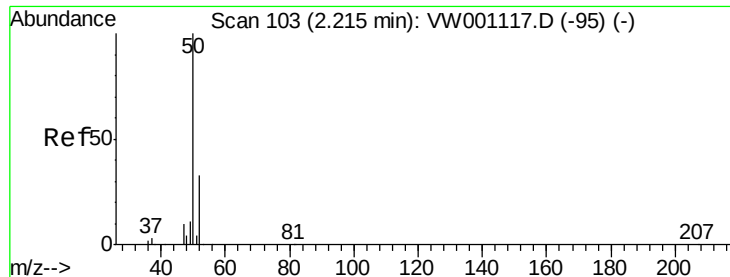
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.98 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

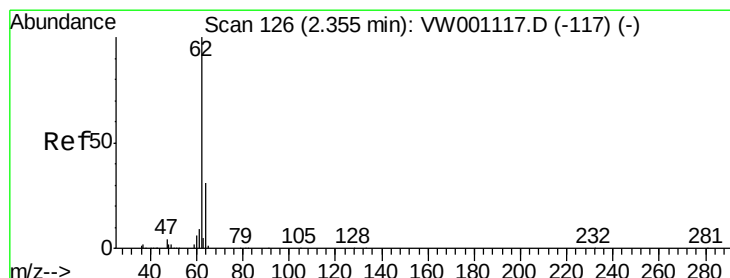
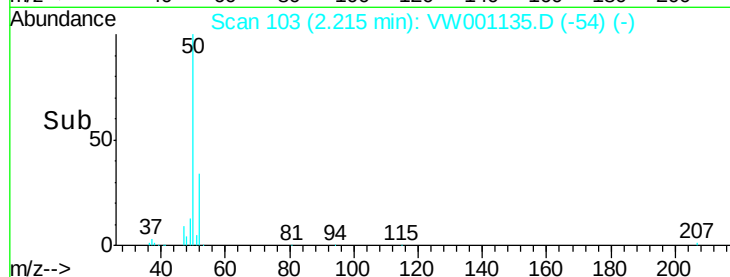
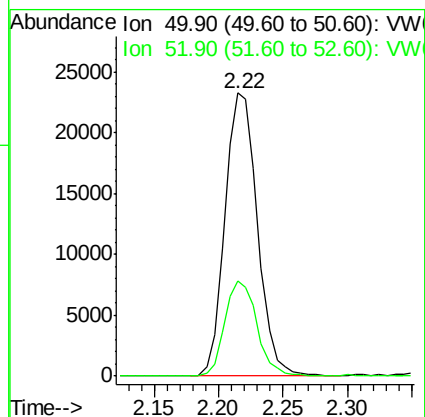
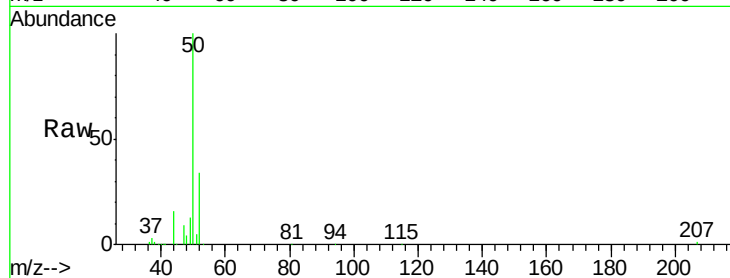
VW0129SBSD01

Tgt Ion: 50 Resp: 41178

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.4



#4

Vinyl Chloride

Concen: 18.59 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW001135.D

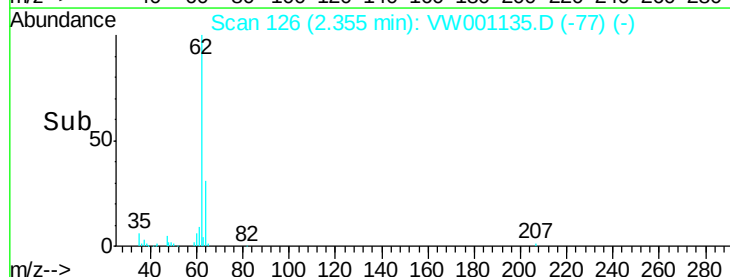
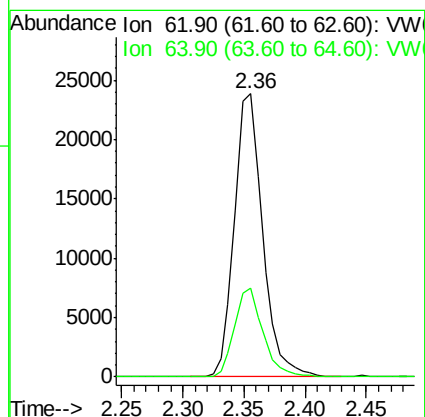
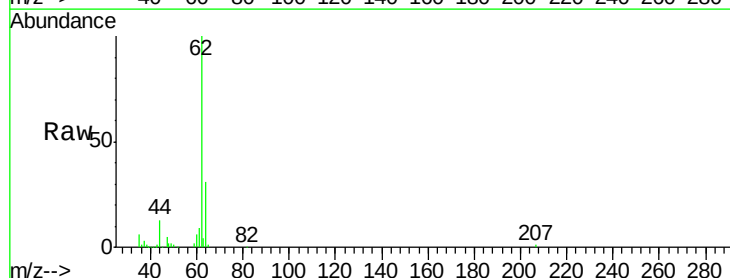
Acq: 29 Jan 2018 22:28

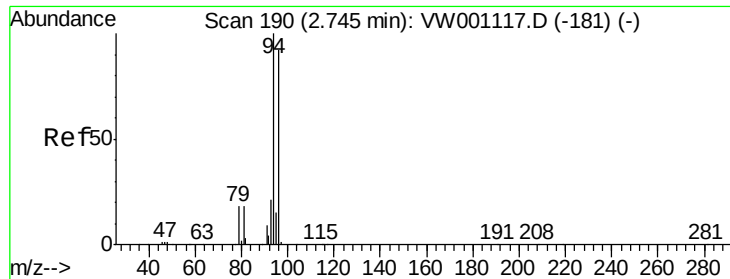
Tgt Ion: 62 Resp: 38143

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 20.46 ug/l

RT: 2.72 min Scan# 186

Delta R.T. -0.02 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

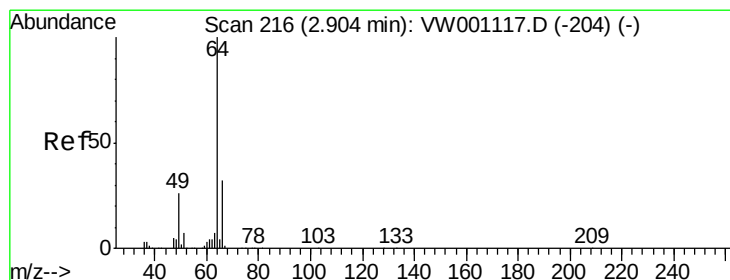
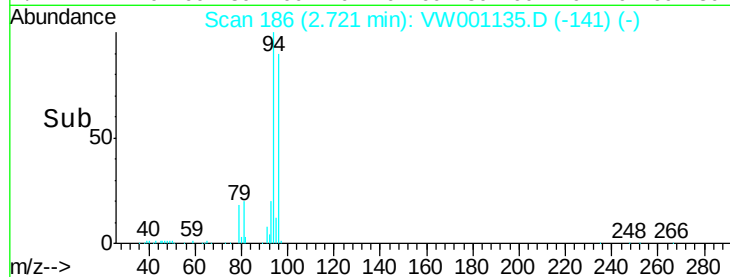
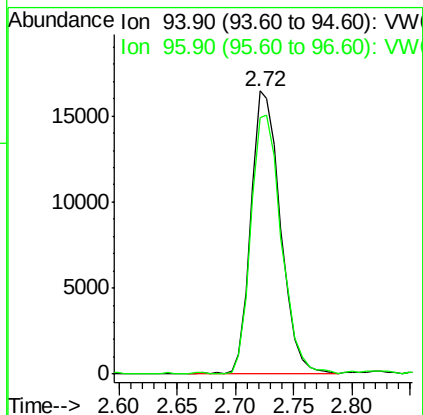
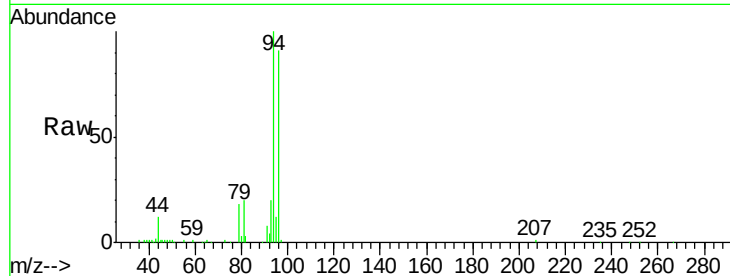
VW0129SBSD01

Tgt Ion: 94 Resp: 29177

Ion Ratio Lower Upper

94 100

96 90.5 73.7 110.5



#6

Chloroethane

Concen: 18.46 ug/l

RT: 2.89 min Scan# 214

Delta R.T. -0.01 min

Lab File: VW001135.D

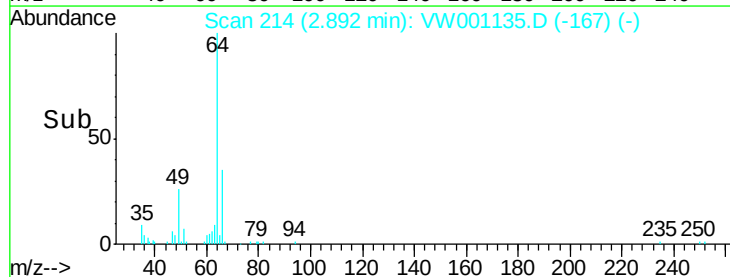
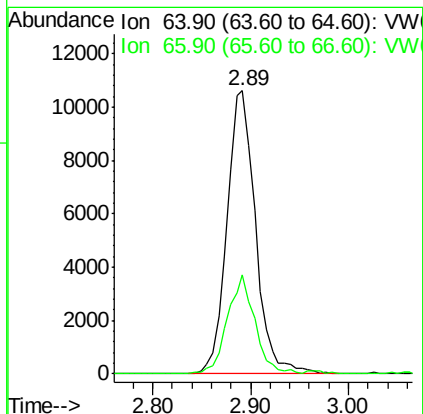
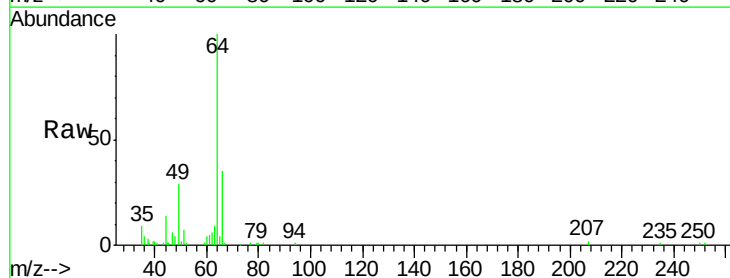
Acq: 29 Jan 2018 22:28

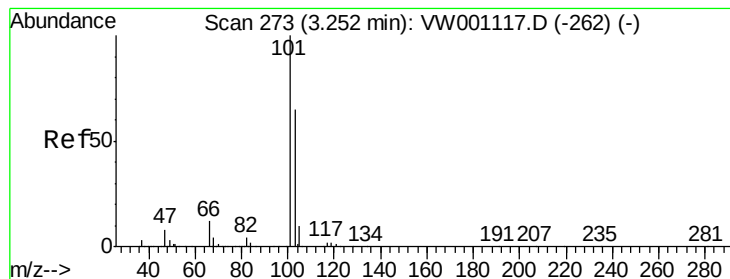
Tgt Ion: 64 Resp: 21494

Ion Ratio Lower Upper

64 100

66 34.8 25.8 38.8



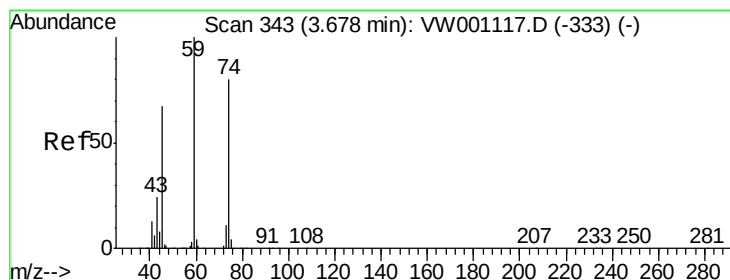
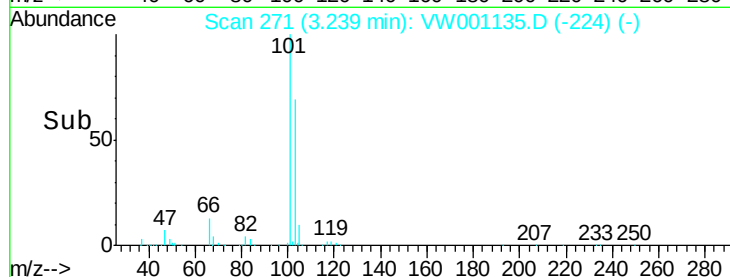
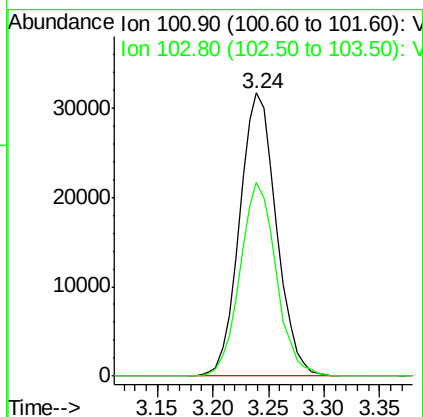
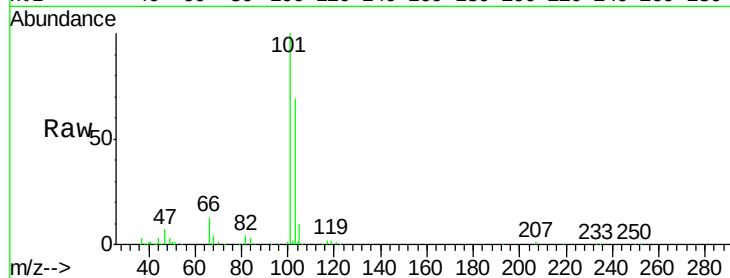


#7

Trichlorofluoromethane
 Concen: 19.02 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

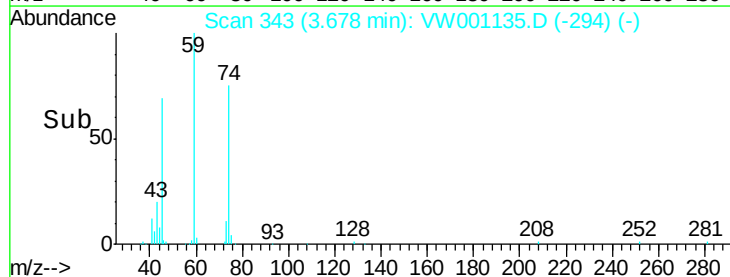
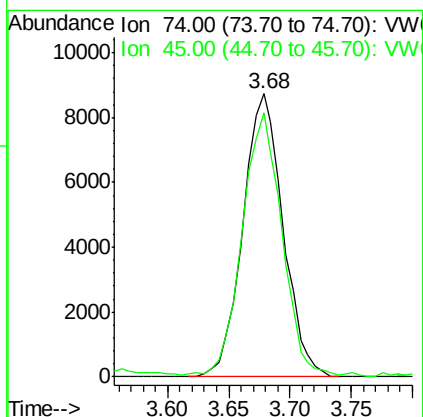
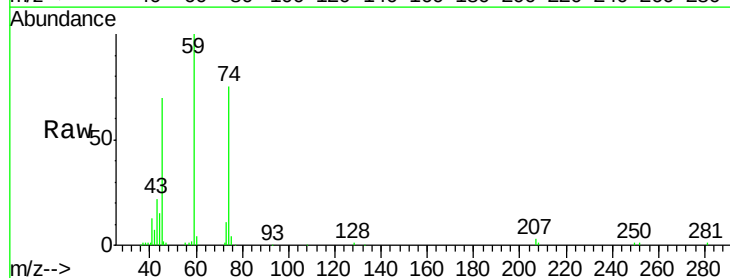
Tgt Ion: 101 Resp: 72528
 Ion Ratio Lower Upper
 101 100
 103 68.6 51.9 77.9

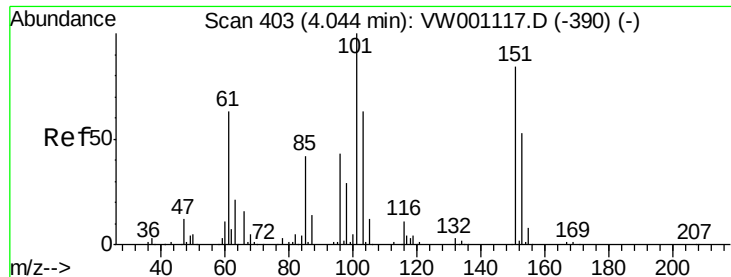


#8

Diethyl Ether
 Concen: 20.06 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 74 Resp: 19898
 Ion Ratio Lower Upper
 74 100
 45 93.5 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.41 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

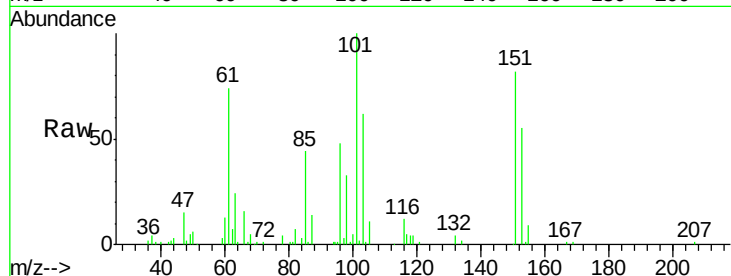
Tgt Ion:101 Resp: 51768

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

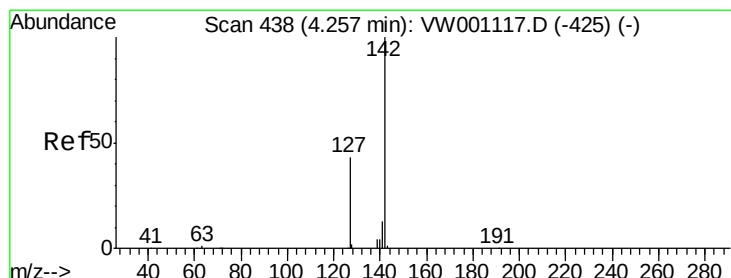
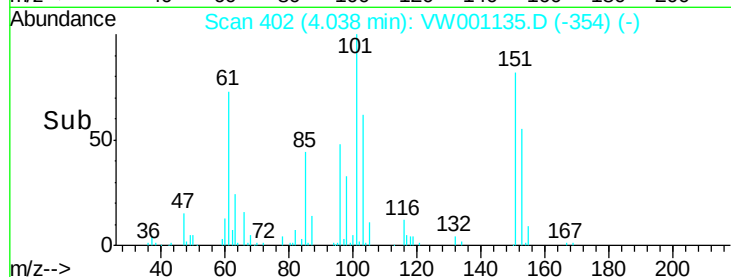
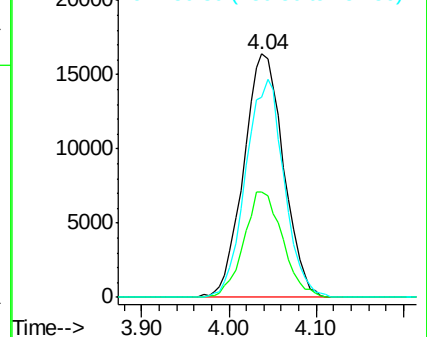
151 86.5 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.30 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

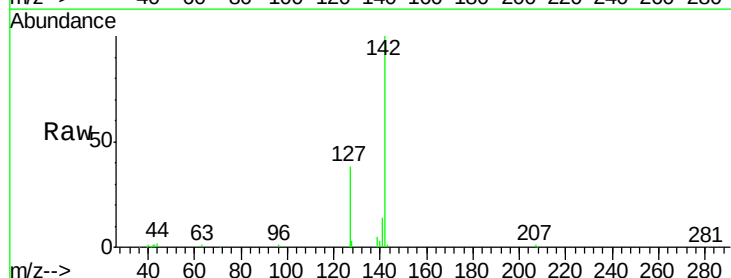
Tgt Ion:142 Resp: 38294

Ion Ratio Lower Upper

142 100

127 44.4 35.4 53.2

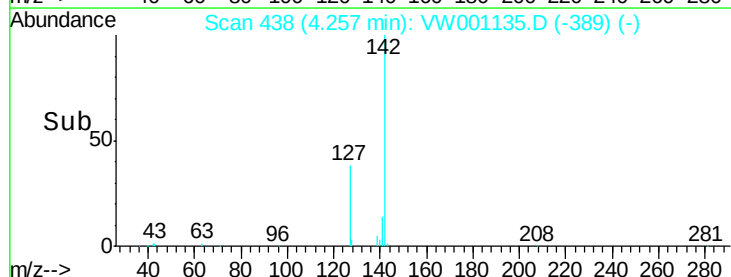
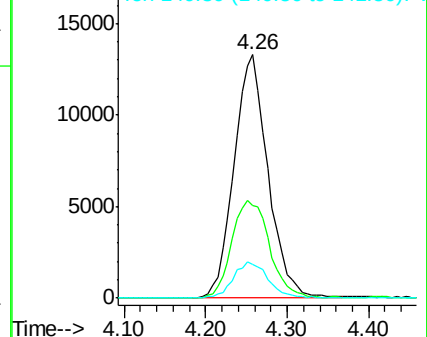
141 15.2 11.6 17.4

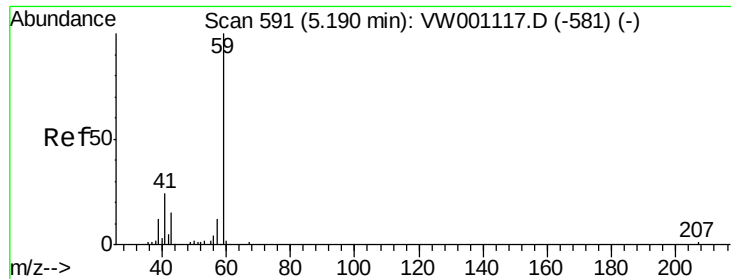


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

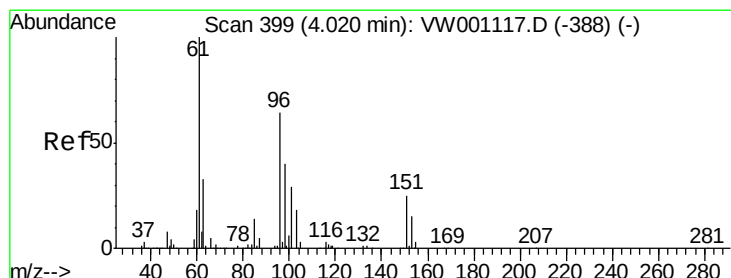
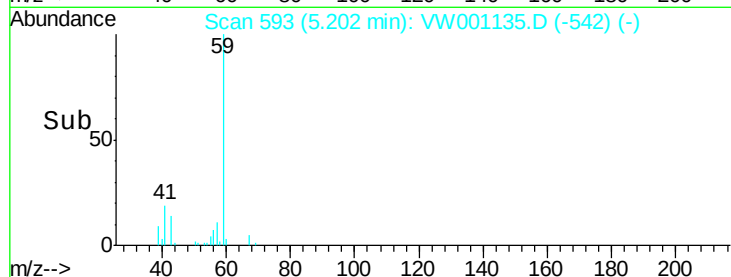
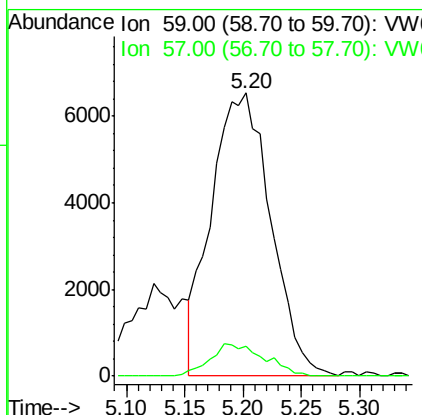
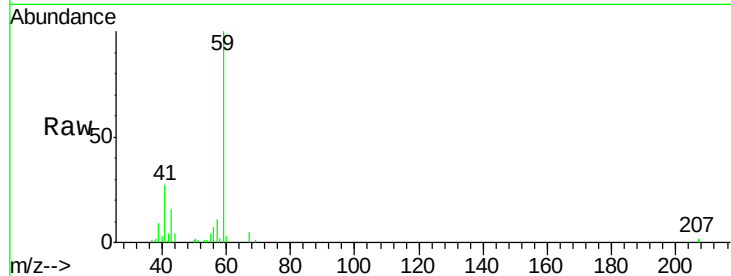




#11
Tert butyl alcohol
Concen: 106.40 ug/l
RT: 5.20 min Scan# 593
Delta R.T. 0.01 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

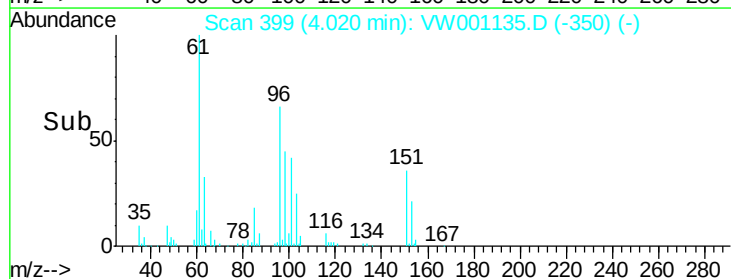
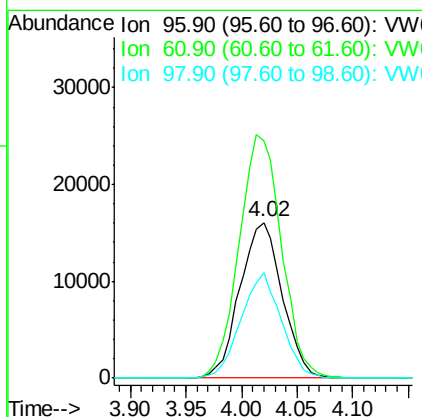
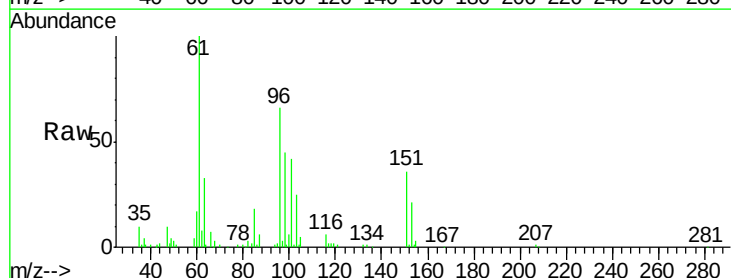
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

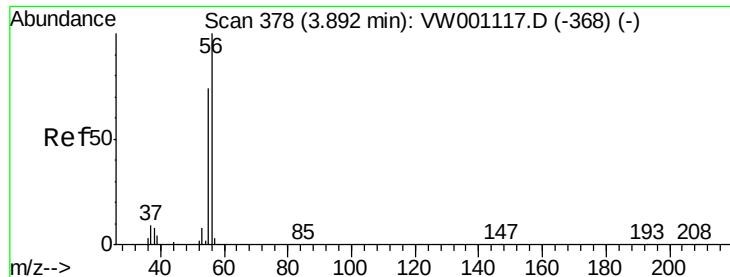
Tgt Ion: 59 Resp: 23137
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 19.19 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 96 Resp: 42529
Ion Ratio Lower Upper
96 100
61 152.1 125.2 187.8
98 67.9 50.3 75.5





#13

Acrolein

Concen: 95.66 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

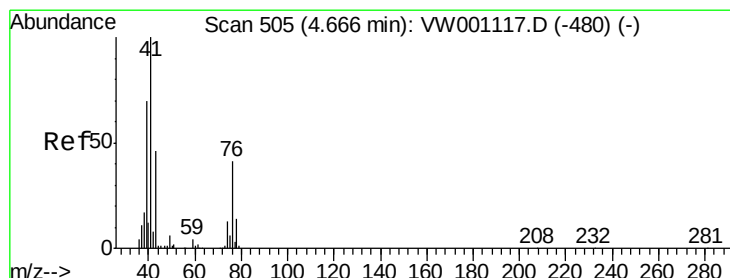
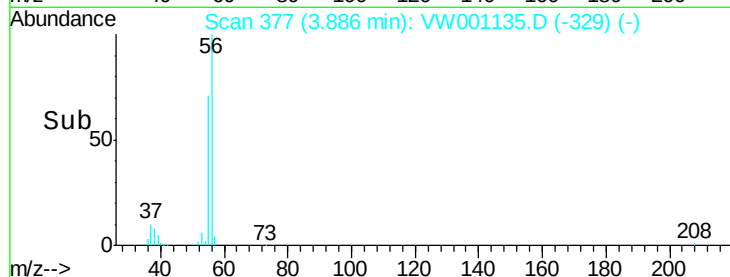
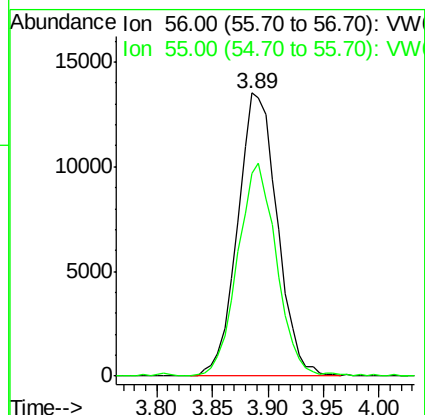
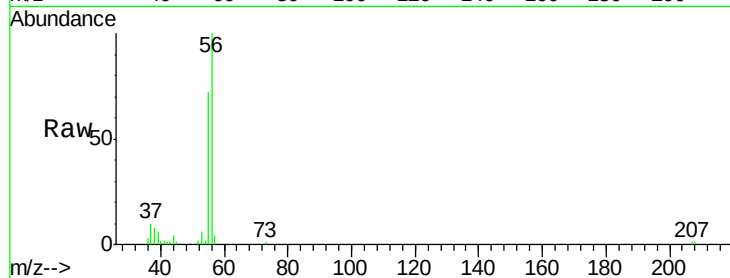
VW0129SBSD01

Tgt Ion: 56 Resp: 33409

Ion Ratio Lower Upper

56 100

55 74.1 58.2 87.4



#14

Allyl chloride

Concen: 19.08 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

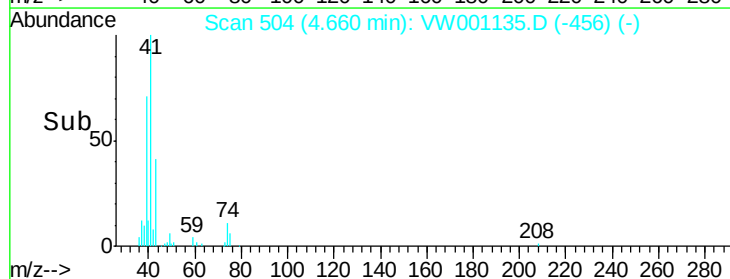
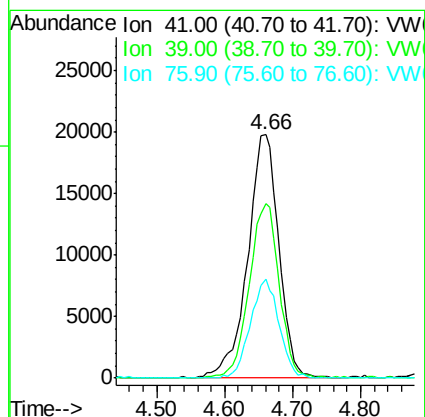
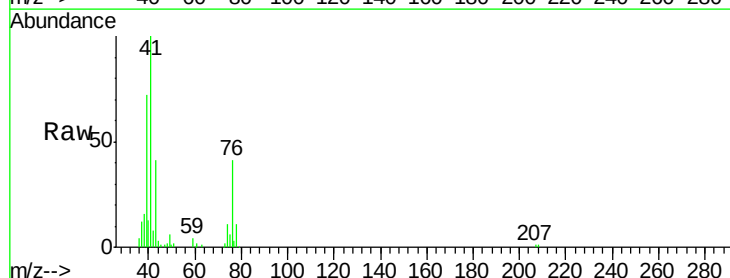
Tgt Ion: 41 Resp: 63161

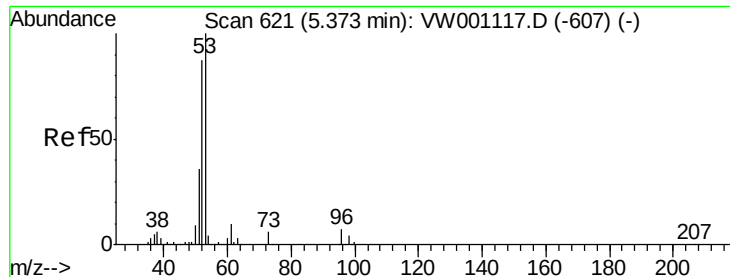
Ion Ratio Lower Upper

41 100

39 69.1 55.9 83.9

76 37.1 31.0 46.6





#15

Acrylonitrile

Concen: 104.87 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

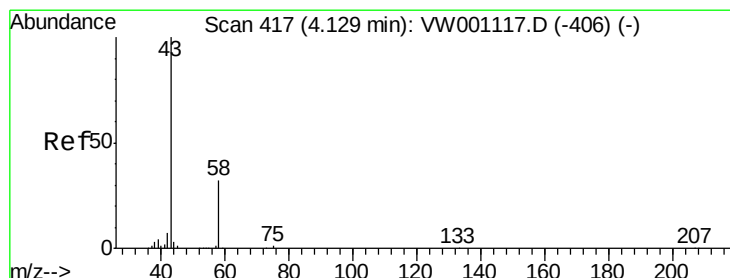
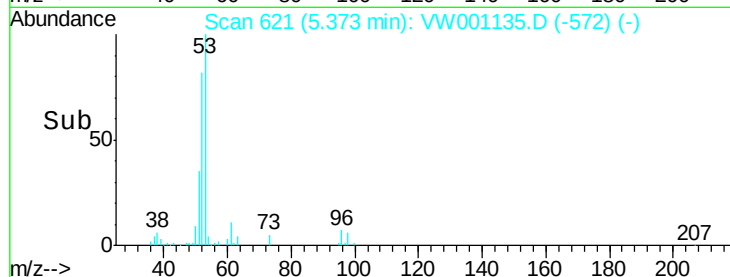
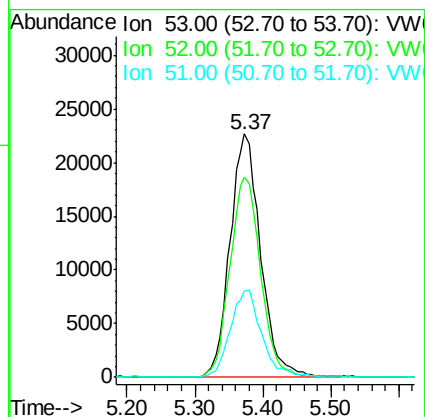
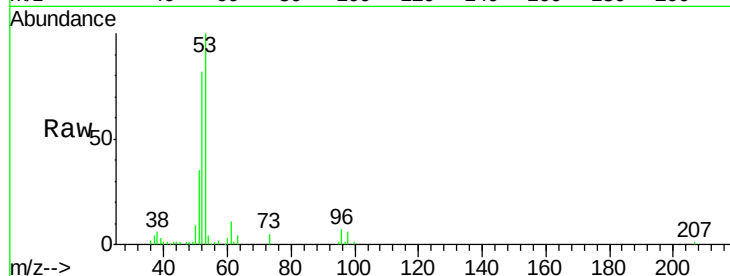
Tgt Ion: 53 Resp: 70637

Ion Ratio Lower Upper

53 100

52 82.4 66.9 100.3

51 37.1 29.5 44.3



#16

Acetone

Concen: 100.79 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001135.D

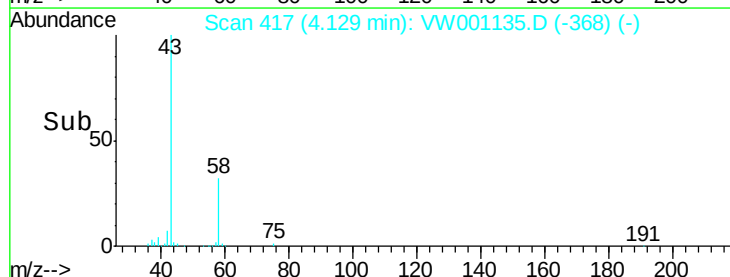
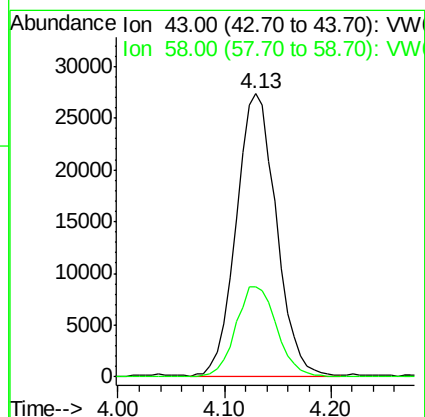
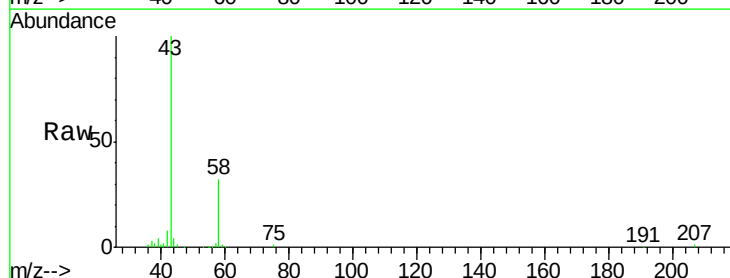
Acq: 29 Jan 2018 22:28

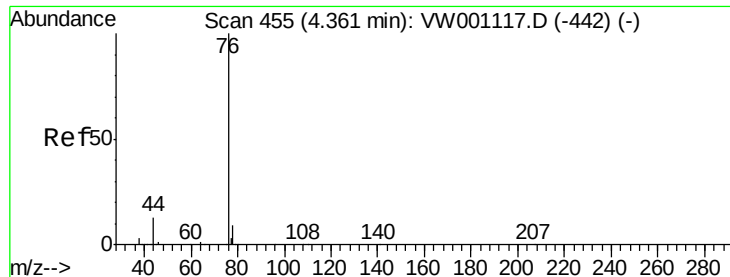
Tgt Ion: 43 Resp: 71726

Ion Ratio Lower Upper

43 100

58 32.0 25.7 38.5





#17

Carbon Disulfide

Concen: 18.86 ug/l

RT: 4.35 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

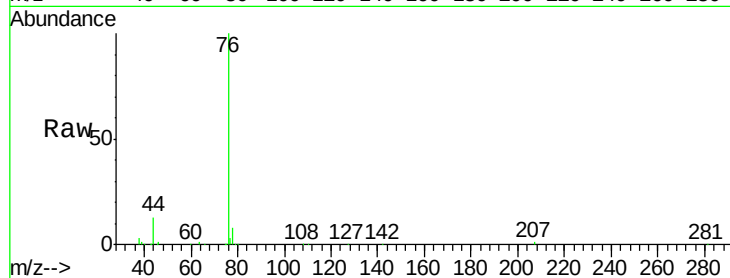
VW0129SBSD01

Tgt Ion: 76 Resp: 129782

Ion Ratio Lower Upper

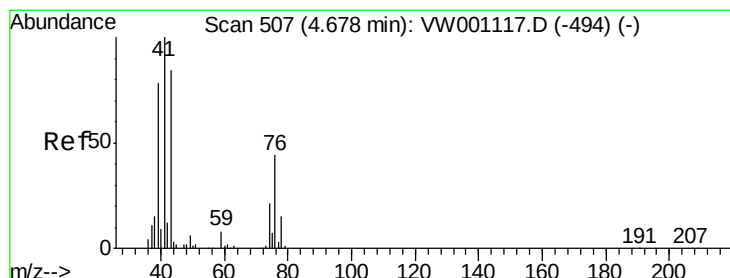
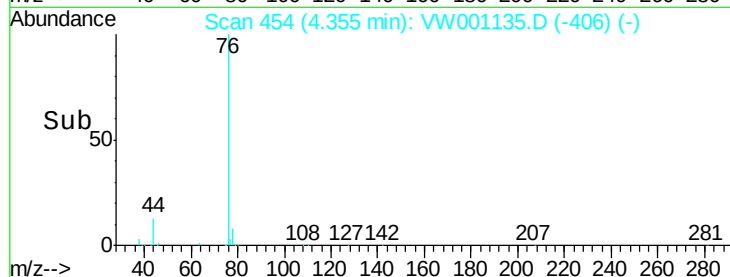
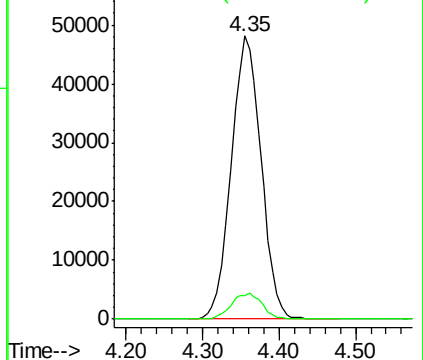
76 100

78 8.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.02 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW001135.D

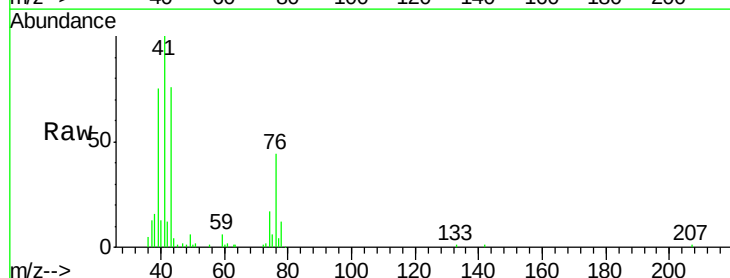
Acq: 29 Jan 2018 22:28

Tgt Ion: 43 Resp: 33698

Ion Ratio Lower Upper

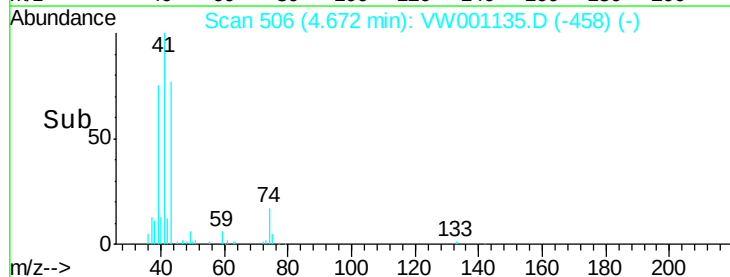
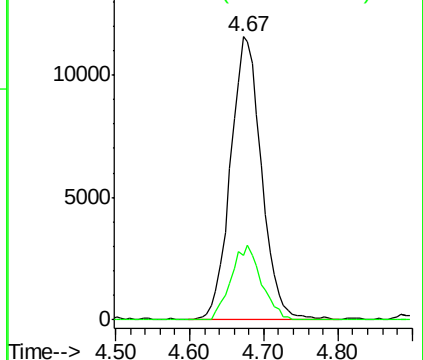
43 100

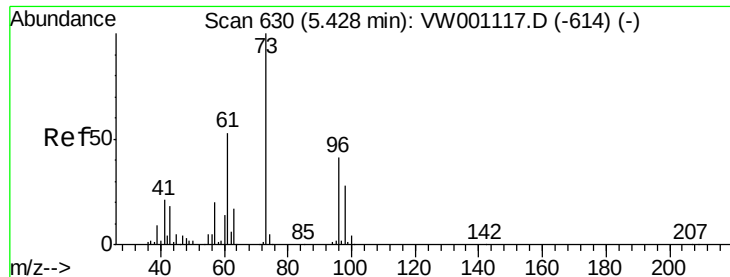
74 25.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

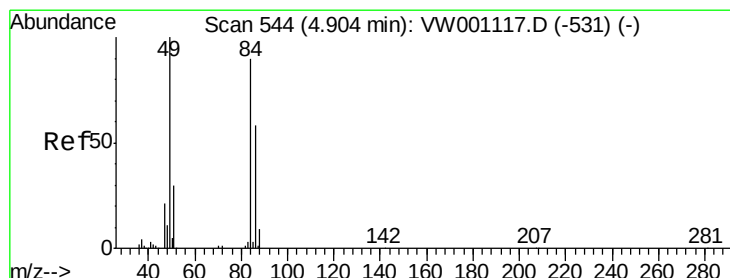
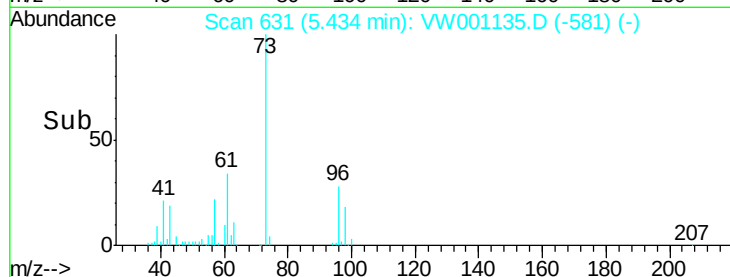
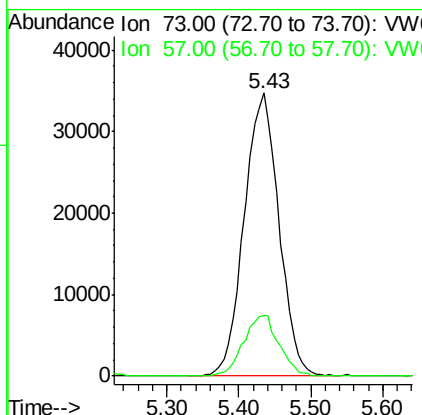
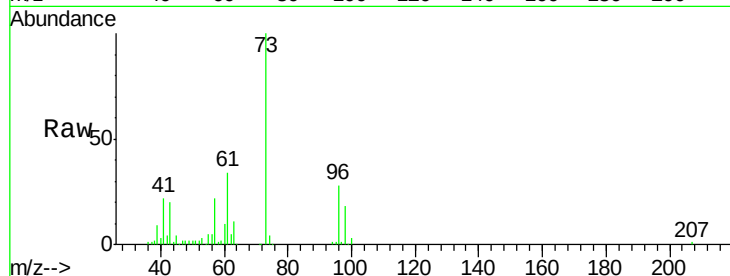




#19
Methyl tert-butyl Ether
Concen: 20.30 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

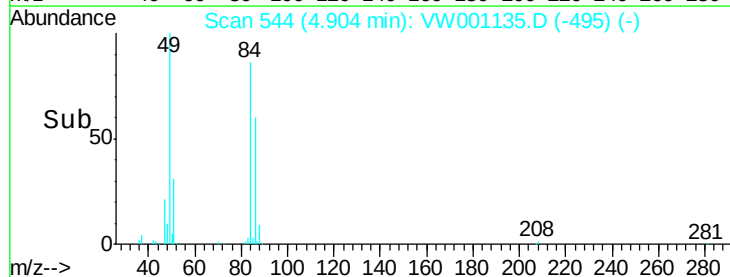
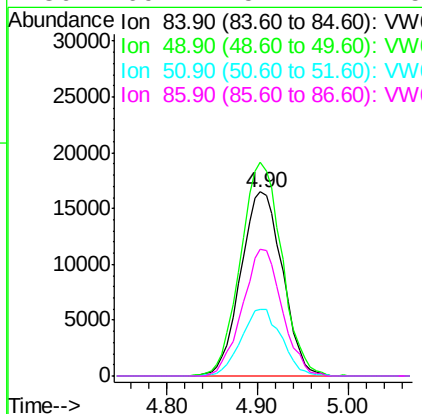
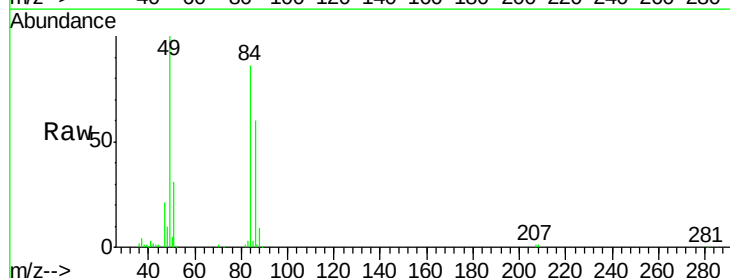
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

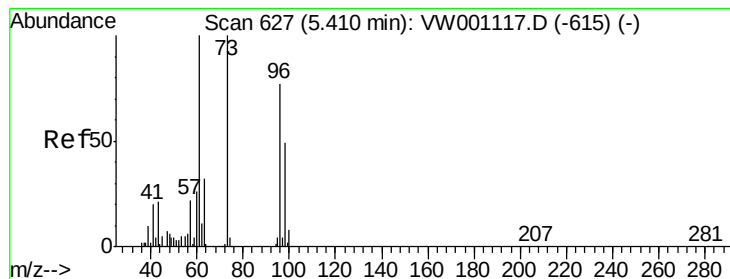
Tgt Ion: 73 Resp: 116392
Ion Ratio Lower Upper
73 100
57 21.6 16.1 24.1



#20
Methylene Chloride
Concen: 20.91 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 84 Resp: 52577
Ion Ratio Lower Upper
84 100
49 116.1 89.2 133.8
51 36.4 26.7 40.1
86 69.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.78 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

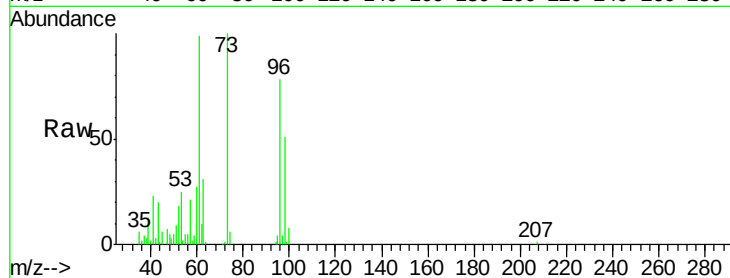
Tgt Ion: 96 Resp: 48947

Ion Ratio Lower Upper

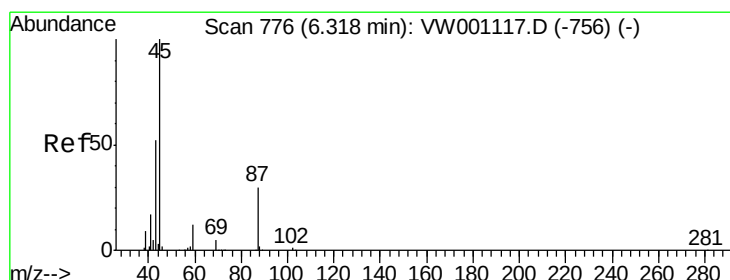
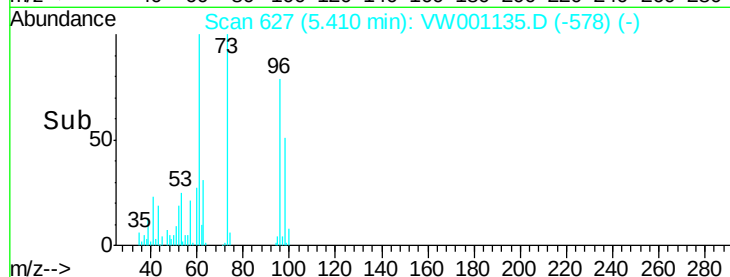
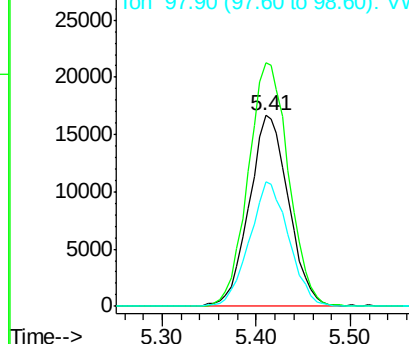
96 100

61 127.7 104.6 156.8

98 65.1 50.8 76.2



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



#22

Diisopropyl ether

Concen: 20.67 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Tgt Ion: 45 Resp: 131073

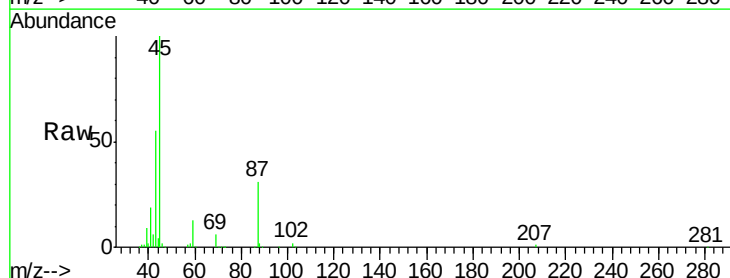
Ion Ratio Lower Upper

45 100

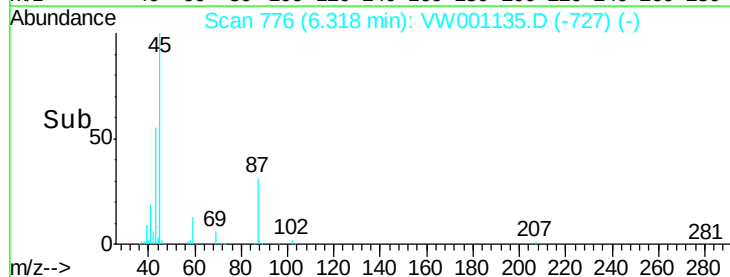
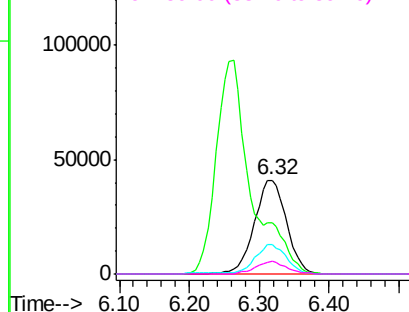
43 54.4 41.6 62.4

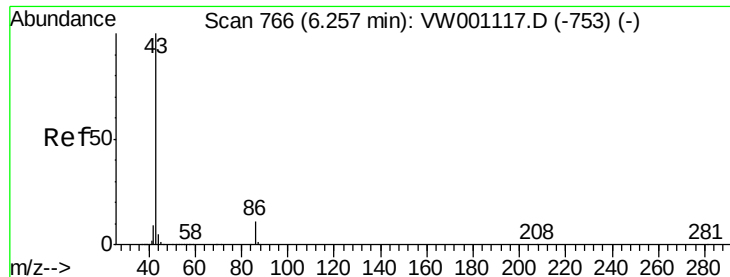
87 30.8 24.5 36.7

59 13.1 9.9 14.9



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





#23

Vinyl Acetate

Concen: 85.10 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

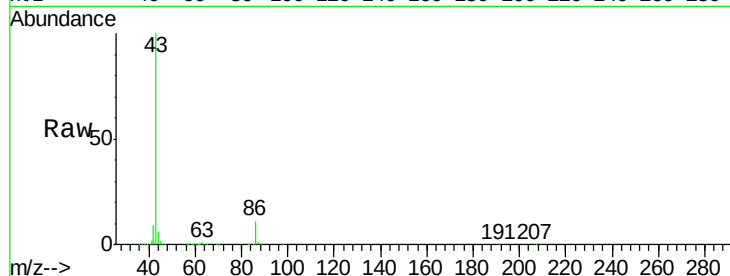
VW0129SBS01

Tgt Ion: 43 Resp: 323374

Ion Ratio Lower Upper

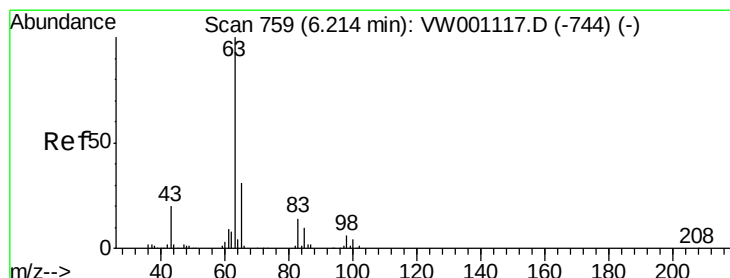
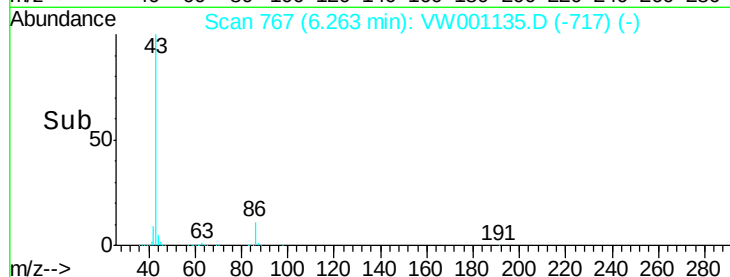
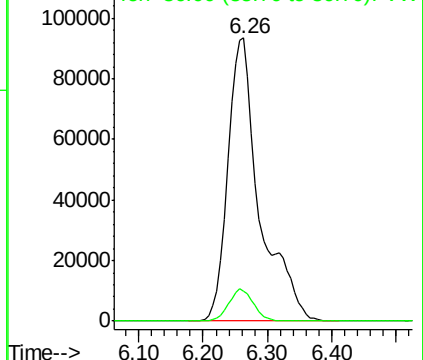
43 100

86 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.05 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

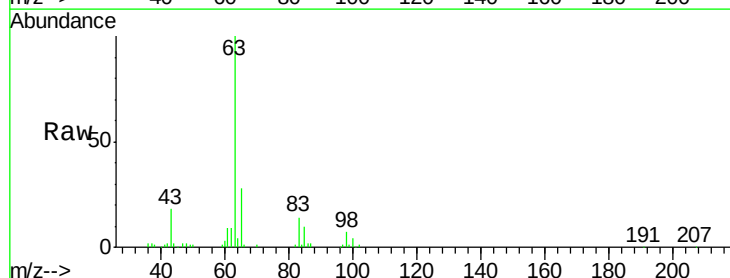
Tgt Ion: 63 Resp: 82994

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.2

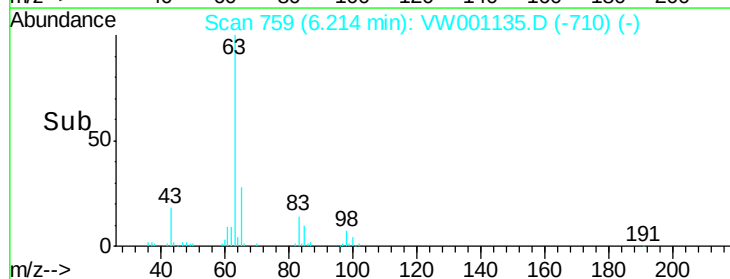
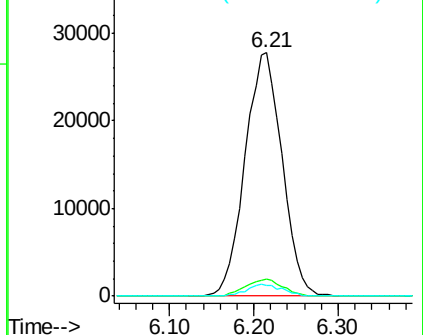
100 4.5 2.1 6.3

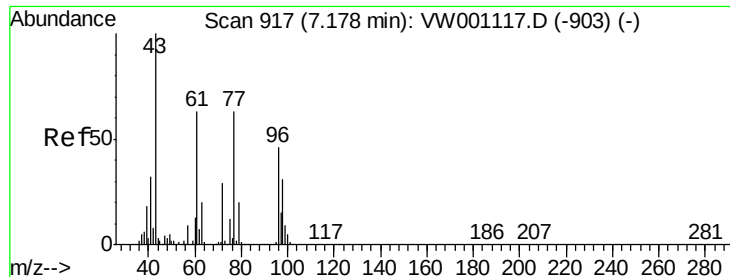


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.66 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

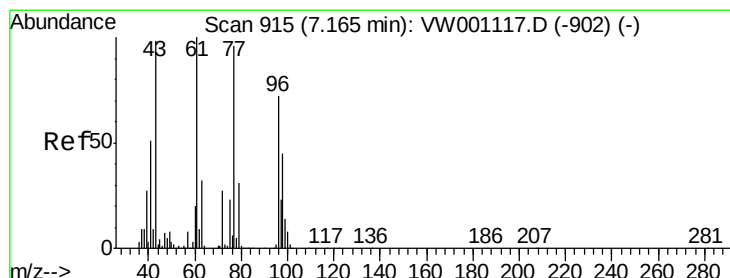
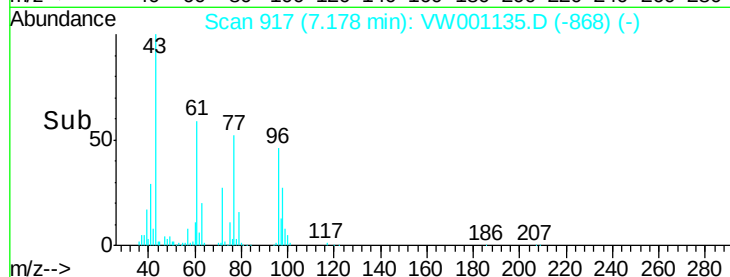
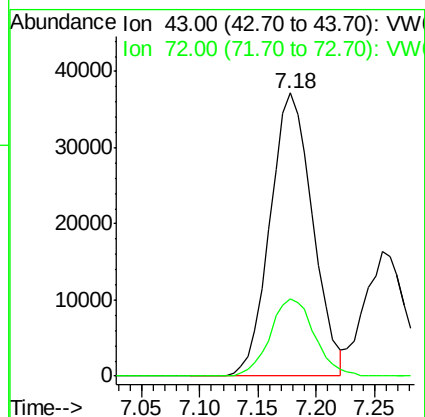
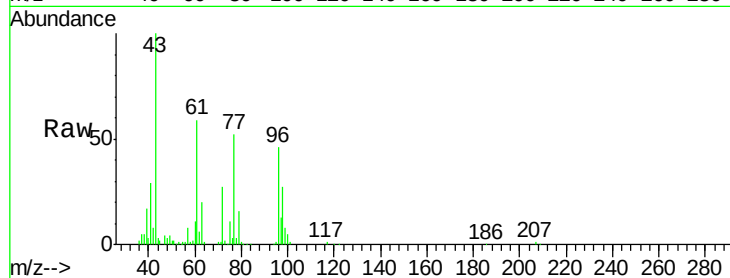
VW0129SBS01

Tgt Ion: 43 Resp: 94026

Ion Ratio Lower Upper

43 100

72 27.2 22.8 34.2



#26

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW001135.D

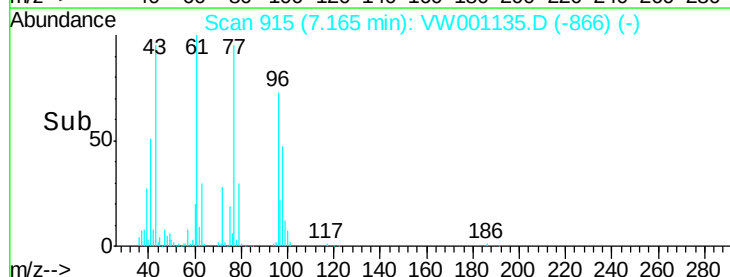
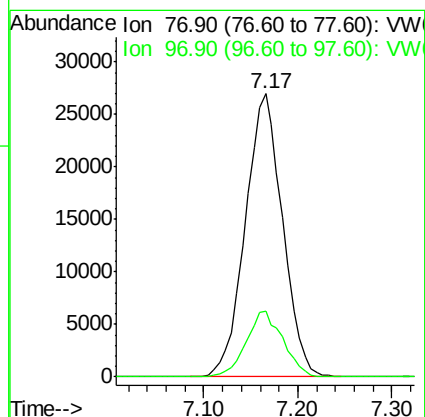
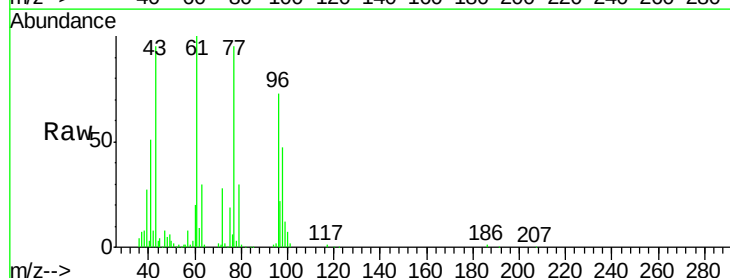
Acq: 29 Jan 2018 22:28

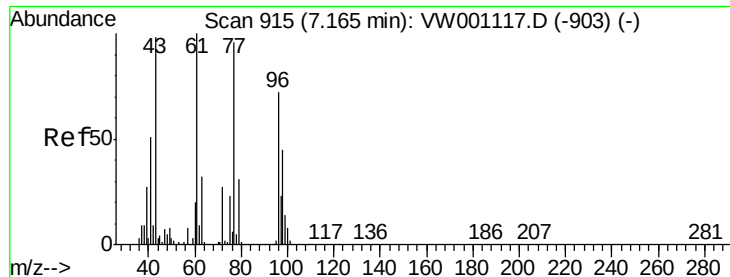
Tgt Ion: 77 Resp: 74631

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 20.41 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

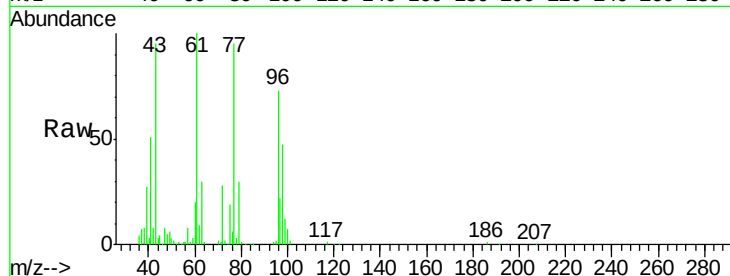
Tgt Ion: 96 Resp: 53870

Ion Ratio Lower Upper

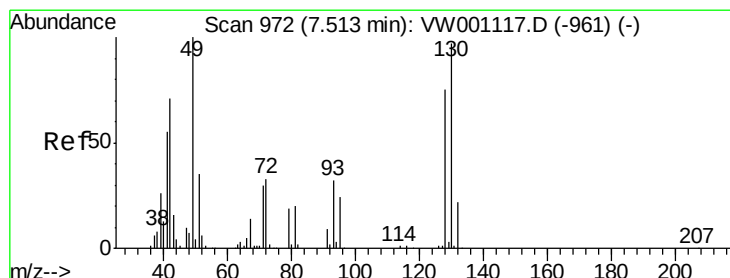
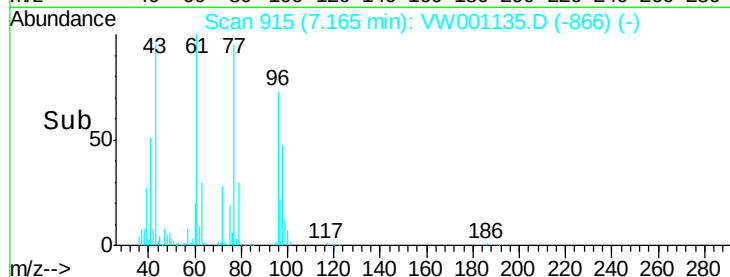
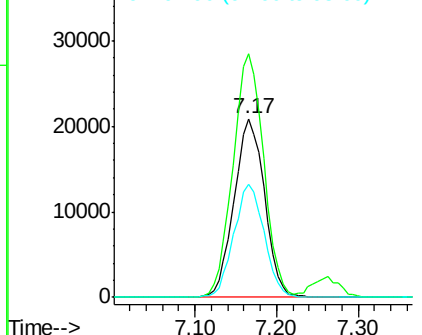
96 100

61 137.5 0.0 280.4

98 63.2 0.0 129.6



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: 20.80 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

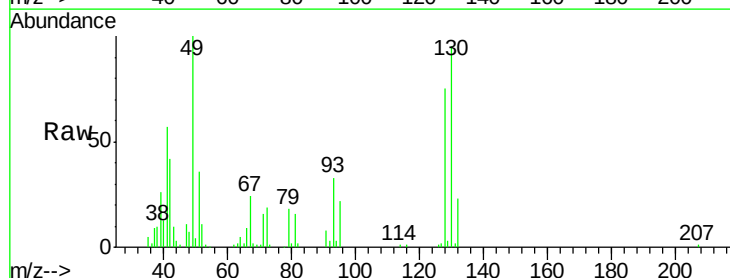
Tgt Ion: 49 Resp: 34991

Ion Ratio Lower Upper

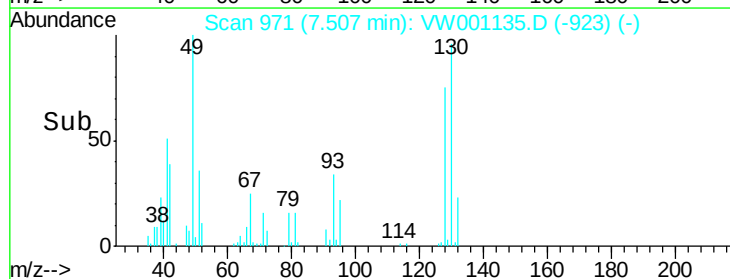
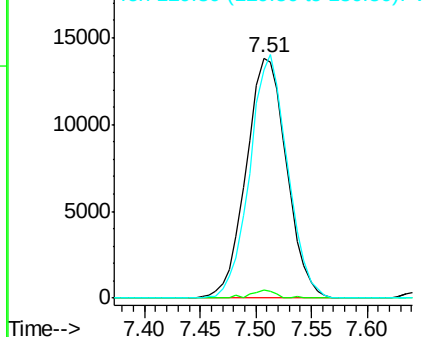
49 100

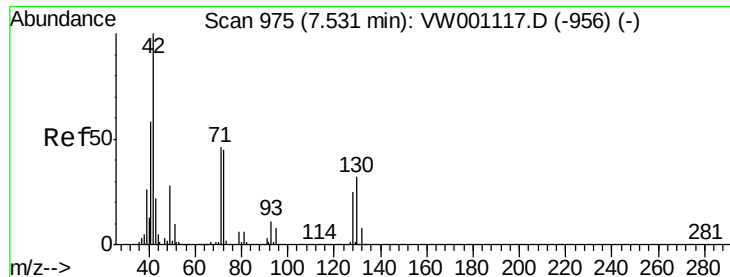
129 1.9 0.0 2.6

130 94.4 75.5 113.3



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: 106.25 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

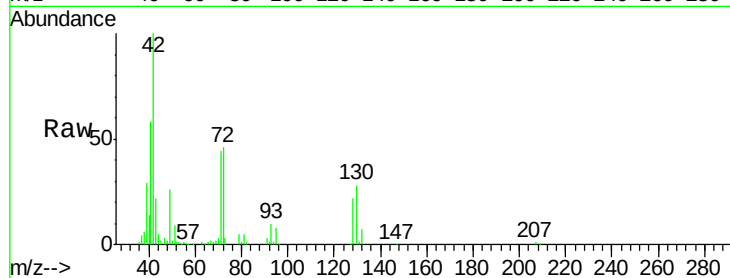
Tgt Ion: 42 Resp: 56677

Ion Ratio Lower Upper

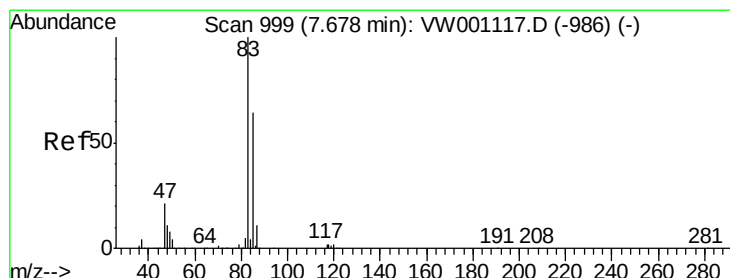
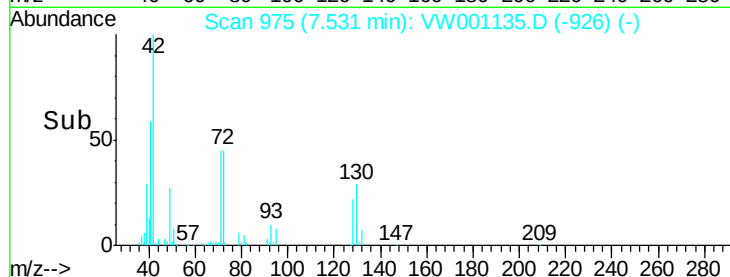
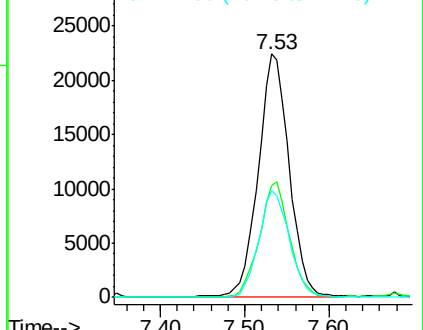
42 100

72 46.1 36.8 55.2

71 43.3 35.1 52.7



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: 20.45 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW001135.D

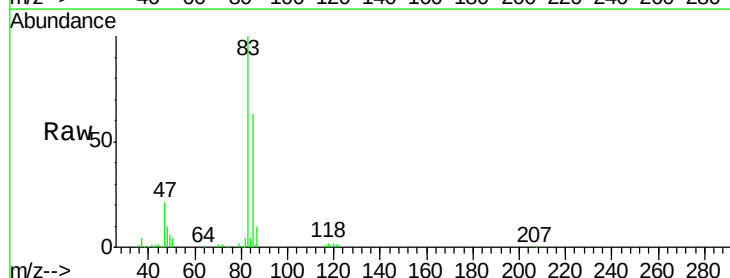
Acq: 29 Jan 2018 22:28

Tgt Ion: 83 Resp: 91715

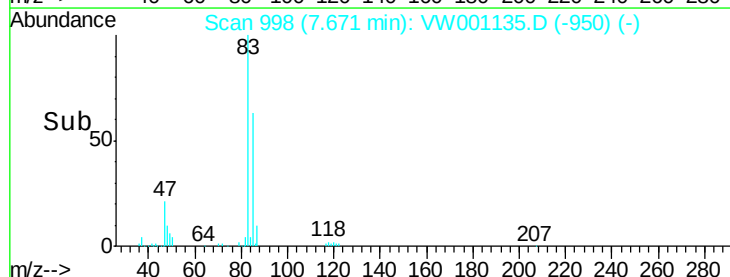
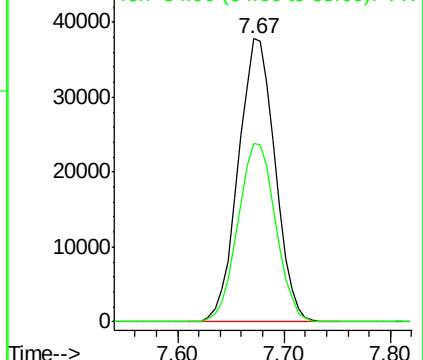
Ion Ratio Lower Upper

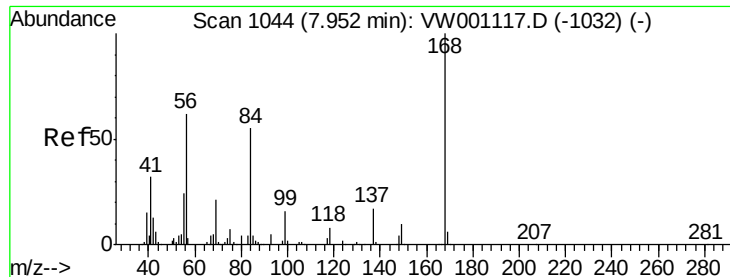
83 100

85 63.1 51.4 77.2



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





#31

Cyclohexane

Concen: 19.01 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

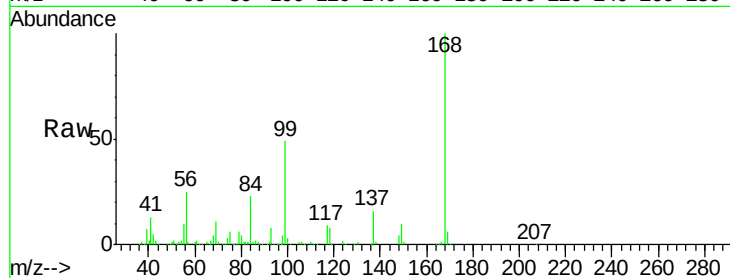
Tgt Ion: 56 Resp: 76350

Ion Ratio Lower Upper

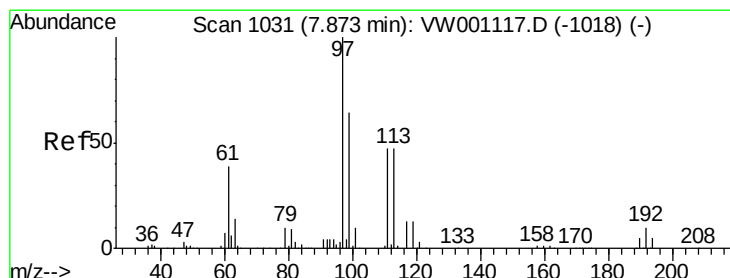
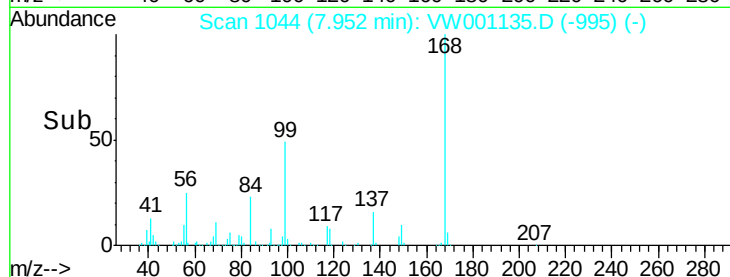
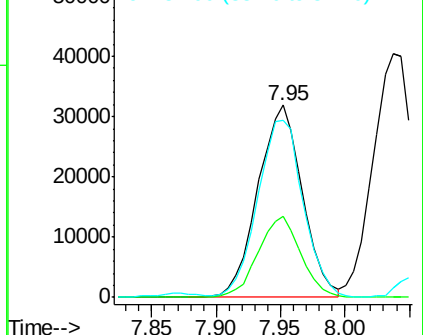
56 100

69 42.0 27.4 41.0#

84 90.7 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 19.78 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

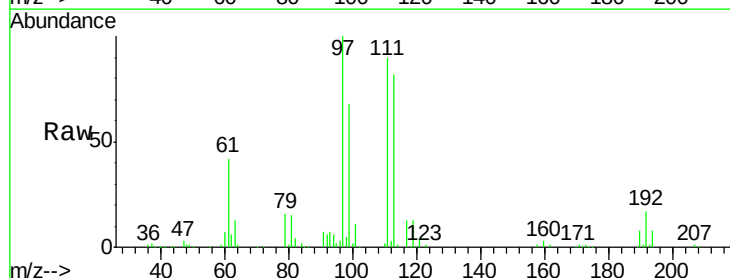
Tgt Ion: 97 Resp: 83923

Ion Ratio Lower Upper

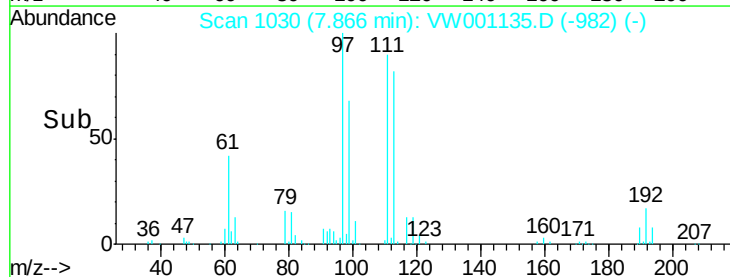
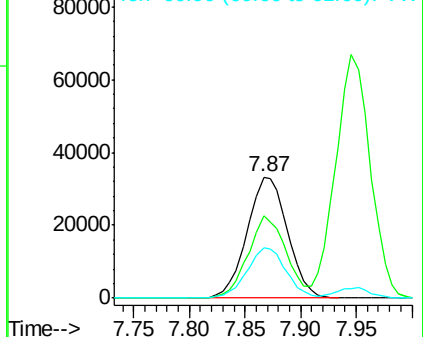
97 100

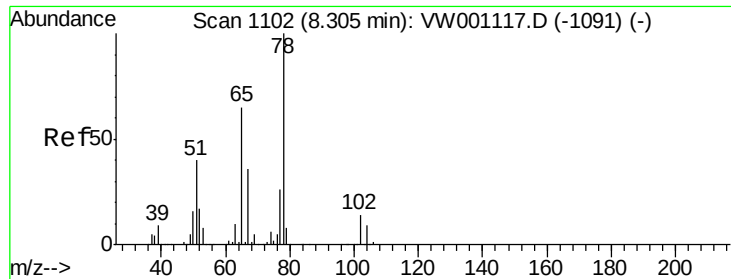
99 64.8 51.4 77.2

61 40.2 32.4 48.6



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

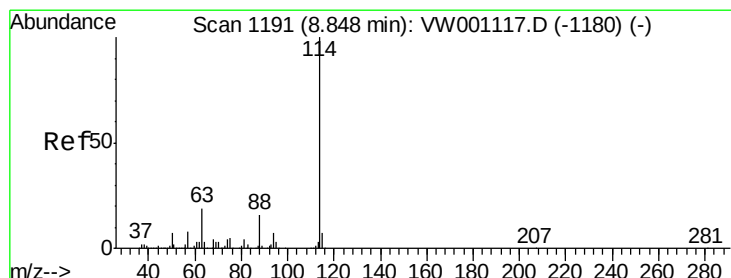
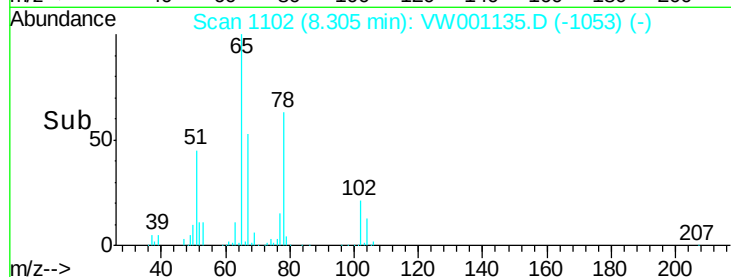
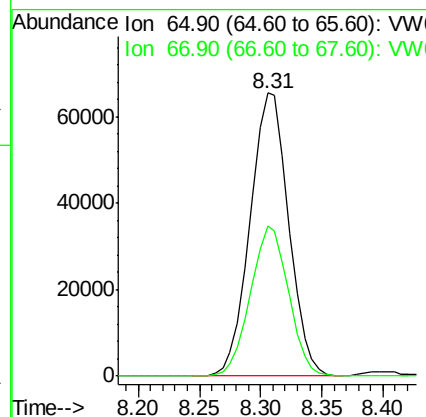
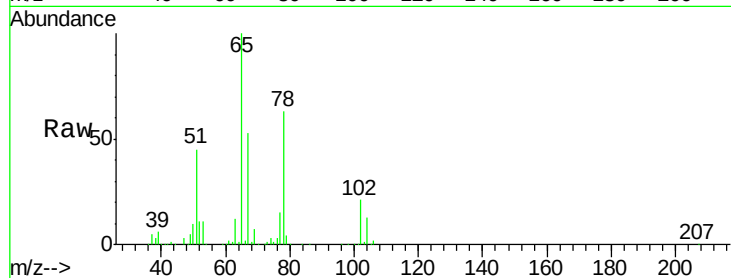




#33
 1,2-Dichloroethane-d4
 Concen: 53.13 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

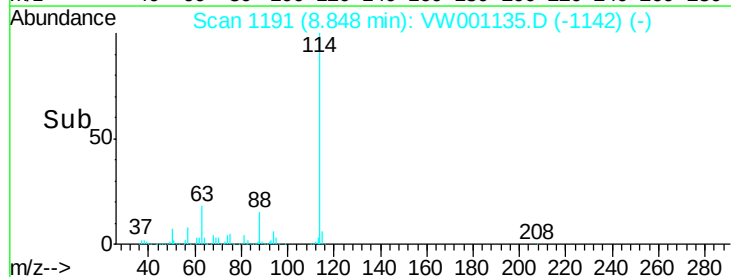
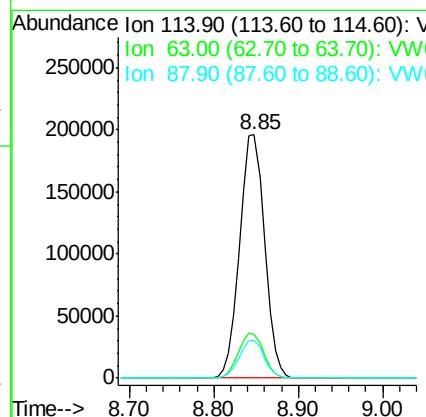
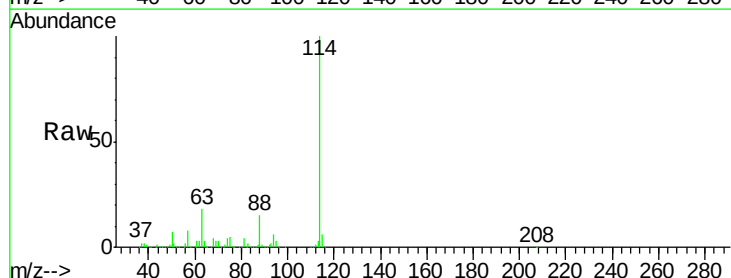
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

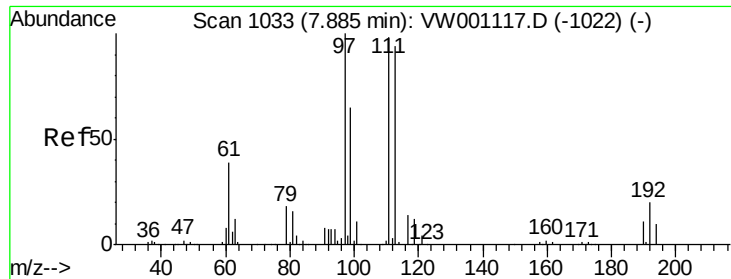
Tgt Ion: 65 Resp: 143789
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 114 Resp: 390984
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.2
 88 15.3 0.0 31.0

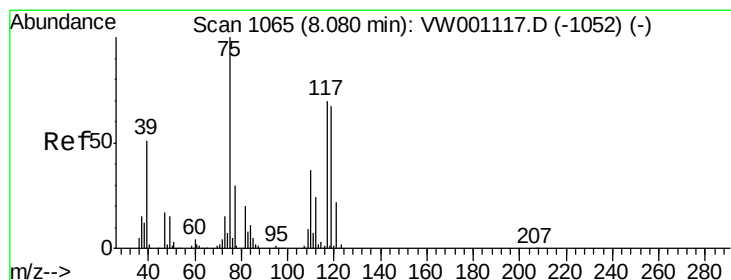
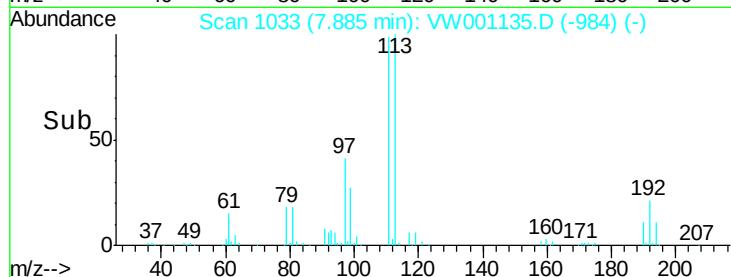
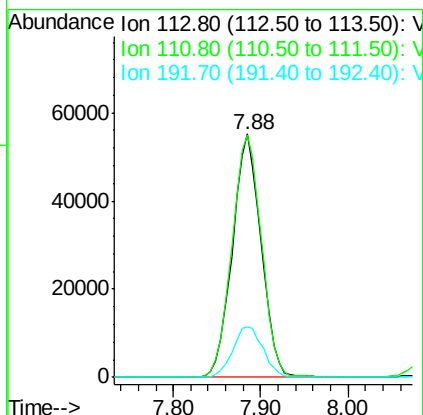
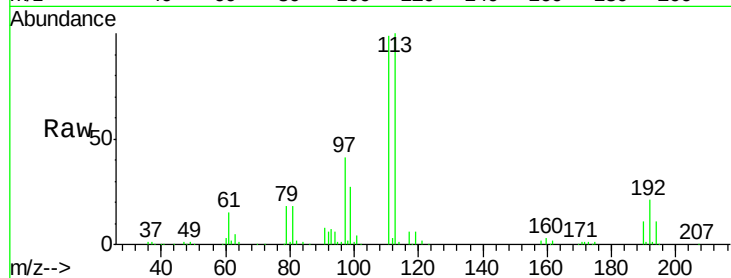




#35
Dibromofluoromethane
Concen: 50.16 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

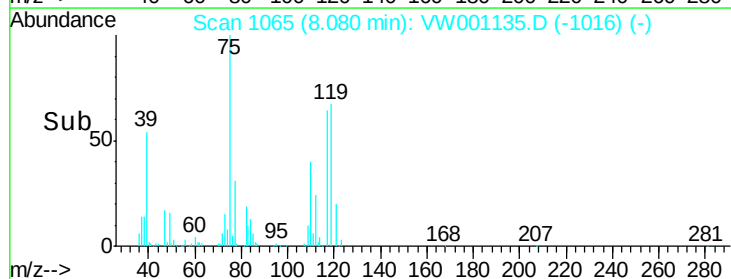
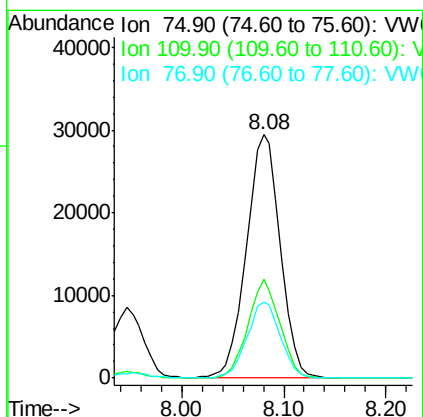
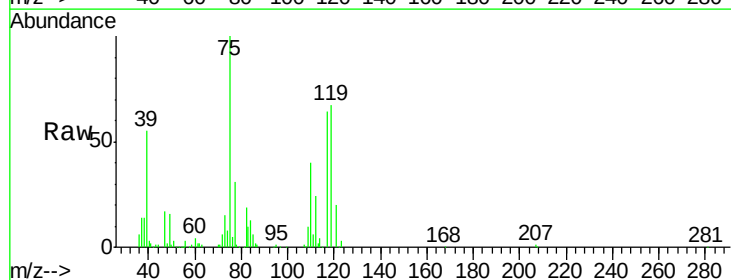
Instrument :
MSVOA_W
ClientSampled :
VW0129SBSD01

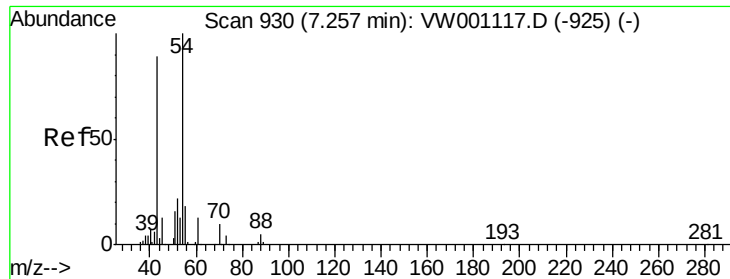
Tgt Ion:113 Resp: 125437
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 21.8 17.8 26.6



#36
1,1-Dichloropropene
Concen: 19.26 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 75 Resp: 67972
Ion Ratio Lower Upper
75 100
110 38.1 18.7 56.1
77 31.1 24.6 37.0

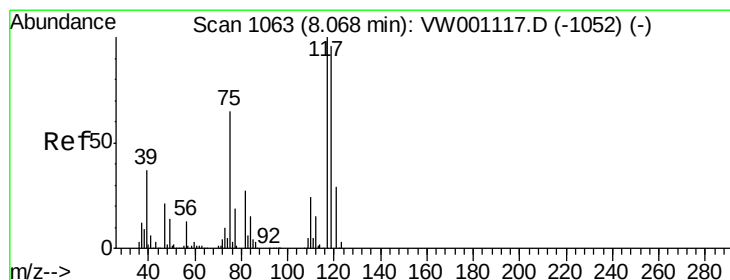
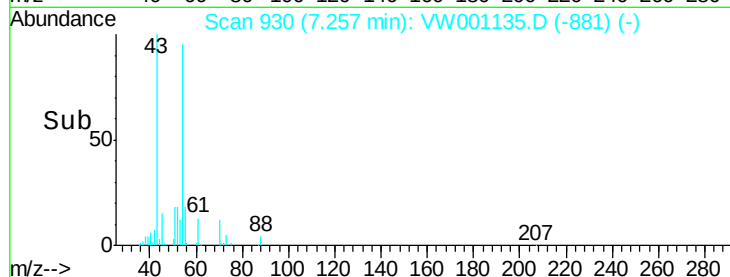
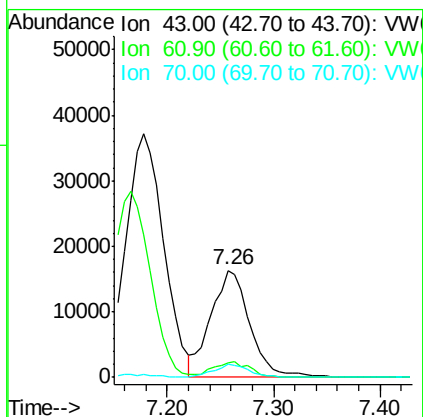
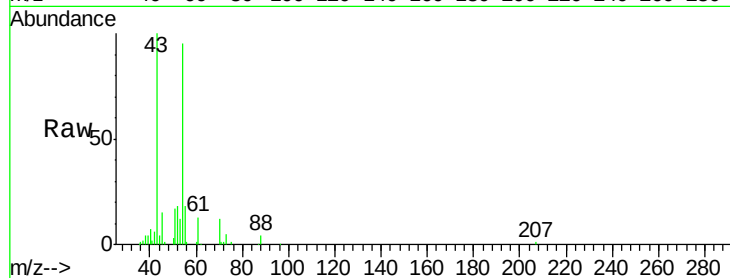




#37
 Ethyl Acetate
 Concen: 22.00 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

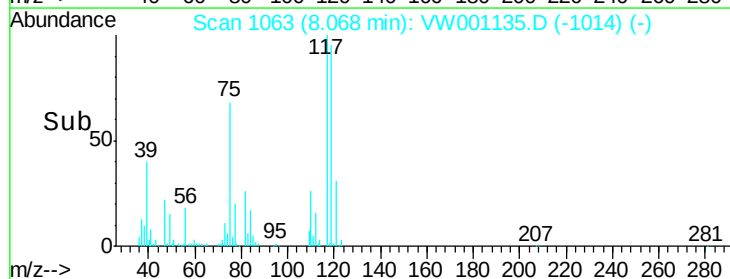
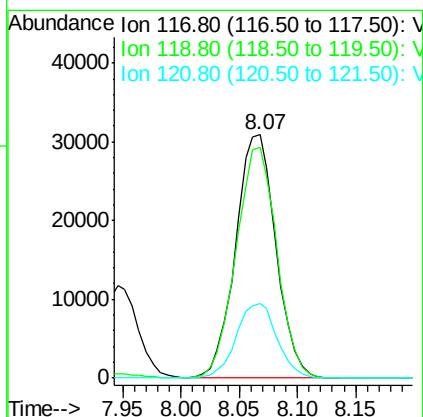
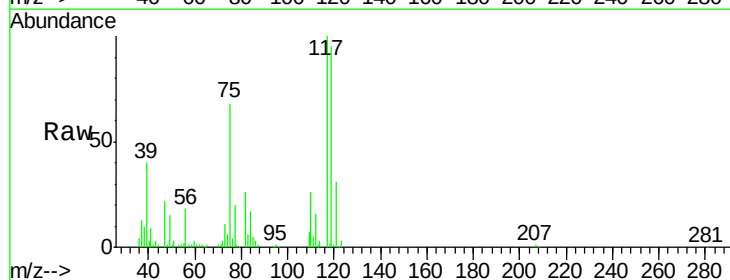
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

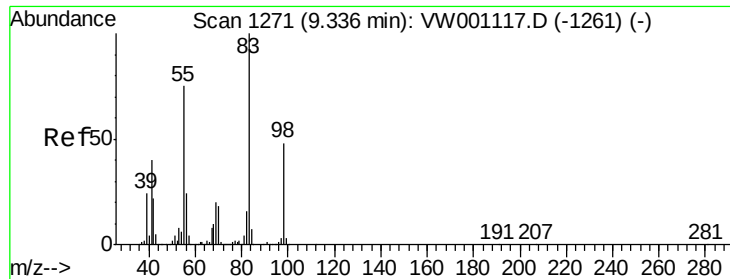
Tgt Ion: 43 Resp: 41051
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.9 17.9
 70 11.0 9.4 14.0



#38
 Carbon Tetrachloride
 Concen: 18.96 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 117 Resp: 74759
 Ion Ratio Lower Upper
 117 100
 119 94.9 77.0 115.4
 121 30.8 23.5 35.3

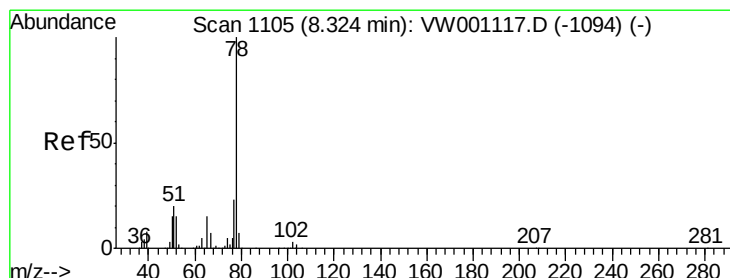
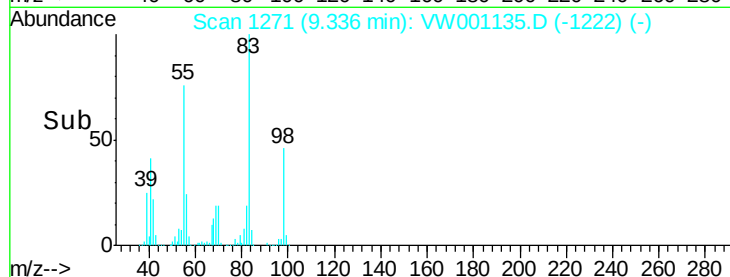
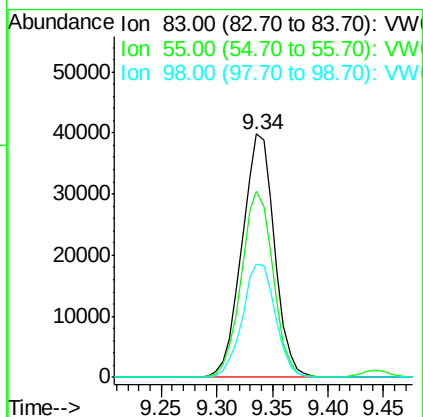
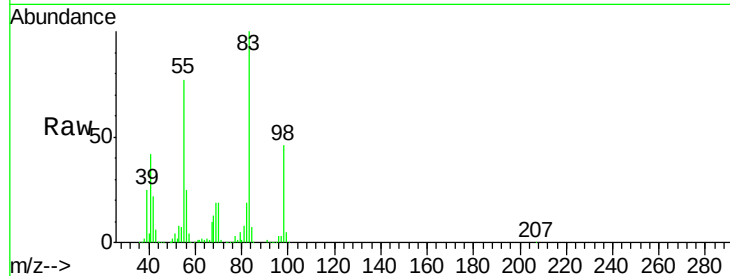




#39
Methylcyclohexane
Concen: 19.39 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

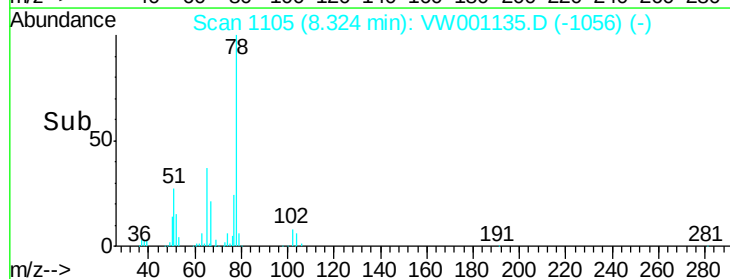
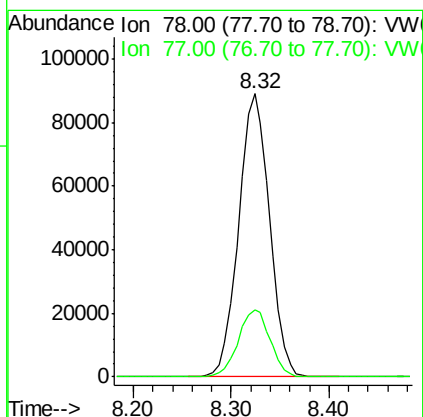
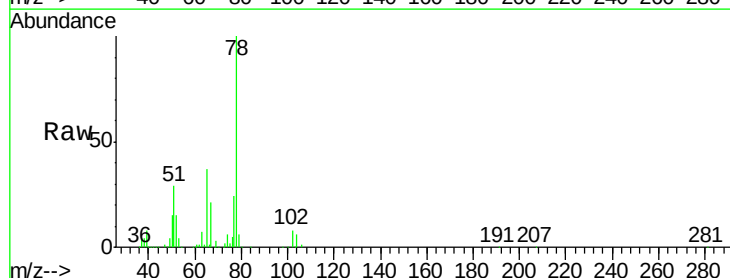
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

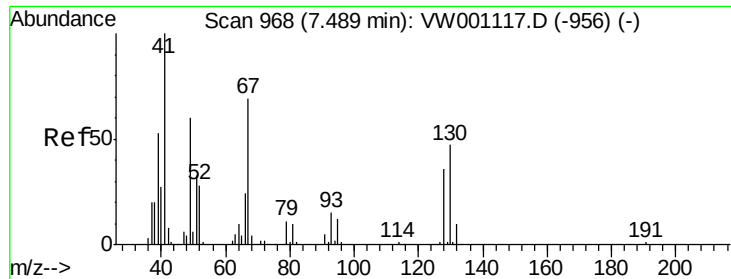
Tgt Ion: 83 Resp: 80810
Ion Ratio Lower Upper
83 100
55 76.7 59.7 89.5
98 46.3 38.0 57.0



#40
Benzene
Concen: 19.92 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 78 Resp: 194673
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

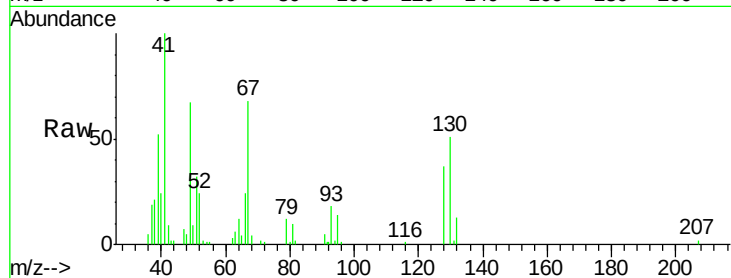




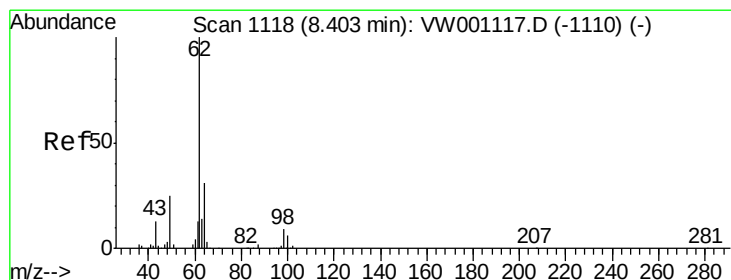
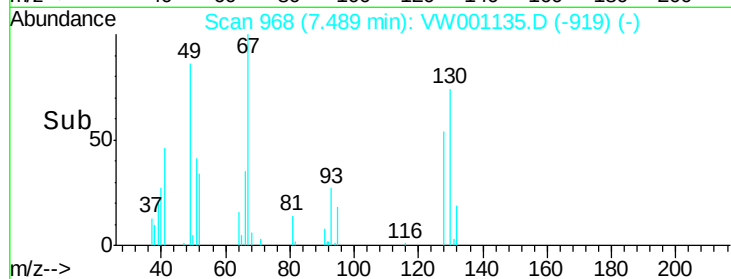
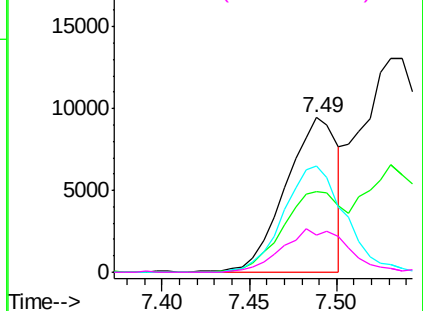
#41
Methacrylonitrile
Concen: 18.85 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

Tgt Ion:	41	Resp:	19512
Ion	Ratio	Lower	Upper
41	100		
39	62.1	48.8	73.2
67	82.1	59.6	89.4
52	35.9	24.6	37.0

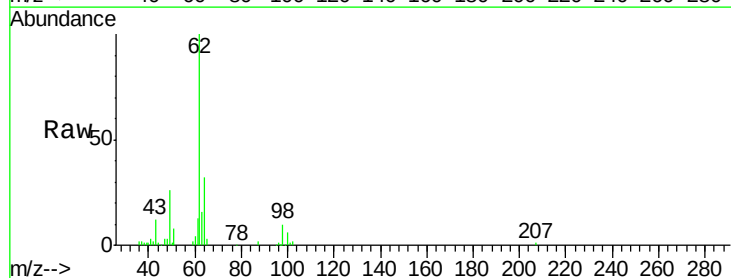


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

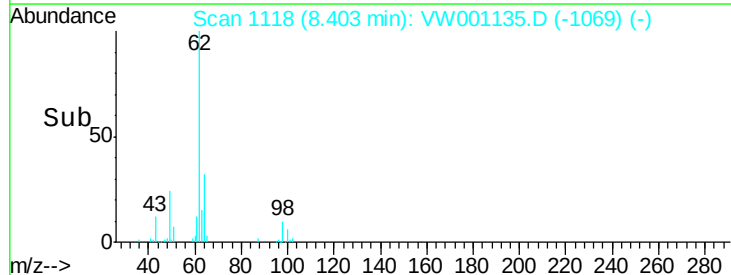
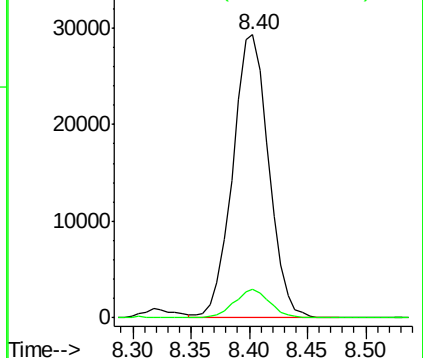


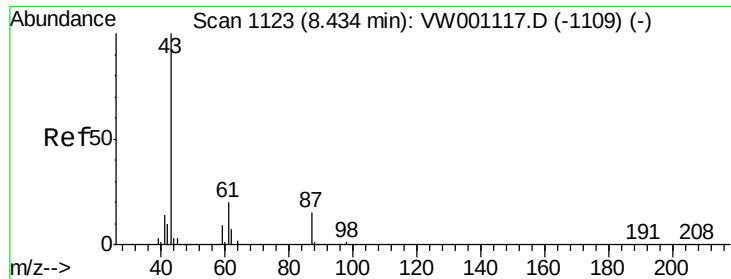
#42
1,2-Dichloroethane
Concen: 20.52 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion:	62	Resp:	63054
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.8



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





#43

Isopropyl Acetate

Concen: 20.66 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

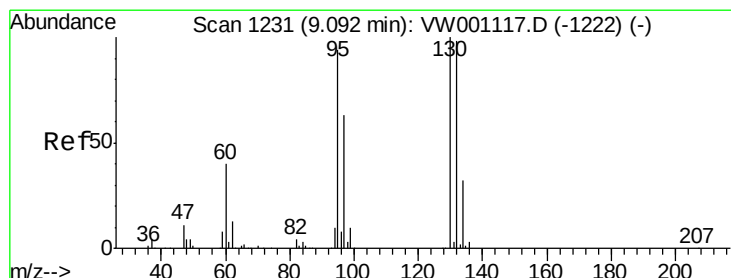
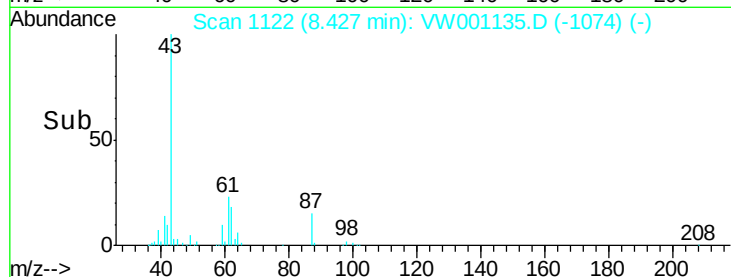
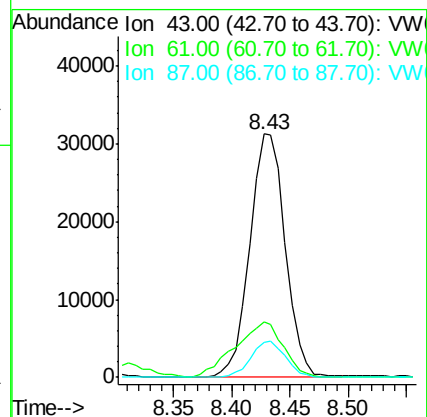
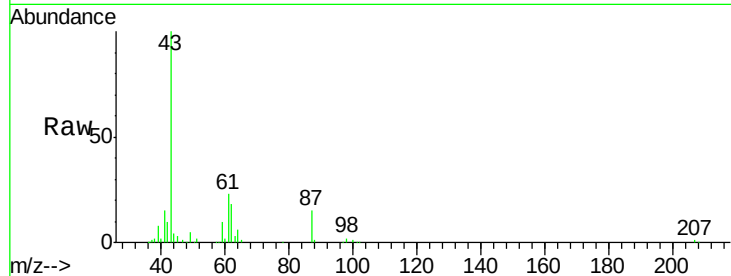
Tgt Ion: 43 Resp: 66325

Ion Ratio Lower Upper

43 100

61 30.9 23.9 35.9

87 14.6 12.0 18.0



#44

Trichloroethene

Concen: 19.66 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW001135.D

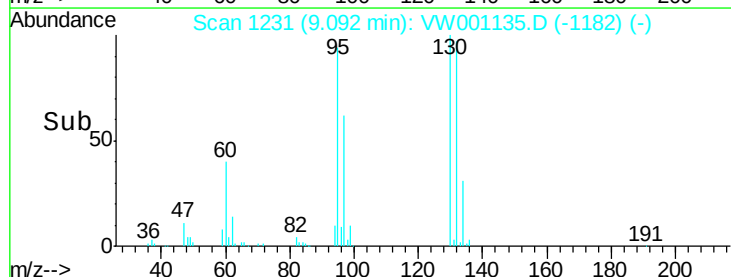
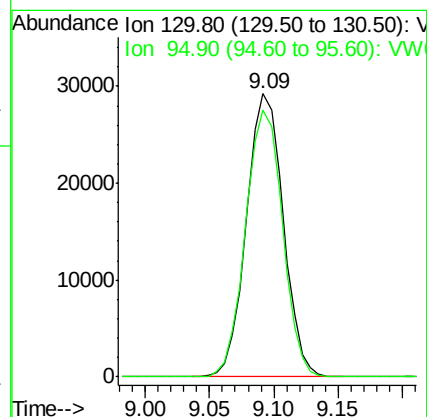
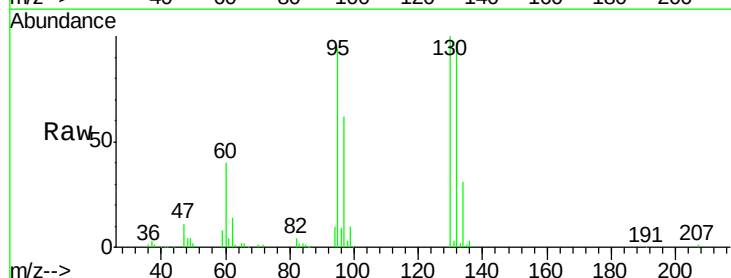
Acq: 29 Jan 2018 22:28

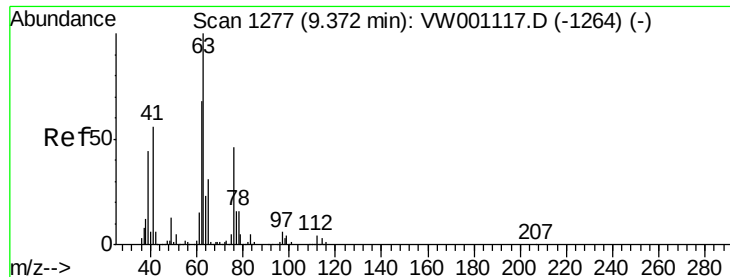
Tgt Ion: 130 Resp: 57700

Ion Ratio Lower Upper

130 100

95 94.2 0.0 189.0

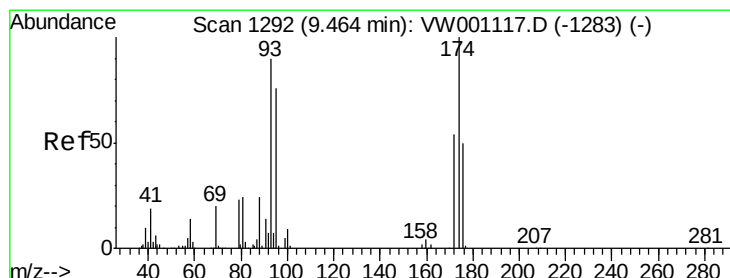
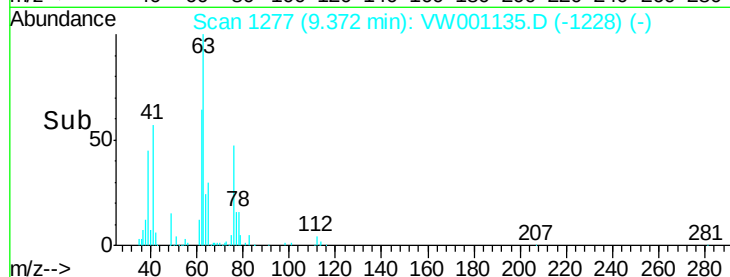
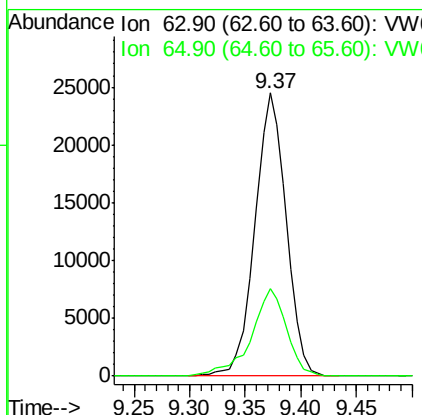
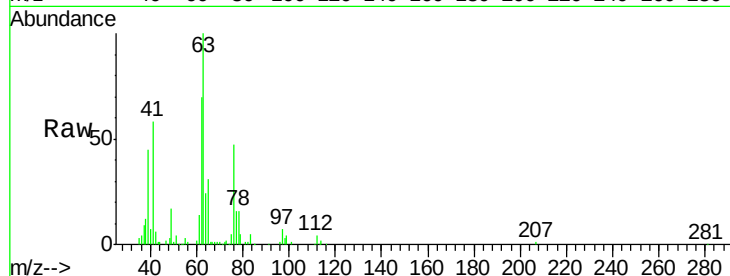




#45
 1,2-Dichloropropane
 Concen: 20.38 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

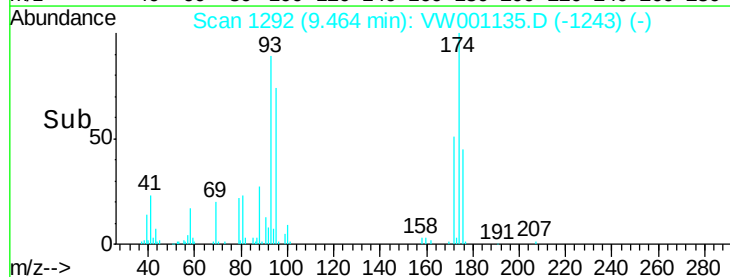
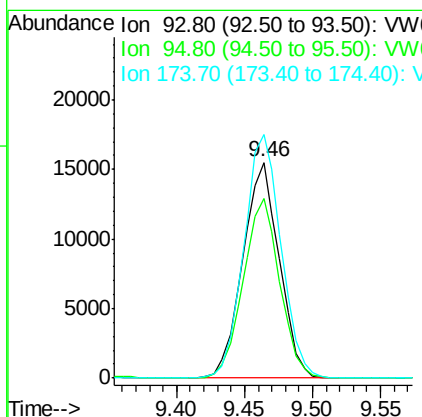
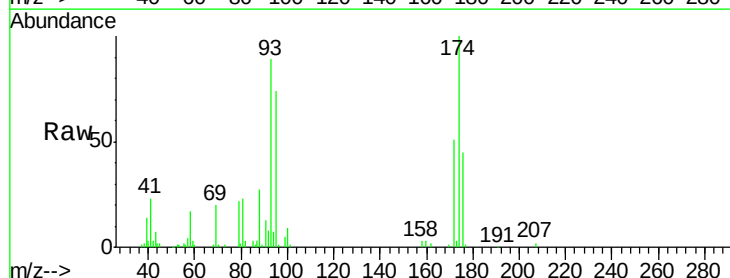
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

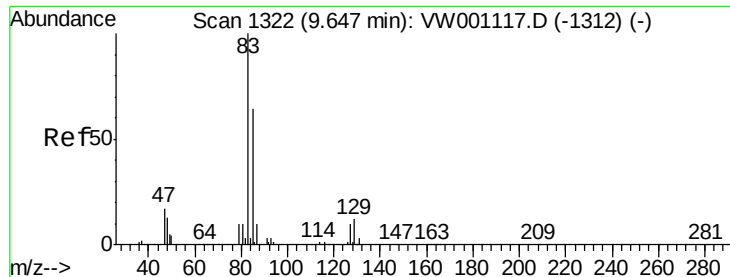
Tgt Ion: 63 Resp: 47965
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 19.75 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 93 Resp: 29065
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 114.8 89.5 134.3

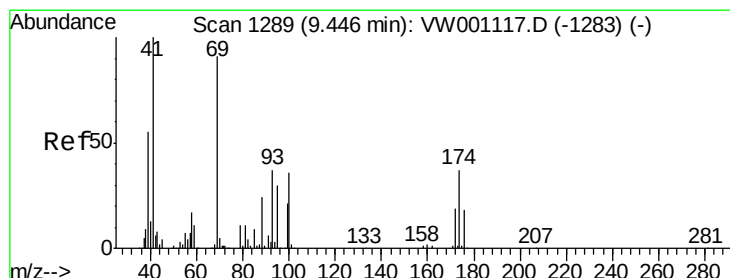
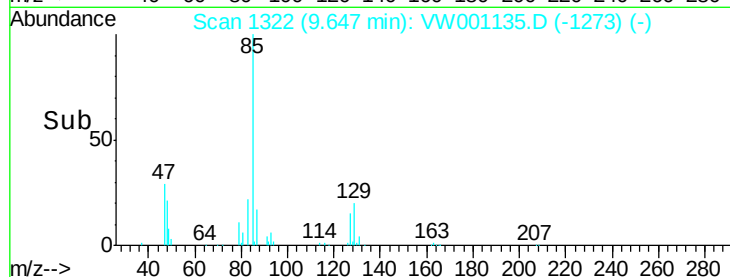
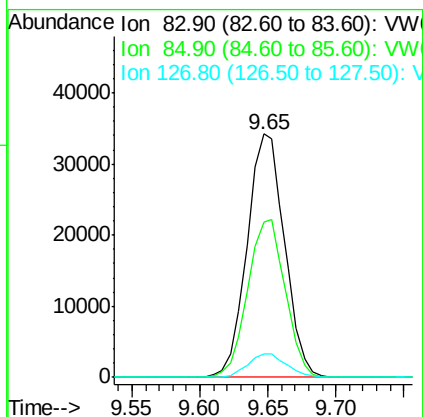
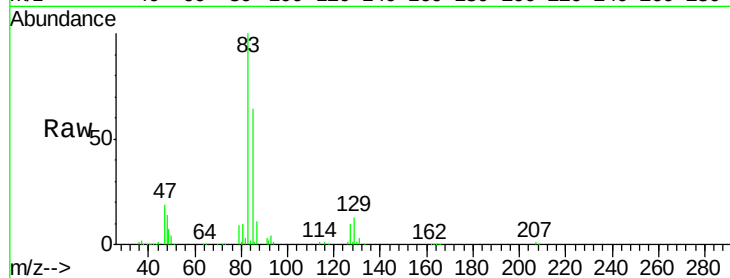




#47
Bromodichloromethane
Concen: 19.78 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

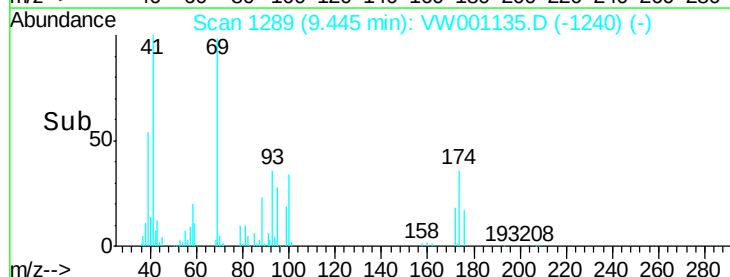
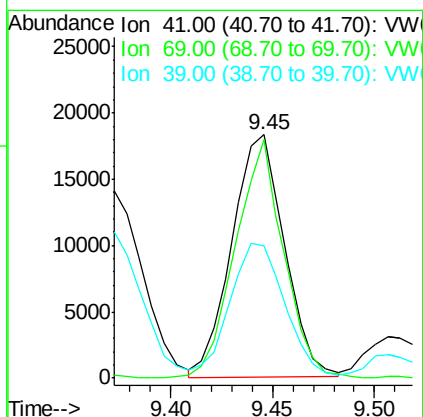
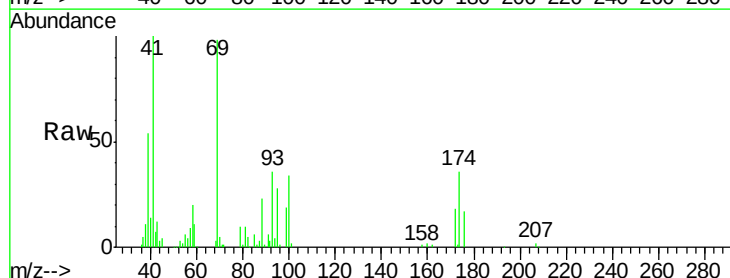
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

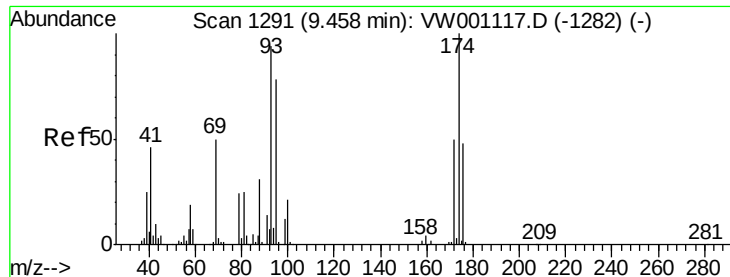
Tgt Ion: 83 Resp: 65876
Ion Ratio Lower Upper
83 100
85 64.0 51.5 77.3
127 9.6 7.6 11.4



#48
Methyl methacrylate
Concen: 21.40 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 41 Resp: 32837
Ion Ratio Lower Upper
41 100
69 90.5 74.9 112.3
39 58.1 47.6 71.4





#49

1,4-Dioxane

Concen: 450.99 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampled :

VW0129SBS01

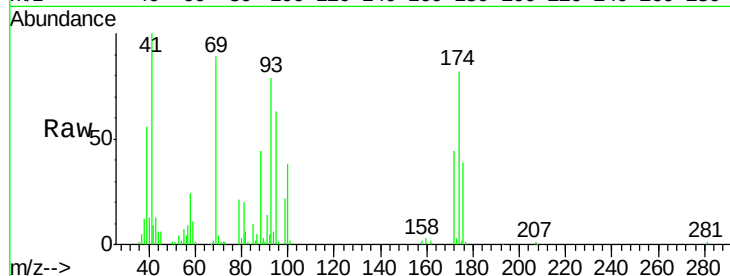
Tgt Ion: 88 Resp: 11827

Ion Ratio Lower Upper

88 100

43 33.2 23.0 34.6

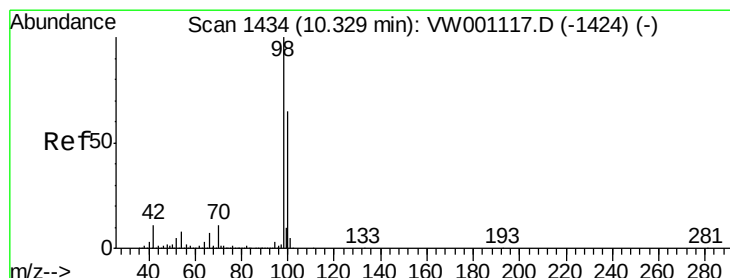
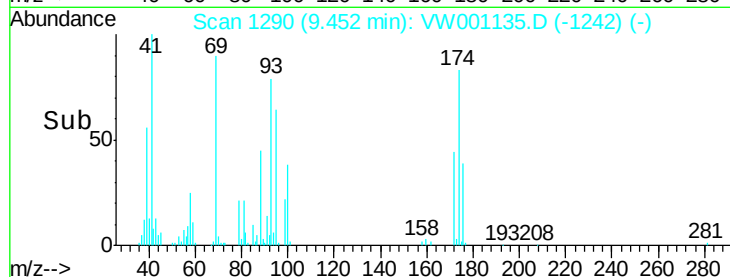
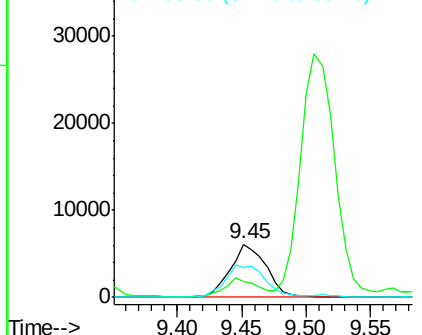
58 68.9 53.9 80.9



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.26 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001135.D

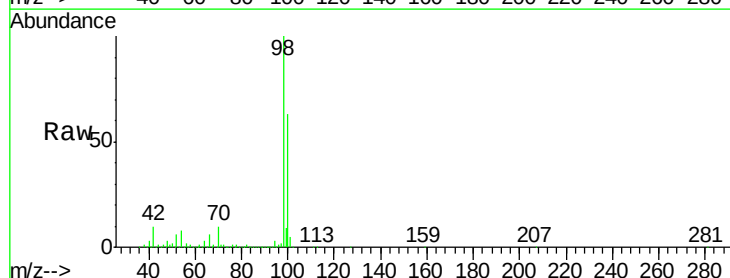
Acq: 29 Jan 2018 22:28

Tgt Ion: 98 Resp: 522304

Ion Ratio Lower Upper

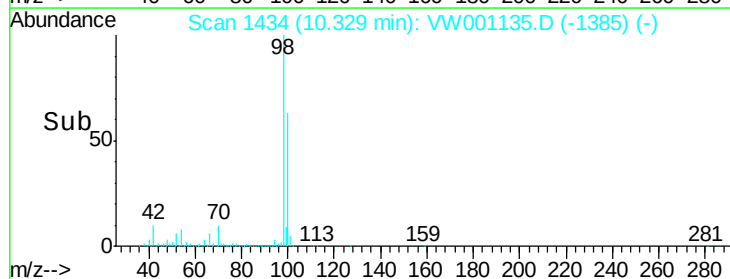
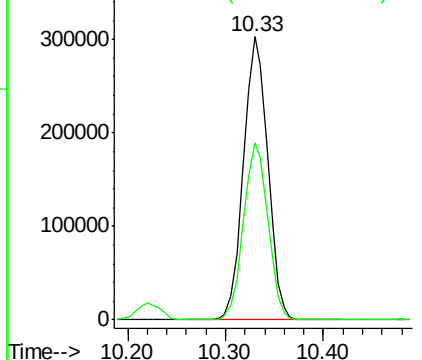
98 100

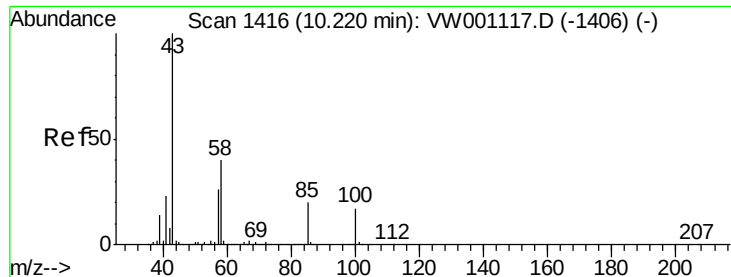
100 63.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

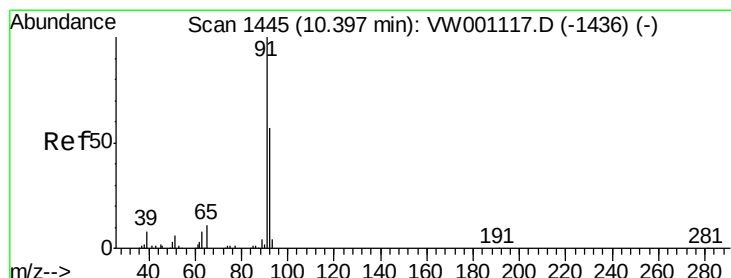
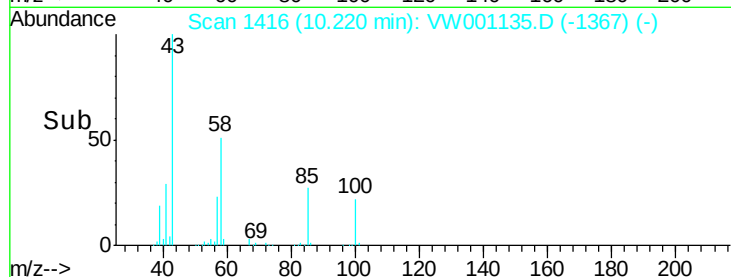
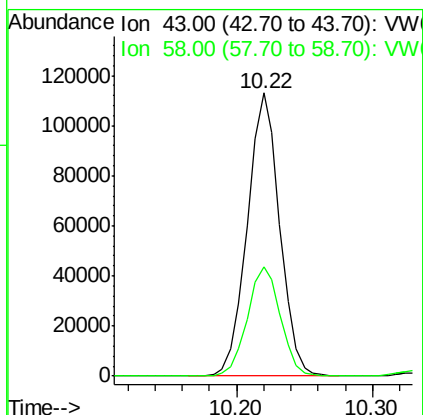
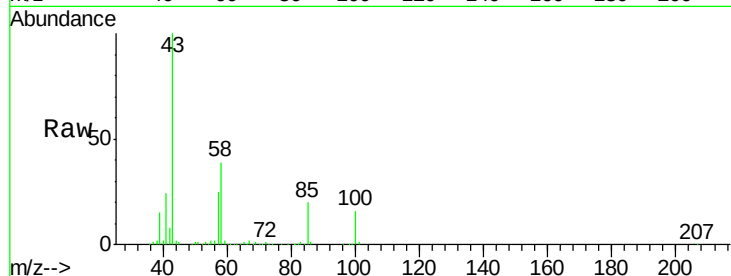




#51
 4-Methyl-2-Pentanone
 Concen: 107.71 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

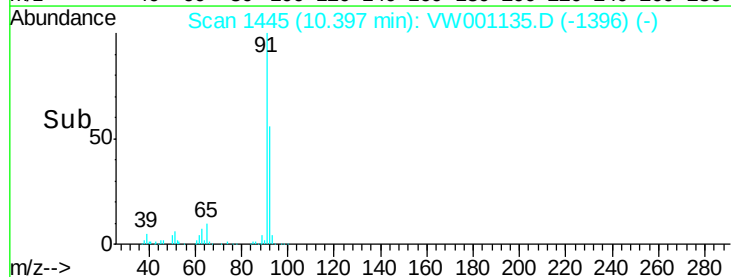
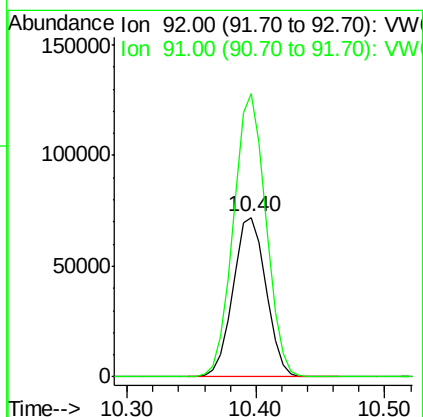
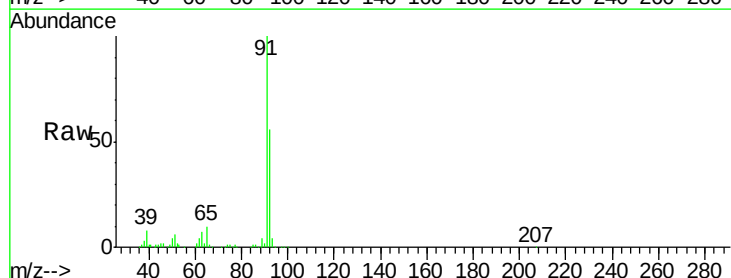
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

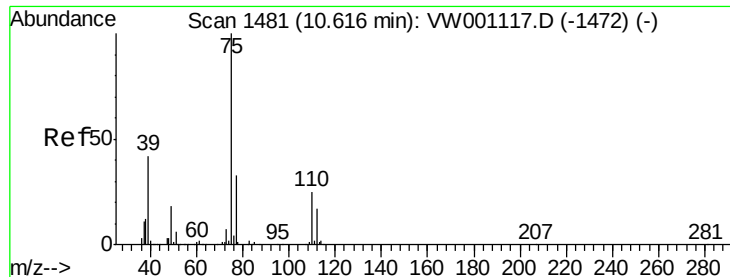
Tgt Ion: 43 Resp: 188953
 Ion Ratio Lower Upper
 43 100
 58 39.4 32.1 48.1



#52
 Toluene
 Concen: 20.41 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 92 Resp: 128110
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

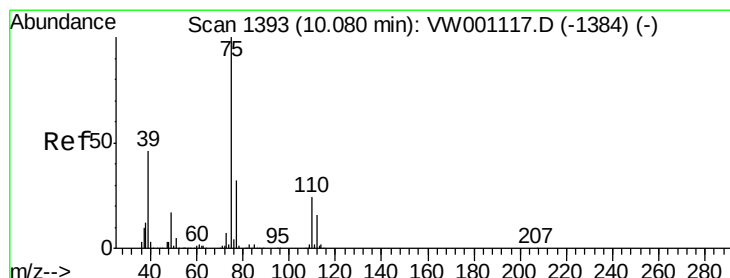
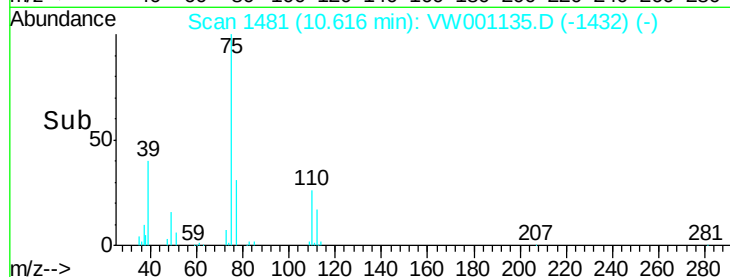
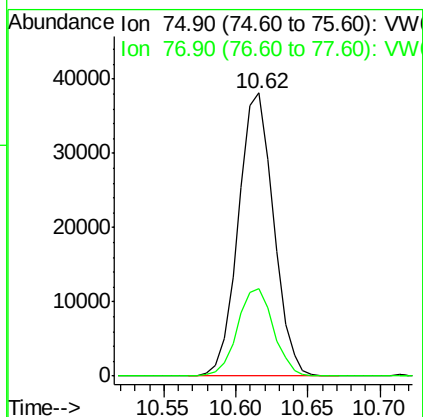
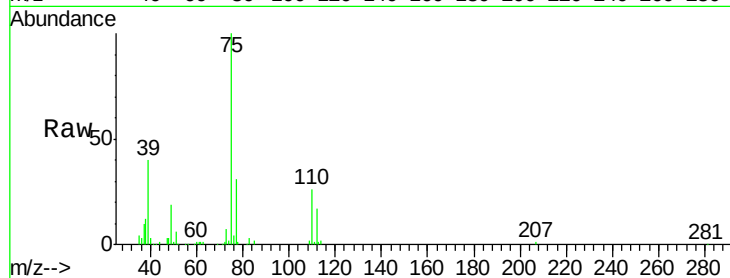
VW0129SBSD01

Tgt Ion: 75 Resp: 64730

Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

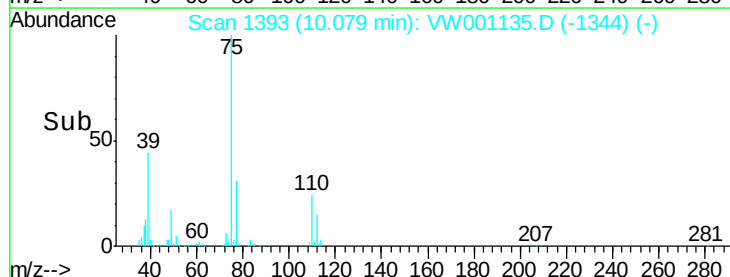
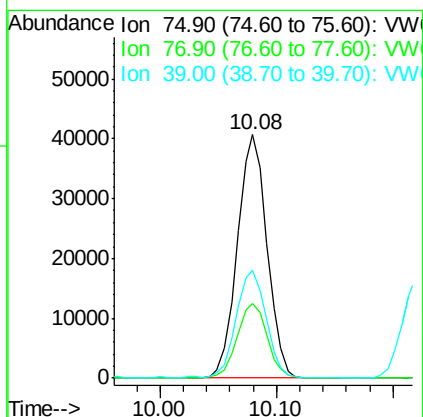
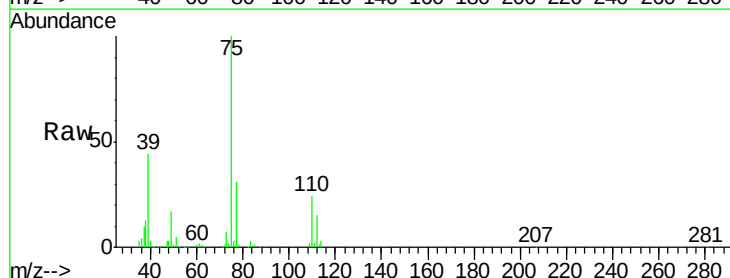
Tgt Ion: 75 Resp: 72207

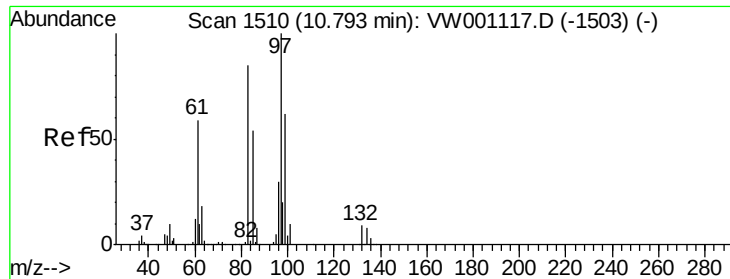
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 44.1 37.0 55.4

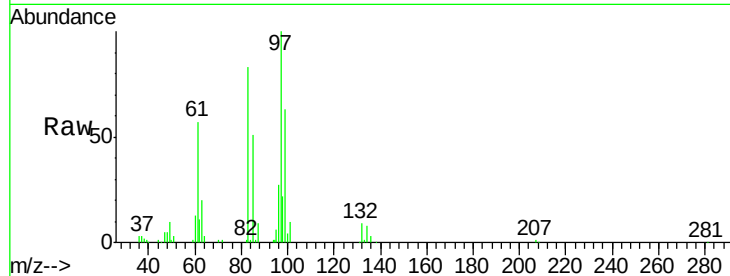




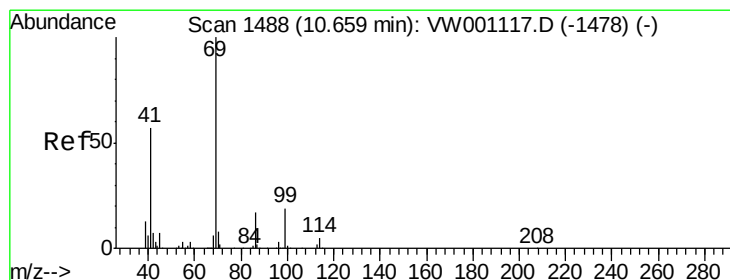
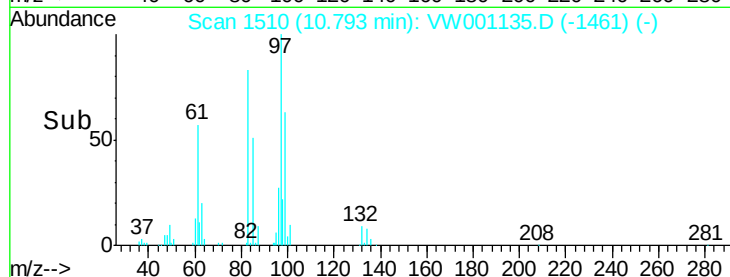
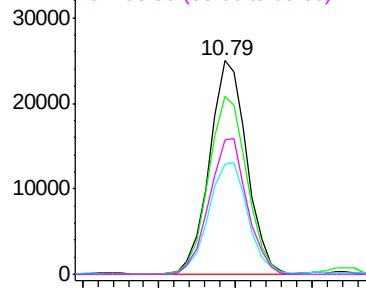
#55
 1,1,2-Trichloroethane
 Concen: 20.22 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tgt Ion:	97	Resp:	42427
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	51.3	43.0	64.6
99	62.7	49.9	74.9

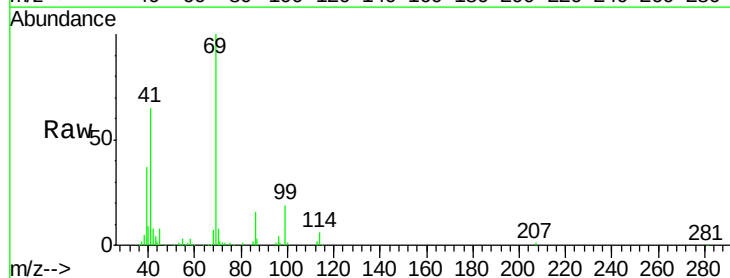


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

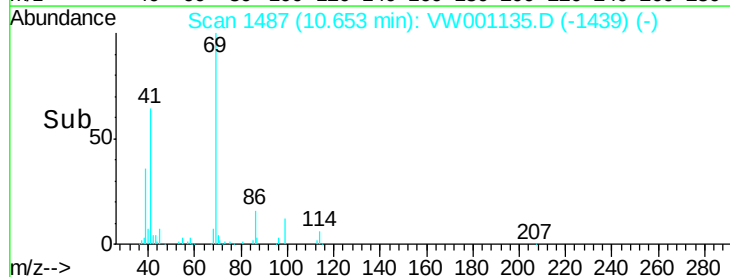
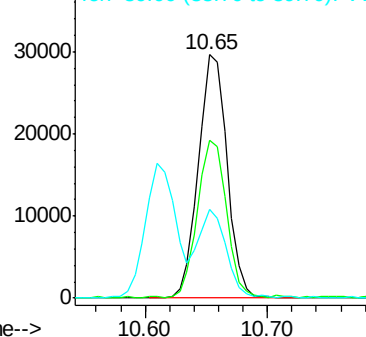


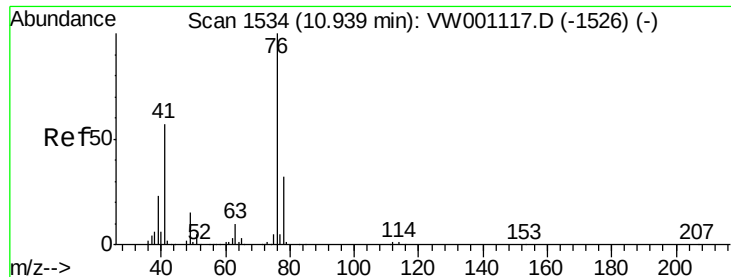
#56
 Ethyl methacrylate
 Concen: 19.63 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion:	69	Resp:	48292
Ion	Ratio	Lower	Upper
69	100		
41	64.9	50.6	75.8
39	35.3	27.5	41.3



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

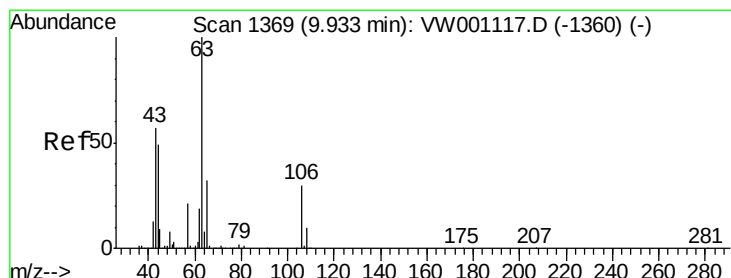
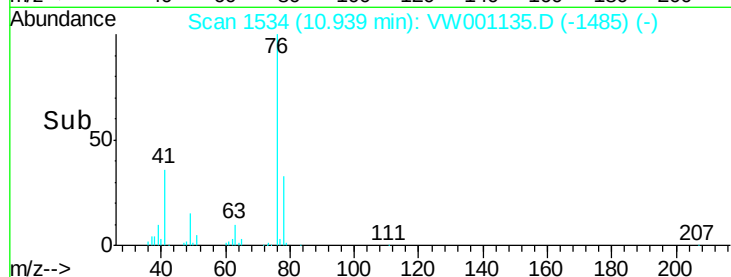
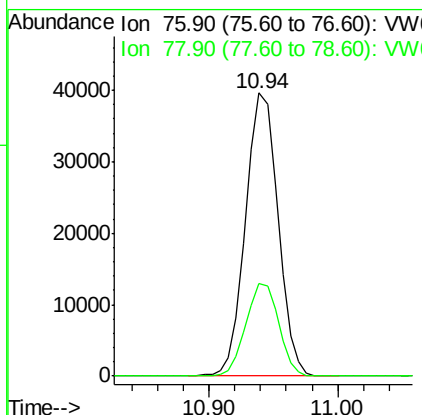
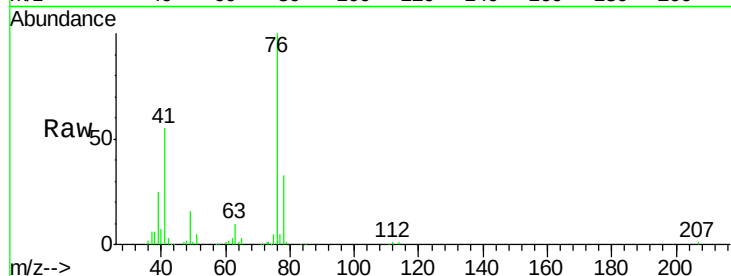




#57
 1,3-Dichloropropane
 Concen: 20.28 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

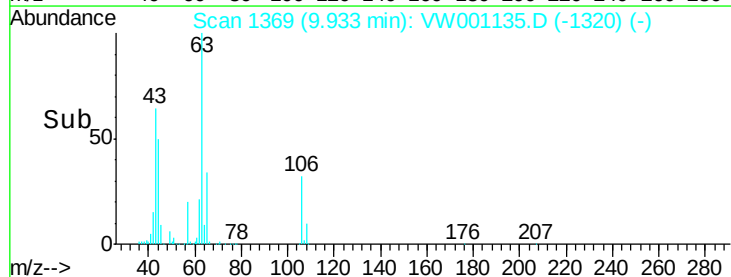
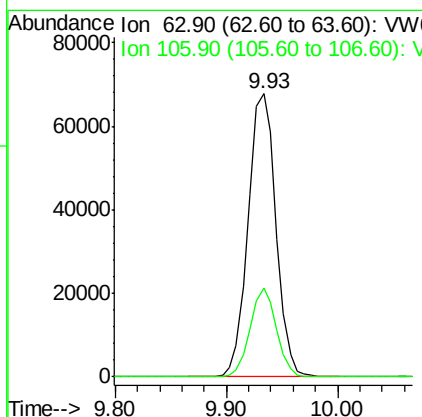
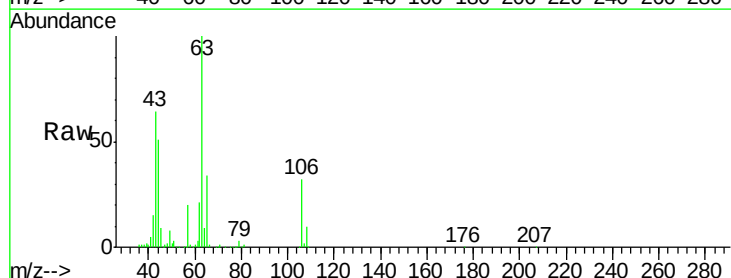
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

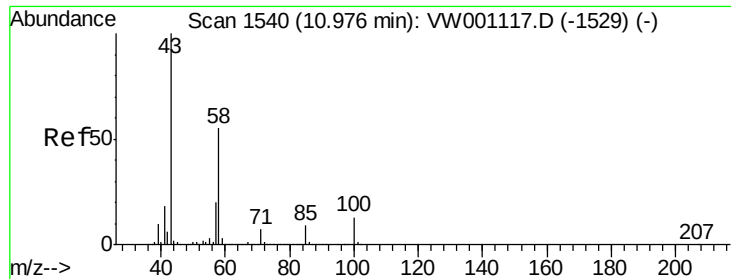
Tgt Ion: 76 Resp: 69180
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.94 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 63 Resp: 118212
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.2 36.4

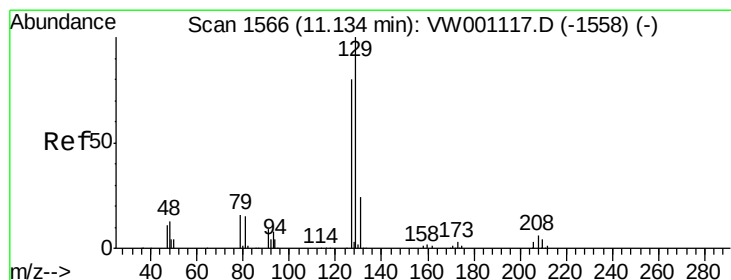
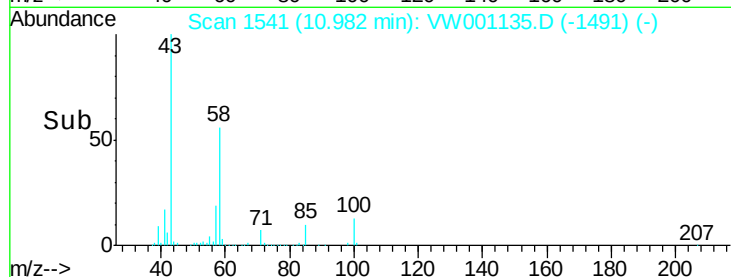
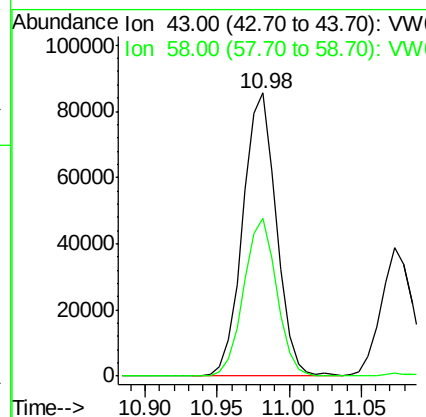
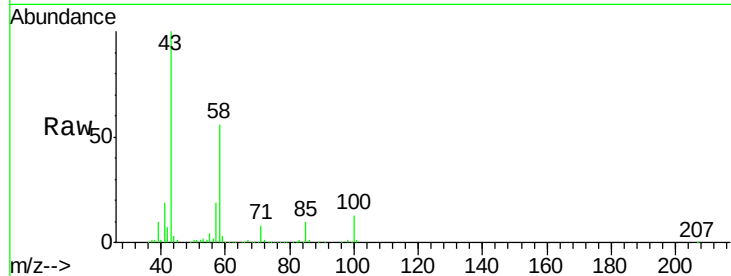




#59
2-Hexanone
Concen: 104.11 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

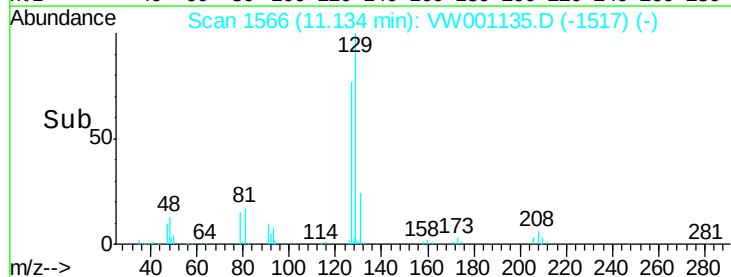
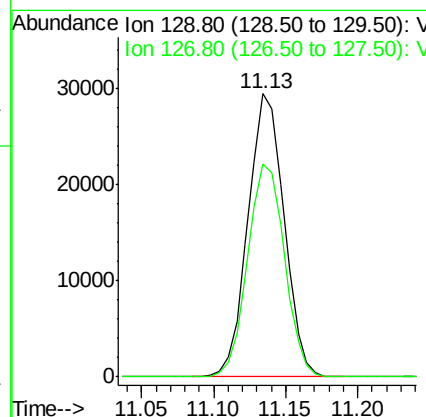
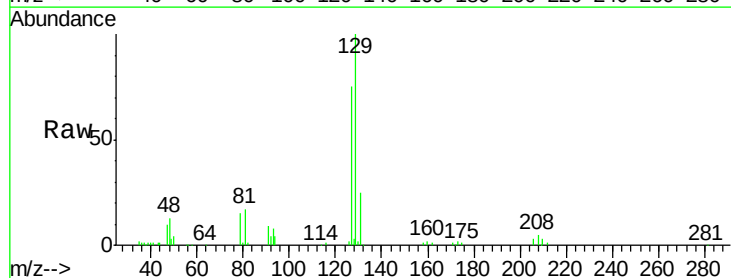
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

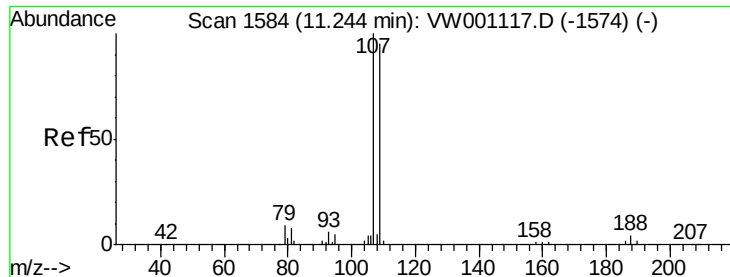
Tgt Ion: 43 Resp: 138161
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.0



#60
Dibromochloromethane
Concen: 19.95 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 129 Resp: 50991
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.38 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

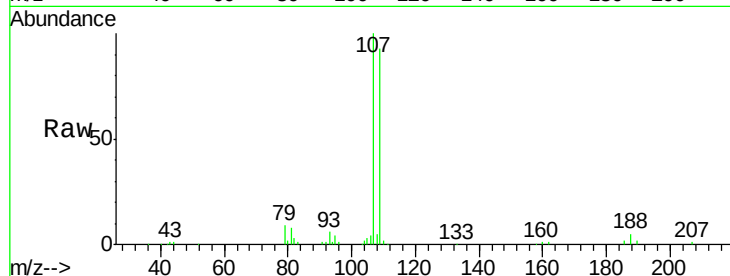
VW0129SBSD01

Tgt Ion: 107 Resp: 43122

Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

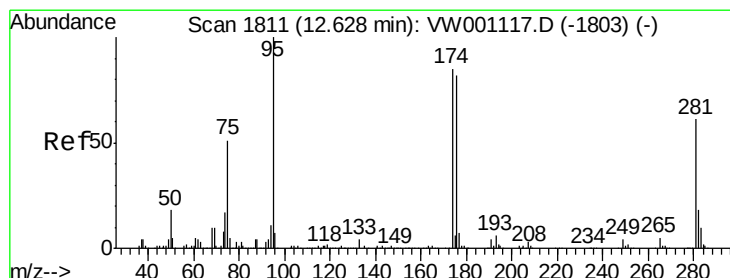
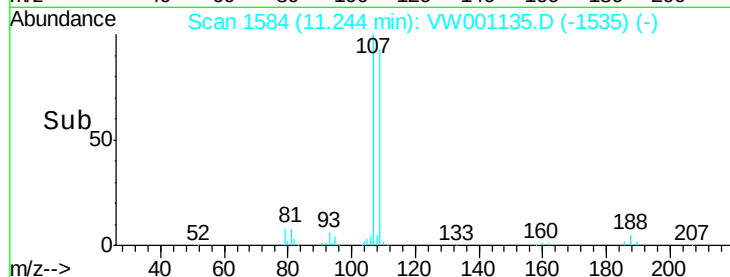
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.84 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

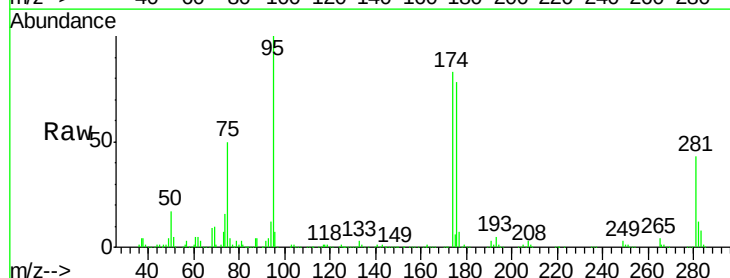
Tgt Ion: 95 Resp: 190973

Ion Ratio Lower Upper

95 100

174 88.0 0.0 179.6

176 85.7 0.0 174.4



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

12.63

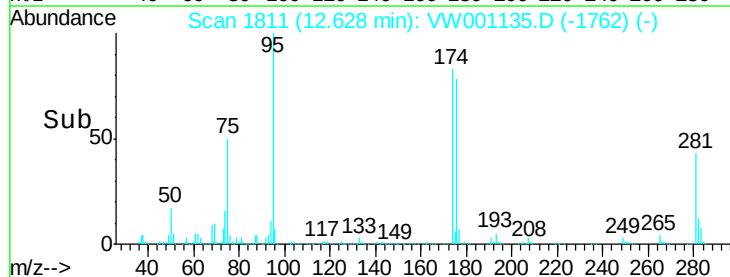
150000

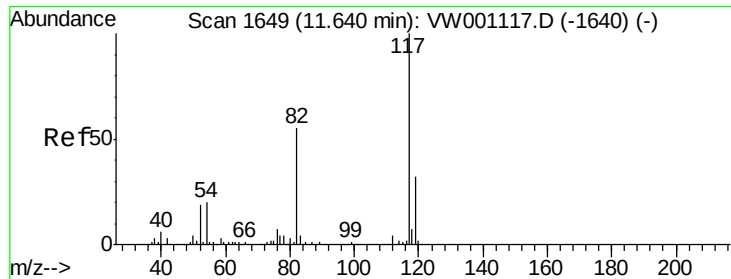
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

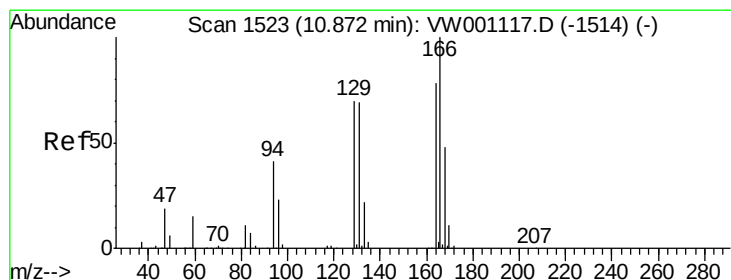
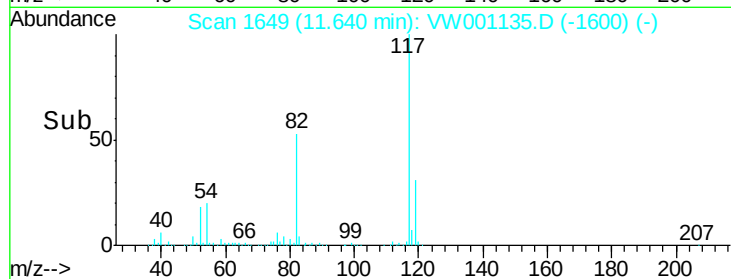
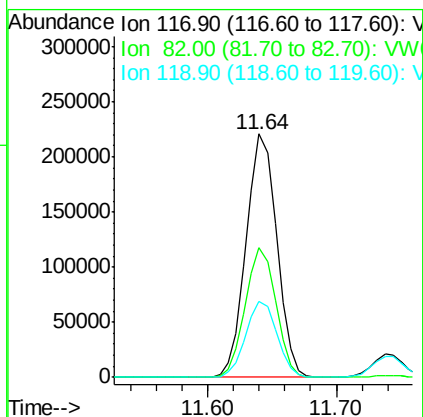
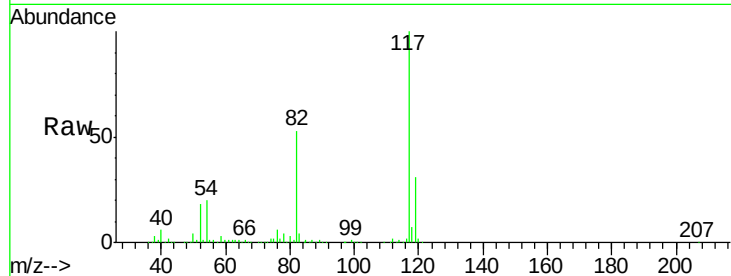




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

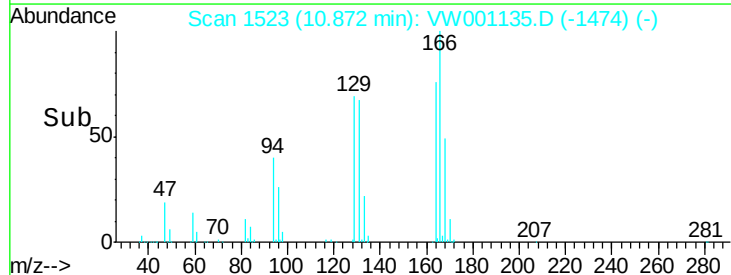
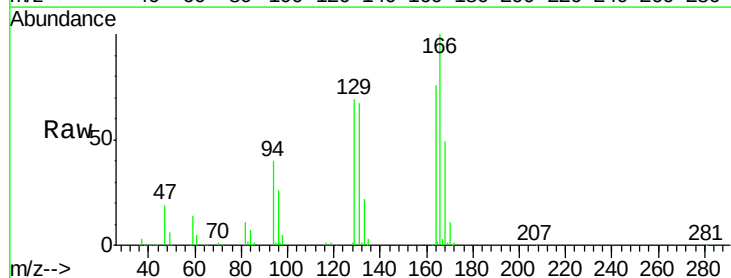
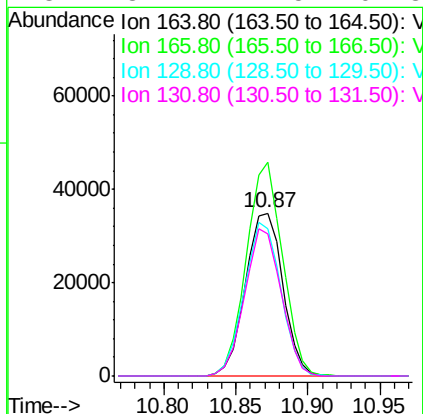
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

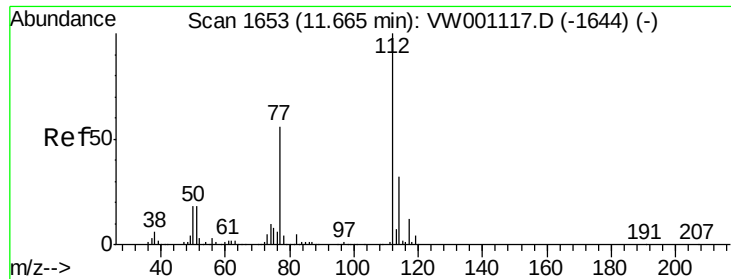
Tgt Ion:117 Resp: 364310
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.8
119 31.2 25.8 38.8



#64
Tetrachloroethene
Concen: 21.41 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion:164 Resp: 62706
Ion Ratio Lower Upper
164 100
166 131.3 103.1 154.7
129 90.5 72.3 108.5
131 87.4 71.5 107.3

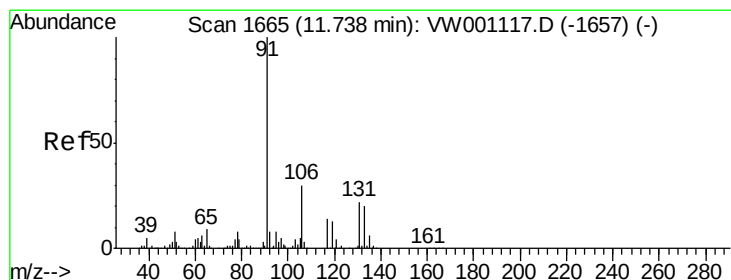
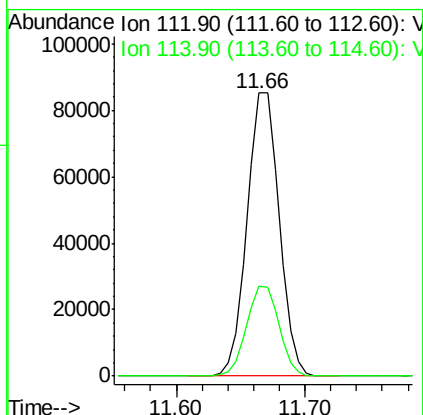
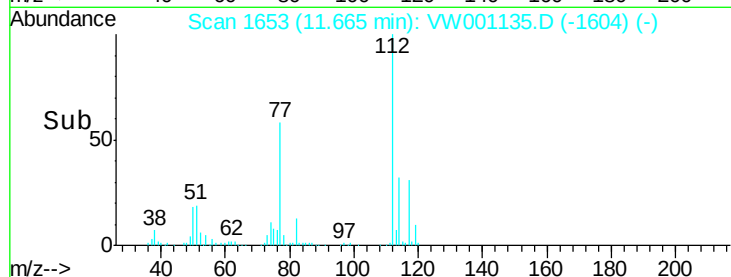
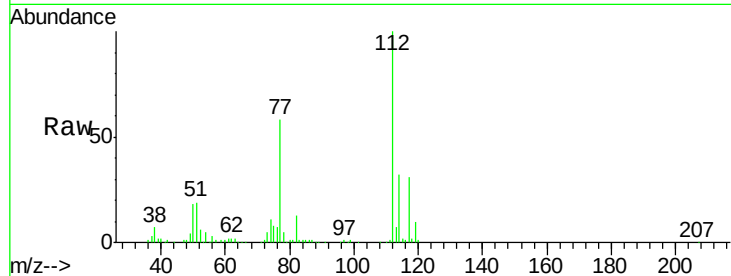




#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

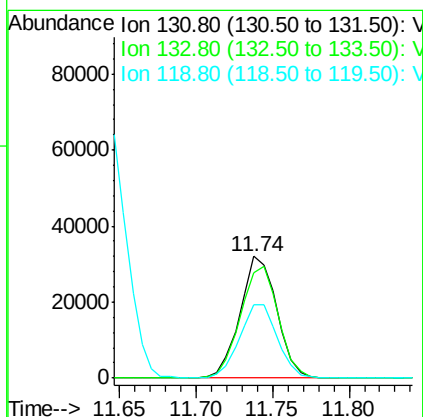
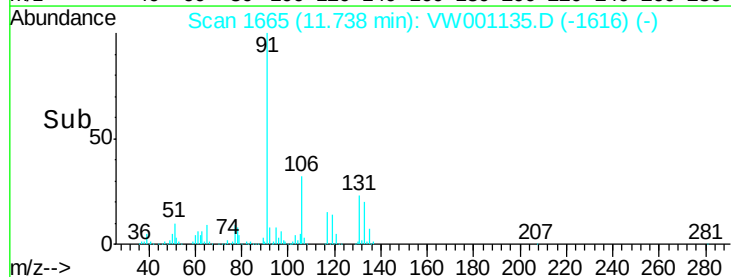
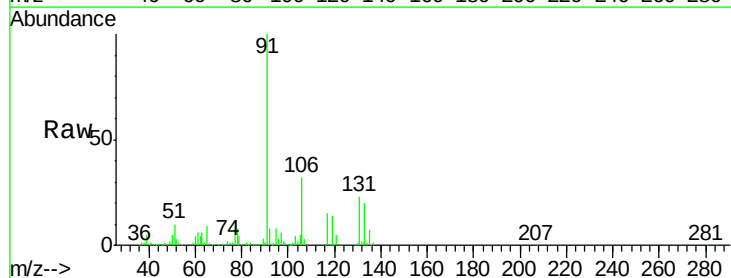
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

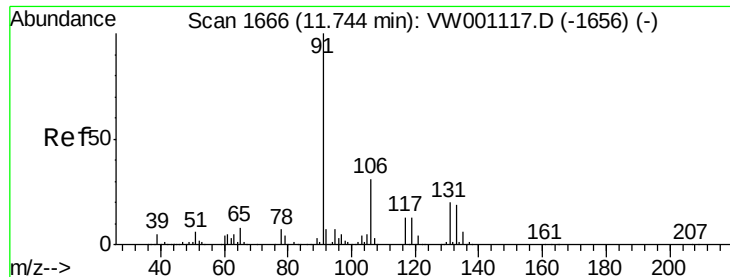
Tgt Ion:112 Resp: 146416
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.87 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion:131 Resp: 53311
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 62.6 31.5 94.5

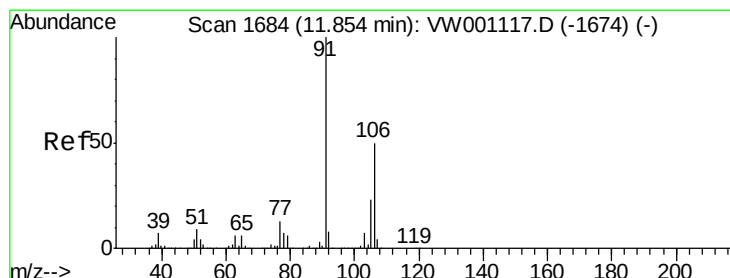
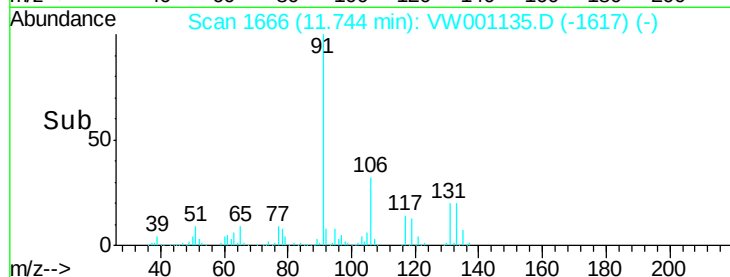
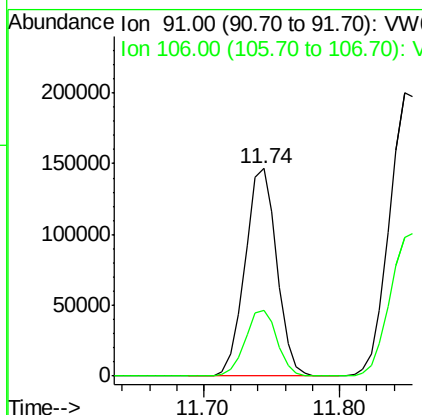
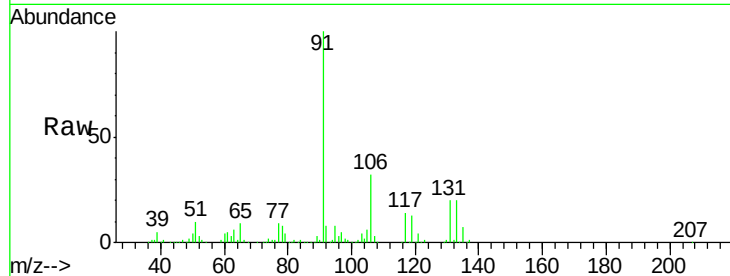




#67
Ethyl Benzene
Concen: 19.58 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

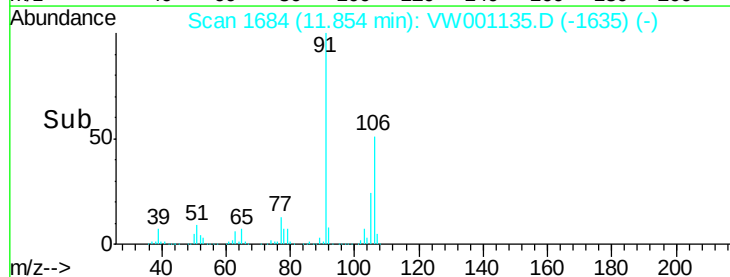
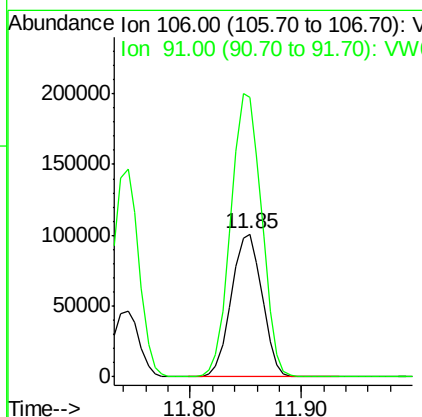
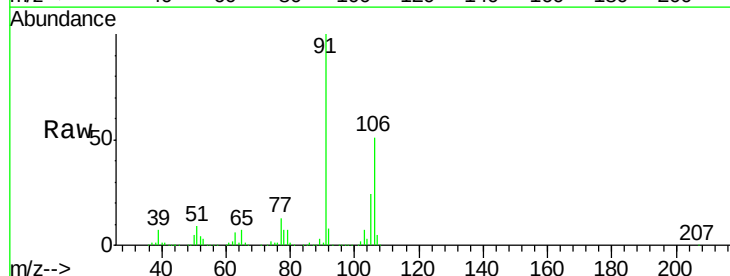
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBSD01

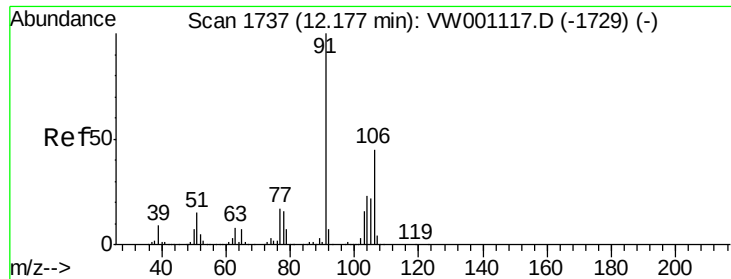
Tgt Ion: 91 Resp: 240118
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8



#68
m/p-Xylenes
Concen: 40.38 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion: 106 Resp: 192956
Ion Ratio Lower Upper
106 100
91 199.2 163.1 244.7

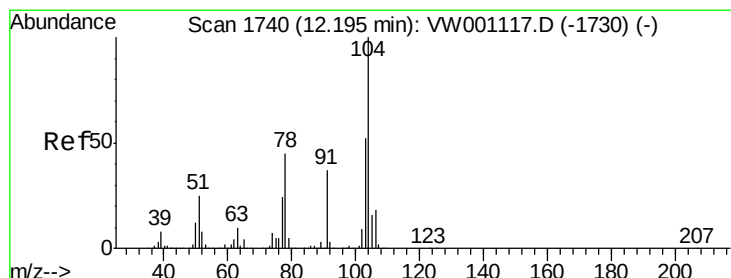
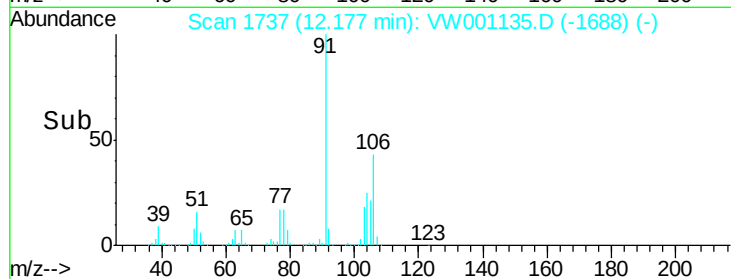
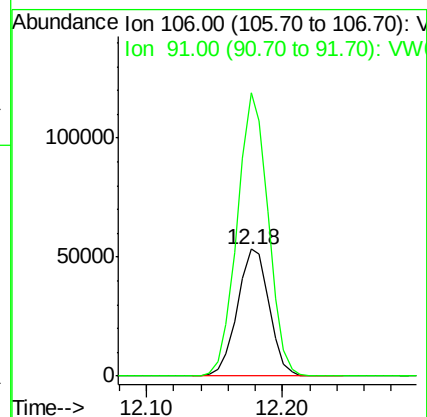
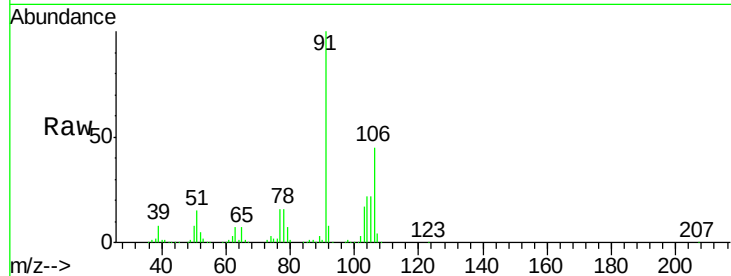




#69
o-Xylene
Concen: 19.66 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

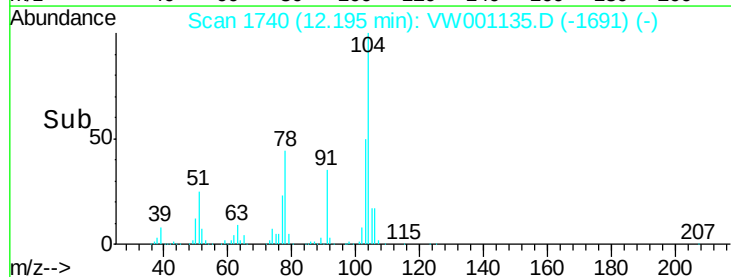
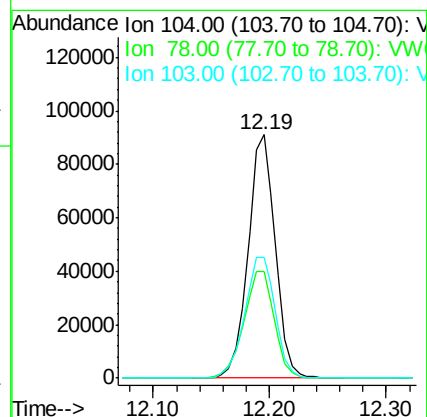
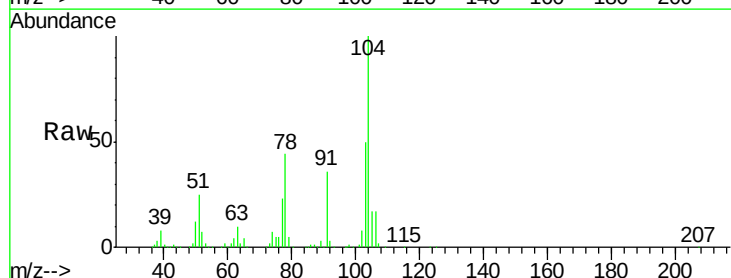
Instrument :
MSVOA_W
ClientSampled :
VW0129SBSD01

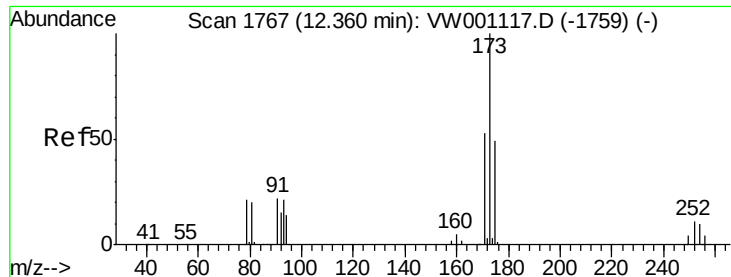
Tgt Ion:106 Resp: 86619
Ion Ratio Lower Upper
106 100
91 218.3 107.6 322.8



#70
Styrene
Concen: 20.38 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001135.D
Acq: 29 Jan 2018 22:28

Tgt Ion:104 Resp: 147585
Ion Ratio Lower Upper
104 100
78 49.4 39.9 59.9
103 56.2 44.7 67.1





#71

Bromoform

Concen: 20.38 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

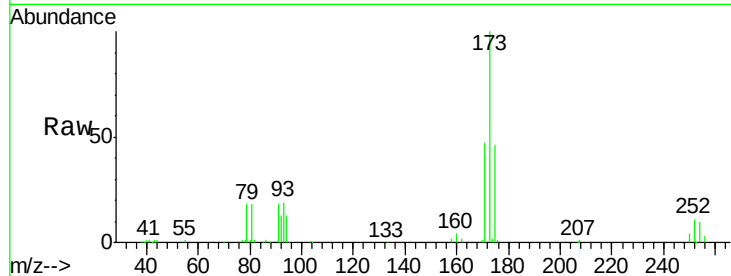
Tgt Ion:173 Resp: 35325

Ion Ratio Lower Upper

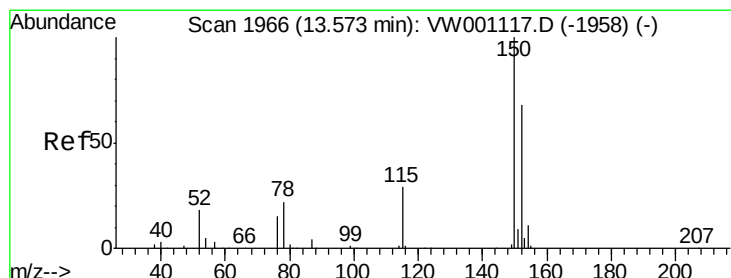
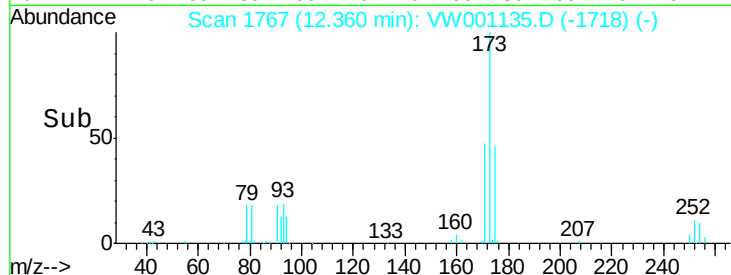
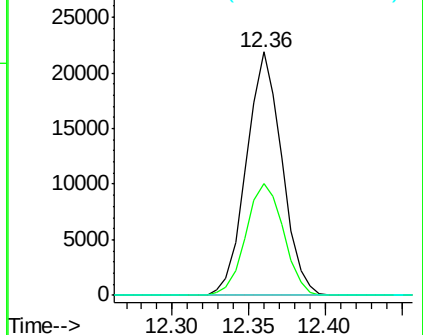
173 100

175 48.5 24.9 74.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

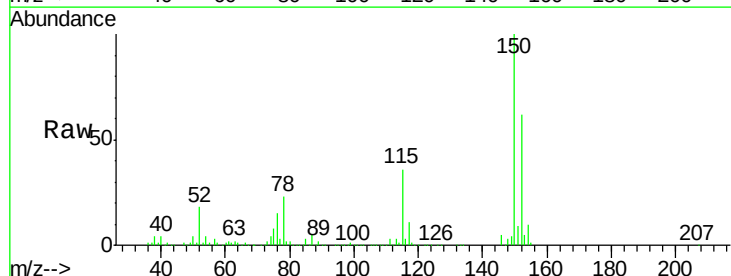
Tgt Ion:152 Resp: 201412

Ion Ratio Lower Upper

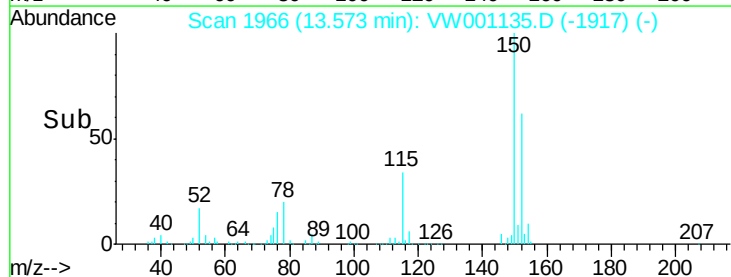
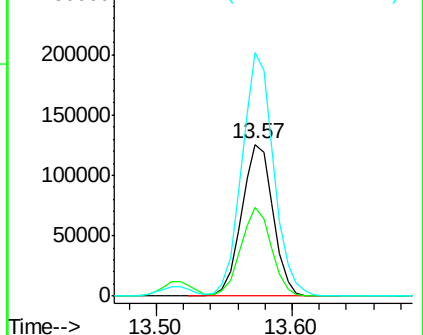
152 100

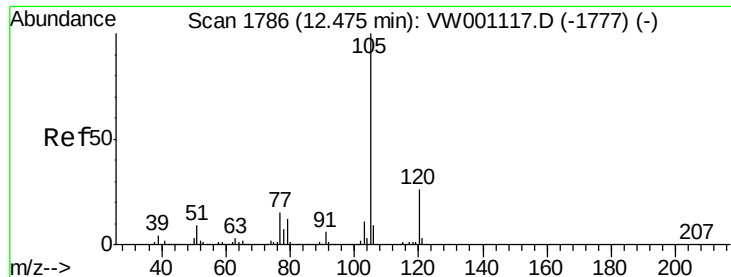
115 56.8 28.4 85.3

150 162.9 0.0 342.4



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





#73

Isopropylbenzene

Concen: 19.55 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

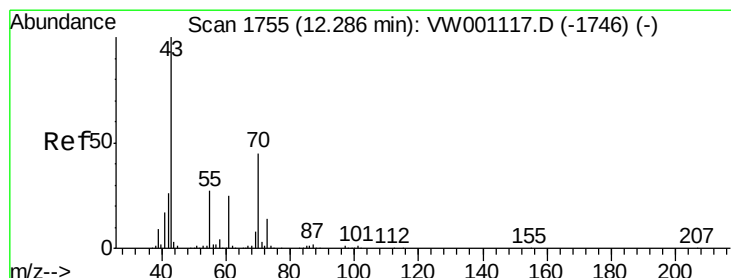
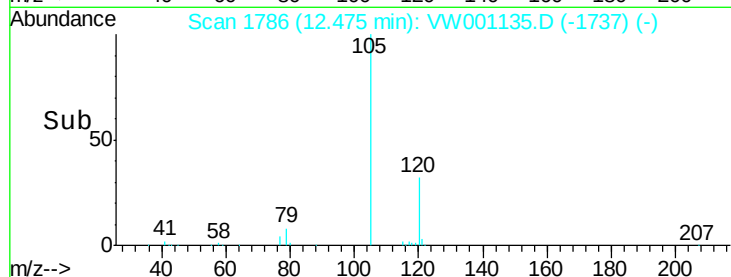
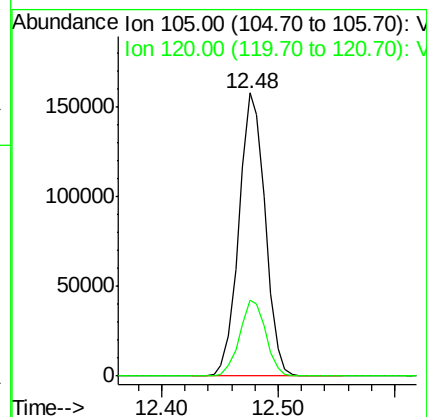
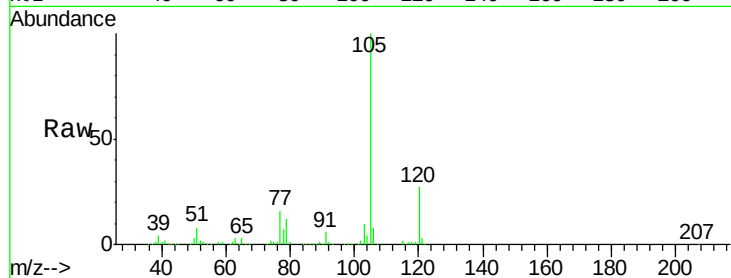
VW0129SBSD01

Tgt Ion:105 Resp: 246691

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 20.52 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Tgt Ion: 43 Resp: 59131

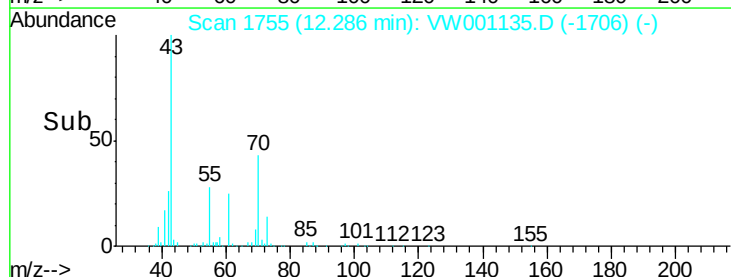
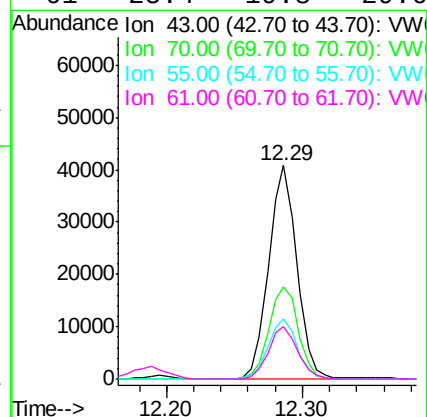
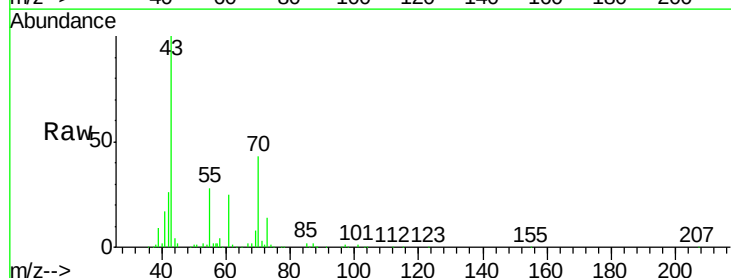
Ion Ratio Lower Upper

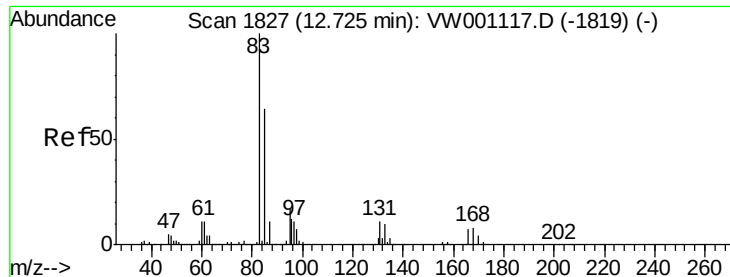
43 100

70 45.3 36.0 54.0

55 29.3 21.7 32.5

61 25.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

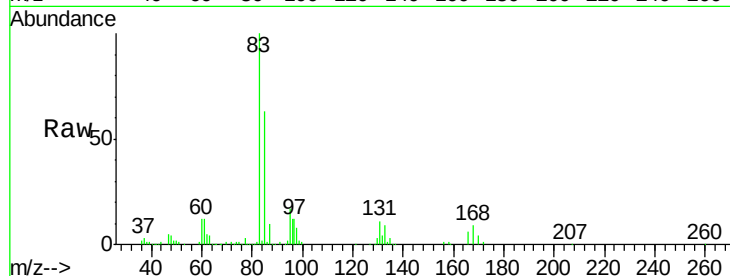
Tgt Ion: 83 Resp: 52577

Ion Ratio Lower Upper

83 100

131 12.1 5.8 17.4

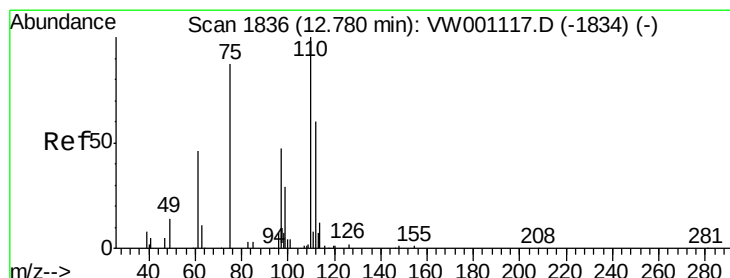
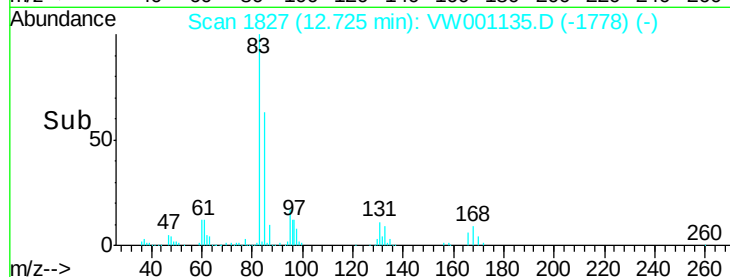
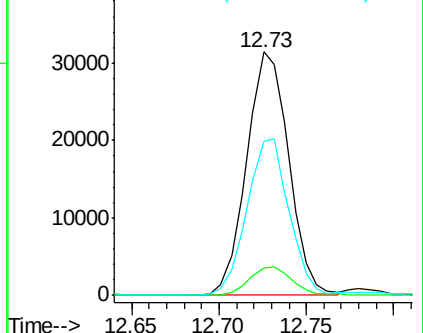
85 64.5 32.3 96.9



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: 34.48 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW001135.D

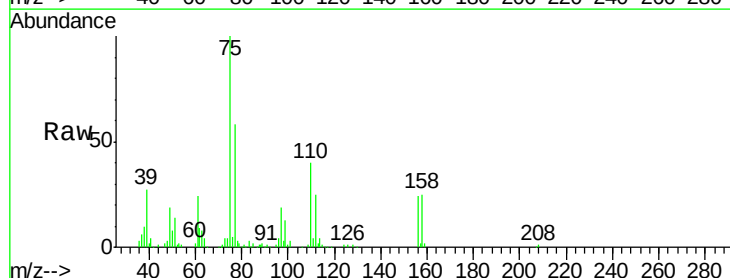
Acq: 29 Jan 2018 22:28

Tgt Ion: 75 Resp: 70385

Ion Ratio Lower Upper

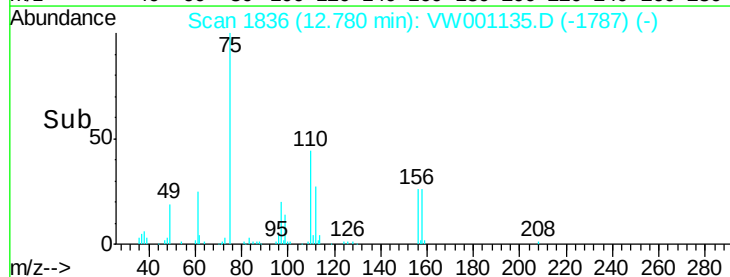
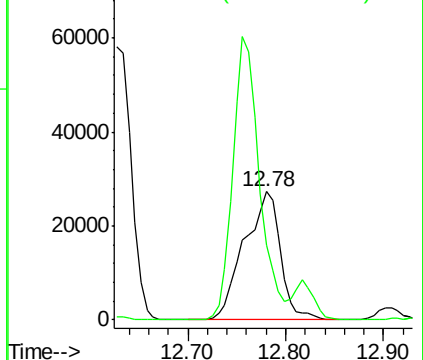
75 100

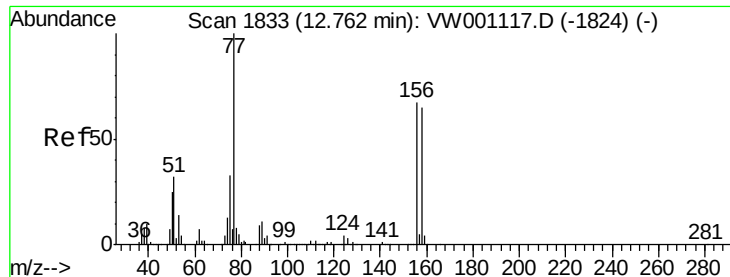
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

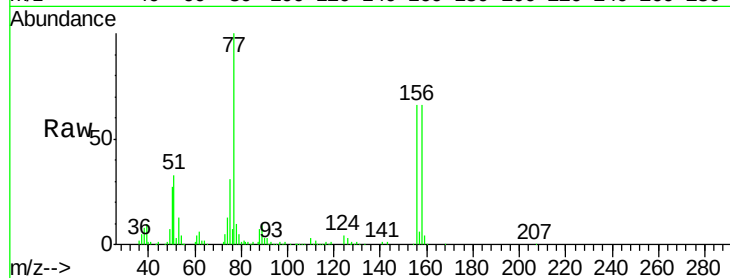
Tgt Ion:156 Resp: 65249

Ion Ratio Lower Upper

156 100

77 173.9 85.3 255.8

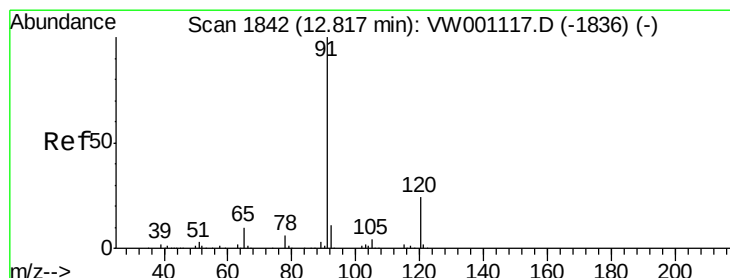
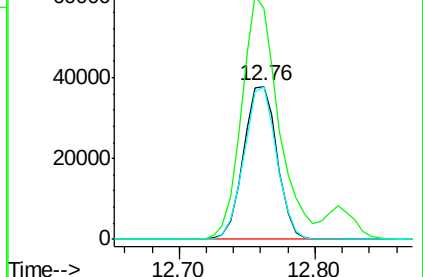
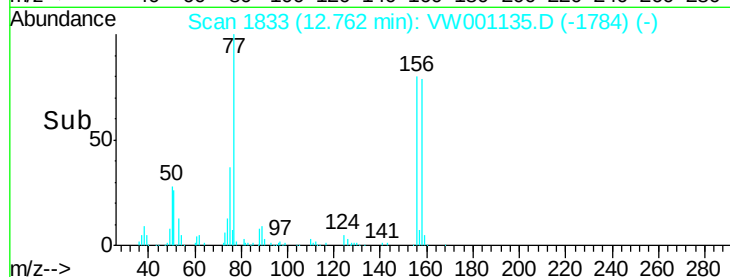
158 97.3 48.9 146.7



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: 19.61 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW001135.D

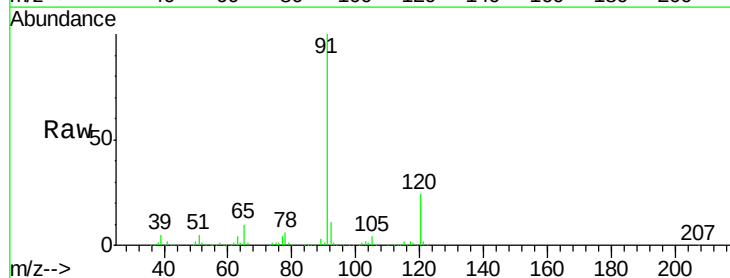
Acq: 29 Jan 2018 22:28

Tgt Ion: 91 Resp: 296218

Ion Ratio Lower Upper

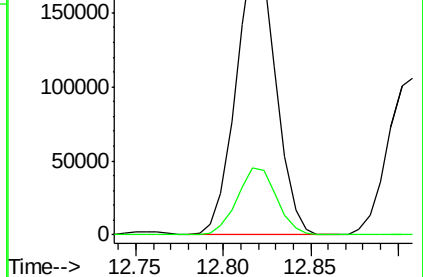
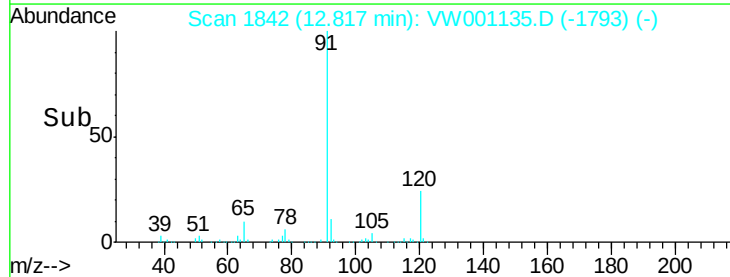
91 100

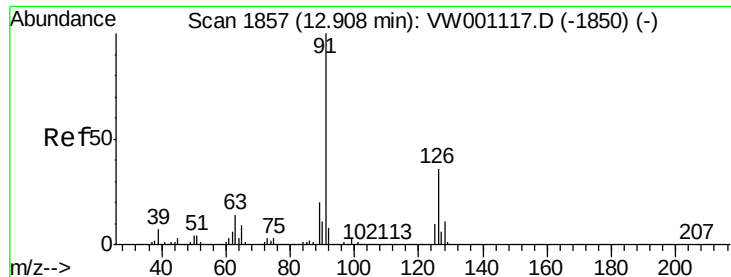
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.86 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

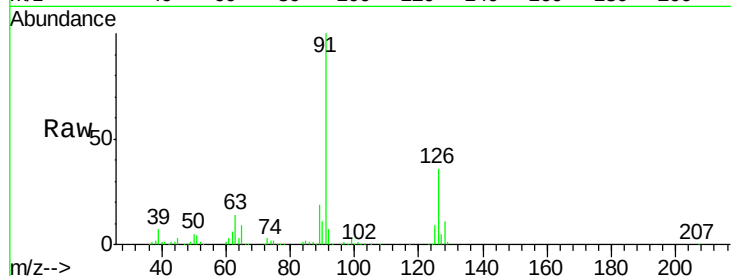
VW0129SBSD01

Tgt Ion: 91 Resp: 171634

Ion Ratio Lower Upper

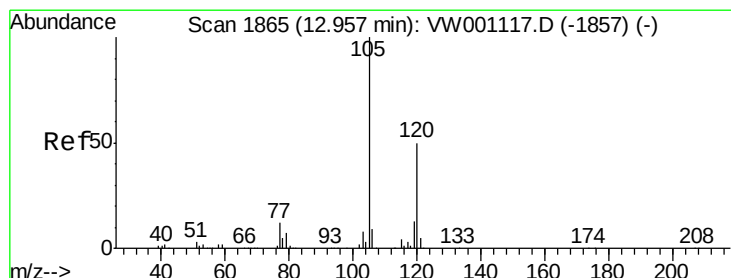
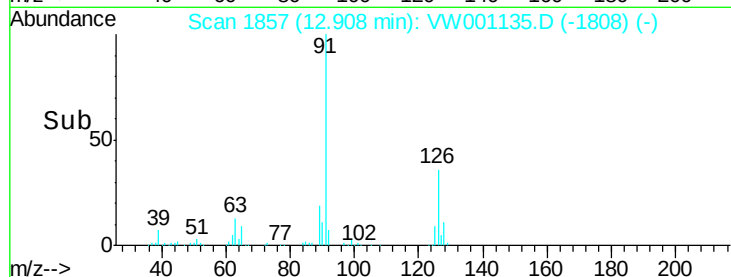
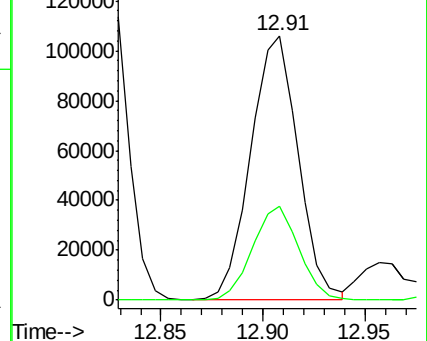
91 100

126 34.9 17.5 52.6



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: 19.87 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW001135.D

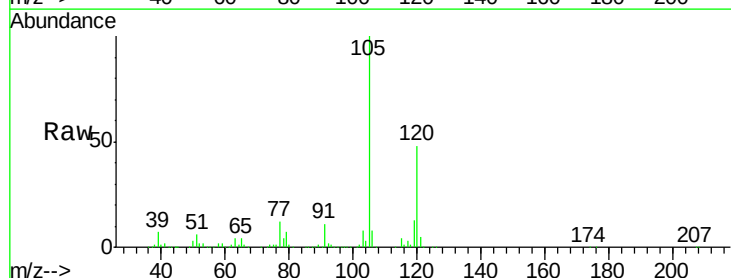
Acq: 29 Jan 2018 22:28

Tgt Ion: 105 Resp: 214344

Ion Ratio Lower Upper

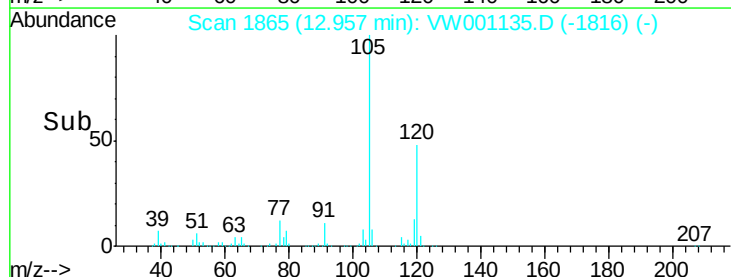
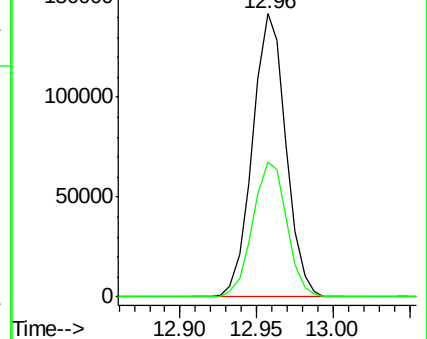
105 100

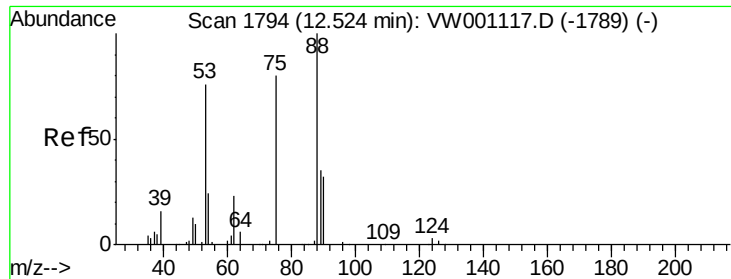
120 48.8 24.9 74.7



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: 15.62 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

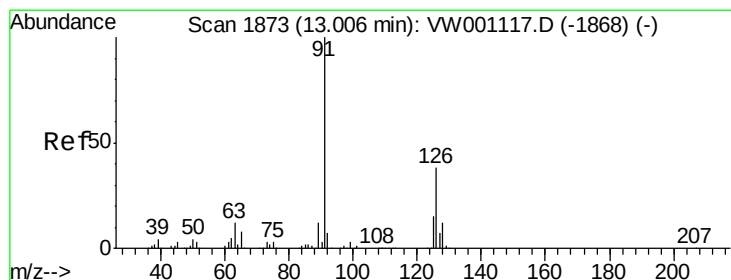
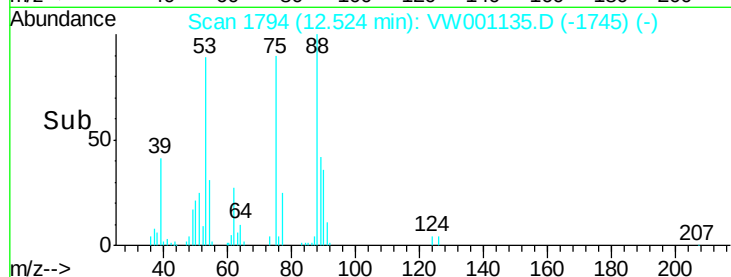
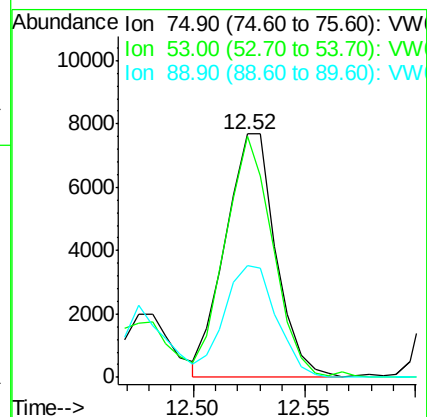
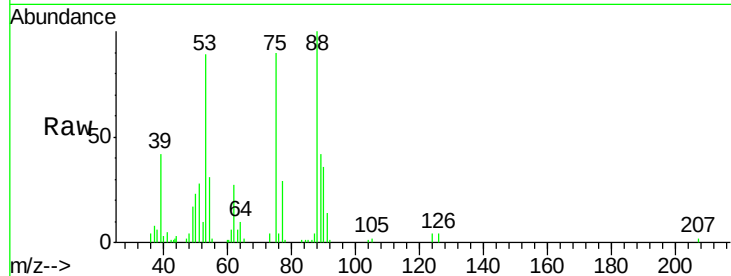
Tgt Ion: 75 Resp: 12129

Ion Ratio Lower Upper

75 100

53 93.7 75.0 112.6

89 47.7 38.2 57.4



#82

4-Chlorotoluene

Concen: 19.86 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.01 min

Lab File: VW001135.D

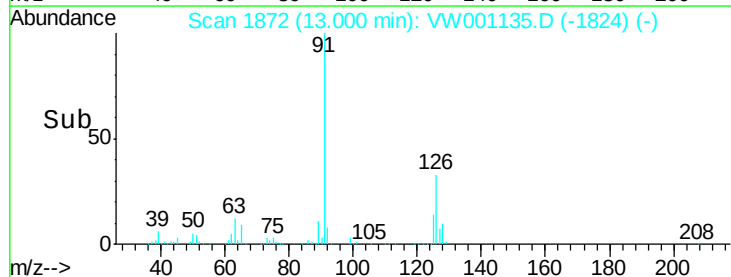
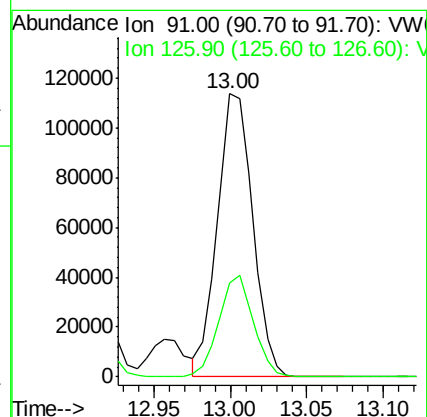
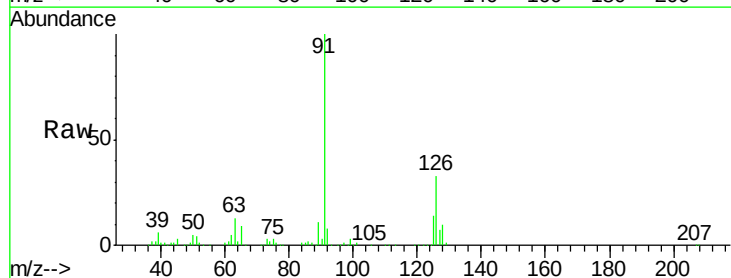
Acq: 29 Jan 2018 22:28

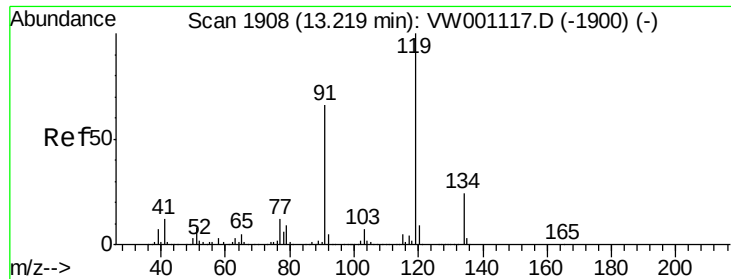
Tgt Ion: 91 Resp: 183008

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.4

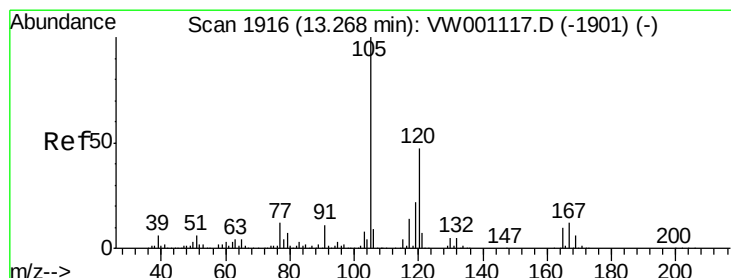
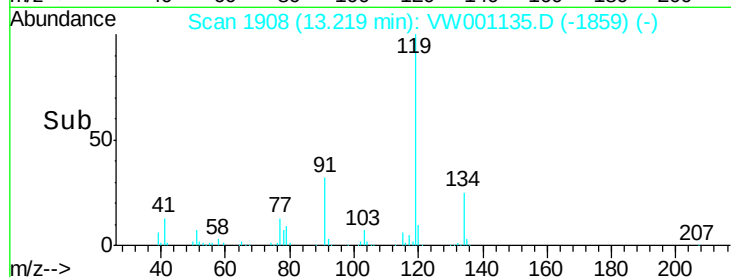
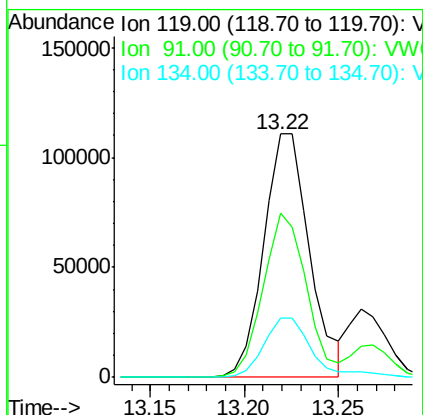
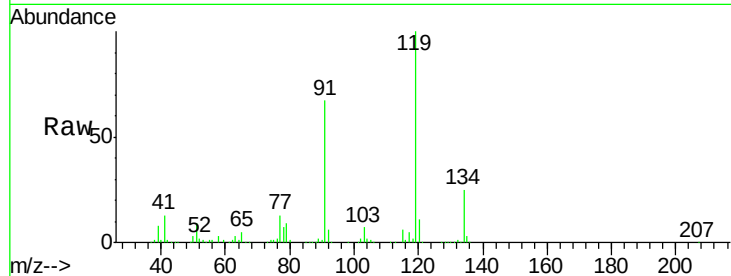




#83
 tert-Butylbenzene
 Concen: 19.60 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

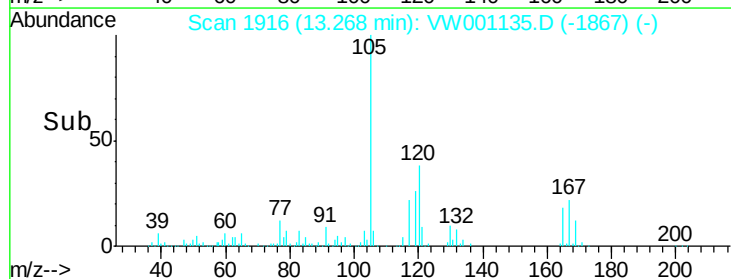
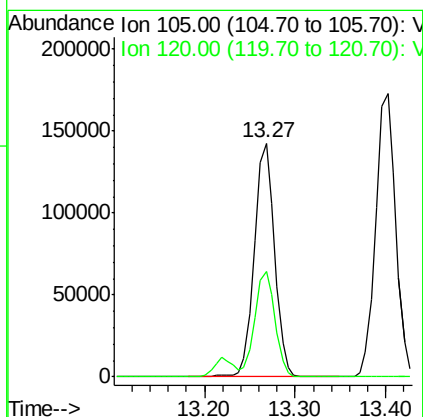
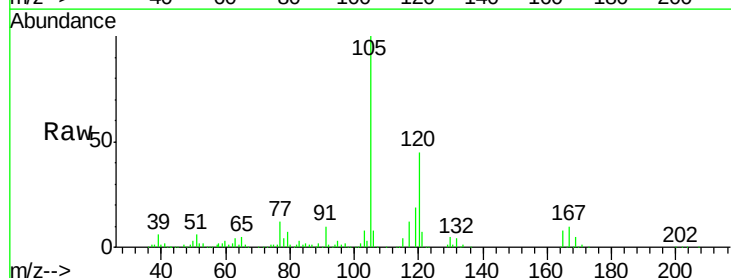
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

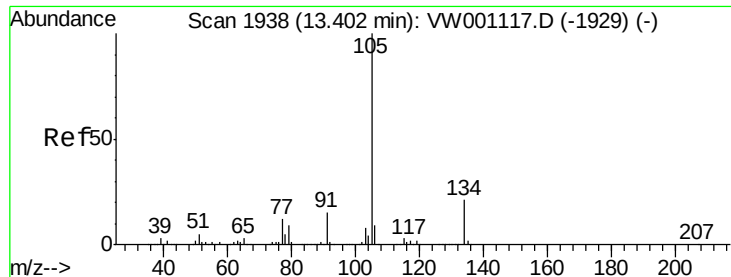
Tgt Ion:119 Resp: 186837
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.9 95.5
 134 25.8 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.09 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion:105 Resp: 220577
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.59 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

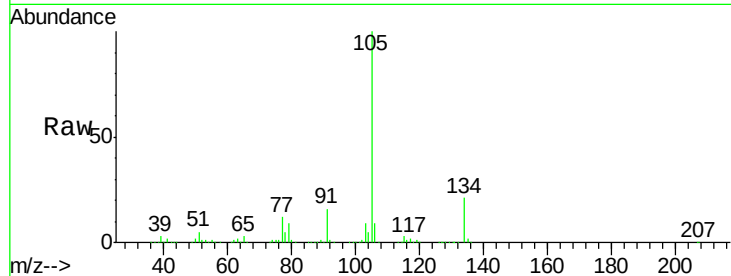
VW0129SBSD01

Tgt Ion:105 Resp: 264184

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

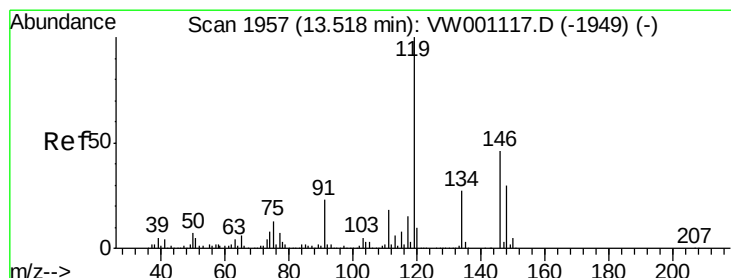
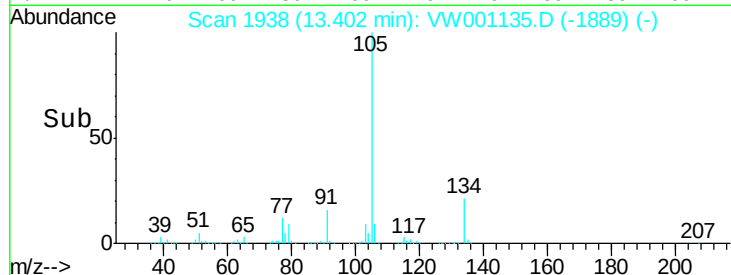
100000

50000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.69 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

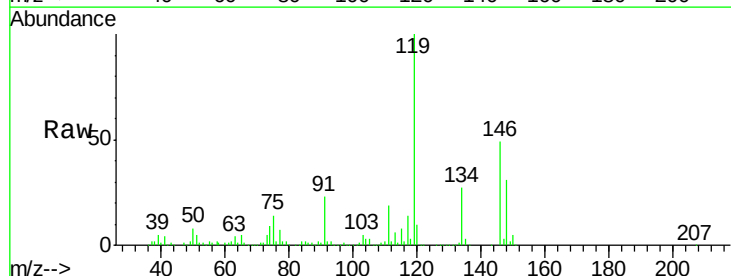
Tgt Ion:119 Resp: 236068

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

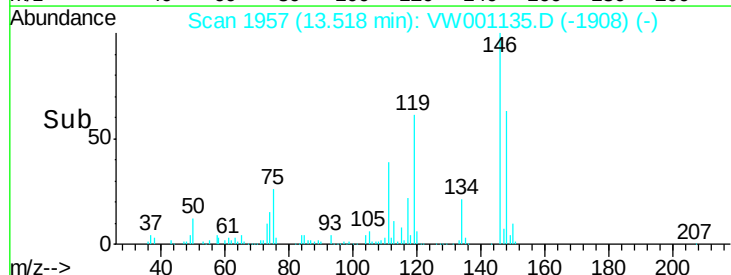
100000

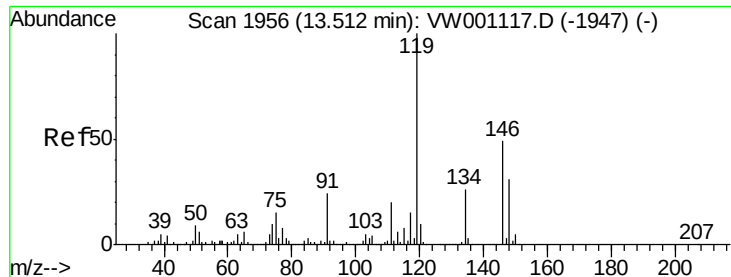
50000

0

13.45 13.50 13.55

Time-->

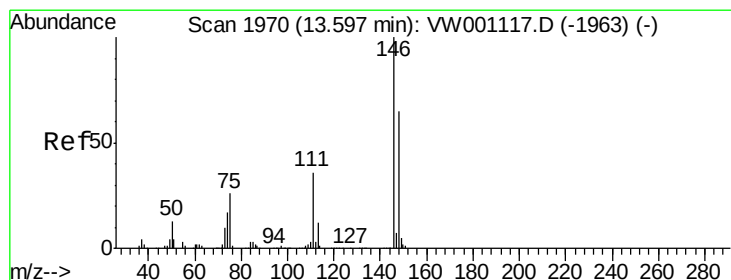
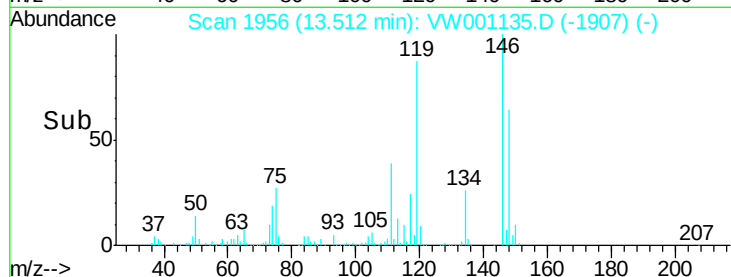
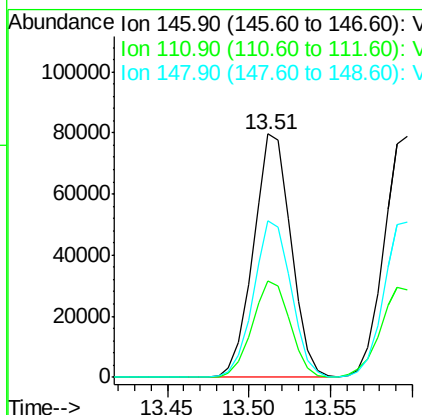
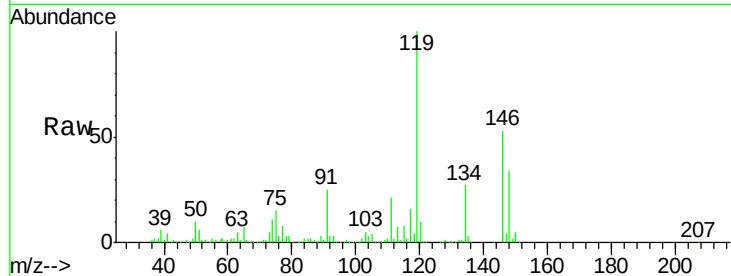




#87
 1,3-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

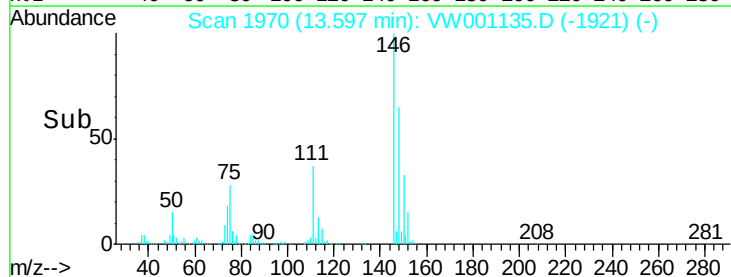
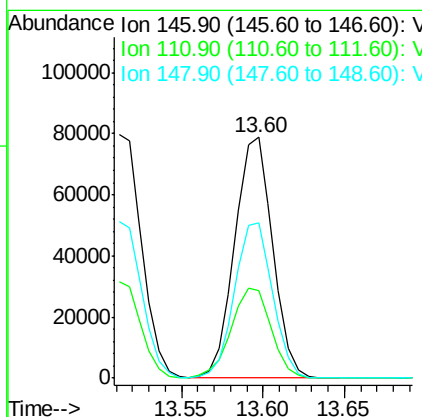
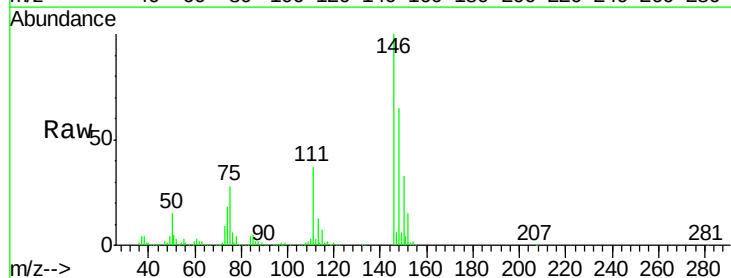
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

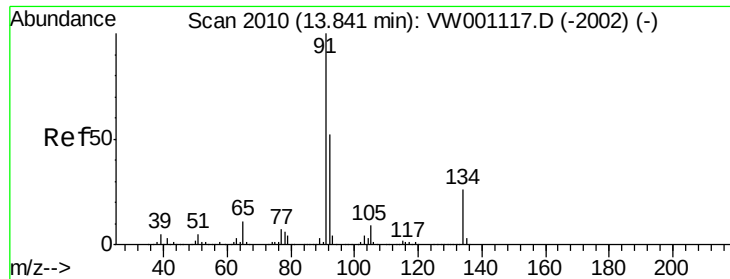
Tgt Ion:146 Resp: 127631
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.1
 148 64.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion:146 Resp: 127629
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.1 57.1
 148 64.8 32.5 97.5





#89

n-Butylbenzene

Concen: 19.63 ug/l

RT: 13.84 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

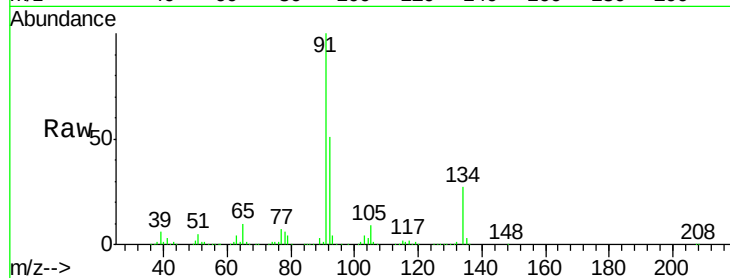
Tgt Ion: 91 Resp: 219256

Ion Ratio Lower Upper

91 100

92 51.3 26.1 78.2

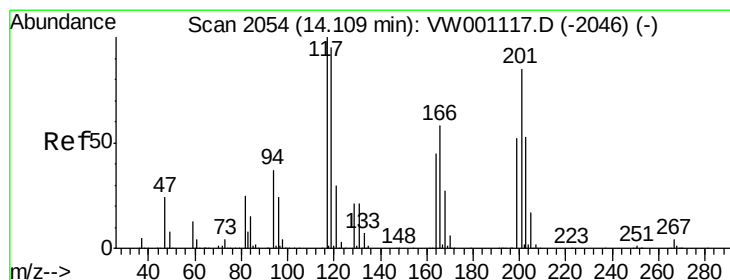
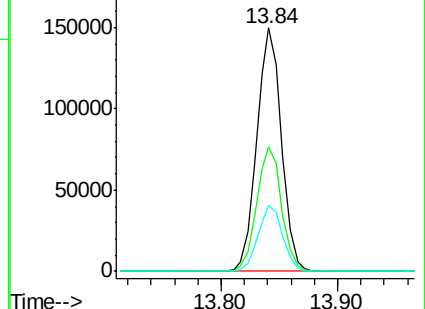
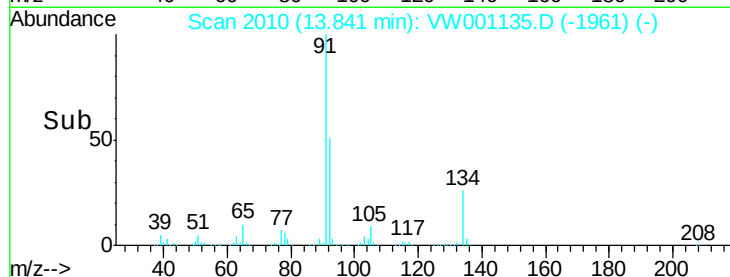
134 27.0 13.6 40.8



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): VW



#90

Hexachloroethane

Concen: 19.33 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VW001135.D

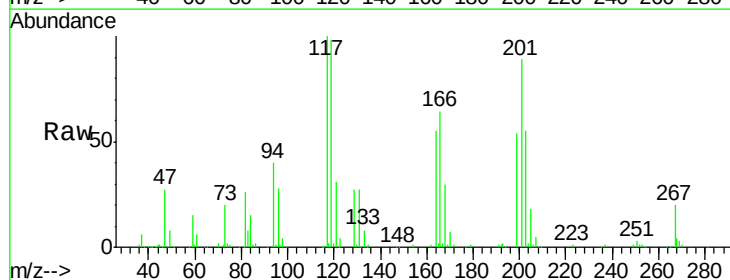
Acq: 29 Jan 2018 22:28

Tgt Ion: 117 Resp: 43227

Ion Ratio Lower Upper

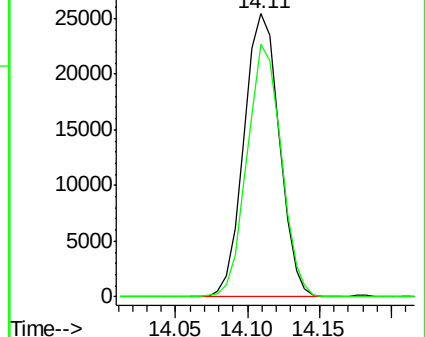
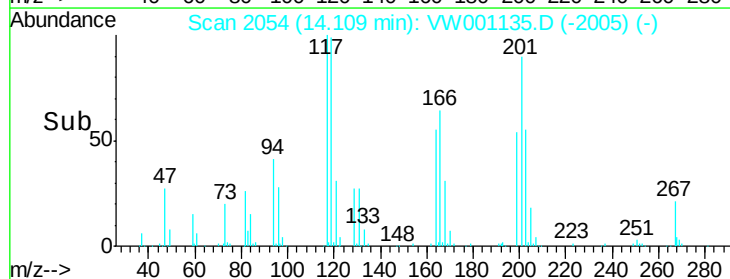
117 100

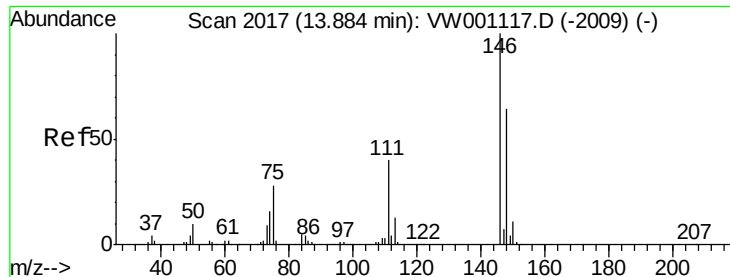
201 86.1 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

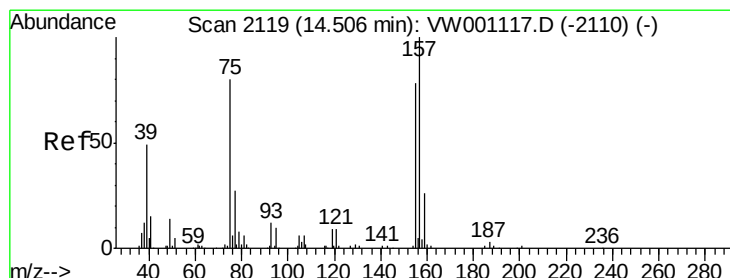
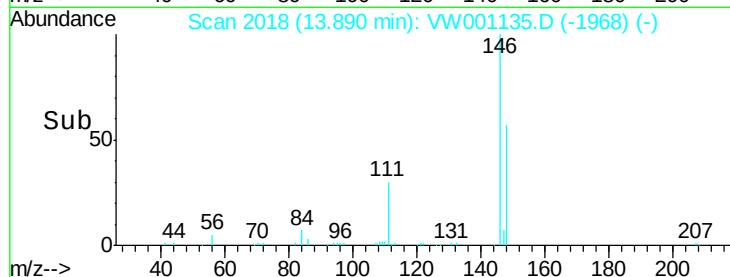
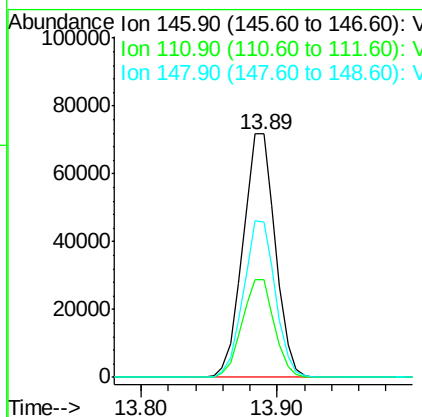
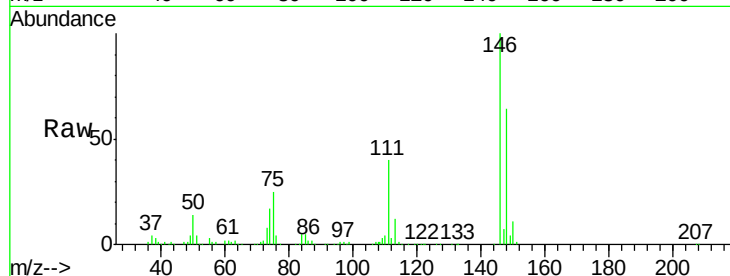




#91
 1,2-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

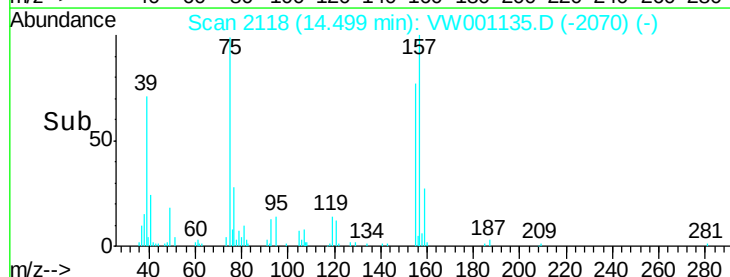
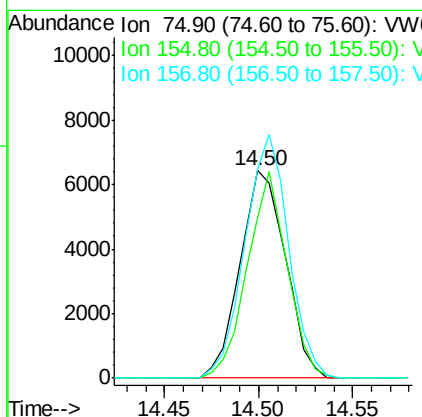
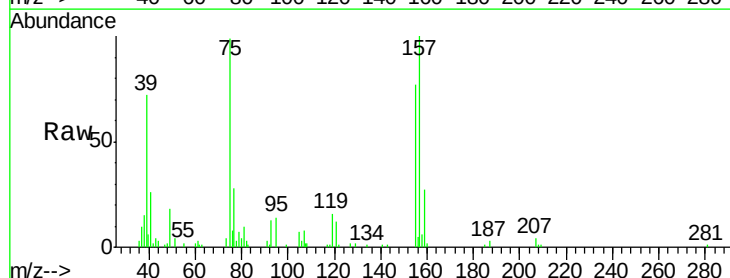
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

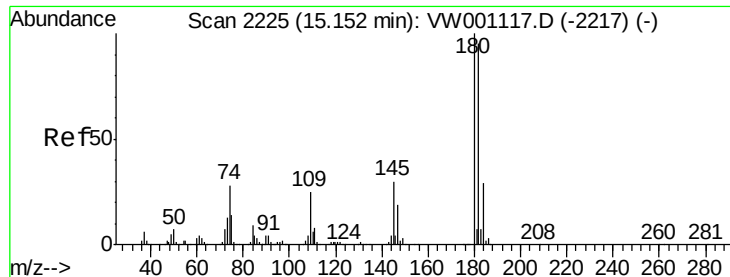
Tgt Ion:146 Resp: 119417
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.4 61.2
 148 63.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.61 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion: 75 Resp: 10727
 Ion Ratio Lower Upper
 75 100
 155 87.1 46.3 138.9
 157 113.2 60.0 180.0

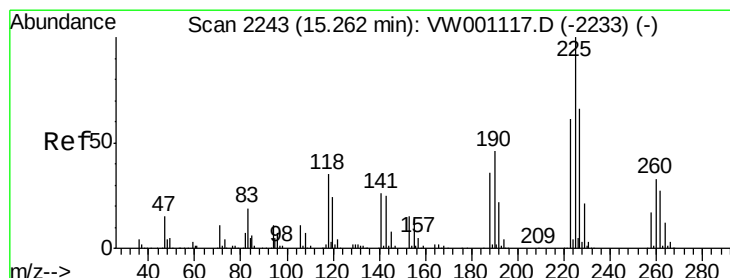
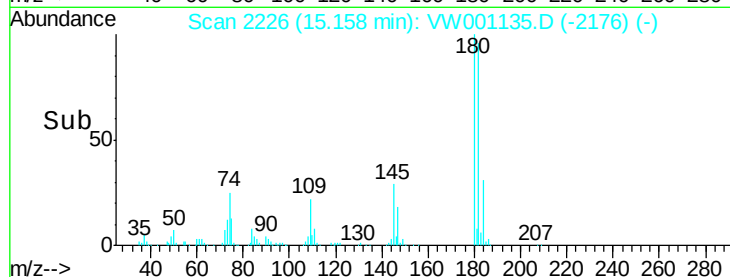
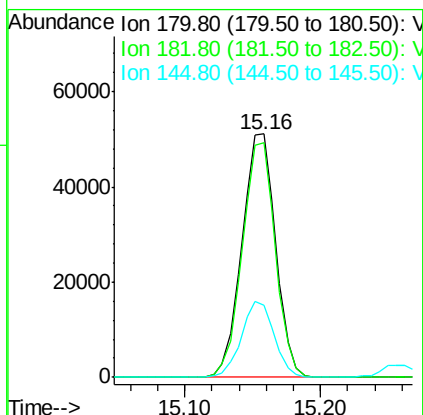
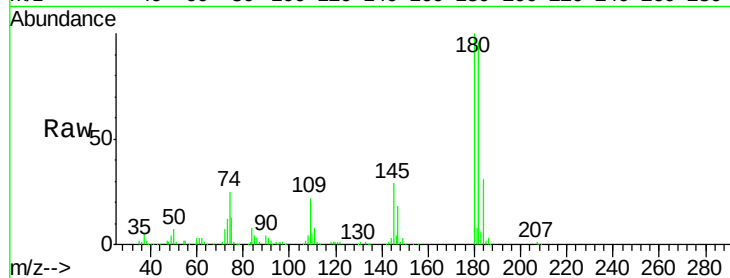




#93
 1,2,4-Trichlorobenzene
 Concen: 20.32 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

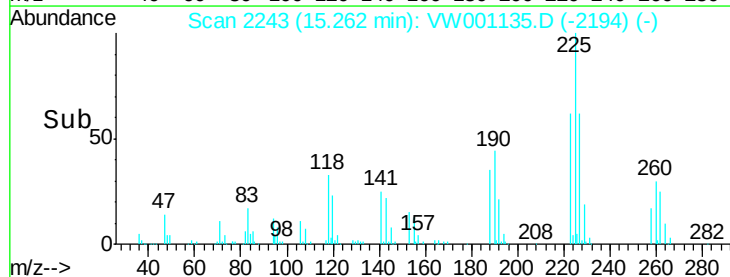
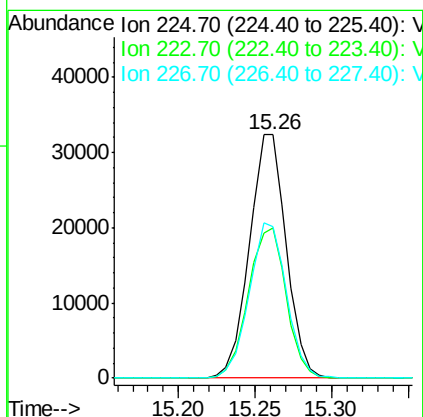
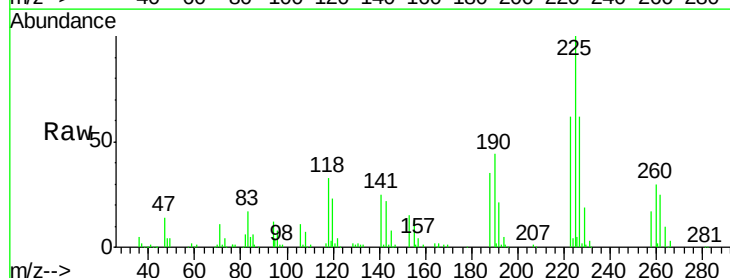
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBSD01

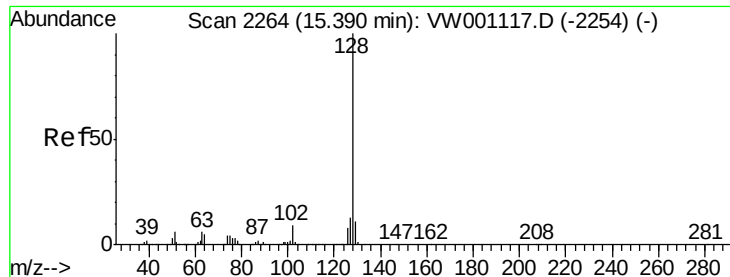
Tgt Ion:180 Resp: 88508
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.6 142.9
 145 30.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.14 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: VW001135.D
 Acq: 29 Jan 2018 22:28

Tgt Ion:225 Resp: 54242
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.3
 227 64.4 32.6 97.8





#95

Naphthalene

Concen: 20.32 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBSD01

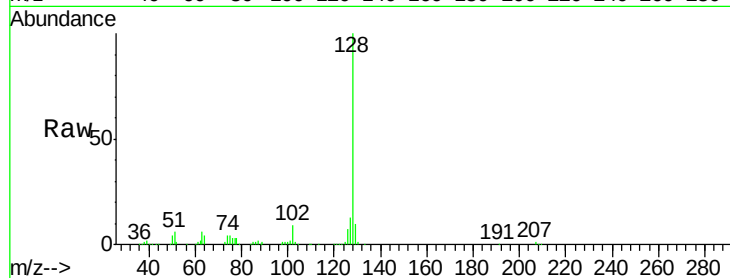
Tgt Ion:128 Resp: 174643

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

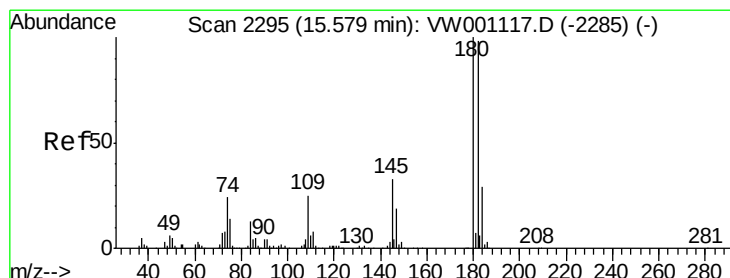
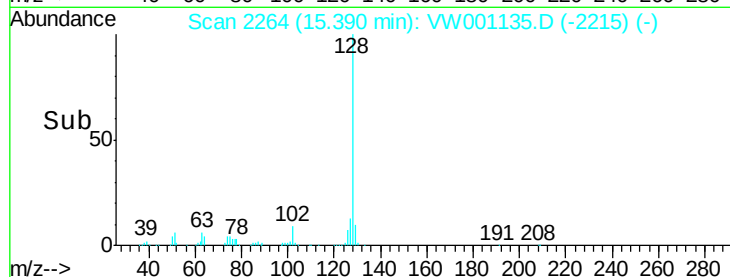
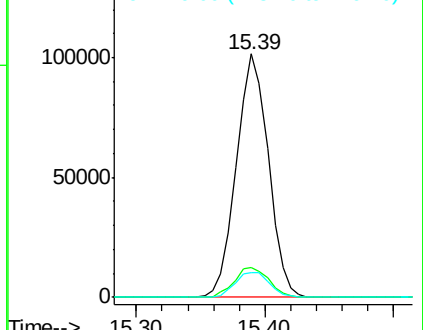
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.52 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VW001135.D

Acq: 29 Jan 2018 22:28

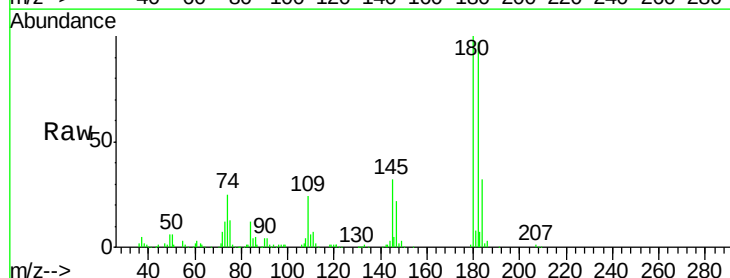
Tgt Ion:180 Resp: 82424

Ion Ratio Lower Upper

180 100

182 95.1 48.7 146.1

145 31.2 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

