

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002311.D
 Acq On : 08 May 2018 23:59
 Operator : JC/SY
 Sample : VW0508SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

Quant Time: May 09 08:40:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	347039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	327179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	121457	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.88	113	113012	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.33	98	430944	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.63	95	155493	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	16267	19.00	ug/l	96
3) Chloromethane	2.20	50	34023	19.57	ug/l	95
4) Vinyl Chloride	2.35	62	54387	18.97	ug/l	98
5) Bromomethane	2.77	94	47788	20.73	ug/l	97
6) Chloroethane	2.92	64	39776	20.56	ug/l	99
7) Trichlorofluoromethane	3.24	101	19944	17.04	ug/l	88
8) Diethyl Ether	3.67	74	30449	23.24	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.04	101	39773	19.24	ug/l	98
10) Methyl Iodide	4.26	142	66207	19.73	ug/l	100
11) Tert butyl alcohol	5.19	59	19524	111.69	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	40289	19.65	ug/l	89
13) Acrolein	3.89	56	14602	99.77	ug/l	94
14) Allyl chloride	4.65	41	56375	18.72	ug/l	100
15) Acrylonitrile	5.36	53	52806	102.73	ug/l	97
16) Acetone	4.12	43	46904	99.86	ug/l	96
17) Carbon Disulfide	4.36	76	114992	19.29	ug/l	99
18) Methyl Acetate	4.67	43	28192	20.01	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	74442	20.77	ug/l	97
20) Methylene Chloride	4.90	84	43946	19.41	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	44812	20.25	ug/l	98
22) Diisopropyl ether	6.31	45	133090	20.16	ug/l	99
23) Vinyl Acetate	6.25	43	406280	102.75	ug/l	98
24) 1,1-Dichloroethane	6.21	63	80259	20.05	ug/l	96
25) 2-Butanone	7.17	43	71040	101.86	ug/l	97
26) 2,2-Dichloropropane	7.16	77	38566	19.33	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	49891	20.00	ug/l	98
28) Bromochloromethane	7.51	49	36645	20.24	ug/l	100
29) Tetrahydrofuran	7.53	42	46620	101.92	ug/l	100
30) Chloroform	7.67	83	85466	20.39	ug/l	99
31) Cyclohexane	7.95	56	68400	19.14	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	62122	19.72	ug/l	98
36) 1,1-Dichloropropene	8.08	75	64745	20.63	ug/l	99
37) Ethyl Acetate	7.26	43	32690	21.37	ug/l	99
38) Carbon Tetrachloride	8.07	117	60425	19.91	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71946	19.64	ug/l	97
40) Benzene	8.32	78	188576	20.55	ug/l	98
41) Methacrylonitrile	7.48	41	17882	20.40	ug/l	92
42) 1,2-Dichloroethane	8.40	62	58692	20.51	ug/l	99
43) Isopropyl Acetate	8.43	43	60211	20.75	ug/l	99
44) Trichloroethene	9.09	130	51225	20.48	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45918	19.98	ug/l	96
46) Dibromomethane	9.46	93	26669	20.76	ug/l	97
47) Bromodichloromethane	9.65	83	61270	20.21	ug/l	98
48) Methyl methacrylate	9.44	41	29176	20.71	ug/l	99
49) 1,4-Dioxane	9.45	88	8167	400.12	ug/l	89
51) 4-Methyl-2-Pentanone	10.22	43	163394	102.07	ug/l	100
52) Toluene	10.39	92	120406	20.66	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60445	20.27	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	67619	19.84	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38086	21.05	ug/l	98
56) Ethyl methacrylate	10.65	69	46301	20.70	ug/l	98
57) 1,3-Dichloropropane	10.94	76	63433	20.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	111903	103.09	ug/l	99
59) 2-Hexanone	10.98	43	112708	102.94	ug/l	100
60) Dibromochloromethane	11.13	129	43300	20.28	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37525	21.22	ug/l	98
64) Tetrachloroethene	10.87	164	50972	20.24	ug/l	98
65) Chlorobenzene	11.66	112	136315	20.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48189	20.22	ug/l	99
67) Ethyl Benzene	11.74	91	230676	20.07	ug/l	100
68) m/p-Xylenes	11.85	106	179258	40.43	ug/l	99
69) o-Xylene	12.18	106	86989	20.63	ug/l	97
70) Styrene	12.19	104	140791	20.11	ug/l	100
71) Bromoform	12.36	173	27531	20.15	ug/l	# 100
73) Isopropylbenzene	12.48	105	227684	19.98	ug/l	99
74) N-amyl acetate	12.28	43	57735	20.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	45306	20.57	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	34097m	21.92	ug/l	
77) Bromobenzene	12.76	156	58951	20.52	ug/l	99
78) n-propylbenzene	12.82	91	273094	20.22	ug/l	100
79) 2-Chlorotoluene	12.90	91	157699	20.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	192721	20.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11630	19.69	ug/l	96
82) 4-Chlorotoluene	13.00	91	166637	20.14	ug/l	99
83) tert-Butylbenzene	13.22	119	165498	20.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	202553	20.38	ug/l	99
85) sec-Butylbenzene	13.40	105	239691	20.34	ug/l	99
86) p-Isopropyltoluene	13.51	119	214458	20.36	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	115132	20.25	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	117109	20.63	ug/l	100
89) n-Butylbenzene	13.83	91	201409	20.43	ug/l	99
90) Hexachloroethane	14.10	117	37645	19.98	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	105436	20.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7680	20.17	ug/l	93

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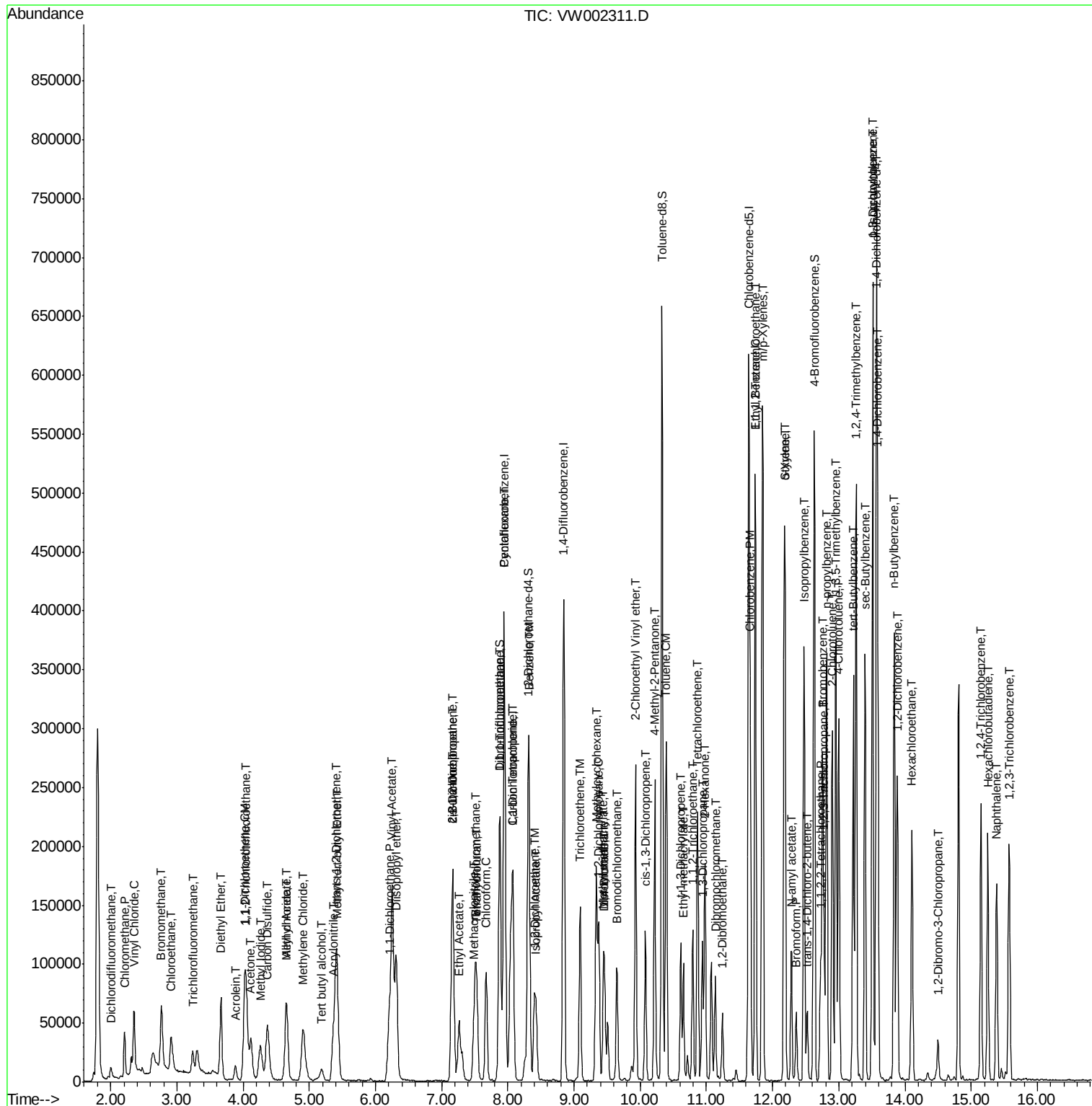
Instrument :
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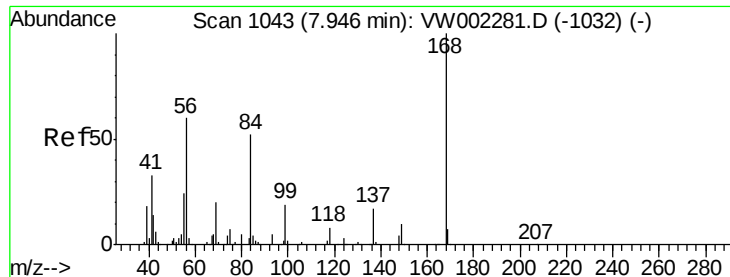
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	77045	20.89	ug/l	99
94) Hexachlorobutadiene	15.25	225	41282	20.10	ug/l	98
95) Naphthalene	15.38	128	142206	20.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	67810	20.51	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

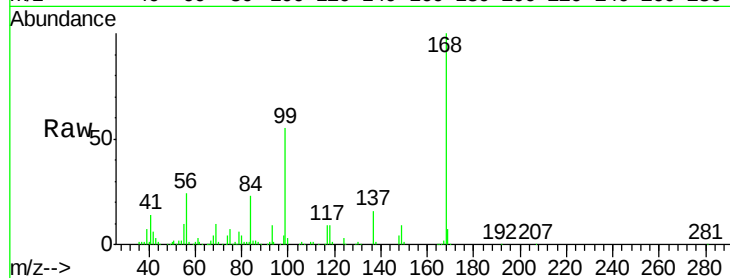
VW0508SBS02

Tot Ion:168 Resp: 226469

Ion Ratio Lower Upper

168 100

99 54.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

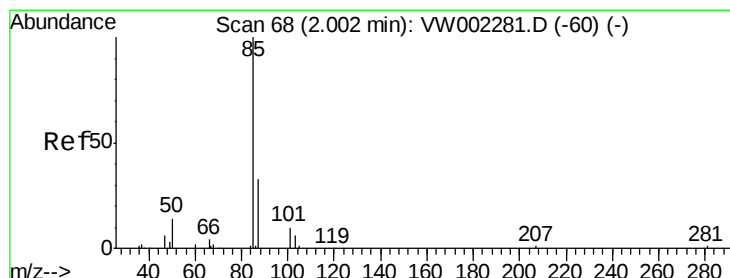
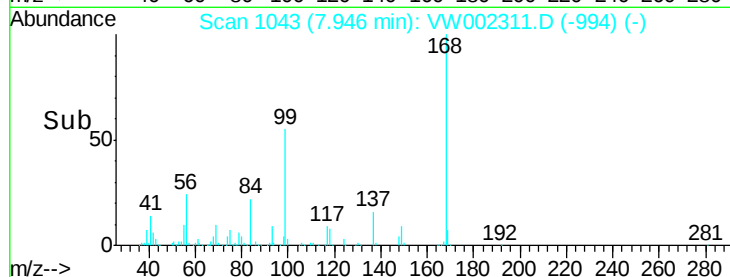
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.00 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002311.D

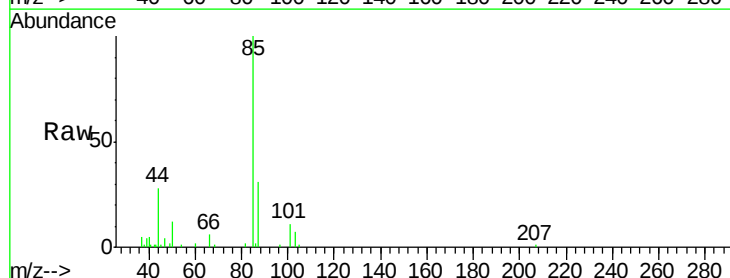
Acq: 08 May 2018 23:59

Tgt Ion: 85 Resp: 16267

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

6000

5000

4000

3000

2000

1000

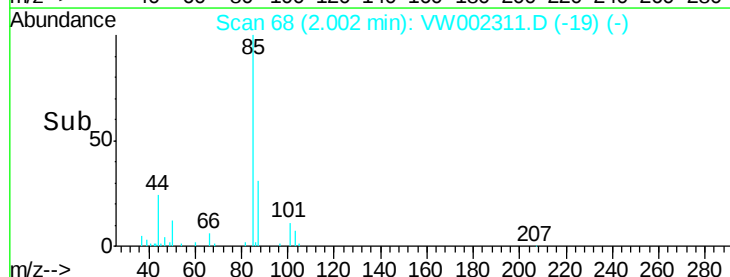
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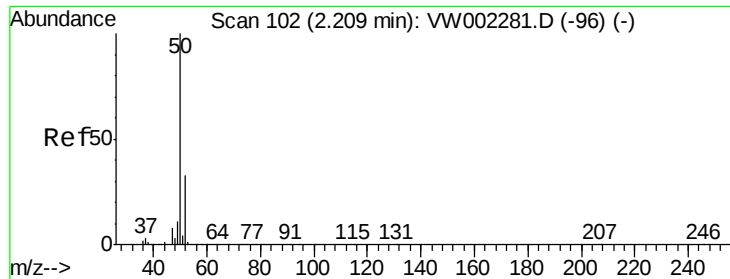
1.90

2.00

2.10

Time-->

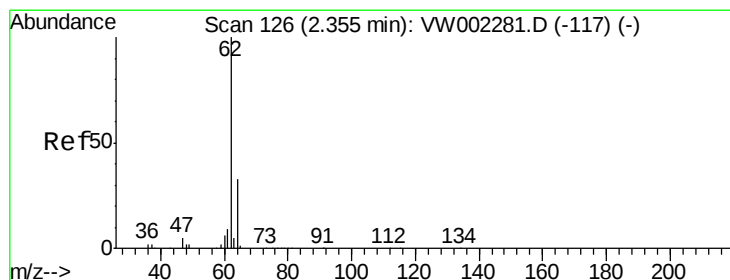
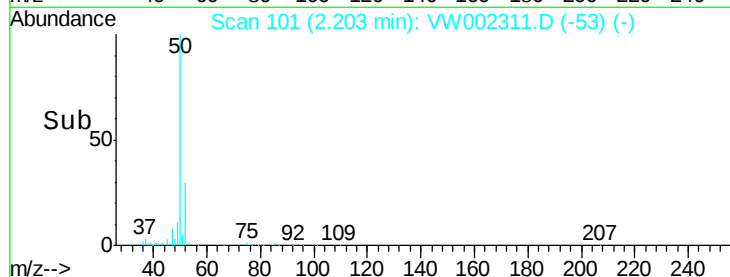
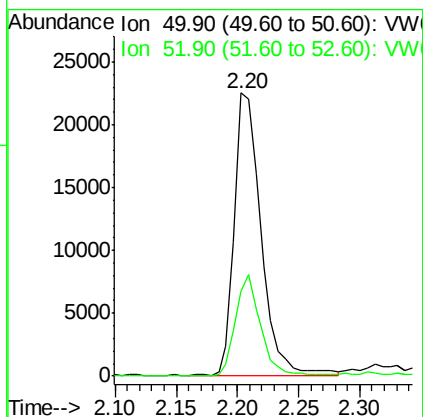
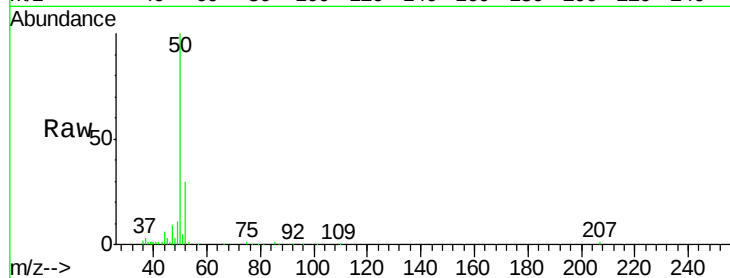




#3
Chloromethane
Concen: 19.57 ug/l
RT: 2.20 min Scan# 101
Delta R.T. -0.01 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

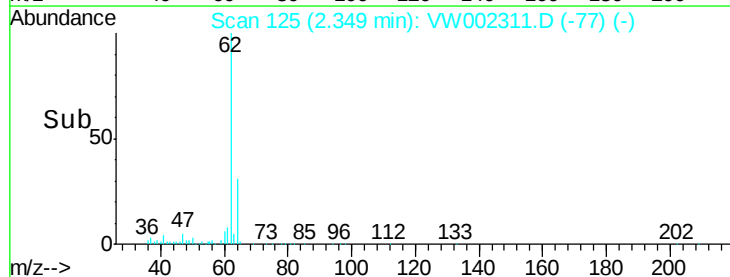
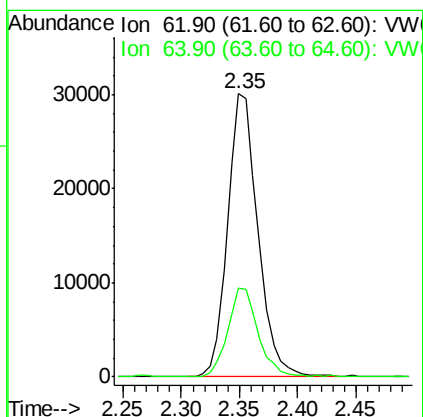
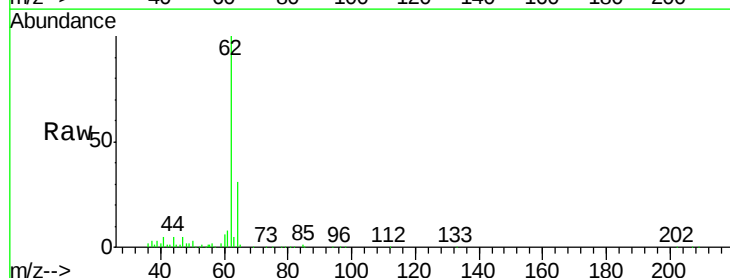
Instrument :
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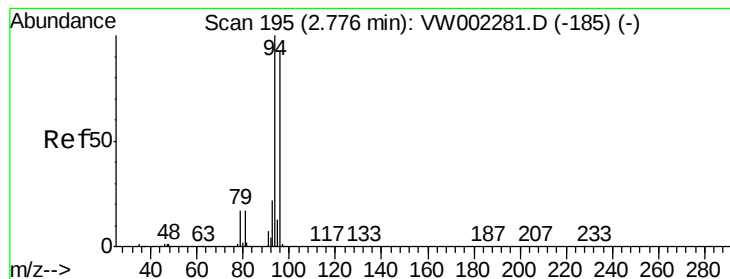
Tot Ion: 50 Resp: 34023
Ion Ratio Lower Upper
50 100
52 30.2 26.5 39.7



#4
Vinyl Chloride
Concen: 18.97 ug/l
RT: 2.35 min Scan# 125
Delta R.T. -0.01 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 62 Resp: 54387
Ion Ratio Lower Upper
62 100
64 31.3 26.1 39.1





#5

Bromomethane

Concen: 20.73 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

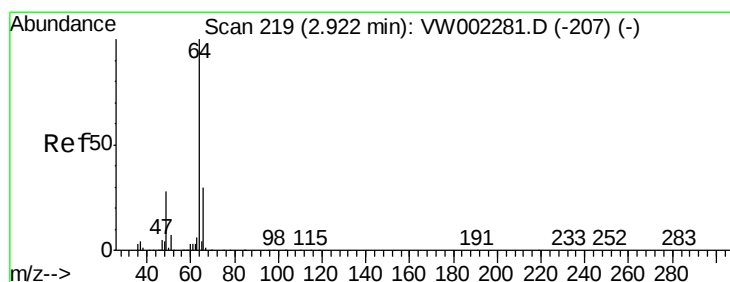
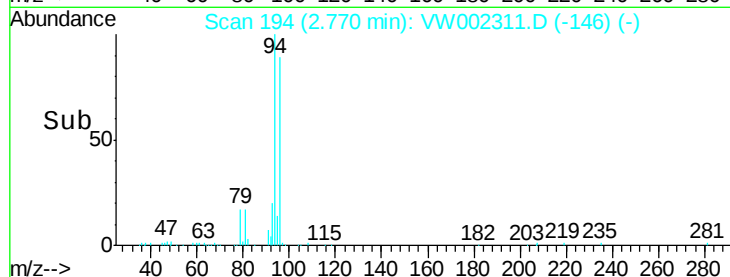
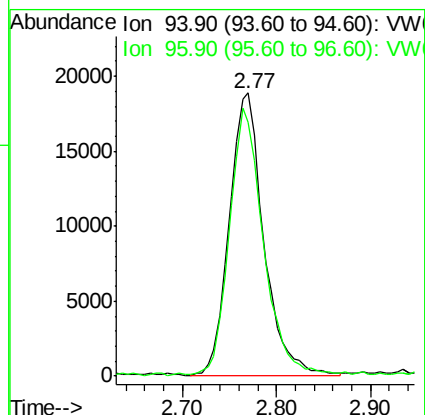
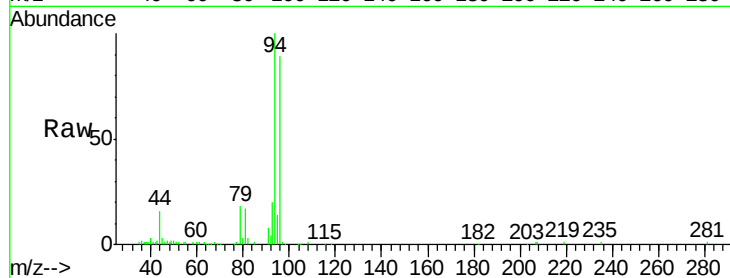
VW0508SBS02

Tot Ion: 94 Resp: 47788

Ion Ratio Lower Upper

94 100

96 89.2 73.6 110.4



#6

Chloroethane

Concen: 20.56 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002311.D

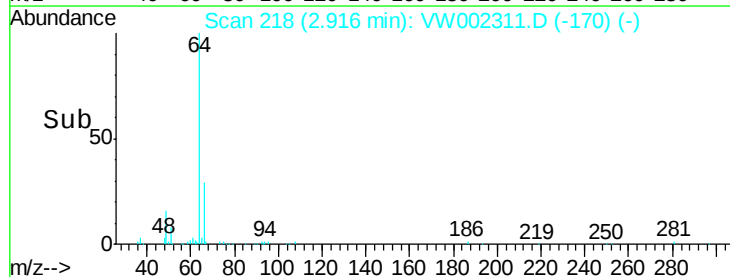
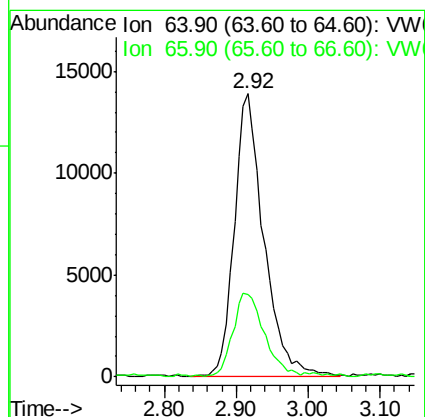
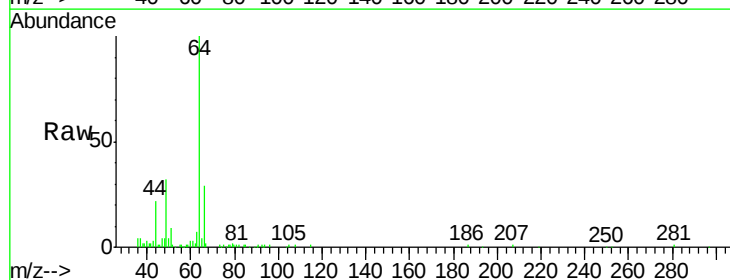
Acq: 08 May 2018 23:59

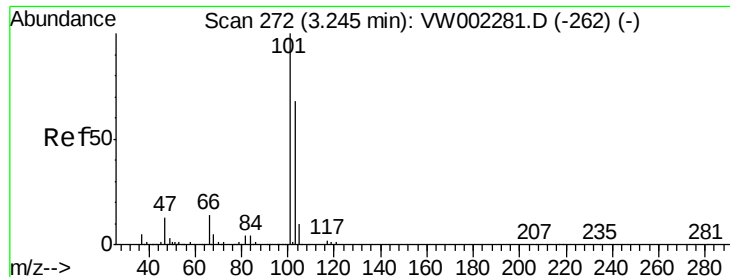
Tgt Ion: 64 Resp: 39776

Ion Ratio Lower Upper

64 100

66 29.3 23.8 35.6



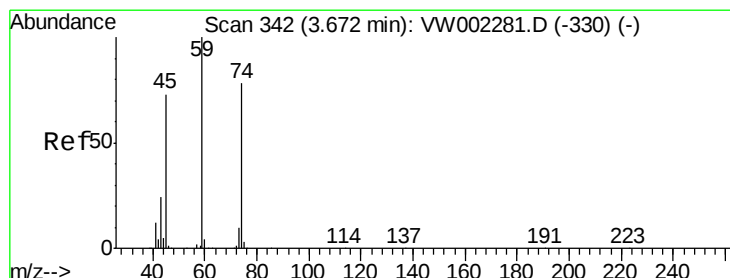
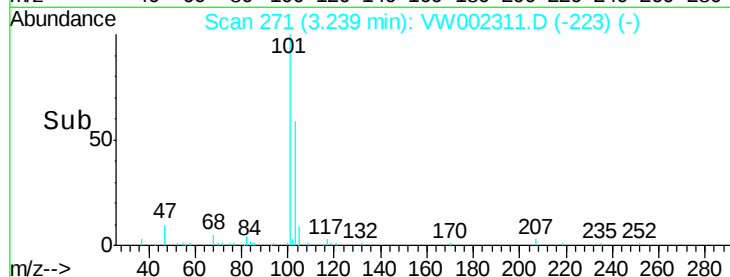
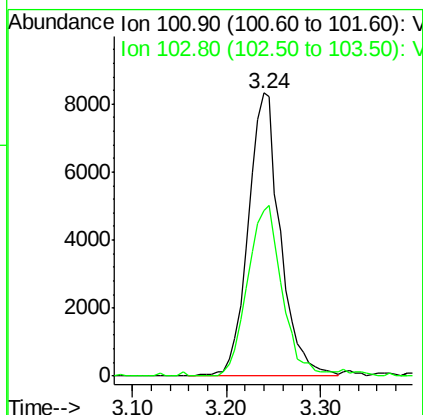
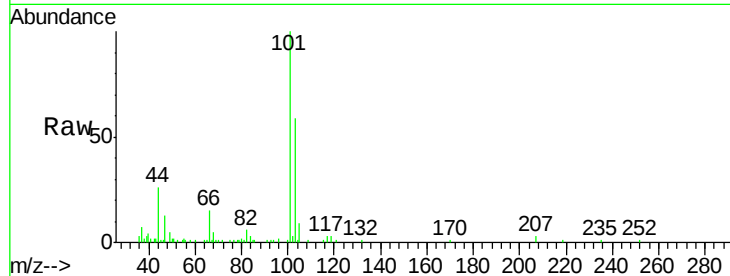


#7

Trichlorofluoromethane
 Concen: 17.04 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Instrument :
 MSVOA_W
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 VW0508SBS02

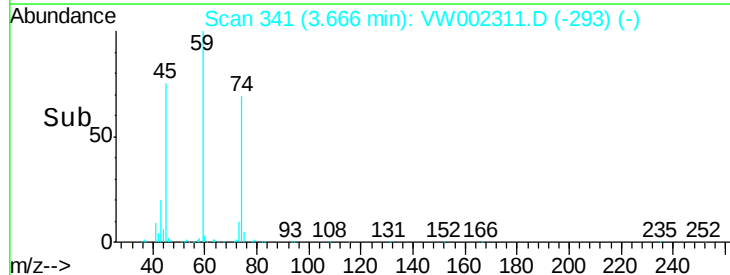
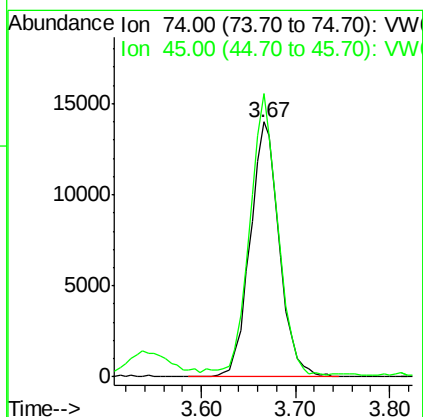
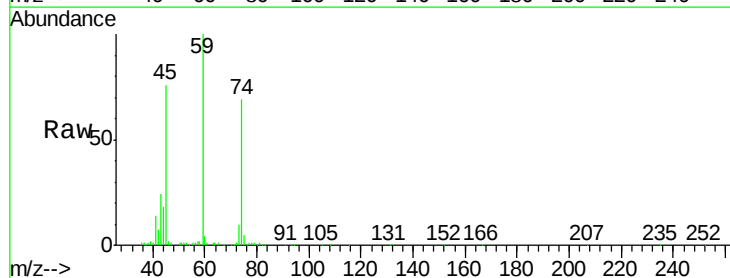
Tot Ion:101 Resp: 19944
 Ion Ratio Lower Upper
 101 100
 103 58.6 54.6 82.0

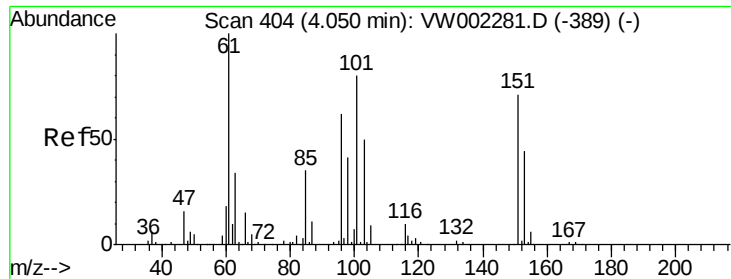


#8

Diethyl Ether
 Concen: 23.24 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 74 Resp: 30449
 Ion Ratio Lower Upper
 74 100
 45 104.8 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.24 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

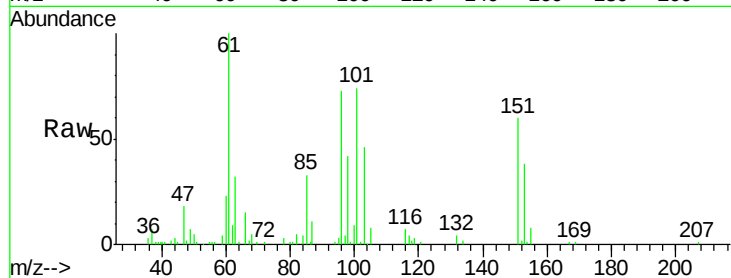
Tot Ion:101 Resp: 39773

Ion Ratio Lower Upper

101 100

85 43.0 35.9 53.9

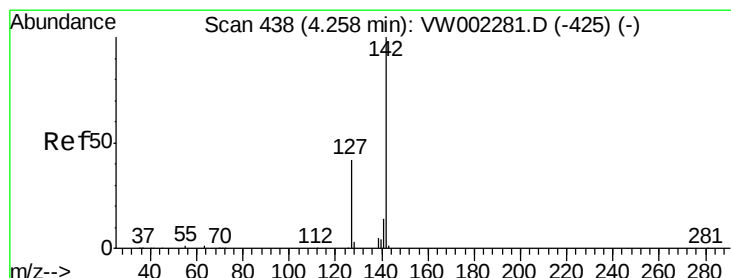
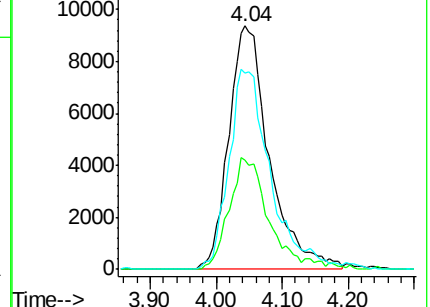
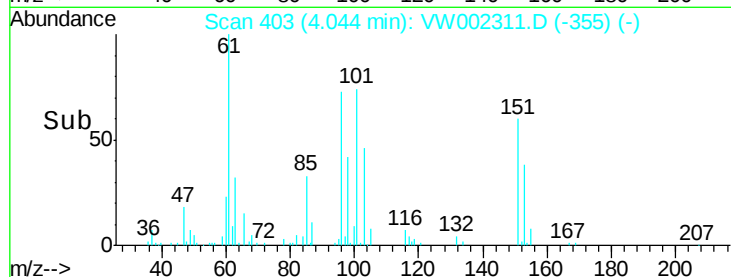
151 83.8 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.73 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

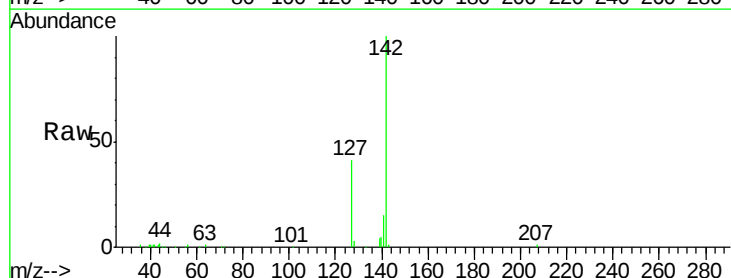
Tgt Ion:142 Resp: 66207

Ion Ratio Lower Upper

142 100

127 43.5 34.7 52.1

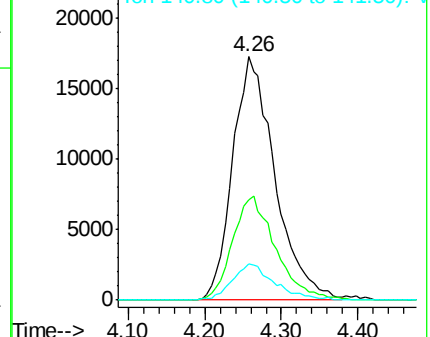
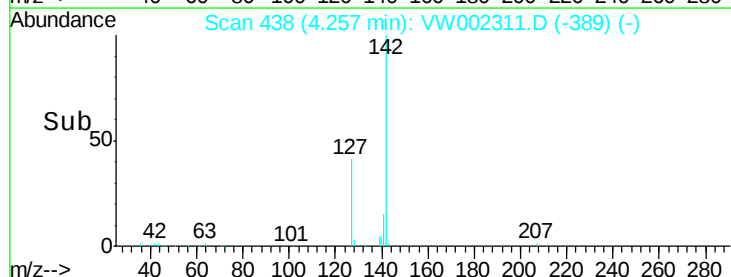
141 14.8 11.9 17.9

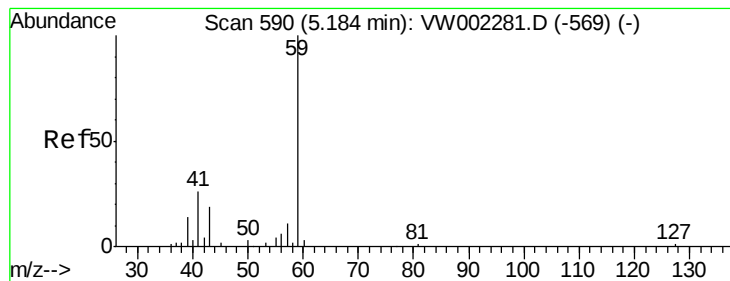


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



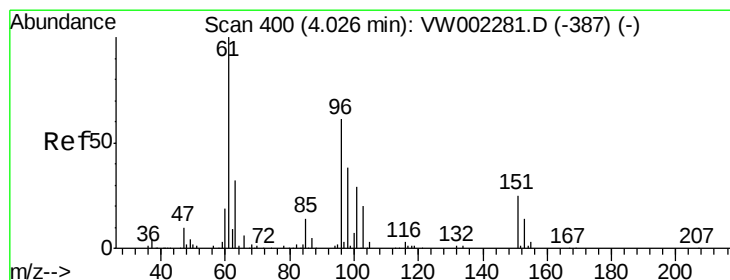
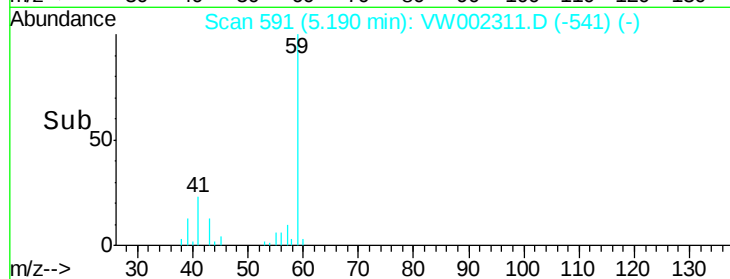
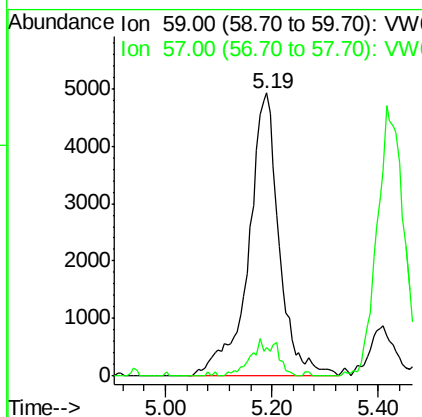
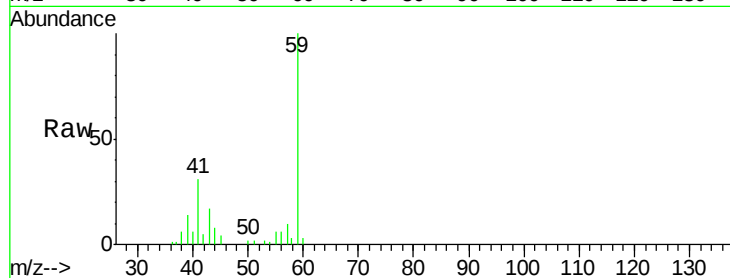


#11

Tert butyl alcohol
 Concen: 111.69 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0508SBS02

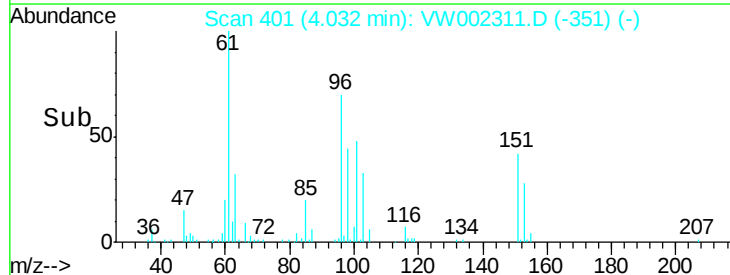
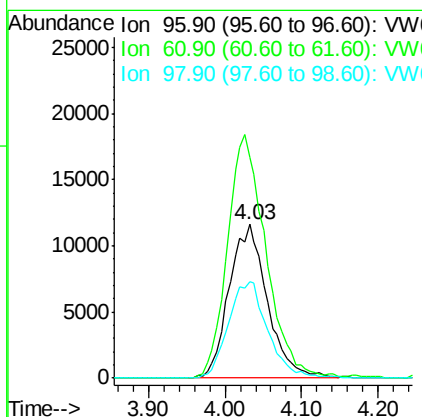
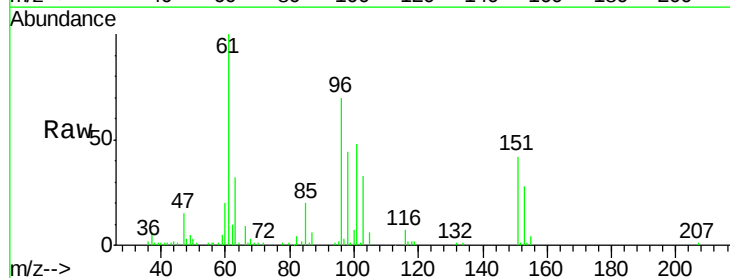
Tot Ion: 59 Resp: 19524
 Ion Ratio Lower Upper
 59 100
 57 7.6 3.9 5.9#

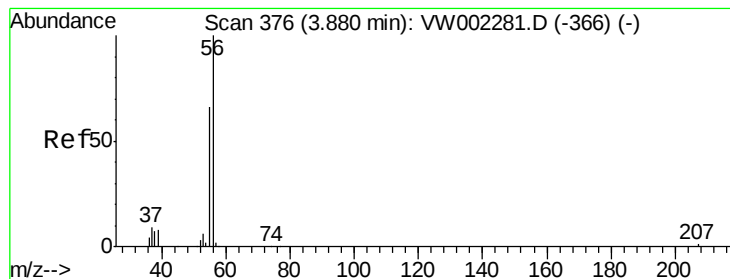


#12

1,1-Dichloroethene
 Concen: 19.65 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 96 Resp: 40289
 Ion Ratio Lower Upper
 96 100
 61 143.8 130.6 196.0
 98 63.0 49.0 73.4





#13

Acrolein

Concen: 99.77 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

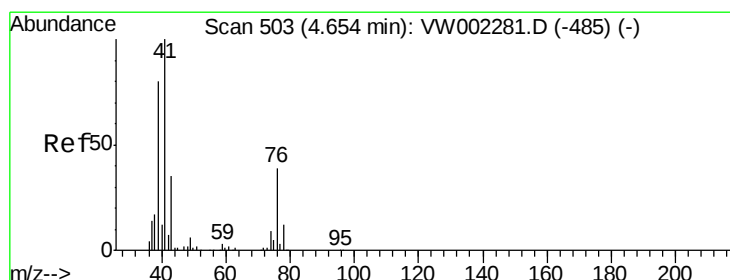
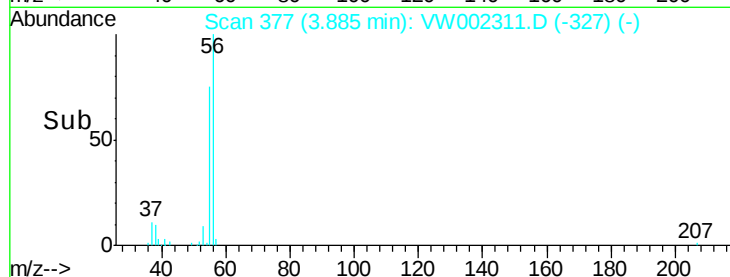
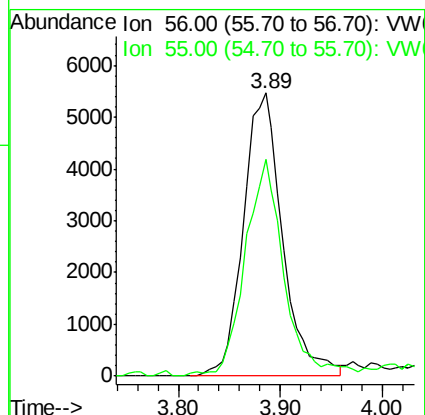
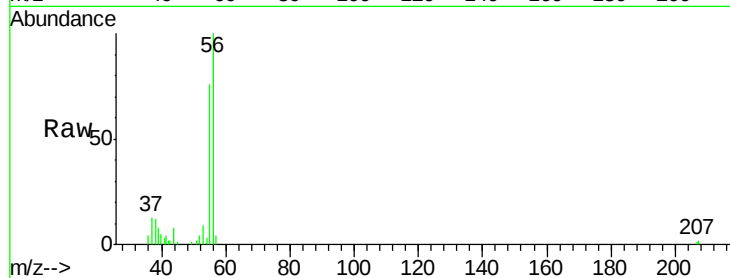
VW0508SBS02

Tot Ion: 56 Resp: 14602

Ion Ratio Lower Upper

56 100

55 76.2 57.3 85.9



#14

Allyl chloride

Concen: 18.72 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

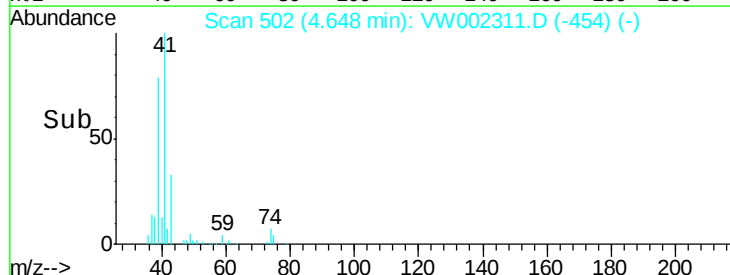
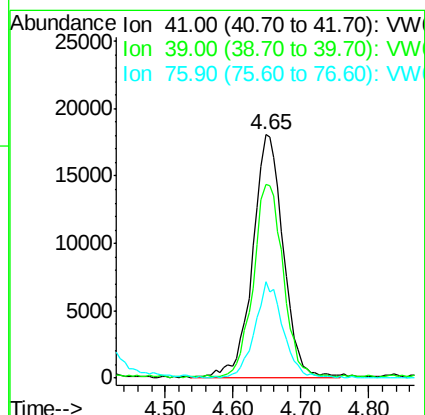
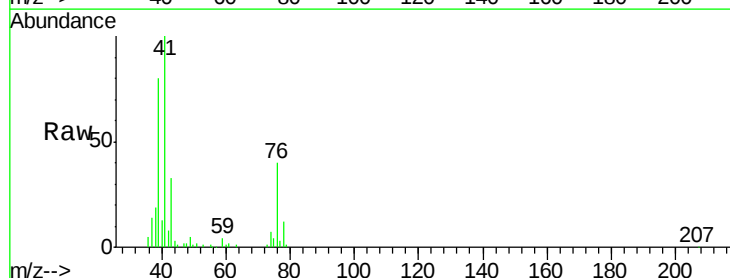
Tgt Ion: 41 Resp: 56375

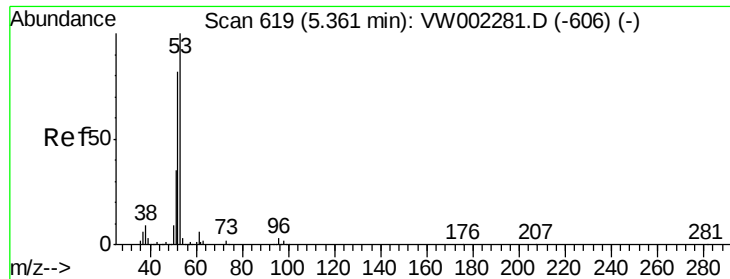
Ion Ratio Lower Upper

41 100

39 76.8 61.7 92.5

76 36.7 29.8 44.6

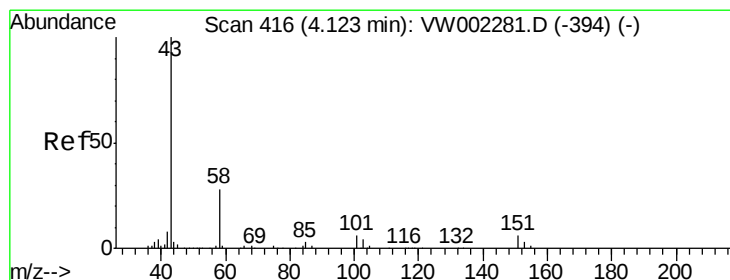
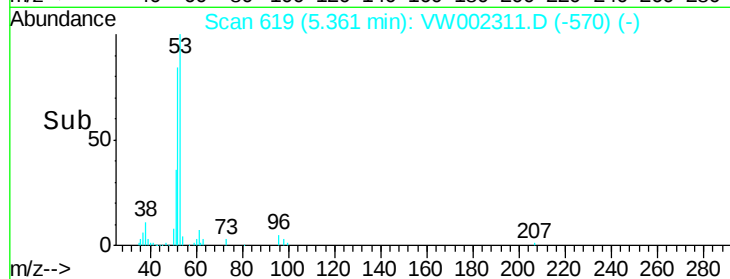
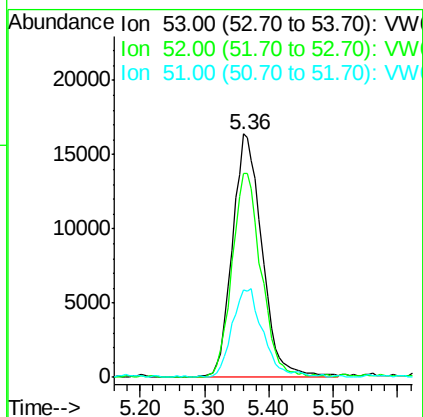
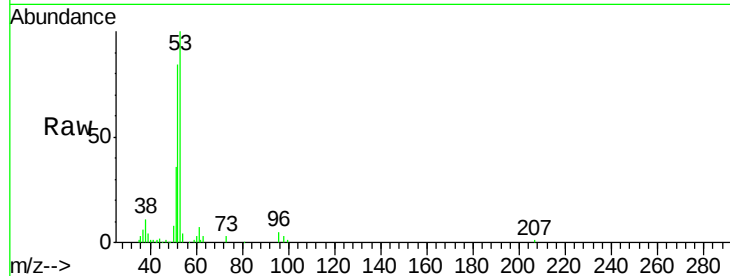




#15
 Acrylonitrile
 Concen: 102.73 ug/l
 RT: 5.36 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

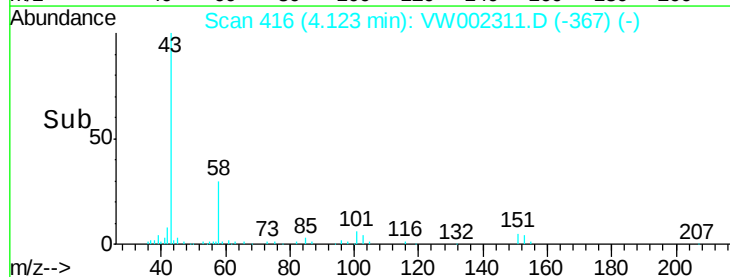
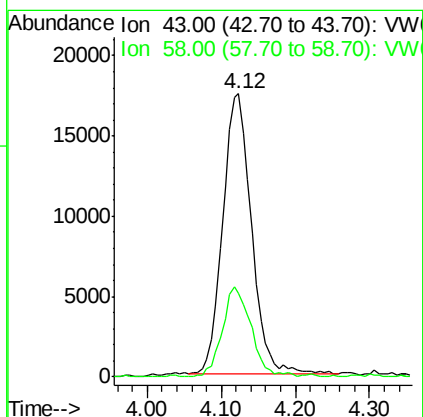
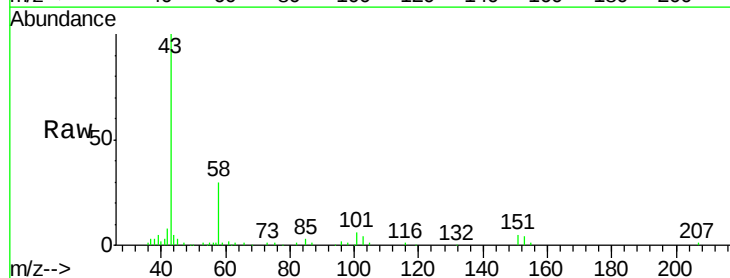
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

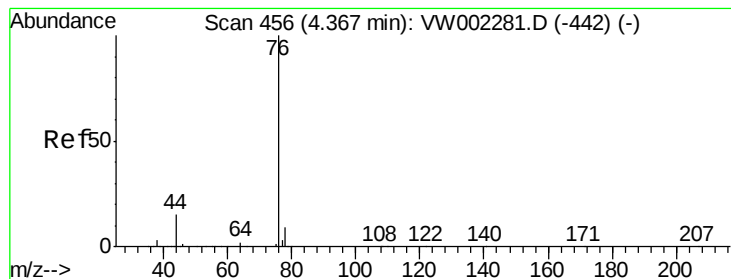
Tot Ion	53	Resp	52806
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.9	101.9
51	36.9	30.0	45.0



#16
 Acetone
 Concen: 99.86 ug/l
 RT: 4.12 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion	43	Resp	46904
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.2	33.4





#17

Carbon Disulfide

Concen: 19.29 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

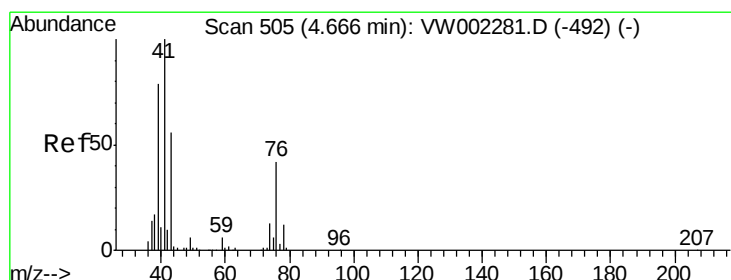
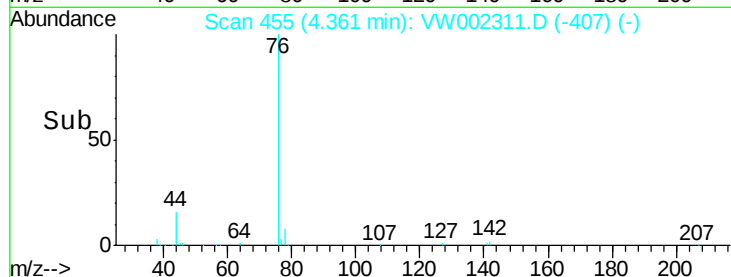
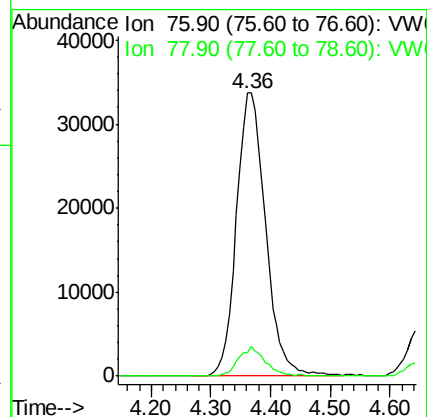
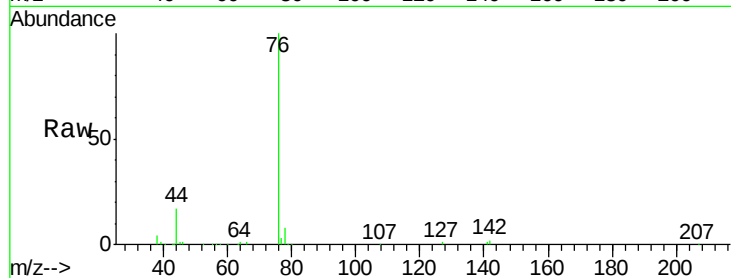
VW0508SBS02

Tot Ion: 76 Resp: 114992

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3



#18

Methyl Acetate

Concen: 20.01 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002311.D

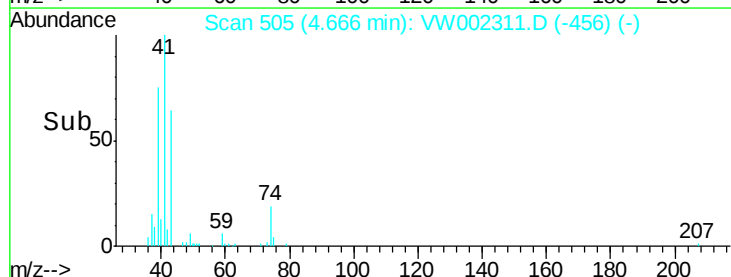
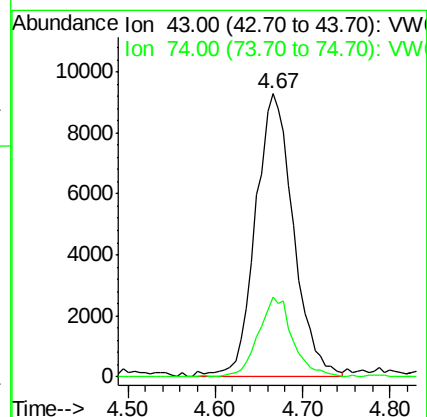
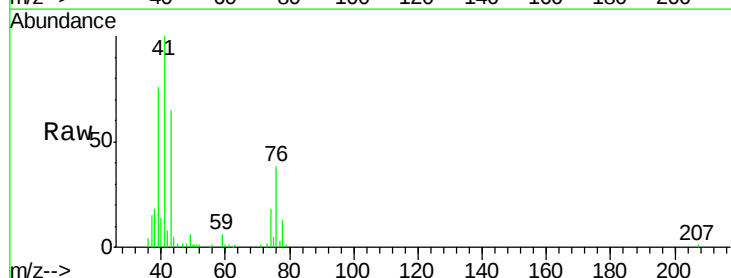
Acq: 08 May 2018 23:59

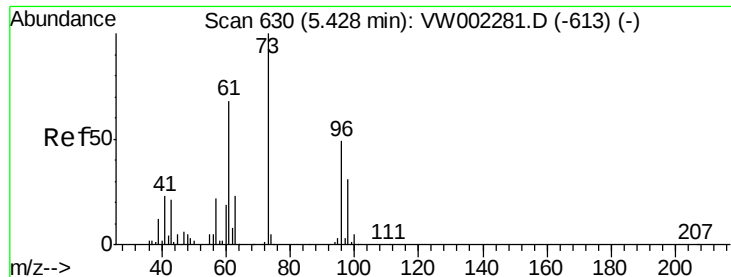
Tgt Ion: 43 Resp: 28192

Ion Ratio Lower Upper

43 100

74 25.5 19.4 29.2

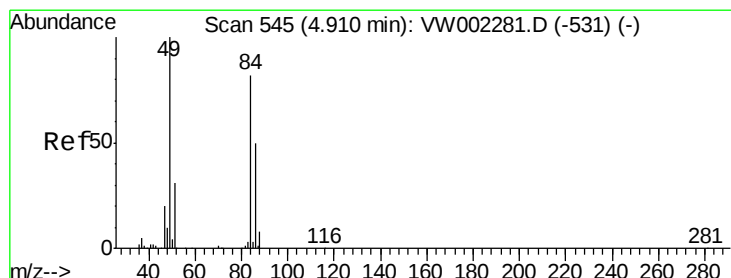
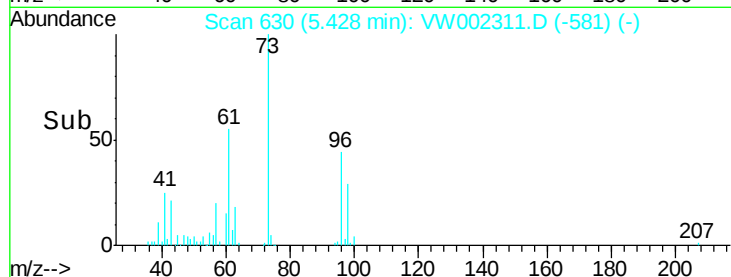
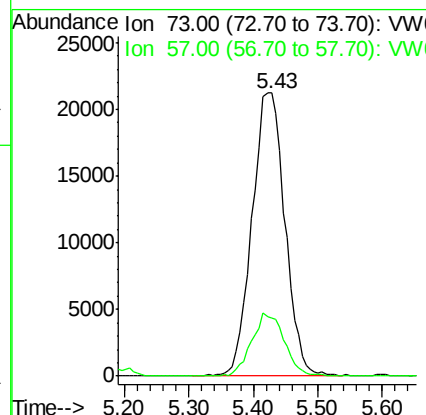
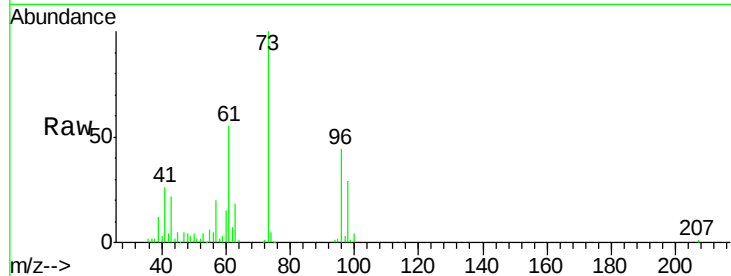




#19
Methyl tert-butyl Ether
Concen: 20.77 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

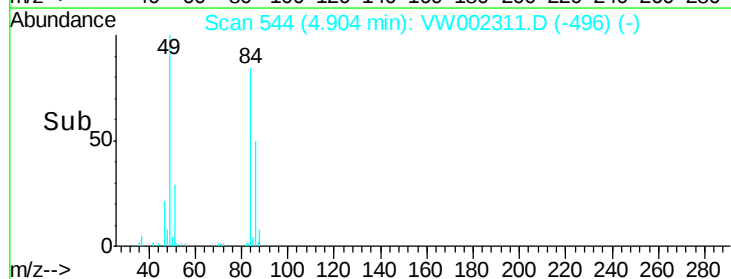
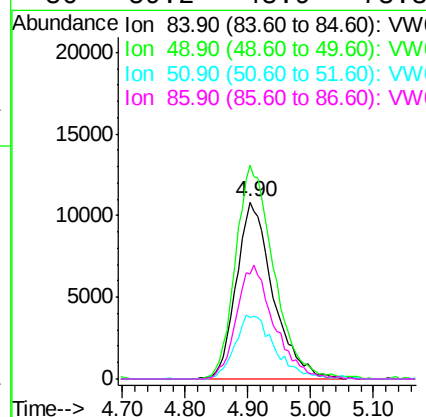
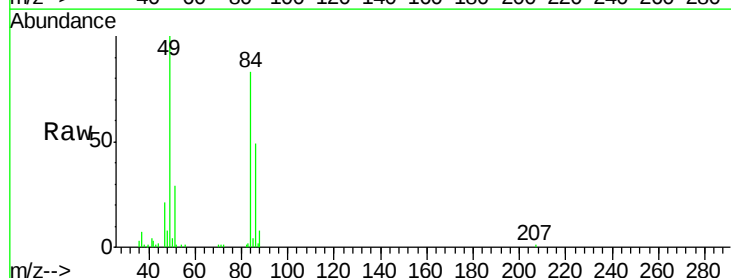
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

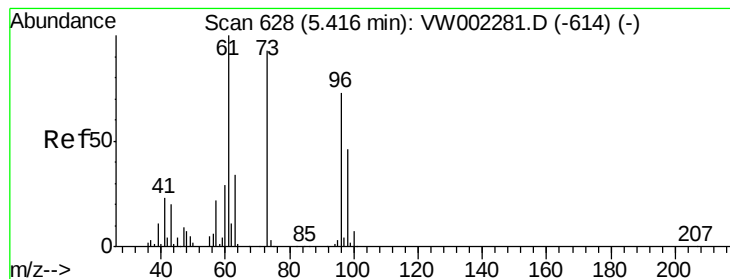
Tot Ion: 73 Resp: 74442
Ion Ratio Lower Upper
73 100
57 20.5 17.7 26.5



#20
Methylene Chloride
Concen: 19.41 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 84 Resp: 43946
Ion Ratio Lower Upper
84 100
49 120.9 97.7 146.5
51 35.1 30.2 45.4
86 59.2 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.25 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

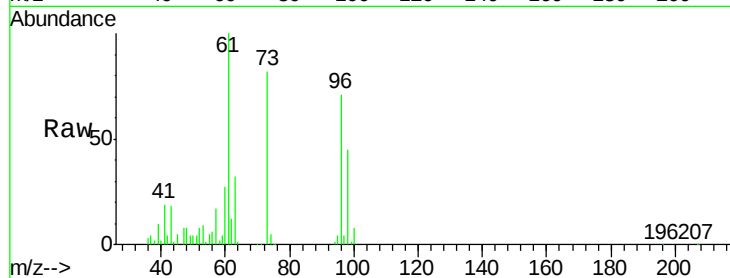
Tot Ion: 96 Resp: 44812

Ion Ratio Lower Upper

96 100

61 140.7 109.5 164.3

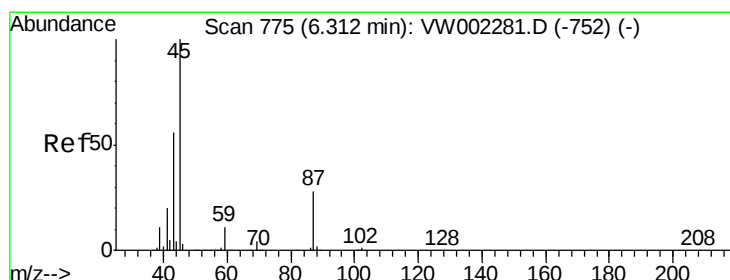
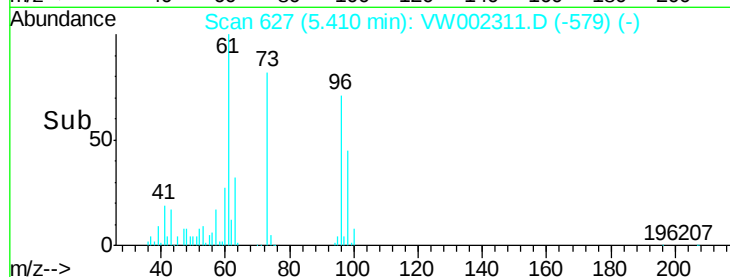
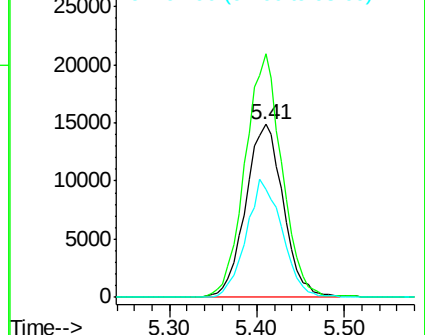
98 62.6 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.16 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Tgt Ion: 45 Resp: 133090

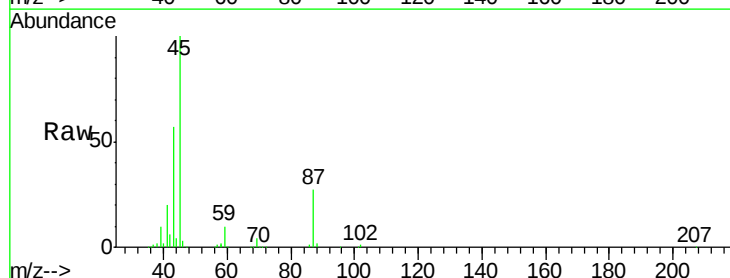
Ion Ratio Lower Upper

45 100

43 55.8 44.5 66.7

87 27.0 22.2 33.4

59 10.0 8.9 13.3

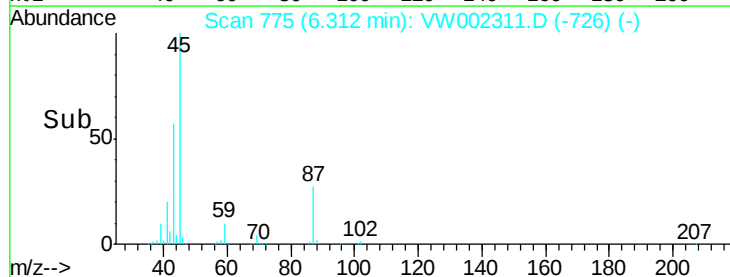
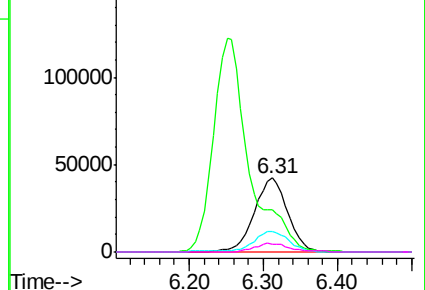


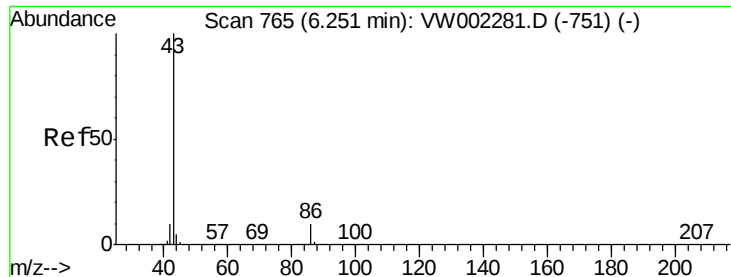
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.75 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampled :

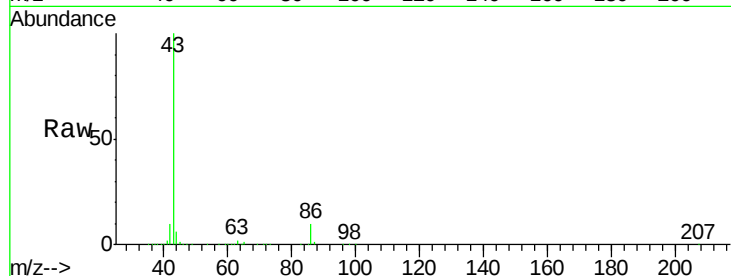
VW0508SBS02

Tot Ion: 43 Resp: 406280

Ion Ratio Lower Upper

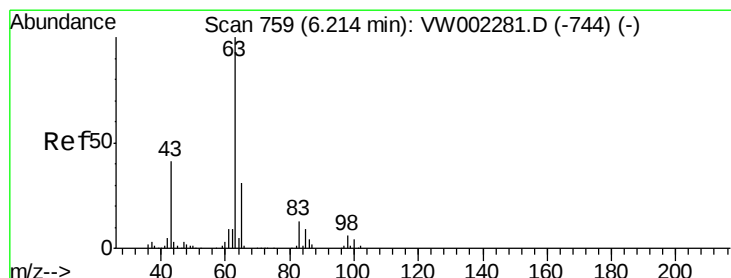
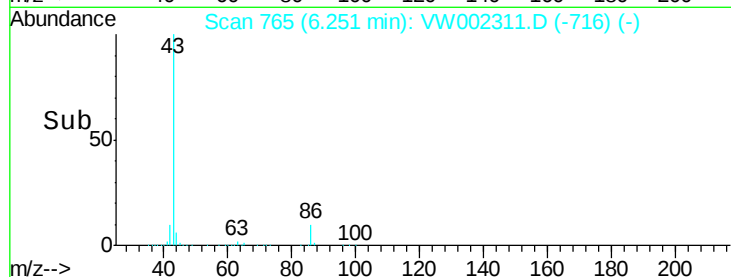
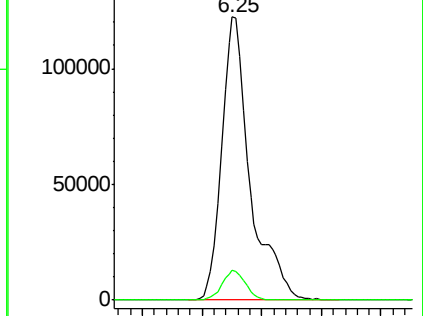
43 100

86 10.5 7.9 11.9



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# 758

Delta R.T. -0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

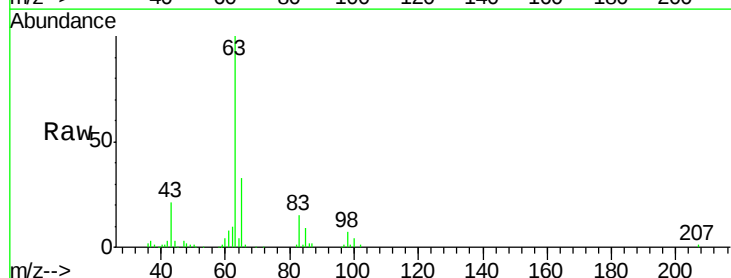
Tgt Ion: 63 Resp: 80259

Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.7

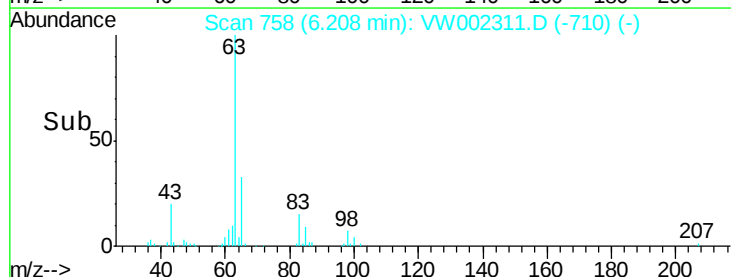
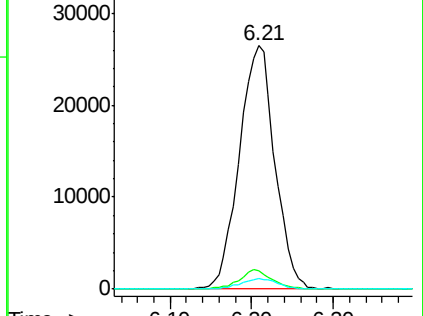
100 4.5 2.0 6.0

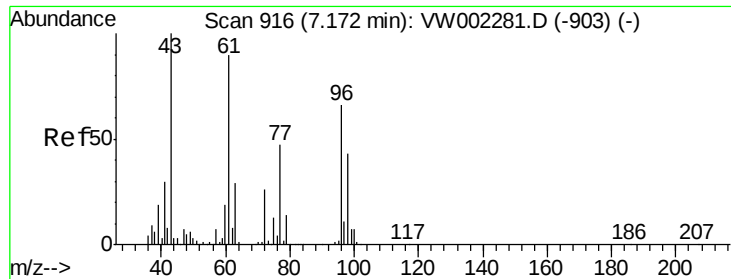


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.86 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

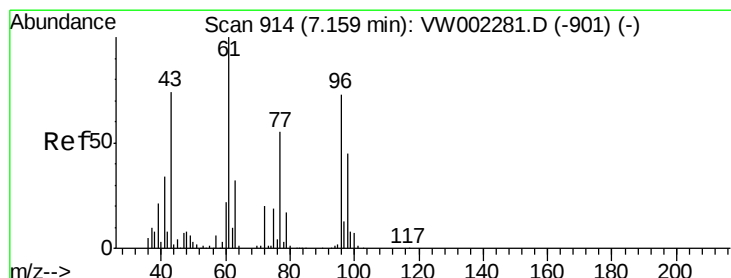
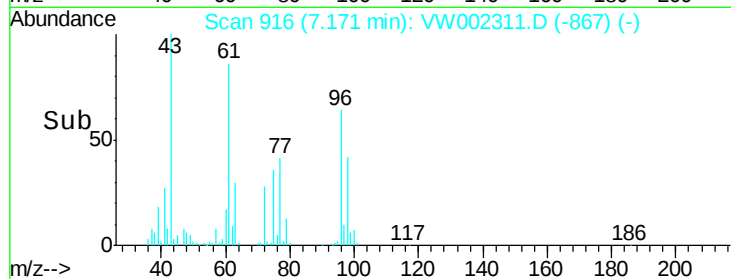
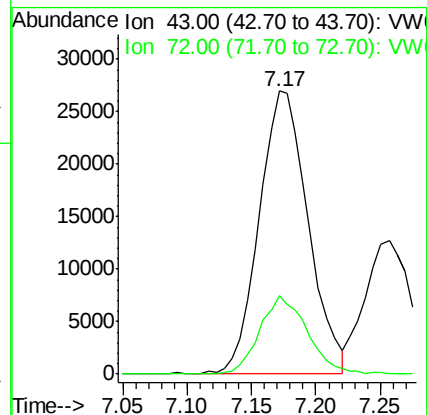
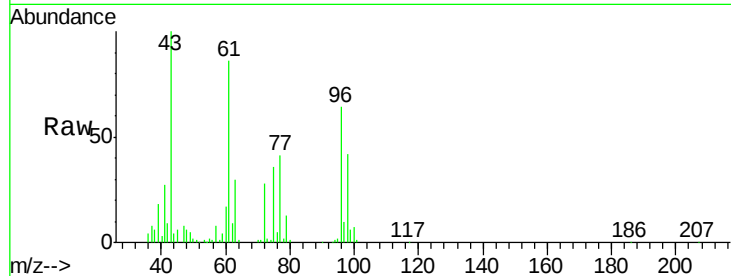
VW0508SBS02

Tot Ion: 43 Resp: 71040

Ion Ratio Lower Upper

43 100

72 27.6 20.6 31.0



#26

2,2-Dichloropropane

Concen: 19.33 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW002311.D

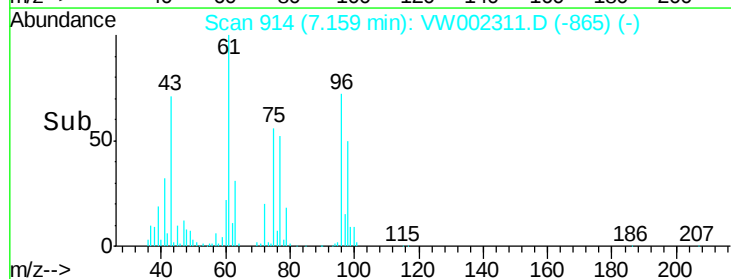
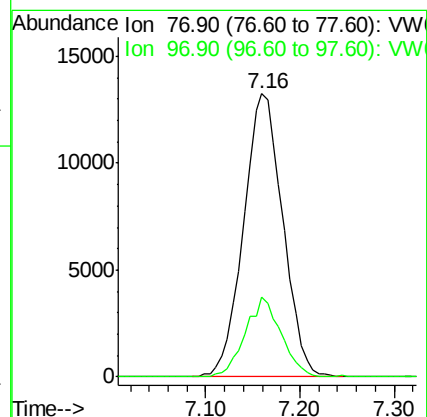
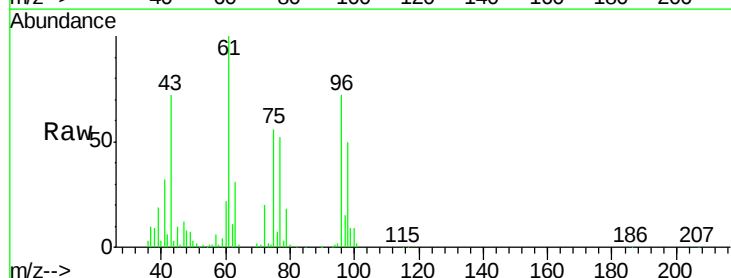
Acq: 08 May 2018 23:59

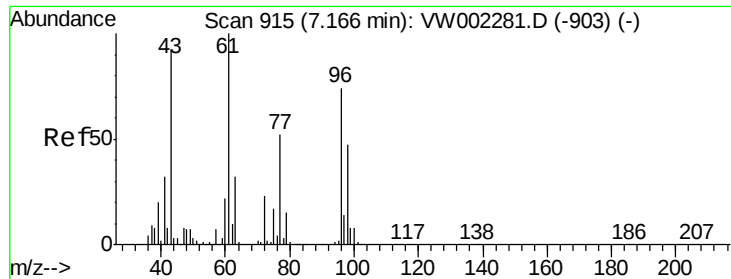
Tgt Ion: 77 Resp: 38566

Ion Ratio Lower Upper

77 100

97 25.6 12.7 38.0

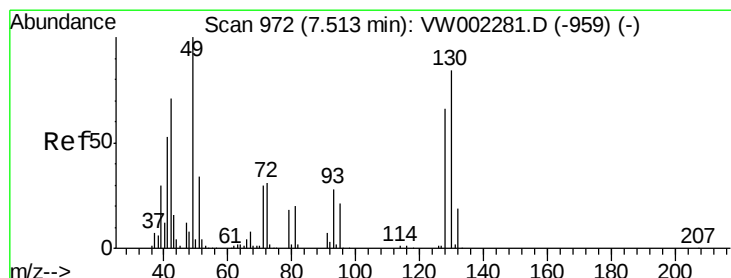
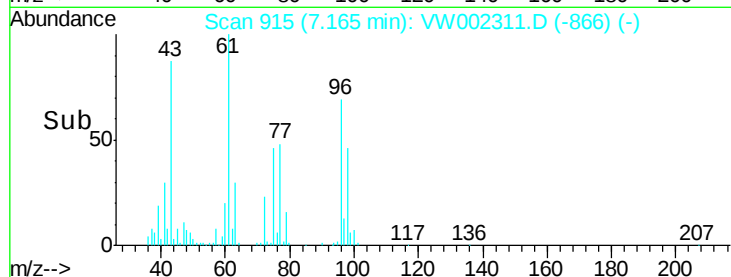
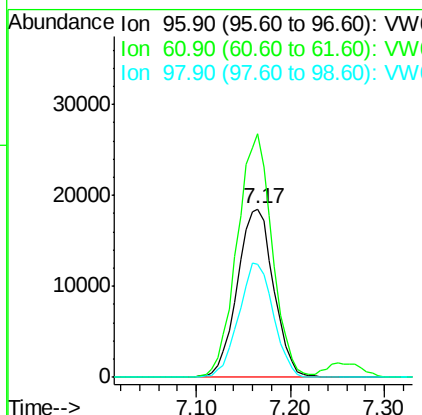
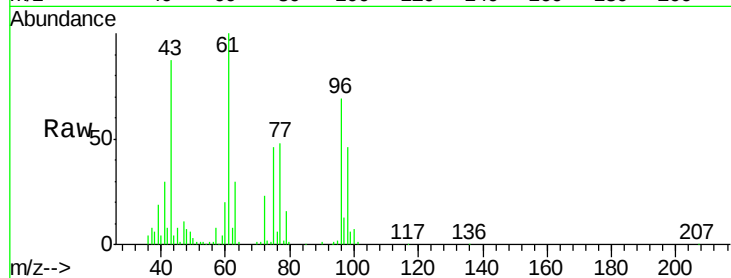




#27
 cis-1,2-Dichloroethene
 Concen: 20.00 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

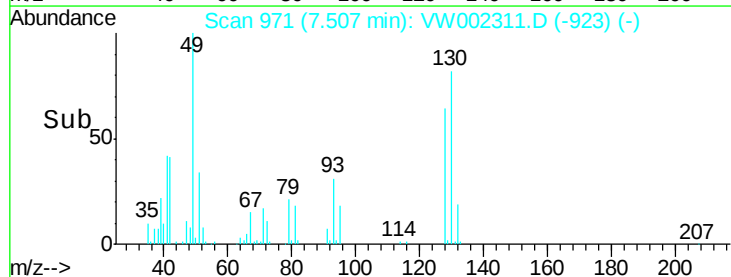
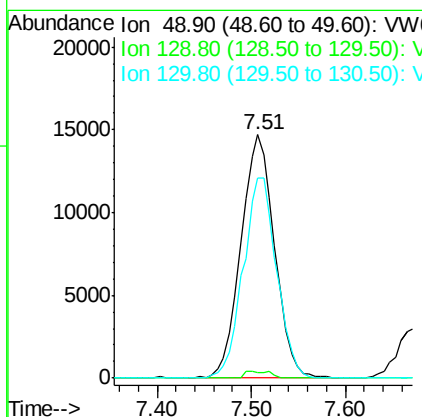
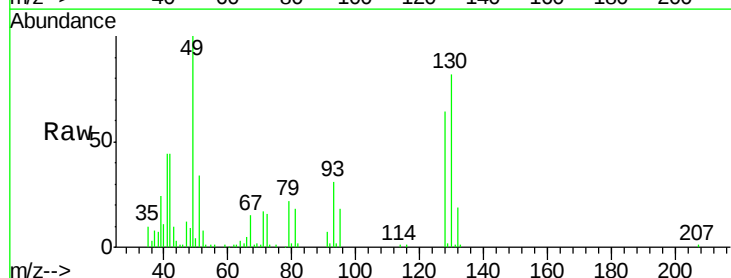
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

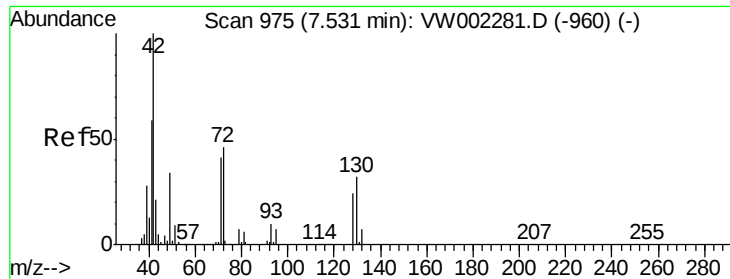
Tot Ion: 96 Resp: 49891
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 274.8
 98 64.7 0.0 128.4



#28
 Bromochloromethane
 Concen: 20.24 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 49 Resp: 36645
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 2.4
 130 82.2 65.5 98.3

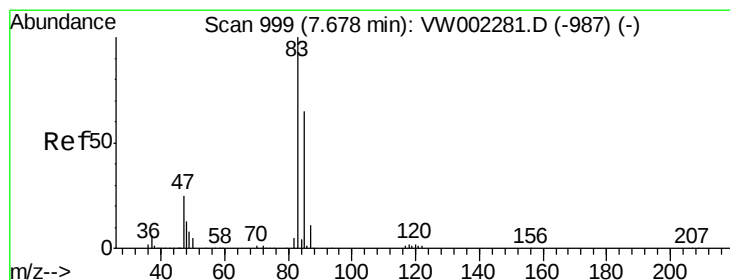
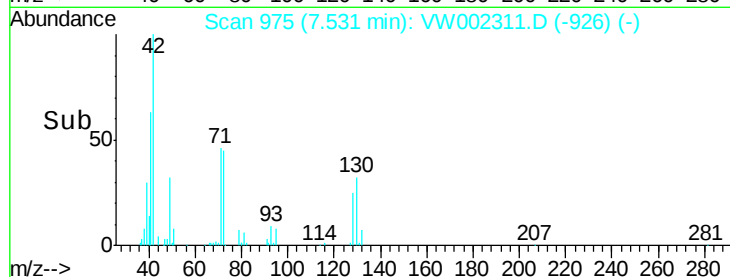
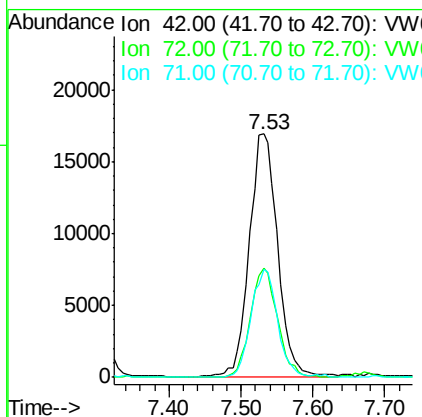
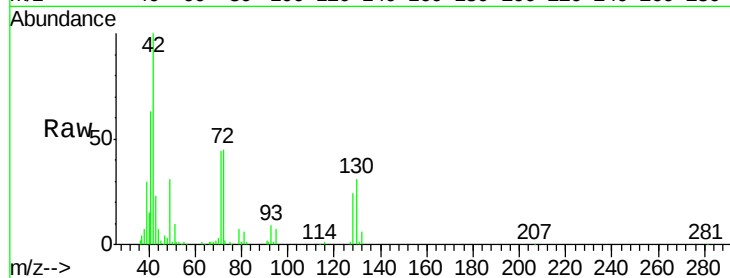




#29
Tetrahydrofuran
Concen: 101.92 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

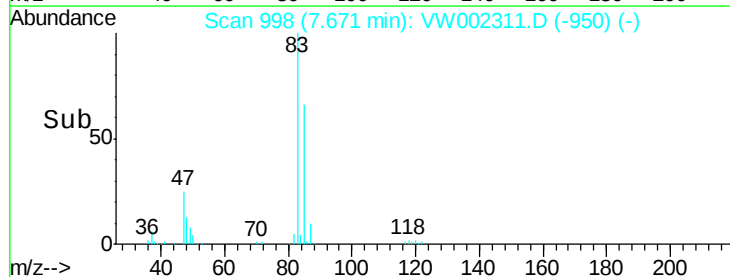
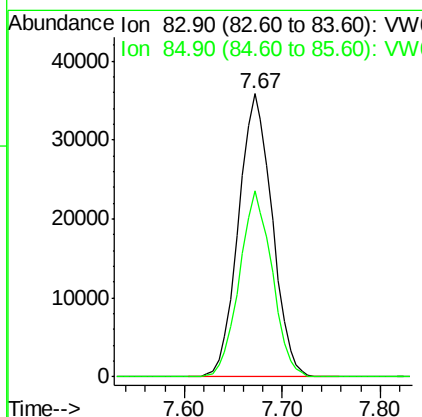
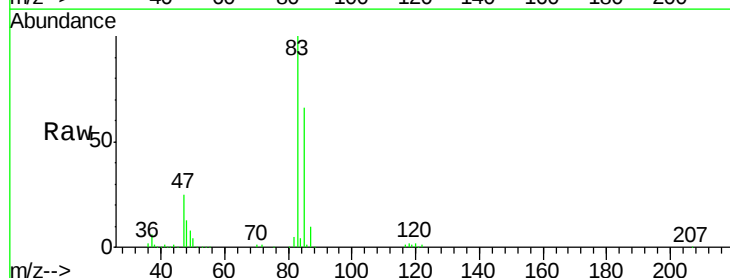
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

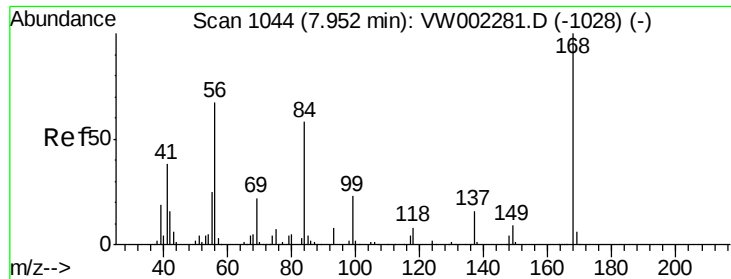
Tot Ion: 42 Resp: 46620
Ion Ratio Lower Upper
42 100
72 42.8 34.5 51.7
71 41.1 33.0 49.6



#30
Chloroform
Concen: 20.39 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 83 Resp: 85466
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.6





#31

Cyclohexane

Concen: 19.14 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

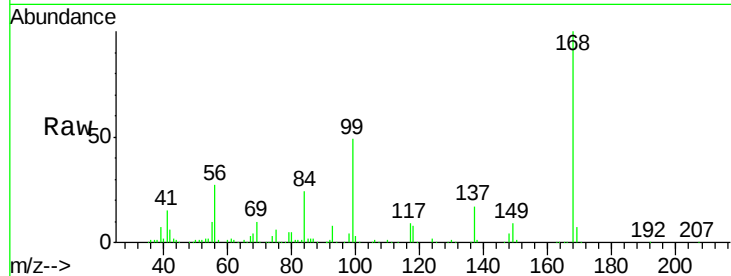
Tot Ion: 56 Resp: 68400

Ion Ratio Lower Upper

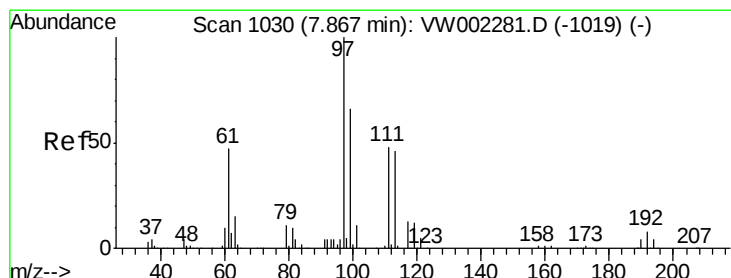
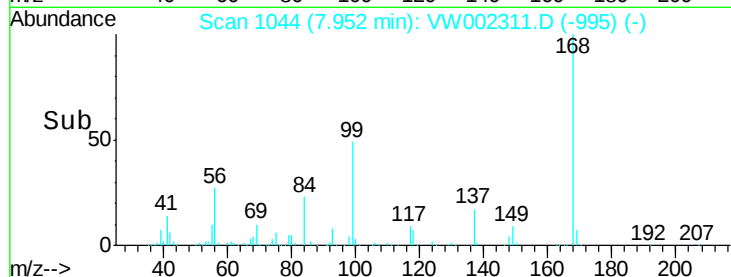
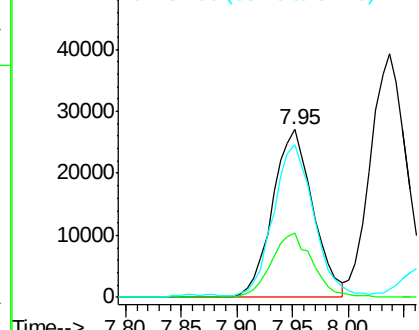
56 100

69 38.6 26.2 39.4

84 89.3 69.2 103.8



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



#32

1,1,1-Trichloroethane

Concen: 19.72 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

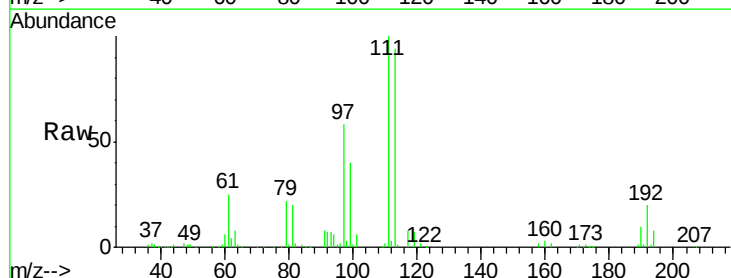
Tgt Ion: 97 Resp: 62122

Ion Ratio Lower Upper

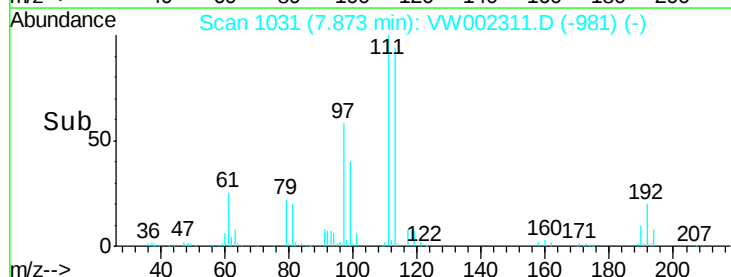
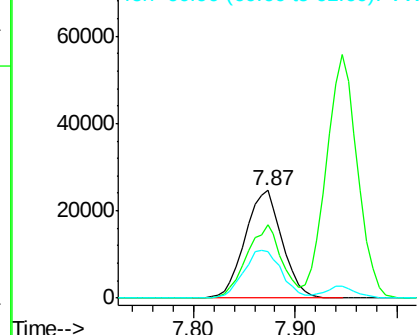
97 100

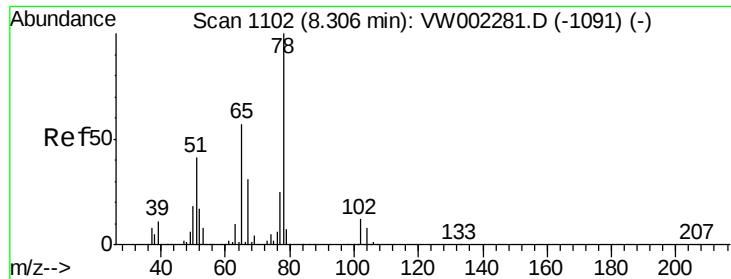
99 64.4 52.6 79.0

61 45.8 35.6 53.4



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

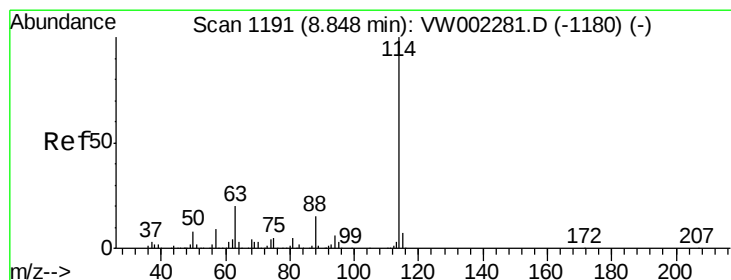
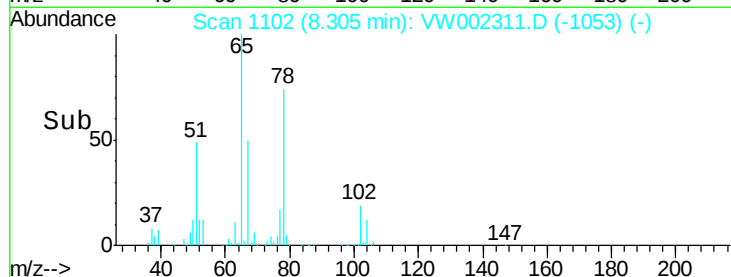
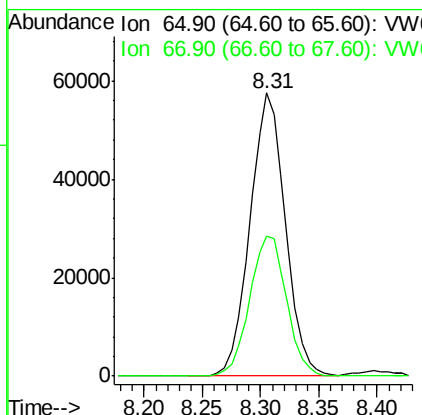
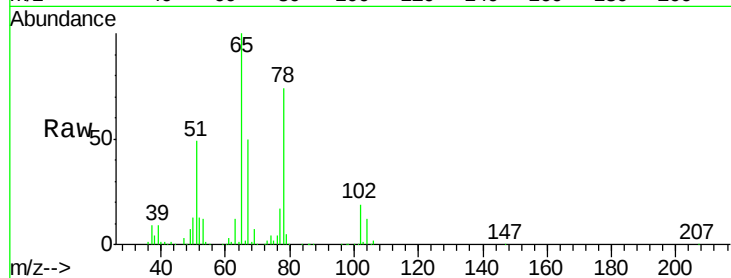




#33
 1,2-Dichloroethane-d4
 Concen: 50.50 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

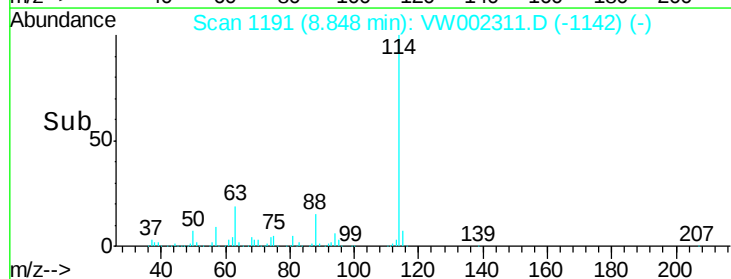
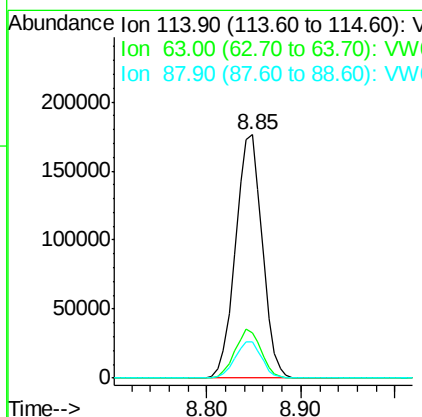
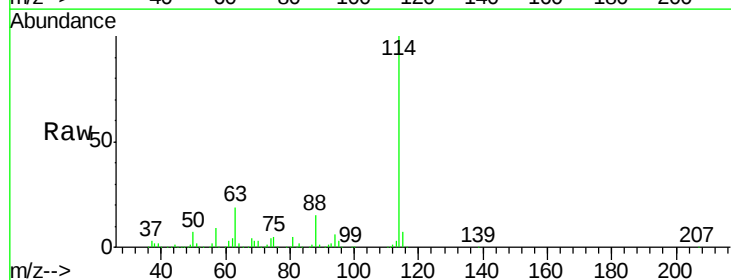
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

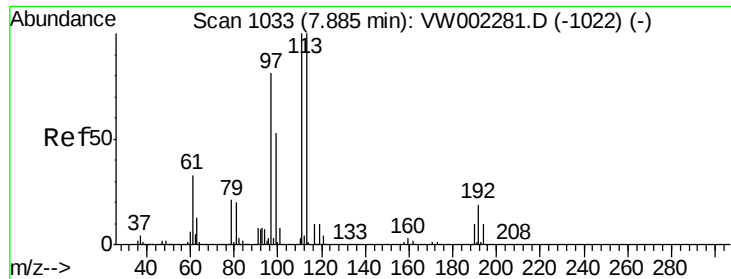
Tot Ion: 65 Resp: 121457
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 114 Resp: 347039
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 14.9 0.0 29.6

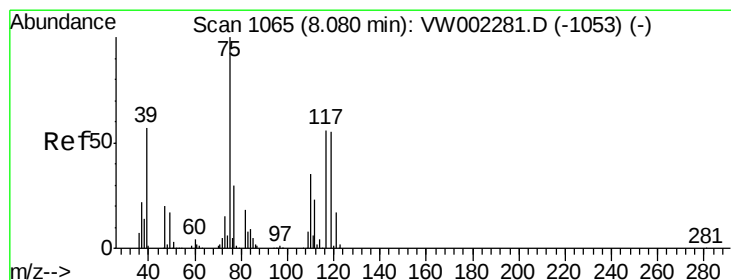
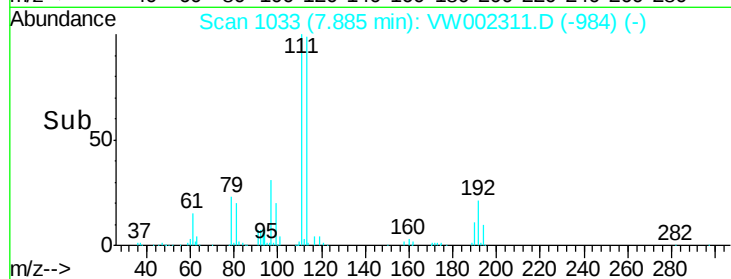
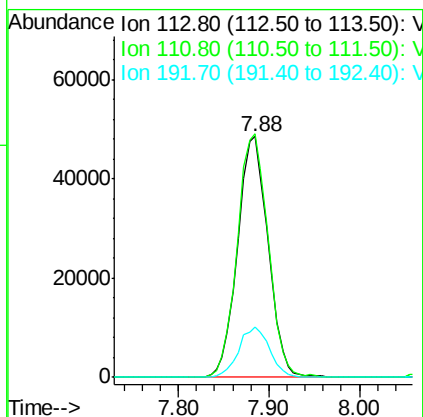
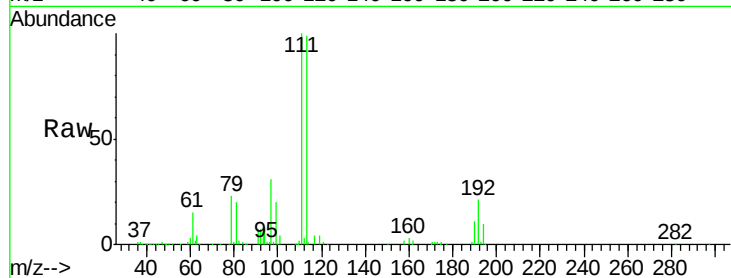




#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

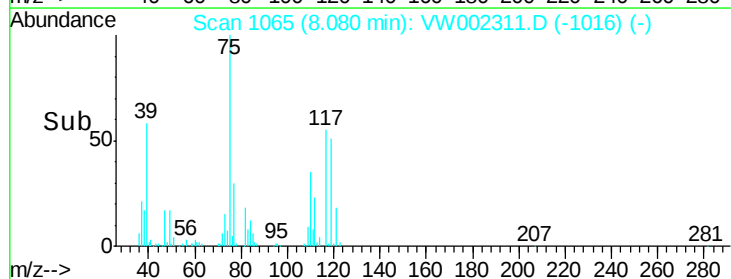
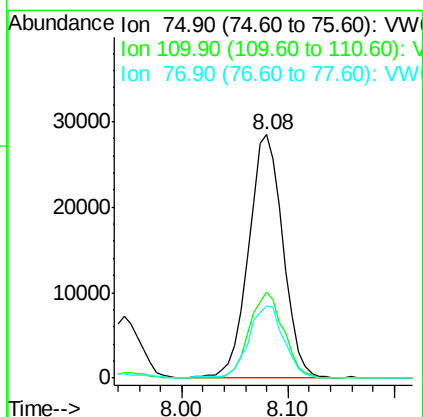
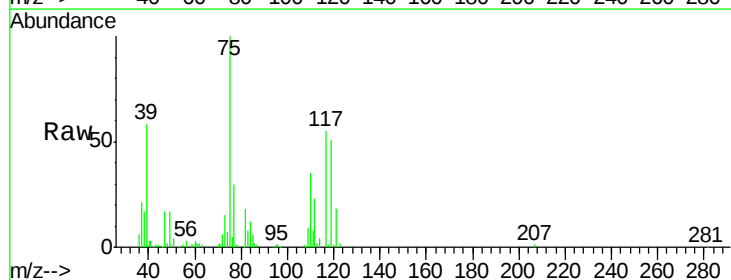
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

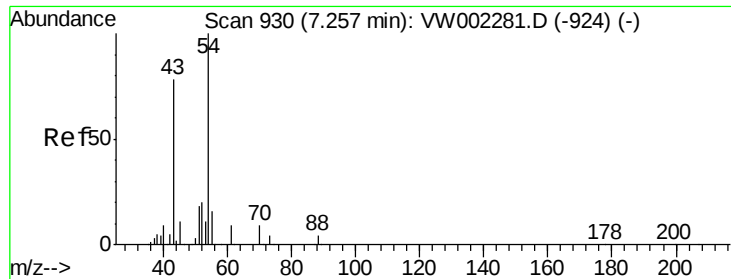
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	21.0	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 20.63 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.1
77	30.6	24.5	36.7

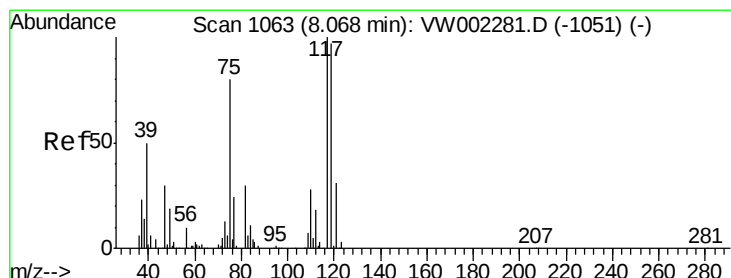
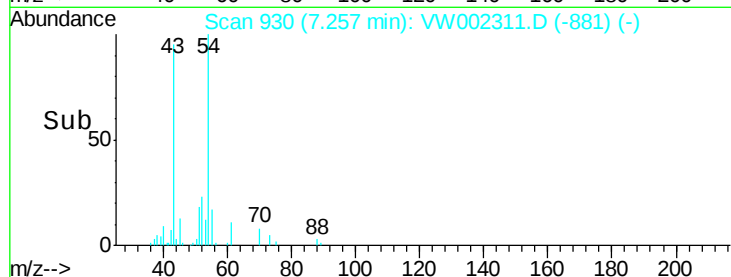
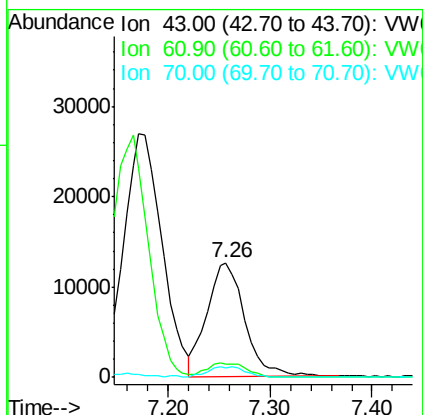
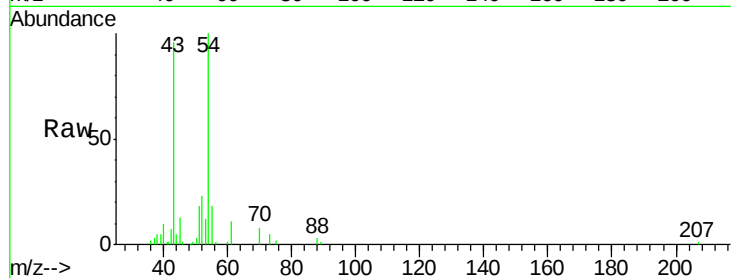




#37
Ethyl Acetate
Concen: 21.37 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

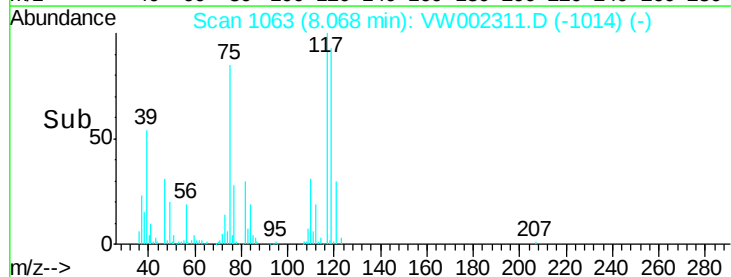
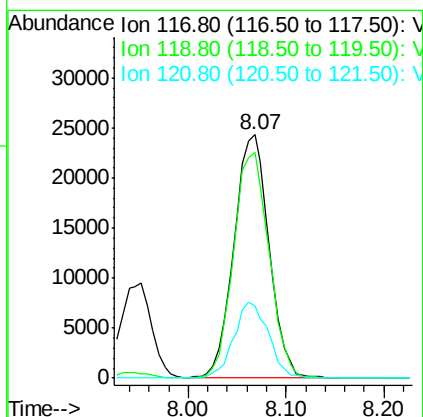
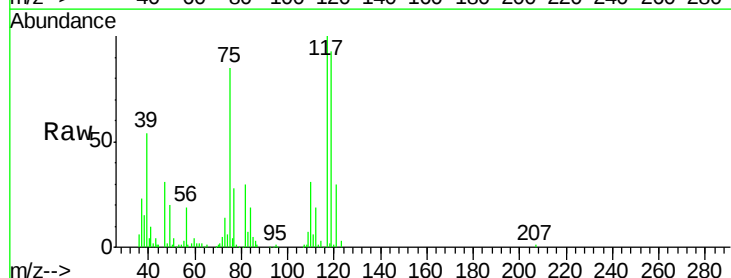
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

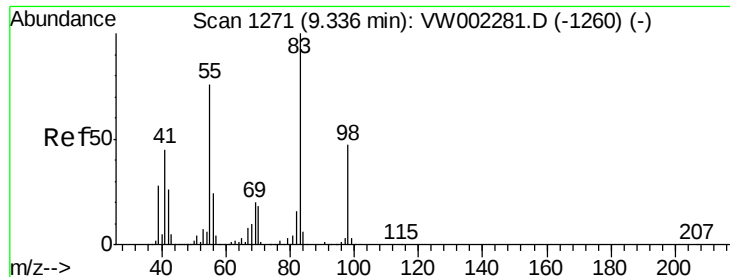
Tot Ion: 43 Resp: 32690
Ion Ratio Lower Upper
43 100
61 13.7 11.1 16.7
70 9.5 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.91 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 117 Resp: 60425
Ion Ratio Lower Upper
117 100
119 92.8 77.5 116.3
121 29.8 24.4 36.6

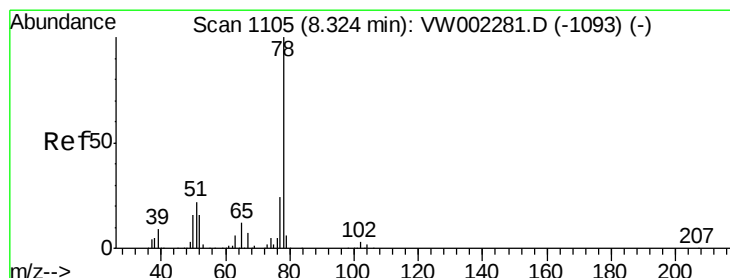
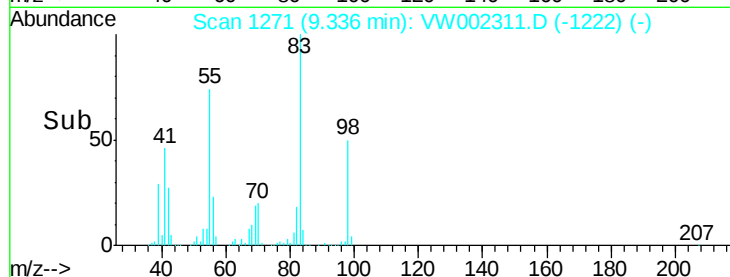
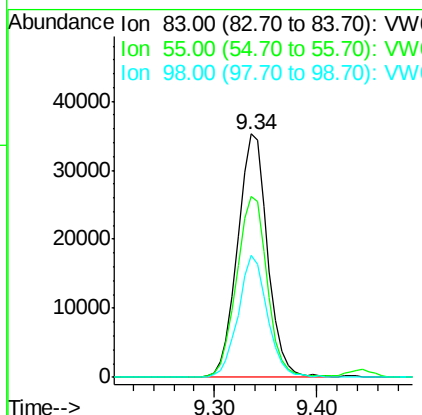
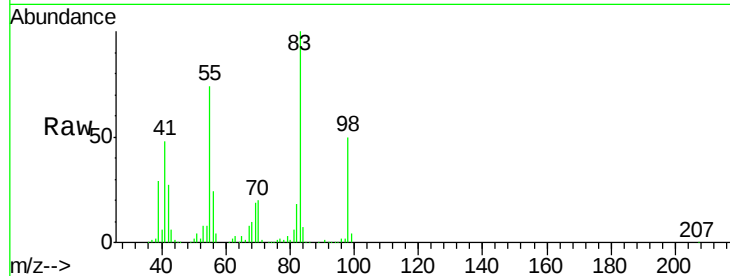




#39
Methvlcvclohexane
Concen: 19.64 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

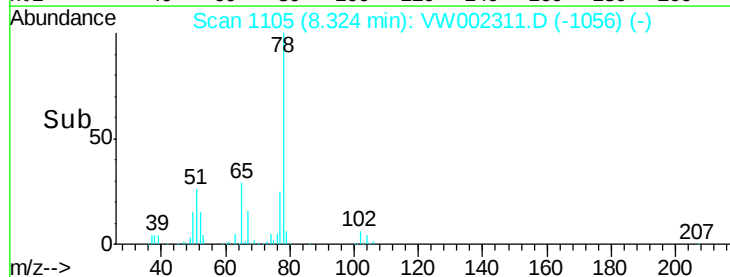
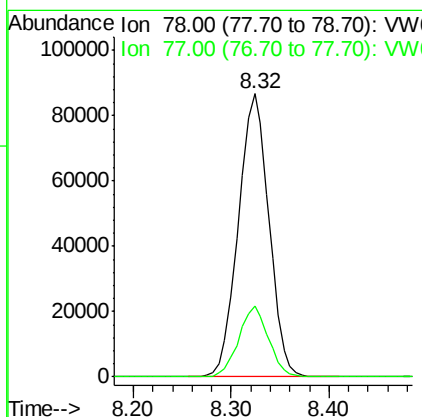
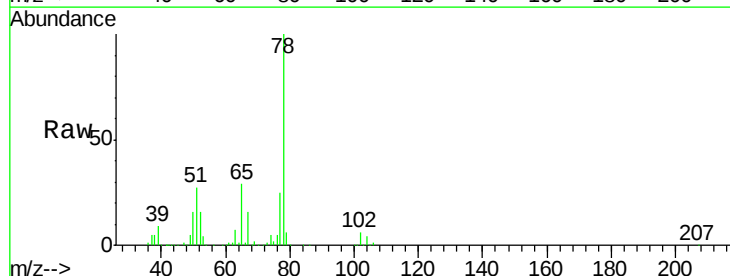
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

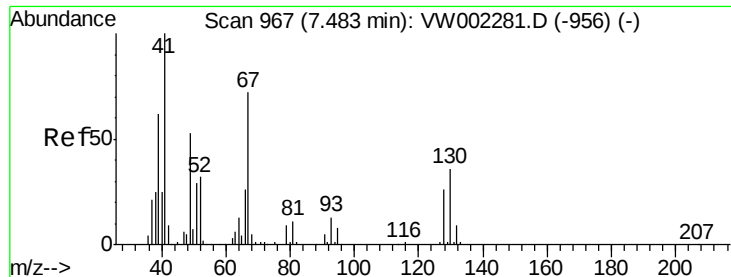
Tot Ion: 83 Resp: 71946
Ion Ratio Lower Upper
83 100
55 74.2 60.6 91.0
98 50.0 37.4 56.0



#40
Benzene
Concen: 20.55 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 78 Resp: 188576
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9





#41

Methacrylonitrile

Concen: 20.40 ug/l

RT: 7.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

Tot Ion: 41 Resp: 17882

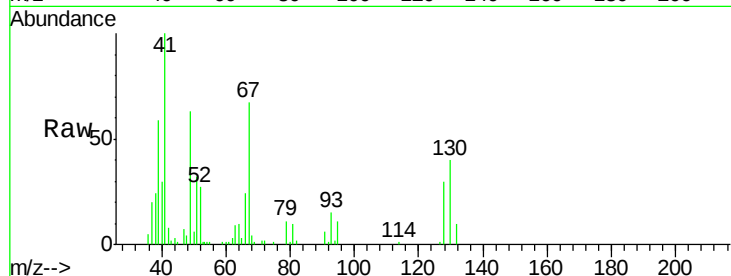
Ion Ratio Lower Upper

41 100

39 55.0 40.2 60.4

67 75.7 54.7 82.1

52 33.4 23.6 35.4

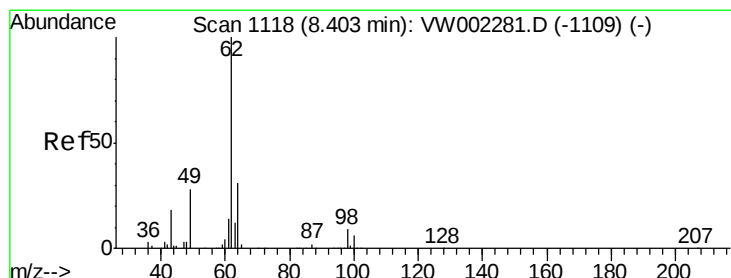
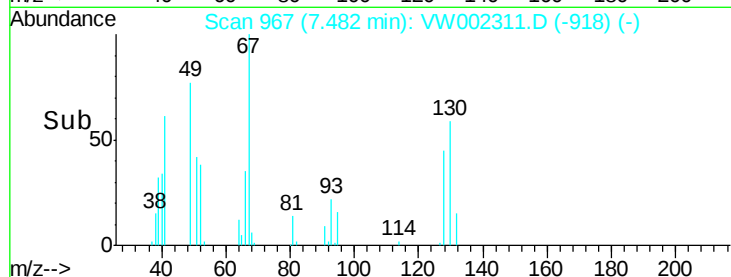
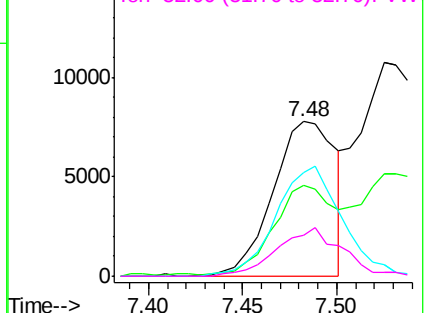


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.51 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW002311.D

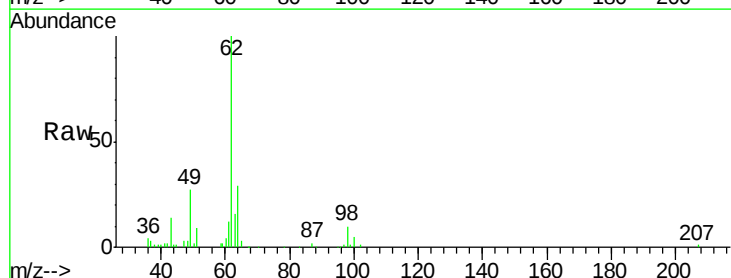
Acq: 08 May 2018 23:59

Tgt Ion: 62 Resp: 58692

Ion Ratio Lower Upper

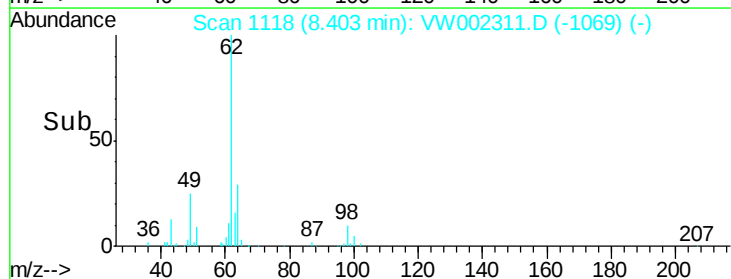
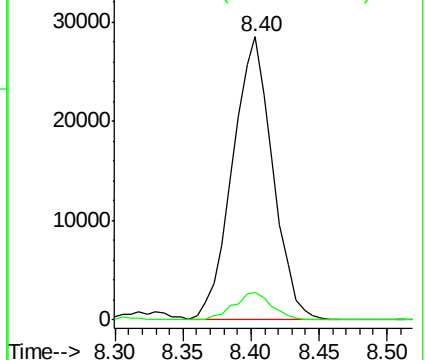
62 100

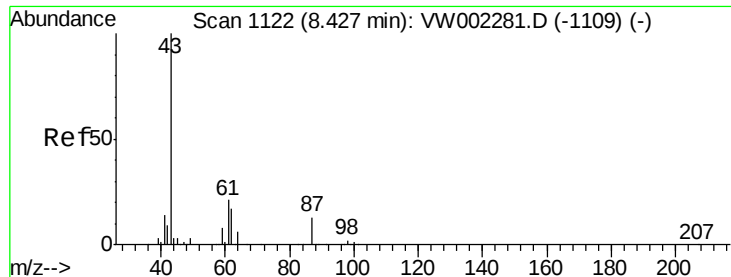
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



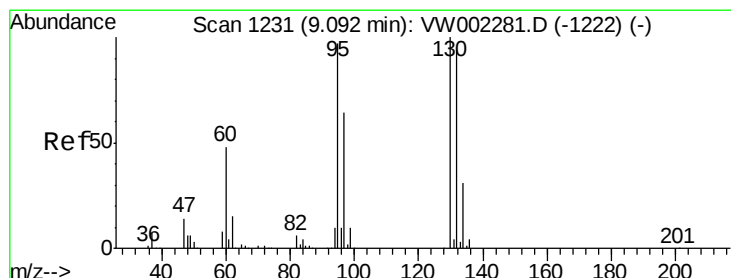
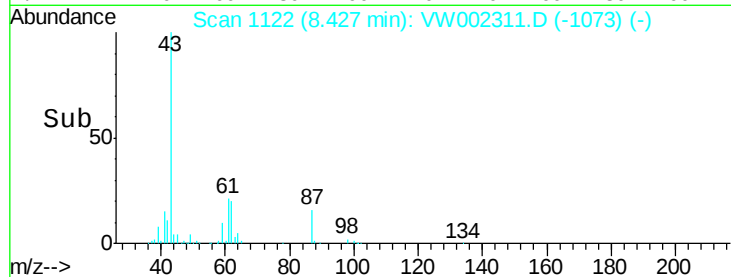
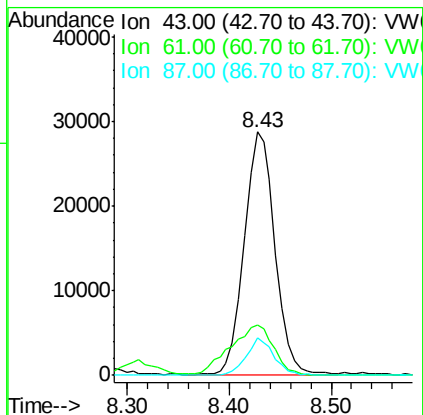
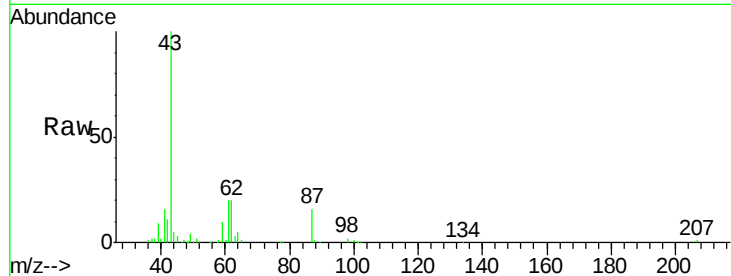


#43

Isopropyl Acetate
 Concen: 20.75 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

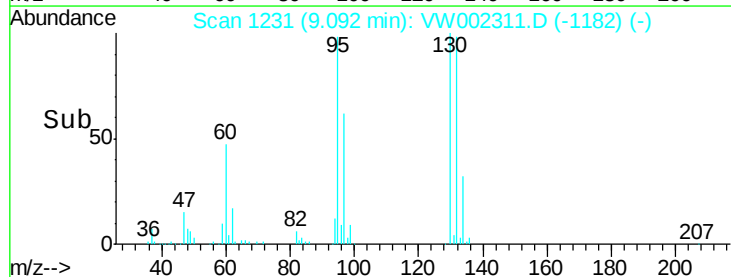
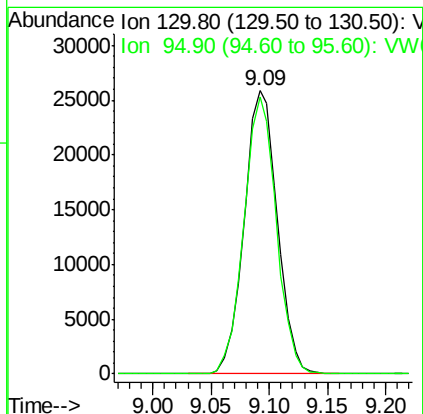
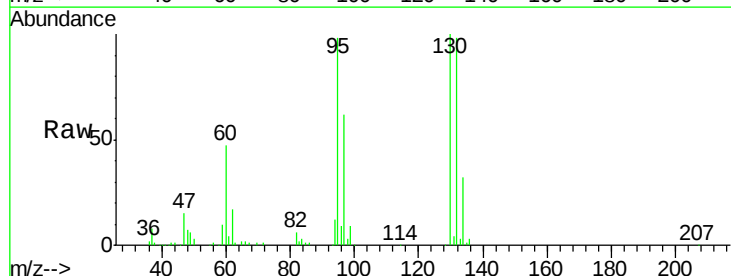
Tot Ion	43	Resp	60211
Ion Ratio	Lower	Upper	
43	100		
61	29.2	23.7	35.5
87	14.0	10.7	16.1

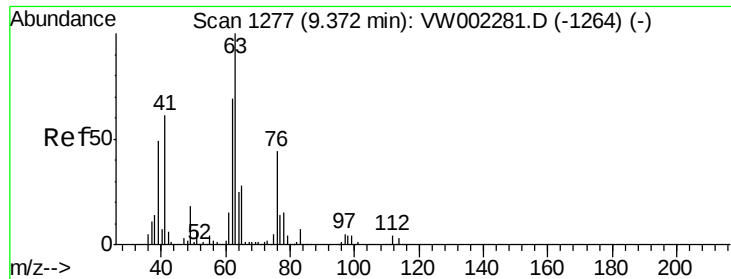


#44

Trichloroethene
 Concen: 20.48 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion	130	Resp	51225
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
130	100		
95	97.7	0.0	193.4

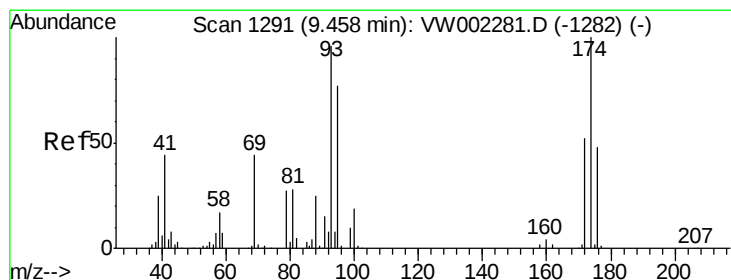
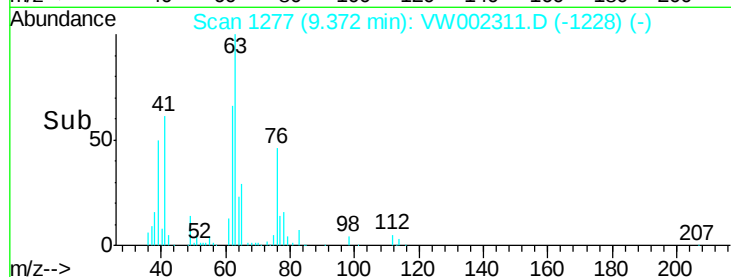
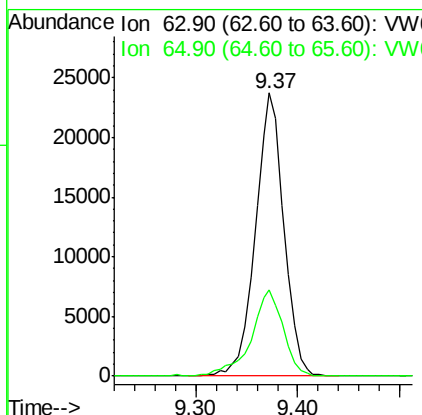
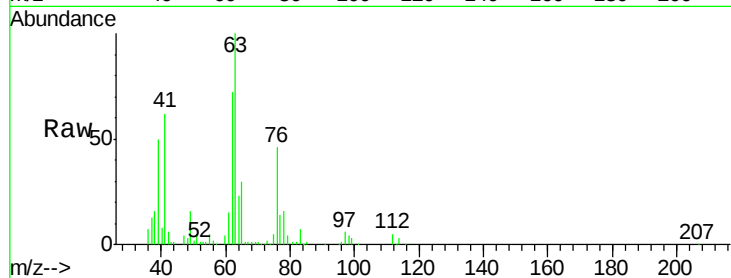




#45
 1,2-Dichloropropane
 Concen: 19.98 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

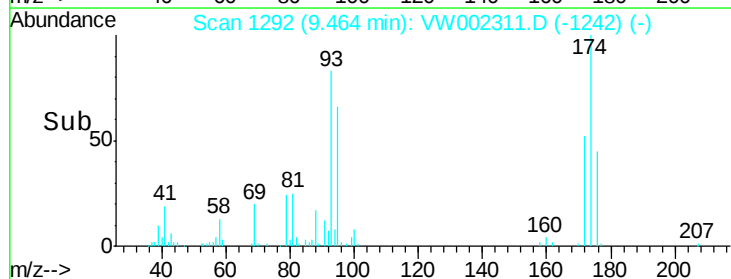
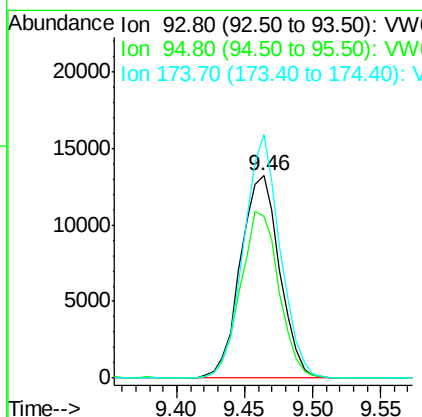
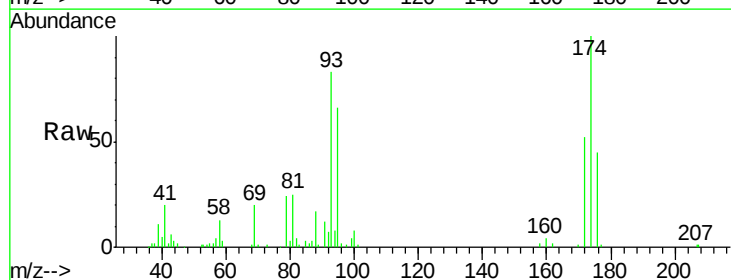
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

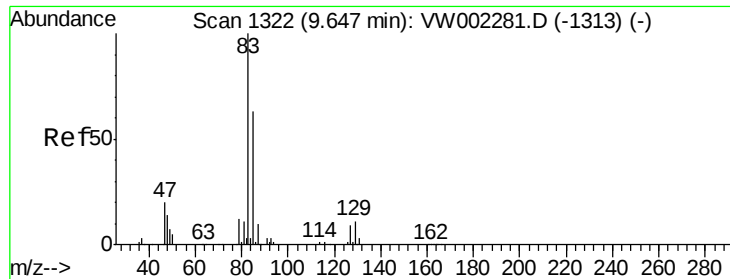
Tot Ion: 63 Resp: 45918
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.9 34.3



#46
 Dibromomethane
 Concen: 20.76 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 93 Resp: 26669
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.4 99.6
 174 111.6 86.8 130.2

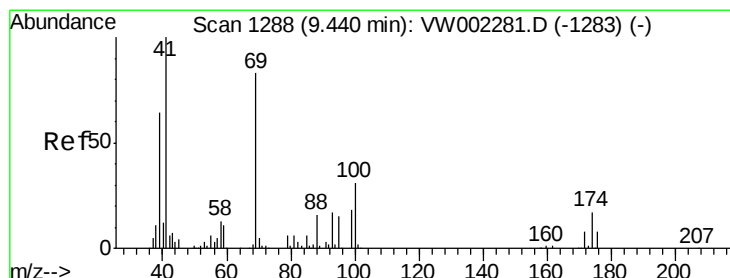
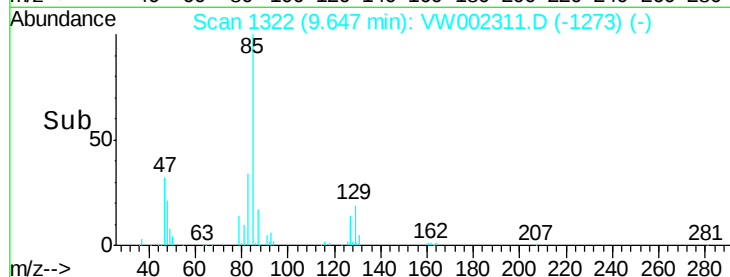
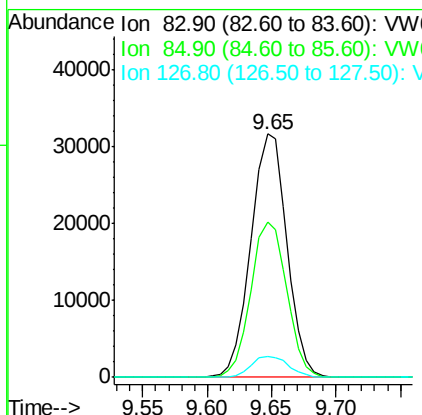
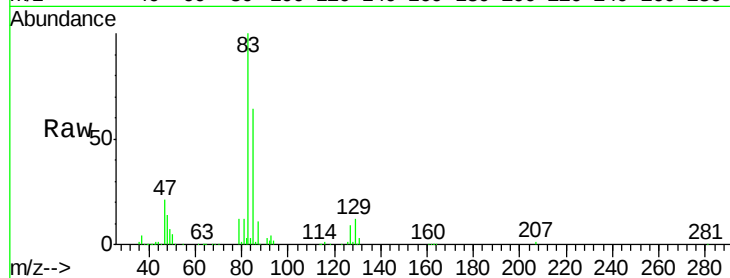




#47
Bromodichloromethane
Concen: 20.21 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

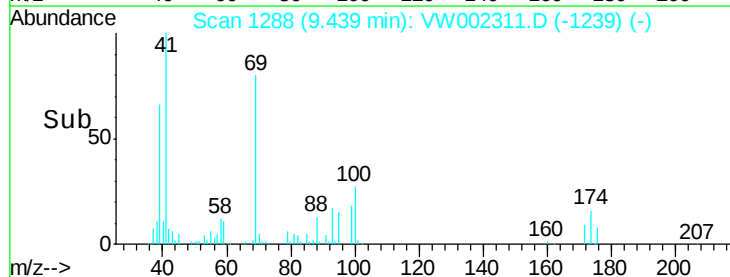
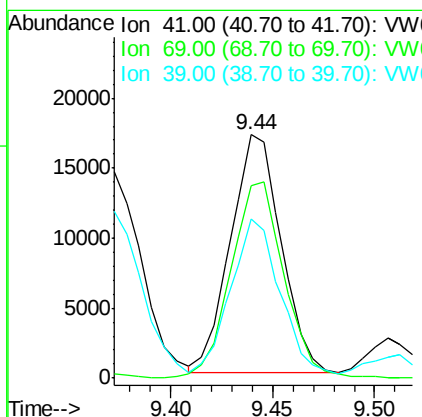
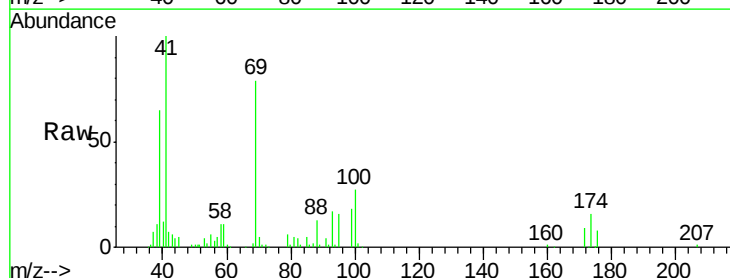
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

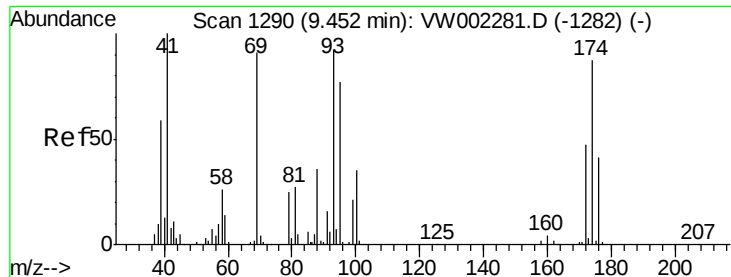
Tot Ion: 83 Resp: 61270
Ion Ratio Lower Upper
83 100
85 64.0 50.2 75.2
127 8.8 6.9 10.3



#48
Methyl methacrylate
Concen: 20.71 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 41 Resp: 29176
Ion Ratio Lower Upper
41 100
69 87.0 69.9 104.9
39 65.9 54.0 81.0





#49

1,4-Dioxane

Concen: 400.12 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

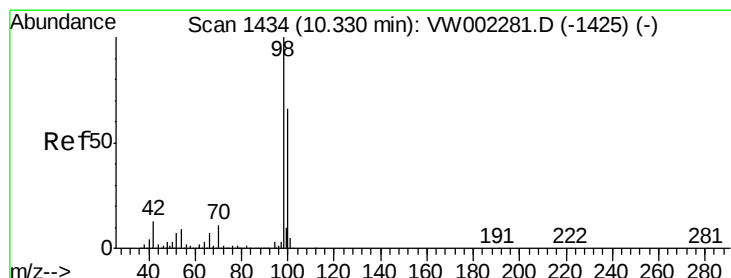
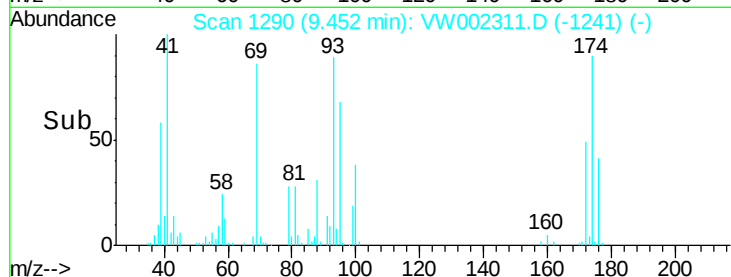
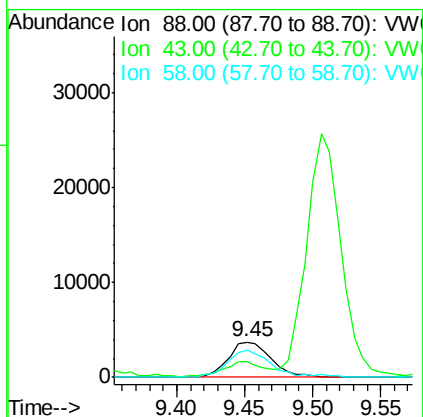
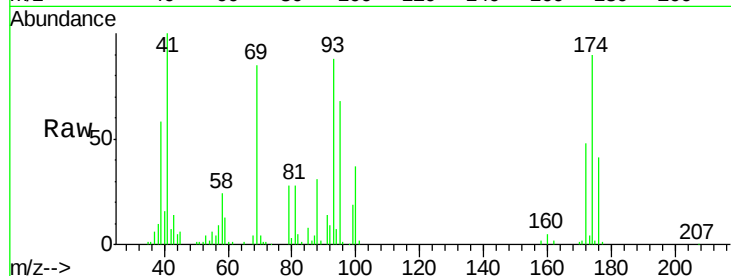
Tot Ion: 88 Resp: 8167

Ion Ratio Lower Upper

88 100

43 37.5 26.3 39.5

58 80.0 56.0 84.0



#50

Toluene-d8

Concen: 50.80 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002311.D

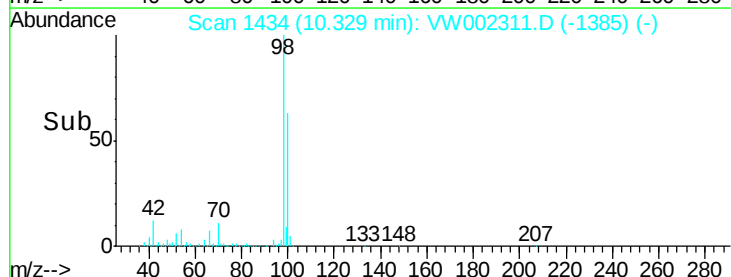
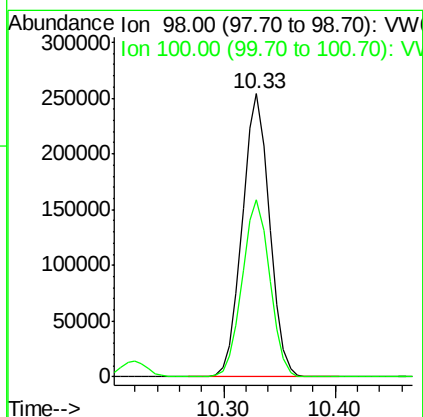
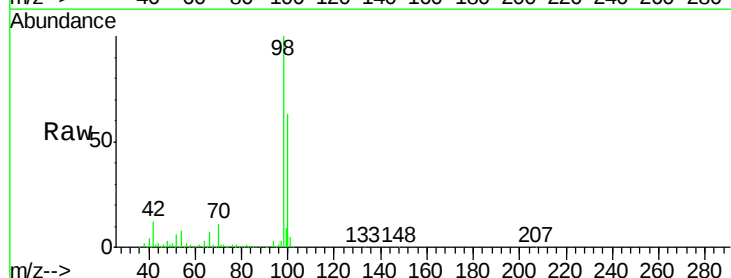
Acq: 08 May 2018 23:59

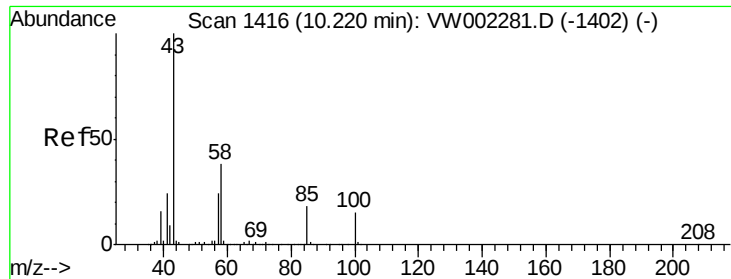
Tgt Ion: 98 Resp: 430944

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 102.07 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampled :

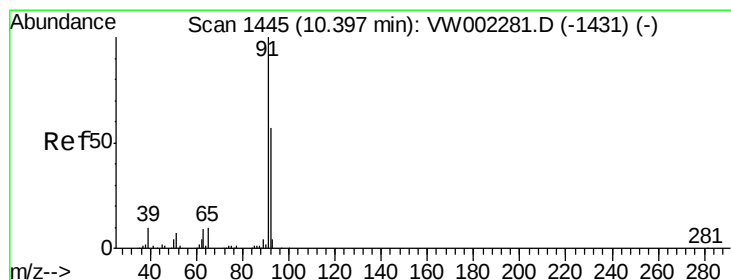
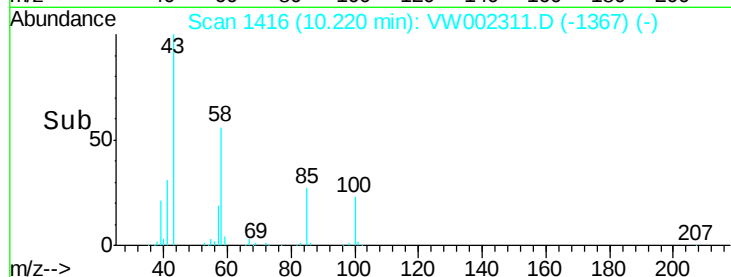
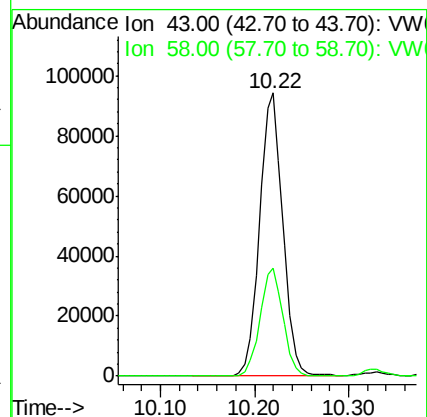
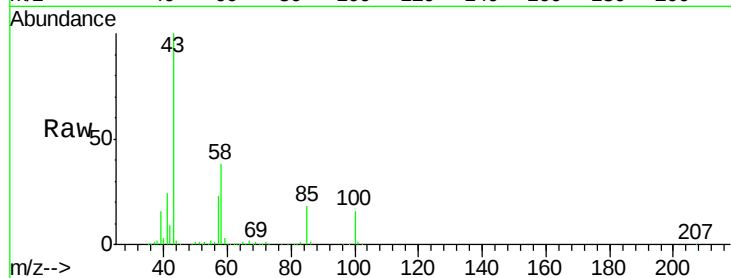
VW0508SBS02

Tot Ion: 43 Resp: 163394

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2



#52

Toluene

Concen: 20.66 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002311.D

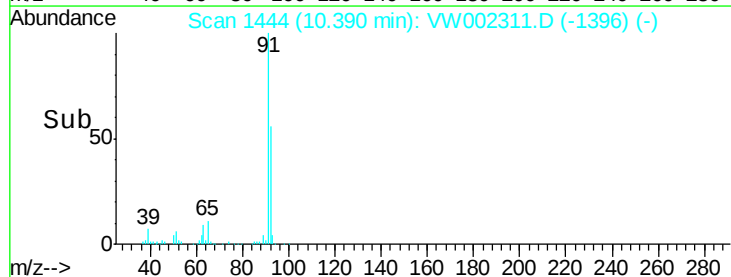
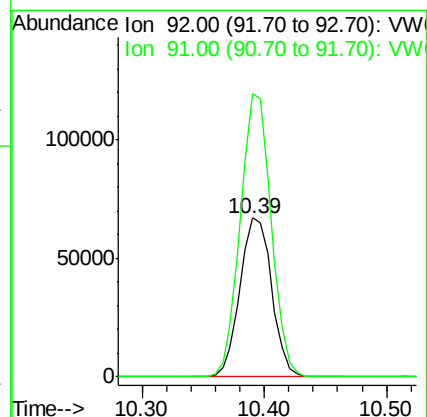
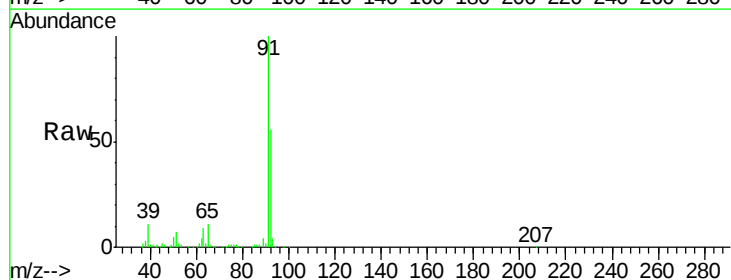
Acq: 08 May 2018 23:59

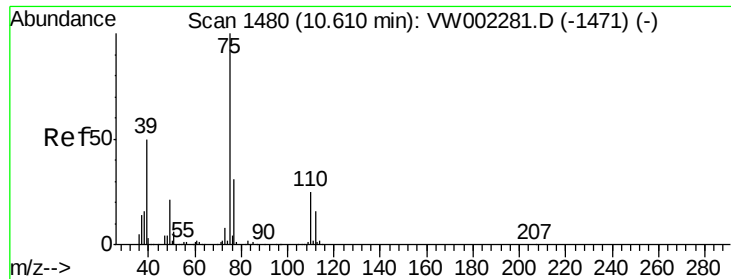
Tgt Ion: 92 Resp: 120406

Ion Ratio Lower Upper

92 100

91 173.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 20.27 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

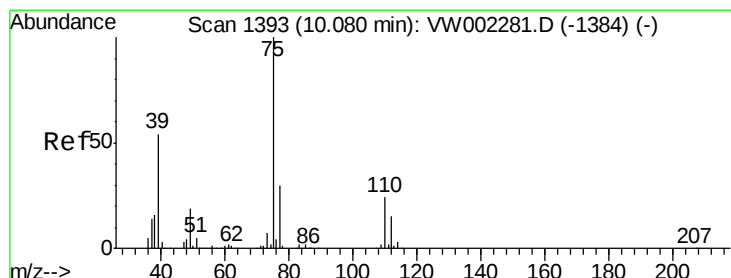
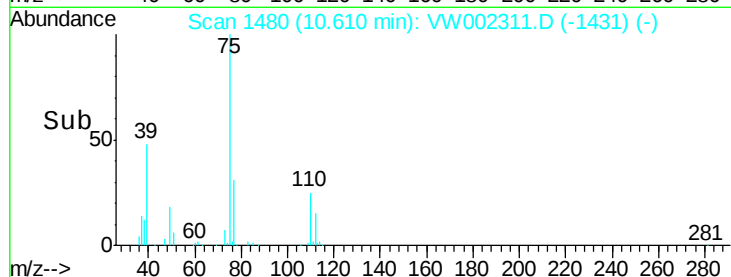
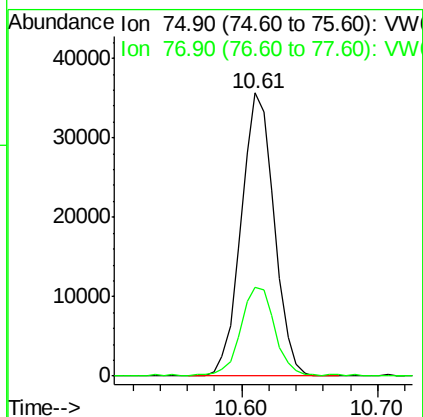
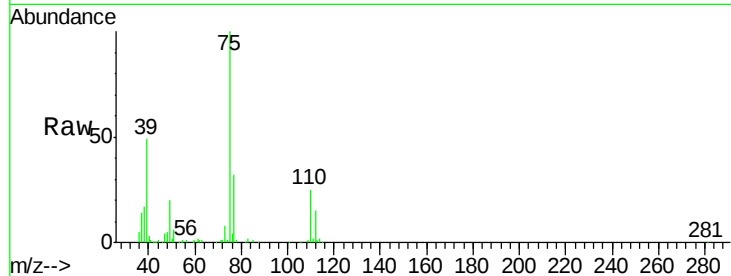
VW0508SBS02

Tot Ion: 75 Resp: 60445

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

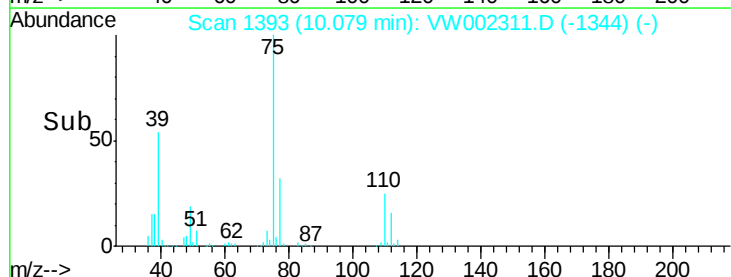
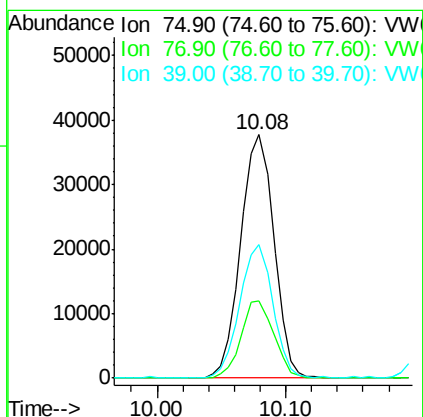
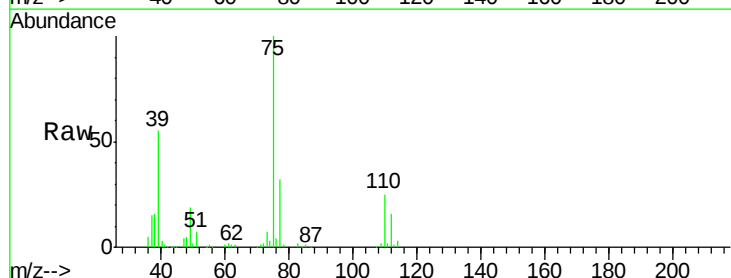
Tgt Ion: 75 Resp: 67619

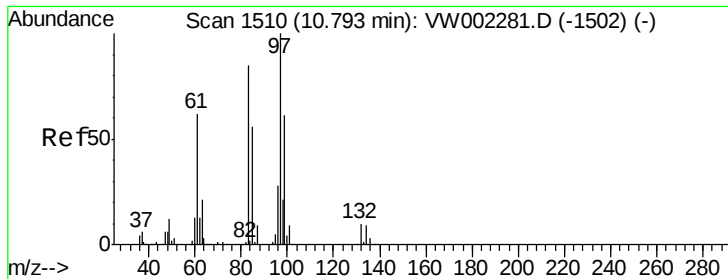
Ion Ratio Lower Upper

75 100

77 31.7 23.9 35.9

39 54.3 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 21.05 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

Tot Ion: 97 Resp: 38086

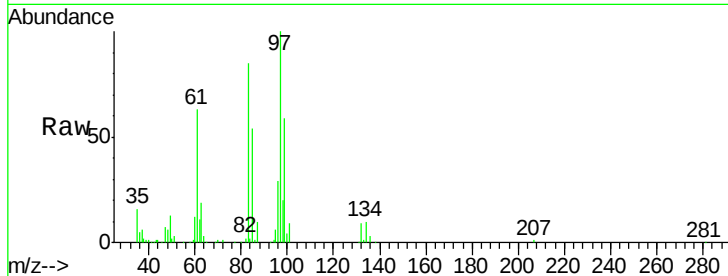
Ion Ratio Lower Upper

97 100

83 85.1 68.4 102.6

85 54.0 44.6 67.0

99 58.6 48.8 73.2

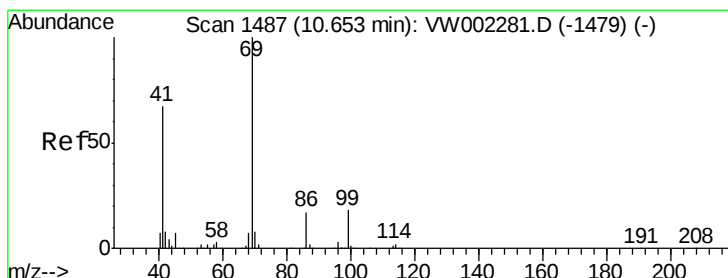
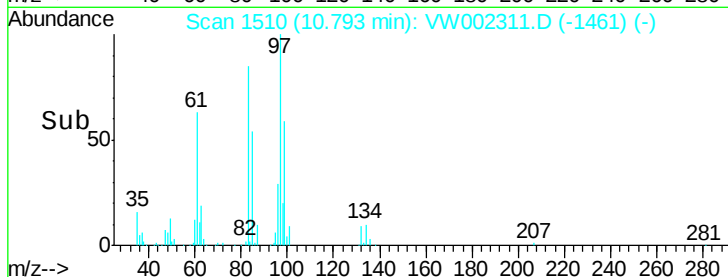
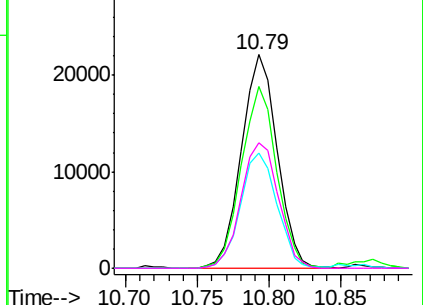


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.70 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

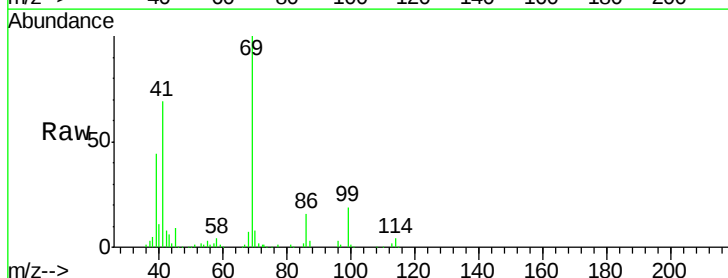
Tgt Ion: 69 Resp: 46301

Ion Ratio Lower Upper

69 100

41 69.2 56.0 84.0

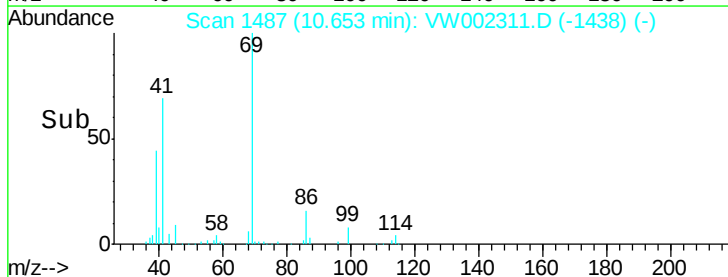
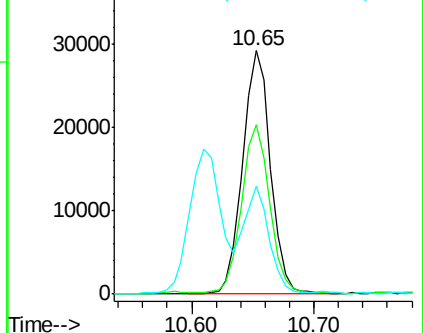
39 38.9 32.7 49.1

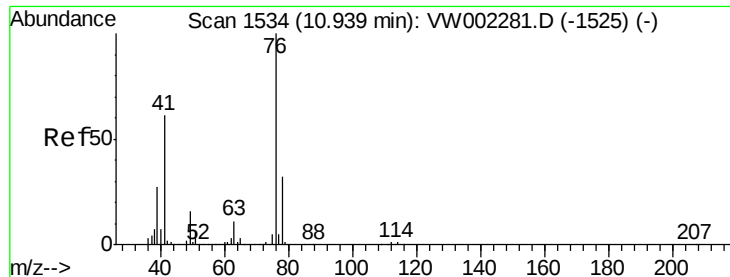


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.62 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

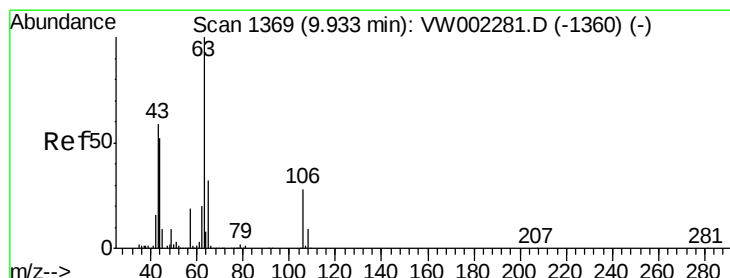
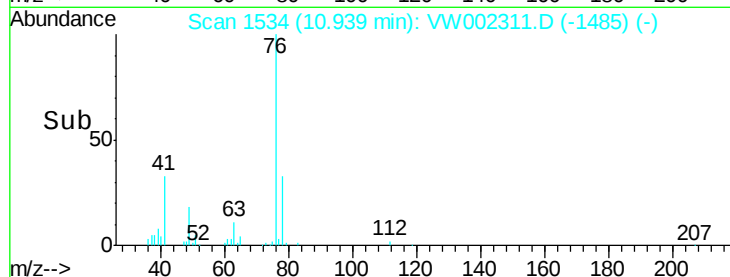
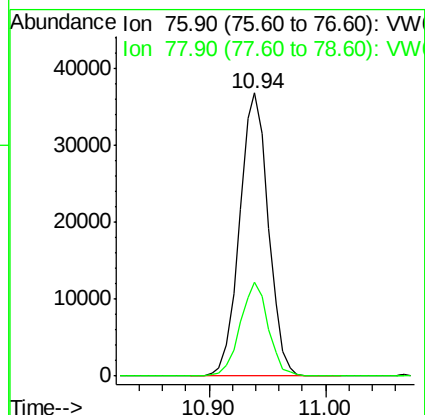
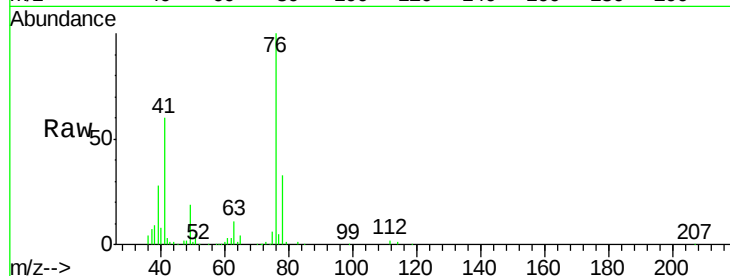
VW0508SBS02

Tot Ion: 76 Resp: 63433

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 103.09 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW002311.D

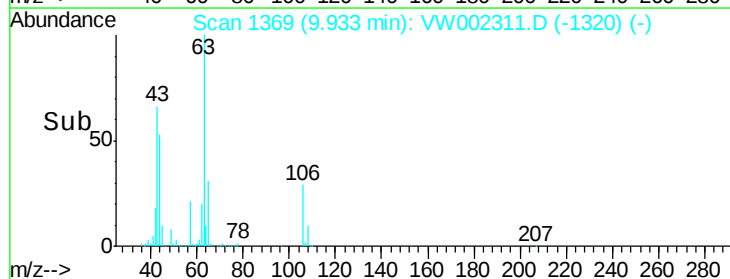
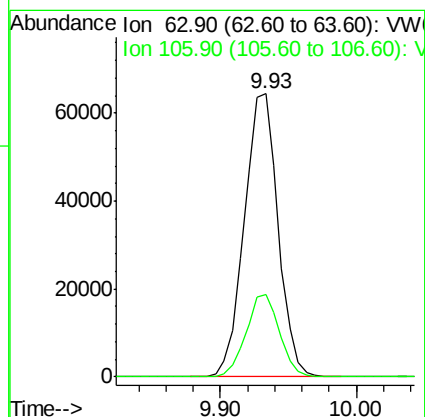
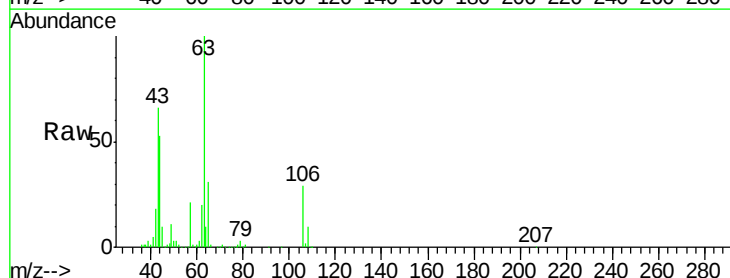
Acq: 08 May 2018 23:59

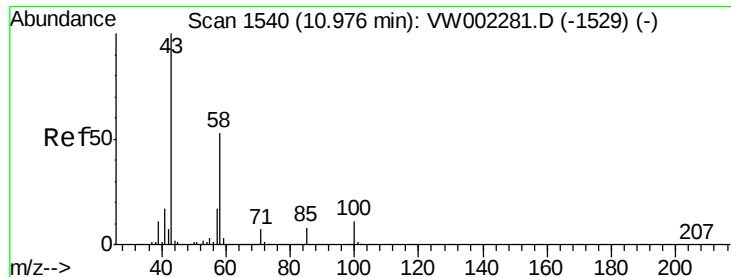
Tgt Ion: 63 Resp: 111903

Ion Ratio Lower Upper

63 100

106 28.7 22.5 33.7

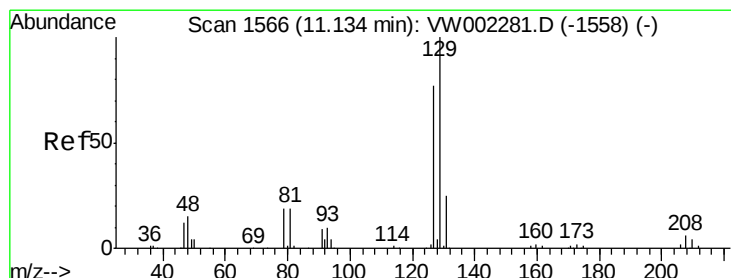
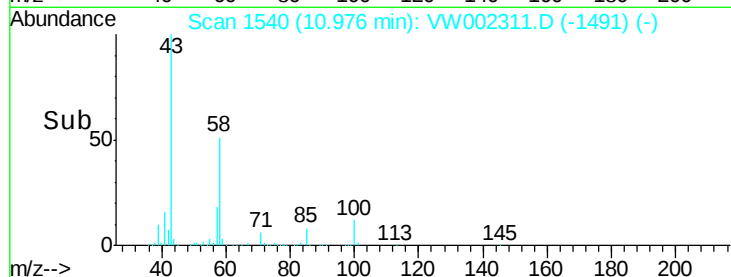
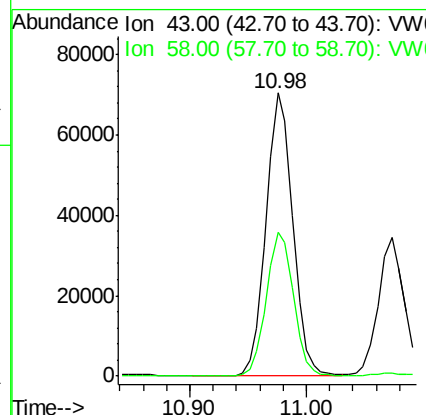
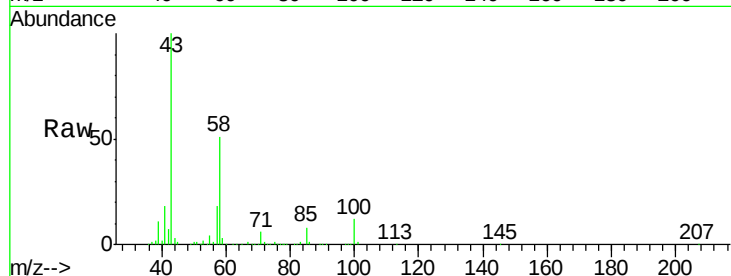




#59
2-Hexanone
Concen: 102.94 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

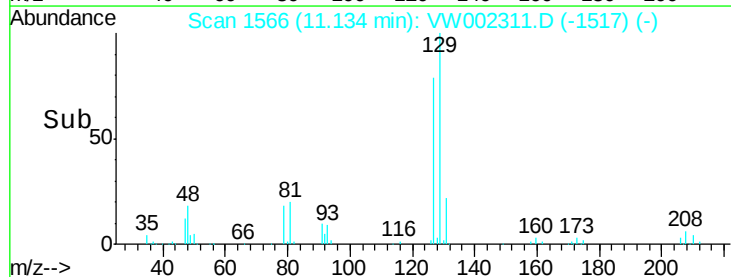
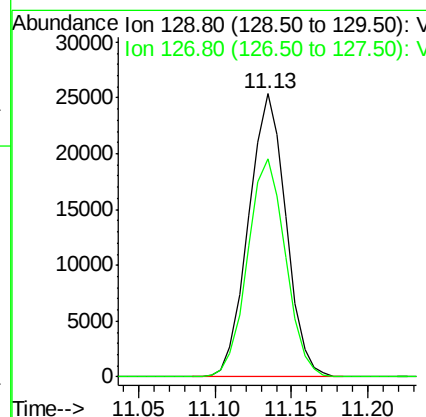
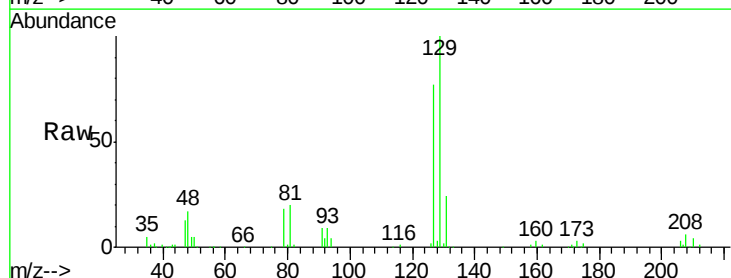
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

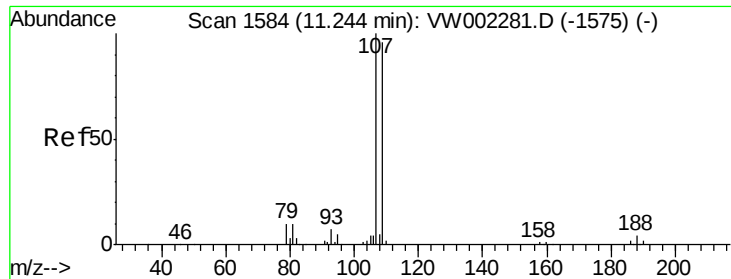
Tot Ion: 43 Resp: 112708
Ion Ratio Lower Upper
43 100
58 51.7 26.0 78.0



#60
Dibromochloromethane
Concen: 20.28 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion: 129 Resp: 43300
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9

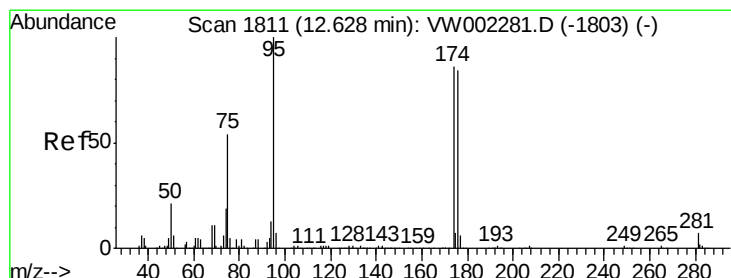
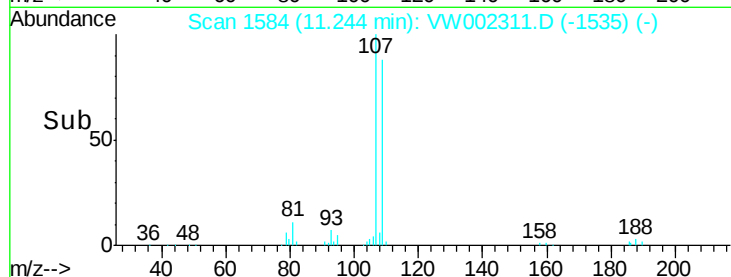
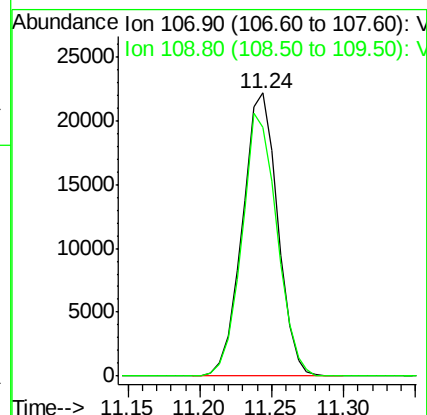
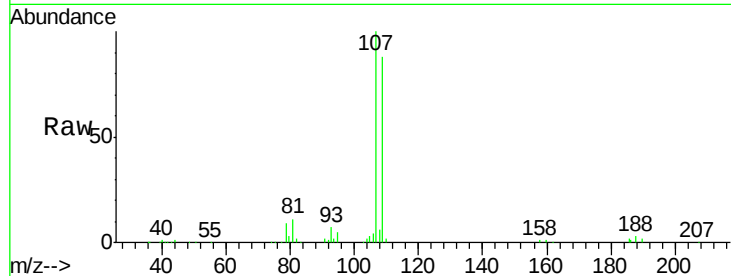




#61
 1,2-Dibromoethane
 Concen: 21.22 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

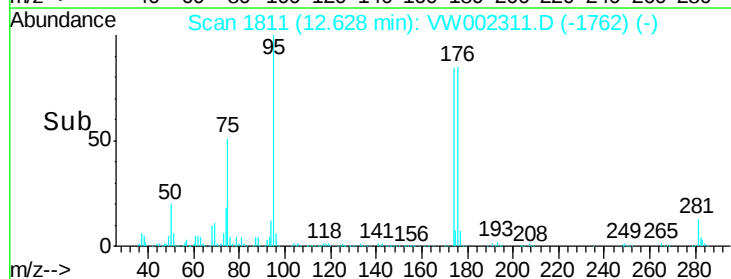
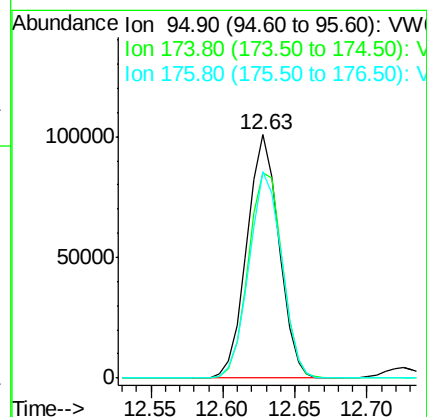
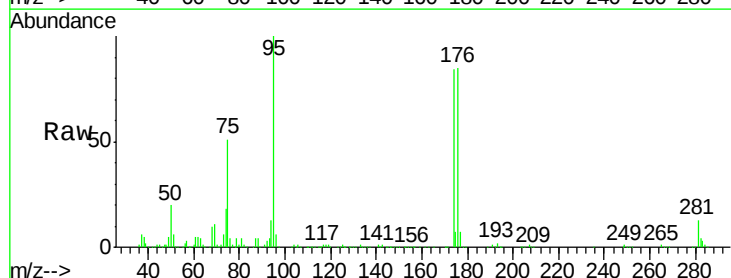
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

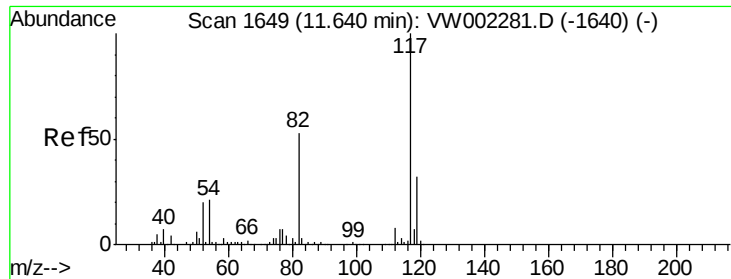
Tot Ion:107 Resp: 37525
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.73 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 95 Resp: 155493
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.8
 176 85.9 0.0 170.4

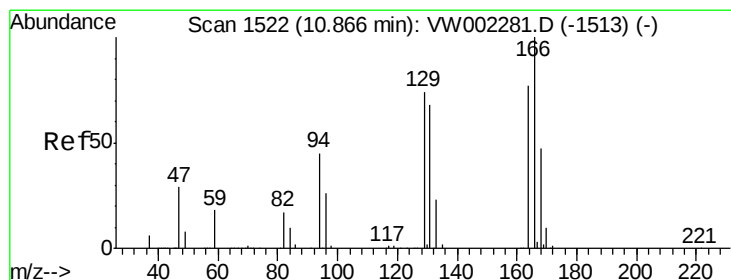
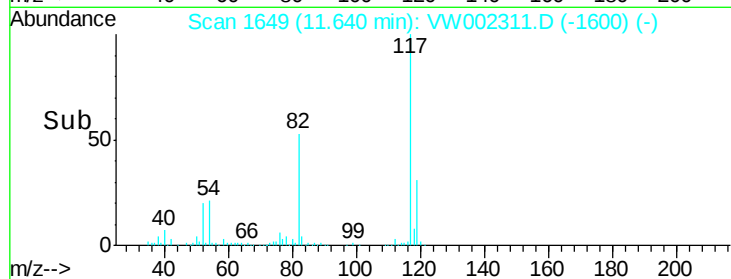
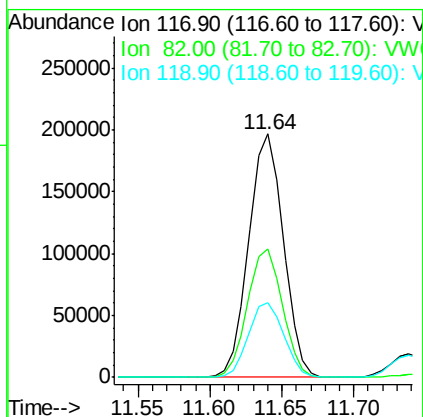
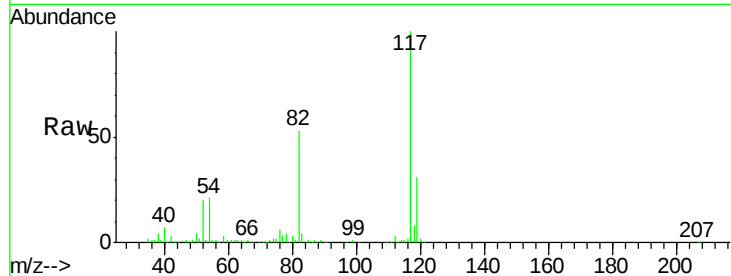




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

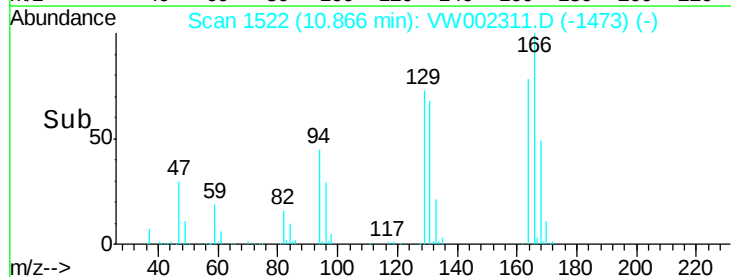
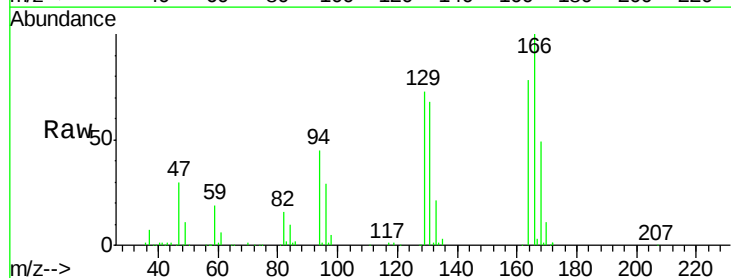
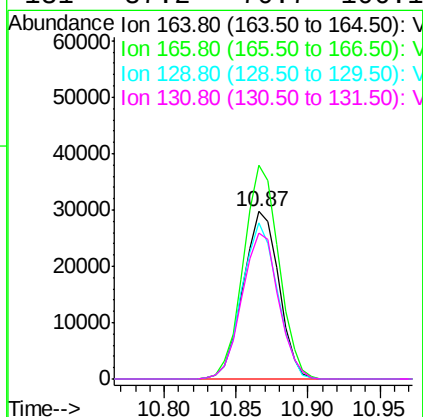
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

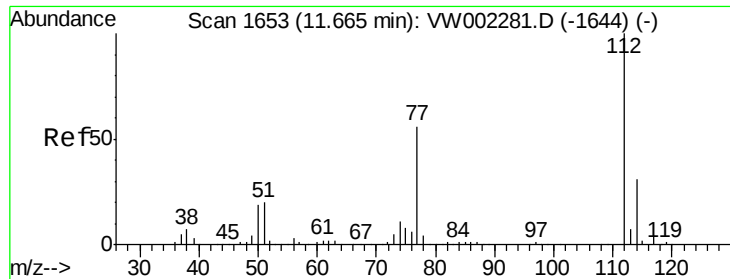
Tot Ion:117 Resp: 327179
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 30.9 25.2 37.8



#64
Tetrachloroethene
Concen: 20.24 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion:164 Resp: 50972
Ion Ratio Lower Upper
164 100
166 127.6 103.3 154.9
129 93.2 76.6 114.8
131 87.2 70.7 106.1





#65

Chlorobenzene

Concen: 20.39 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

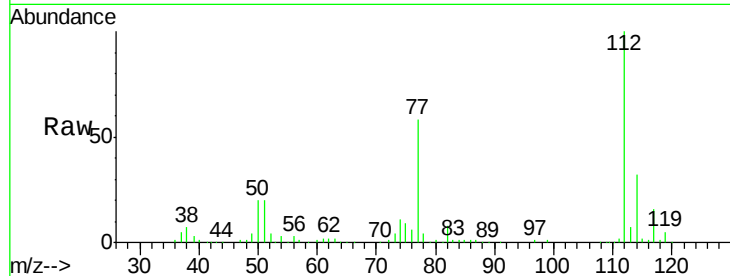
VW0508SBS02

Tot Ion:112 Resp: 136315

Ion Ratio Lower Upper

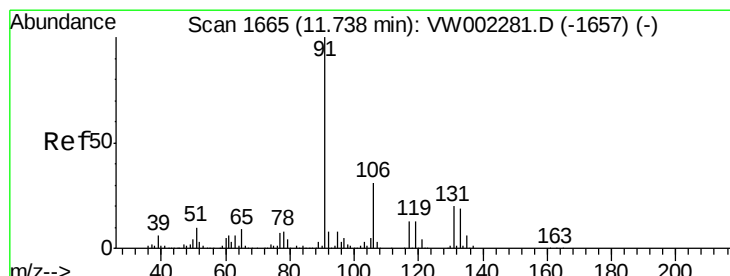
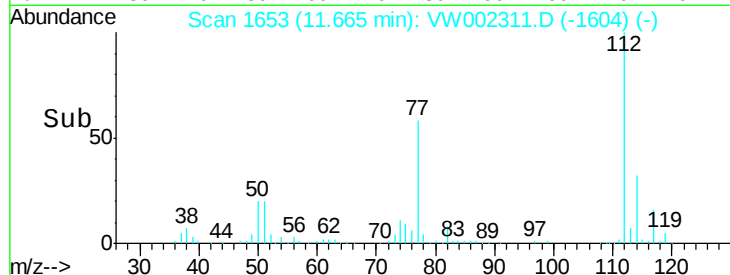
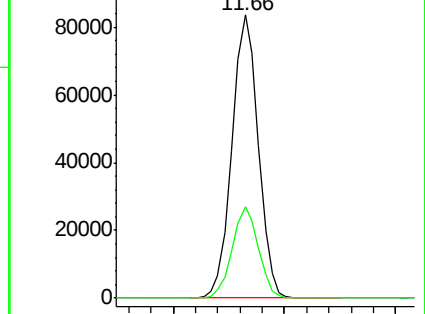
112 100

114 32.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.22 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

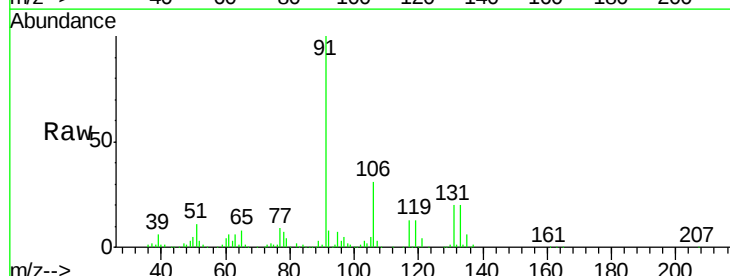
Tgt Ion:131 Resp: 48189

Ion Ratio Lower Upper

131 100

133 94.2 47.8 143.3

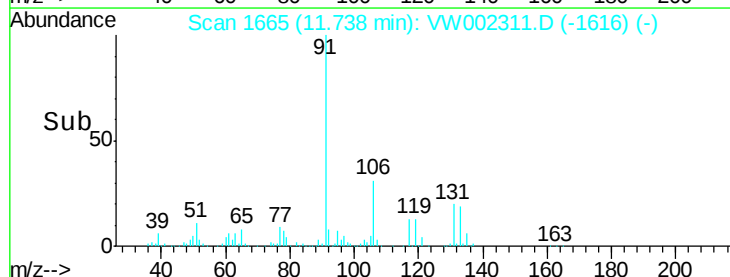
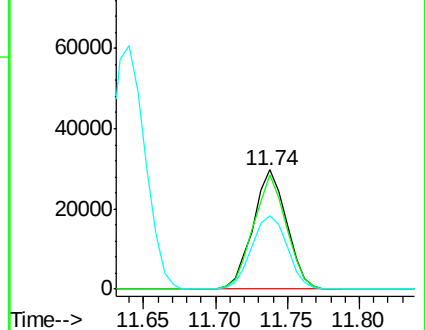
119 65.2 32.0 96.0

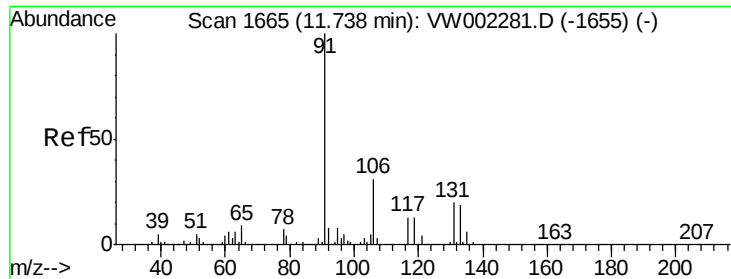


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

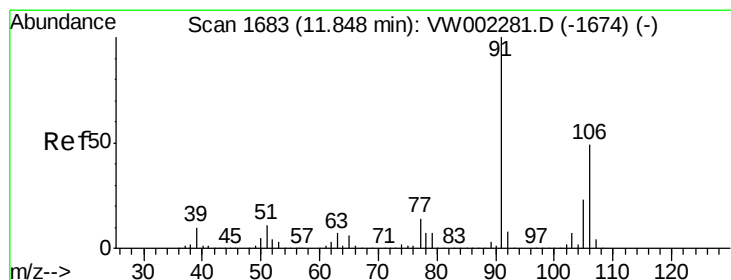
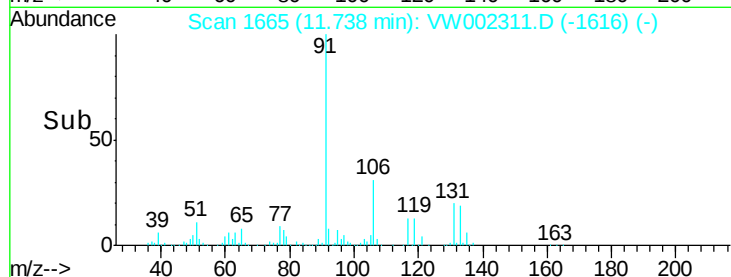
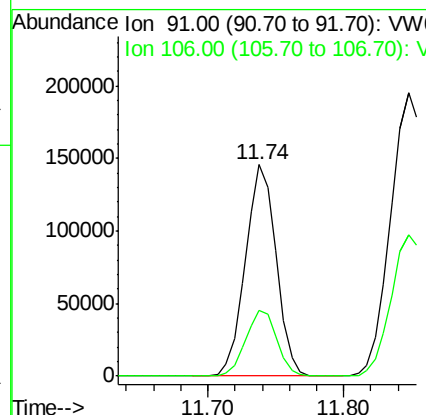
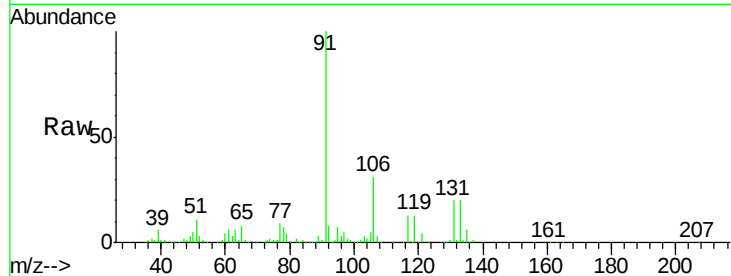




#67
Ethyl Benzene
Concen: 20.07 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

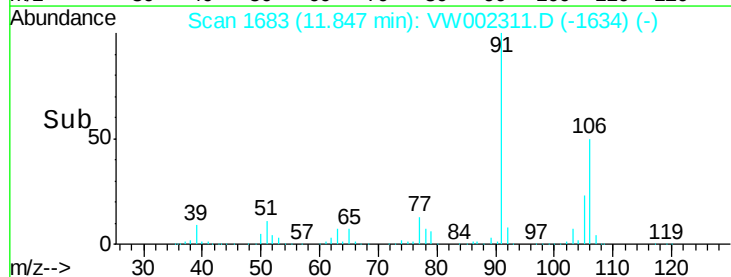
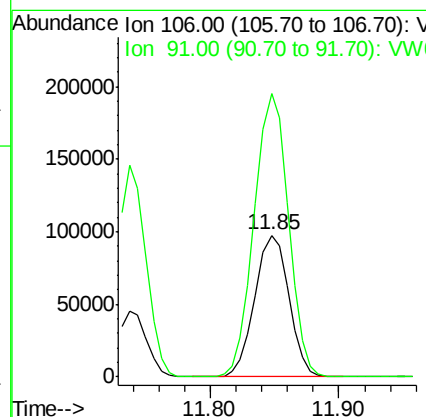
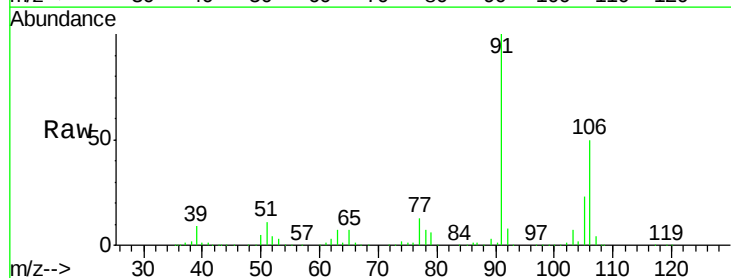
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

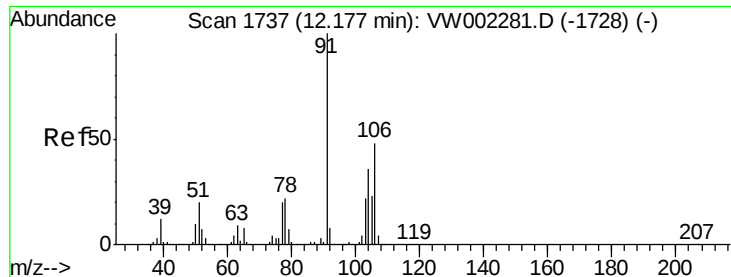
Tot Ion: 91 Resp: 230676
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 40.43 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion:106 Resp: 179258
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.0

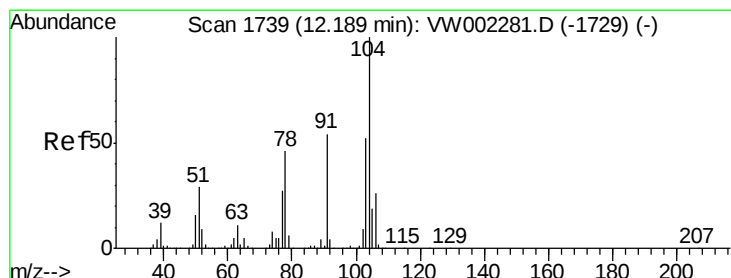
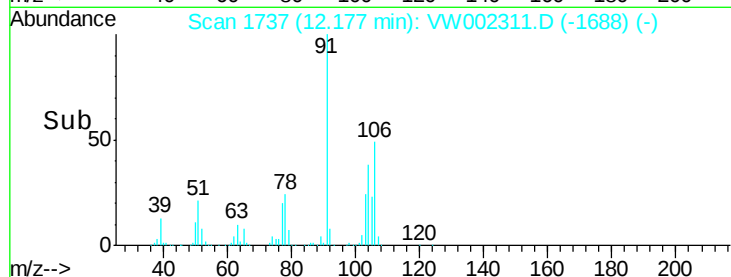
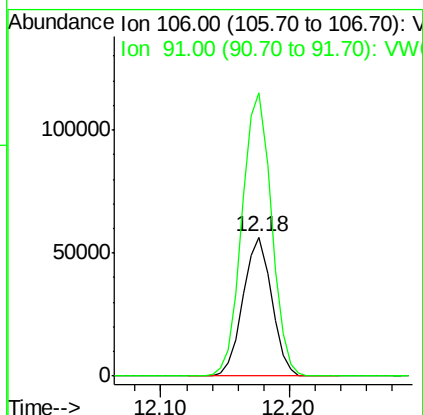
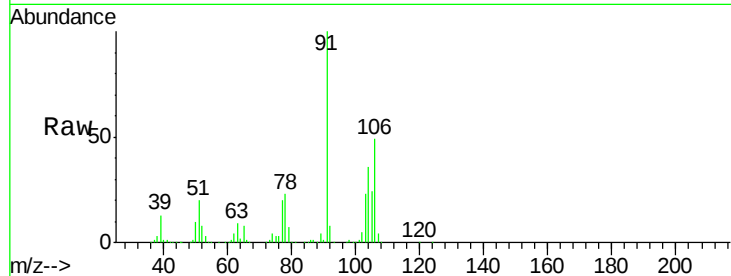




#69
o-Xylene
Concen: 20.63 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

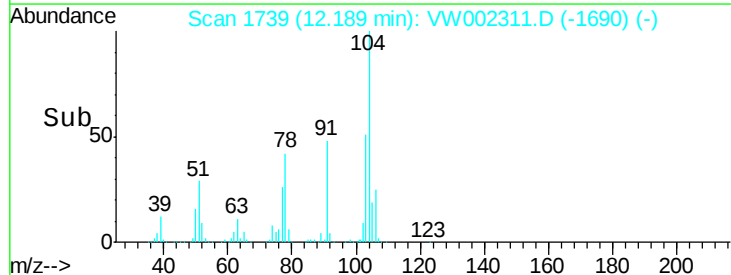
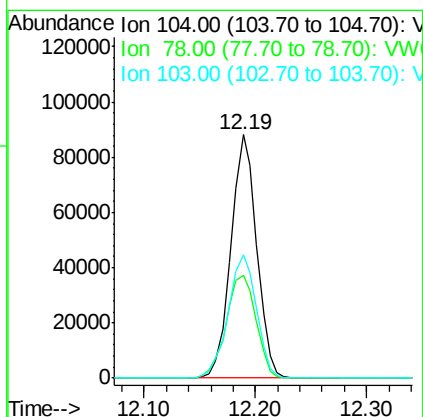
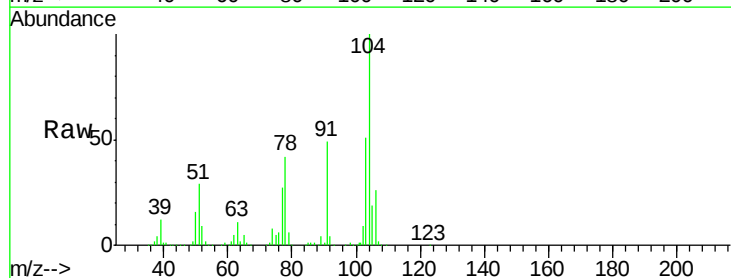
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

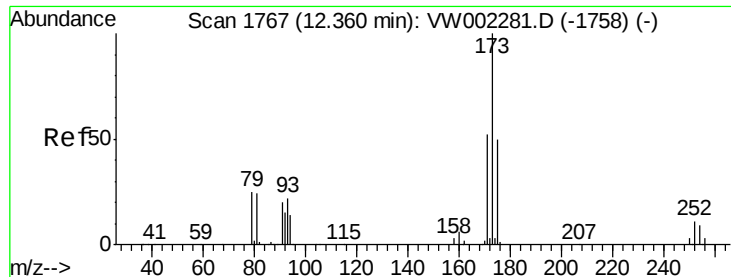
Tot Ion:106 Resp: 86989
Ion Ratio Lower Upper
106 100
91 208.8 107.1 321.1



#70
Styrene
Concen: 20.11 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion:104 Resp: 140791
Ion Ratio Lower Upper
104 100
78 49.4 39.6 59.4
103 55.5 44.4 66.6

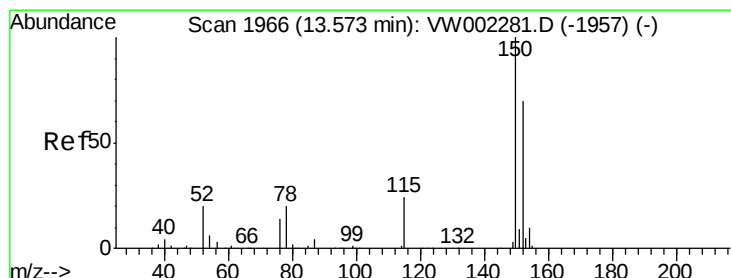
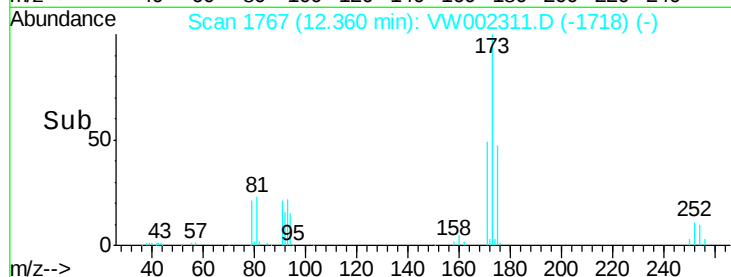
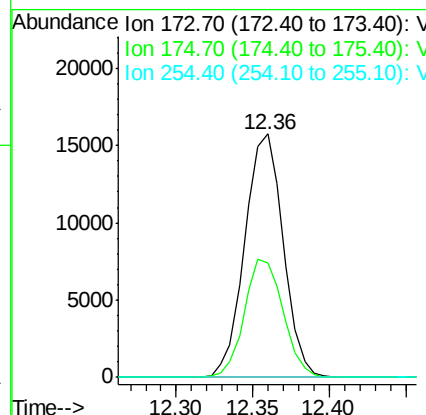
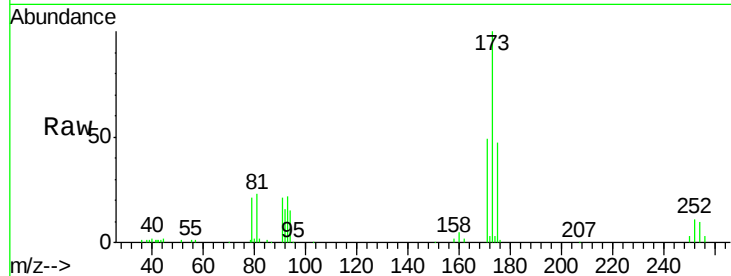




#71
Bromoform
Concen: 20.15 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

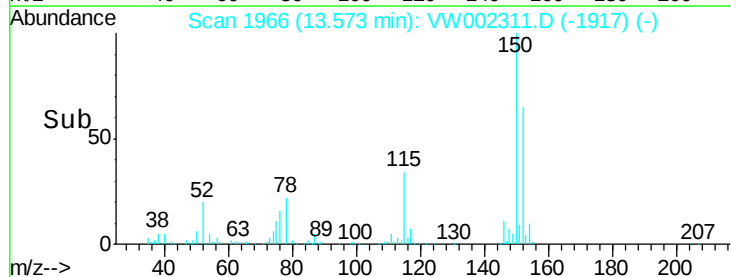
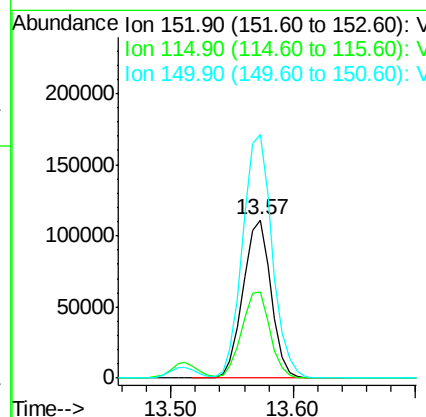
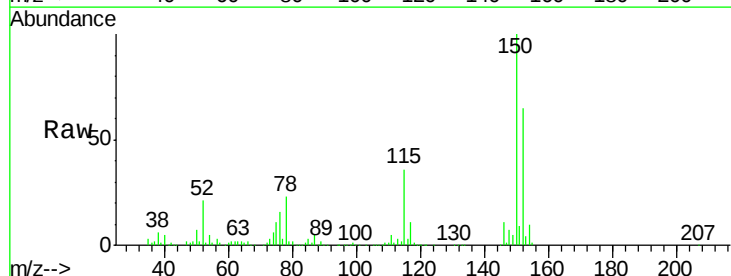
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS02

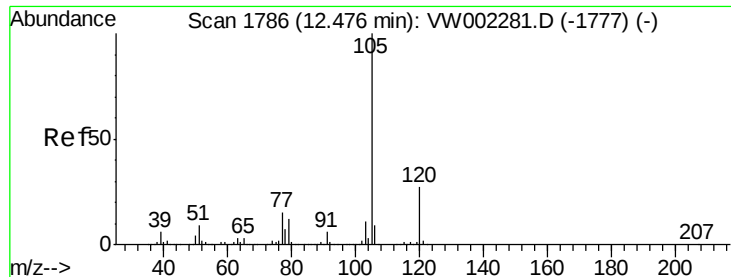
Tot Ion:173 Resp: 27531
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.9
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion:152 Resp: 175423
Ion Ratio Lower Upper
152 100
115 55.2 28.5 85.5
150 163.2 0.0 342.6





#73

Isopropylbenzene

Concen: 19.98 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

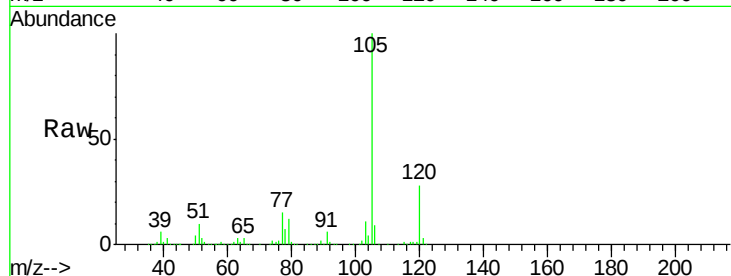
VW0508SBS02

Tot Ion:105 Resp: 227684

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

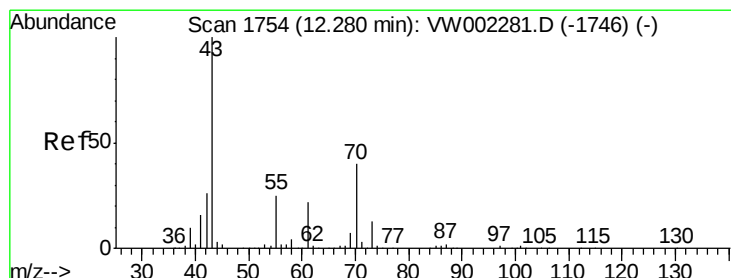
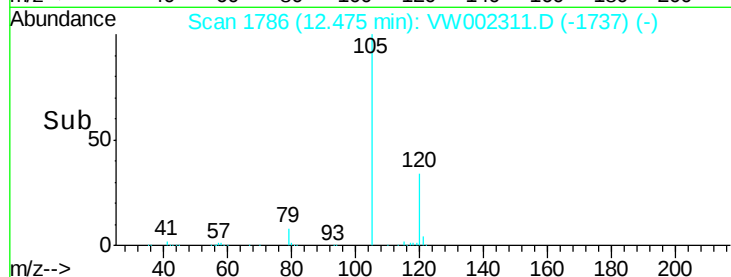
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 20.25 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Tgt Ion: 43 Resp: 57735

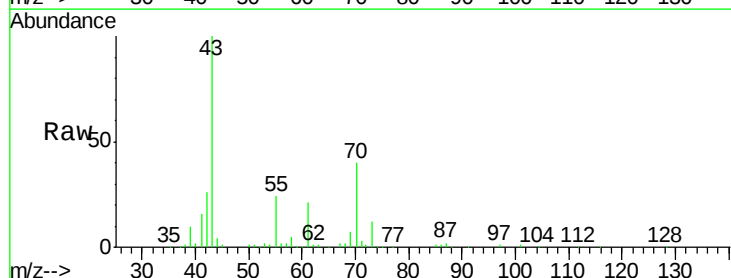
Ion Ratio Lower Upper

43 100

70 40.3 31.9 47.9

55 25.2 19.9 29.9

61 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

30000

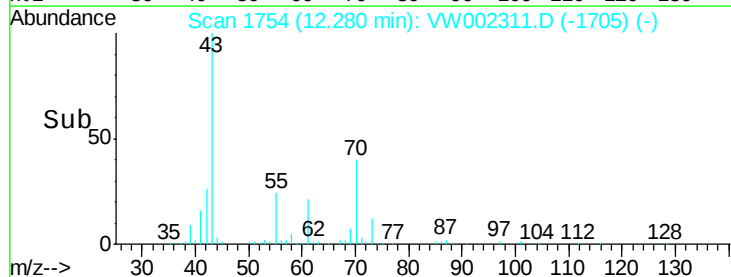
20000

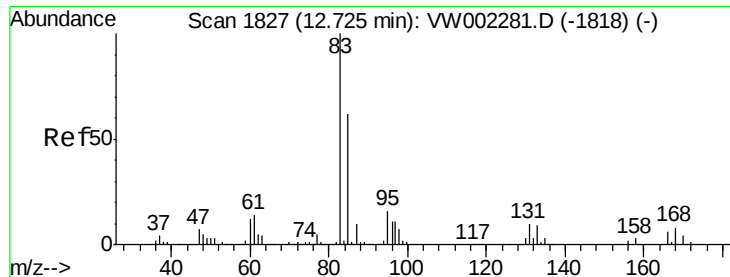
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.57 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

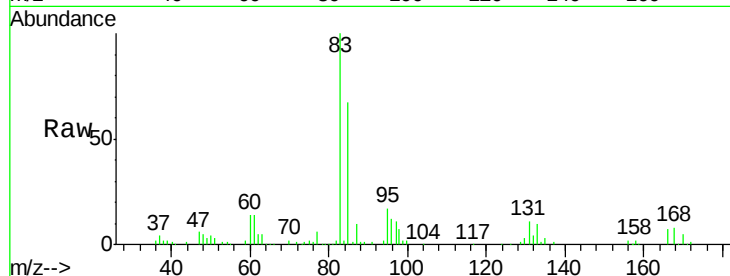
Tot Ion: 83 Resp: 45306

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

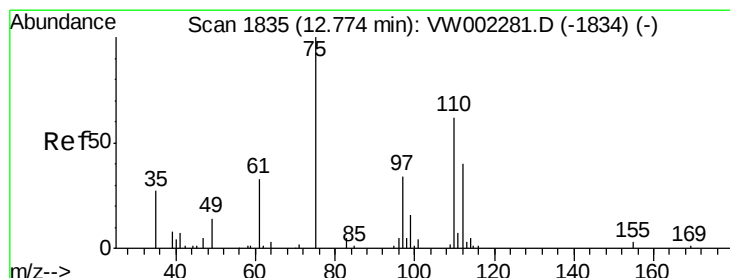
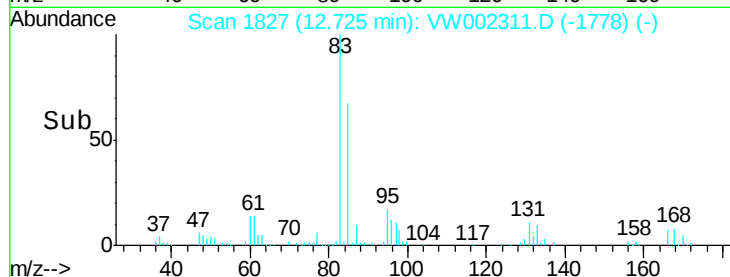
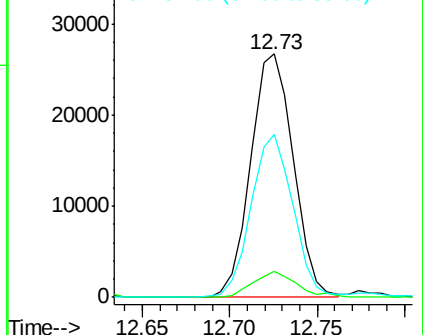
85 65.4 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.92 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW002311.D

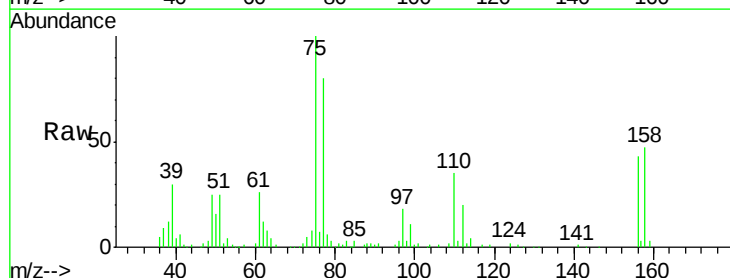
Acq: 08 May 2018 23:59

Tgt Ion: 75 Resp: 34097

Ion Ratio Lower Upper

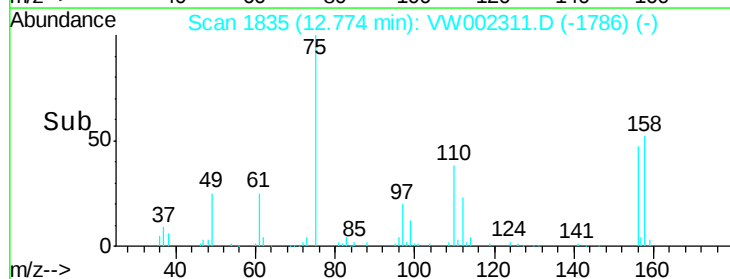
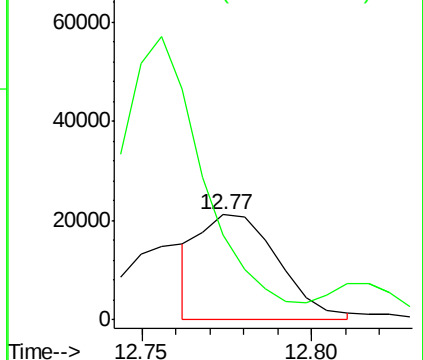
75 100

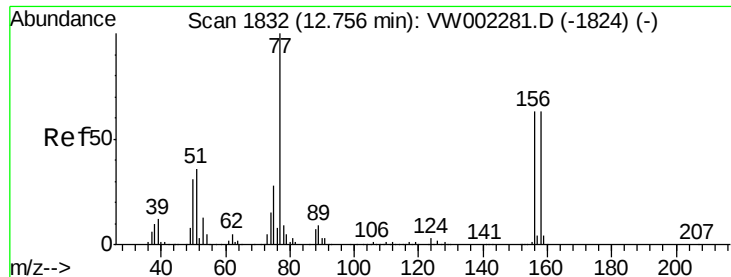
77 301.9 187.5 562.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.52 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

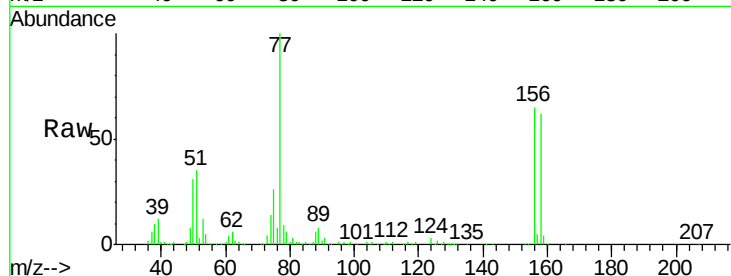
Tot Ion:156 Resp: 58951

Ion Ratio Lower Upper

156 100

77 174.6 87.7 263.1

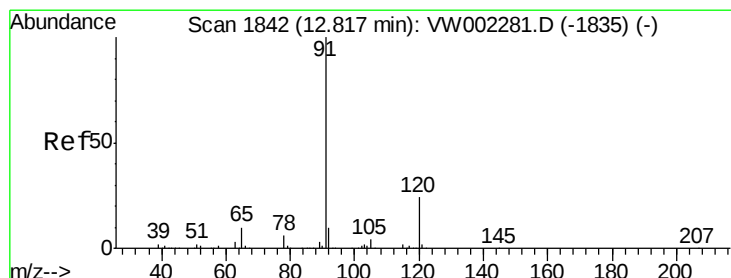
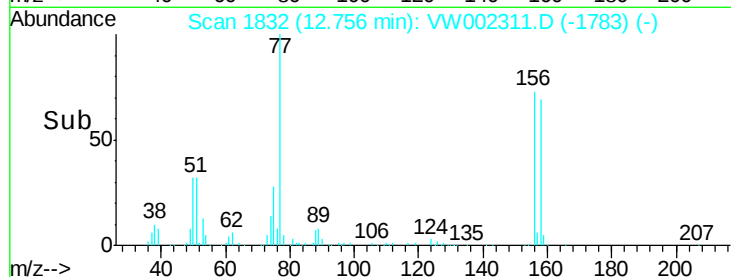
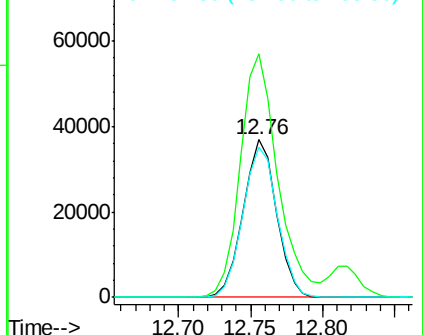
158 98.5 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.22 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002311.D

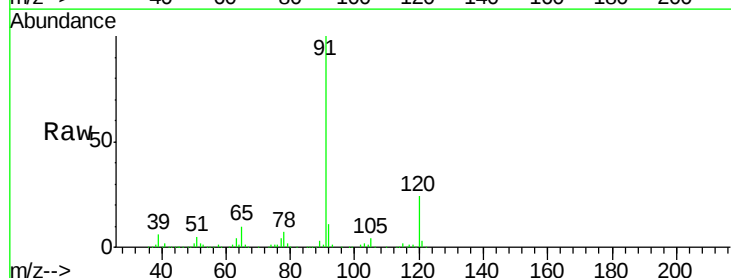
Acq: 08 May 2018 23:59

Tgt Ion: 91 Resp: 273094

Ion Ratio Lower Upper

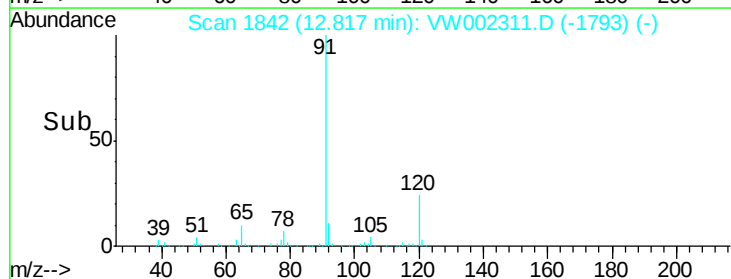
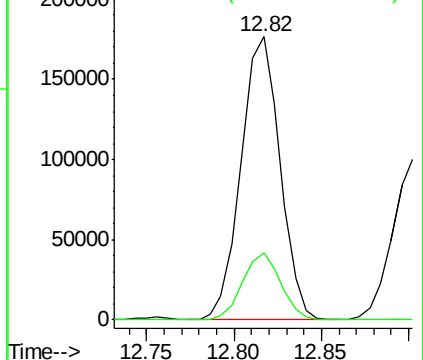
91 100

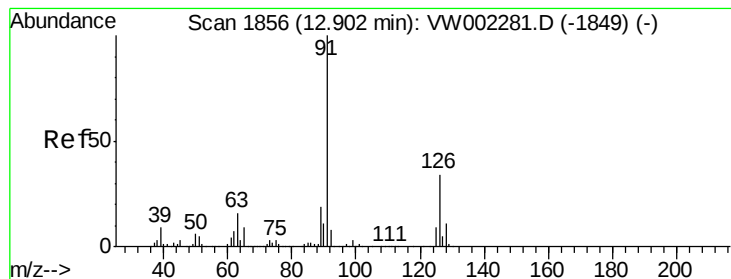
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.27 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

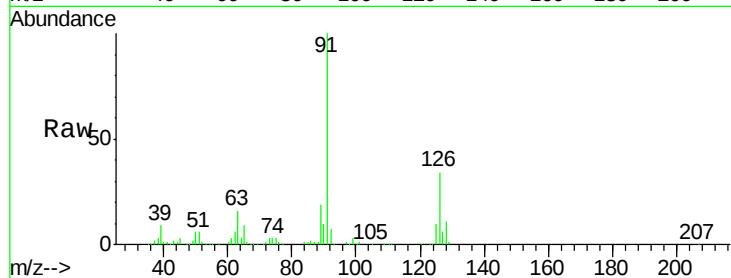
VW0508SBS02

Tot Ion: 91 Resp: 157699

Ion Ratio Lower Upper

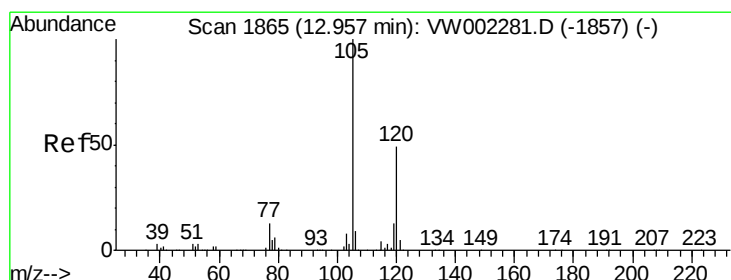
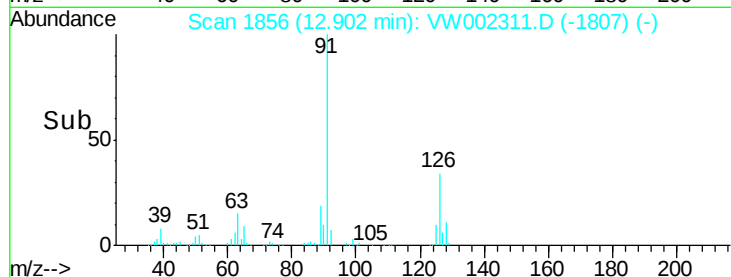
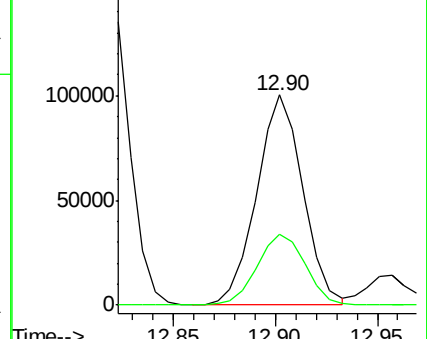
91 100

126 35.1 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.11 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002311.D

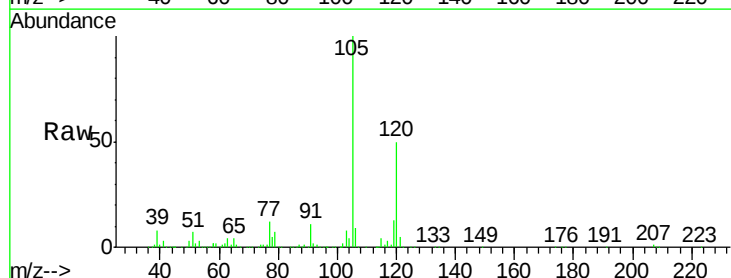
Acq: 08 May 2018 23:59

Tgt Ion:105 Resp: 192721

Ion Ratio Lower Upper

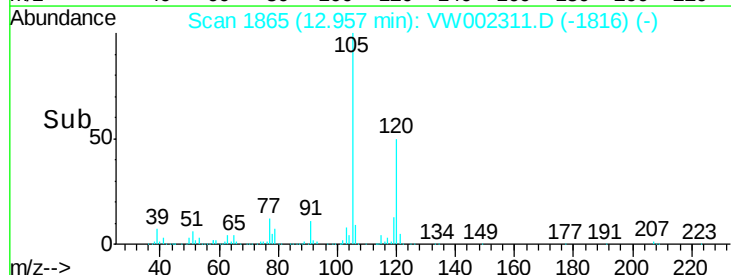
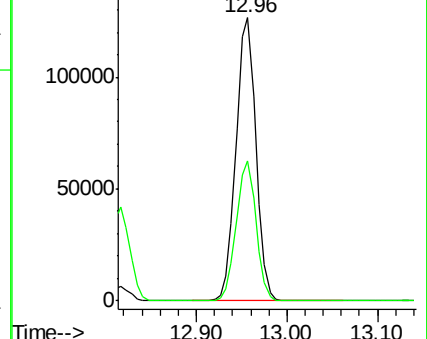
105 100

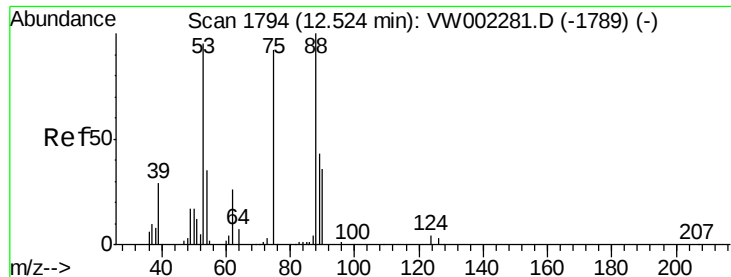
120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.69 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

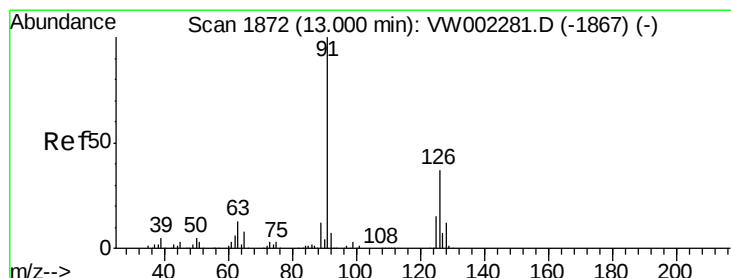
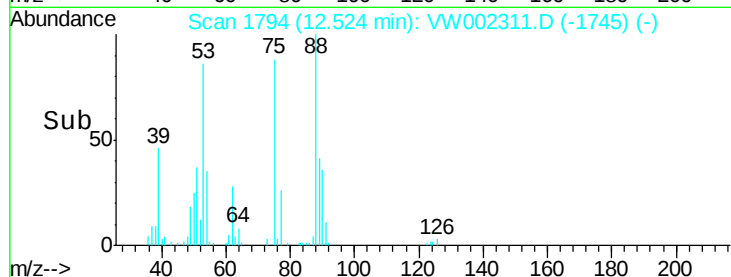
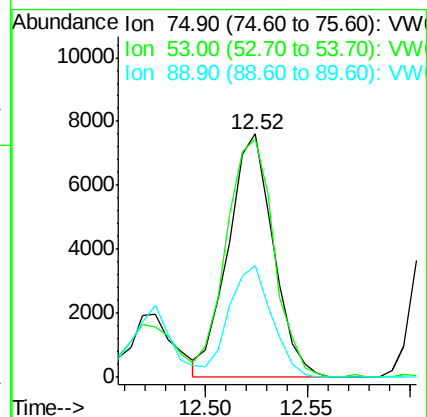
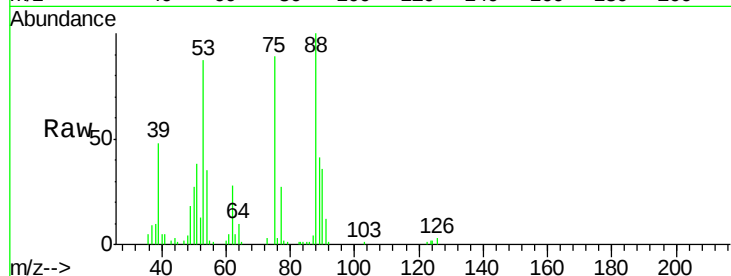
Tot Ion: 75 Resp: 11630

Ion Ratio Lower Upper

75 100

53 103.9 79.9 119.9

89 43.4 37.6 56.4



#82

4-Chlorotoluene

Concen: 20.14 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002311.D

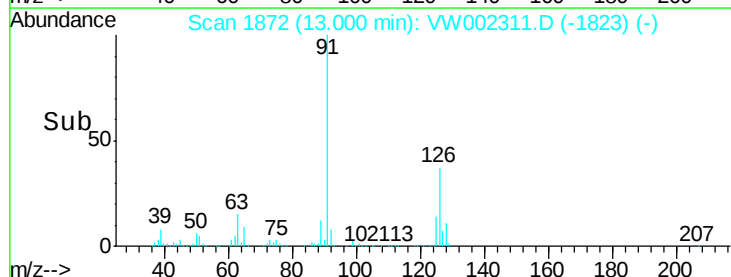
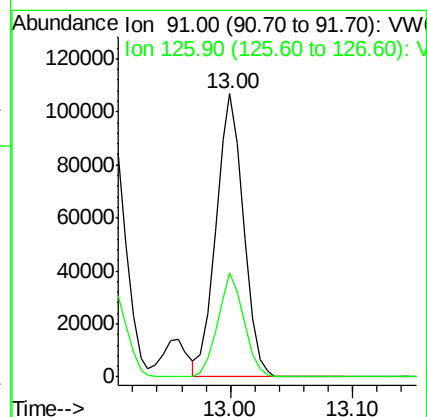
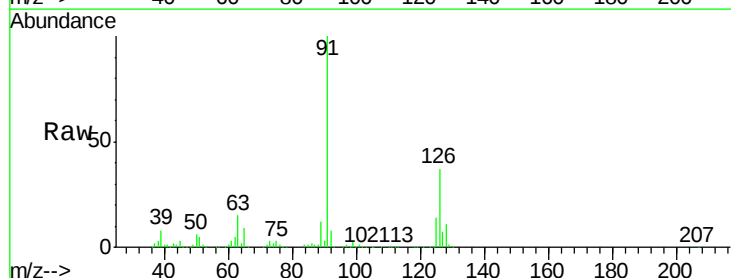
Acq: 08 May 2018 23:59

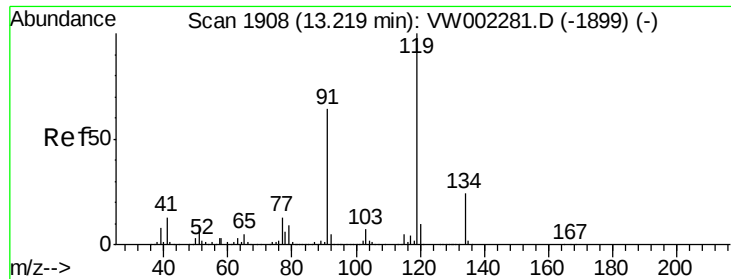
Tgt Ion: 91 Resp: 166637

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3

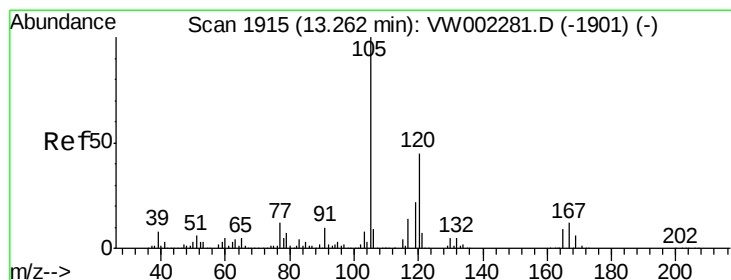
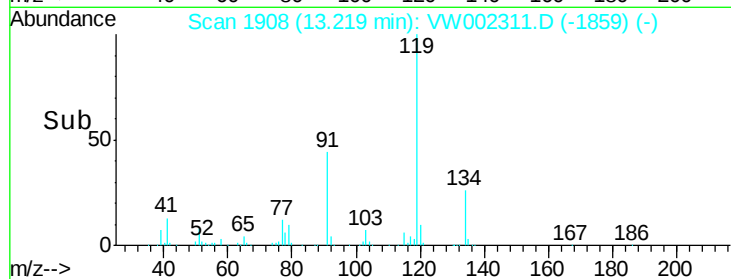
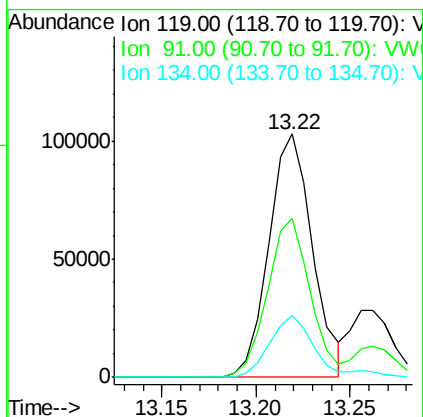
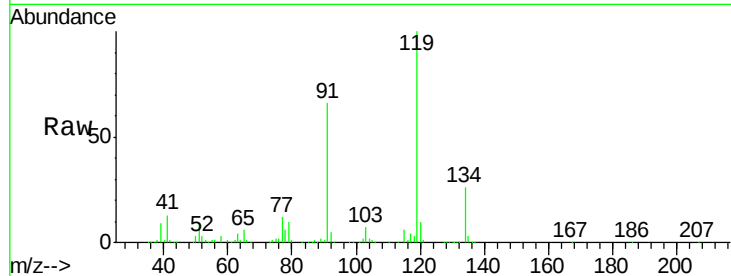




#83
tert-Butylbenzene
Concen: 20.05 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

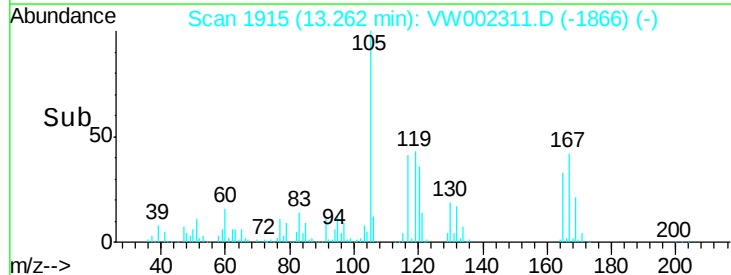
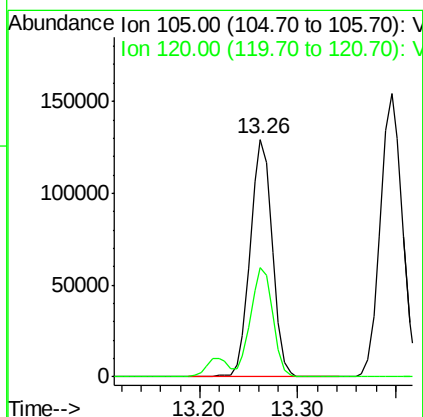
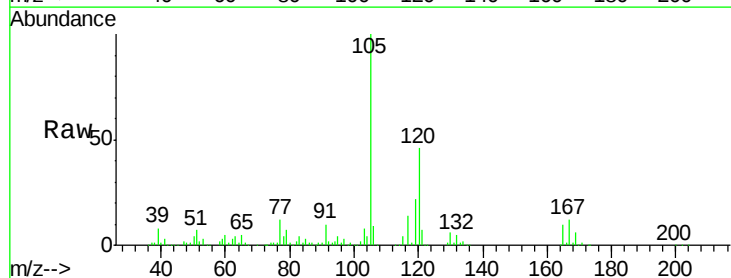
Instrument :
MSVOA_W
ClientSampled :
VW0508SBS02

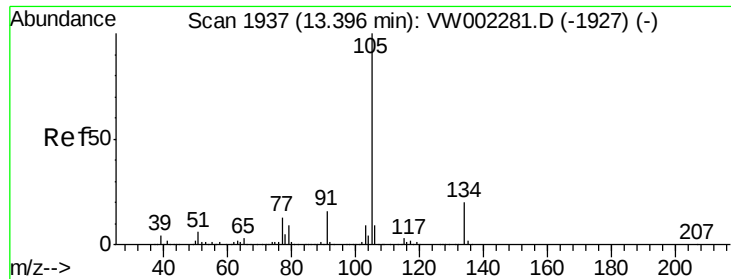
Tot Ion:119 Resp: 165498
Ion Ratio Lower Upper
119 100
91 63.8 31.6 94.8
134 25.2 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 20.38 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002311.D
Acq: 08 May 2018 23:59

Tgt Ion:105 Resp: 202553
Ion Ratio Lower Upper
105 100
120 45.7 22.5 67.5

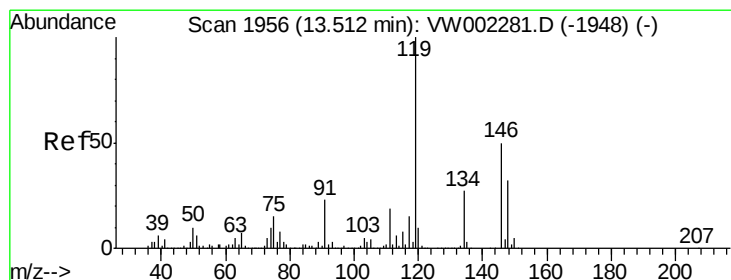
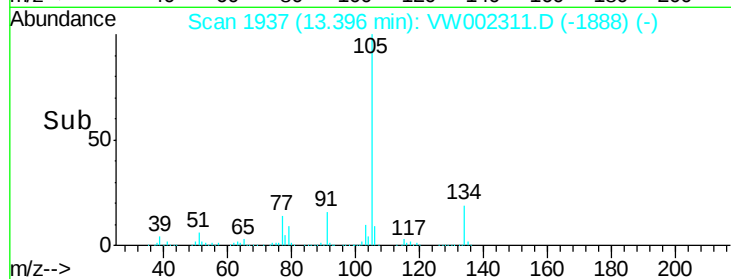
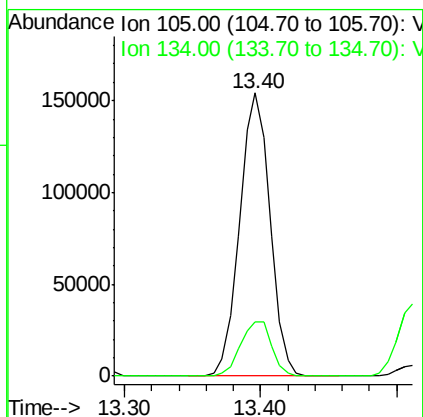
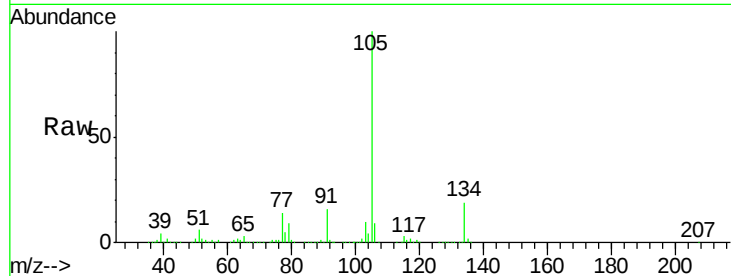




#85
 sec-Butylbenzene
 Concen: 20.34 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

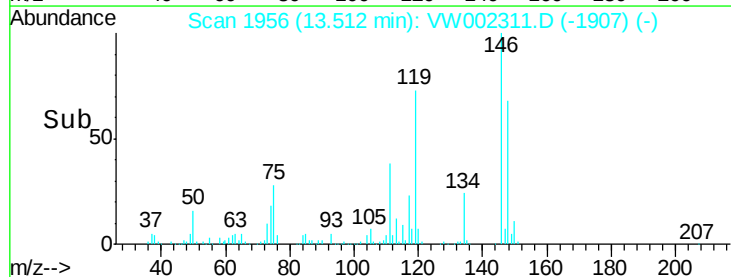
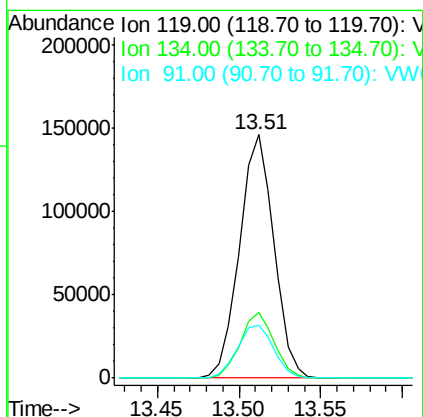
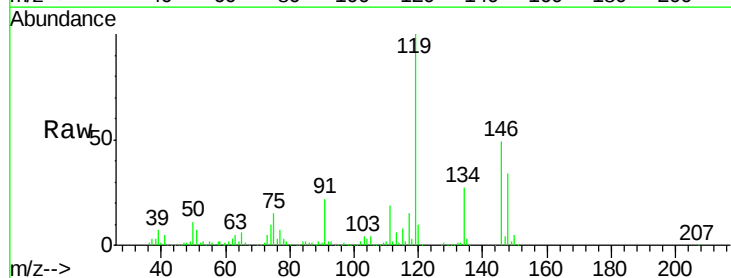
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

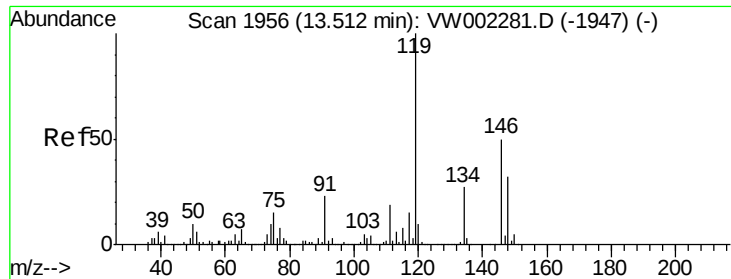
Tot Ion:105 Resp: 239691
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.36 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion:119 Resp: 214458
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 23.0 11.8 35.3

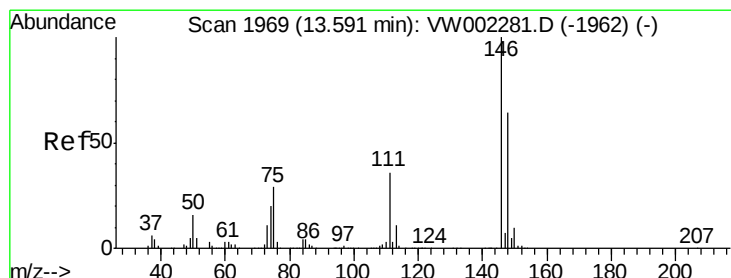
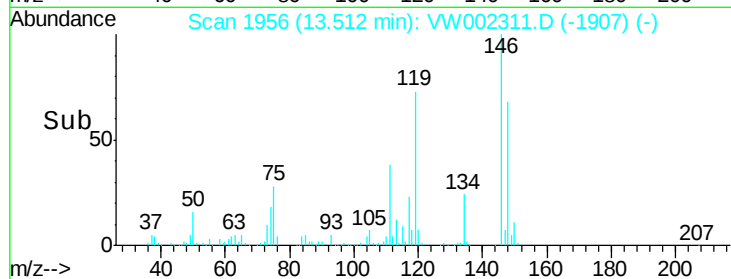
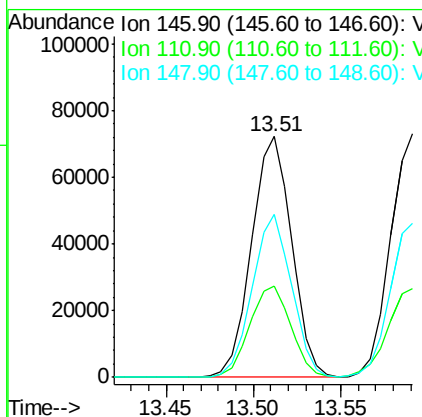
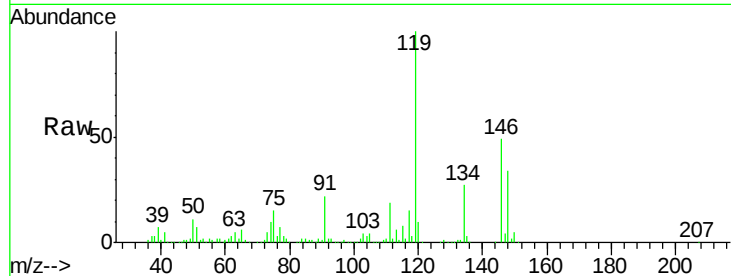




#87
 1,3-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

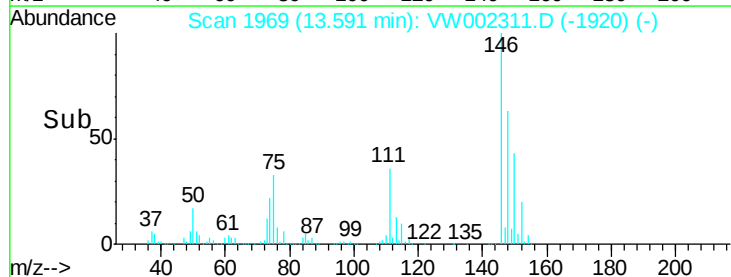
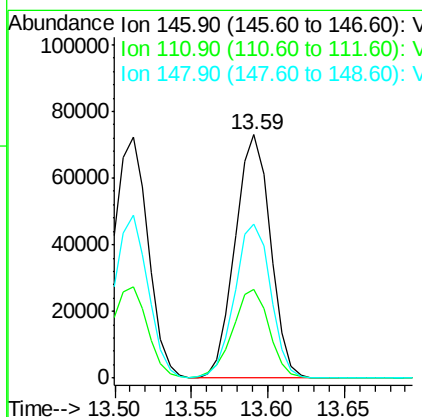
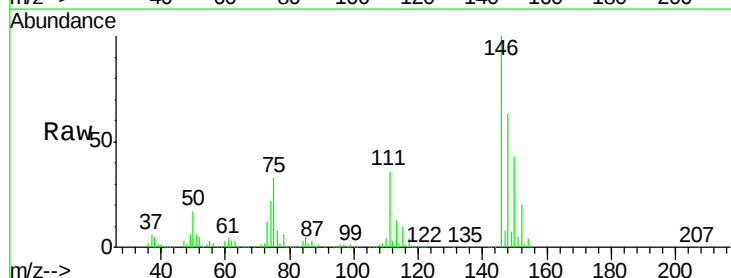
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

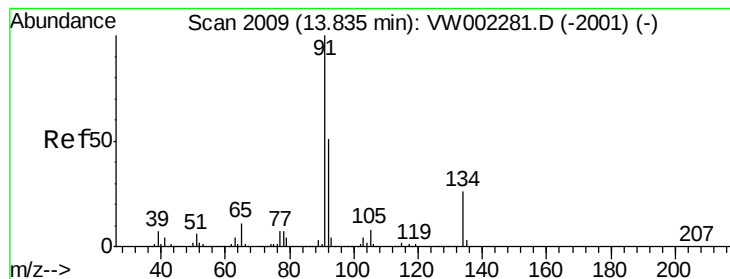
Tot Ion:146 Resp: 115132
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.8
 148 66.4 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion:146 Resp: 117109
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.0 57.0
 148 64.8 32.3 96.9





#89

n-Butylbenzene

Concen: 20.43 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

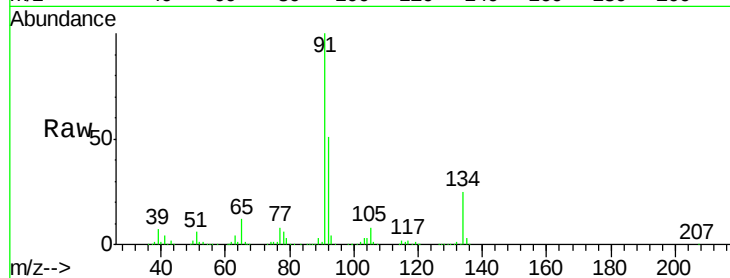
Tot Ion: 91 Resp: 201409

Ion Ratio Lower Upper

91 100

92 50.7 25.9 77.8

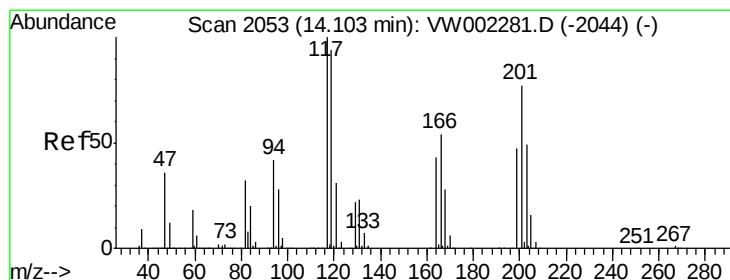
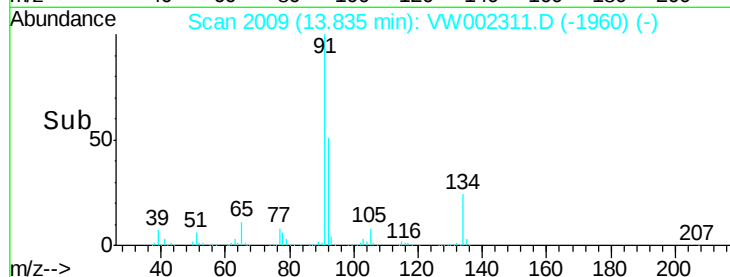
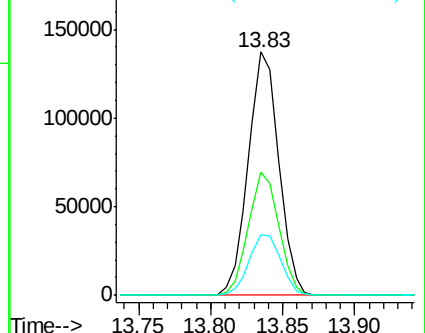
134 25.8 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.98 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW002311.D

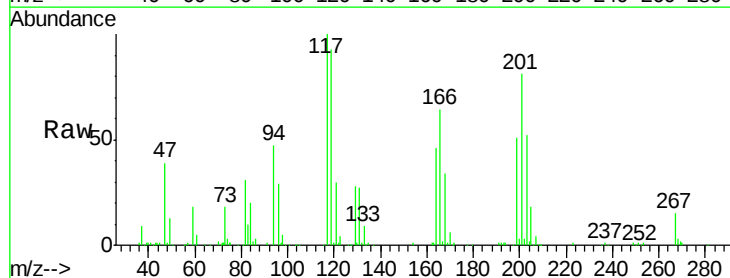
Acq: 08 May 2018 23:59

Tgt Ion: 117 Resp: 37645

Ion Ratio Lower Upper

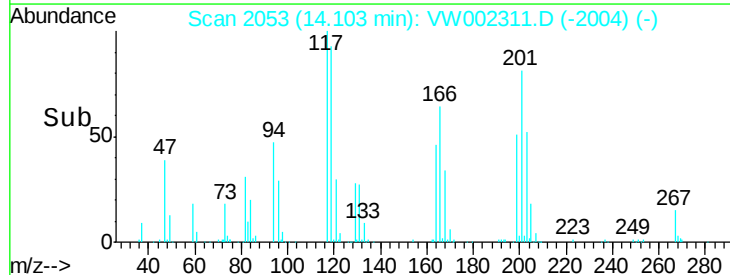
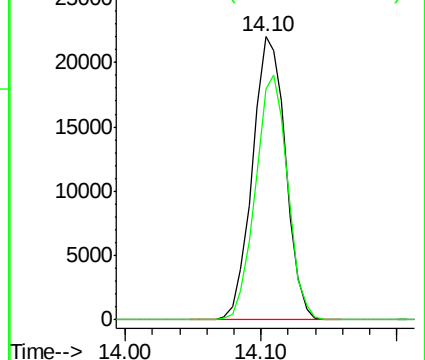
117 100

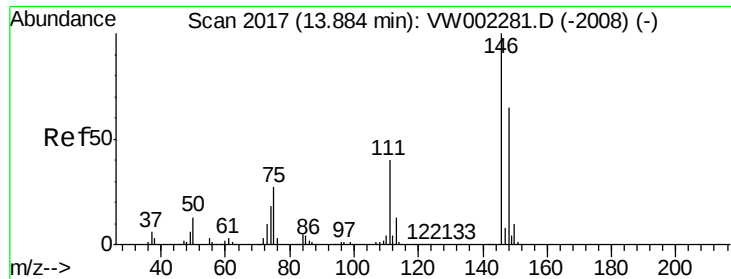
201 83.8 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

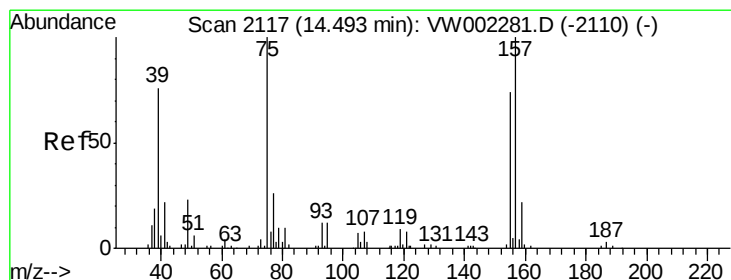
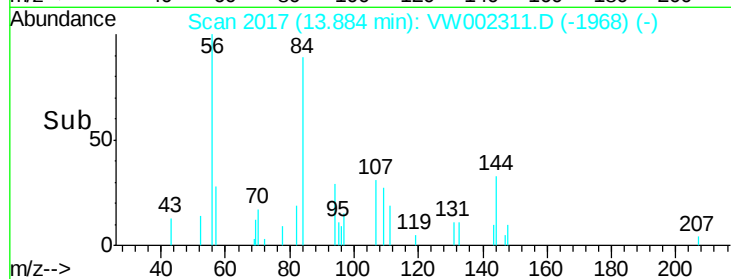
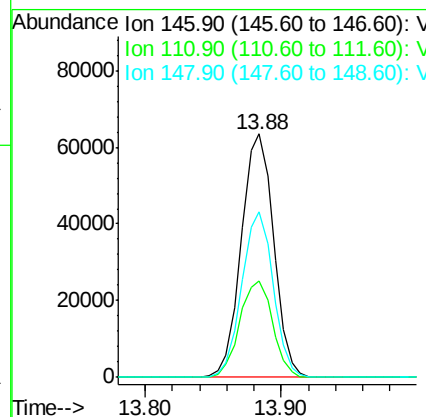
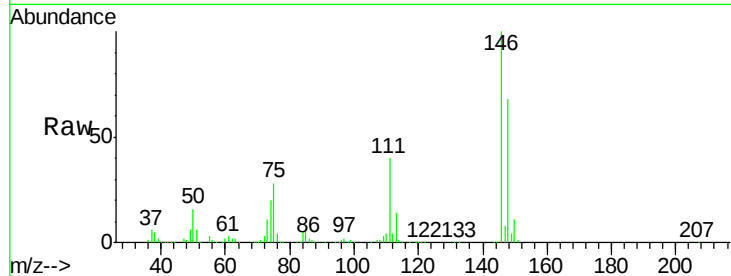




#91
 1,2-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

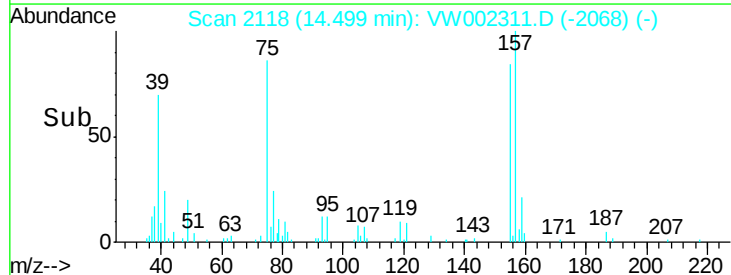
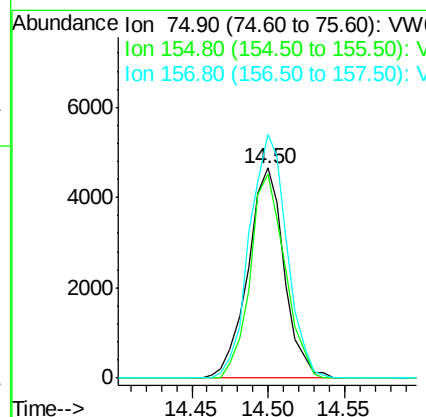
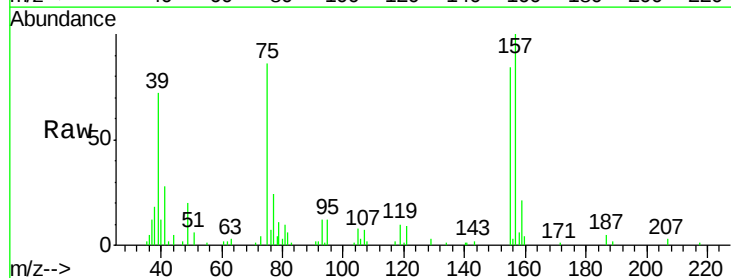
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

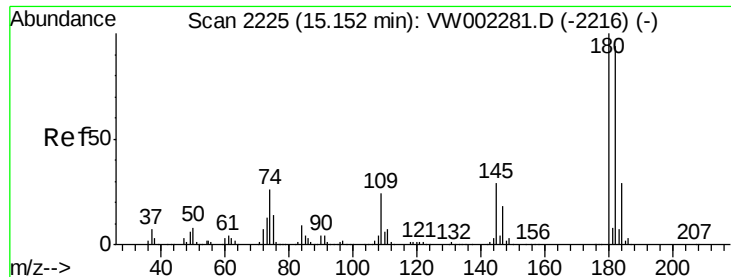
Tot Ion:146 Resp: 105436
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 66.0 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.17 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion: 75 Resp: 7680
 Ion Ratio Lower Upper
 75 100
 155 92.6 43.3 129.8
 157 119.4 55.8 167.4

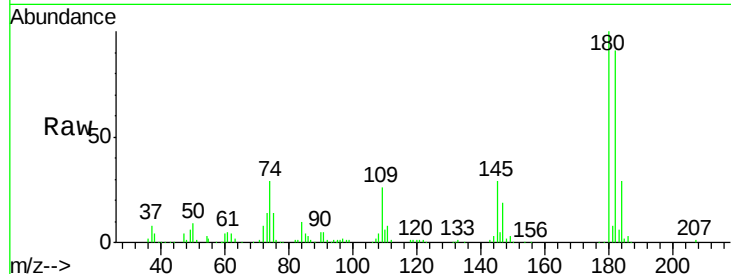




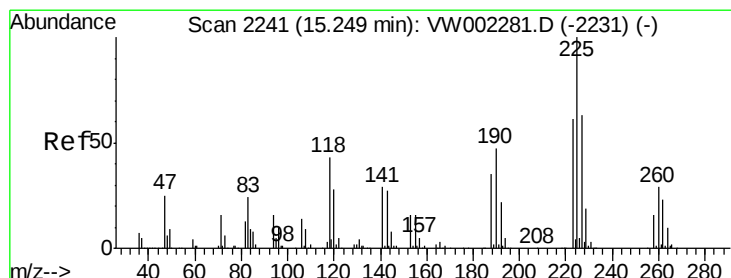
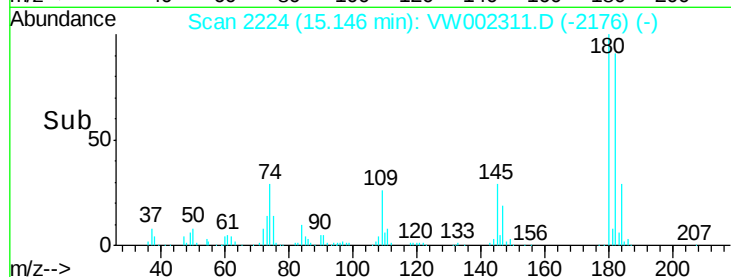
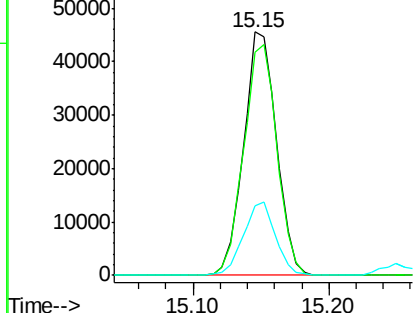
#93
 1,2,4-Trichlorobenzene
 Concen: 20.89 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS02

Tot Ion:180 Resp: 77045
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.8
 145 29.4 14.5 43.6

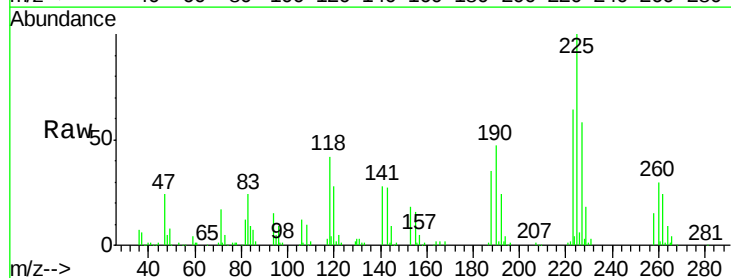


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

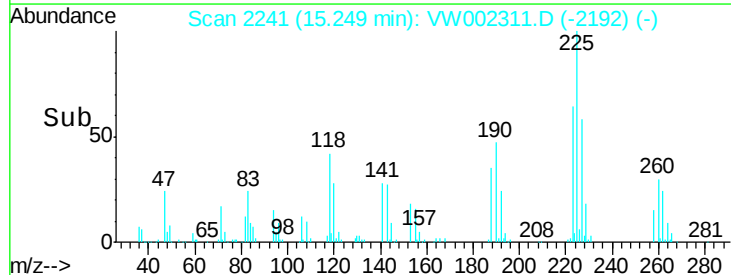
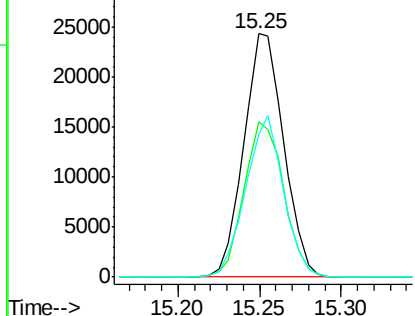


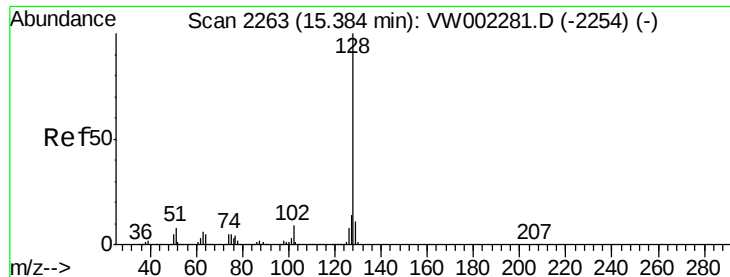
#94
 Hexachlorobutadiene
 Concen: 20.10 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW002311.D
 Acq: 08 May 2018 23:59

Tgt Ion:225 Resp: 41282
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.7
 227 62.9 32.0 96.0



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





#95

Naphthalene

Concen: 20.98 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS02

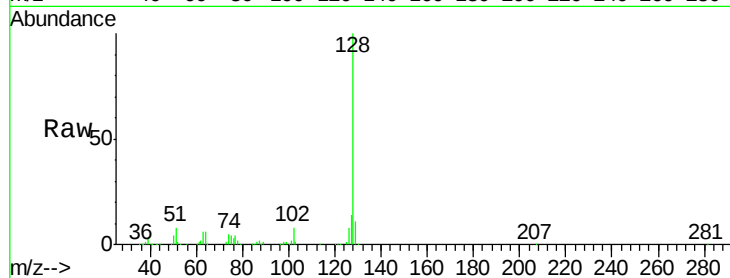
Tot Ion:128 Resp: 142206

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

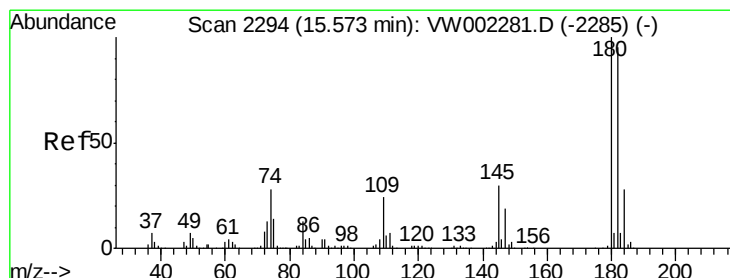
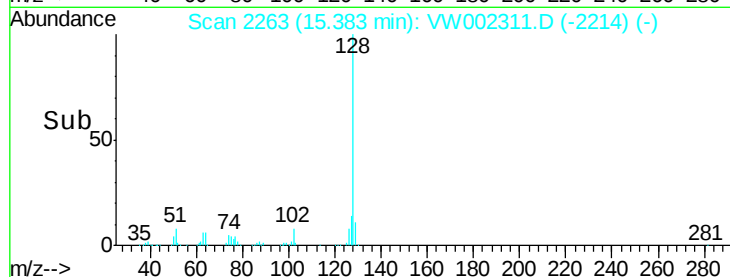
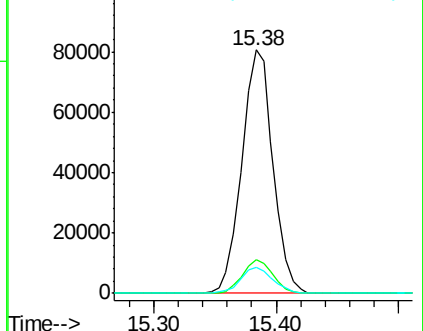
129 10.9 8.7 13.1



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: 20.51 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002311.D

Acq: 08 May 2018 23:59

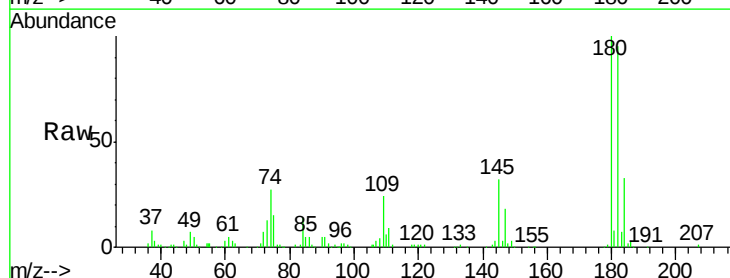
Tgt Ion:180 Resp: 67810

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.0

145 30.9 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

