

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009689.D
 Acq On : 04 Apr 2019 11:55
 Operator : SY/VA
 Sample : VW0404SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

Quant Time: Apr 05 05:41:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	537531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	486240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	258526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	215158	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.88	113	178064	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.32	98	674279	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.62	95	256009	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	51225	23.005	ug/l	97
3) Chloromethane	2.21	50	53677	18.559	ug/l	97
4) Vinyl Chloride	2.37	62	77326	20.018	ug/l	97
5) Bromomethane	2.78	94	58782	19.724	ug/l	92
6) Chloroethane	2.92	64	56128	19.620	ug/l	96
7) Trichlorofluoromethane	3.25	101	50307	19.061	ug/l	95
8) Diethyl Ether	3.67	74	38126	21.513	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	77545	21.898	ug/l	96
10) Methyl Iodide	4.27	142	104955	21.721	ug/l	96
11) Tert butyl alcohol	5.17	59	26538	116.579	ug/l	95
12) 1,1-Dichloroethene	4.04	96	72656	21.924	ug/l	97
13) Acrolein	3.89	56	16984	101.722	ug/l	98
14) Allyl chloride	4.66	41	123836	23.363	ug/l	96
15) Acrylonitrile	5.37	53	84782	104.660	ug/l	99
16) Acetone	4.12	43	107449	121.723	ug/l	96
17) Carbon Disulfide	4.38	76	202416	21.466	ug/l	98
18) Methyl Acetate	4.67	43	39767	18.636	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	108391	23.517	ug/l	96
20) Methylene Chloride	4.91	84	85310	22.501	ug/l #	87
21) trans-1,2-Dichloroethene	5.41	96	77358	21.986	ug/l	91
22) Diisopropyl ether	6.31	45	262661	22.946	ug/l	99
23) Vinyl Acetate	6.25	43	808852	113.267	ug/l	100
24) 1,1-Dichloroethane	6.21	63	152980	22.204	ug/l	98
25) 2-Butanone	7.17	43	131429	107.743	ug/l	95
26) 2,2-Dichloropropane	7.15	77	92555	23.497	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	86871	22.608	ug/l	95
28) Bromochloromethane	7.51	49	61687	20.662	ug/l #	93
29) Tetrahydrofuran	7.53	42	79318	104.718	ug/l	99
30) Chloroform	7.67	83	156141	21.881	ug/l	95
31) Cyclohexane	7.95	56	140534	21.757	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	128262	22.203	ug/l	98
36) 1,1-Dichloropropene	8.08	75	123284	22.174	ug/l	99
37) Ethyl Acetate	7.25	43	56596	21.426	ug/l	98
38) Carbon Tetrachloride	8.06	117	123795	21.730	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	139712	21.999	ug/l	99
40) Benzene	8.32	78	327792	21.766	ug/l	99
41) Methacrylonitrile	7.48	41	28635	19.262	ug/l	97
42) 1,2-Dichloroethane	8.40	62	113586	22.124	ug/l	97
43) Isopropyl Acetate	8.42	43	109999	21.249	ug/l	99
44) Trichloroethene	9.09	130	83940	21.530	ug/l	96
45) 1,2-Dichloropropane	9.37	63	83186	21.580	ug/l	97
46) Dibromomethane	9.45	93	44590	21.354	ug/l	96
47) Bromodichloromethane	9.64	83	115184	21.624	ug/l	99
48) Methyl methacrylate	9.43	41	52360	21.577	ug/l	98
49) 1,4-Dioxane	9.45	88	13446	432.389	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	284823	102.835	ug/l	99
52) Toluene	10.38	92	208282	22.085	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	111625	21.402	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	127571	22.060	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	59884	21.216	ug/l	98
56) Ethyl methacrylate	10.65	69	73592	21.193	ug/l	95
57) 1,3-Dichloropropane	10.93	76	105516	21.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	164447	98.377	ug/l	97
59) 2-Hexanone	10.97	43	200750	104.730	ug/l	98
60) Dibromochloromethane	11.13	129	72229	21.193	ug/l	100
61) 1,2-Dibromoethane	11.23	107	56973	21.049	ug/l	99
64) Tetrachloroethene	10.86	164	71729	21.727	ug/l	96
65) Chlorobenzene	11.66	112	226247	22.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	81672	21.888	ug/l	99
67) Ethyl Benzene	11.73	91	411169	22.789	ug/l	99
68) m/p-Xylenes	11.84	106	311168	45.420	ug/l	97
69) o-Xylene	12.16	106	145546	22.813	ug/l	98
70) Styrene	12.18	104	239526	22.477	ug/l	99
71) Bromoform	12.35	173	41041	20.439	ug/l #	99
73) Isopropylbenzene	12.46	105	417591	23.211	ug/l	100
74) N-amyl acetate	12.27	43	104680	22.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	71195	20.925	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	98923	40.690	ug/l #	100
77) Bromobenzene	12.75	156	91023	21.969	ug/l	95
78) n-propylbenzene	12.80	91	512996	23.123	ug/l	99
79) 2-Chlorotoluene	12.89	91	287030	22.766	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	352309	23.252	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	21198	20.277	ug/l	91
82) 4-Chlorotoluene	12.99	91	302750	22.817	ug/l	99
83) tert-Butylbenzene	13.21	119	300317	23.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	359428	23.076	ug/l	99
85) sec-Butylbenzene	13.38	105	445402	22.890	ug/l	98
86) p-Isopropyltoluene	13.50	119	389697	23.025	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	189190	22.116	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	186806	21.863	ug/l	99
89) n-Butylbenzene	13.83	91	378119	22.634	ug/l	100
90) Hexachloroethane	14.10	117	72598	22.400	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	169402	22.145	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12698	20.443	ug/l	98

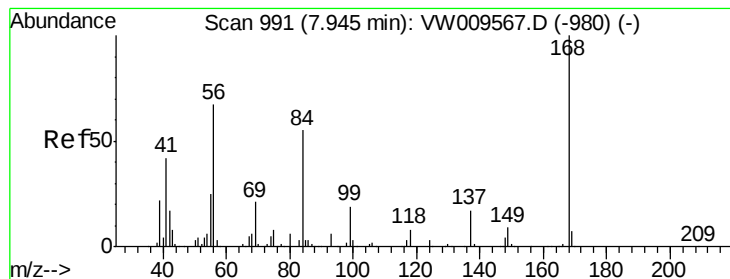
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	107975	21.918	ug/l	98
94) Hexachlorobutadiene	15.24	225	67278	21.265	ug/l	99
95) Naphthalene	15.37	128	187983	20.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	94741	21.525	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

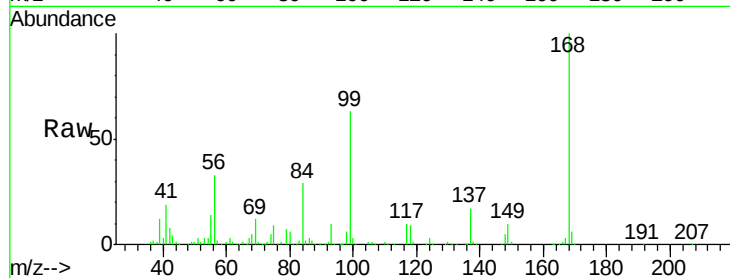
VW0404SBS01

Tgt Ion:168 Resp: 343335

Ion Ratio Lower Upper

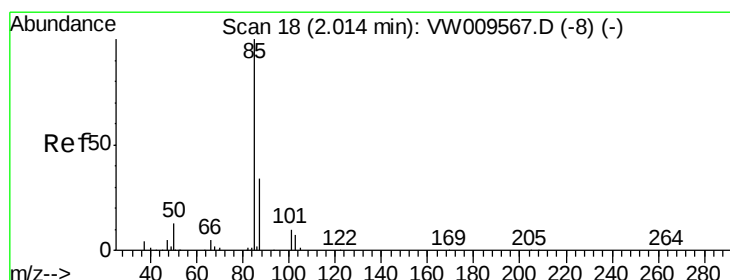
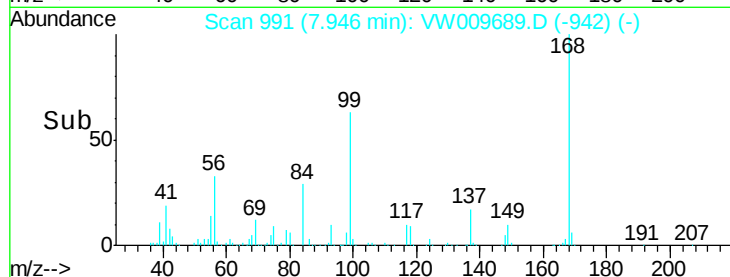
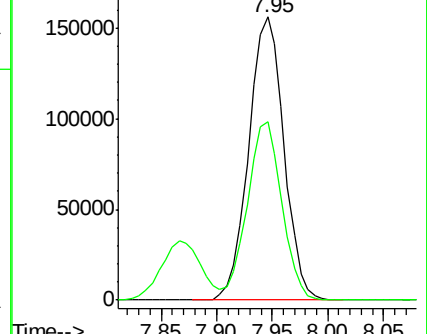
168 100

99 62.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.005 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009689.D

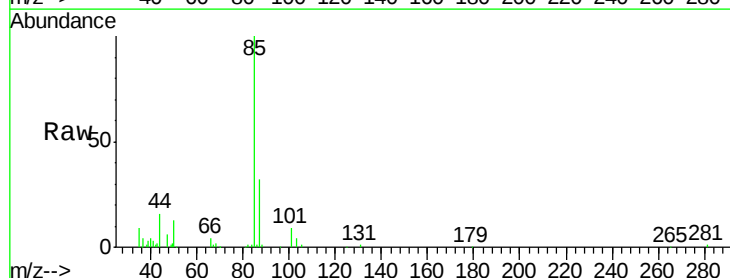
Acq: 04 Apr 2019 11:55

Tgt Ion: 85 Resp: 51225

Ion Ratio Lower Upper

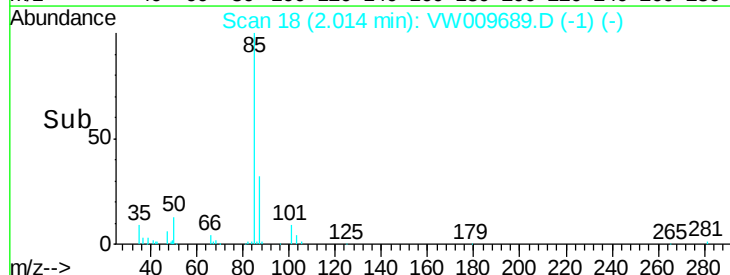
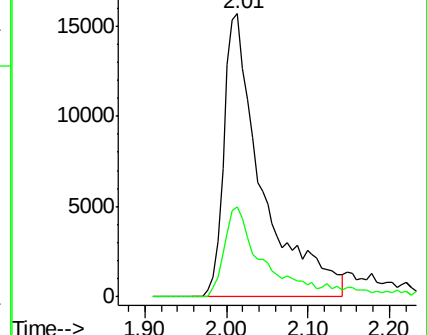
85 100

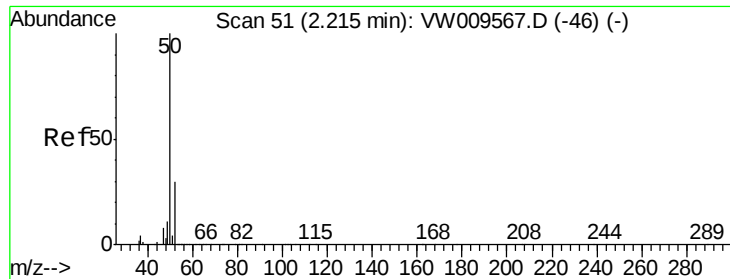
87 31.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.559 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

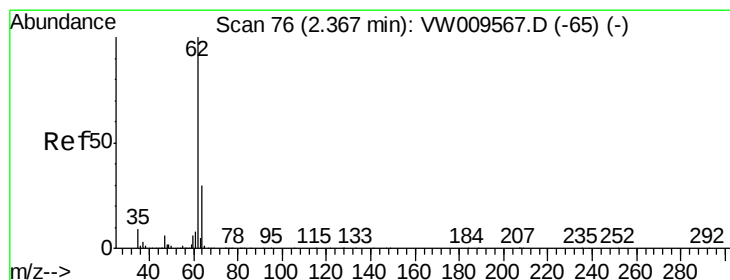
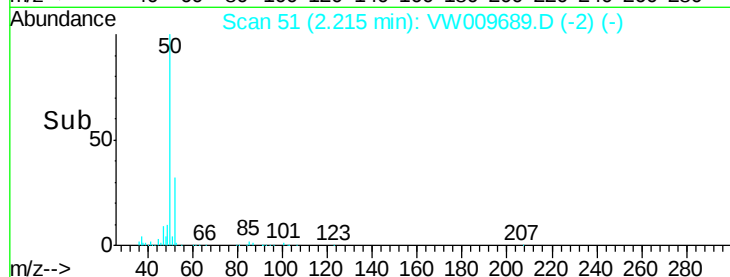
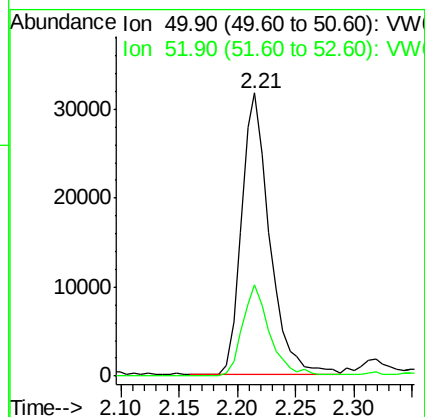
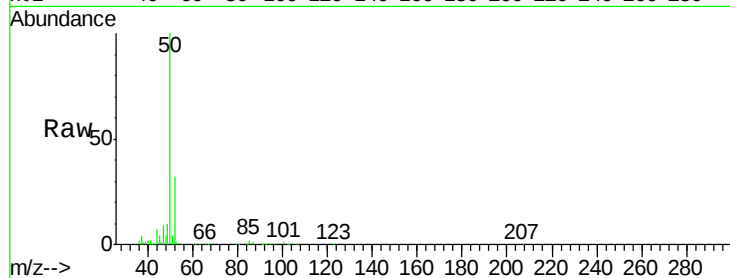
VW0404SBS01

Tgt Ion: 50 Resp: 53677

Ion Ratio Lower Upper

50 100

52 32.2 27.2 40.8



#4

Vinyl Chloride

Concen: 20.018 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009689.D

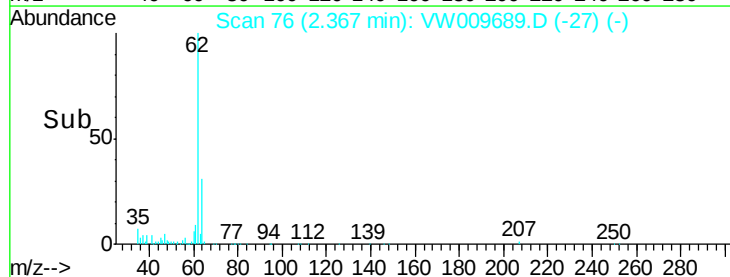
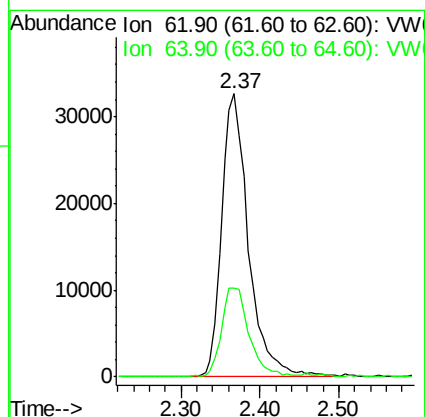
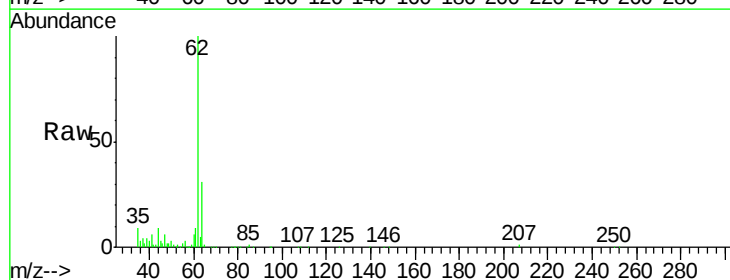
Acq: 04 Apr 2019 11:55

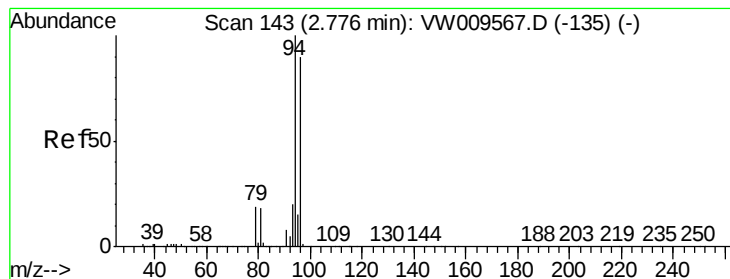
Tgt Ion: 62 Resp: 77326

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 19.724 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

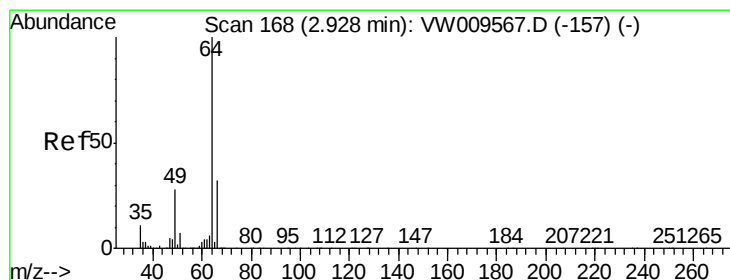
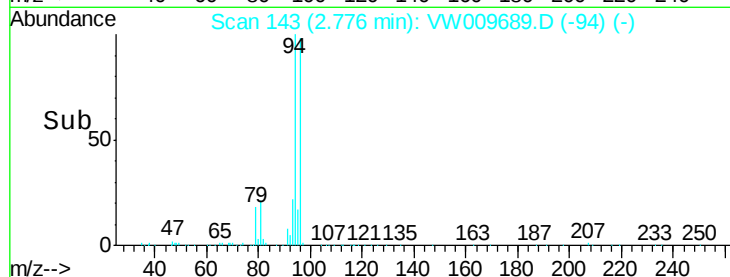
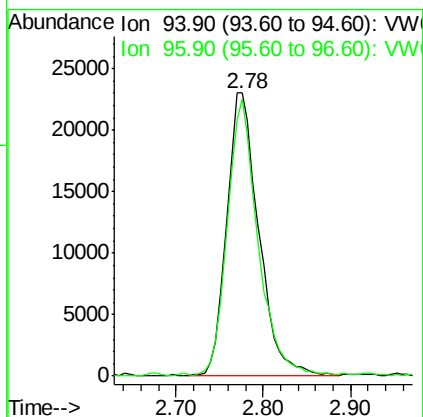
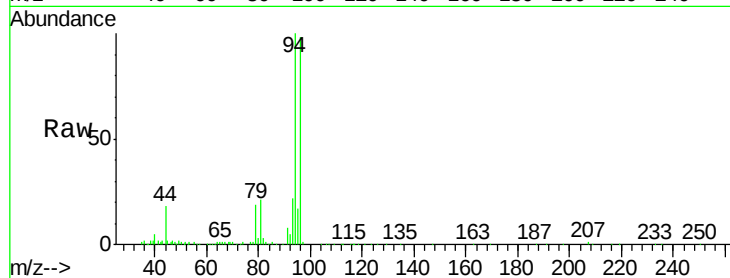
VW0404SBS01

Tgt Ion: 94 Resp: 58782

Ion Ratio Lower Upper

94 100

96 97.1 71.4 107.2



#6

Chloroethane

Concen: 19.620 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009689.D

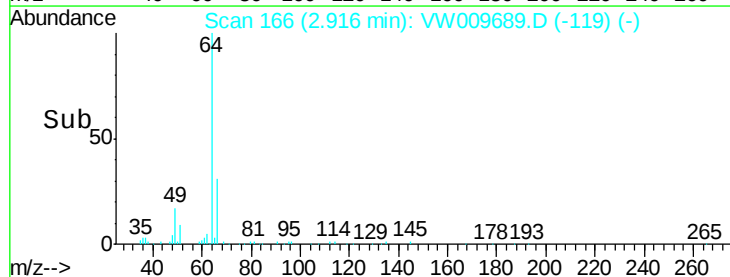
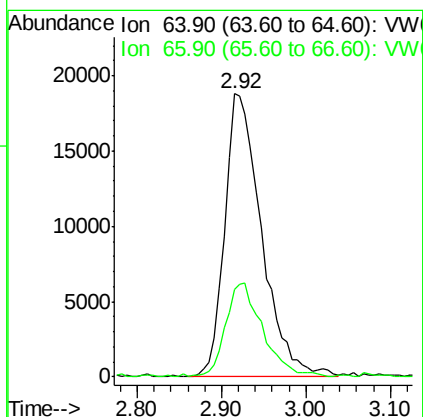
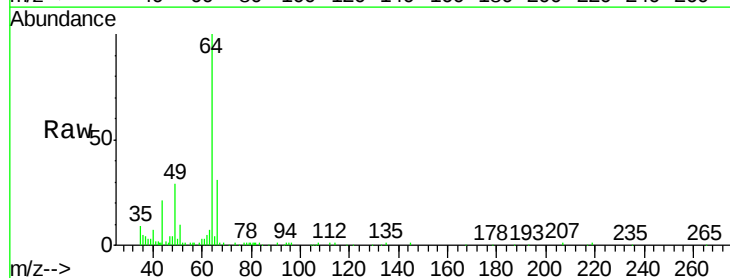
Acq: 04 Apr 2019 11:55

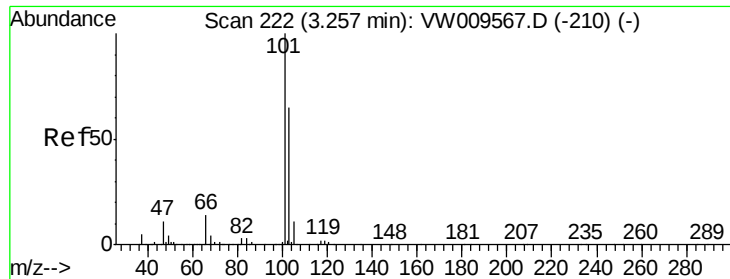
Tgt Ion: 64 Resp: 56128

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.2



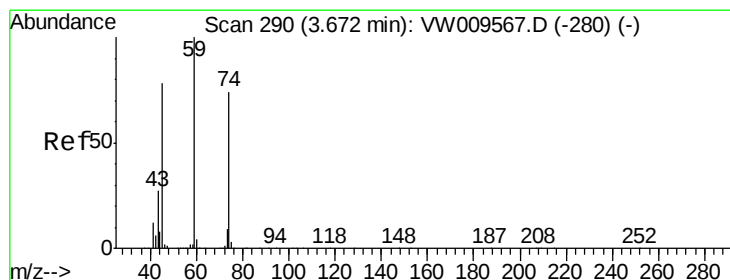
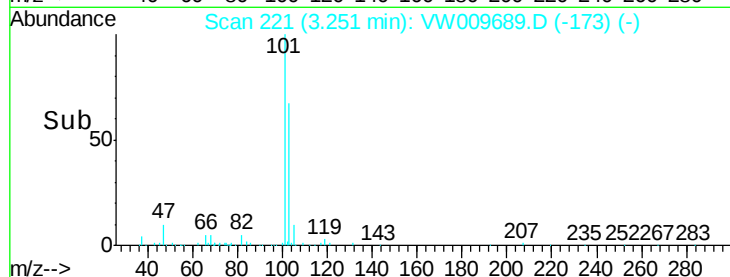
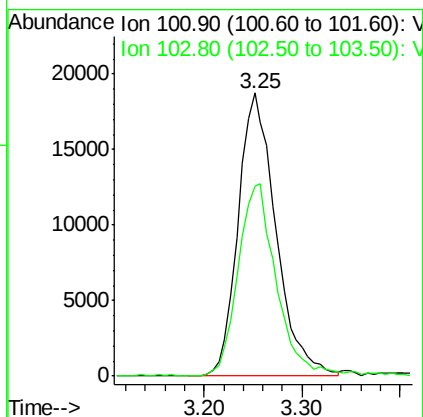
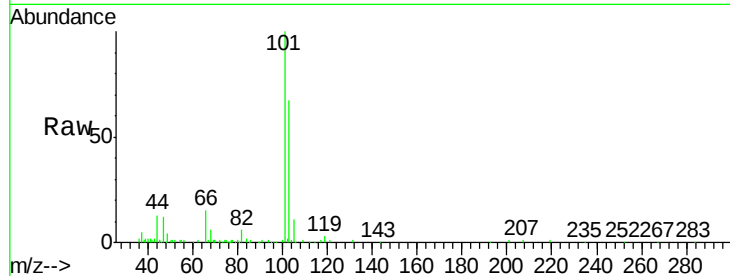


#7

Trichlorofluoromethane
 Concen: 19.061 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

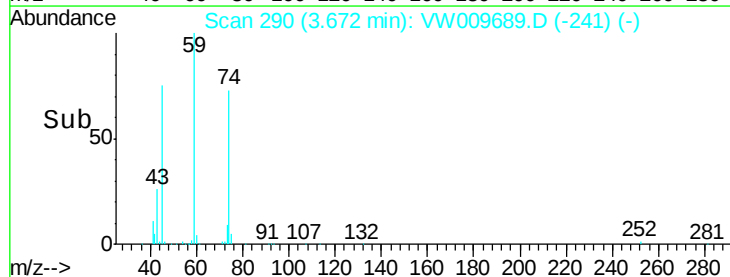
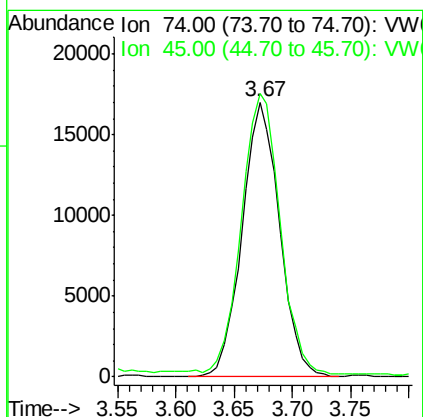
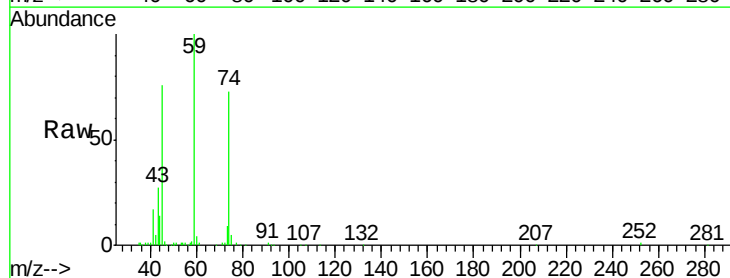
Tgt Ion:101 Resp: 50307
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.5 75.7

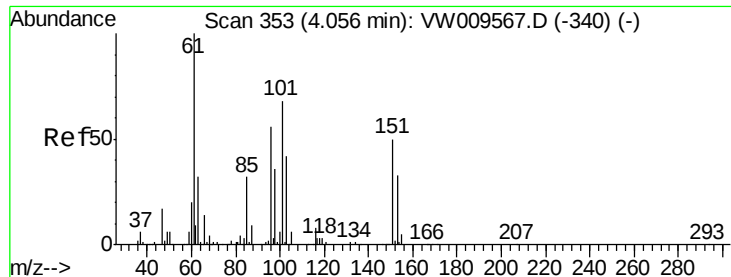


#8

Diethyl Ether
 Concen: 21.513 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 74 Resp: 38126
 Ion Ratio Lower Upper
 74 100
 45 104.9 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.898 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

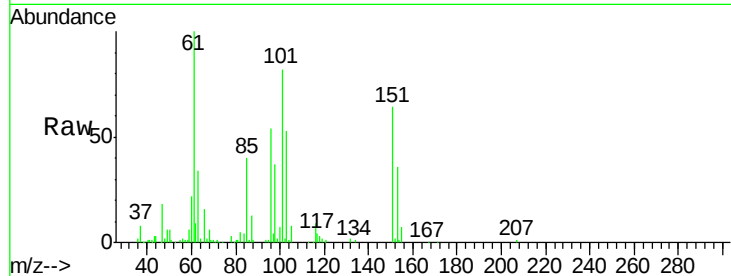
Tgt Ion:101 Resp: 77545

Ion Ratio Lower Upper

101 100

85 48.5 35.1 52.7

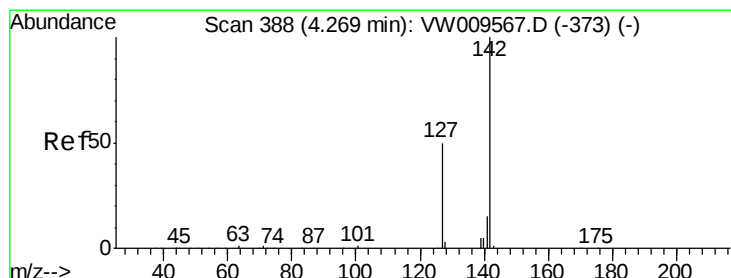
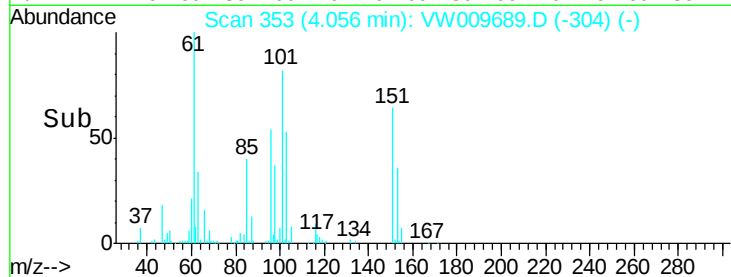
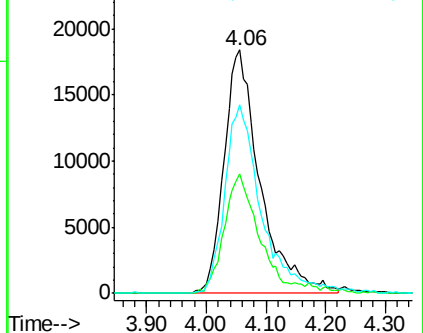
151 76.4 62.9 94.3



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: 21.721 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

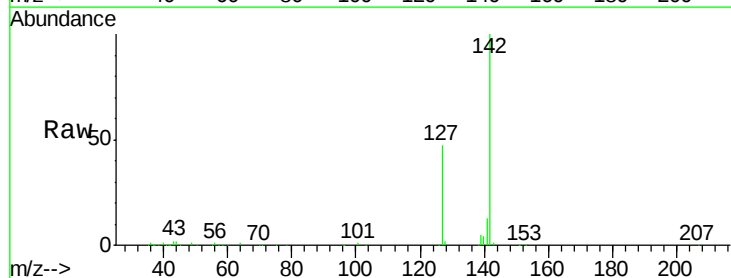
Tgt Ion:142 Resp: 104955

Ion Ratio Lower Upper

142 100

127 48.0 35.9 53.9

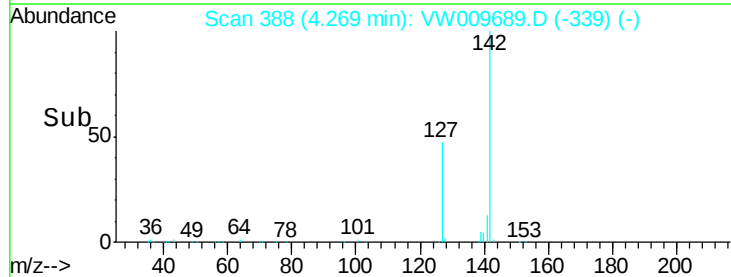
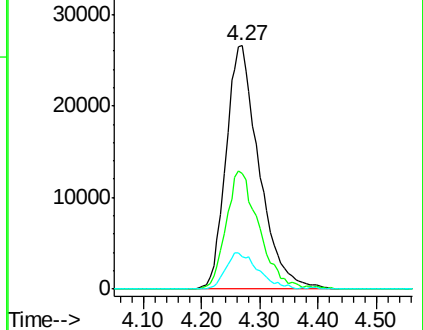
141 14.9 11.4 17.2

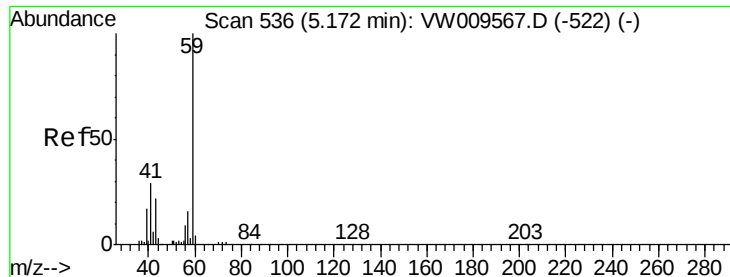


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

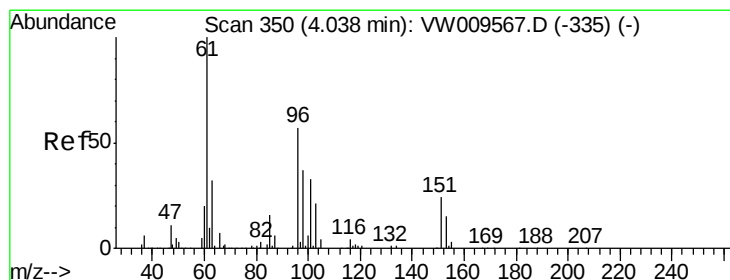
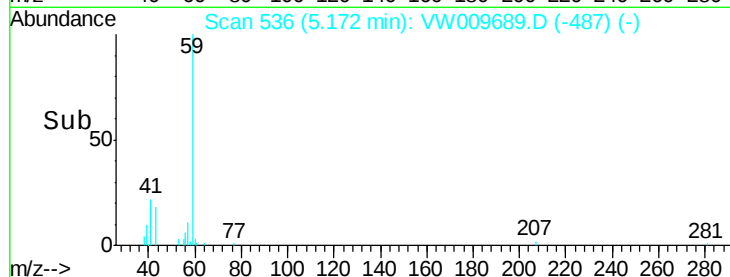
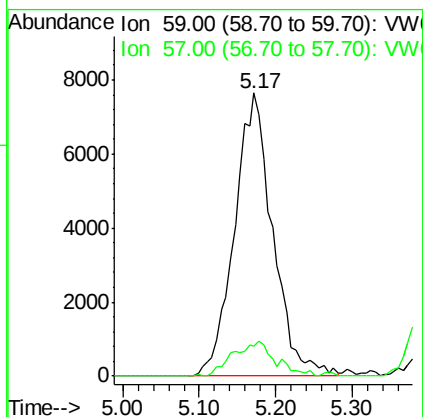
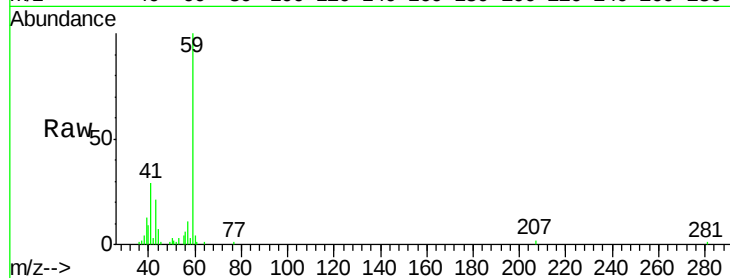




#11
Tert butyl alcohol
Concen: 116.579 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

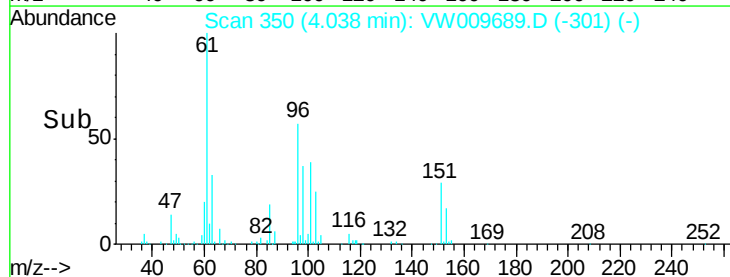
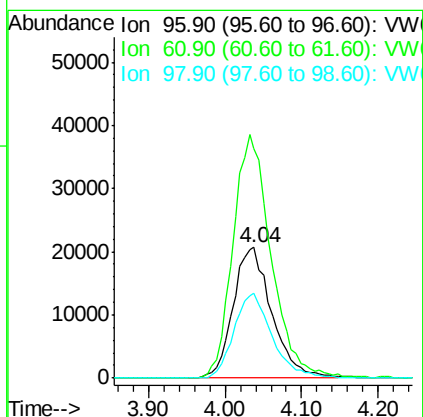
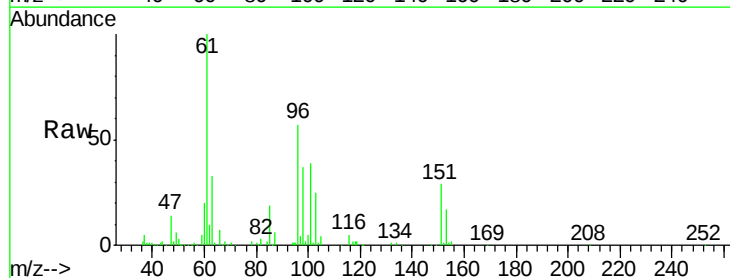
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

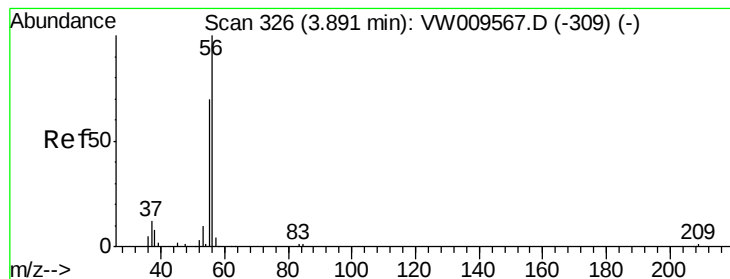
Tgt Ion: 59 Resp: 26538
Ion Ratio Lower Upper
59 100
57 13.5 9.4 14.0



#12
1,1-Dichloroethene
Concen: 21.924 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 96 Resp: 72656
Ion Ratio Lower Upper
96 100
61 175.5 138.0 207.0
98 65.4 49.8 74.8





#13

Acrolein

Concen: 101.722 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

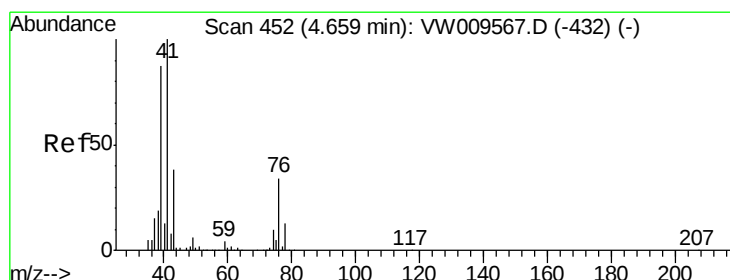
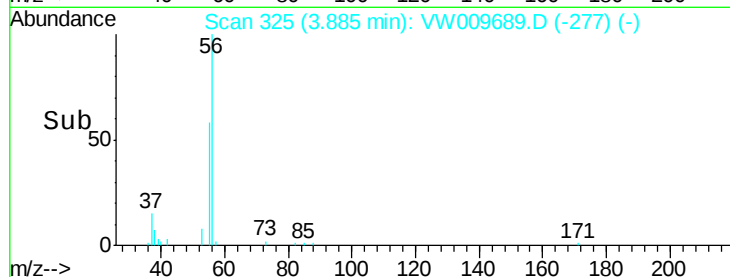
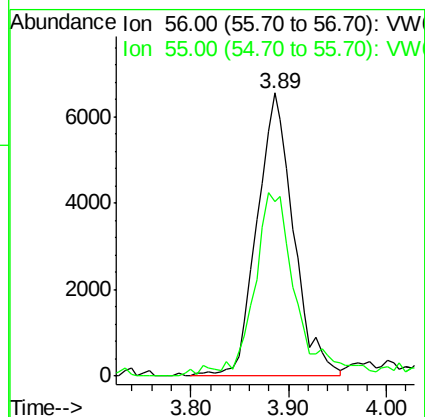
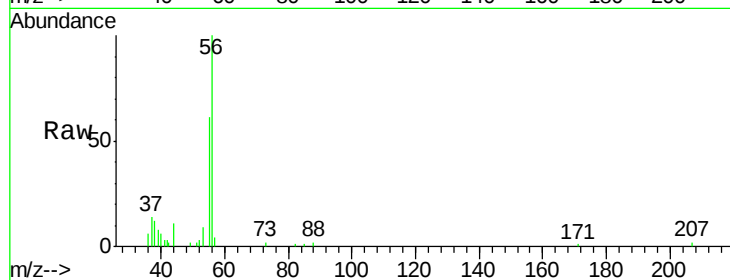
VW0404SBS01

Tgt Ion: 56 Resp: 16984

Ion Ratio Lower Upper

56 100

55 67.5 55.2 82.8



#14

Allyl chloride

Concen: 23.363 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

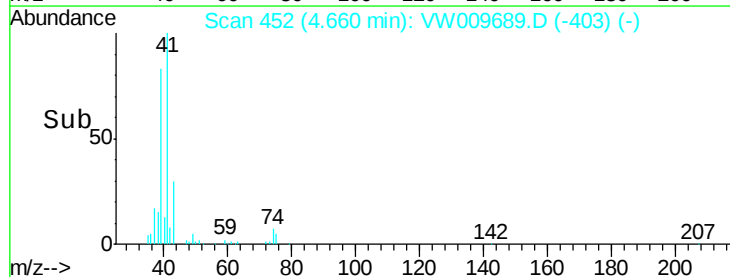
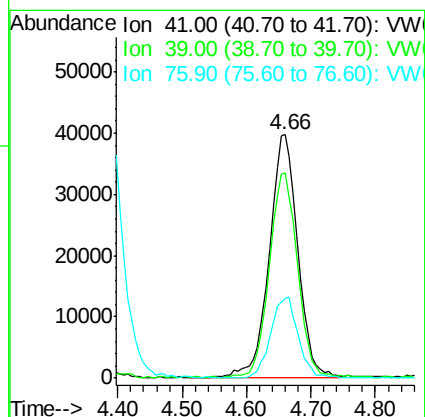
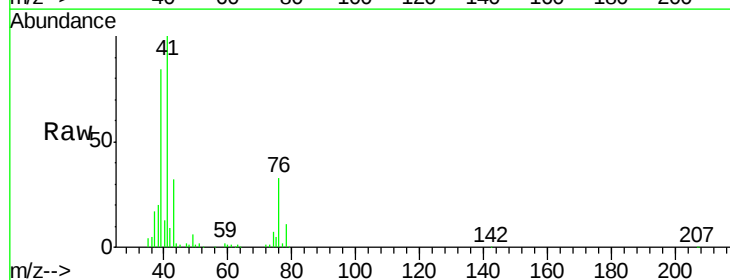
Tgt Ion: 41 Resp: 123836

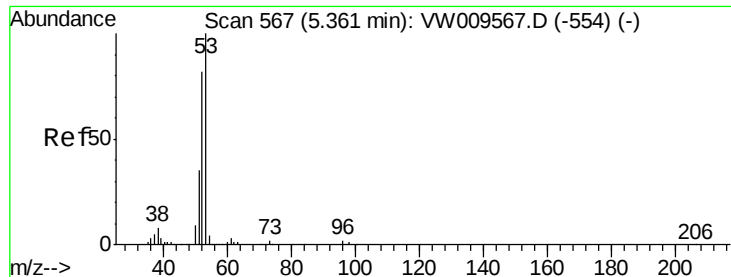
Ion Ratio Lower Upper

41 100

39 83.1 63.8 95.6

76 32.2 27.8 41.6





#15

Acrylonitrile

Concen: 104.660 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

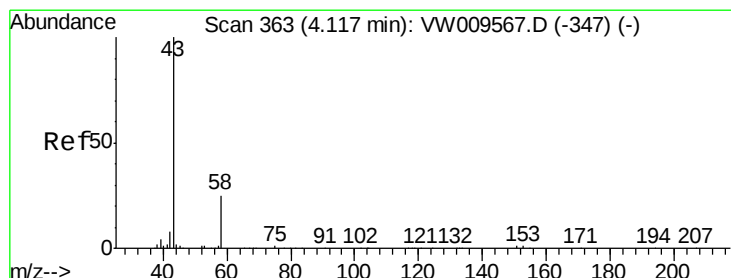
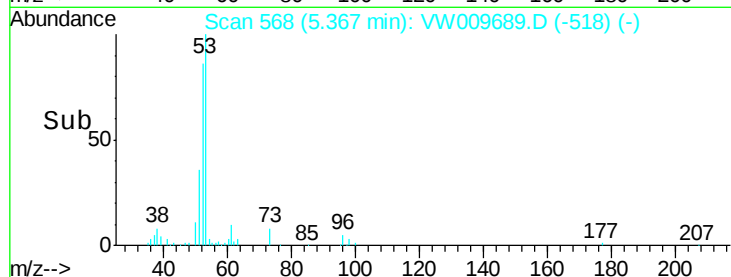
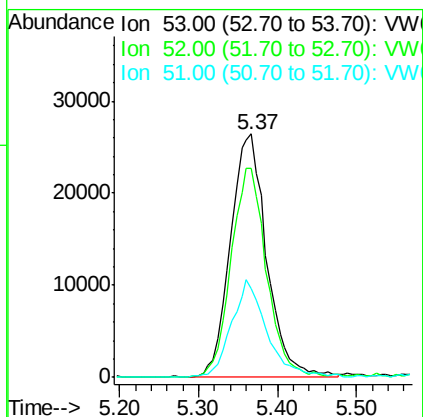
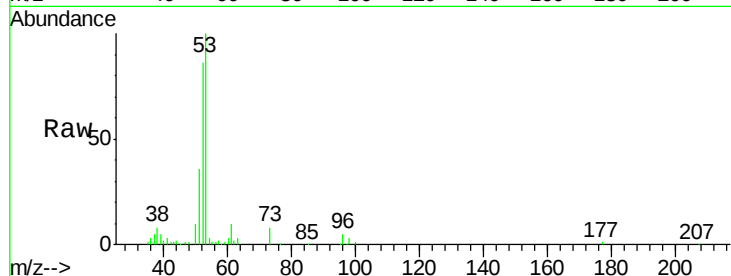
Tgt Ion: 53 Resp: 84782

Ion Ratio Lower Upper

53 100

52 83.9 67.6 101.4

51 39.0 30.6 45.8



#16

Acetone

Concen: 121.723 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009689.D

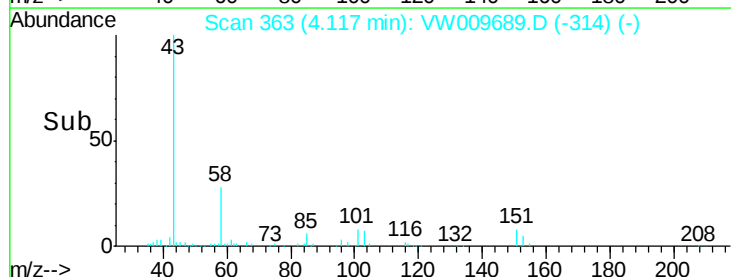
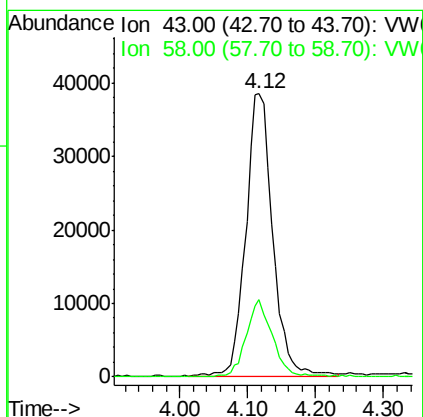
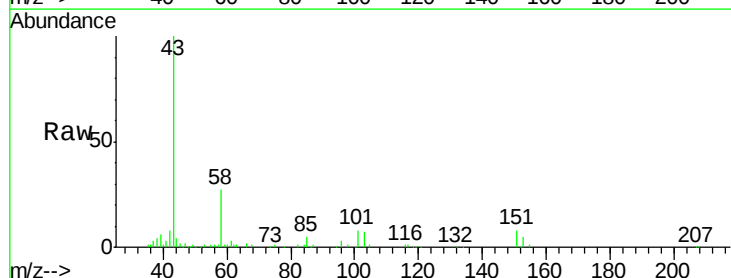
Acq: 04 Apr 2019 11:55

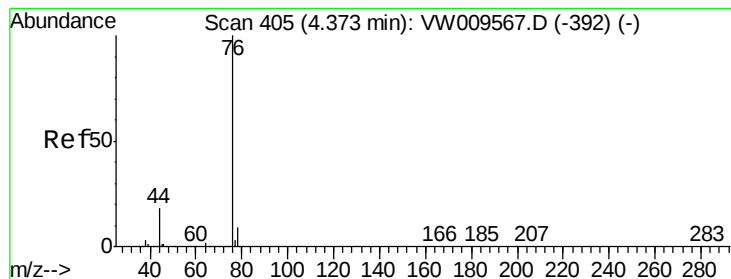
Tgt Ion: 43 Resp: 107449

Ion Ratio Lower Upper

43 100

58 27.3 23.6 35.4





#17

Carbon Disulfide

Concen: 21.466 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

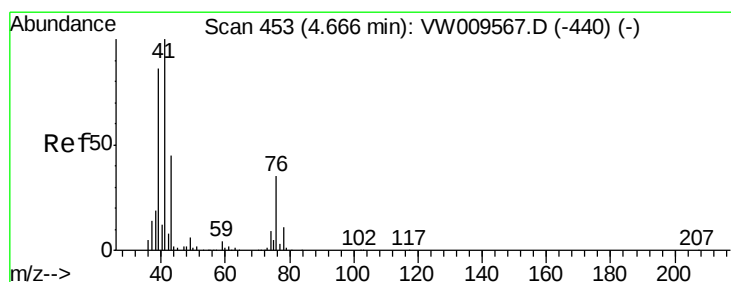
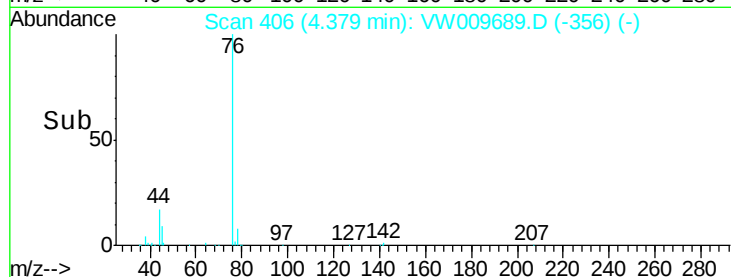
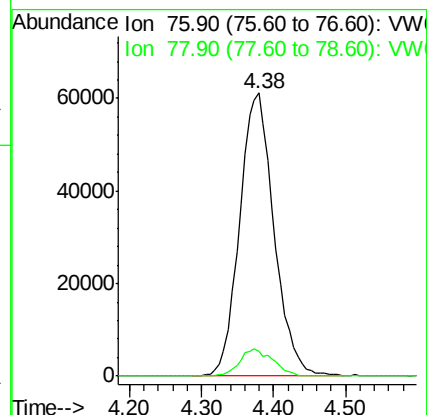
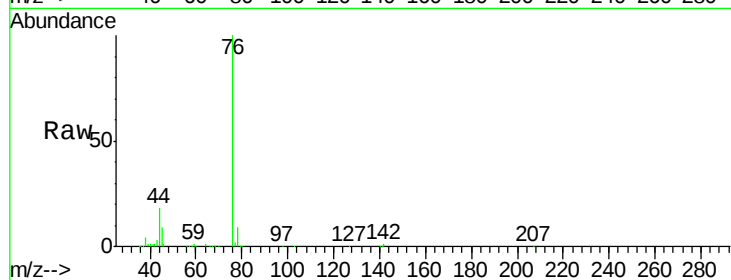
VW0404SBS01

Tgt Ion: 76 Resp: 202416

Ion Ratio Lower Upper

76 100

78 9.0 6.6 9.8



#18

Methyl Acetate

Concen: 18.636 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009689.D

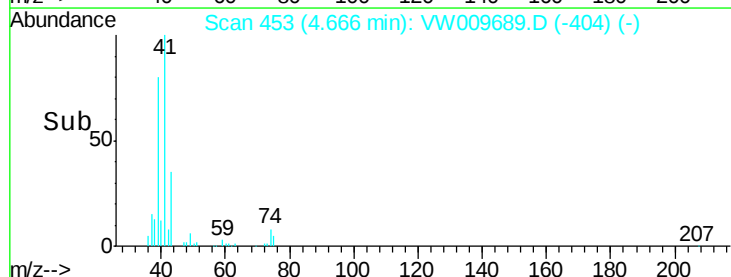
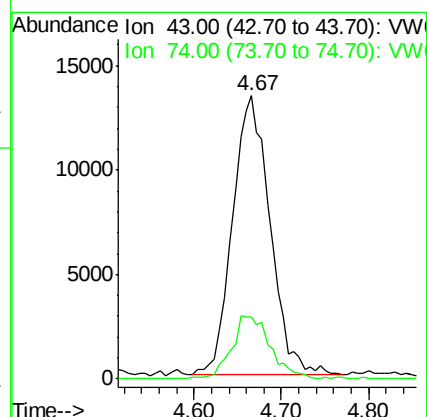
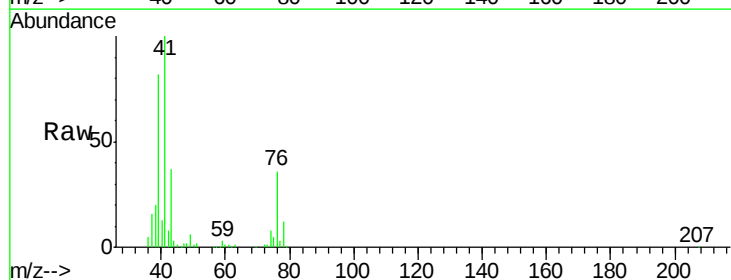
Acq: 04 Apr 2019 11:55

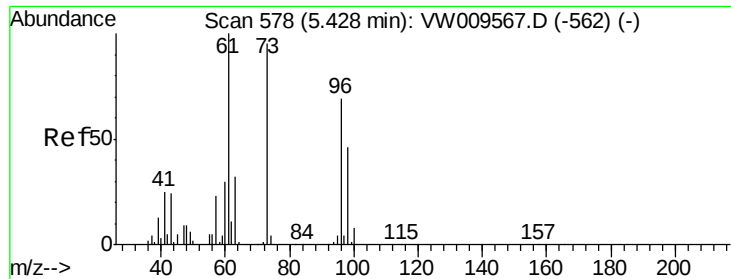
Tgt Ion: 43 Resp: 39767

Ion Ratio Lower Upper

43 100

74 23.4 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 23.517 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

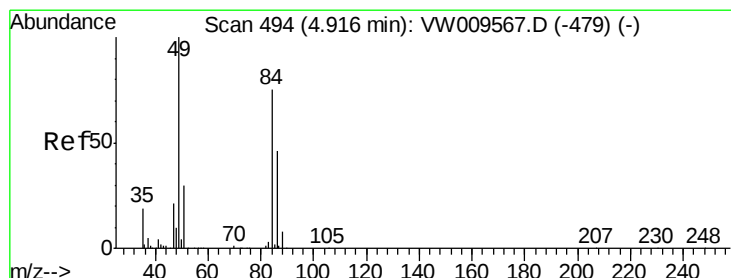
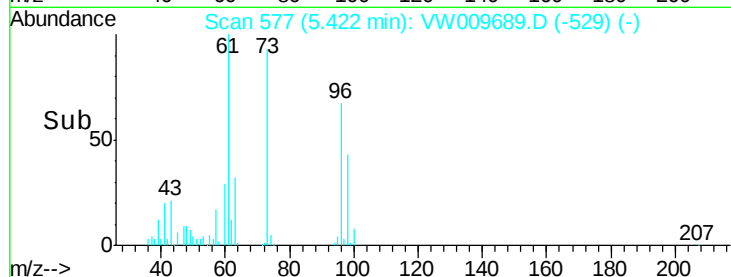
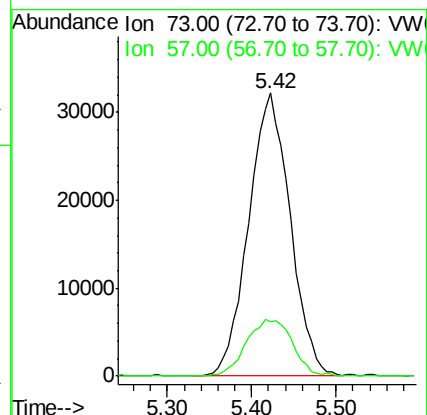
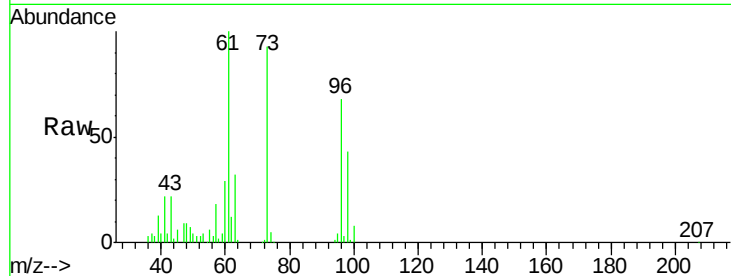
VW0404SBS01

Tgt Ion: 73 Resp: 108391

Ion Ratio Lower Upper

73 100

57 19.4 17.0 25.6



#20

Methylene Chloride

Concen: 22.501 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Tgt Ion: 84 Resp: 85310

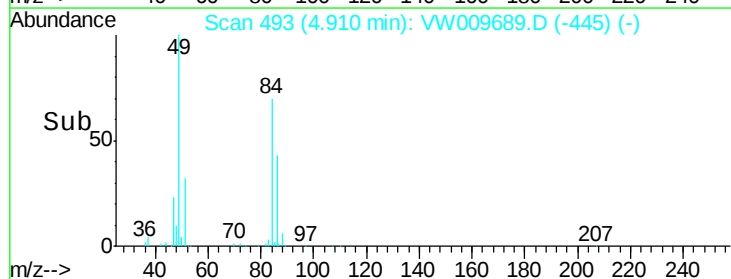
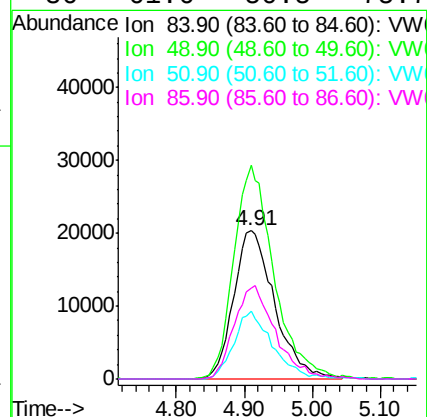
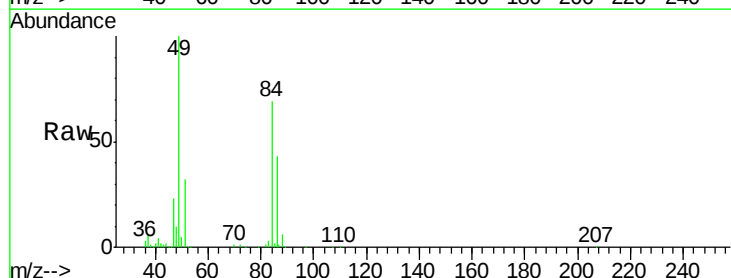
Ion Ratio Lower Upper

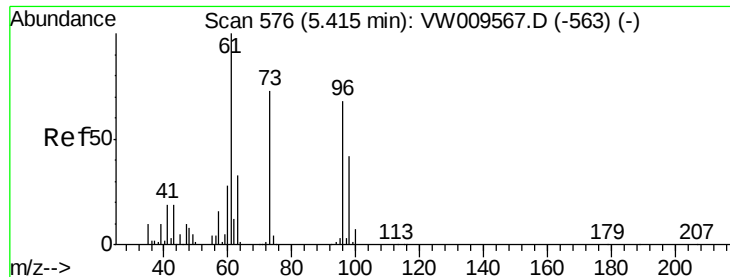
84 100

49 144.2 99.1 148.7

51 46.0 28.7 43.1#

86 61.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 21.986 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

VW0404SBS01

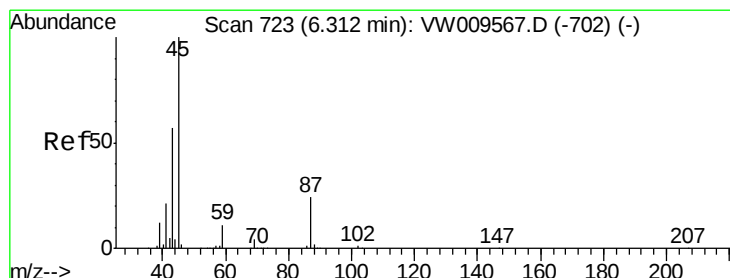
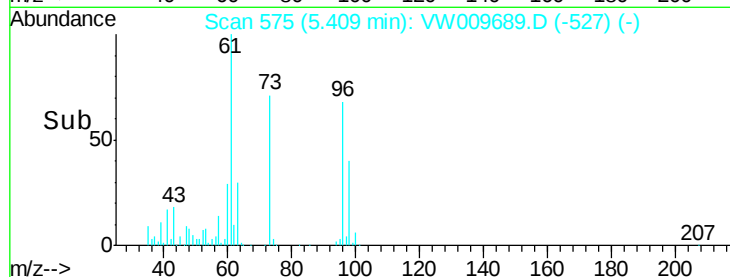
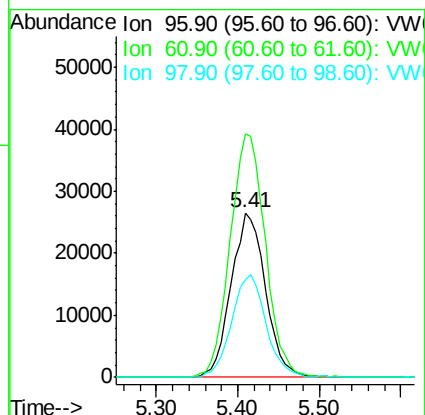
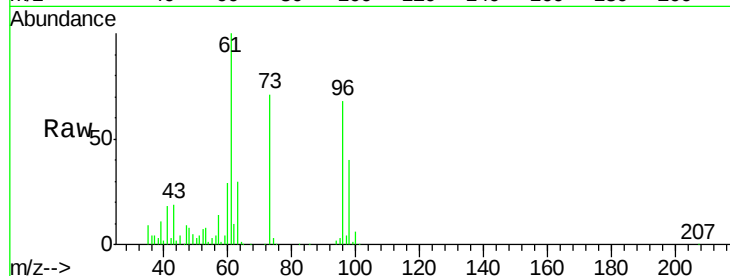
Tgt Ion: 96 Resp: 77358

Ion Ratio Lower Upper

96 100

61 147.2 108.2 162.4

98 59.1 50.9 76.3



#22

Diisopropyl ether

Concen: 22.946 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Tgt Ion: 45 Resp: 262661

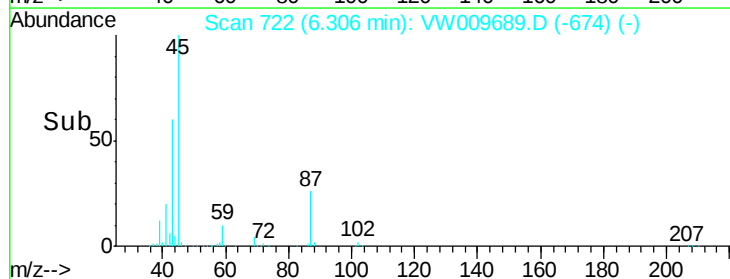
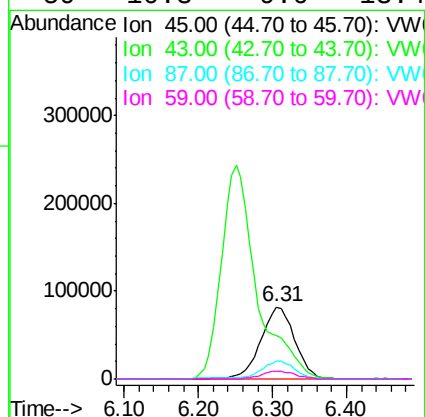
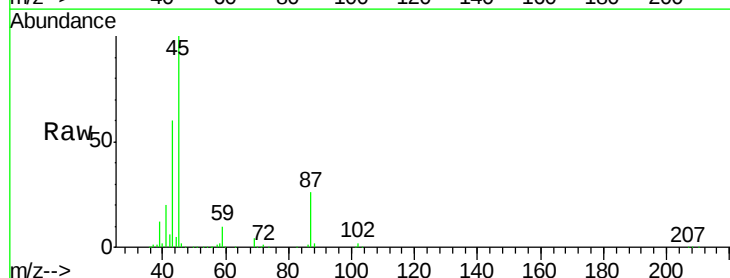
Ion Ratio Lower Upper

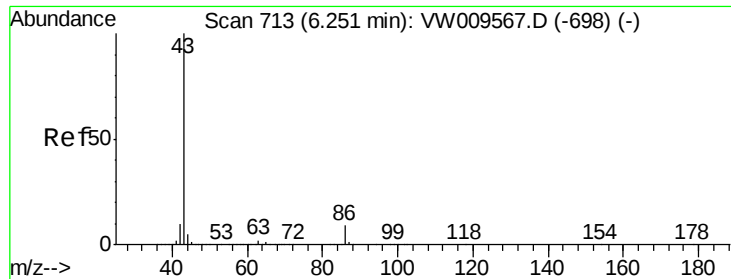
45 100

43 59.2 47.9 71.9

87 25.6 20.6 30.8

59 10.3 9.0 13.4





#23

Vinyl Acetate

Concen: 113.267 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

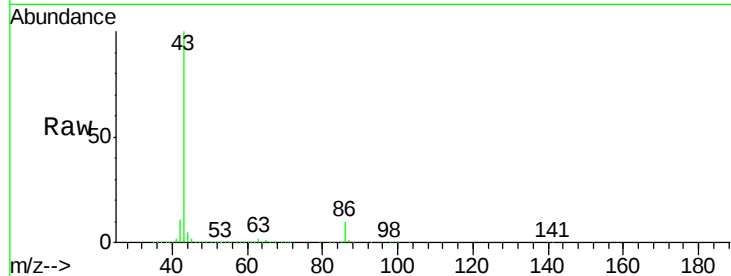
VW0404SBS01

Tgt Ion: 43 Resp: 808852

Ion Ratio Lower Upper

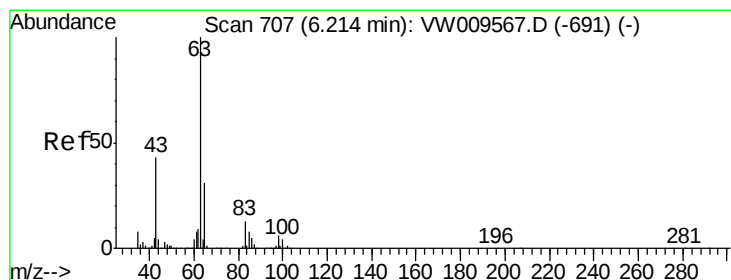
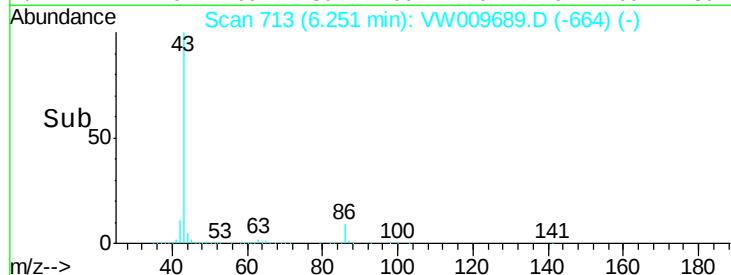
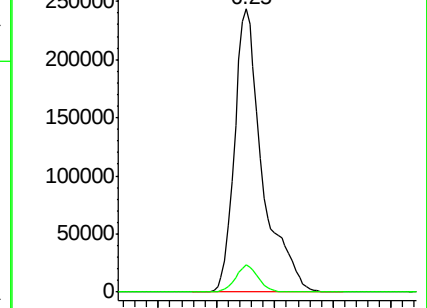
43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.204 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

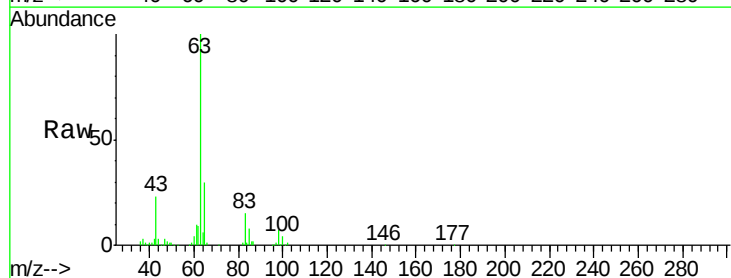
Tgt Ion: 63 Resp: 152980

Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

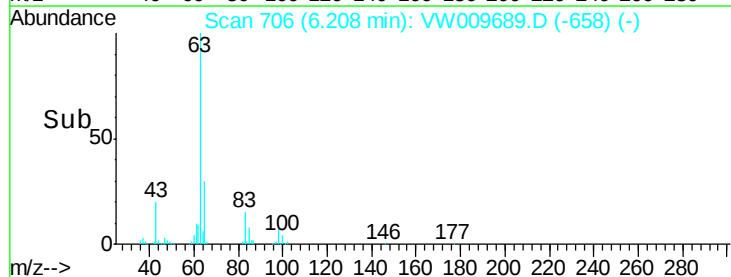
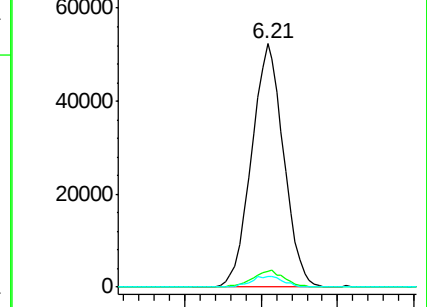
100 4.5 2.4 7.1

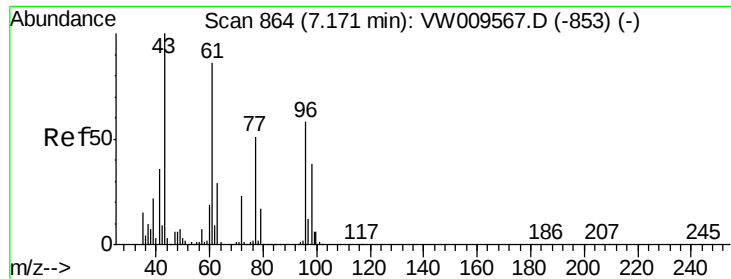


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 107.743 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

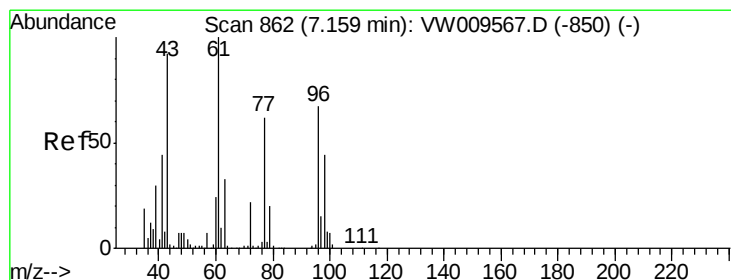
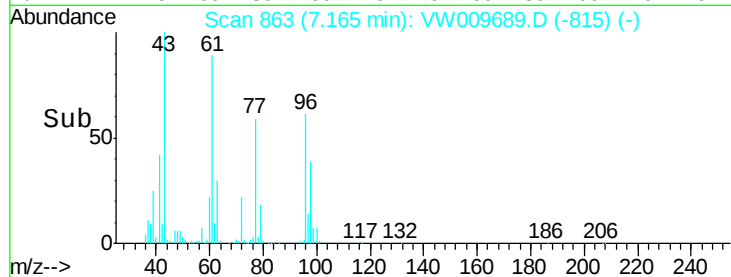
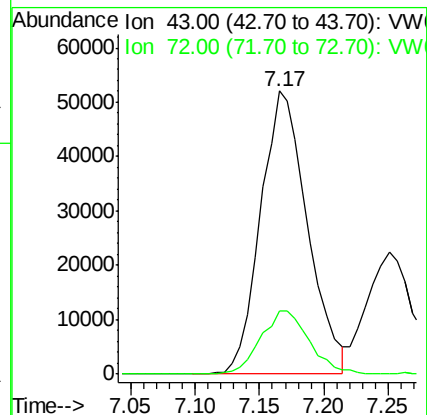
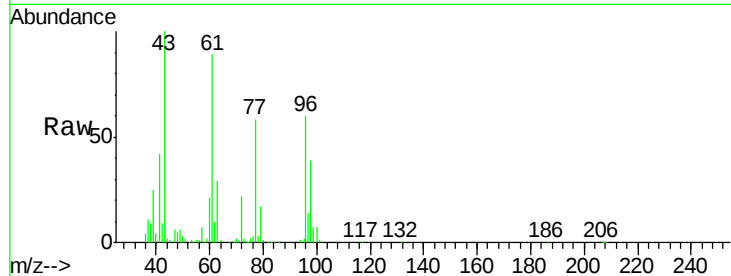
VW0404SBS01

Tgt Ion: 43 Resp: 131429

Ion Ratio Lower Upper

43 100

72 22.3 20.0 30.0



#26

2,2-Dichloropropane

Concen: 23.497 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009689.D

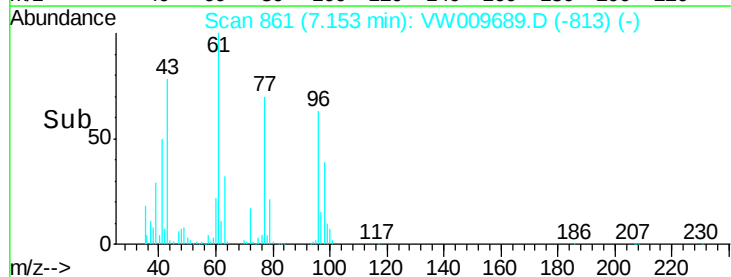
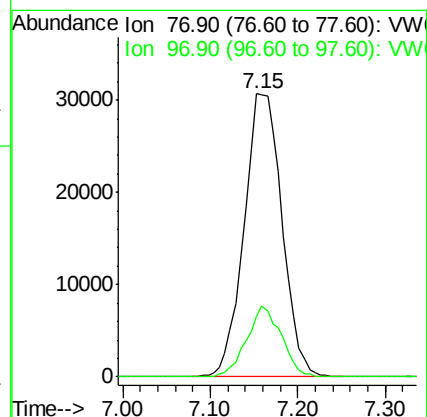
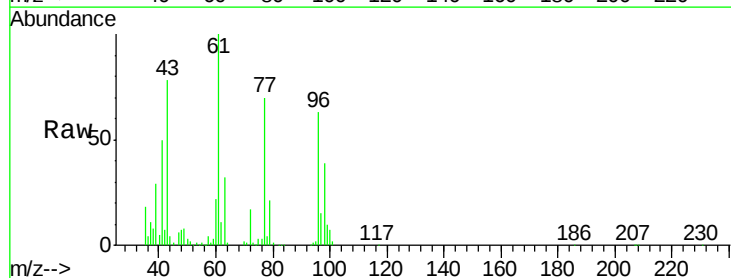
Acq: 04 Apr 2019 11:55

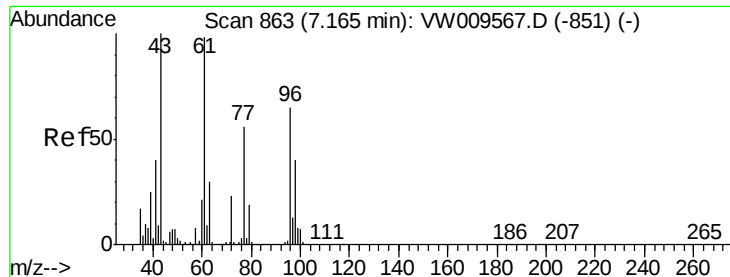
Tgt Ion: 77 Resp: 92555

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7



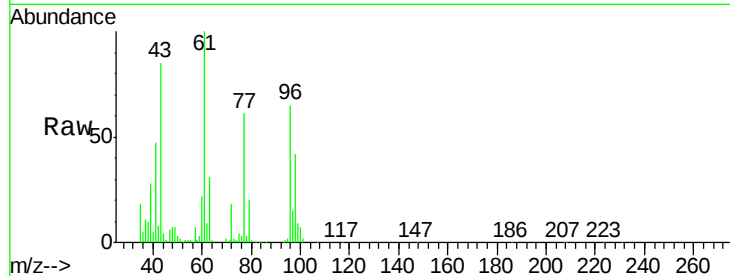


#27

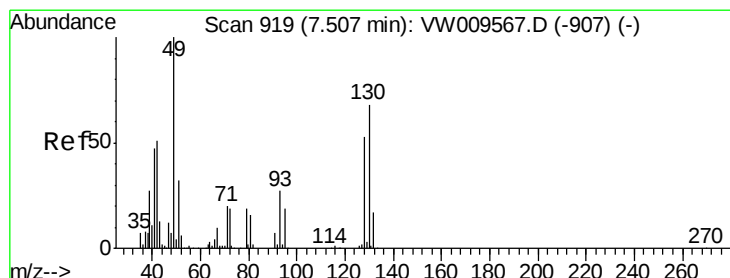
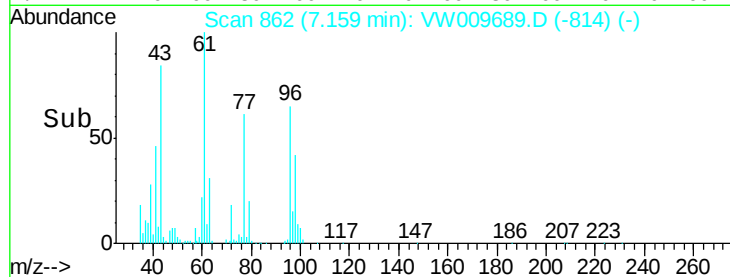
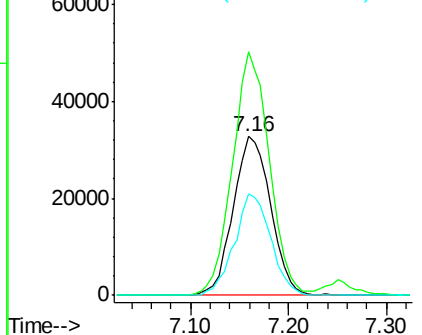
cis-1,2-Dichloroethene
 Concen: 22.608 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

Tgt Ion: 96 Resp: 86871
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 289.8
 98 61.9 0.0 130.8



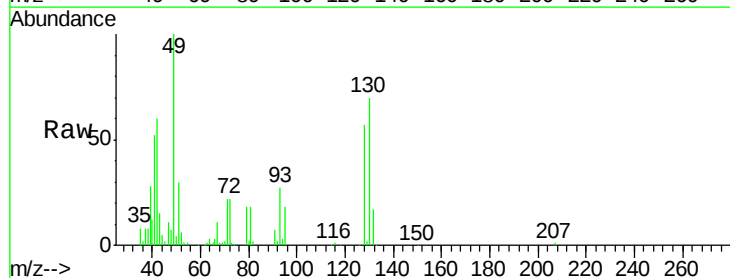
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



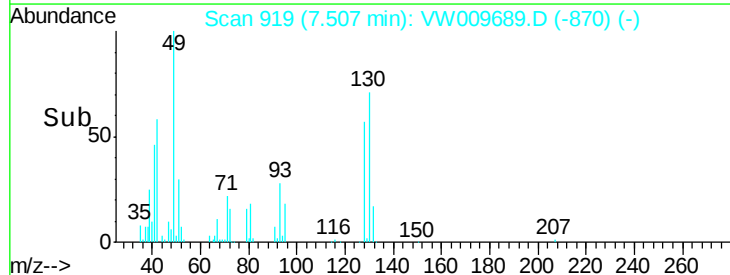
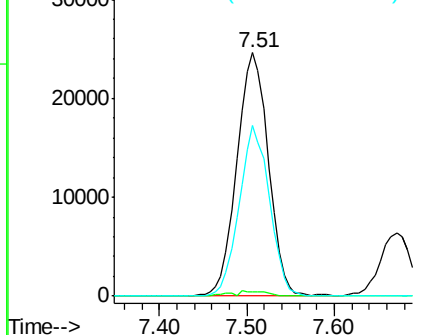
#28

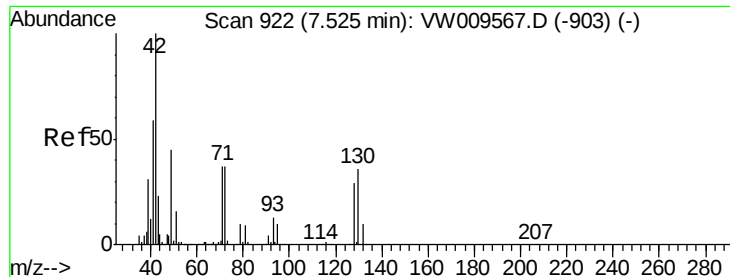
Bromochloromethane
 Concen: 20.662 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 49 Resp: 61687
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 1.4#
 130 67.6 58.6 88.0



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.718 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

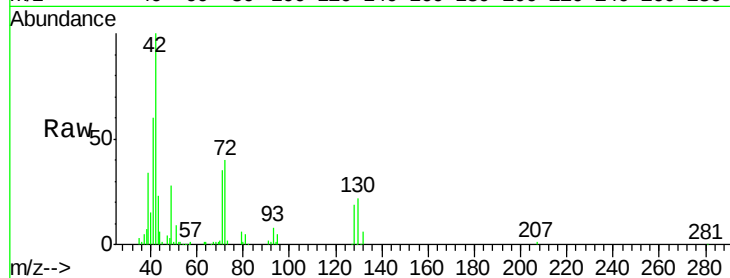
Tgt Ion: 42 Resp: 79318

Ion Ratio Lower Upper

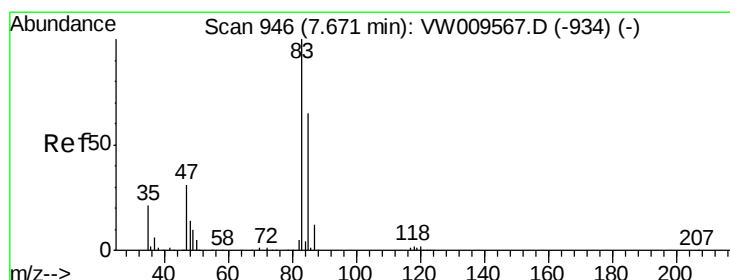
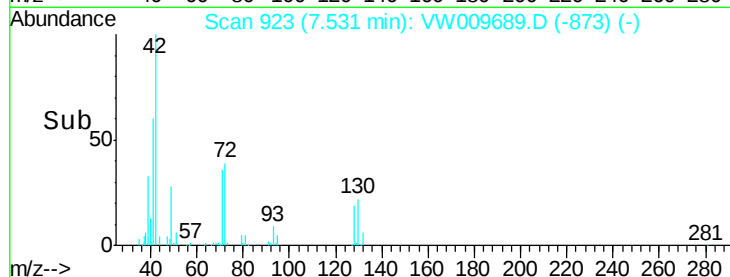
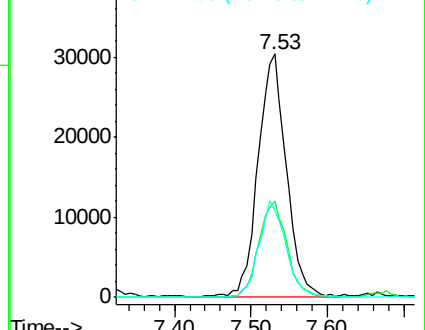
42 100

72 39.1 32.4 48.6

71 37.4 30.1 45.1



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



#30

Chloroform

Concen: 21.881 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009689.D

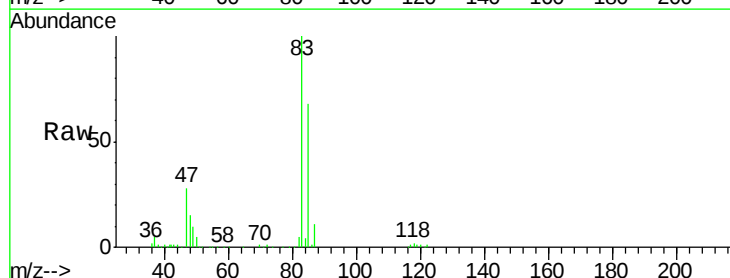
Acq: 04 Apr 2019 11:55

Tgt Ion: 83 Resp: 156141

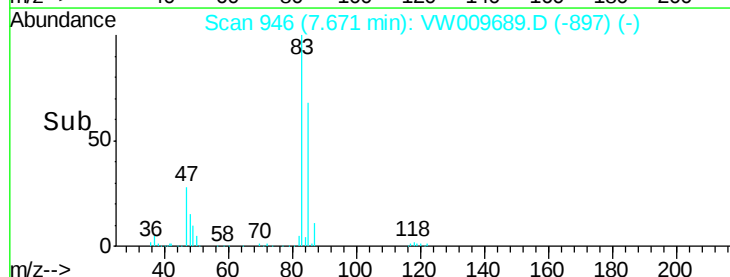
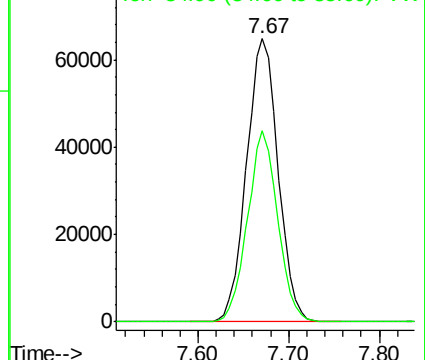
Ion Ratio Lower Upper

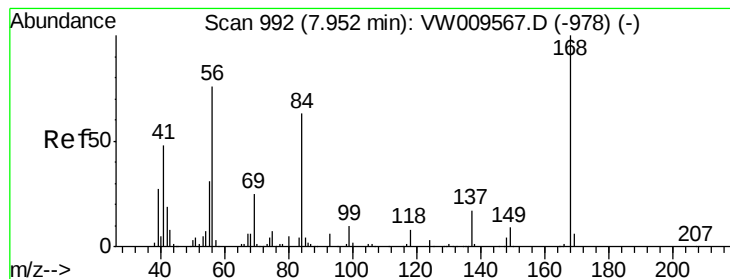
83 100

85 67.8 51.0 76.6



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





#31

Cyclohexane

Concen: 21.757 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

VW0404SBS01

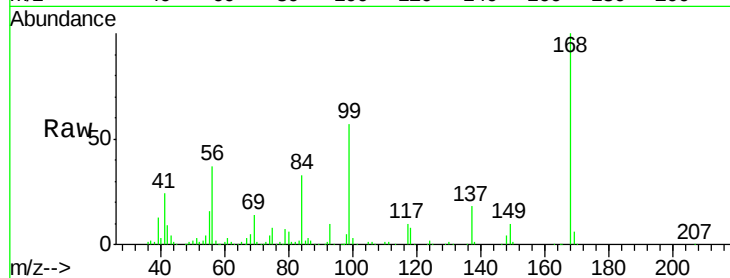
Tgt Ion: 56 Resp: 140534

Ion Ratio Lower Upper

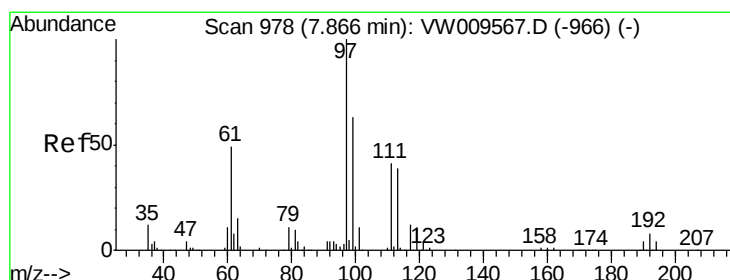
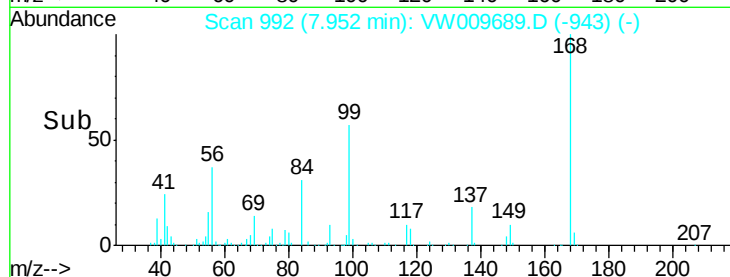
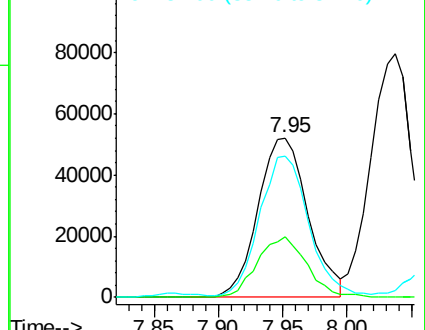
56 100

69 38.4 26.1 39.1

84 86.5 68.6 103.0



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: 22.203 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

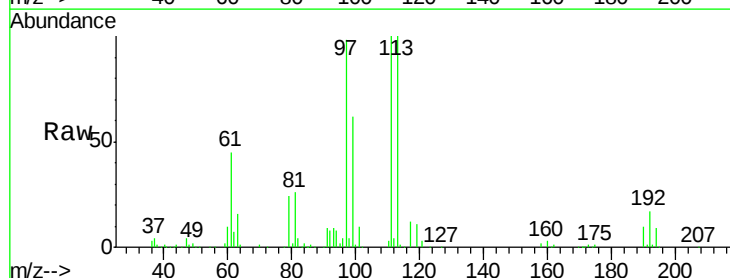
Tgt Ion: 97 Resp: 128262

Ion Ratio Lower Upper

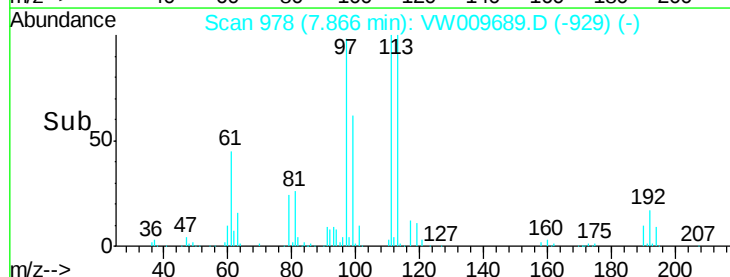
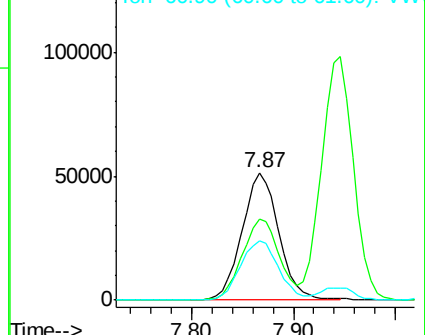
97 100

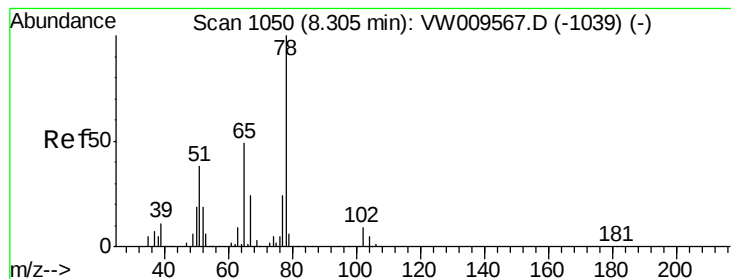
99 64.4 51.9 77.9

61 48.4 36.8 55.2



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: 54.801 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampled :

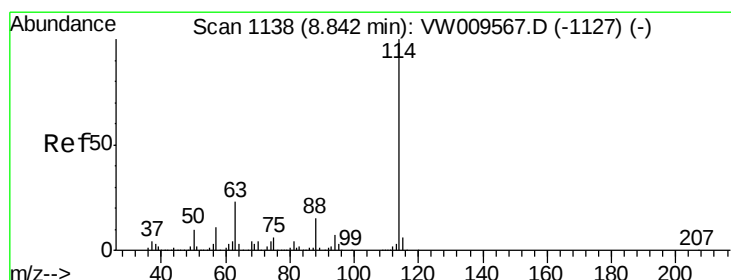
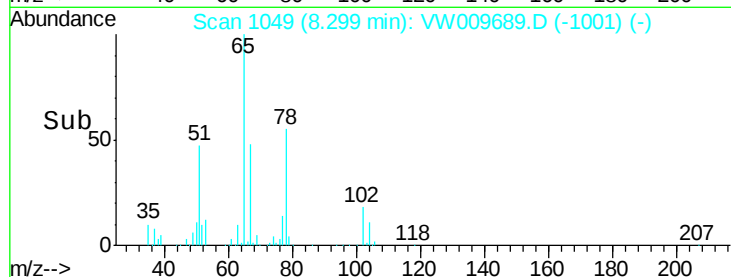
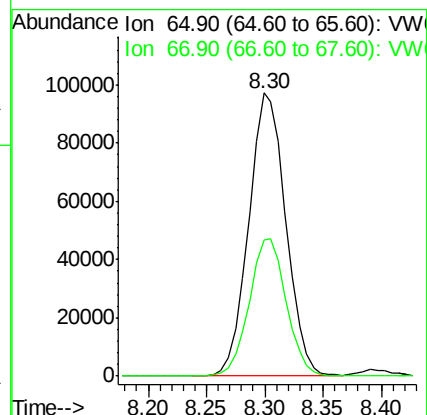
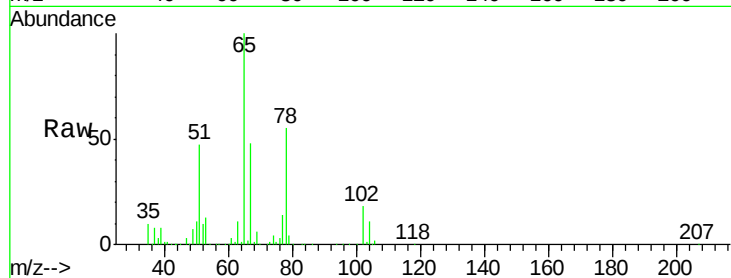
VW0404SBS01

Tgt Ion: 65 Resp: 215158

Ion Ratio Lower Upper

65 100

67 48.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

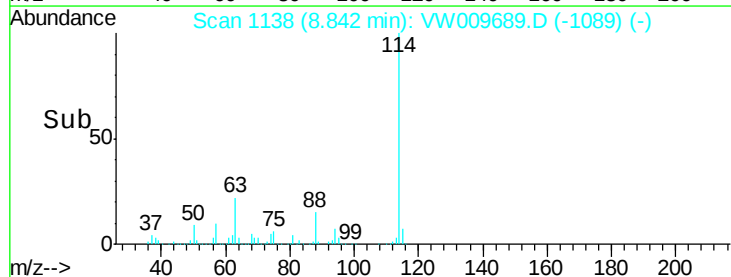
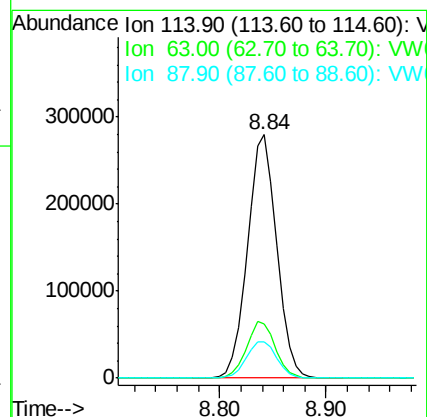
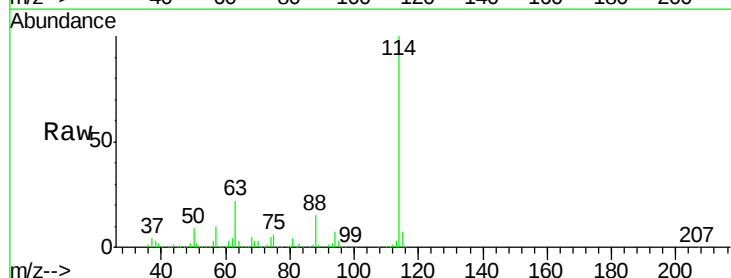
Tgt Ion: 114 Resp: 537531

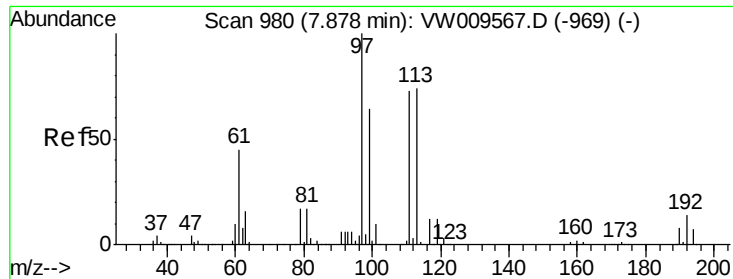
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

88 15.0 0.0 30.8

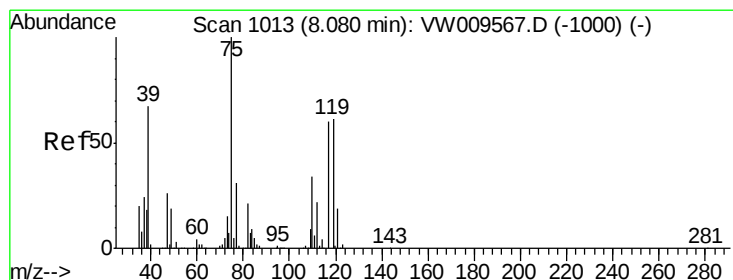
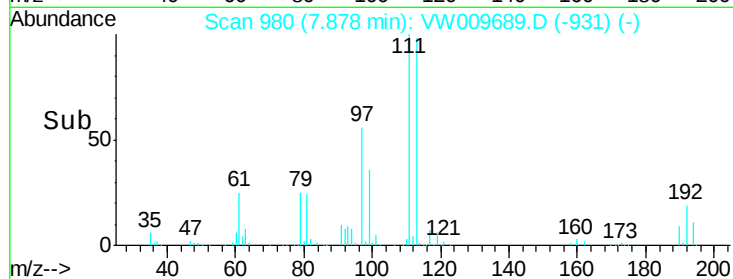
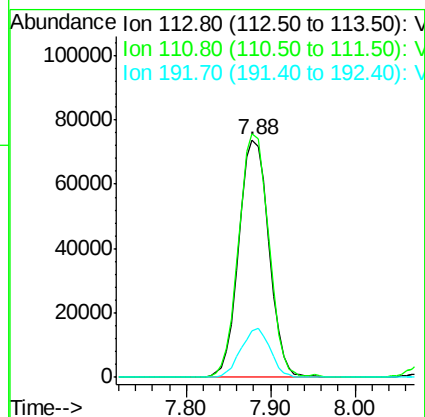
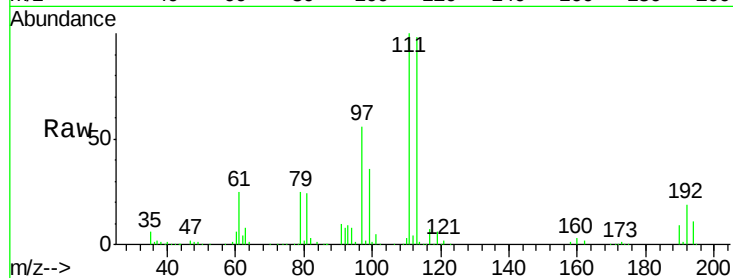




#35
 Dibromofluoromethane
 Concen: 52.742 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

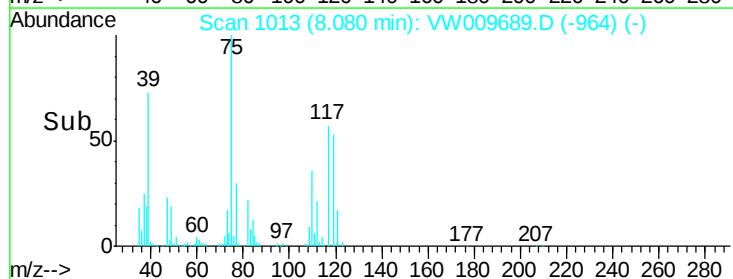
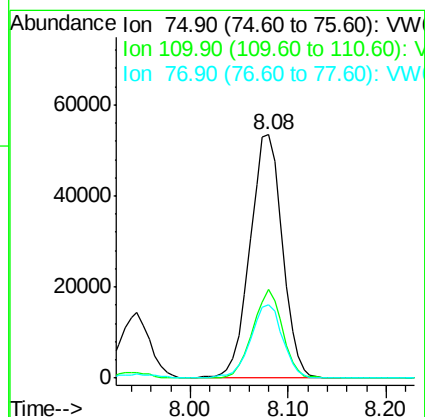
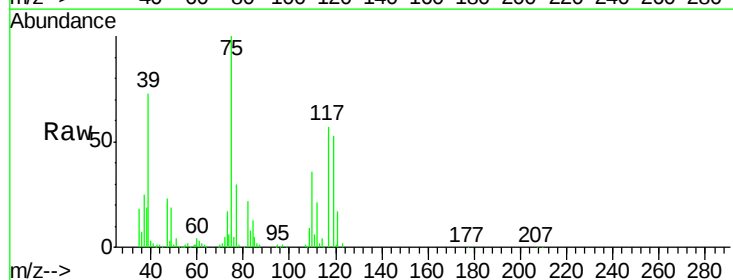
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

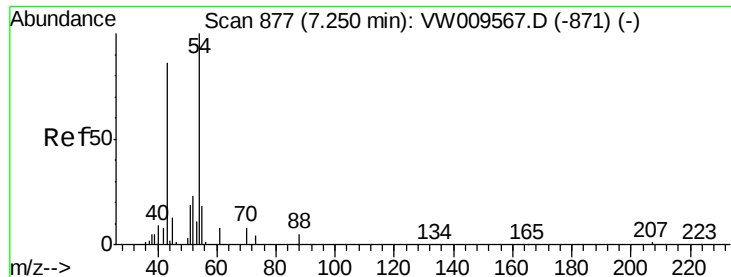
Tgt Ion: 113 Resp: 178064
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 19.9 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 22.174 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 75 Resp: 123284
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.8 50.4
 77 30.1 24.6 36.8

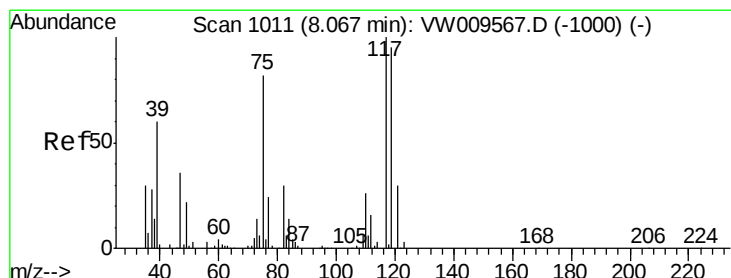
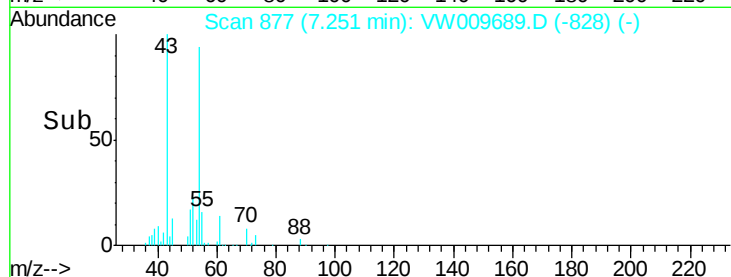
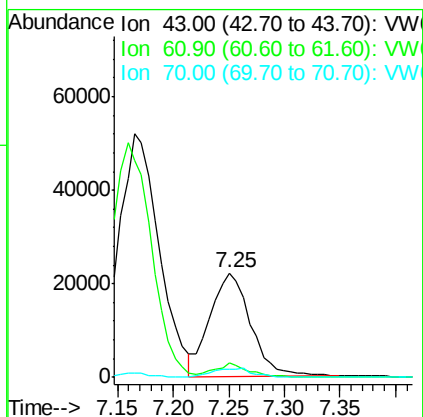
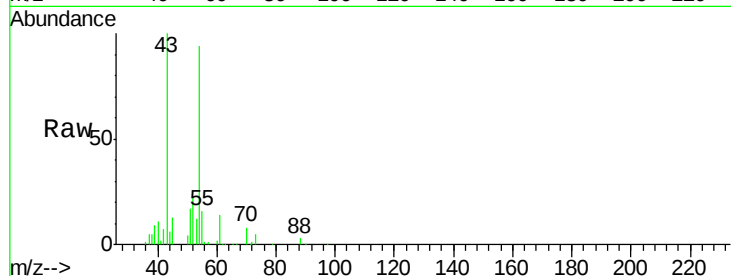




#37
Ethyl Acetate
Concen: 21.426 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

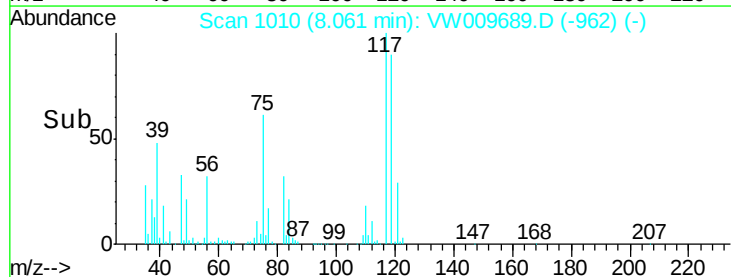
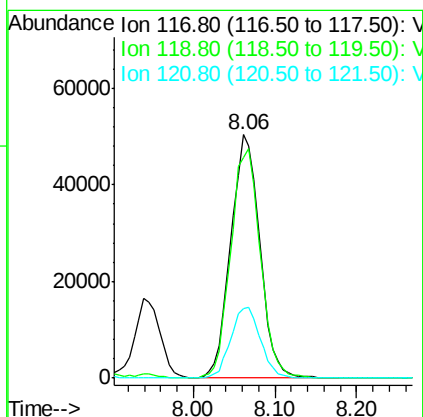
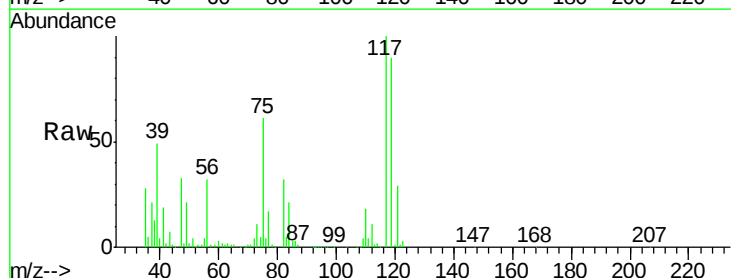
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

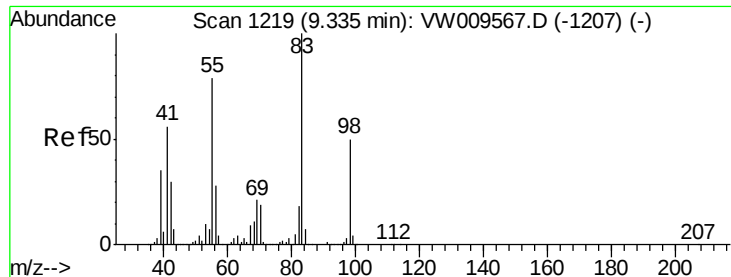
Tgt Ion: 43 Resp: 56596
Ion Ratio Lower Upper
43 100
61 11.4 10.0 15.0
70 8.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 21.730 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 117 Resp: 123795
Ion Ratio Lower Upper
117 100
119 90.5 75.4 113.0
121 28.7 24.9 37.3

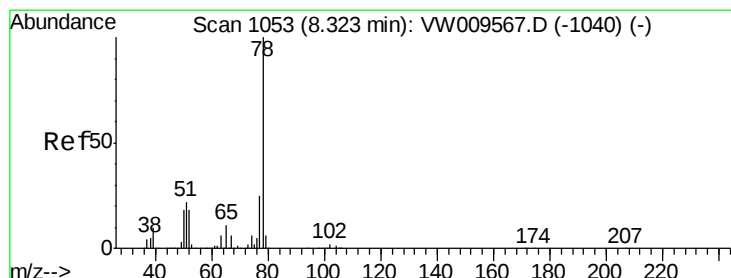
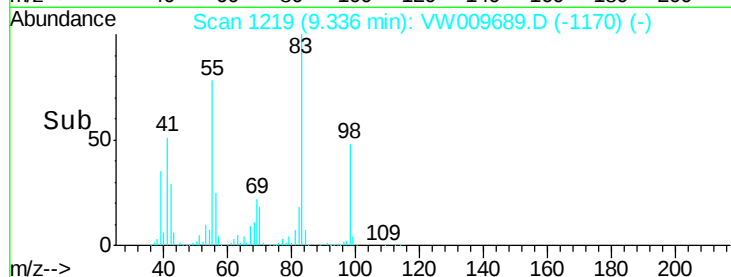
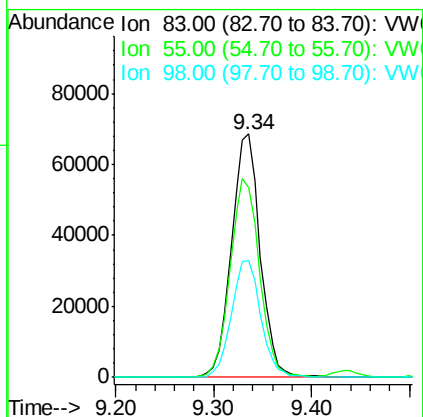
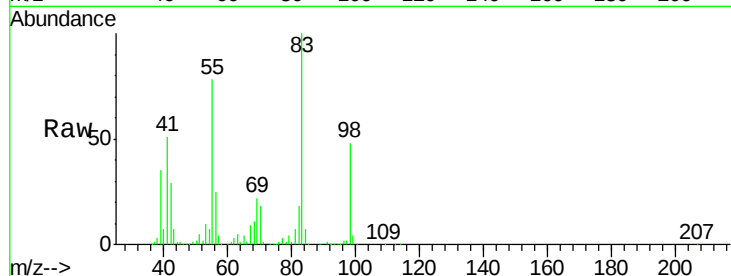




#39
Methylcyclohexane
Concen: 21.999 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

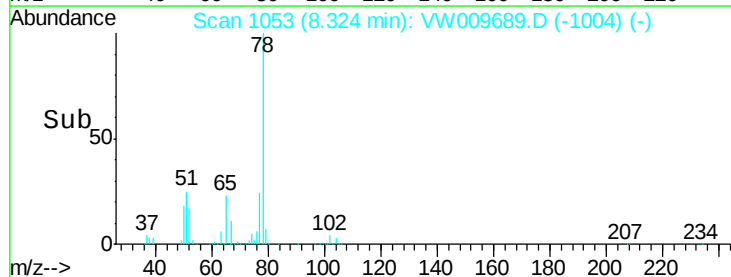
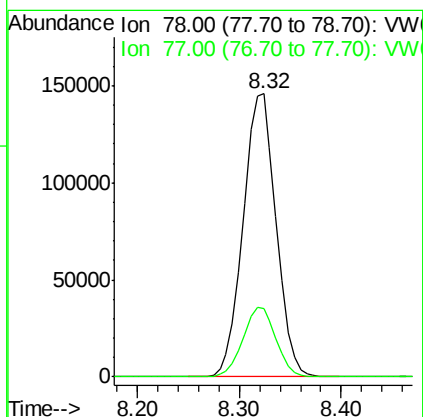
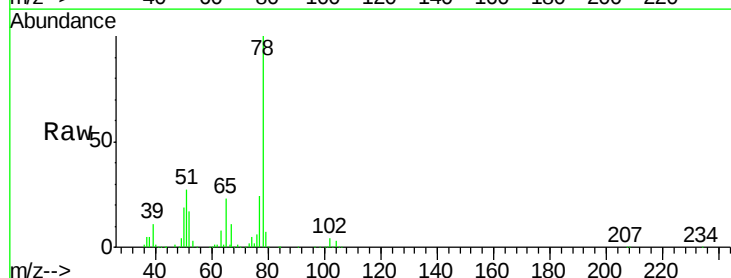
Instrument :
MSVOA_W
ClientSampled :
VW0404SBS01

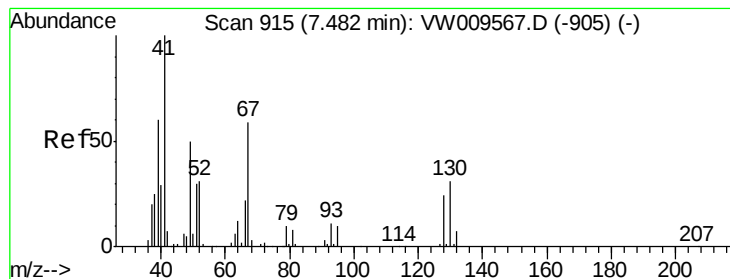
Tgt Ion: 83 Resp: 139712
Ion Ratio Lower Upper
83 100
55 78.0 61.1 91.7
98 48.2 39.0 58.4



#40
Benzene
Concen: 21.766 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 78 Resp: 327792
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6





#41

Methacrylonitrile

Concen: 19.262 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

Tgt Ion: 41 Resp: 28635

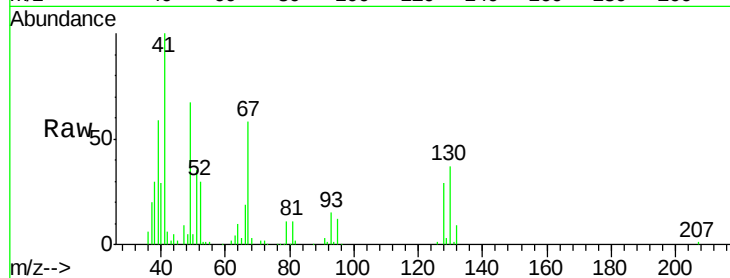
Ion Ratio Lower Upper

41 100

39 68.7 52.5 78.7

67 72.4 56.6 84.8

52 34.3 27.2 40.8

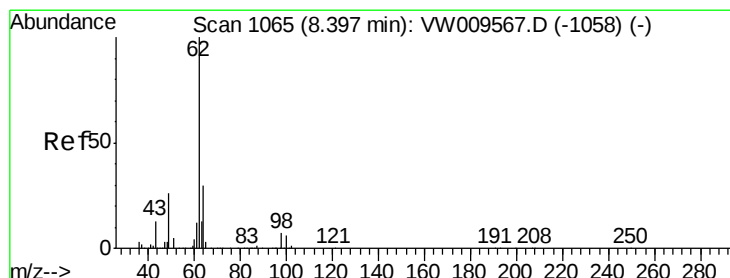
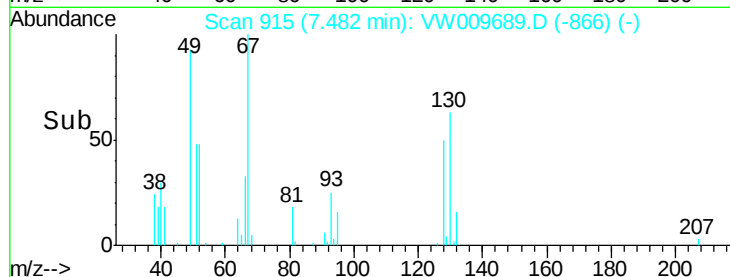
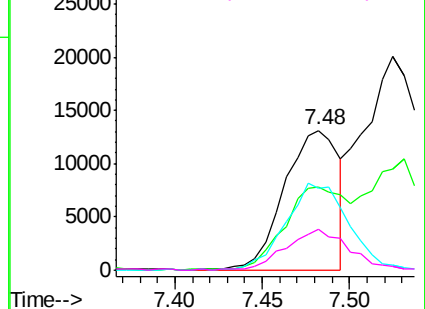


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 22.124 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009689.D

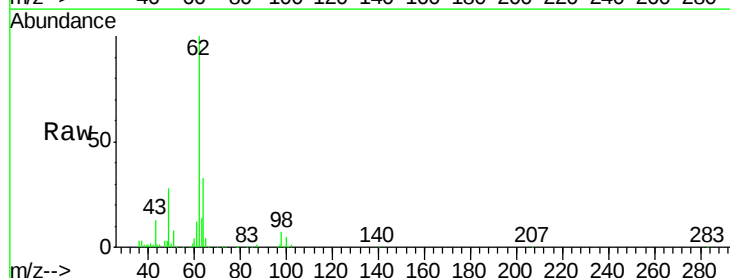
Acq: 04 Apr 2019 11:55

Tgt Ion: 62 Resp: 113586

Ion Ratio Lower Upper

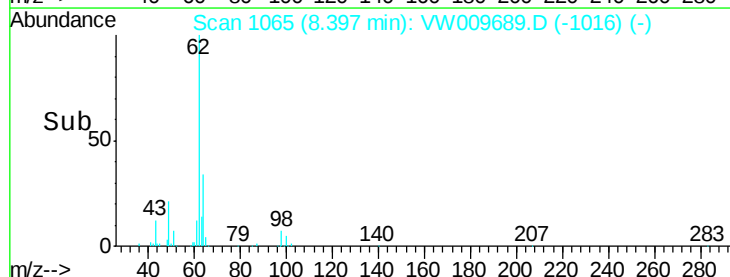
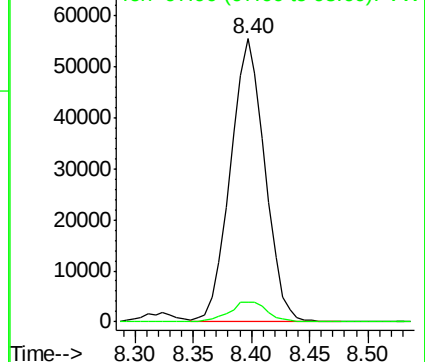
62 100

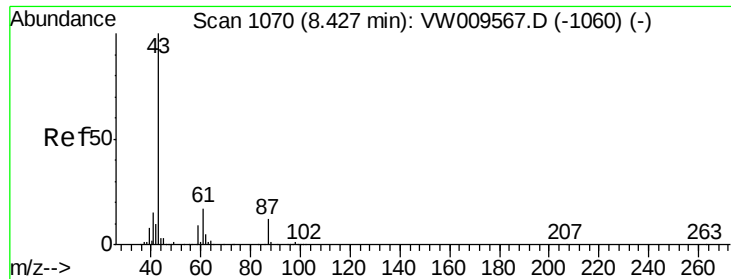
98 7.7 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.249 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

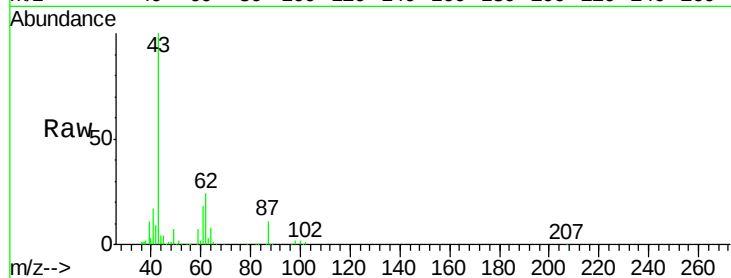
Tgt Ion: 43 Resp: 109999

Ion Ratio Lower Upper

43 100

61 27.5 22.2 33.2

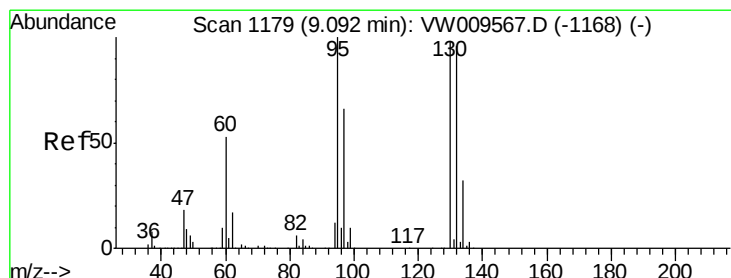
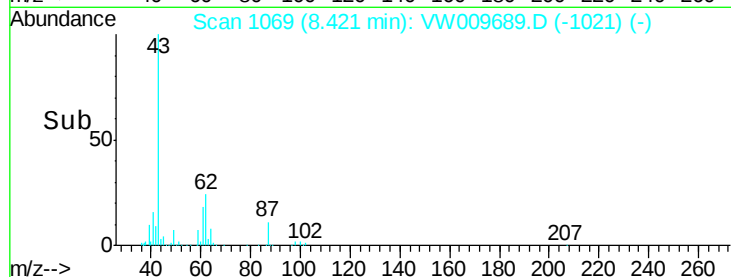
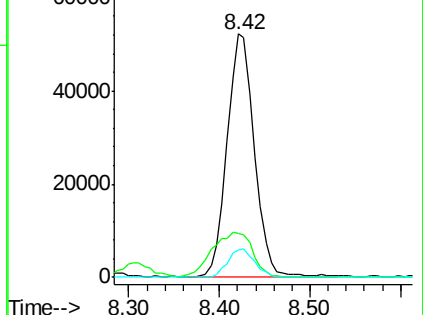
87 11.4 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.530 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009689.D

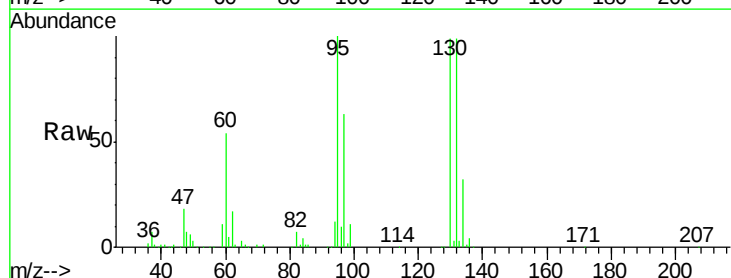
Acq: 04 Apr 2019 11:55

Tgt Ion: 130 Resp: 83940

Ion Ratio Lower Upper

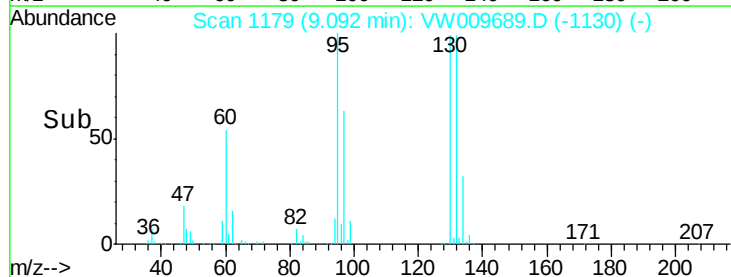
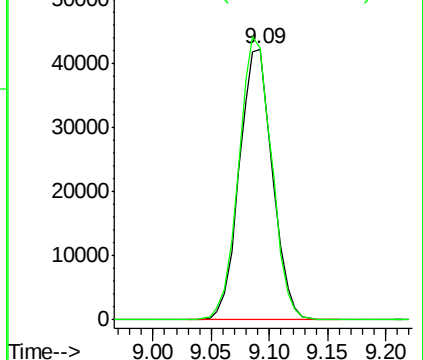
130 100

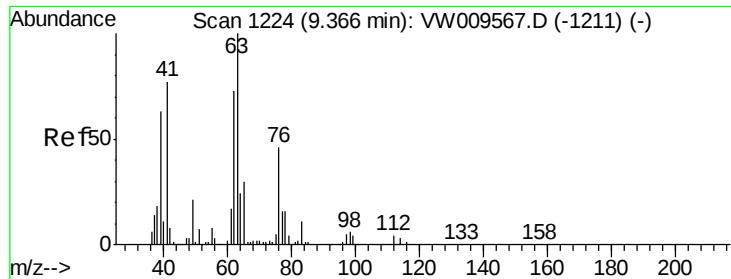
95 100.5 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.580 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

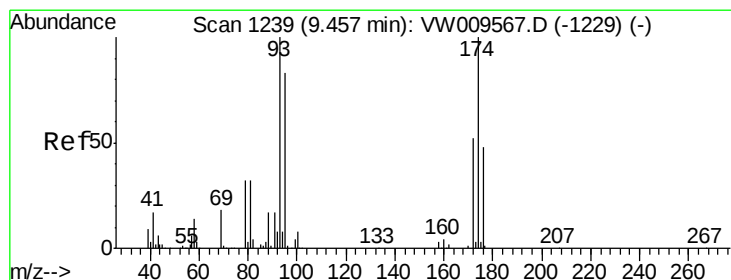
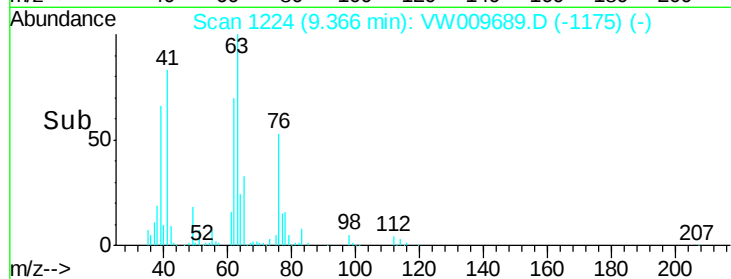
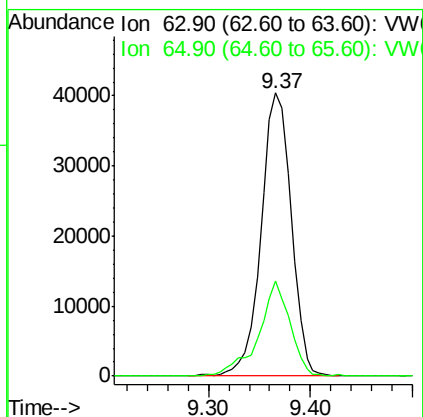
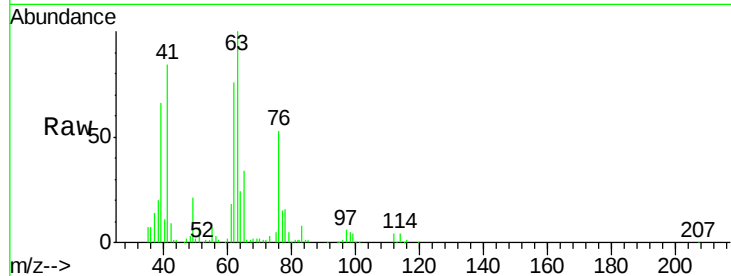
VW0404SBS01

Tgt Ion: 63 Resp: 83186

Ion Ratio Lower Upper

63 100

65 33.8 25.8 38.8



#46

Dibromomethane

Concen: 21.354 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

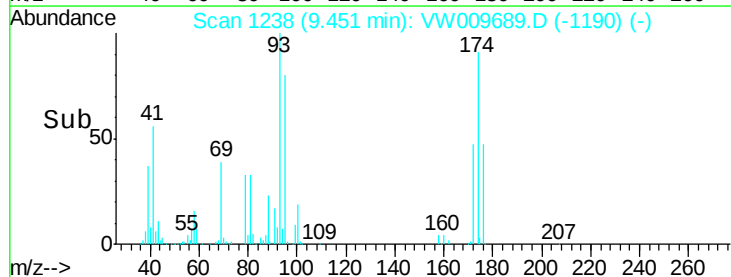
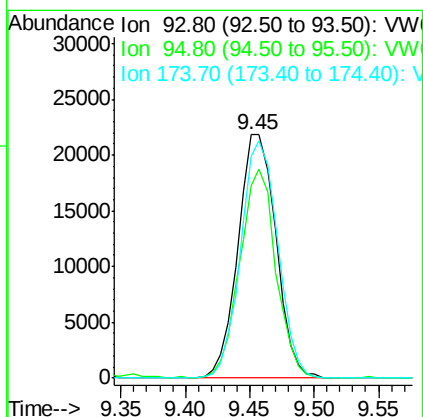
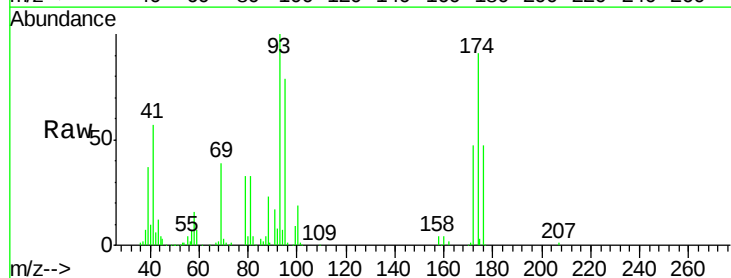
Tgt Ion: 93 Resp: 44590

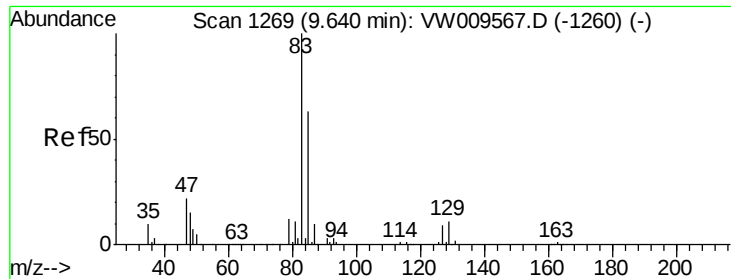
Ion Ratio Lower Upper

93 100

95 81.6 66.9 100.3

174 94.7 80.8 121.2





#47

Bromodichloromethane

Concen: 21.624 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

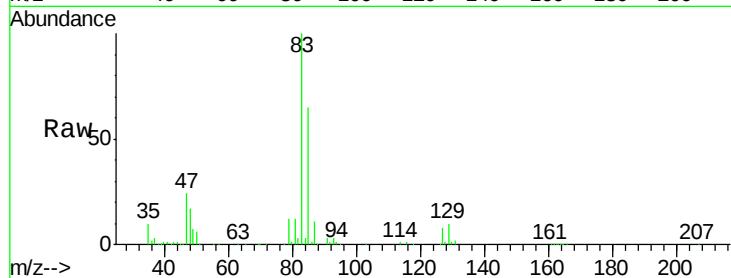
Tgt Ion: 83 Resp: 115184

Ion Ratio Lower Upper

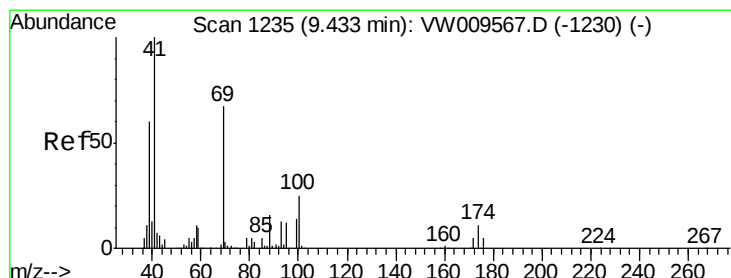
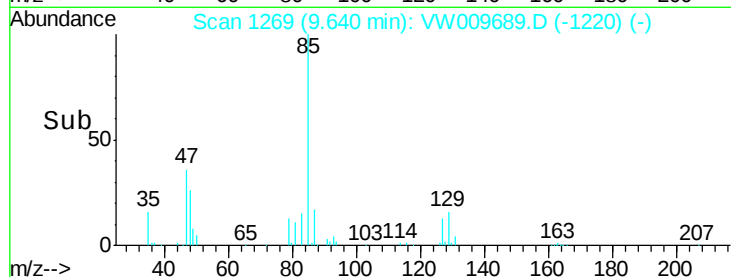
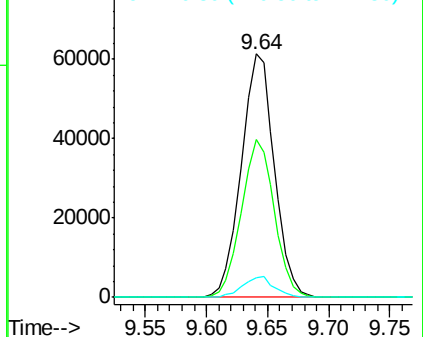
83 100

85 65.1 52.6 79.0

127 8.2 6.5 9.7



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



#48

Methyl methacrylate

Concen: 21.577 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

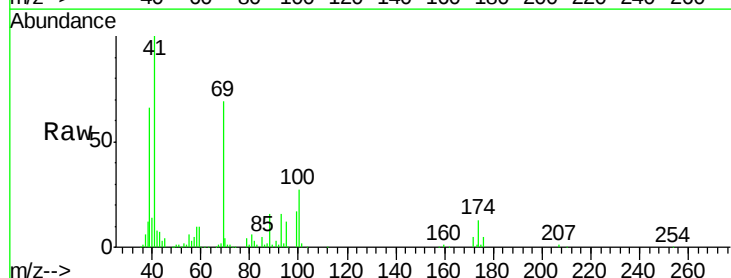
Tgt Ion: 41 Resp: 52360

Ion Ratio Lower Upper

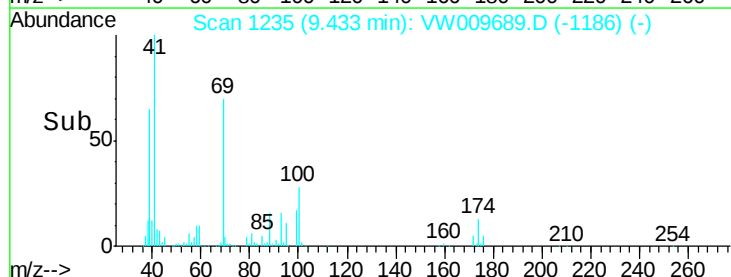
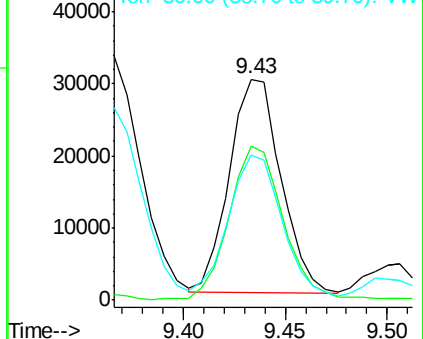
41 100

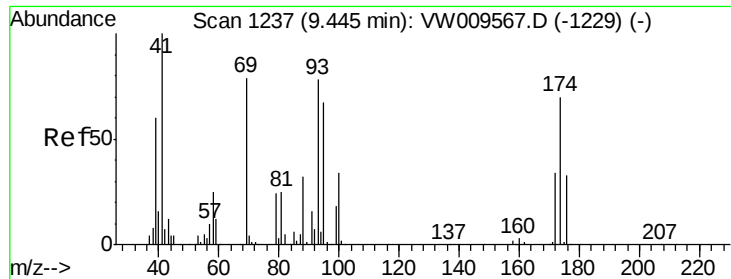
69 75.5 63.0 94.6

39 71.0 57.2 85.8



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

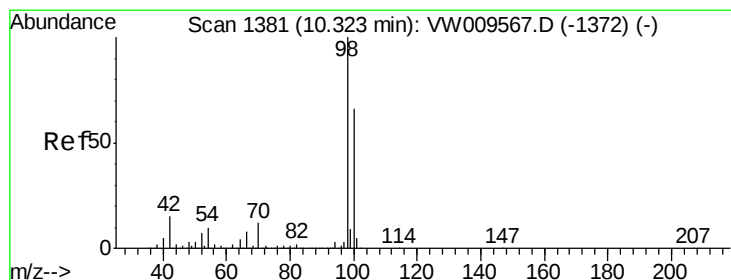
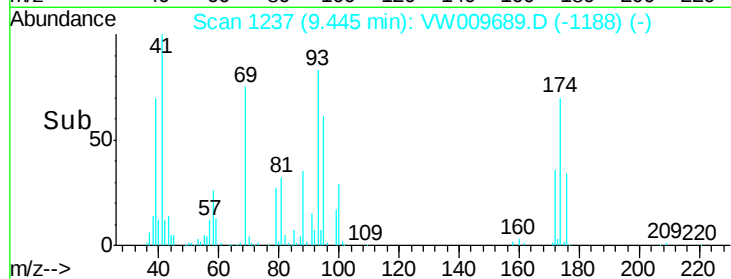
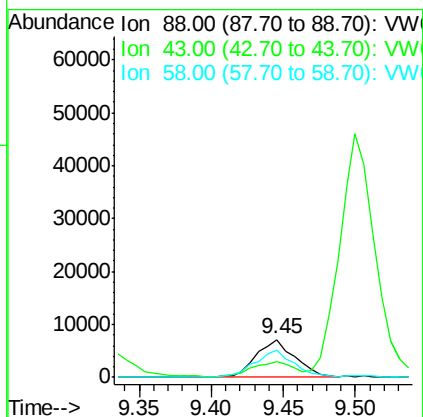
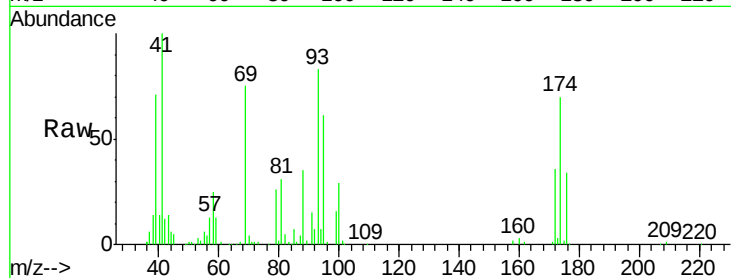




#49
1,4-Dioxane
Concen: 432.389 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

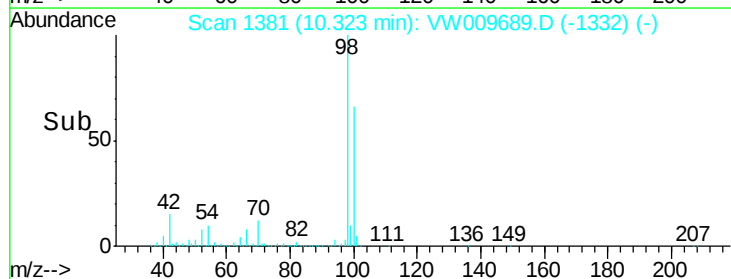
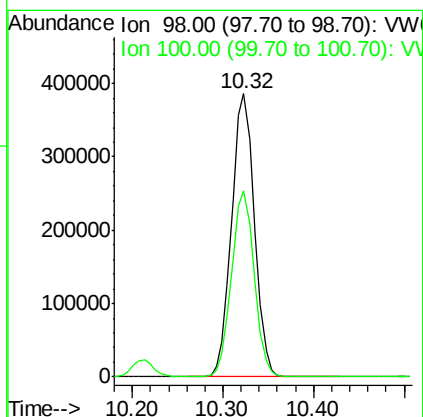
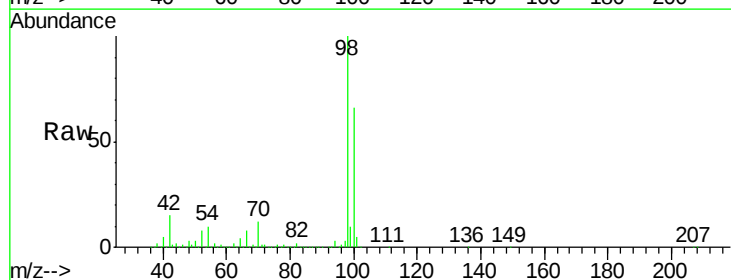
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

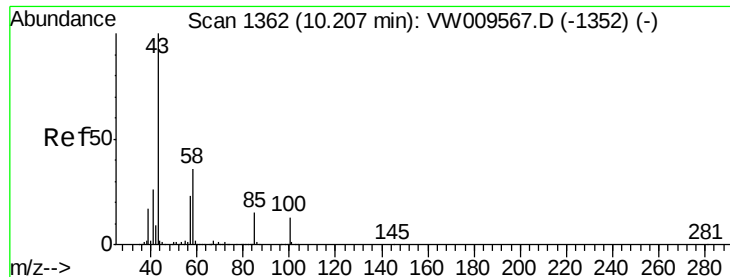
Tgt Ion: 88 Resp: 13446
Ion Ratio Lower Upper
88 100
43 42.1 29.7 44.5
58 72.7 58.1 87.1



#50
Toluene-d8
Concen: 54.035 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 98 Resp: 674279
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0

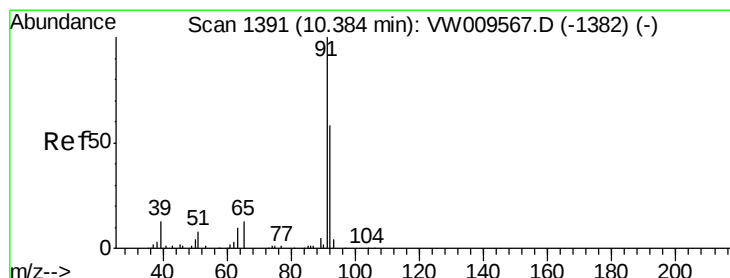
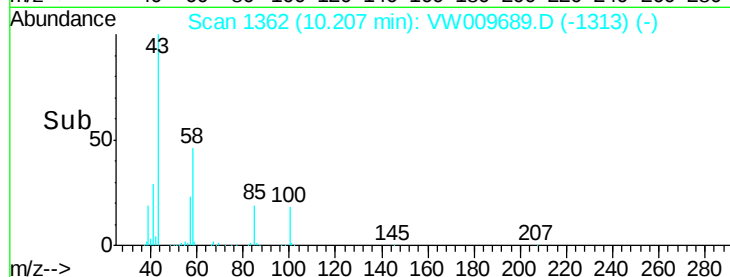
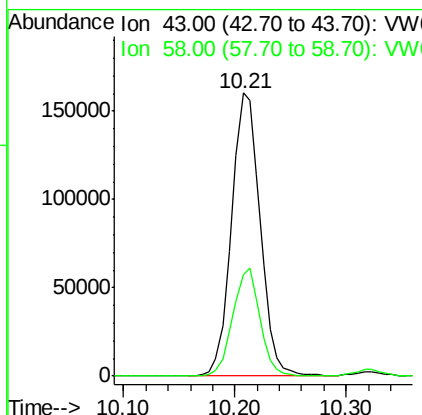
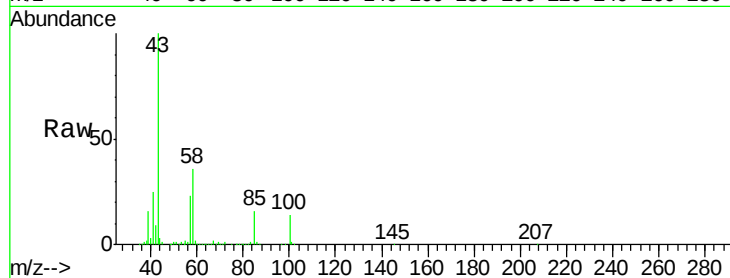




#51
 4-Methyl-2-Pentanone
 Concen: 102.835 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

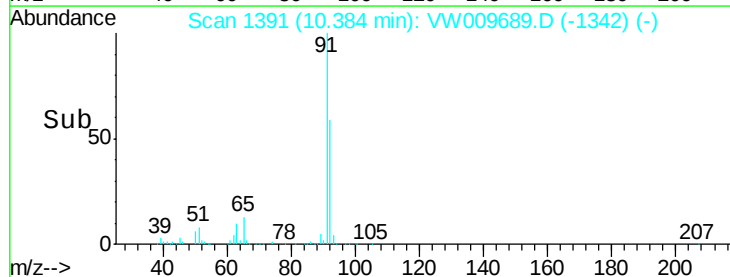
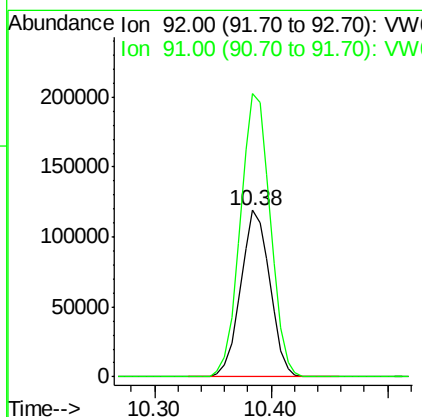
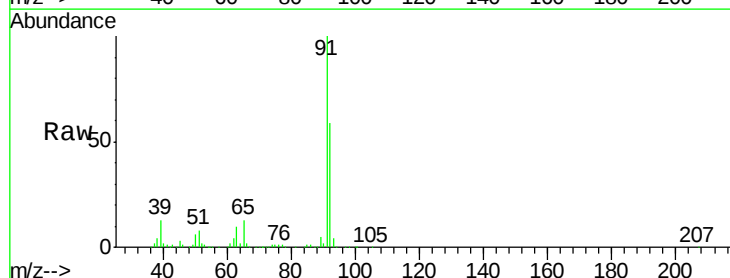
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

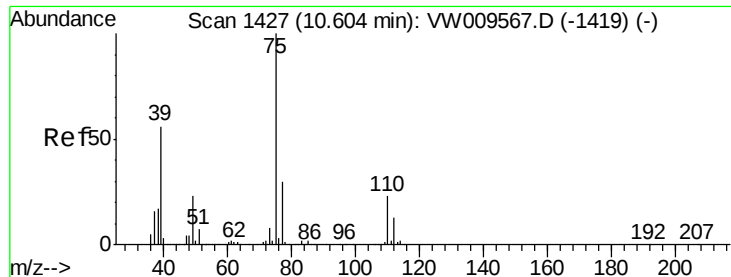
Tgt Ion: 43 Resp: 284823
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.6 42.8



#52
 Toluene
 Concen: 22.085 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 92 Resp: 208282
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 21.402 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

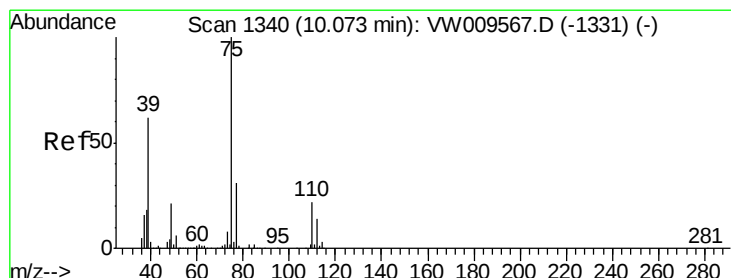
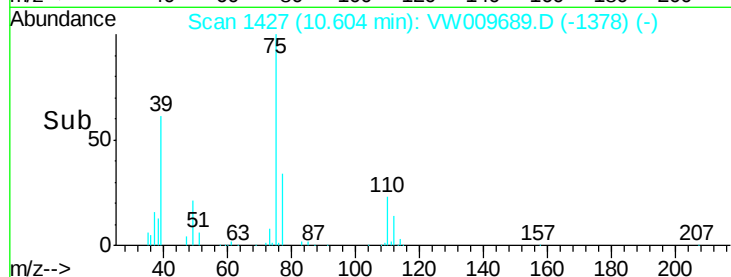
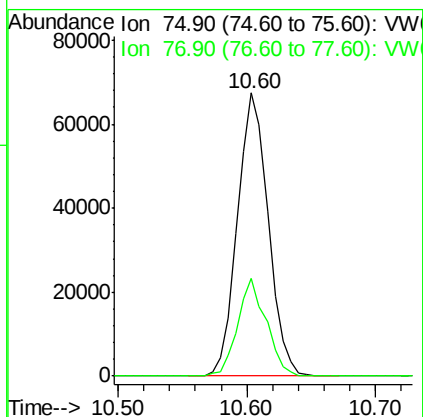
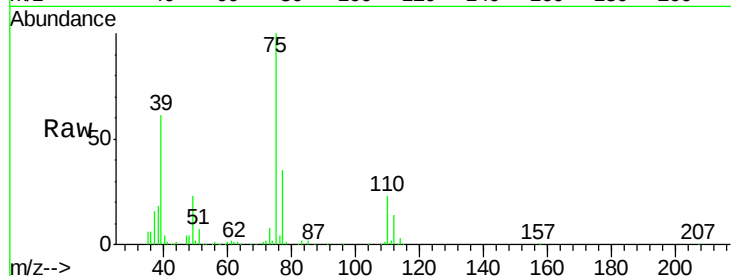
VW0404SBS01

Tgt Ion: 75 Resp: 111625

Ion Ratio Lower Upper

75 100

77 34.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 22.060 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

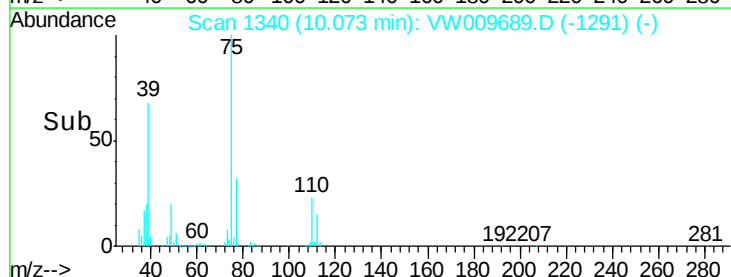
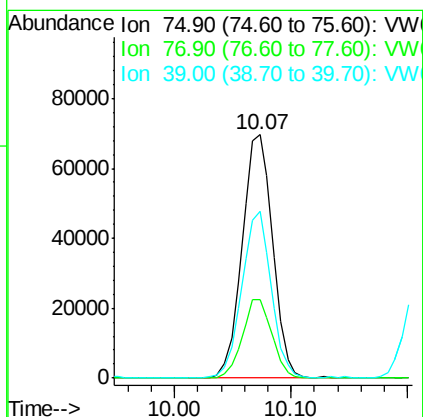
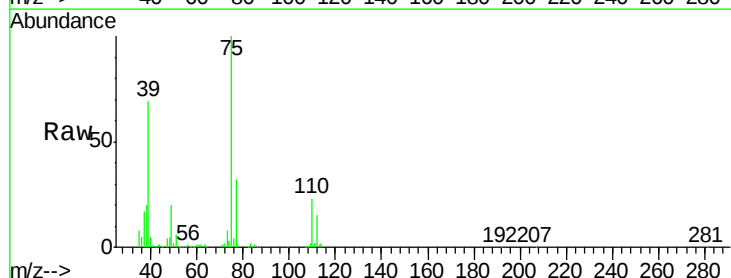
Tgt Ion: 75 Resp: 127571

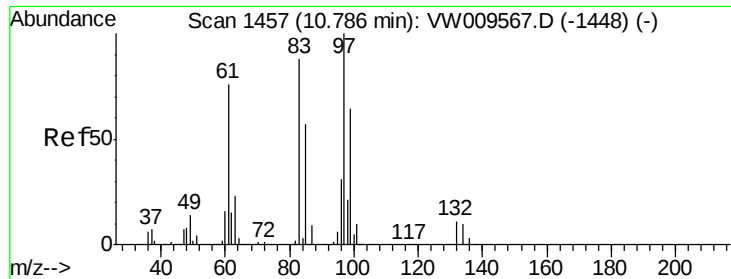
Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9

39 68.4 46.8 70.2

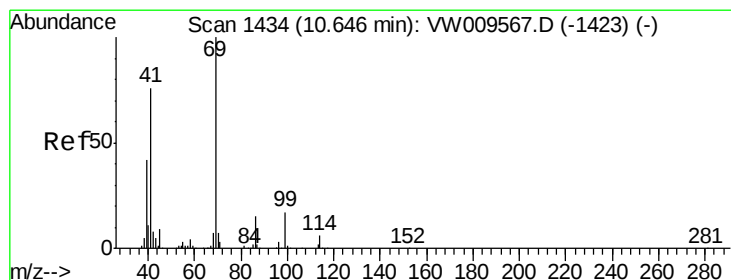
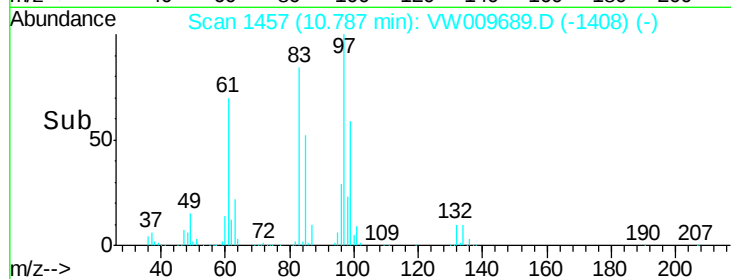
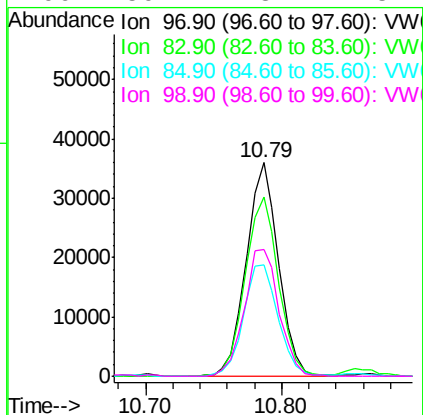
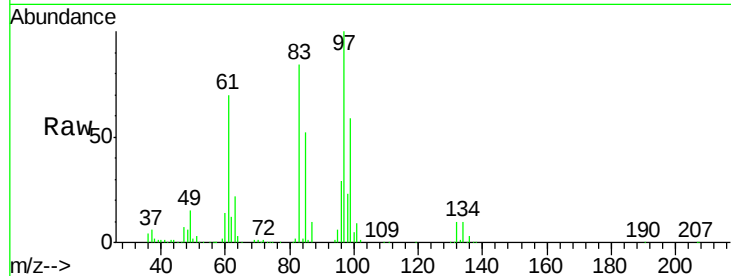




#55
 1,1,2-Trichloroethane
 Concen: 21.216 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

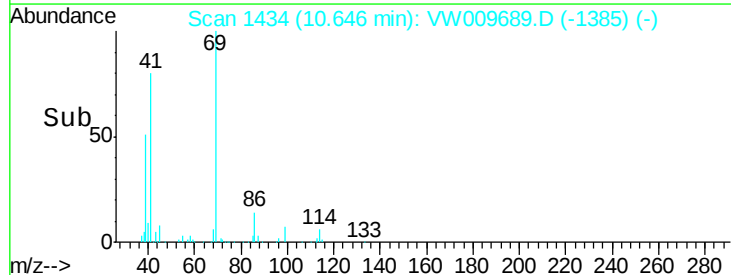
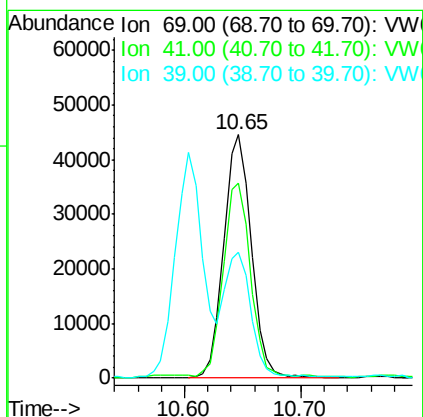
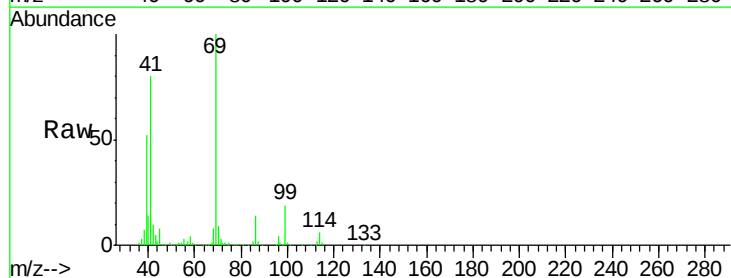
Instrument :
 MSVOA_W
 ClientSampled :
 VW0404SBS01

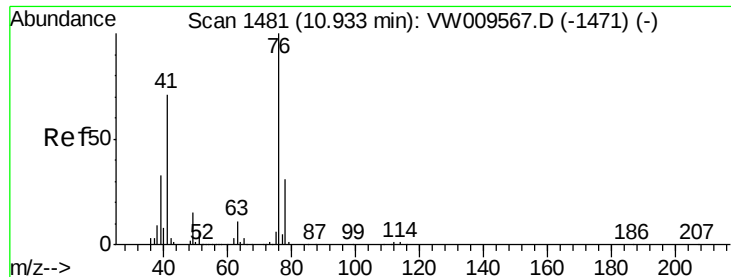
Tgt Ion:	97	Resp:	59884
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.3	99.5
85	52.4	41.4	62.2
99	59.1	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 21.193 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion:	69	Resp:	73592
Ion	Ratio	Lower	Upper
69	100		
41	78.3	59.3	88.9
39	48.3	36.2	54.2

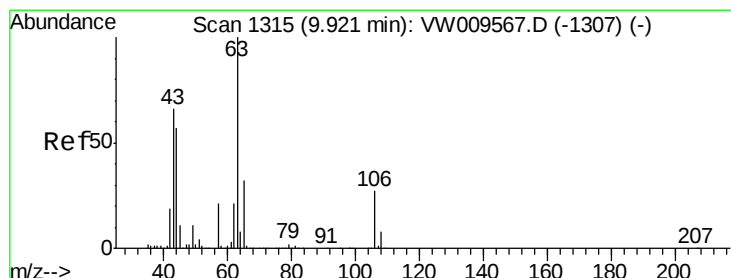
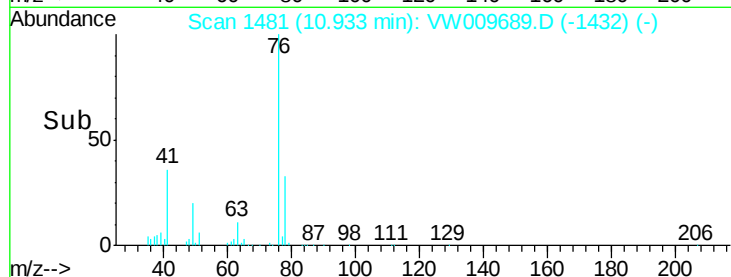
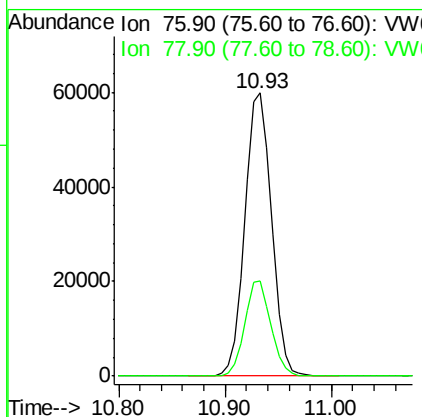
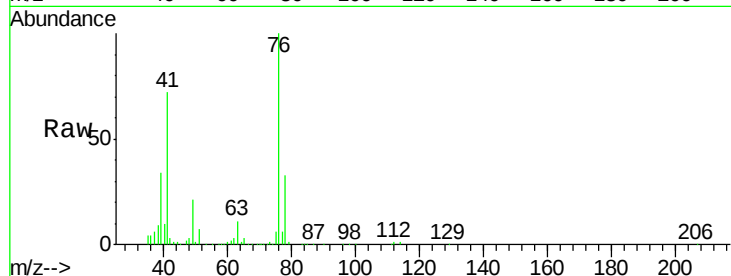




#57
 1,3-Dichloropropane
 Concen: 21.090 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

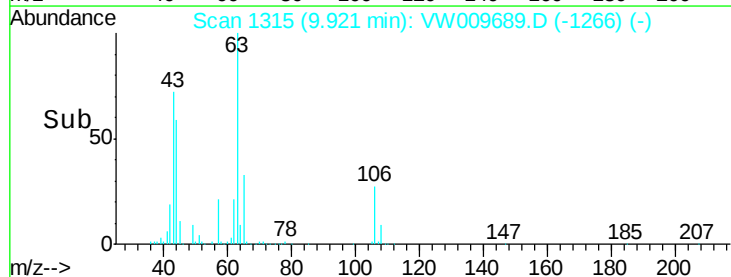
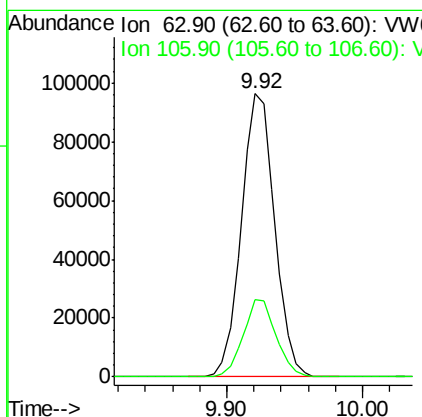
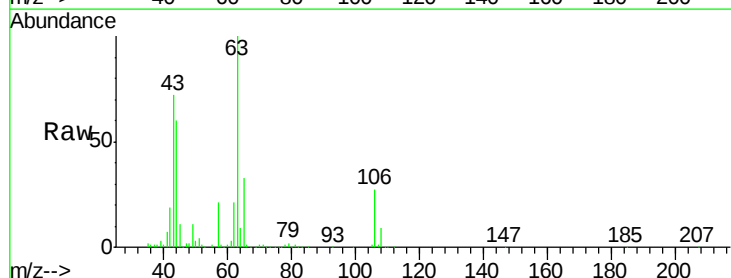
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

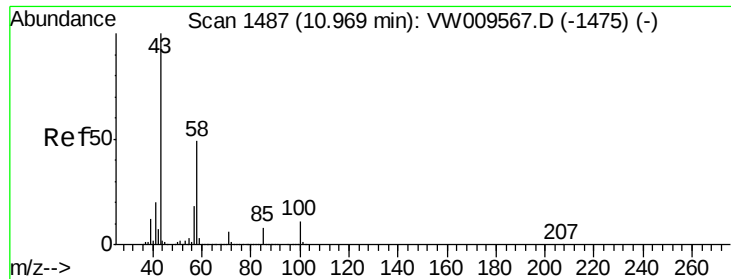
Tgt Ion: 76 Resp: 105516
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.377 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 63 Resp: 164447
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.9 34.3

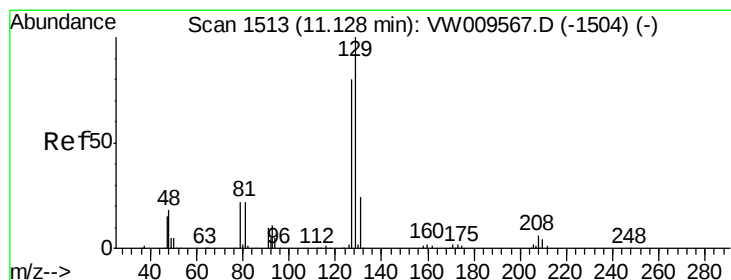
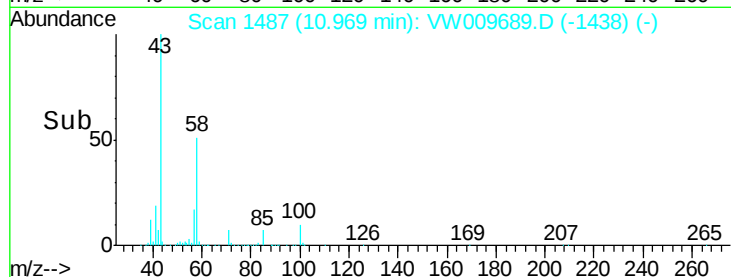
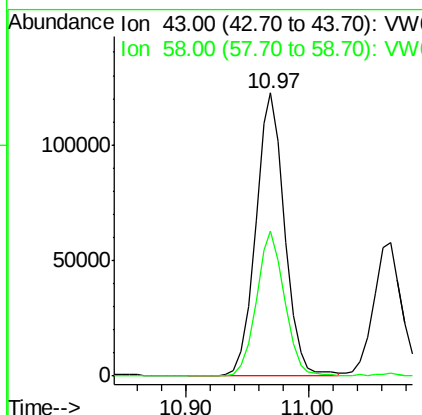
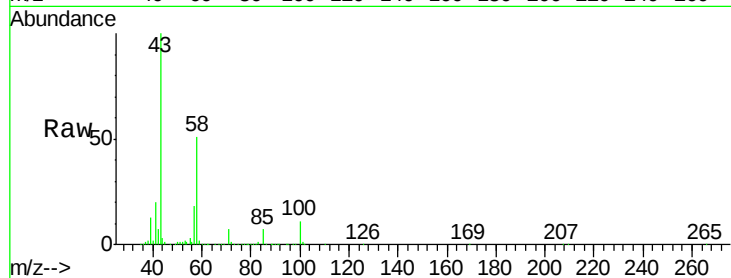




#59
2-Hexanone
Concen: 104.730 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

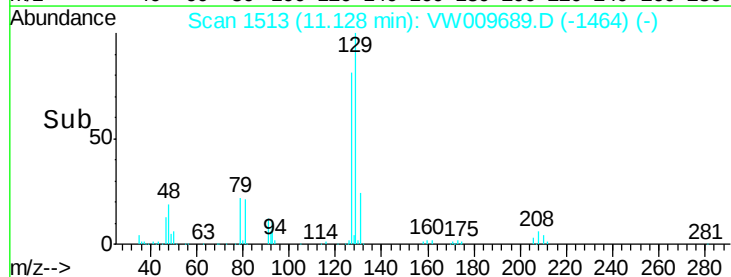
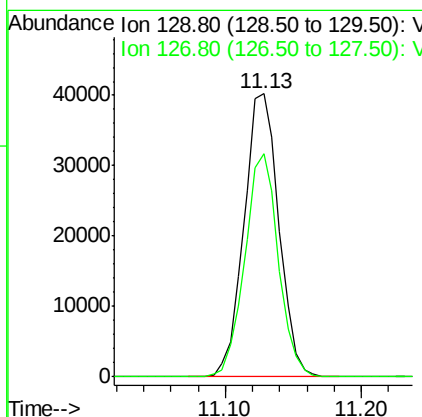
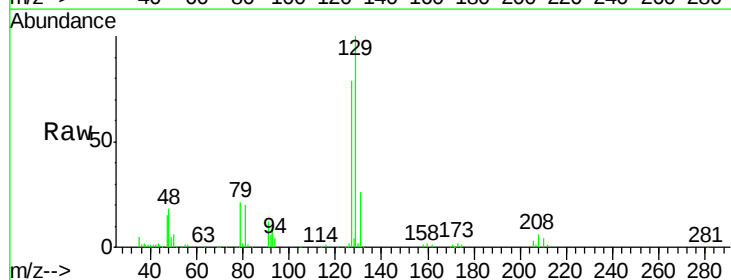
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

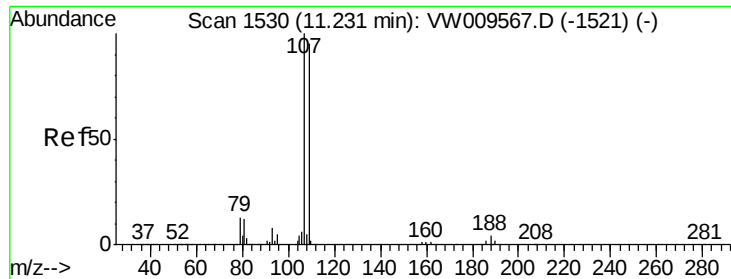
Tgt Ion: 43 Resp: 200750
Ion Ratio Lower Upper
43 100
58 49.8 24.2 72.6



#60
Dibromochloromethane
Concen: 21.193 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 129 Resp: 72229
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.5

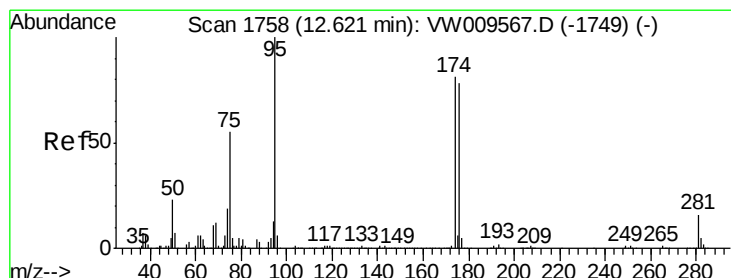
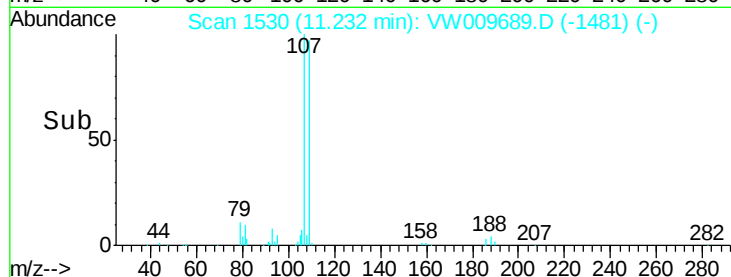
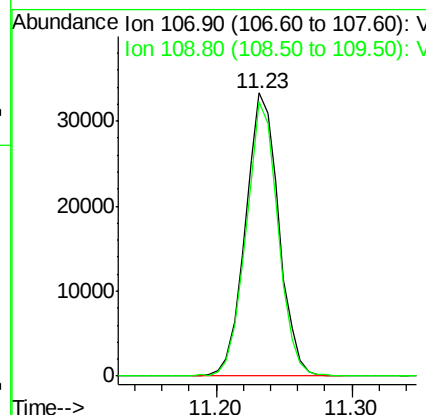
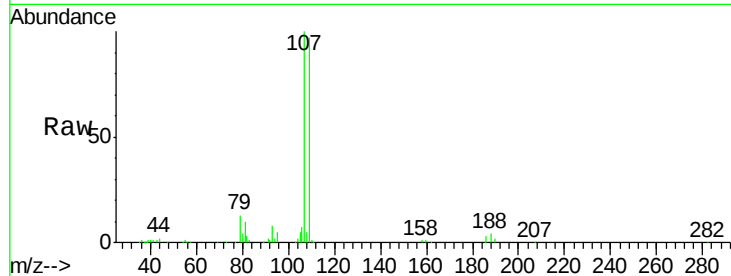




#61
 1,2-Dibromoethane
 Concen: 21.049 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

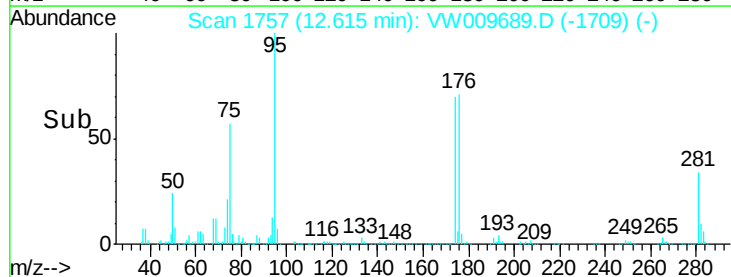
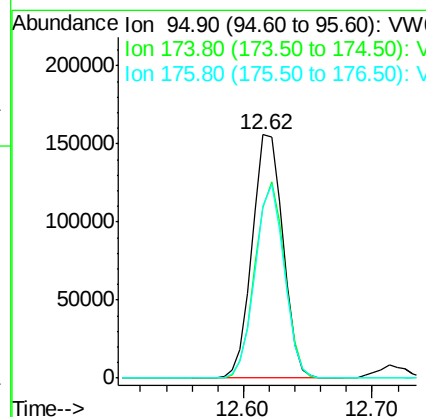
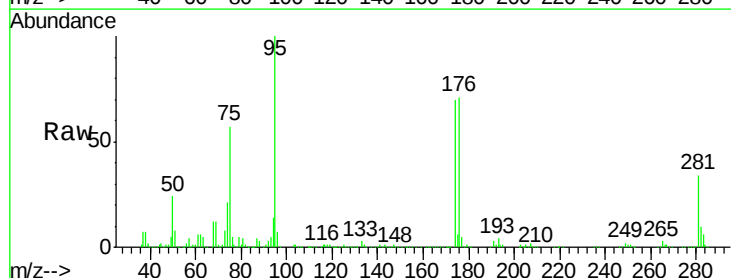
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

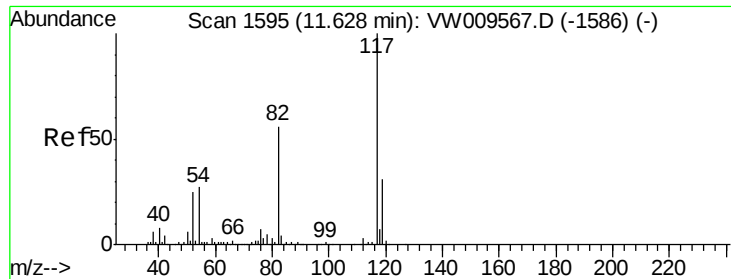
Tgt Ion: 107 Resp: 56973
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 54.994 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 95 Resp: 256009
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 168.4
 176 75.6 0.0 161.6

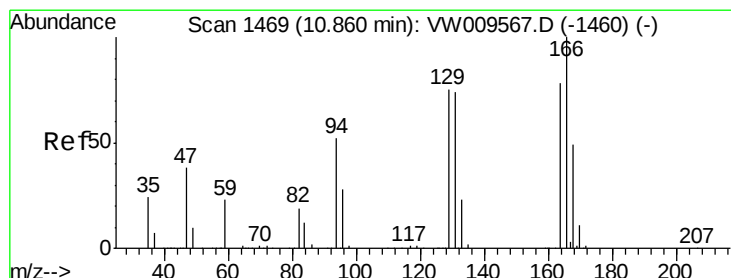
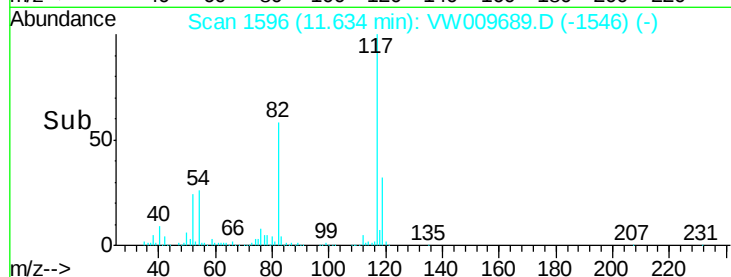
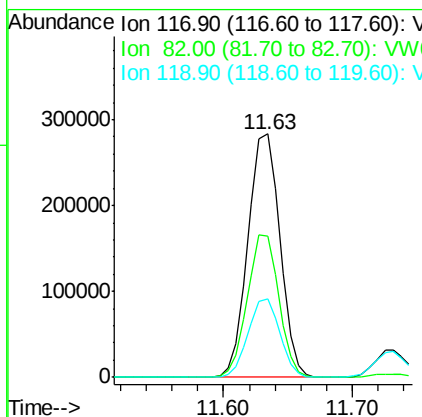
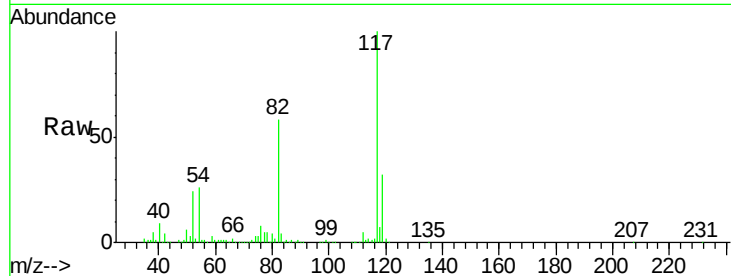




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

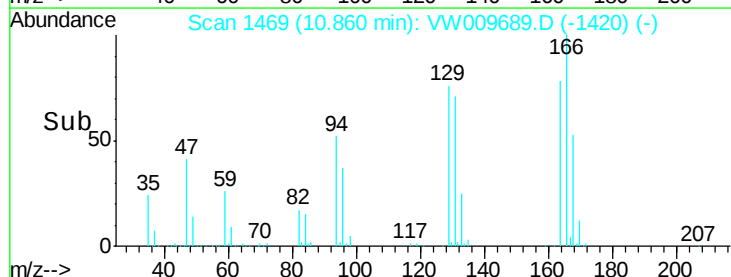
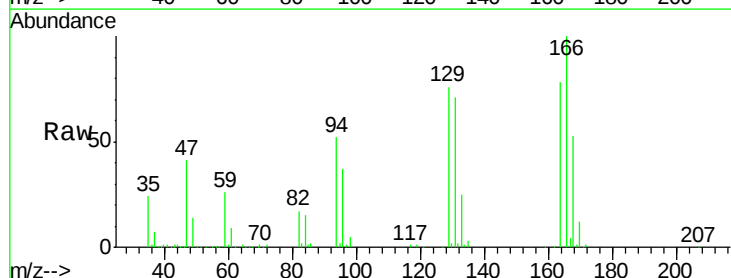
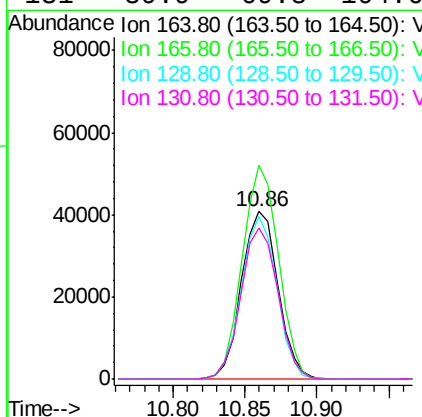
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

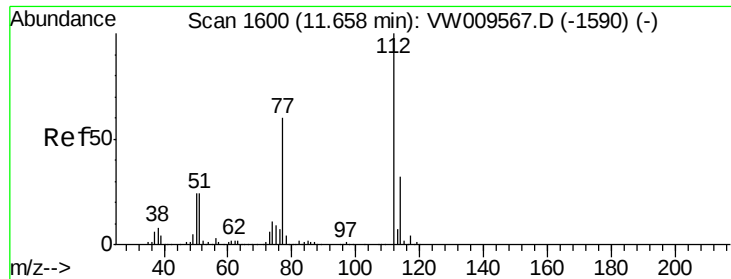
Tgt Ion:117 Resp: 486240
Ion Ratio Lower Upper
117 100
82 58.2 43.6 65.4
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 21.727 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion:164 Resp: 71729
Ion Ratio Lower Upper
164 100
166 127.5 100.9 151.3
129 96.8 72.0 108.0
131 89.9 69.8 104.6

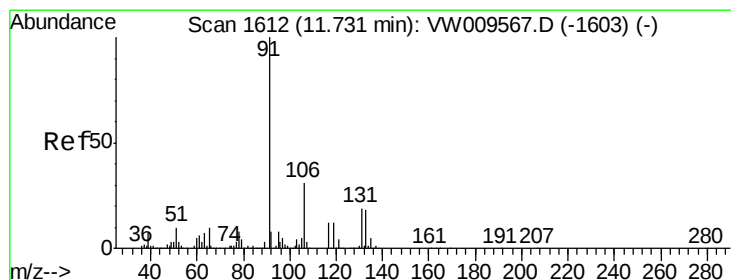
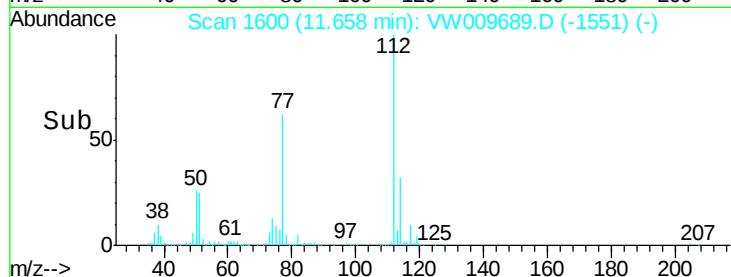
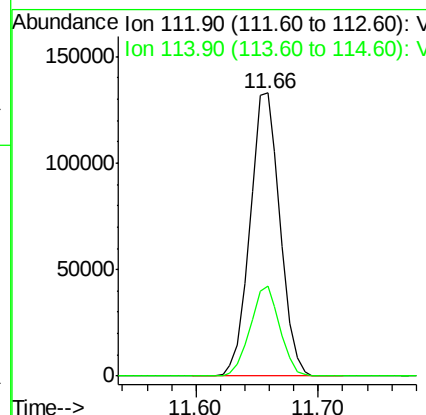
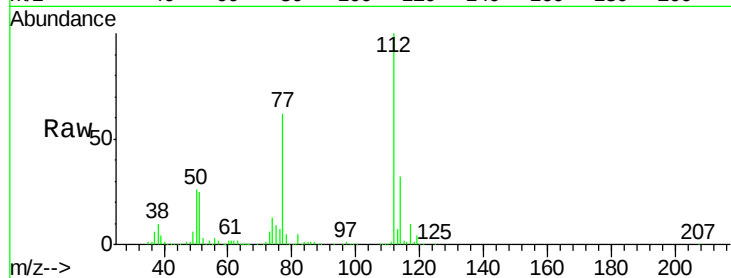




#65
Chlorobenzene
Concen: 22.093 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

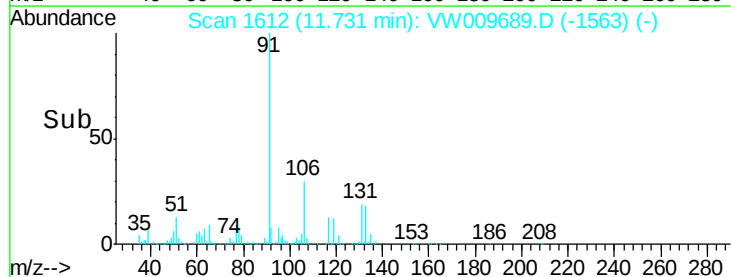
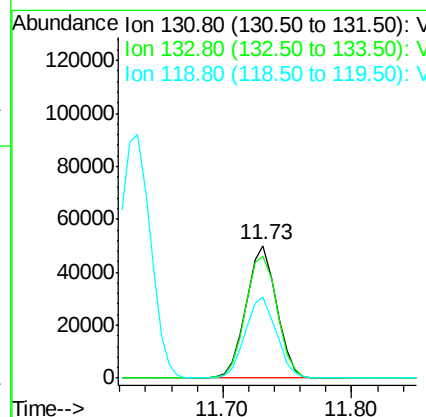
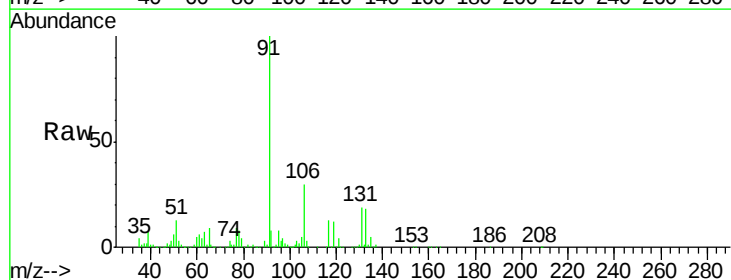
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

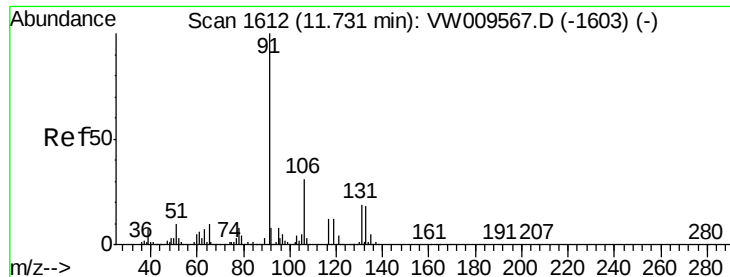
Tgt Ion:112 Resp: 226247
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.888 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion:131 Resp: 81672
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.8
119 62.7 31.6 95.0

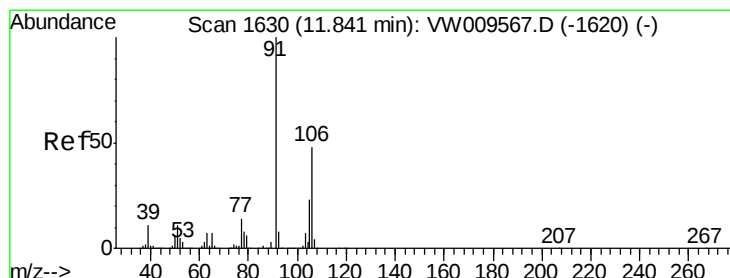
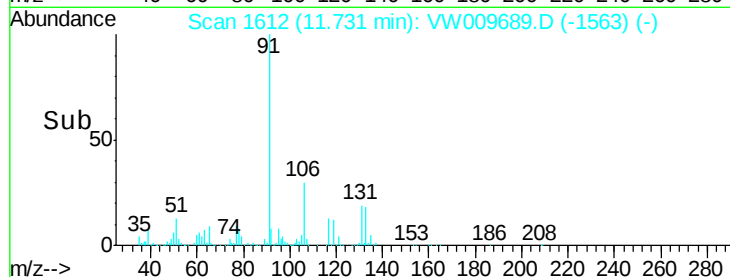
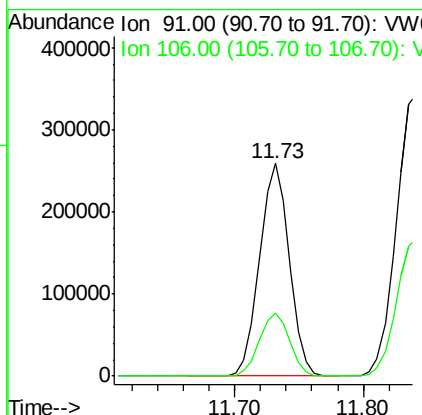
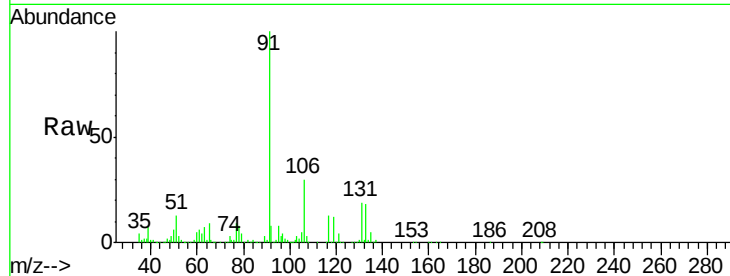




#67
Ethyl Benzene
Concen: 22.789 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

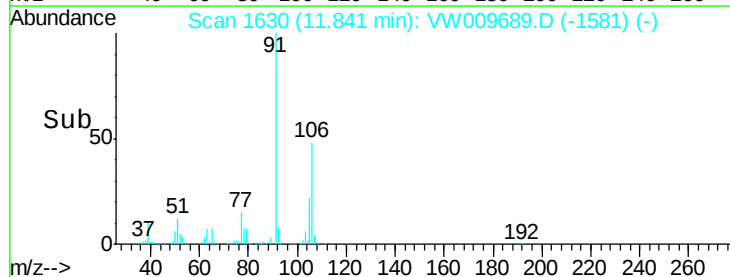
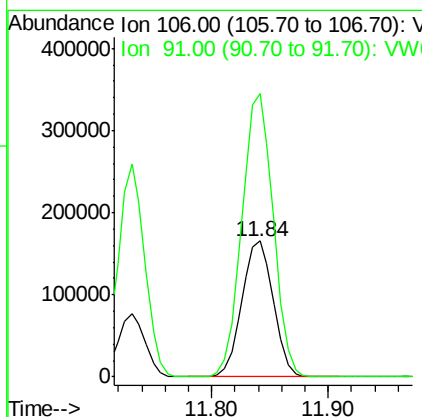
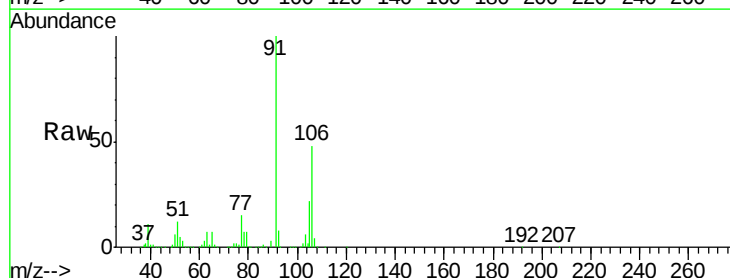
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

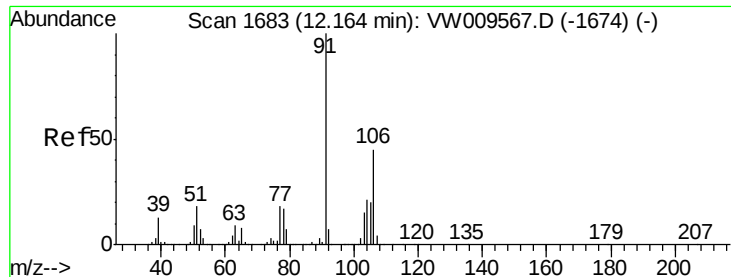
Tgt Ion: 91 Resp: 411169
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8



#68
m/p-Xylenes
Concen: 45.420 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion: 106 Resp: 311168
Ion Ratio Lower Upper
106 100
91 207.7 163.1 244.7

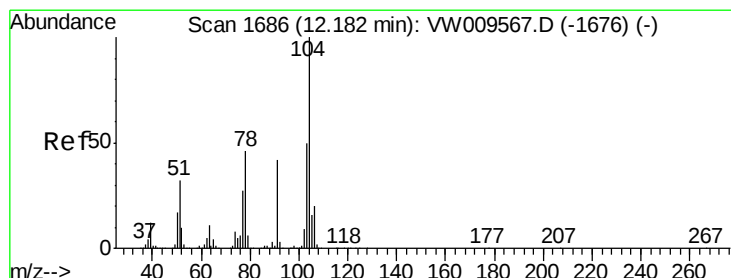
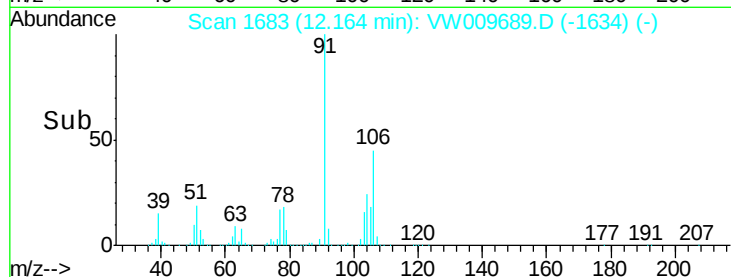
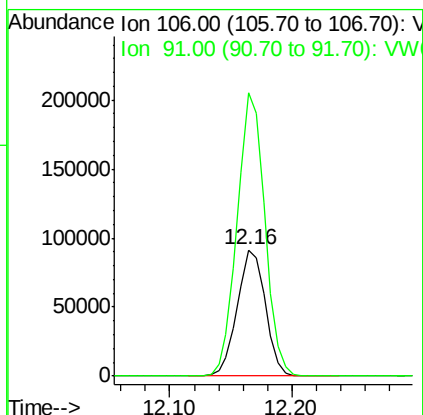
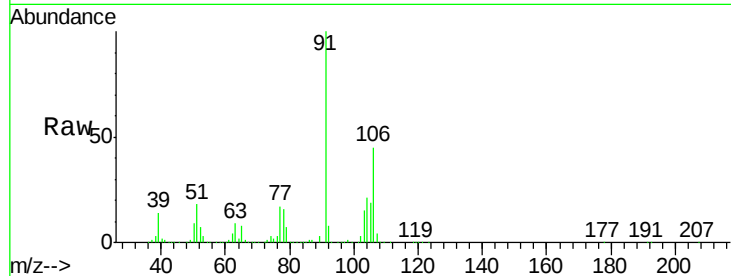




#69
o-Xylene
Concen: 22.813 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

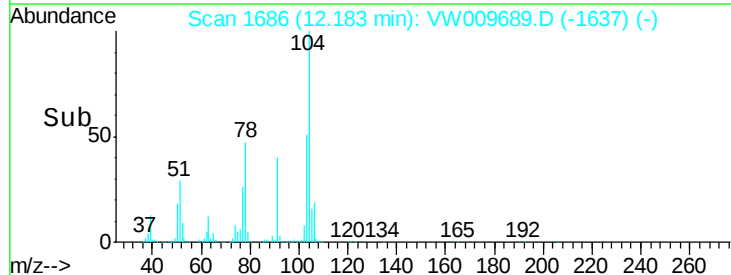
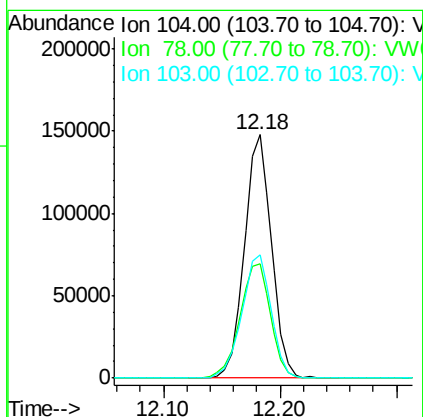
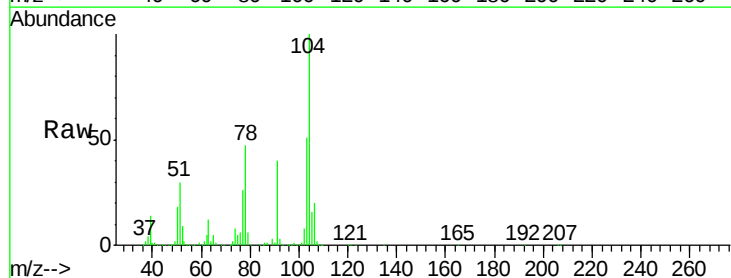
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

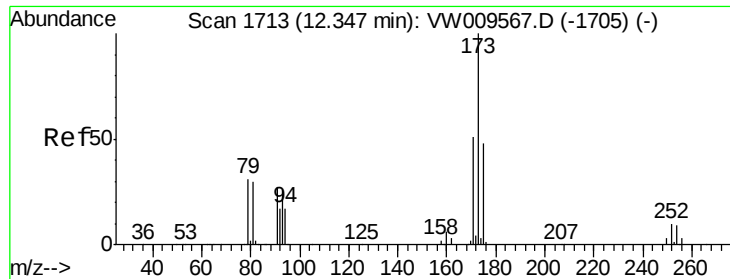
Tgt Ion:106 Resp: 145546
Ion Ratio Lower Upper
106 100
91 220.4 108.6 325.8



#70
Styrene
Concen: 22.477 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion:104 Resp: 239526
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.4
103 54.9 44.6 66.8





#71

Bromoform

Concen: 20.439 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

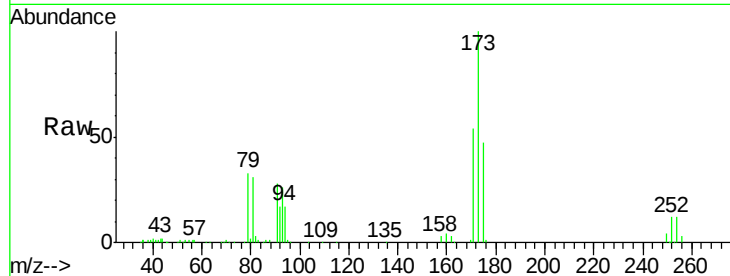
Tgt Ion:173 Resp: 41041

Ion Ratio Lower Upper

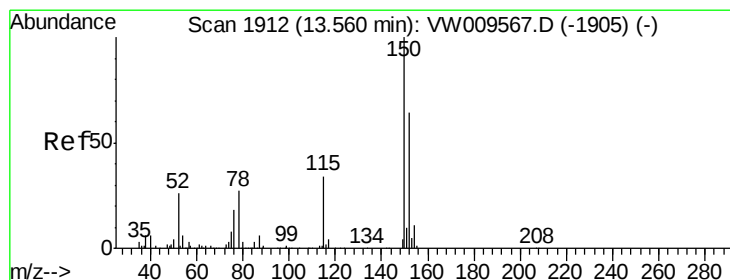
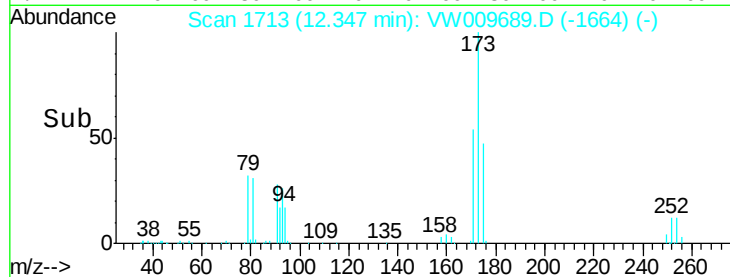
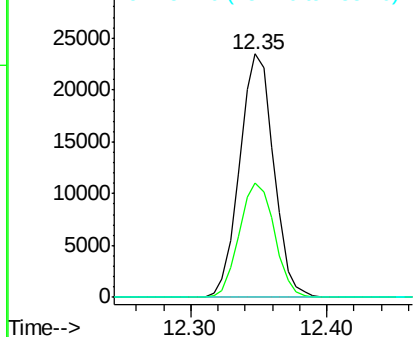
173 100

175 48.7 24.1 72.4

254 0.1 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

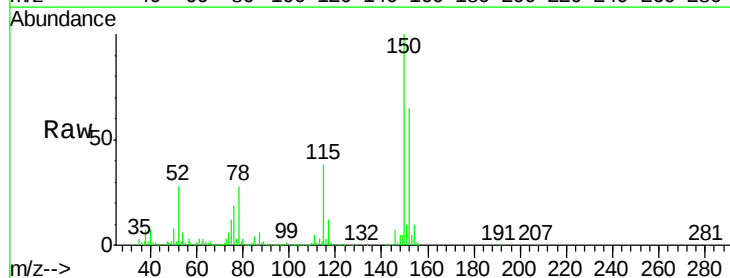
Tgt Ion:152 Resp: 258526

Ion Ratio Lower Upper

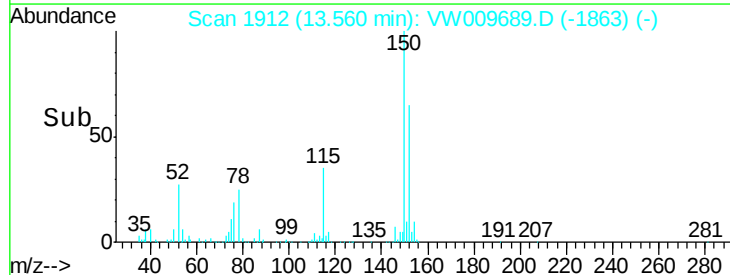
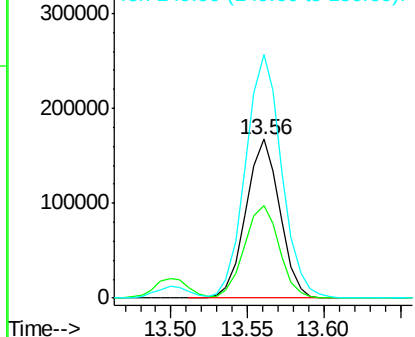
152 100

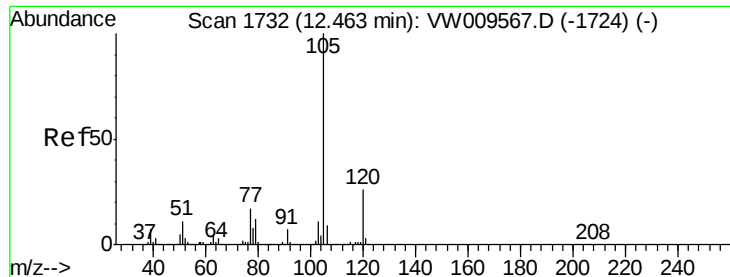
115 59.7 29.6 88.8

150 163.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 23.211 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

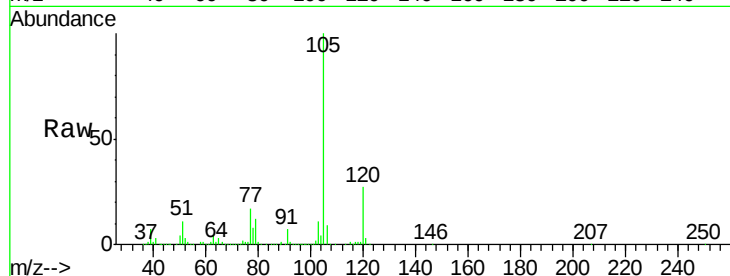
VW0404SBS01

Tgt Ion: 105 Resp: 417591

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

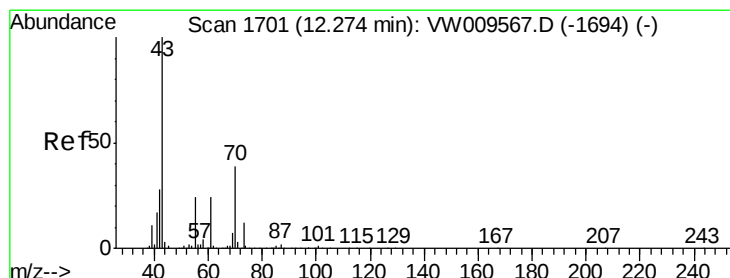
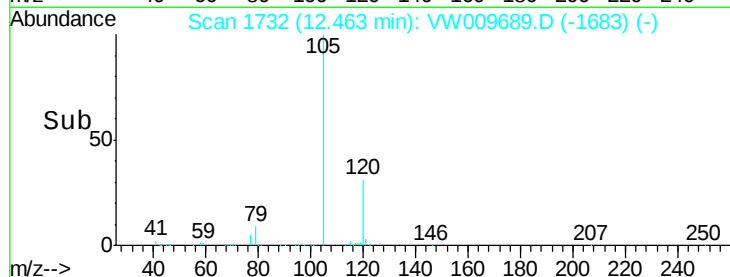
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.070 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Tgt Ion: 43 Resp: 104680

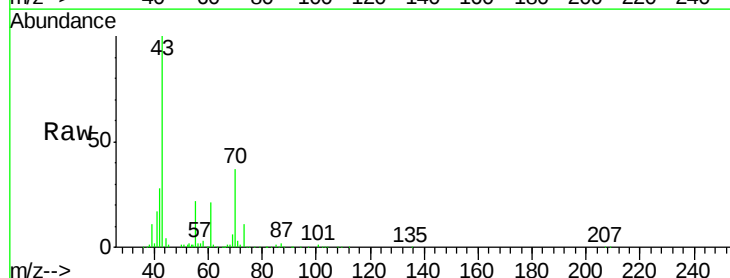
Ion Ratio Lower Upper

43 100

70 37.0 30.6 46.0

55 23.7 19.3 28.9

61 20.9 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

100000

80000

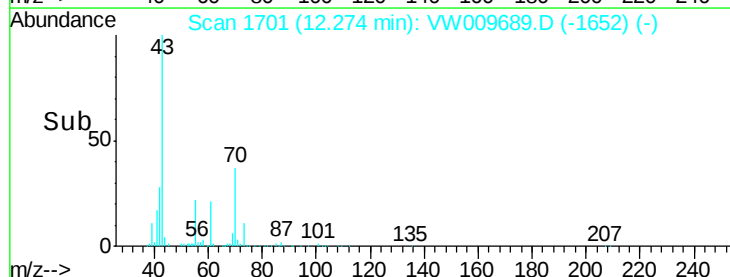
60000

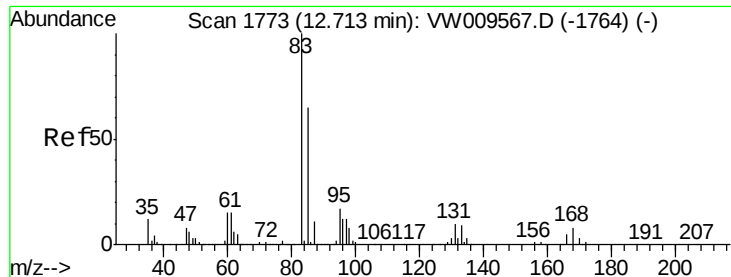
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.925 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

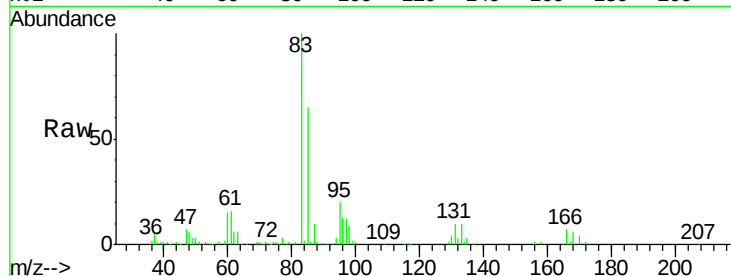
Tgt Ion: 83 Resp: 71195

Ion Ratio Lower Upper

83 100

131 11.6 5.3 16.1

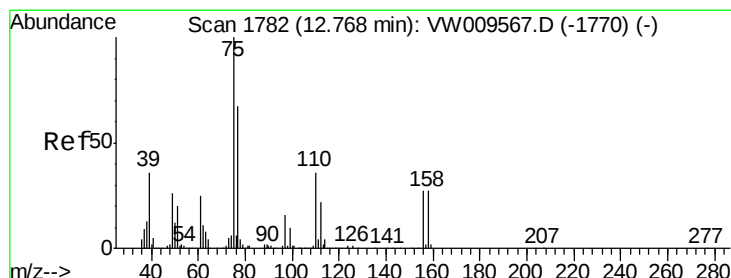
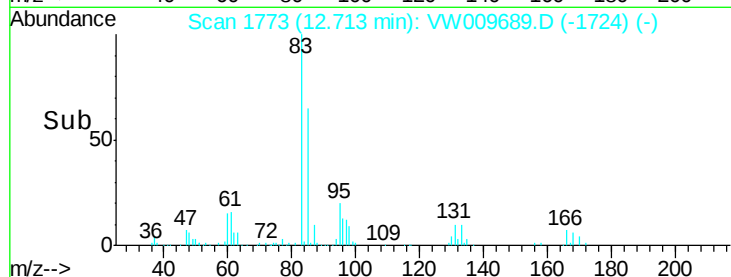
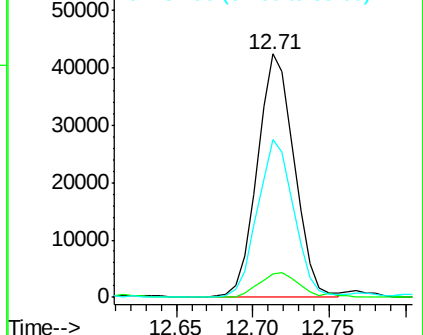
85 64.5 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.690 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009689.D

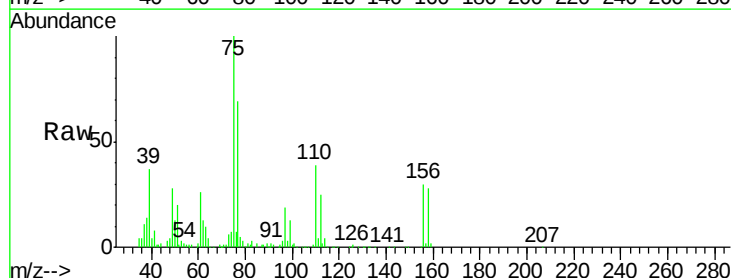
Acq: 04 Apr 2019 11:55

Tgt Ion: 75 Resp: 98923

Ion Ratio Lower Upper

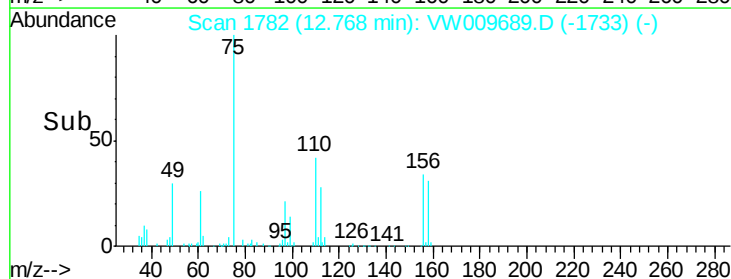
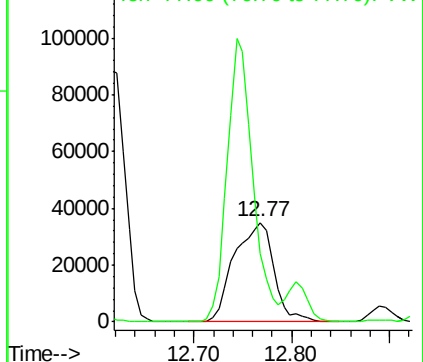
75 100

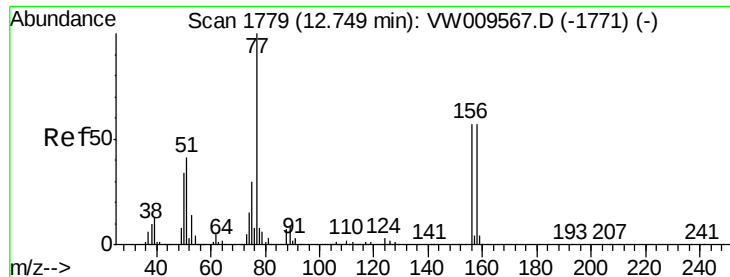
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.969 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

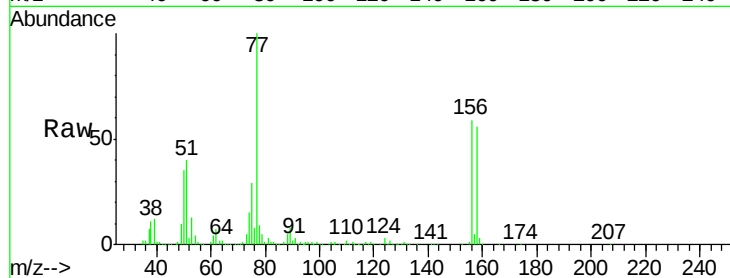
Tgt Ion:156 Resp: 91023

Ion Ratio Lower Upper

156 100

77 200.9 96.0 288.0

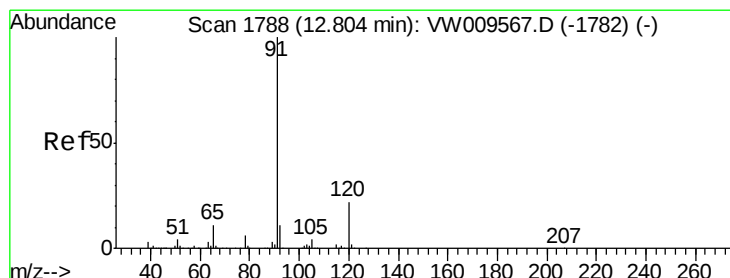
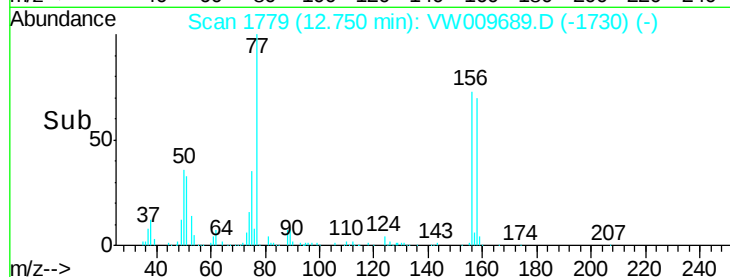
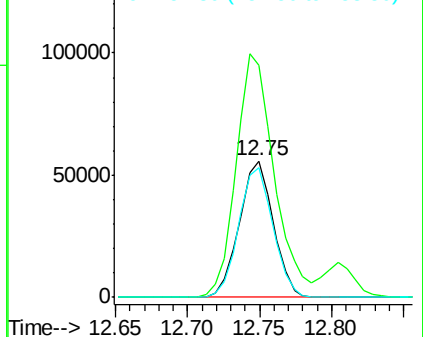
158 96.5 49.1 147.3



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: 23.123 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009689.D

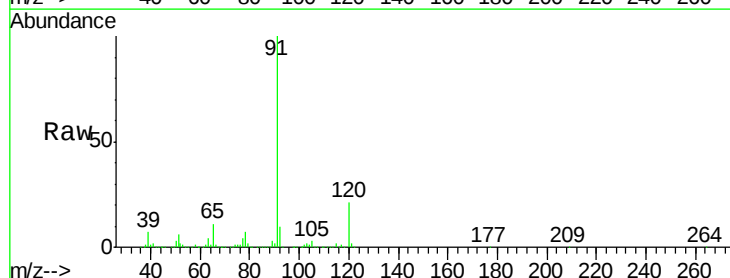
Acq: 04 Apr 2019 11:55

Tgt Ion: 91 Resp: 512996

Ion Ratio Lower Upper

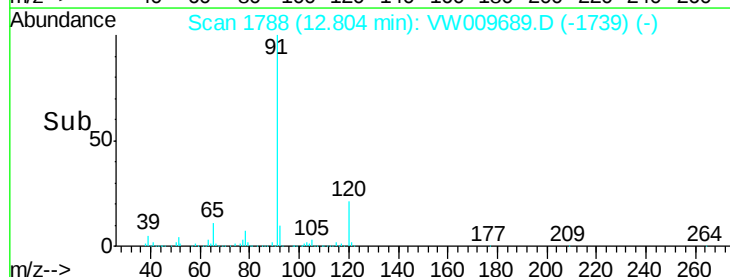
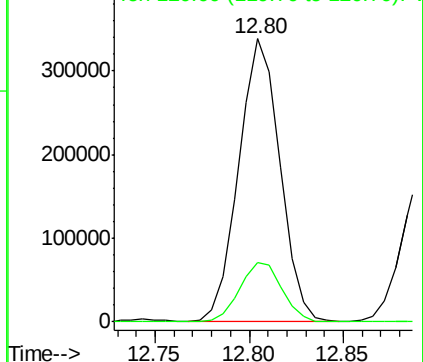
91 100

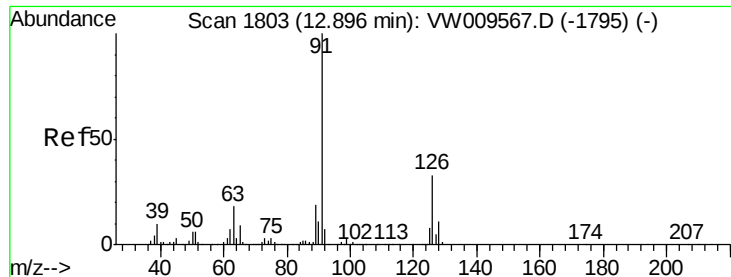
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

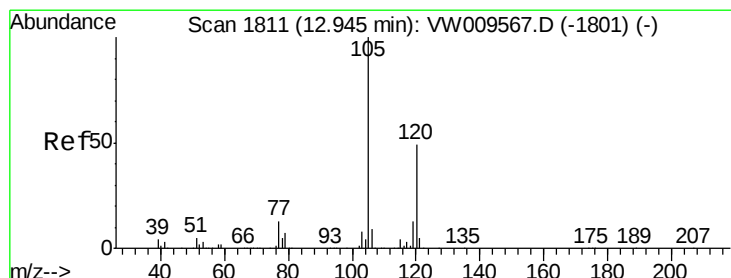
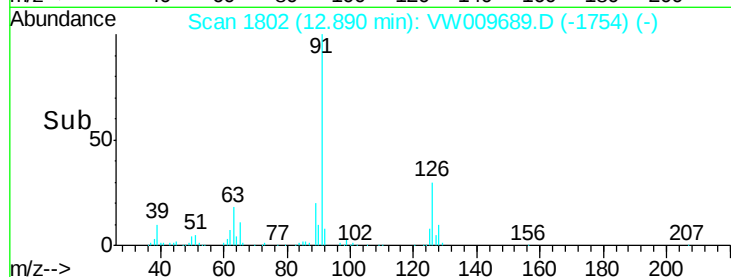
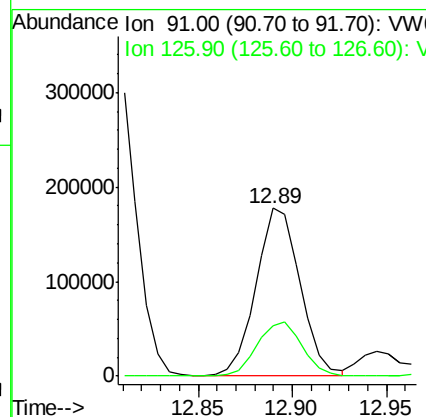
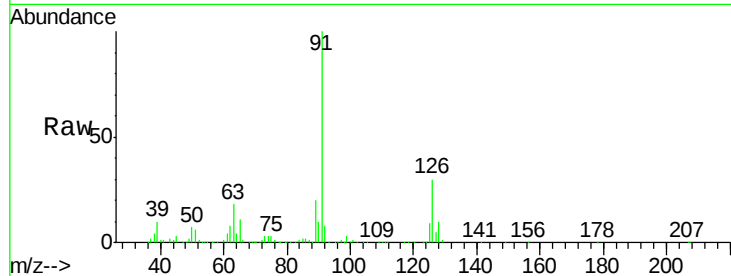




#79
 2-Chlorotoluene
 Concen: 22.766 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

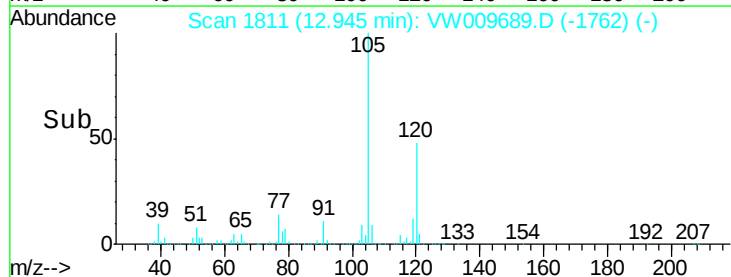
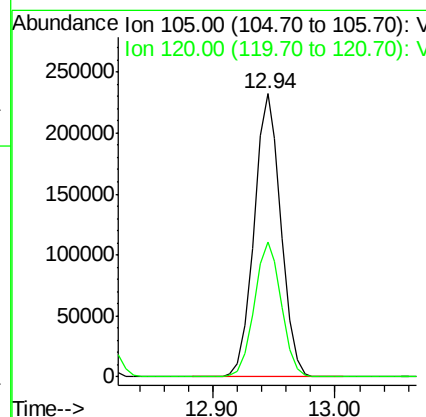
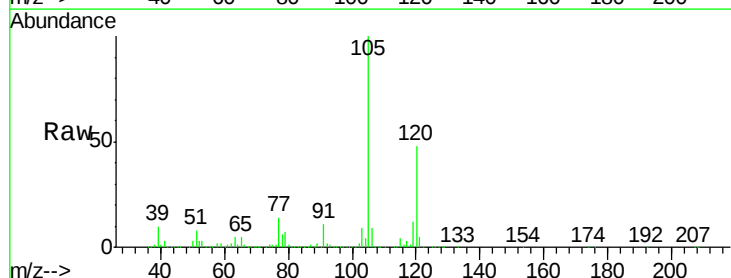
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

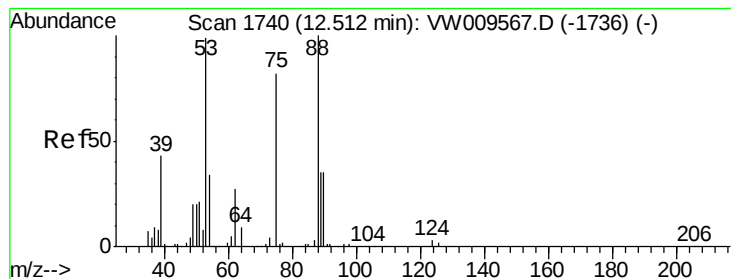
Tgt Ion: 91 Resp: 287030
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 23.252 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion: 105 Resp: 352309
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.277 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

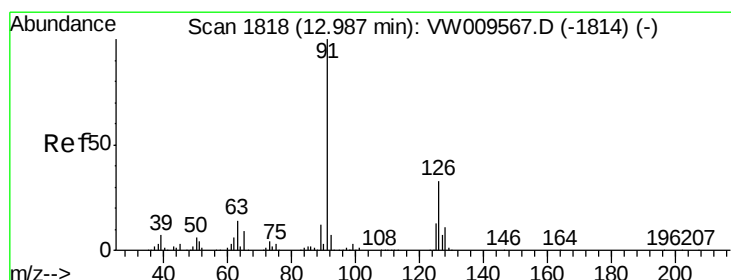
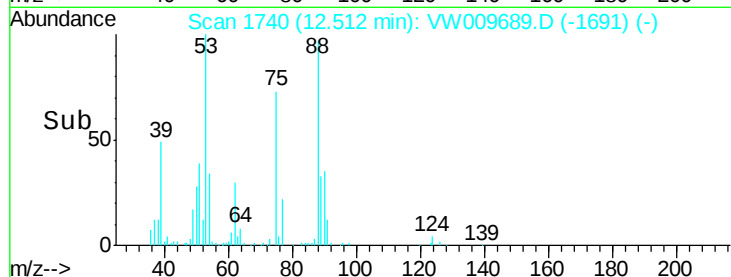
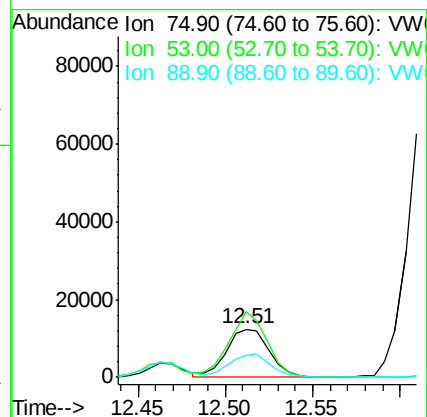
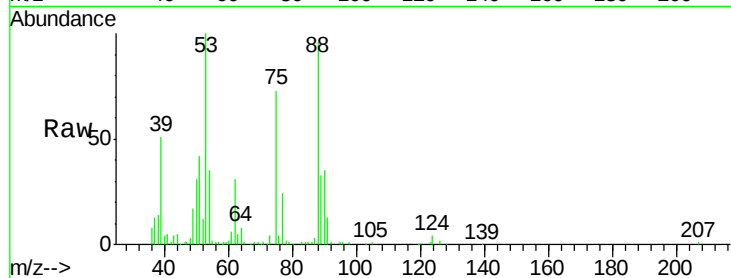
Tgt Ion: 75 Resp: 21198

Ion Ratio Lower Upper

75 100

53 121.5 86.7 130.1

89 46.8 36.4 54.6



#82

4-Chlorotoluene

Concen: 22.817 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009689.D

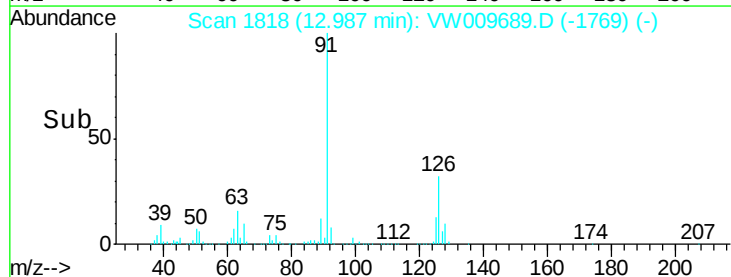
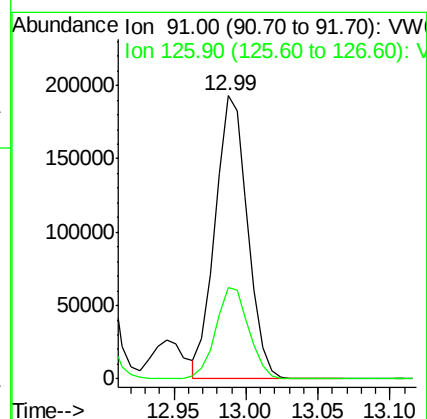
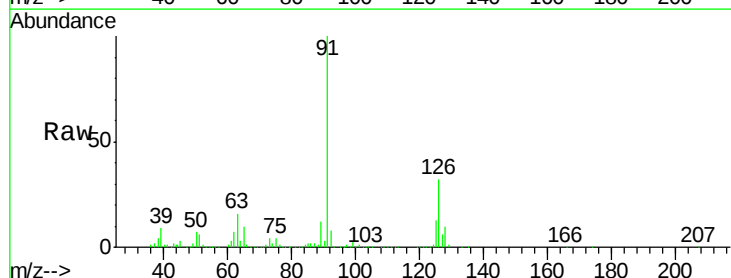
Acq: 04 Apr 2019 11:55

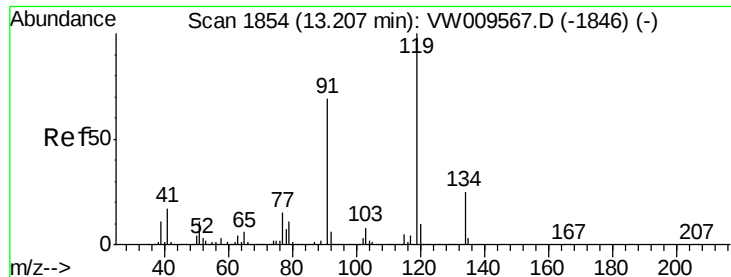
Tgt Ion: 91 Resp: 302750

Ion Ratio Lower Upper

91 100

126 33.0 16.9 50.6

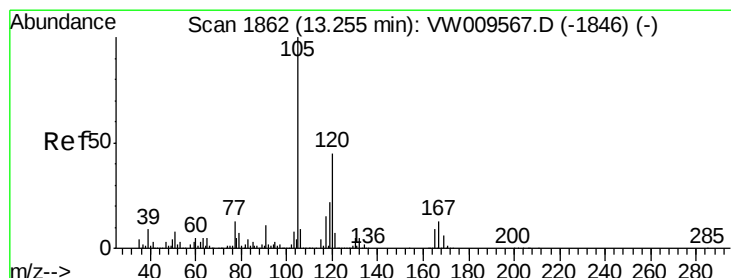
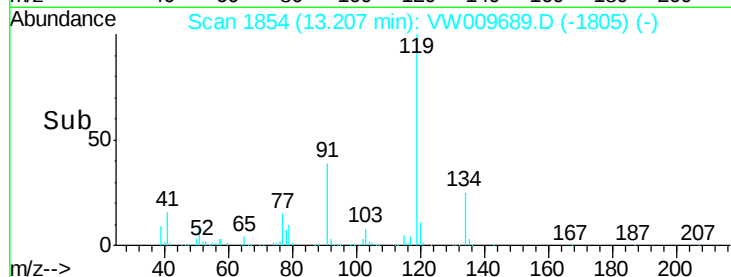
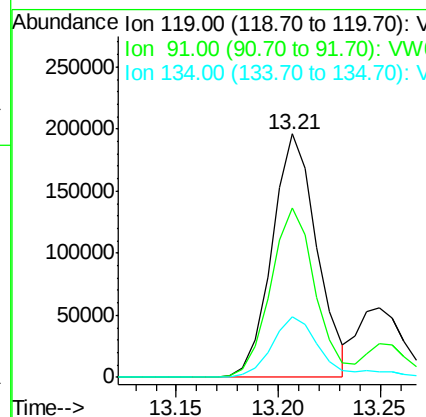
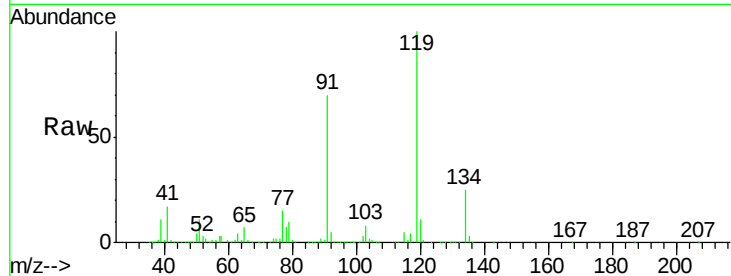




#83
tert-Butylbenzene
Concen: 23.284 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

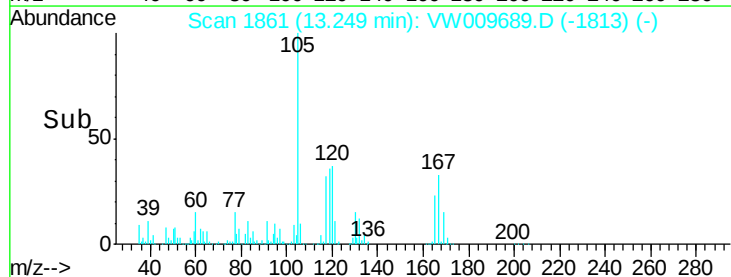
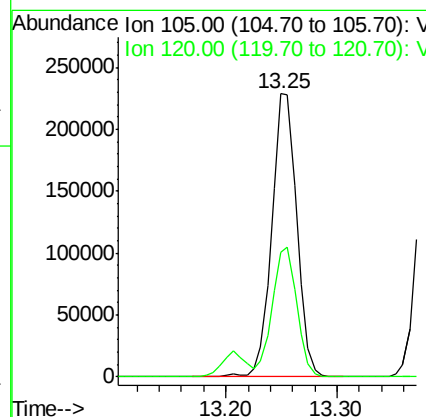
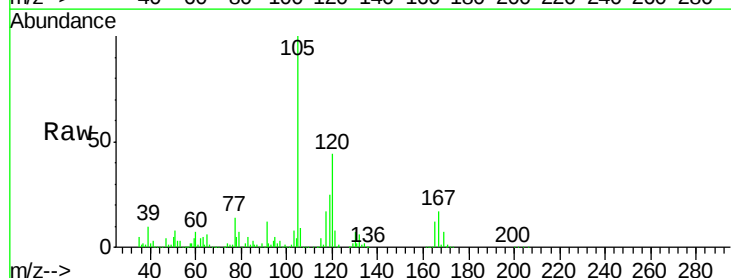
Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

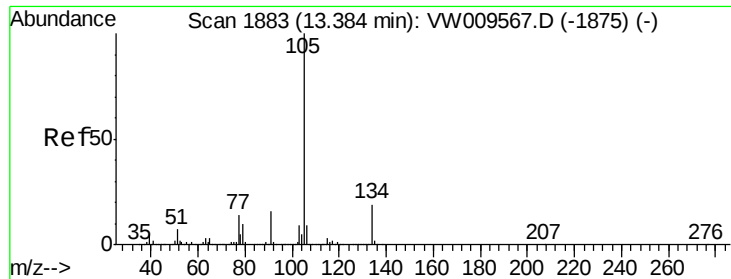
Tgt Ion:119 Resp: 300317
Ion Ratio Lower Upper
119 100
91 70.2 34.4 103.2
134 25.1 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 23.076 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009689.D
Acq: 04 Apr 2019 11:55

Tgt Ion:105 Resp: 359428
Ion Ratio Lower Upper
105 100
120 44.8 22.8 68.3

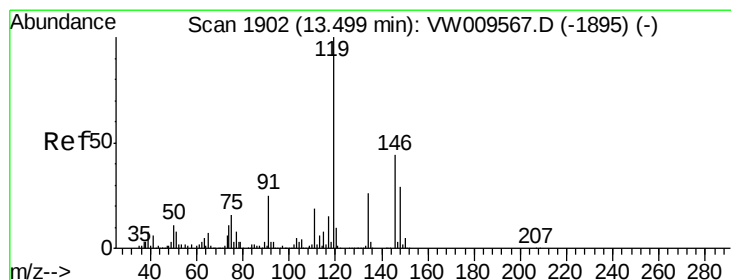
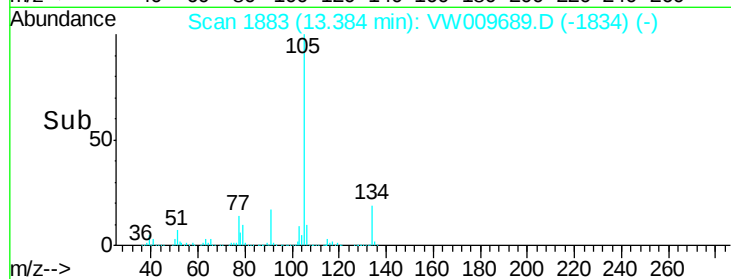
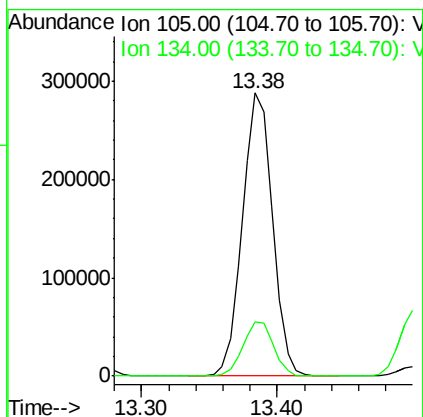
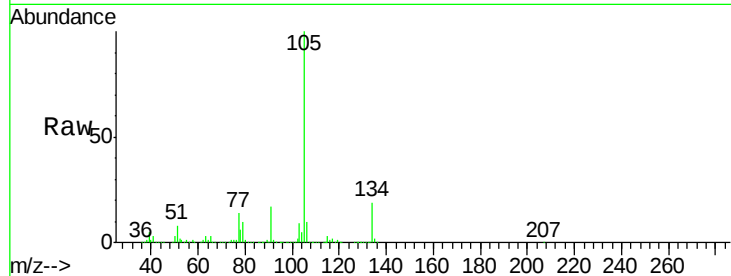




#85
 sec-Butylbenzene
 Concen: 22.890 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

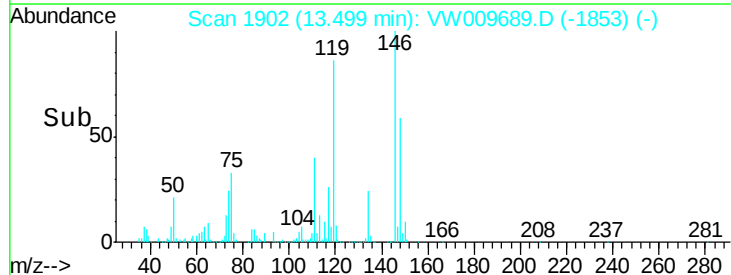
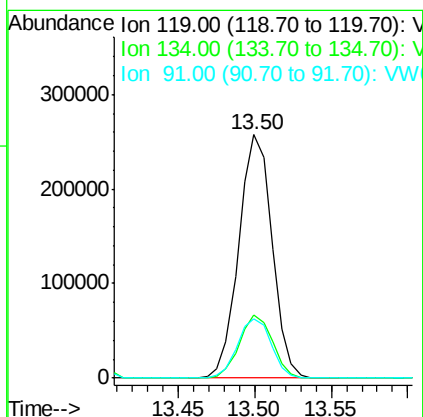
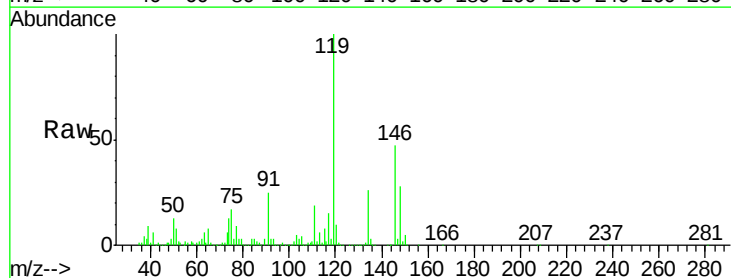
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

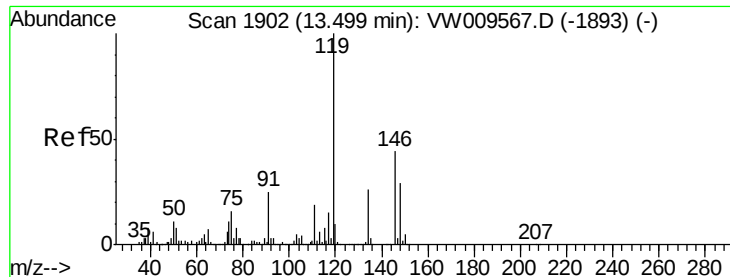
Tgt Ion:105 Resp: 445402
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 23.025 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion:119 Resp: 389697
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.3
 91 24.8 12.3 36.8

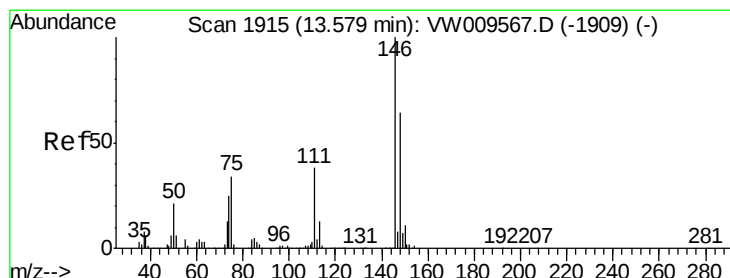
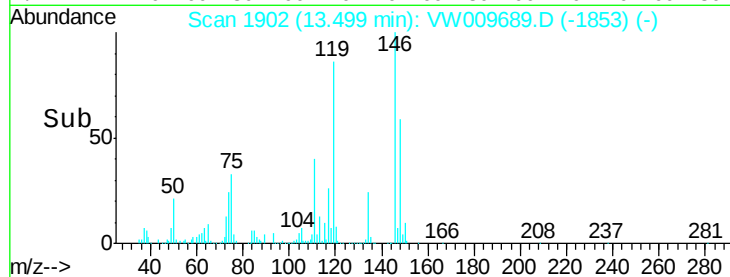
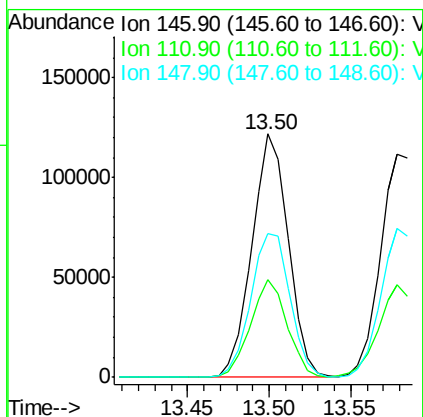
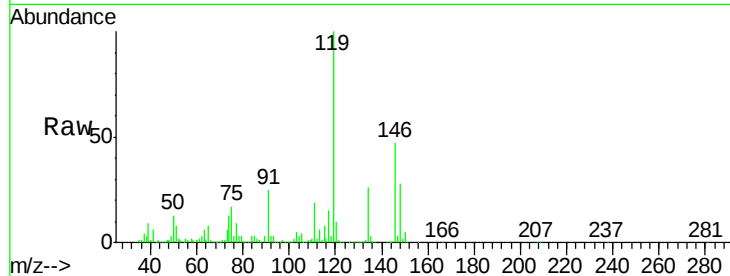




#87
 1,3-Dichlorobenzene
 Concen: 22.116 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

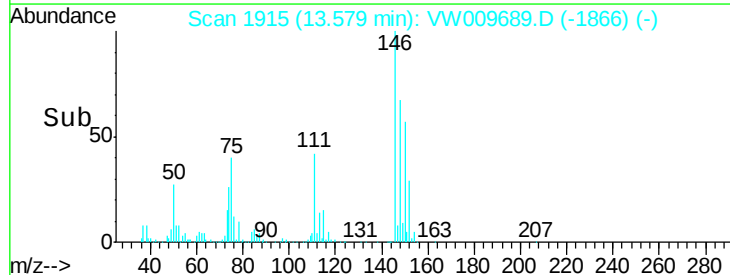
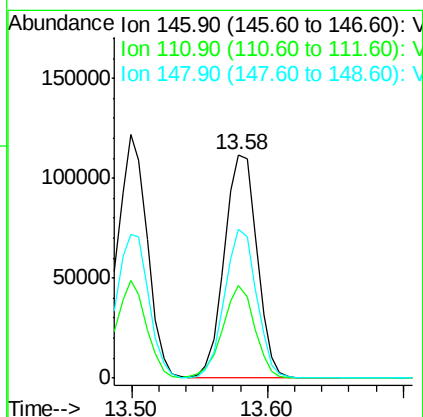
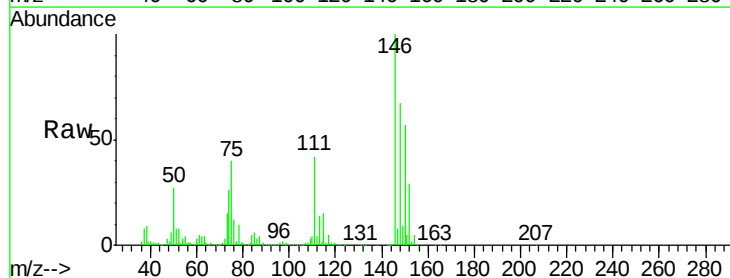
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

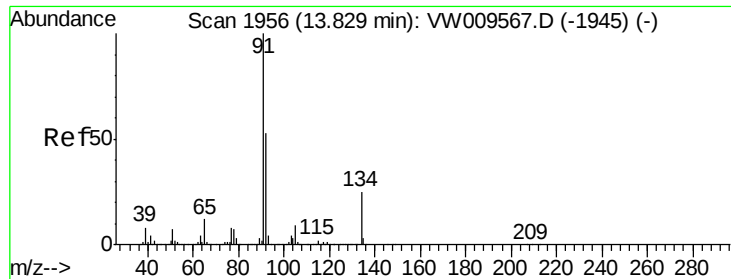
Tgt Ion:146 Resp: 189190
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.1 60.2
 148 63.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.863 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion:146 Resp: 186806
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.9 59.6
 148 65.3 32.2 96.6





#89

n-Butylbenzene

Concen: 22.634 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

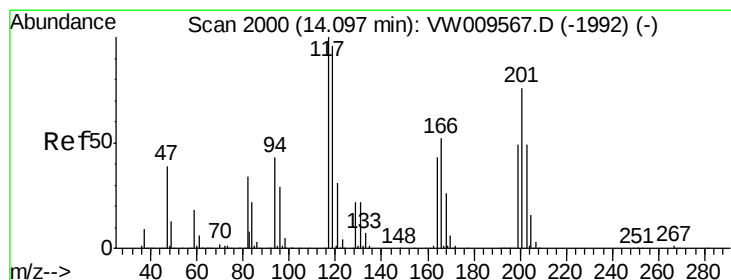
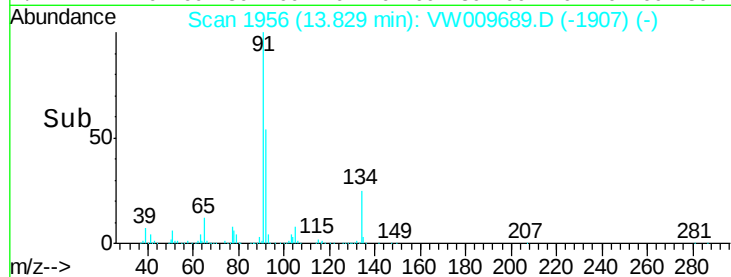
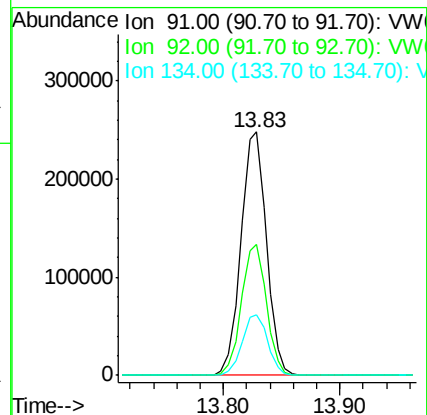
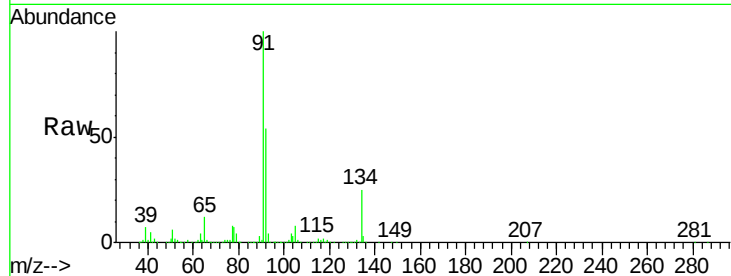
Tgt Ion: 91 Resp: 378119

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.0

134 25.1 12.9 38.6



#90

Hexachloroethane

Concen: 22.400 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009689.D

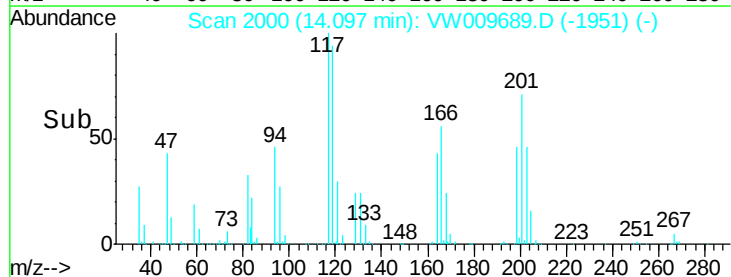
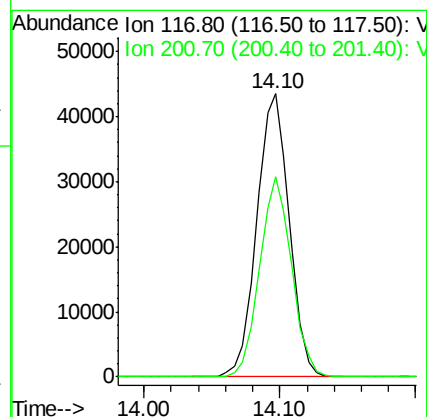
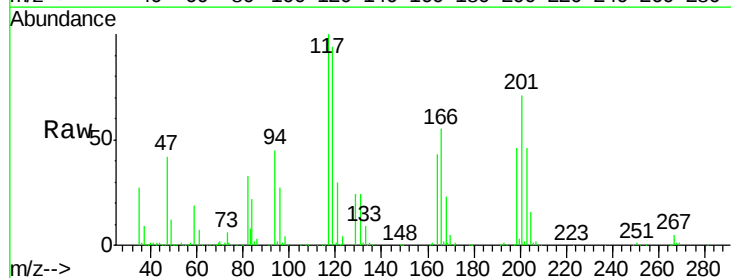
Acq: 04 Apr 2019 11:55

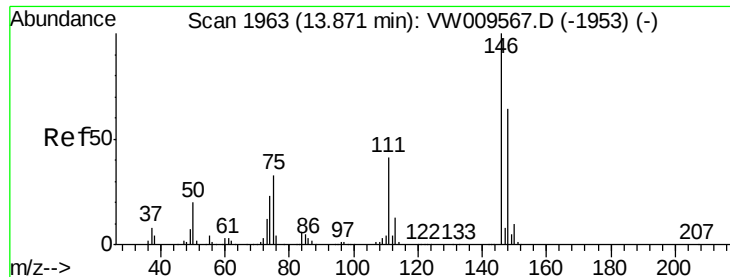
Tgt Ion: 117 Resp: 72598

Ion Ratio Lower Upper

117 100

201 69.7 38.2 114.6





#91

1,2-Dichlorobenzene

Concen: 22.145 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

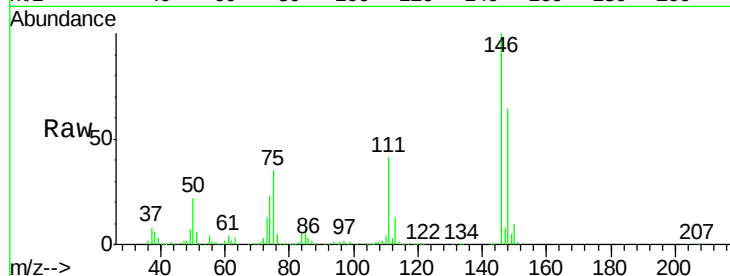
Tgt Ion: 146 Resp: 169402

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.2

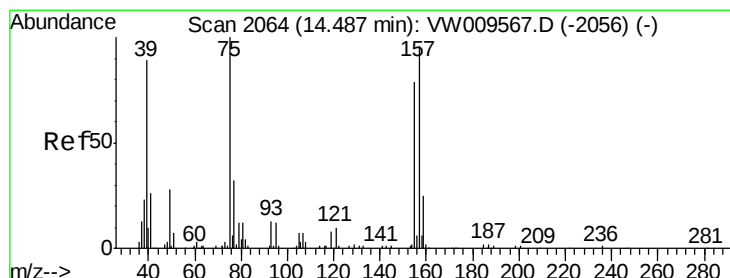
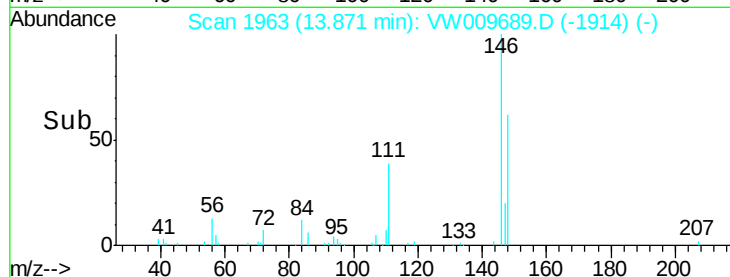
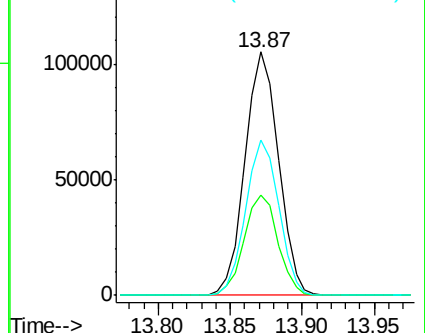
148 63.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.443 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

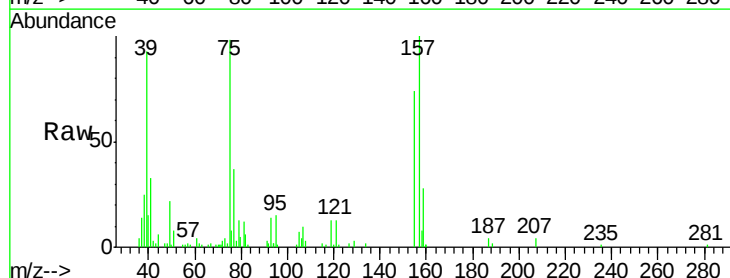
Tgt Ion: 75 Resp: 12698

Ion Ratio Lower Upper

75 100

155 75.5 39.3 117.8

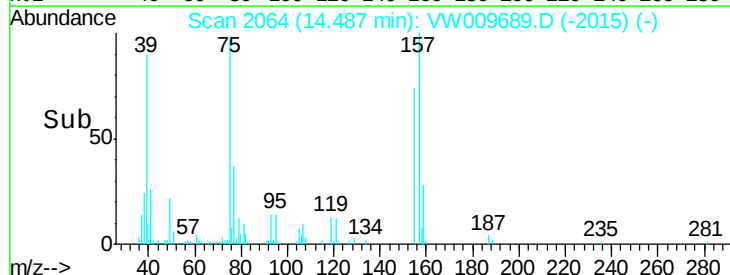
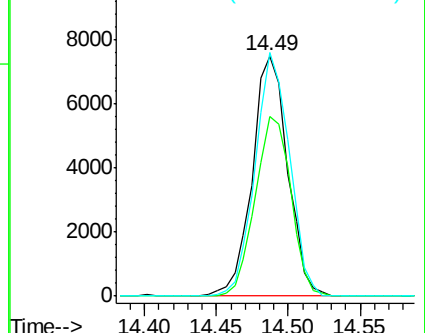
157 98.3 49.5 148.5

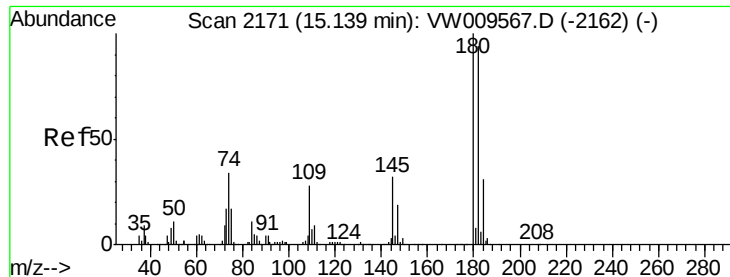


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

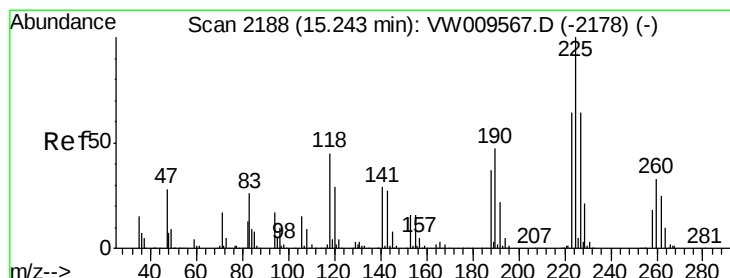
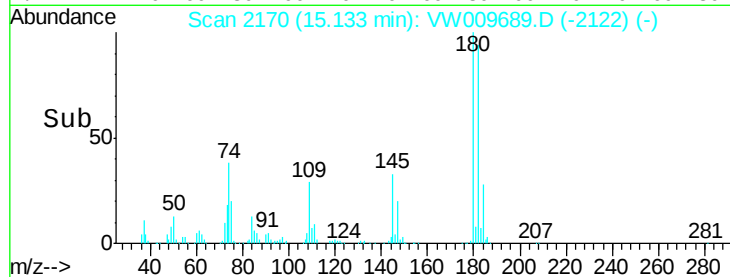
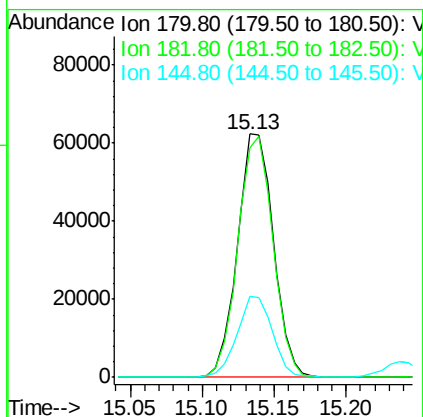
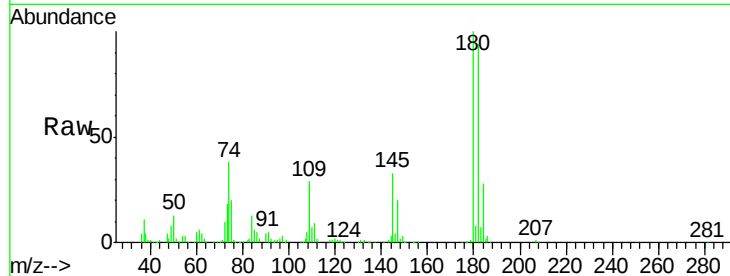




#93
 1,2,4-Trichlorobenzene
 Concen: 21.918 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

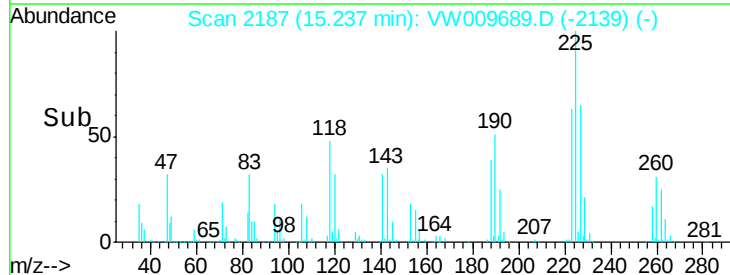
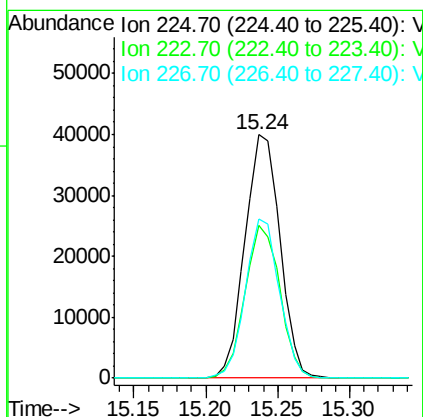
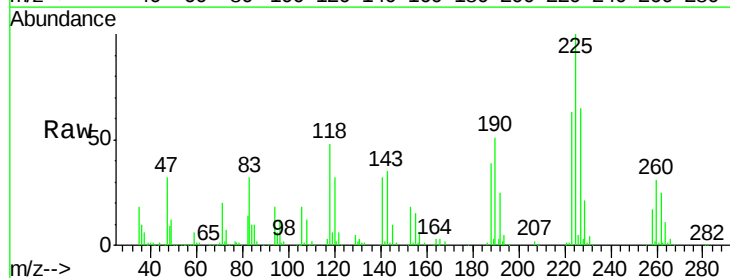
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

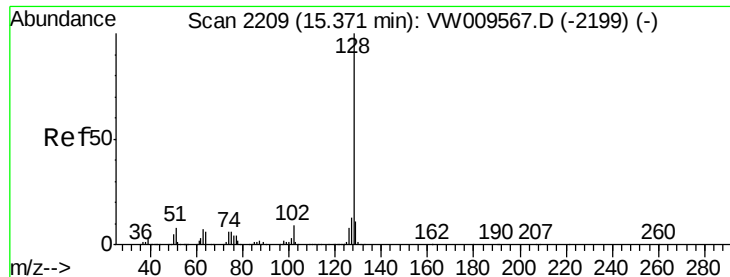
Tgt Ion:180 Resp: 107975
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.9 143.7
 145 32.7 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 21.265 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009689.D
 Acq: 04 Apr 2019 11:55

Tgt Ion:225 Resp: 67278
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.3
 227 63.3 32.1 96.5





#95

Naphthalene

Concen: 20.475 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

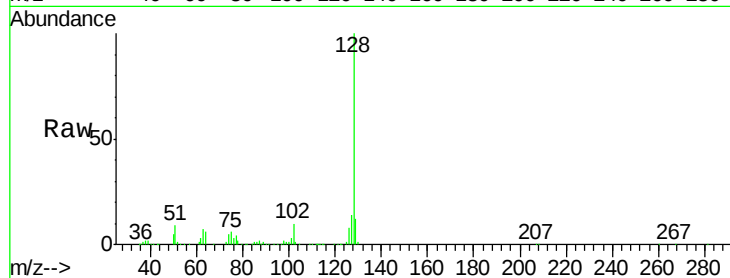
Tgt Ion:128 Resp: 187983

Ion Ratio Lower Upper

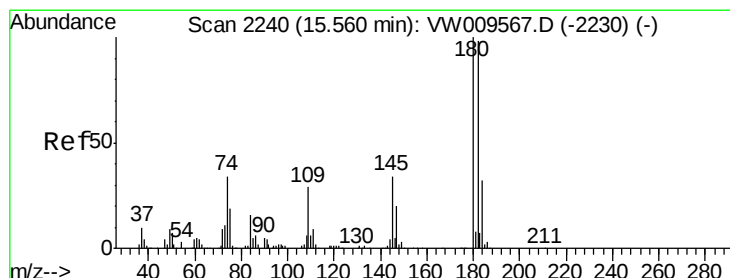
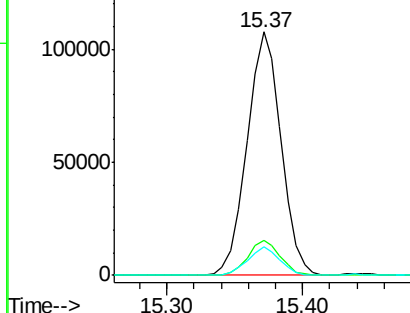
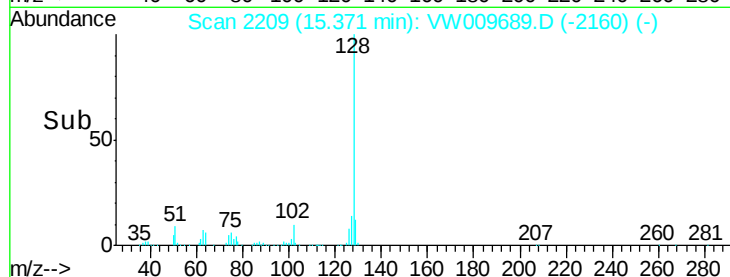
128 100

127 13.8 10.8 16.2

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.525 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009689.D

Acq: 04 Apr 2019 11:55

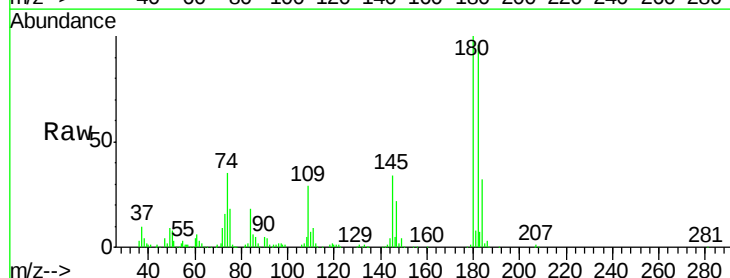
Tgt Ion:180 Resp: 94741

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.9

145 32.7 16.0 48.0



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

