

Data File : VW003247.D
Acq On : 13 Jun 2018 16:06
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Quant Time: Jun 14 07:51:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	424682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	386377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	201476	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	14419	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
35) Dibromofluoromethane	7.89	113	12869	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
50) Toluene-d8	10.33	98	47450	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.63	95	16754	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	4867	6.22	ug/l	92
3) Chloromethane	2.21	50	12045	5.83	ug/l	89
4) Vinyl Chloride	2.36	62	17093	5.36	ug/l	99
5) Bromomethane	2.78	94	11494	4.98	ug/l	97
6) Chloroethane	2.93	64	11437	4.74	ug/l	98
7) Trichlorofluoromethane	3.26	101	9848	5.51	ug/l	96
8) Diethyl Ether	3.67	74	7274	5.14	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13294	5.52	ug/l #	84
10) Methyl Iodide	4.26	142	20282	5.14	ug/l	95
11) Tert butyl alcohol	5.23	59	1754	10.07	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	13318	5.49	ug/l	84
13) Acrolein	3.90	56	6106	33.61	ug/l	96
14) Allyl chloride	4.67	41	21924	5.45	ug/l	97
15) Acrylonitrile	5.39	53	13334	24.35	ug/l	98
16) Acetone	4.15	43	18386	34.63	ug/l	98
17) Carbon Disulfide	4.37	76	41059	5.62	ug/l	97
18) Methyl Acetate	4.68	43	9168	6.71	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23282	5.11	ug/l	93
20) Methylene Chloride	4.91	84	20794	7.74	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	13970	5.29	ug/l	89
22) Diisopropyl ether	6.32	45	41306	5.04	ug/l	97
23) Vinyl Acetate	6.26	43	106482	22.07	ug/l	100
24) 1,1-Dichloroethane	6.22	63	26601	5.51	ug/l	97
25) 2-Butanone	7.19	43	18074	24.82	ug/l	90
26) 2,2-Dichloropropane	7.17	77	18807	6.31	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	15200	5.24	ug/l	97
28) Bromochloromethane	7.51	49	10211	5.24	ug/l	99
29) Tetrahydrofuran	7.54	42	10865	23.13	ug/l	97
30) Chloroform	7.68	83	26559	5.35	ug/l	100
31) Cyclohexane	7.96	56	28510	6.25	ug/l #	83
32) 1,1,1-Trichloroethane	7.88	97	22395	5.57	ug/l	98
36) 1,1-Dichloropropene	8.08	75	20581	5.16	ug/l	98
37) Ethyl Acetate	7.27	43	8223	4.69	ug/l #	95
38) Carbon Tetrachloride	8.07	117	19779	5.08	ug/l	90

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22812	4.82	ug/l	96
40) Benzene	8.33	78	58509	5.24	ug/l	98
41) Methacrylonitrile	7.50	41	4510	4.48	ug/l	95
42) 1,2-Dichloroethane	8.40	62	18576	5.35	ug/l	97
43) Isopropyl Acetate	8.43	43	16040	4.73	ug/l	98
44) Trichloroethene	9.09	130	15564	5.17	ug/l	93
45) 1,2-Dichloropropane	9.38	63	15001	5.35	ug/l	95
46) Dibromomethane	9.46	93	7461	4.97	ug/l	97
47) Bromodichloromethane	9.65	83	18813	5.14	ug/l	99
48) Methyl methacrylate	9.45	41	6826	4.23	ug/l	94
49) 1,4-Dioxane	9.49	88	1902	81.83	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	38206	22.16	ug/l	97
52) Toluene	10.40	92	35887	5.00	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	18587	4.93	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	21158	4.93	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10520	5.08	ug/l	93
56) Ethyl methacrylate	10.65	69	10287	4.00	ug/l	96
57) 1,3-Dichloropropane	10.94	76	17463	4.88	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	25413	21.69	ug/l	98
59) 2-Hexanone	10.98	43	25264	21.54	ug/l	93
60) Dibromochloromethane	11.13	129	11583	4.65	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9693	4.85	ug/l	98
64) Tetrachloroethene	10.87	164	13496	4.93	ug/l	97
65) Chlorobenzene	11.66	112	41509	5.22	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	13716	4.95	ug/l	99
67) Ethyl Benzene	11.74	91	68579	4.88	ug/l	97
68) m/p-Xylenes	11.85	106	51533	9.59	ug/l	97
69) o-Xylene	12.17	106	22883	4.52	ug/l	97
70) Styrene	12.19	104	36678	4.34	ug/l	97
71) Bromoform	12.35	173	6580	4.44	ug/l #	98
73) Isopropylbenzene	12.48	105	64328	4.61	ug/l	99
74) N-amyl acetate	12.28	43	13321	4.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	11594	4.88	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15042	8.42	ug/l #	100
77) Bromobenzene	12.75	156	16236	4.94	ug/l	99
78) n-propylbenzene	12.81	91	79168	4.75	ug/l	98
79) 2-Chlorotoluene	12.90	91	46566	4.92	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	53885	4.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3237	4.60	ug/l	96
82) 4-Chlorotoluene	13.00	91	49986	4.95	ug/l	100
83) tert-Butylbenzene	13.21	119	46892	4.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	56741	4.72	ug/l	98
85) sec-Butylbenzene	13.40	105	70309	4.83	ug/l	98
86) p-Isopropyltoluene	13.51	119	60648	4.66	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	34043	5.14	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	35443	5.36	ug/l	94
89) n-Butylbenzene	13.83	91	60838	4.94	ug/l	98
90) Hexachloroethane	14.10	117	11217	4.86	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	29808	5.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1737	4.26	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061318\
Quantitation Report (Not Reviewed)

Data File : VW003247.D
Acq On : 13 Jun 2018 16:06
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jun 14 07:51:49 2018
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Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	19934	4.75	ug/l	99
94) Hexachlorobutadiene	15.25	225	12189	4.96	ug/l	94
95) Naphthalene	15.38	128	30685	4.13	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	18038	4.88	ug/l	97

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

Data File : VW003247.D

Acq On : 13 Jun 2018 16:06

Operator : VA/AP

Sample : VSTDICC005

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

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

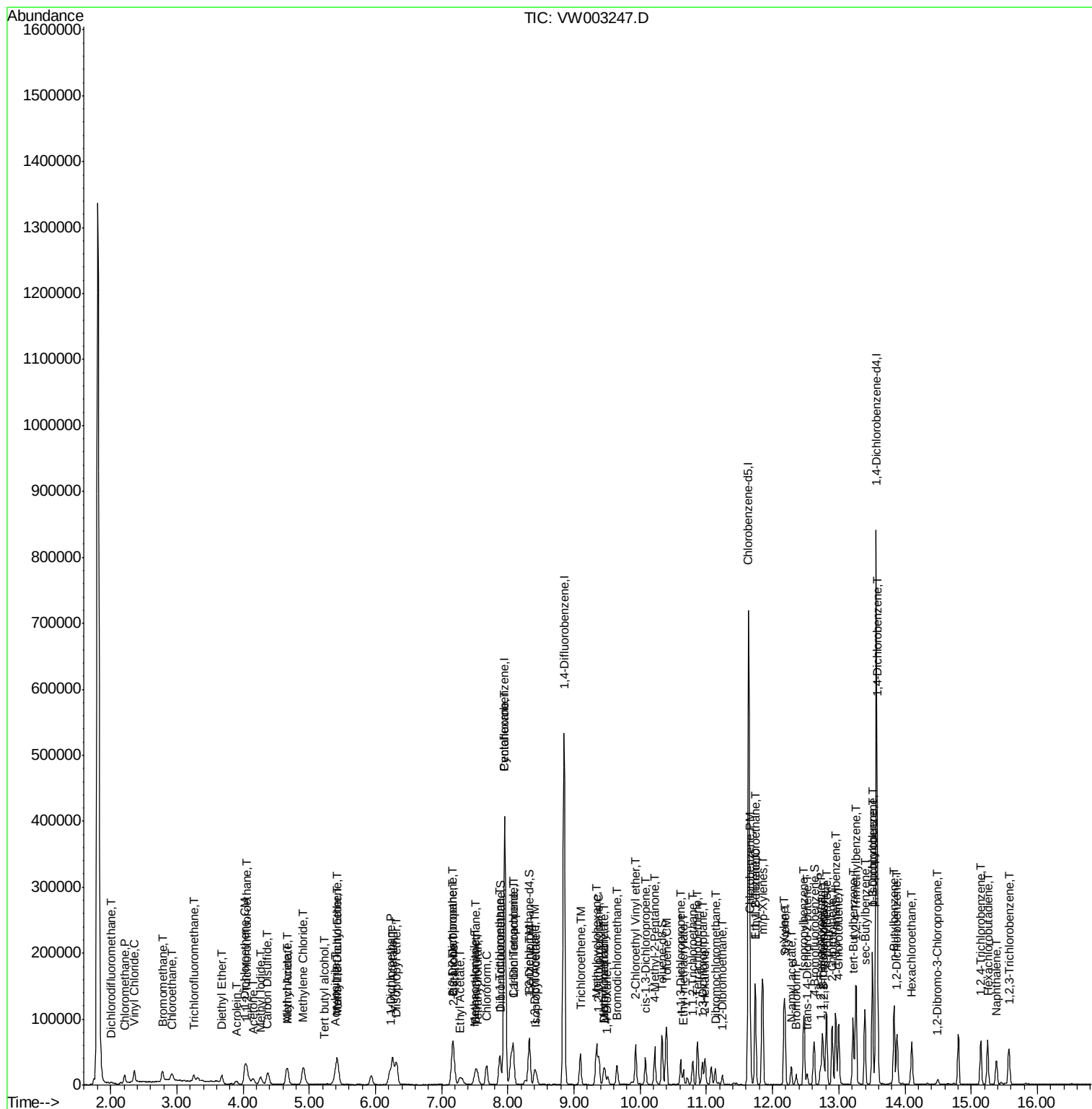
Quant Time: Jun 14 07:51:49 2018

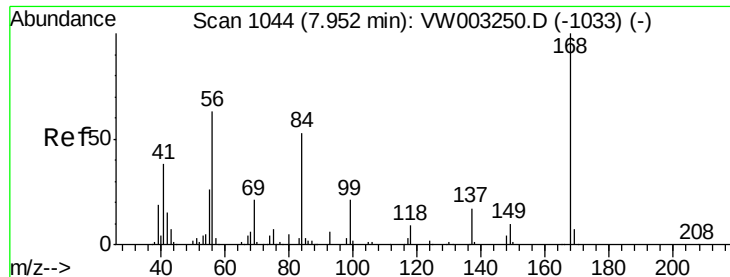
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W061318S.M

Quant Title : SW846 8260

QLast Update : Thu Jun 14 07:51:28 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

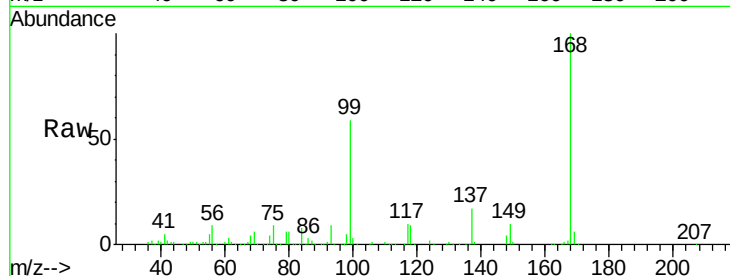
VSTDIC005

Tgt Ion:168 Resp: 269266

Ion Ratio Lower Upper

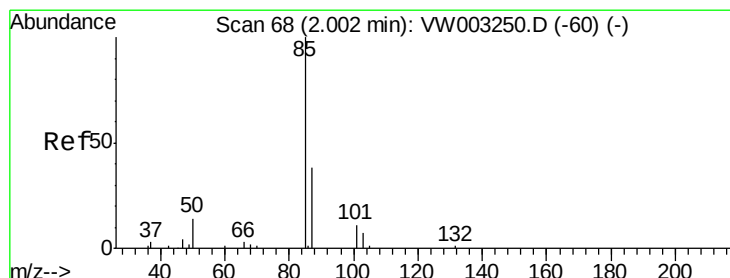
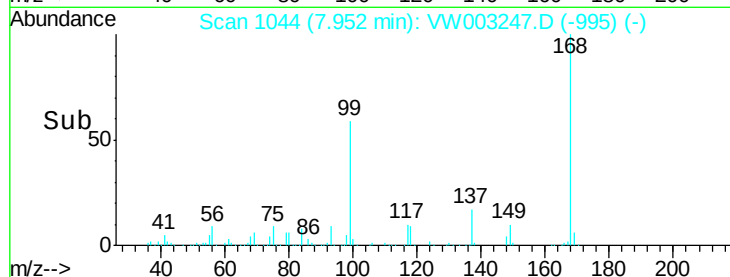
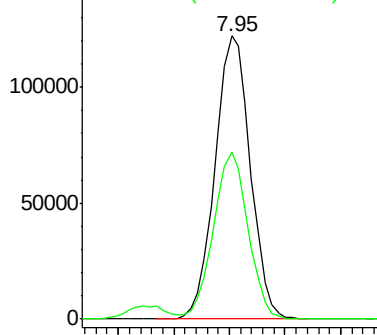
168 100

99 59.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 6.22 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003247.D

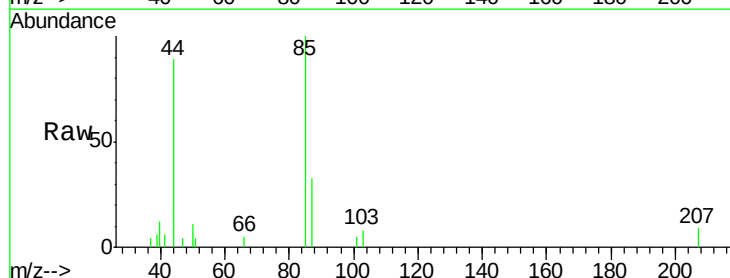
Acq: 13 Jun 2018 16:06

Tgt Ion: 85 Resp: 4867

Ion Ratio Lower Upper

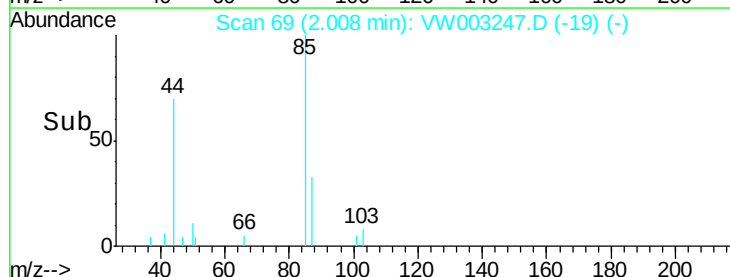
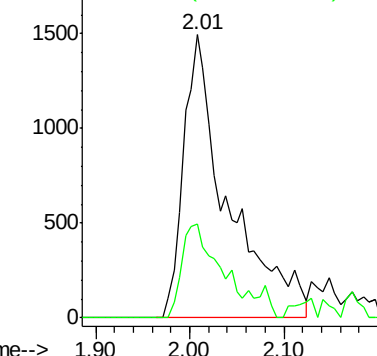
85 100

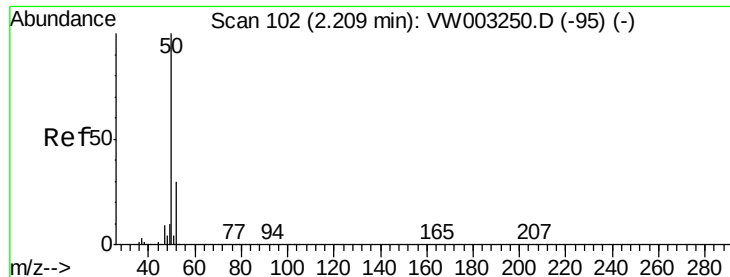
87 33.1 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.83 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

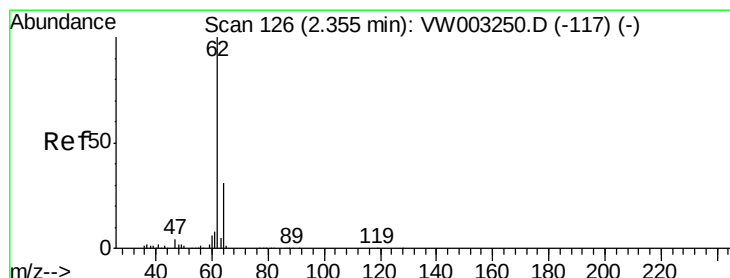
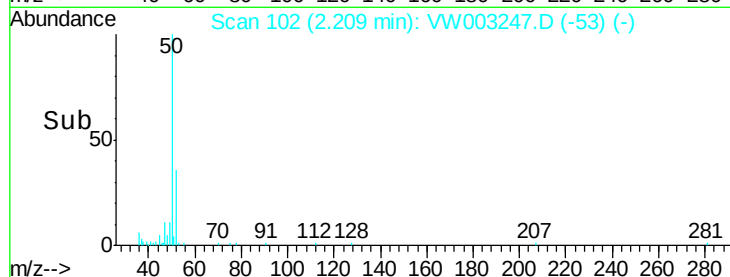
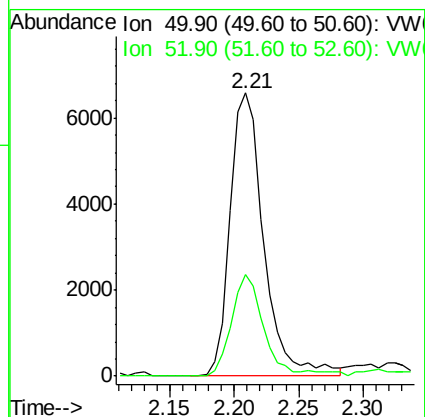
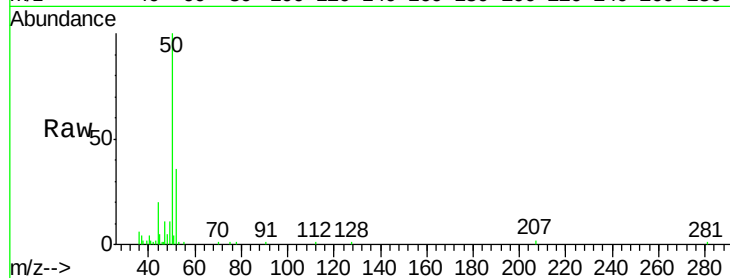
VSTDIC005

Tgt Ion: 50 Resp: 12045

Ion Ratio Lower Upper

50 100

52 36.0 24.2 36.2



#4

Vinyl Chloride

Concen: 5.36 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003247.D

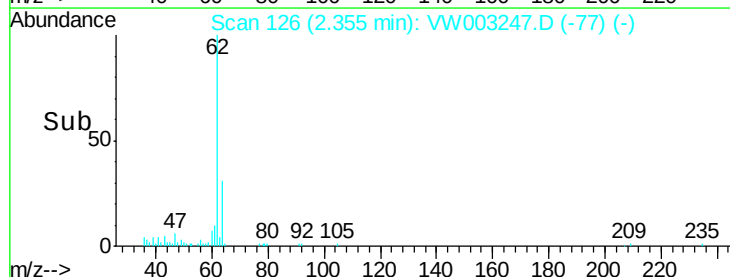
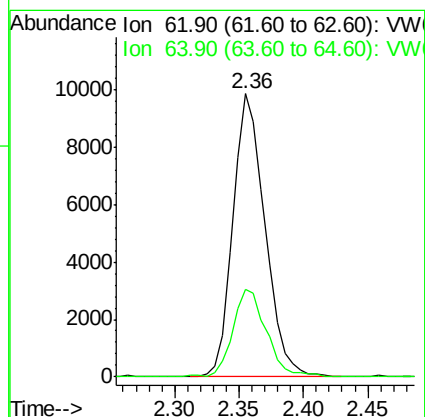
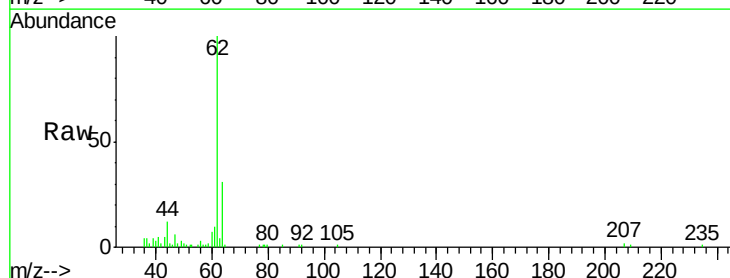
Acq: 13 Jun 2018 16:06

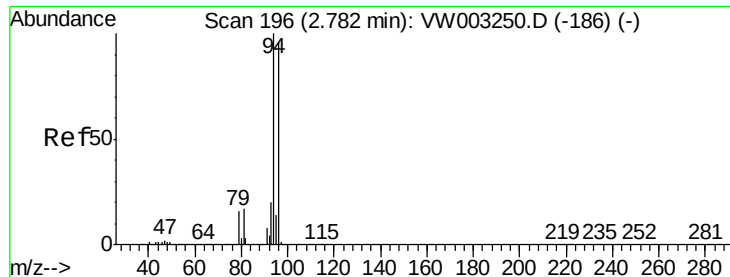
Tgt Ion: 62 Resp: 17093

Ion Ratio Lower Upper

62 100

64 30.8 24.9 37.3





#5

Bromomethane

Concen: 4.98 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

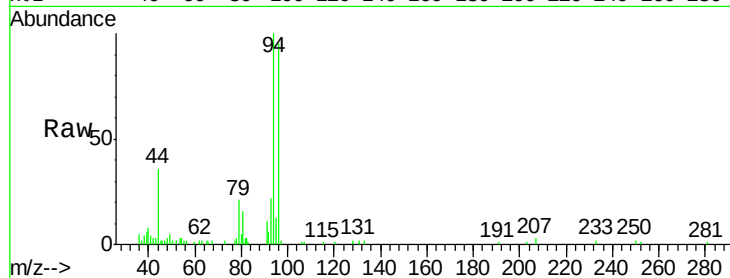
VSTDIC005

Tgt Ion: 94 Resp: 11494

Ion Ratio Lower Upper

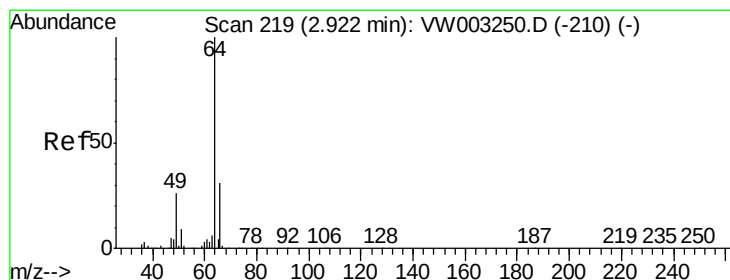
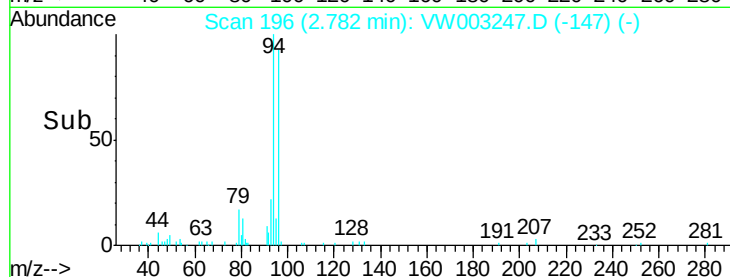
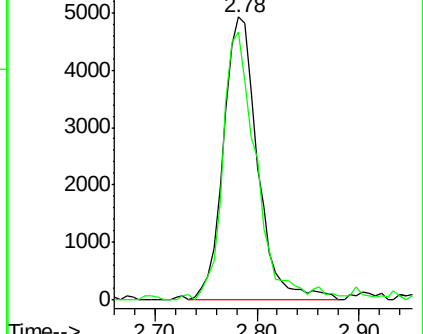
94 100

96 93.0 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.74 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW003247.D

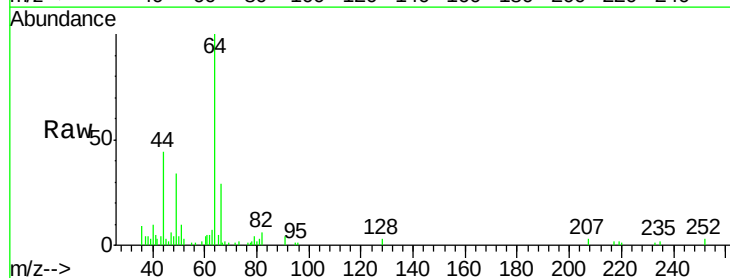
Acq: 13 Jun 2018 16:06

Tgt Ion: 64 Resp: 11437

Ion Ratio Lower Upper

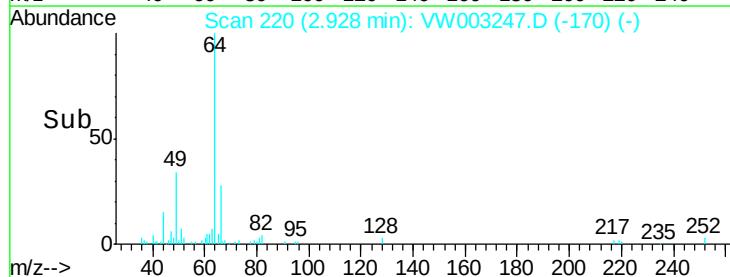
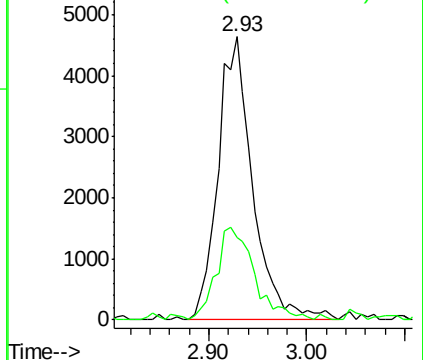
64 100

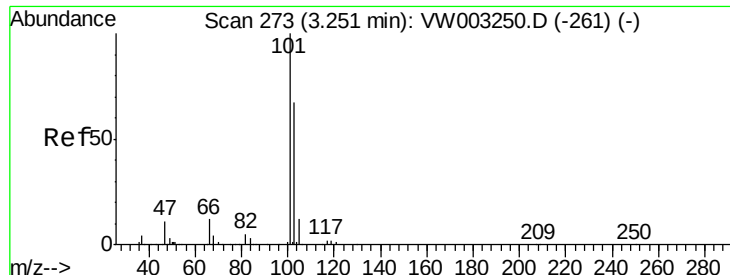
66 29.3 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 5.51 ug/l

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

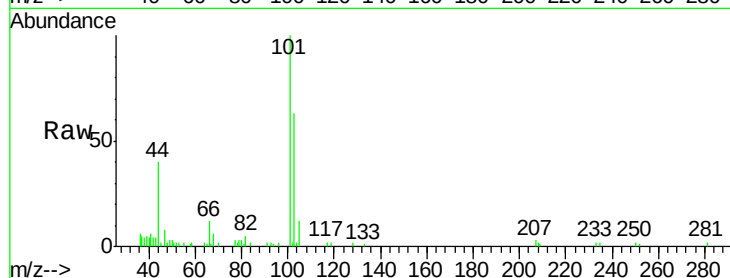
VSTDIC005

Tgt Ion:101 Resp: 9848

Ion Ratio Lower Upper

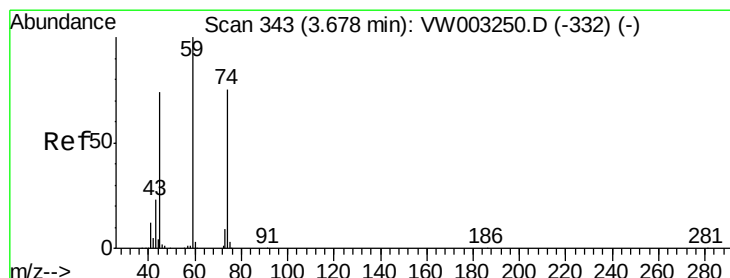
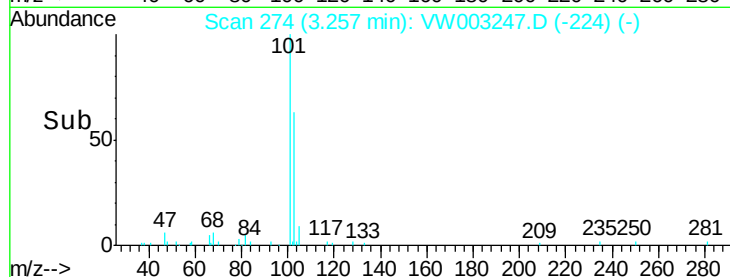
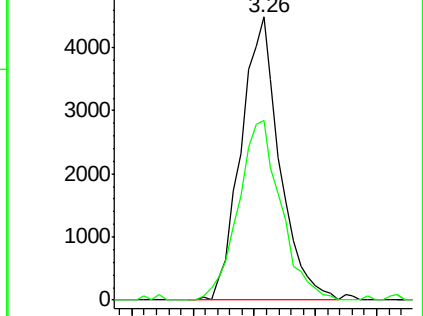
101 100

103 63.3 53.4 80.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.14 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003247.D

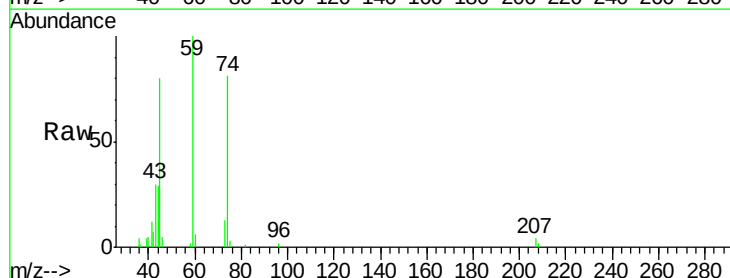
Acq: 13 Jun 2018 16:06

Tgt Ion: 74 Resp: 7274

Ion Ratio Lower Upper

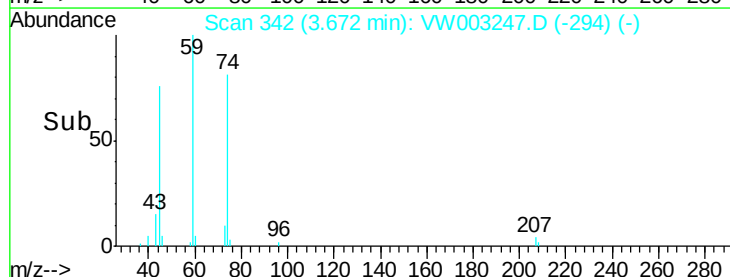
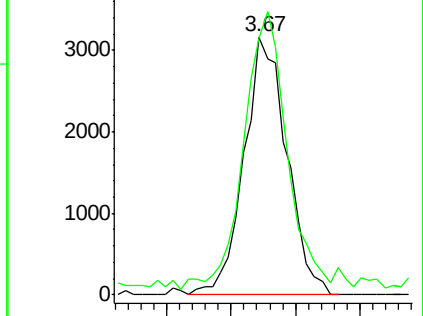
74 100

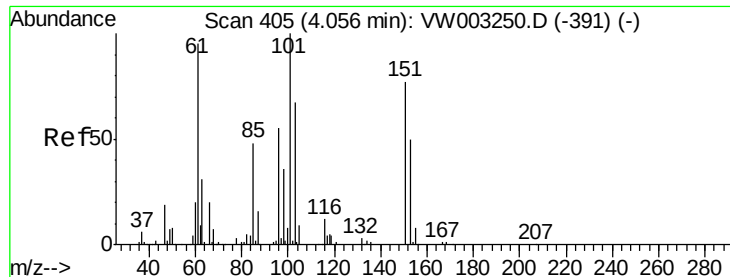
45 110.0 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.52 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

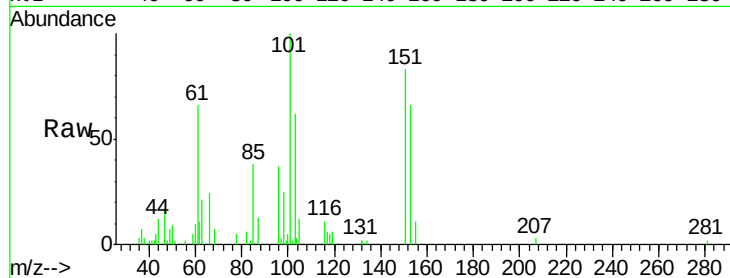
Tgt Ion:101 Resp: 13294

Ion Ratio Lower Upper

101 100

85 20.6 37.0 55.6#

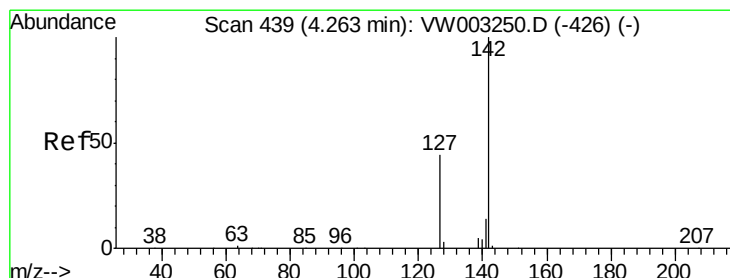
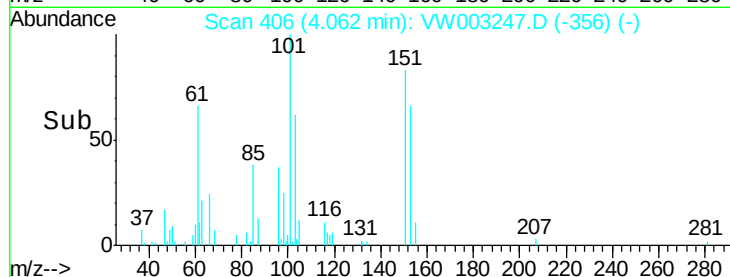
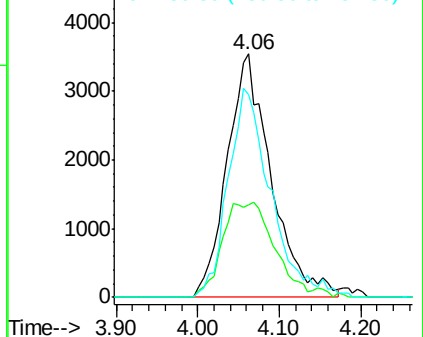
151 80.7 63.3 94.9



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: 5.14 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

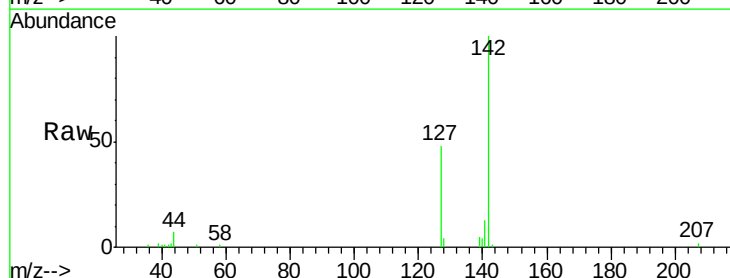
Tgt Ion:142 Resp: 20282

Ion Ratio Lower Upper

142 100

127 49.0 36.5 54.7

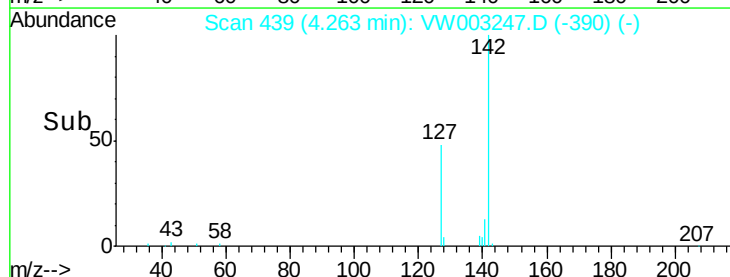
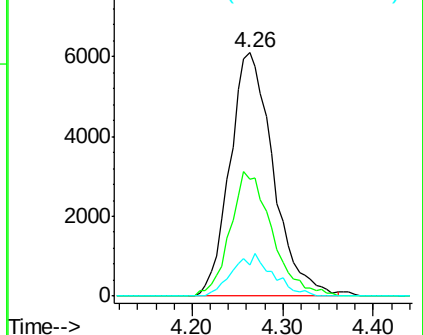
141 16.2 12.1 18.1

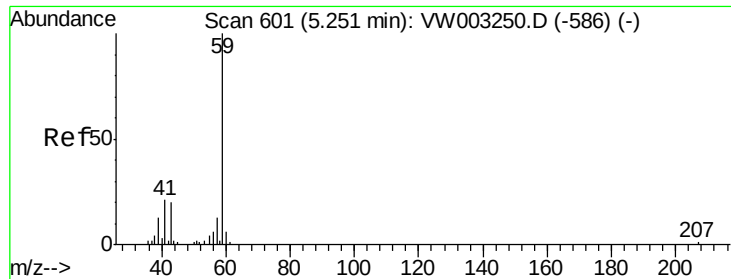


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



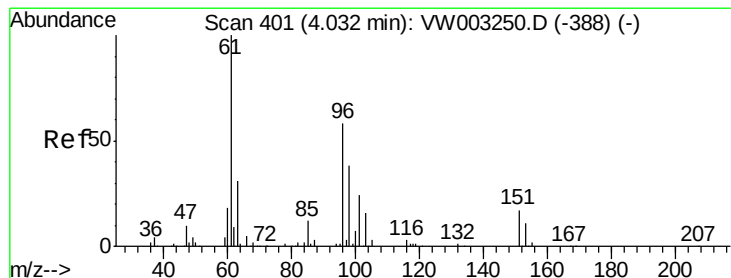
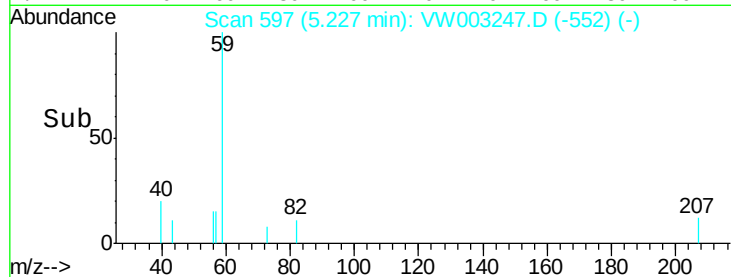
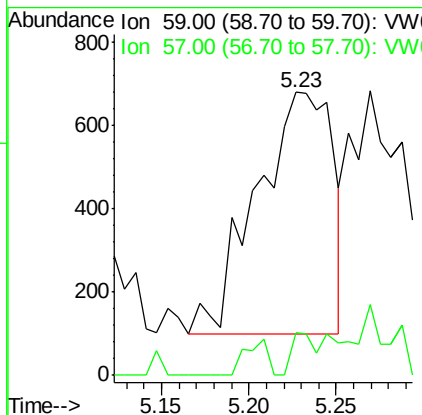
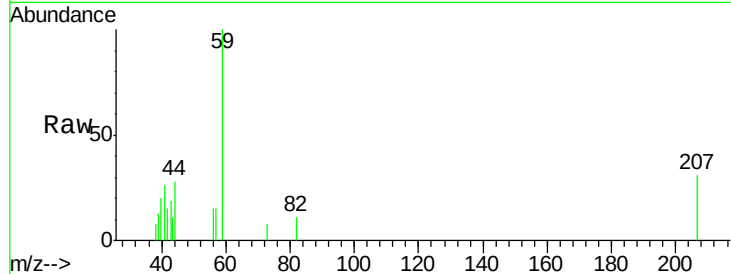


#11

Tert butyl alcohol
Concen: 10.07 ug/l
RT: 5.23 min Scan# 597
Delta R.T. -0.02 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

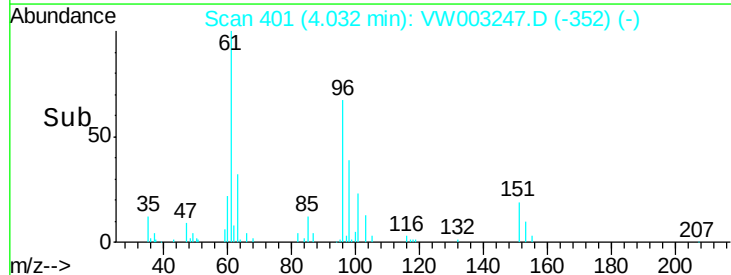
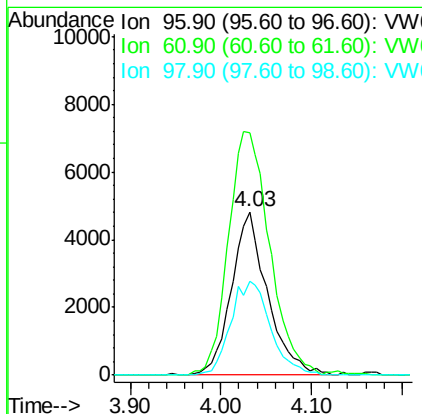
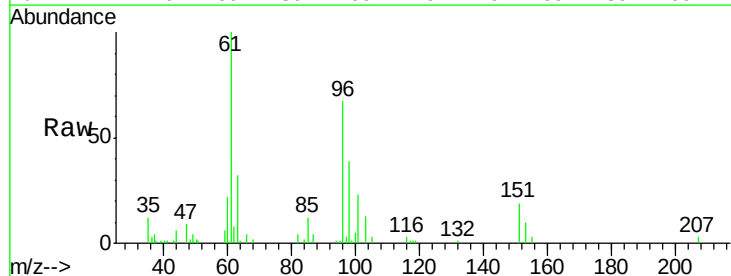
Tgt Ion: 59 Resp: 1754
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

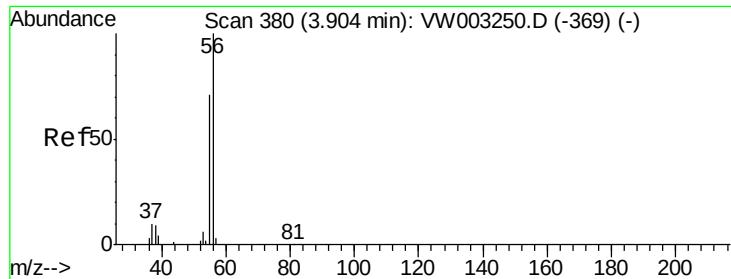


#12

1,1-Dichloroethene
Concen: 5.49 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 96 Resp: 13318
Ion Ratio Lower Upper
96 100
61 148.8 139.0 208.4
98 57.9 53.3 79.9





#13

Acrolein

Concen: 33.61 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

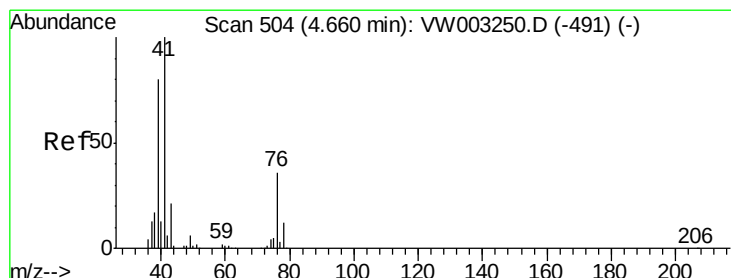
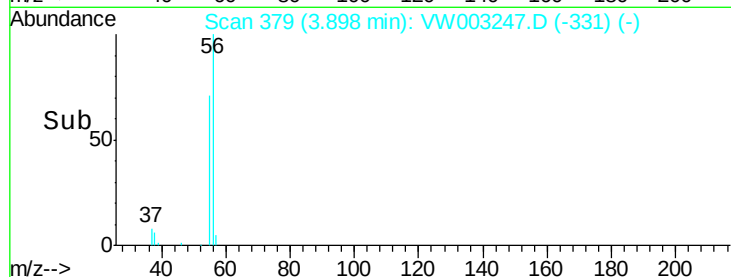
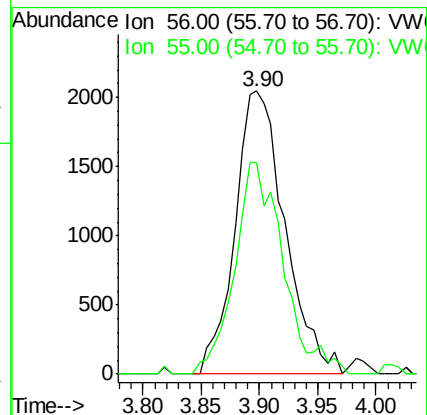
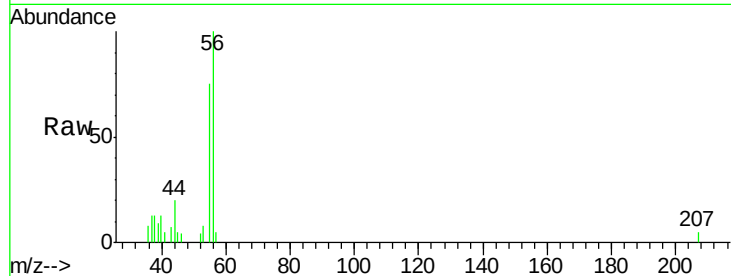
VSTDIC005

Tgt Ion: 56 Resp: 6106

Ion Ratio Lower Upper

56 100

55 72.9 55.4 83.2



#14

Allyl chloride

Concen: 5.45 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

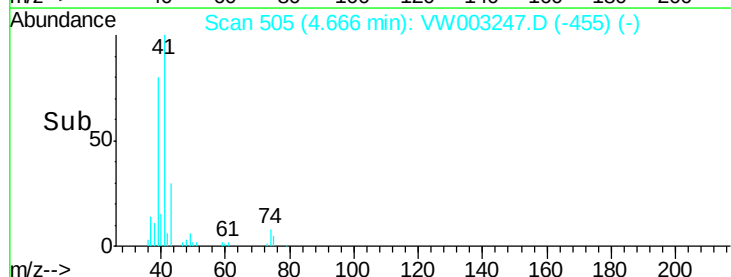
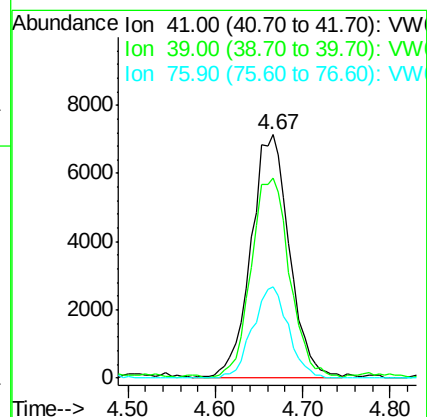
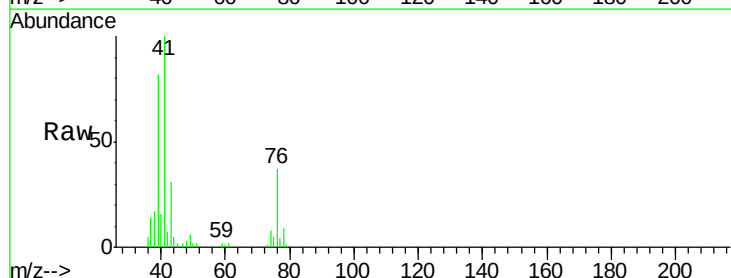
Tgt Ion: 41 Resp: 21924

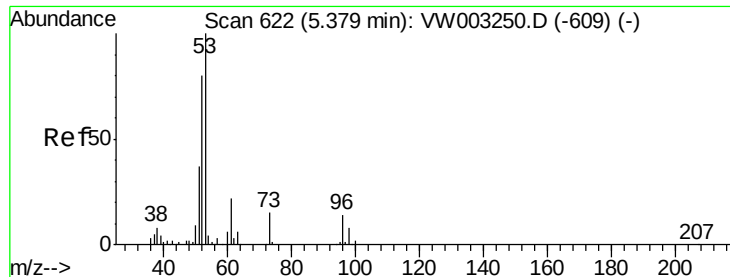
Ion Ratio Lower Upper

41 100

39 82.3 63.2 94.8

76 34.5 28.0 42.0





#15

Acrylonitrile

Concen: 24.35 ug/l

RT: 5.39 min Scan# 623

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

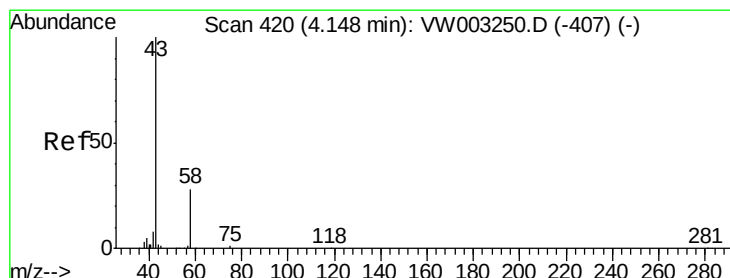
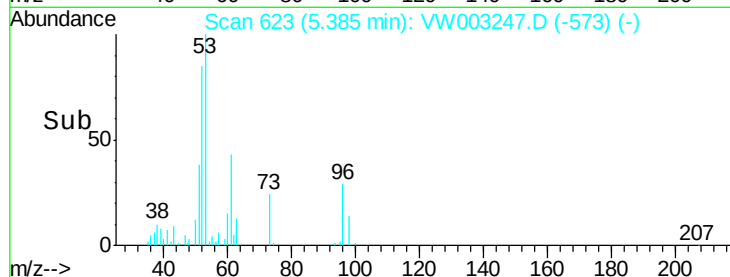
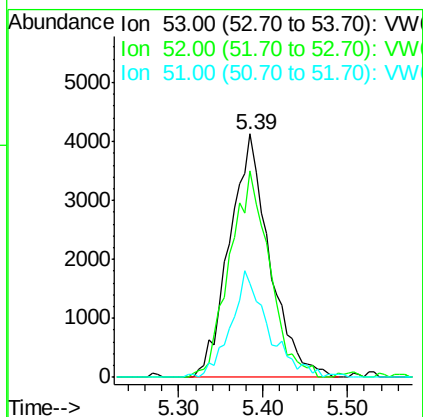
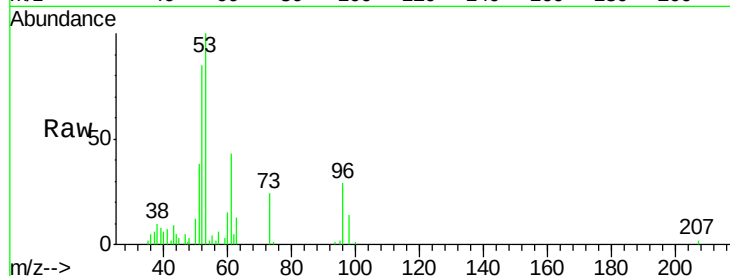
Tgt Ion: 53 Resp: 13334

Ion Ratio Lower Upper

53 100

52 84.4 66.6 100.0

51 40.5 30.6 46.0



#16

Acetone

Concen: 34.63 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003247.D

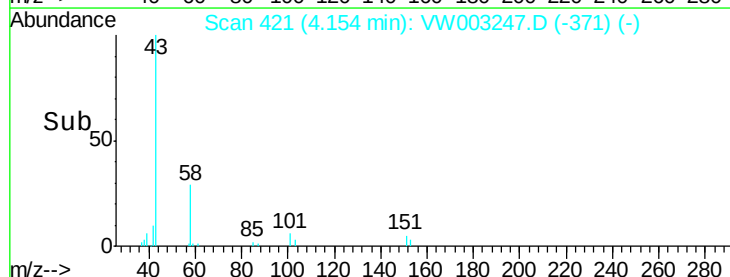
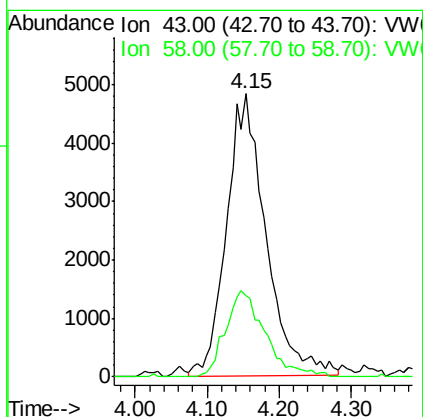
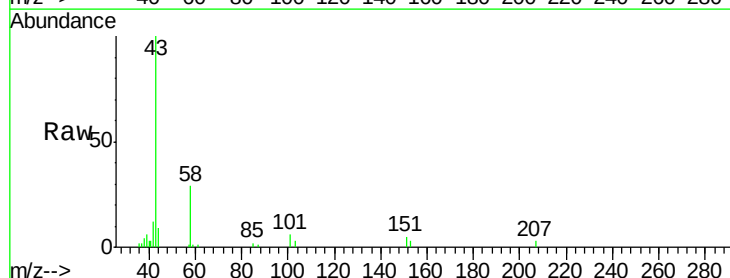
Acq: 13 Jun 2018 16:06

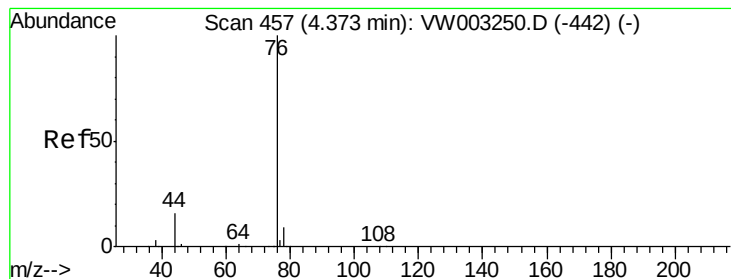
Tgt Ion: 43 Resp: 18386

Ion Ratio Lower Upper

43 100

58 29.1 22.6 34.0





#17

Carbon Disulfide

Concen: 5.62 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

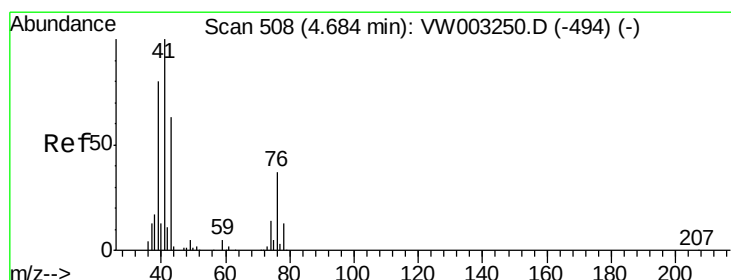
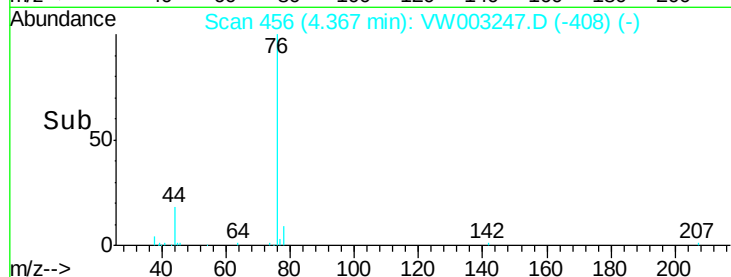
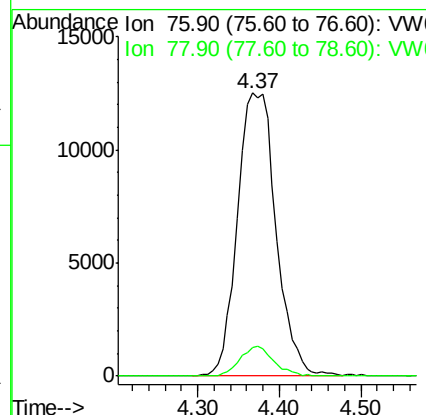
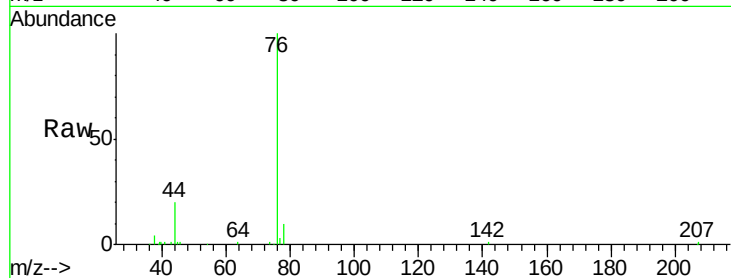
VSTDIC005

Tgt Ion: 76 Resp: 41059

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#18

Methyl Acetate

Concen: 6.71 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003247.D

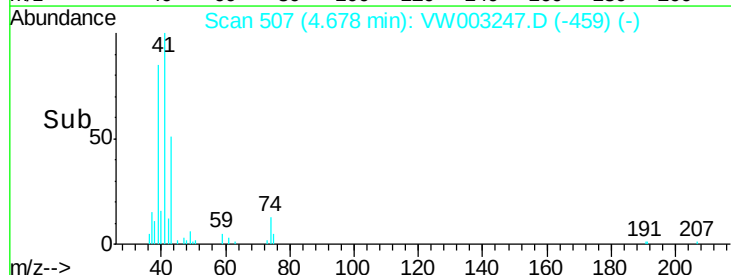
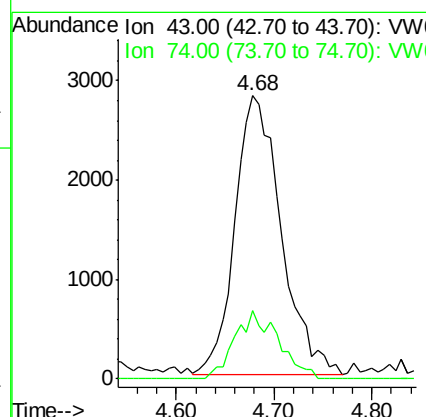
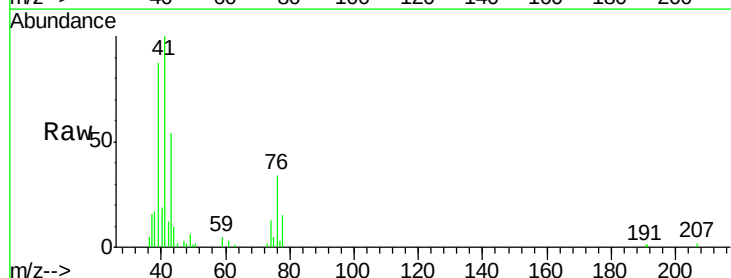
Acq: 13 Jun 2018 16:06

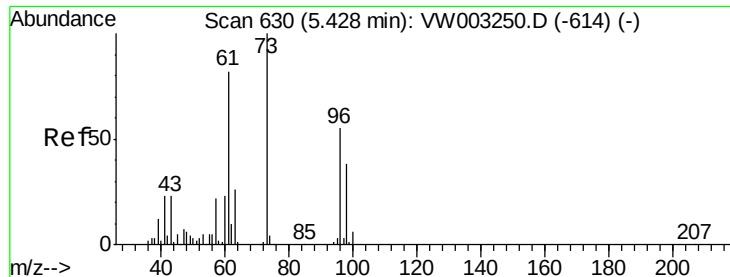
Tgt Ion: 43 Resp: 9168

Ion Ratio Lower Upper

43 100

74 23.0 18.7 28.1

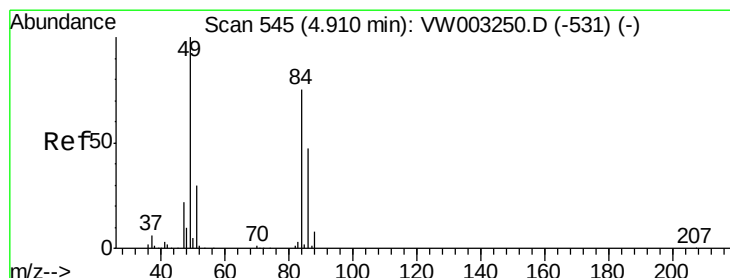
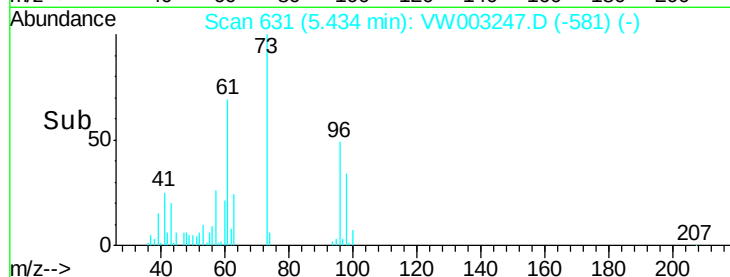
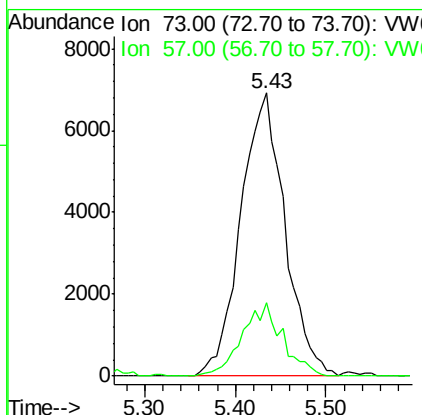
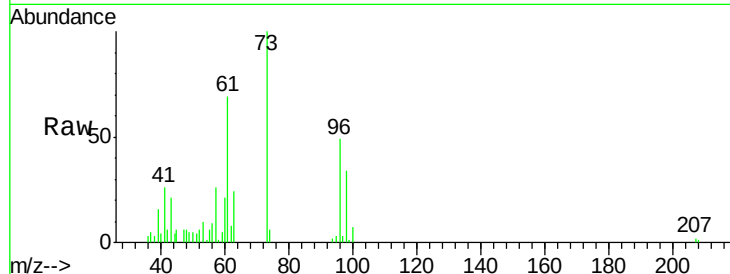




#19
Methyl tert-butyl Ether
Concen: 5.11 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

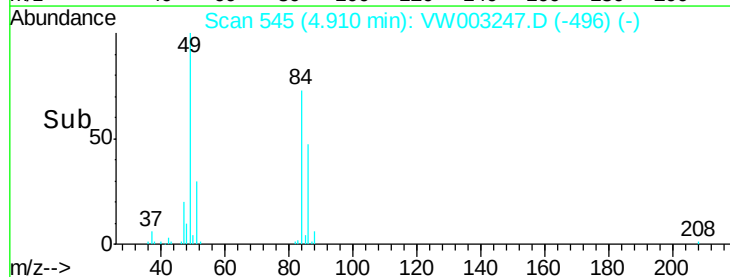
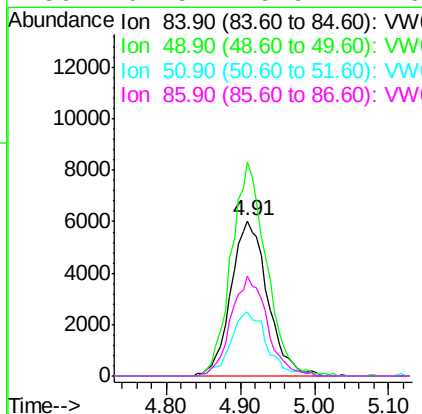
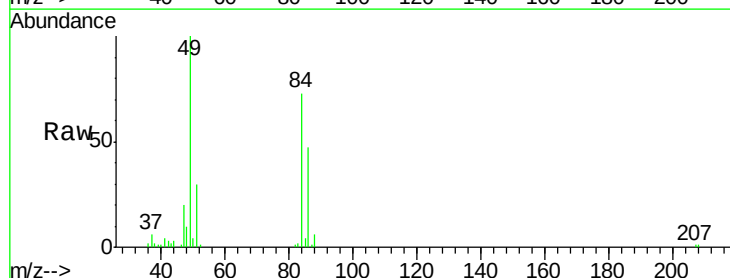
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

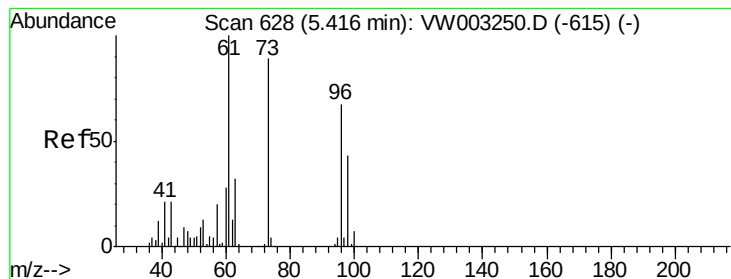
Tgt Ion: 73 Resp: 23282
Ion Ratio Lower Upper
73 100
57 26.0 18.0 27.0



#20
Methylene Chloride
Concen: 7.74 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 84 Resp: 20794
Ion Ratio Lower Upper
84 100
49 137.6 106.3 159.5
51 40.9 32.0 48.0
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.29 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

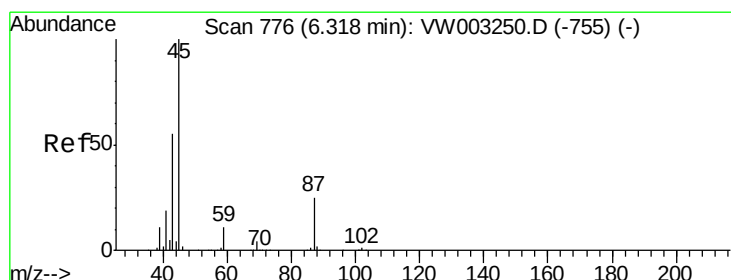
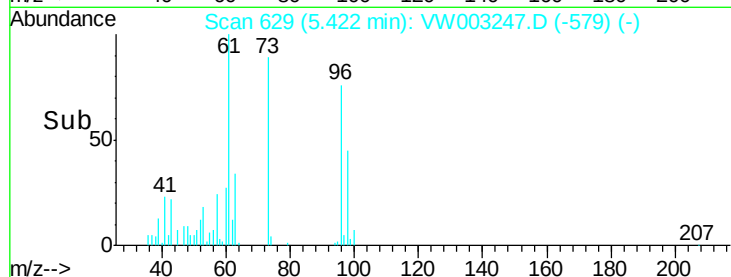
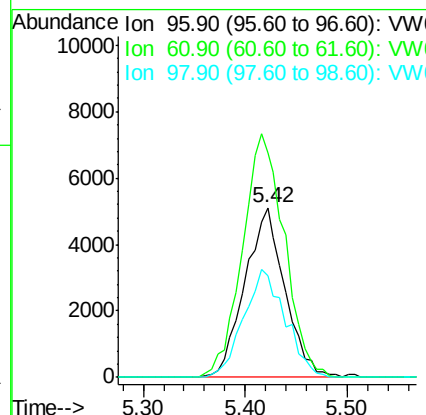
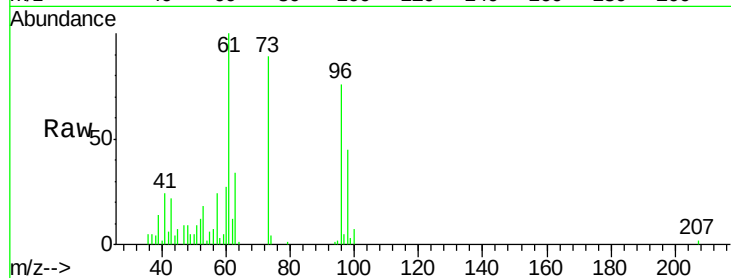
Tgt Ion: 96 Resp: 13970

Ion Ratio Lower Upper

96 100

61 131.7 118.7 178.1

98 59.4 51.0 76.6



#22

Diisopropyl ether

Concen: 5.04 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Tgt Ion: 45 Resp: 41306

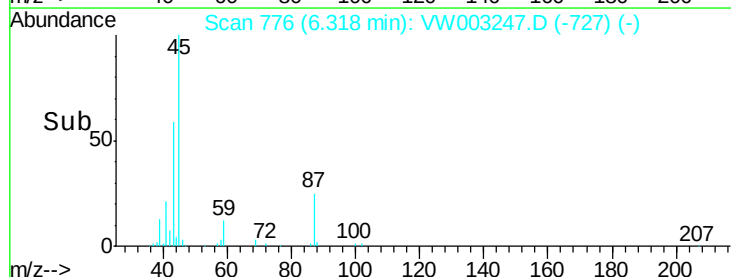
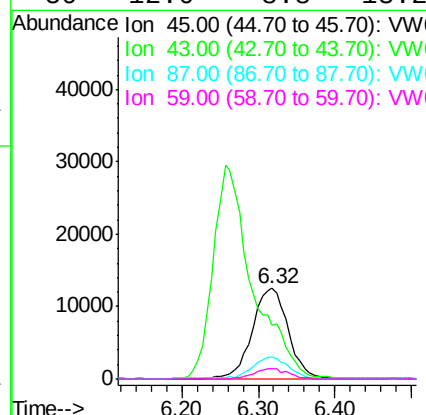
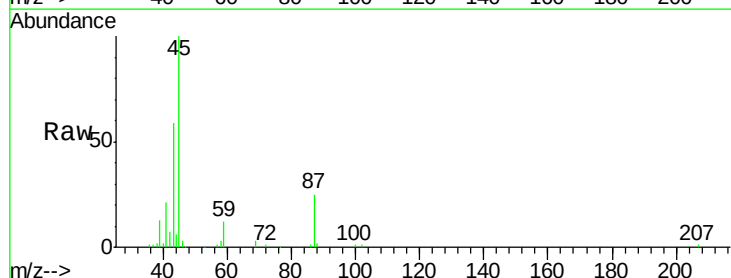
Ion Ratio Lower Upper

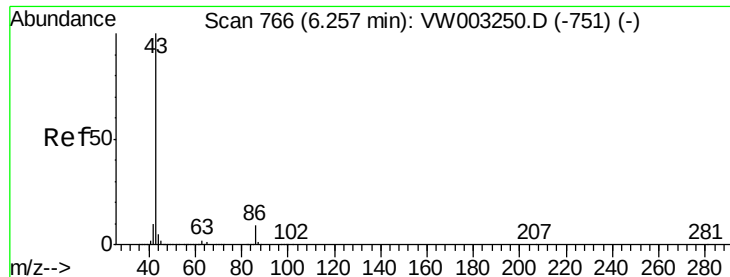
45 100

43 57.3 44.0 66.0

87 24.5 20.6 31.0

59 12.0 8.8 13.2





#23

Vinyl Acetate

Concen: 22.07 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

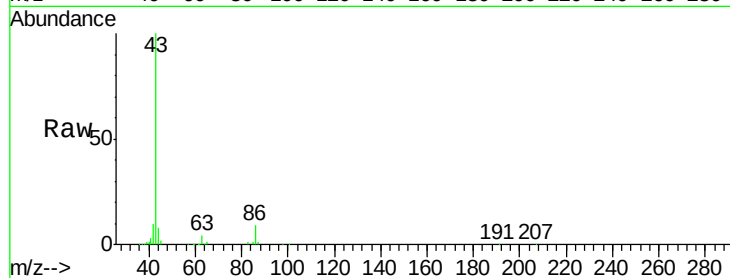
VSTDIC005

Tgt Ion: 43 Resp: 106482

Ion Ratio Lower Upper

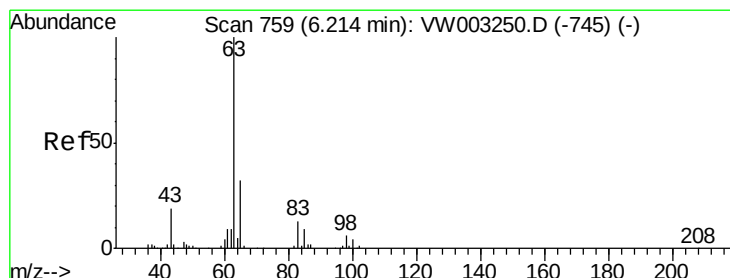
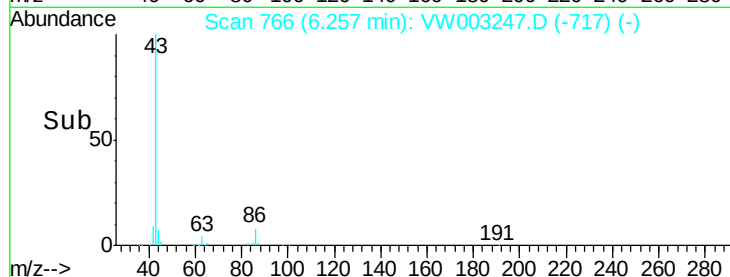
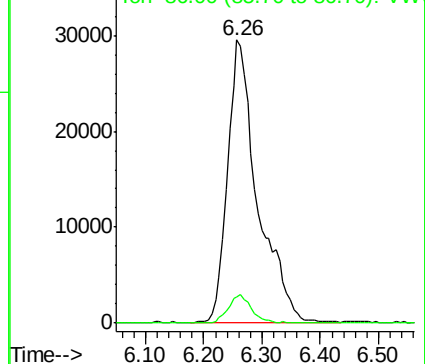
43 100

86 9.3 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.51 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

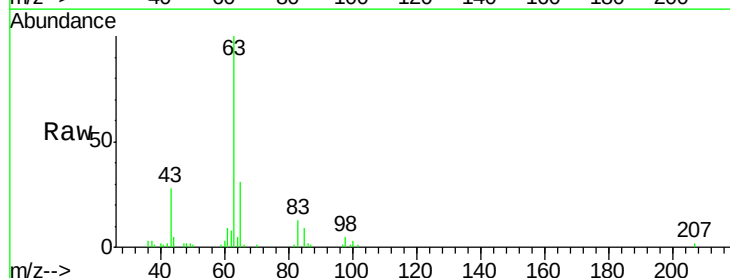
Tgt Ion: 63 Resp: 26601

Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.3

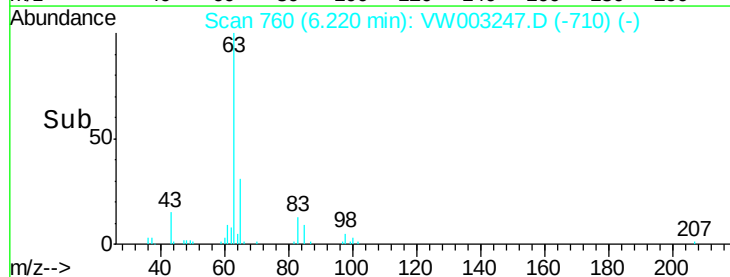
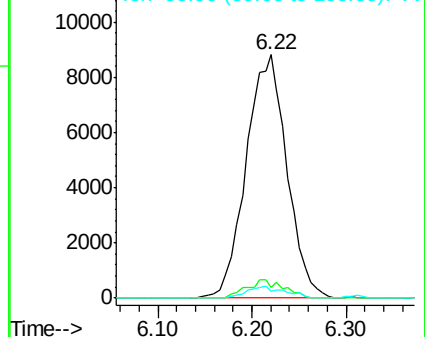
100 2.8 2.1 6.5

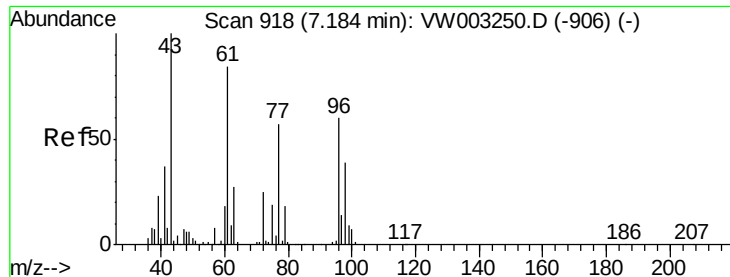


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 24.82 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

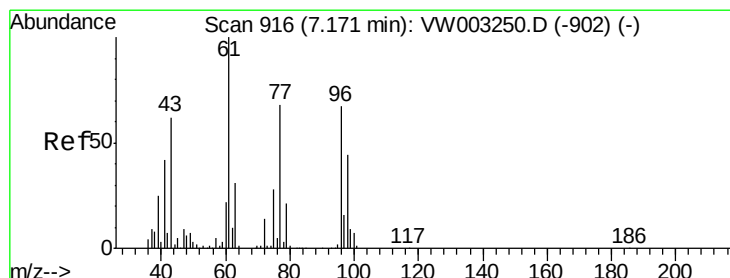
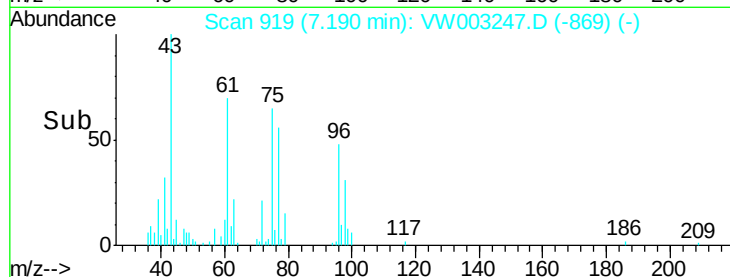
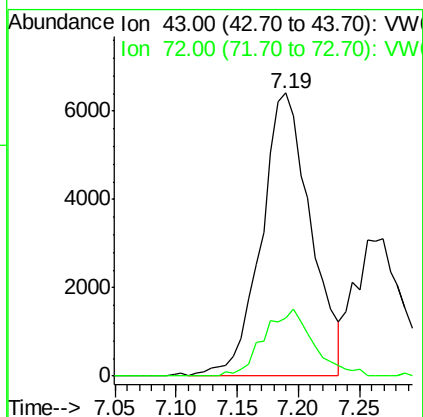
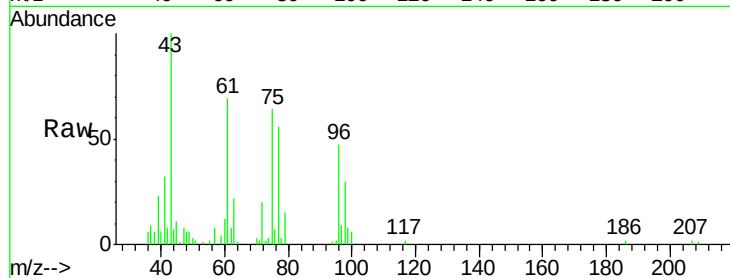
VSTDIC005

Tgt Ion: 43 Resp: 18074

Ion Ratio Lower Upper

43 100

72 20.4 20.3 30.5



#26

2,2-Dichloropropane

Concen: 6.31 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003247.D

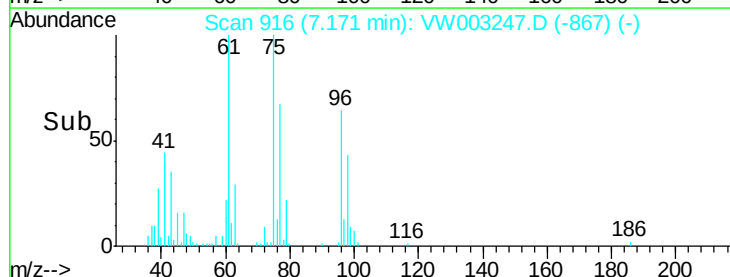
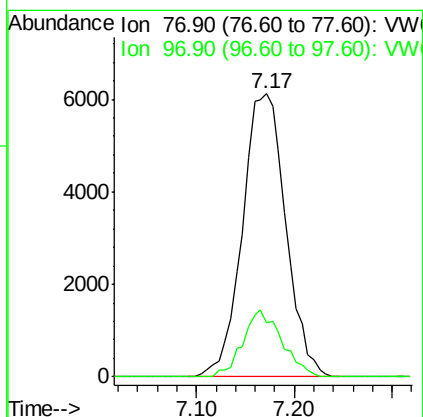
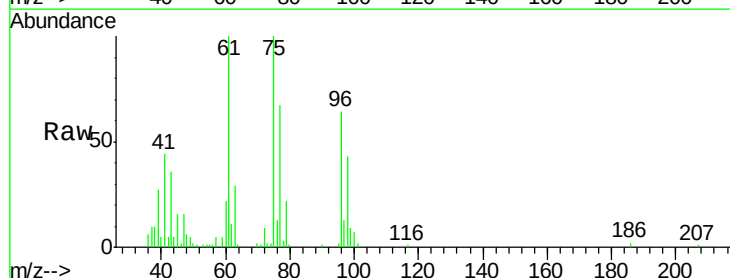
Acq: 13 Jun 2018 16:06

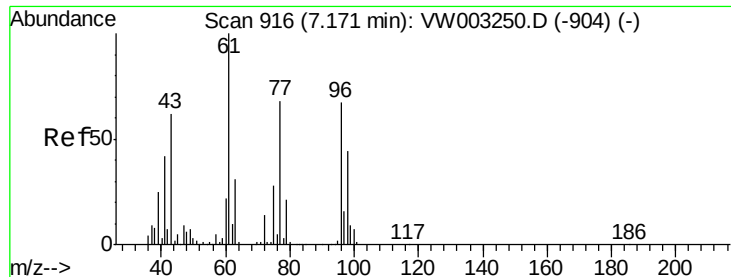
Tgt Ion: 77 Resp: 18807

Ion Ratio Lower Upper

77 100

97 21.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 5.24 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

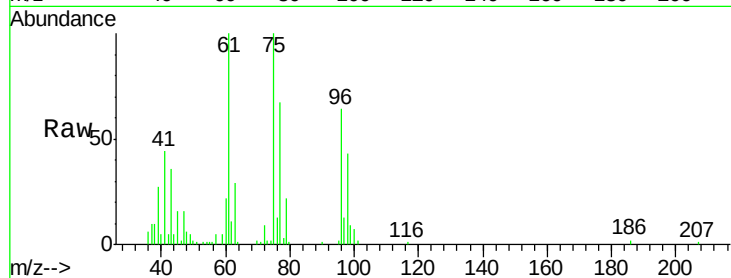
Tgt Ion: 96 Resp: 15200

Ion Ratio Lower Upper

96 100

61 155.2 0.0 298.8

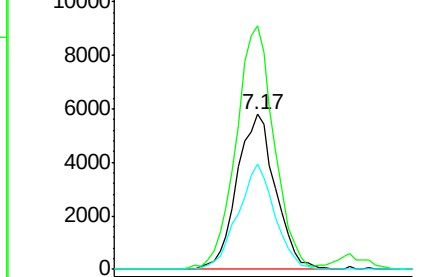
98 64.8 0.0 130.4



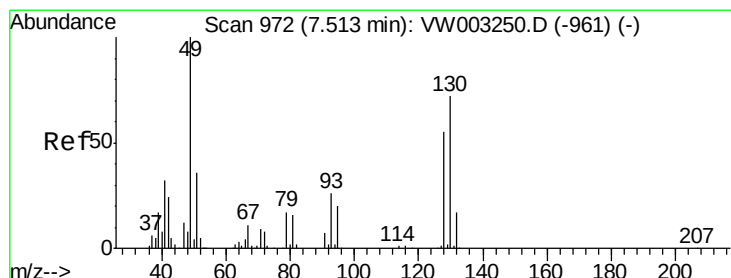
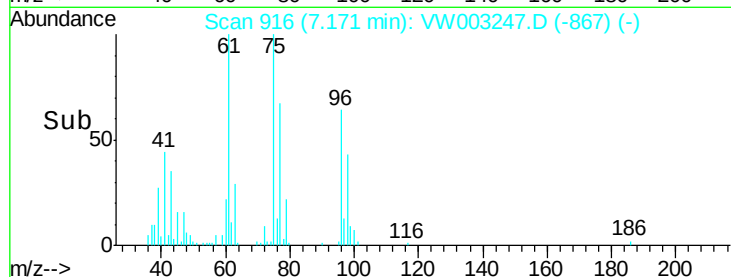
Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



Time-->



#28

Bromochloromethane

Concen: 5.24 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

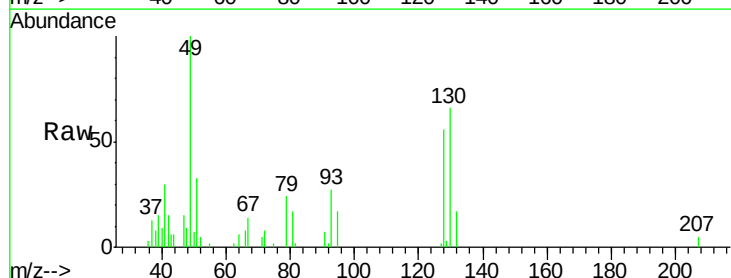
Tgt Ion: 49 Resp: 10211

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

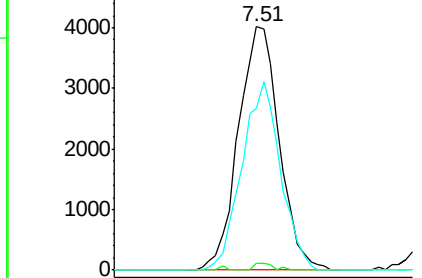
130 73.2 59.4 89.2



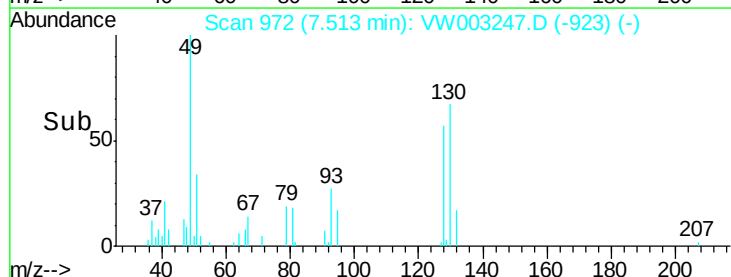
Abundance Ion 48.90 (48.60 to 49.60): VW

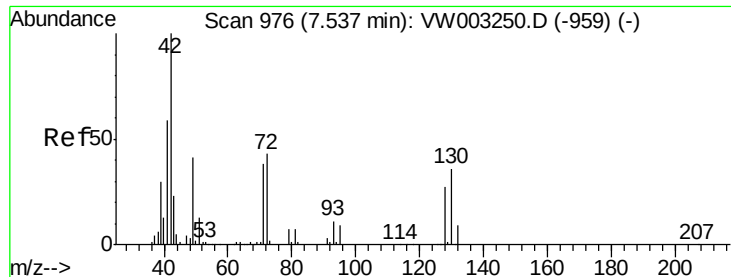
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->

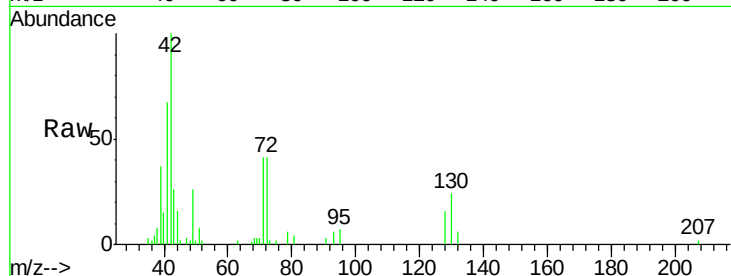




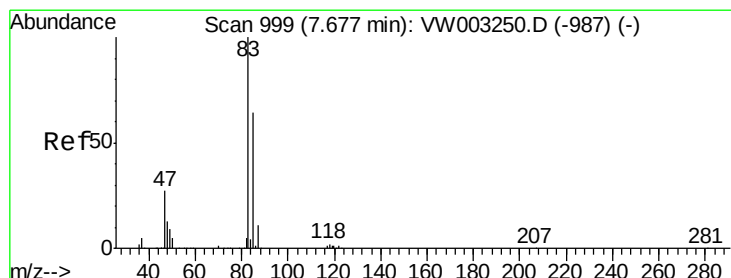
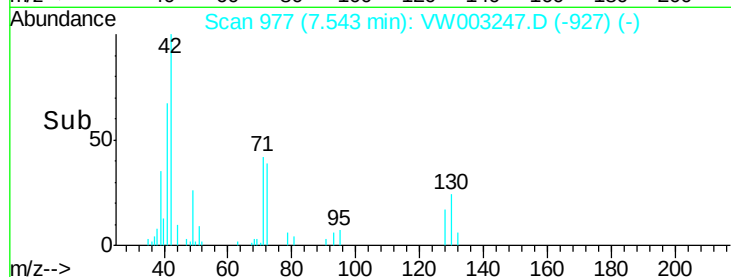
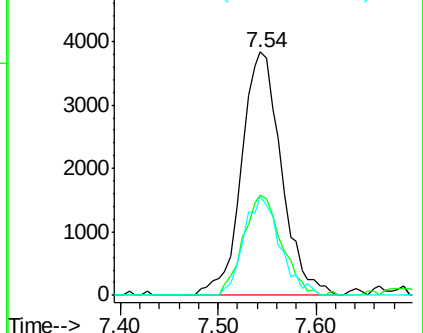
#29
Tetrahydrofuran
Concen: 23.13 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 10865
Ion Ratio Lower Upper
42 100
72 39.4 32.4 48.6
71 36.8 31.2 46.8

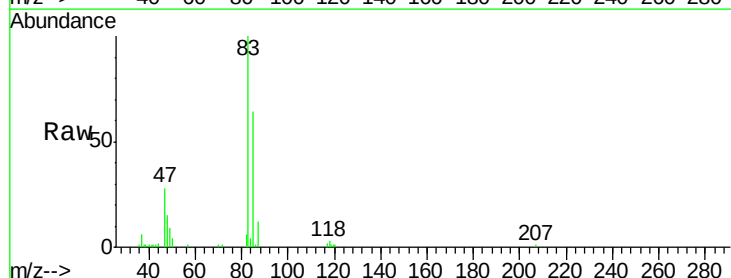


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

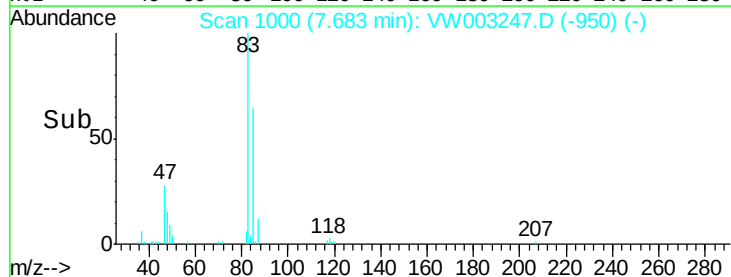
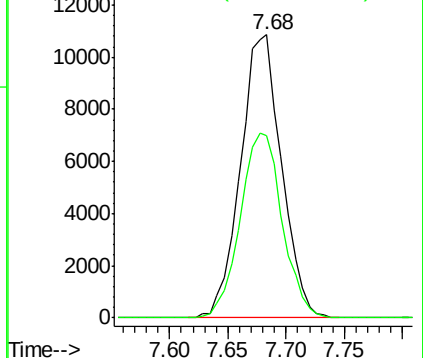


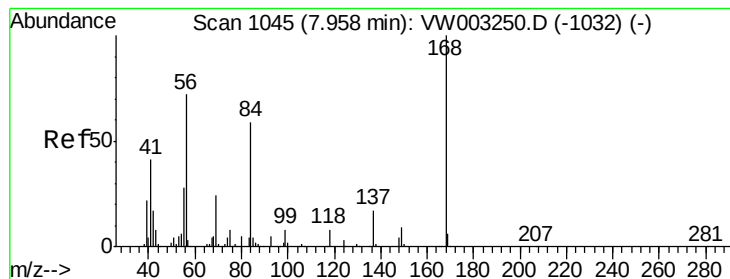
#30
Chloroform
Concen: 5.35 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 83 Resp: 26559
Ion Ratio Lower Upper
83 100
85 64.3 51.3 76.9



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





#31

Cyclohexane

Concen: 6.25 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

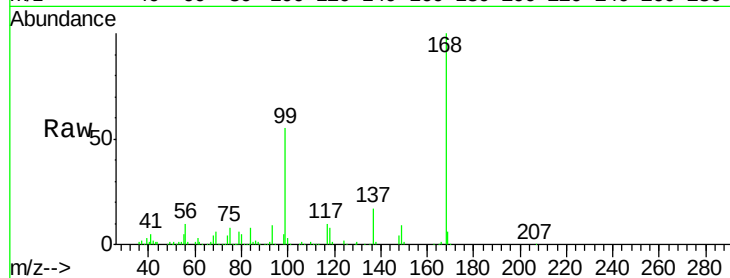
Tgt Ion: 56 Resp: 28510

Ion Ratio Lower Upper

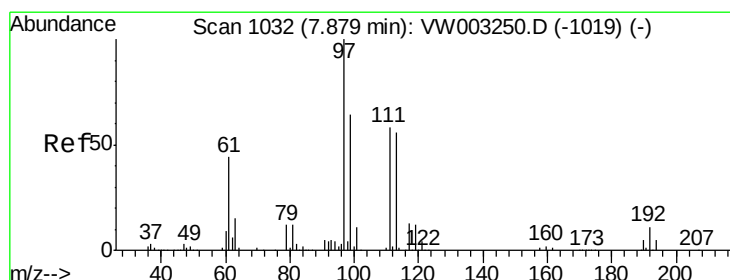
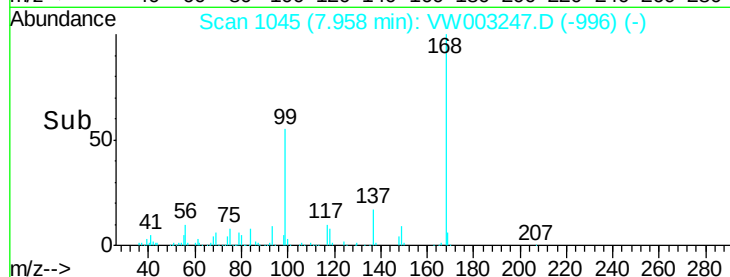
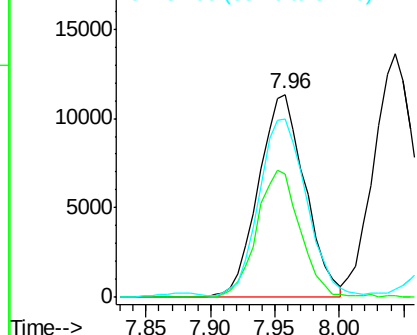
56 100

69 60.7 26.3 39.5#

84 85.9 65.7 98.5



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: 5.57 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

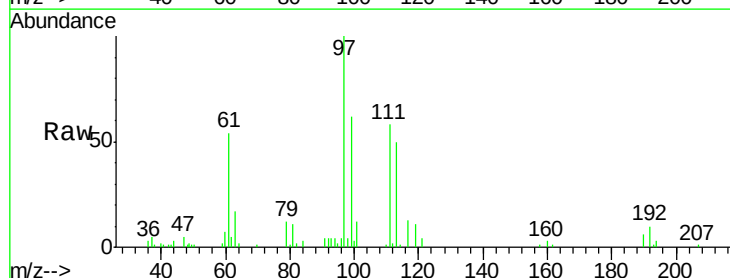
Tgt Ion: 97 Resp: 22395

Ion Ratio Lower Upper

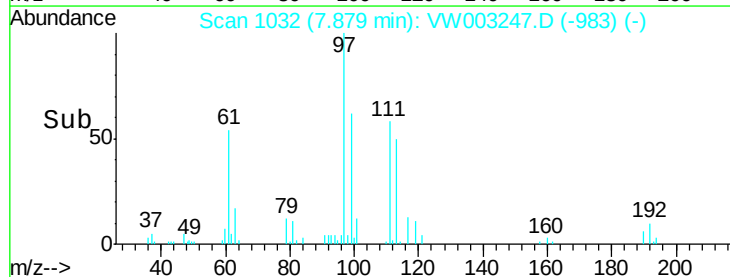
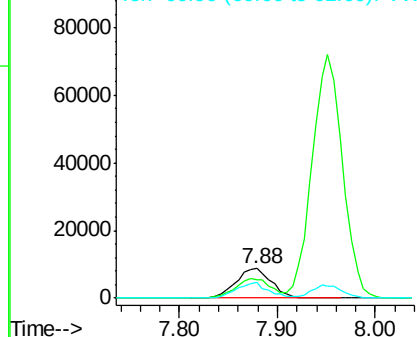
97 100

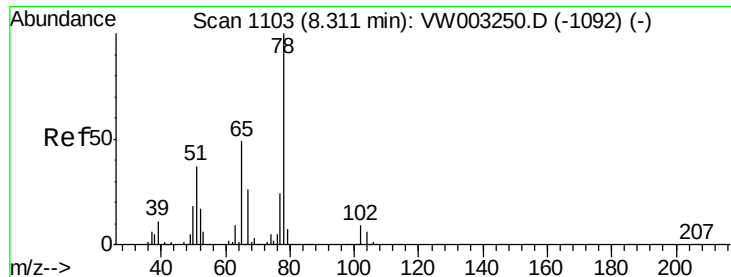
99 66.8 51.7 77.5

61 46.6 37.6 56.4



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

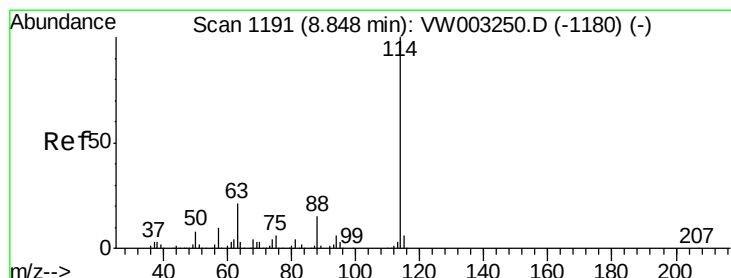
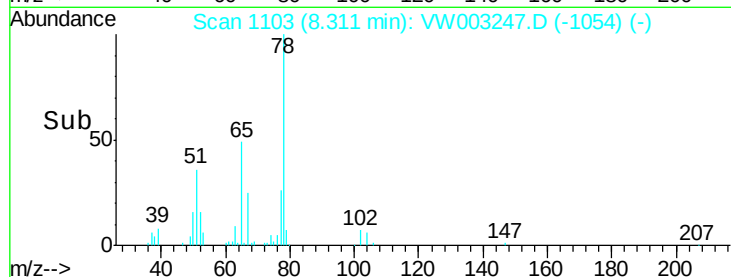
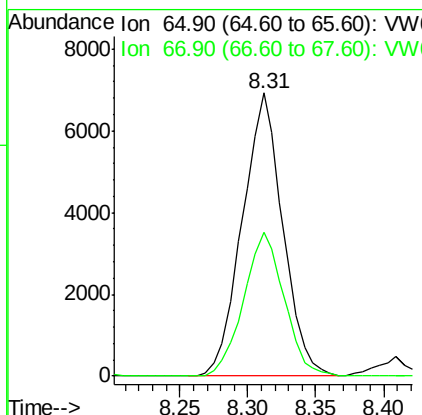
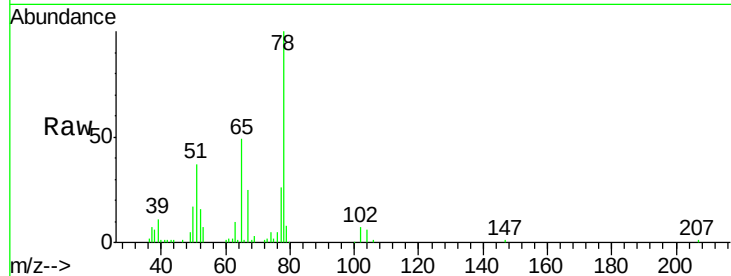




#33
 1,2-Dichloroethane-d4
 Concen: 5.42 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

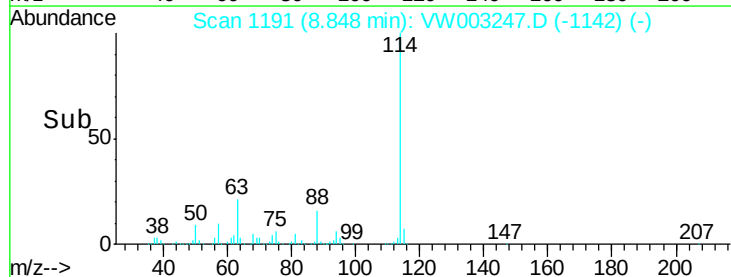
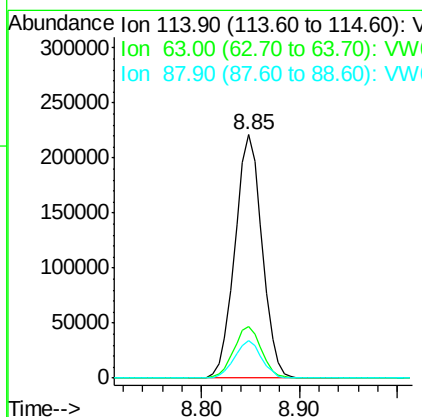
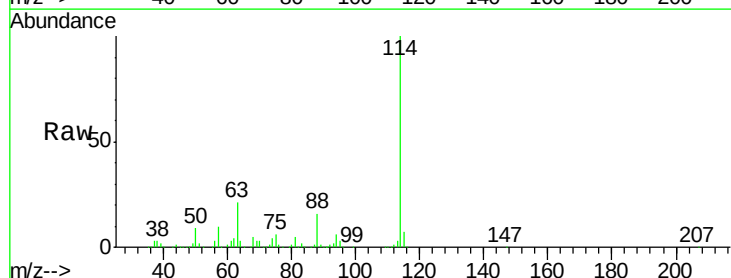
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

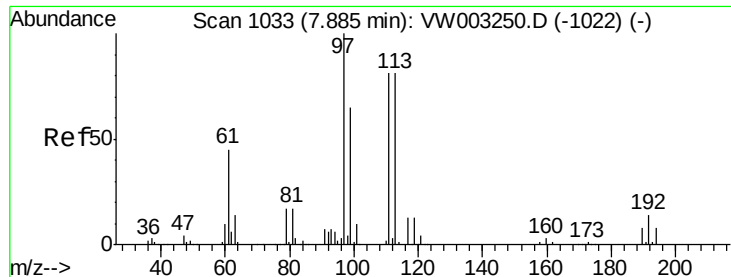
Tgt Ion: 65 Resp: 14419
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion: 114 Resp: 424682
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 15.6 0.0 29.6



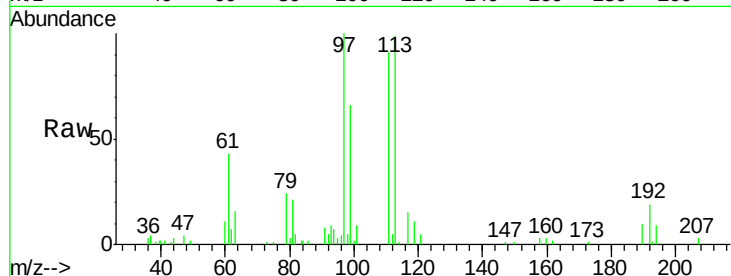


#35
Dibromofluoromethane
Concen: 5.13 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

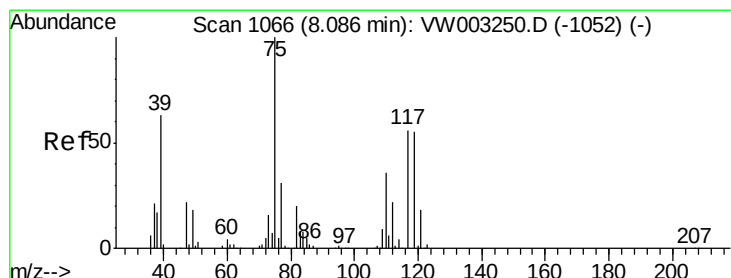
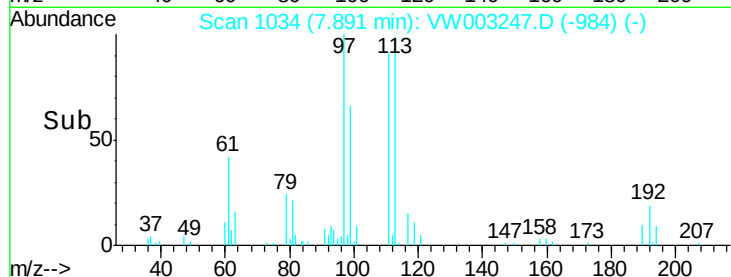
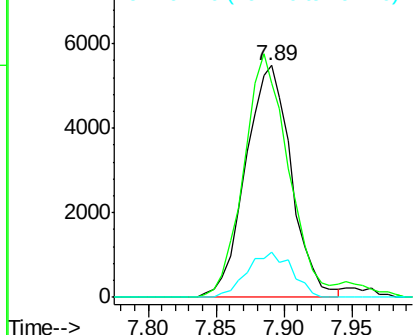
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 113 Resp: 12869

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	19.2	16.2	24.2



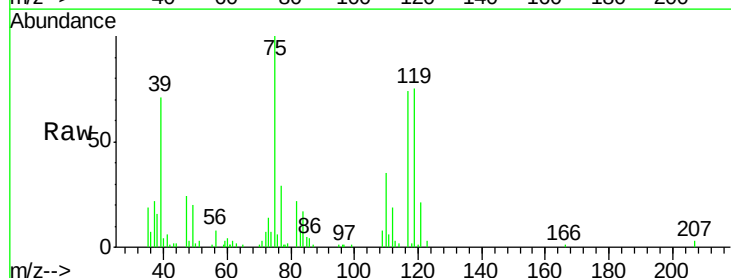
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



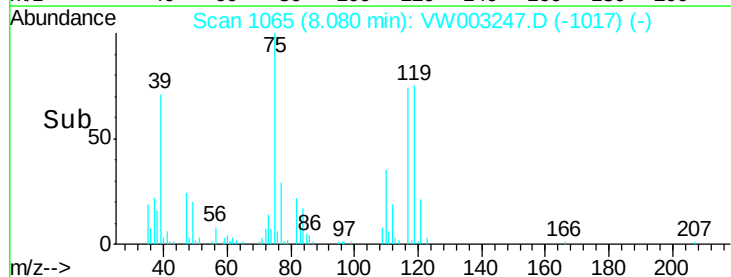
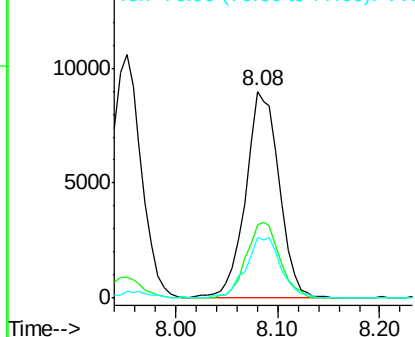
#36
1,1-Dichloropropene
Concen: 5.16 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

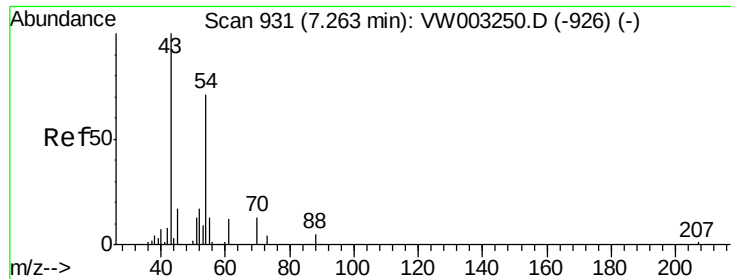
Tgt Ion: 75 Resp: 20581

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.1	51.3
77	30.9	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

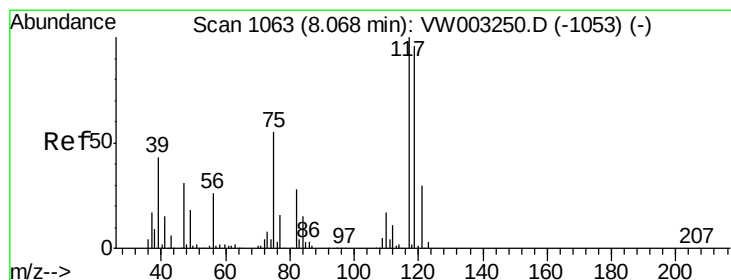
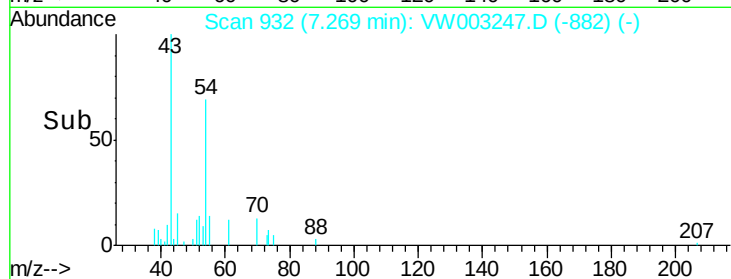
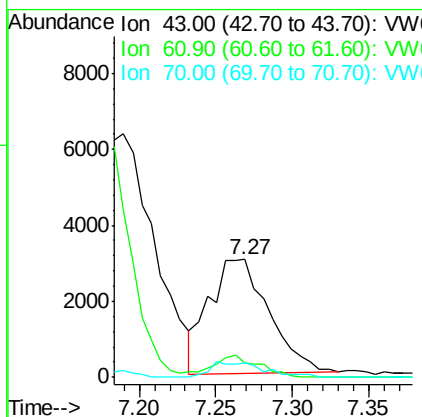
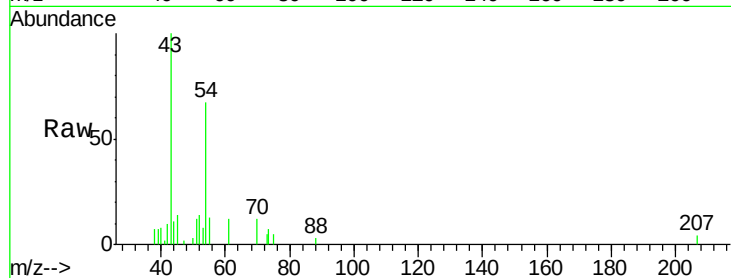




#37
 Ethyl Acetate
 Concen: 4.69 ug/l
 RT: 7.27 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

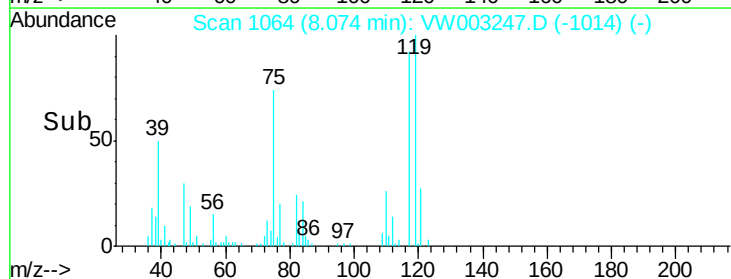
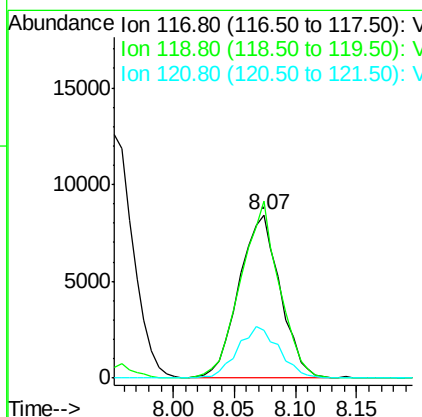
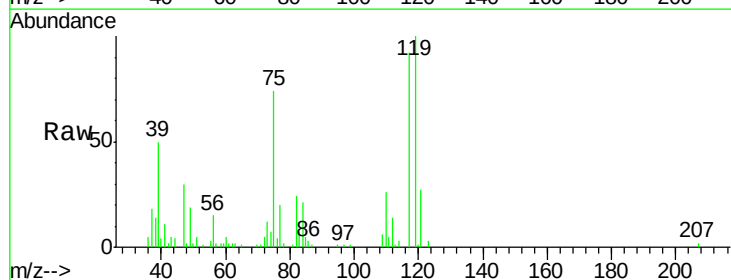
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

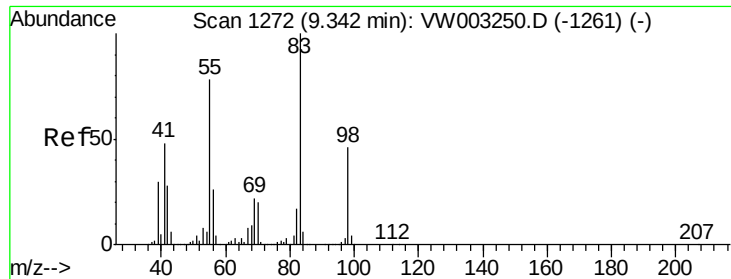
Tgt Ion: 43 Resp: 8223
 Ion Ratio Lower Upper
 43 100
 61 15.1 10.8 16.2
 70 11.8 7.8 11.6#



#38
 Carbon Tetrachloride
 Concen: 5.08 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion: 117 Resp: 19779
 Ion Ratio Lower Upper
 117 100
 119 108.5 76.6 115.0
 121 28.9 23.9 35.9

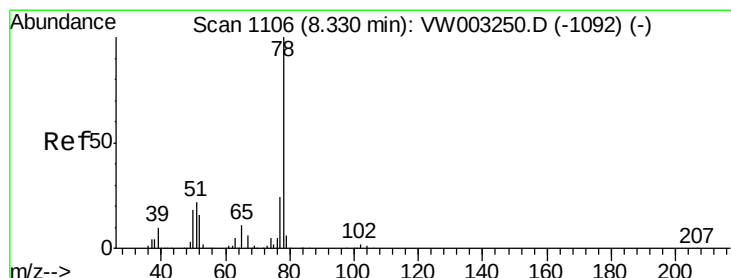
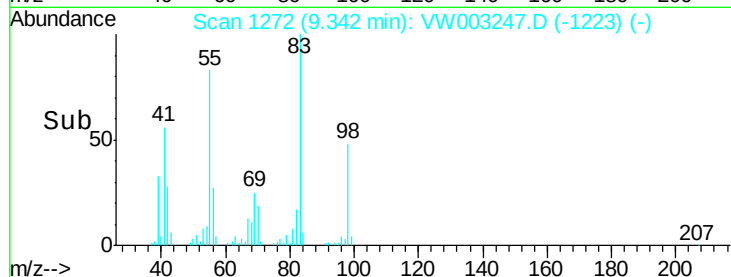
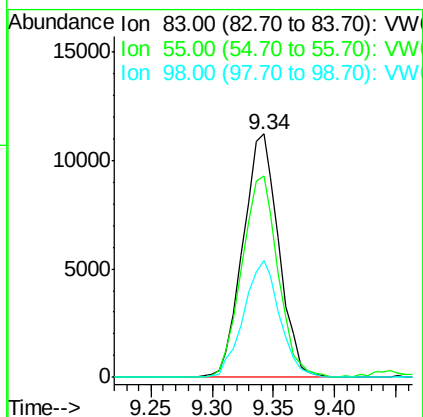
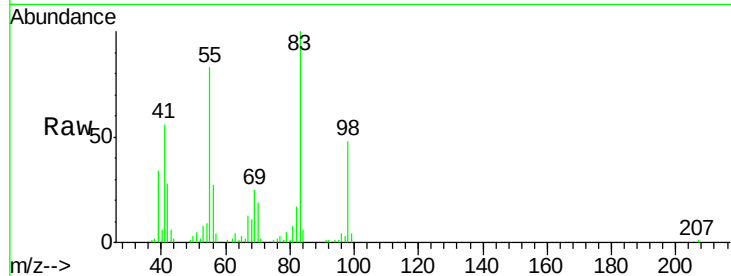




#39
Methylcyclohexane
Concen: 4.82 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

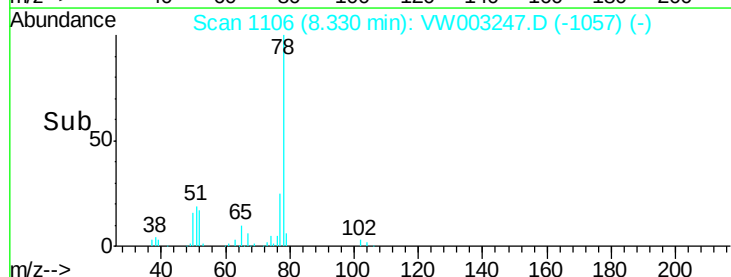
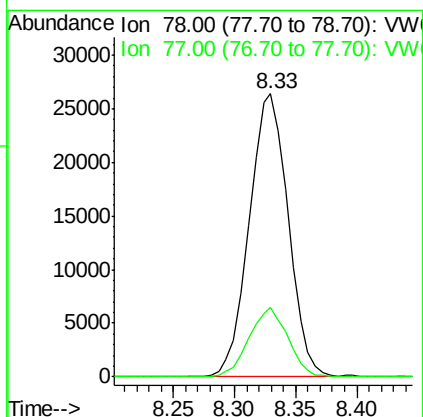
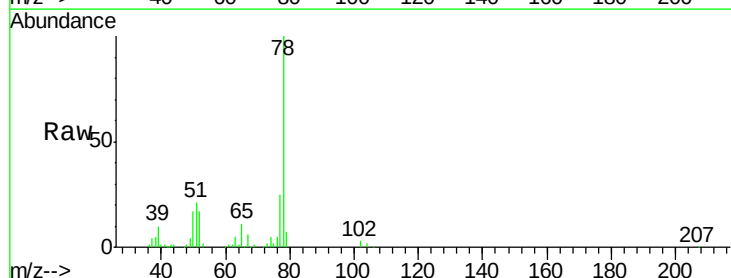
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

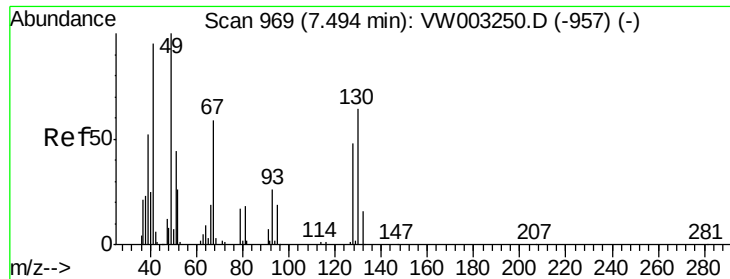
Tgt Ion: 83 Resp: 22812
Ion Ratio Lower Upper
83 100
55 82.8 62.6 93.8
98 47.8 37.0 55.4



#40
Benzene
Concen: 5.24 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 78 Resp: 58509
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

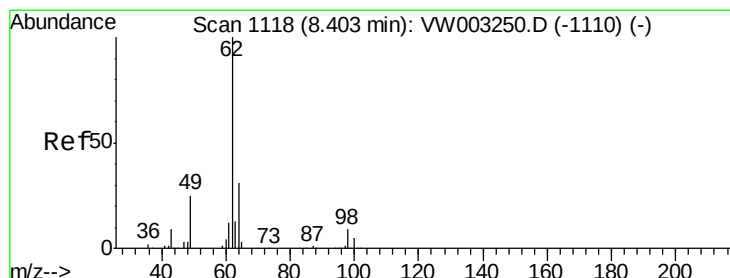
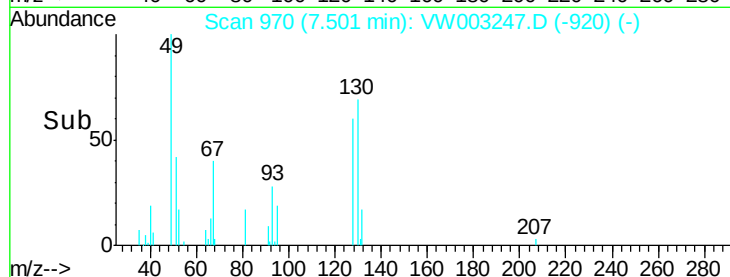
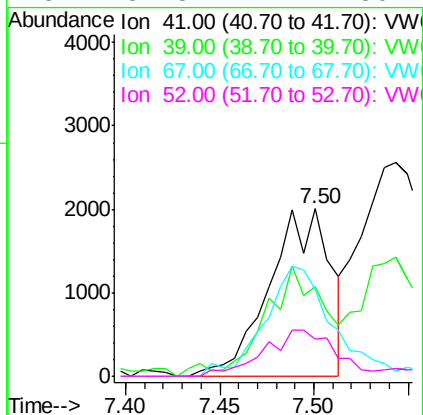
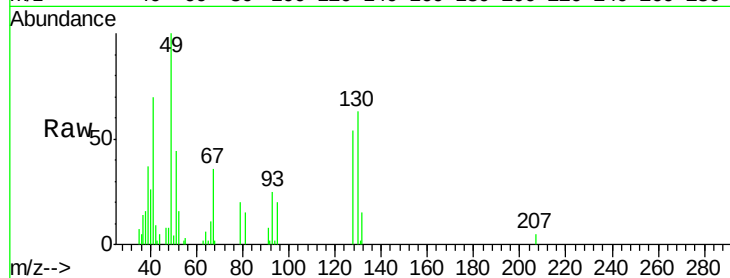




#41
Methacrylonitrile
Concen: 4.48 ug/l
RT: 7.50 min Scan# 970
Delta R.T. 0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

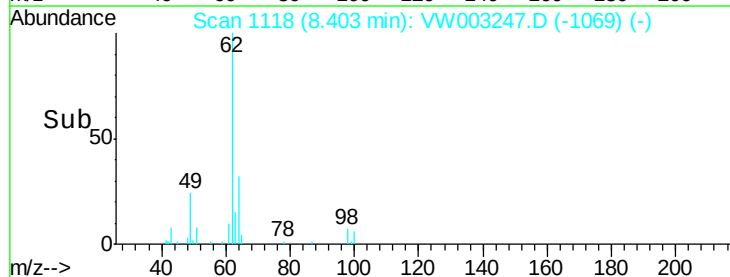
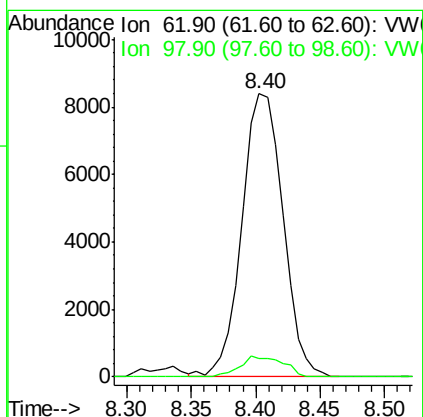
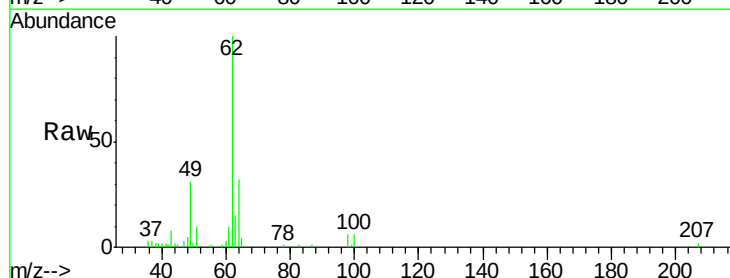
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

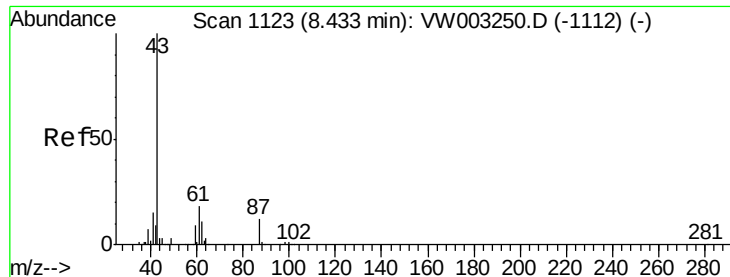
Tgt Ion:	41	Resp:	4510
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.8	68.8
67	73.6	52.3	78.5
52	31.8	24.1	36.1



#42
1,2-Dichloroethane
Concen: 5.35 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion:	62	Resp:	18576
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.73 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

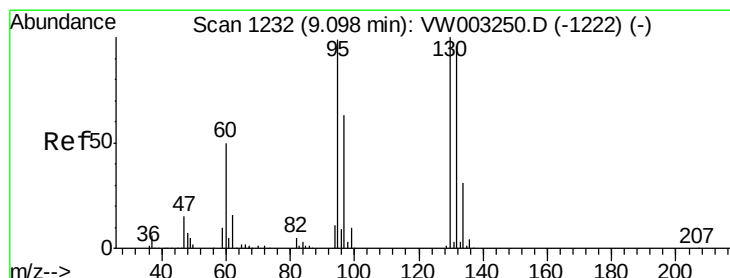
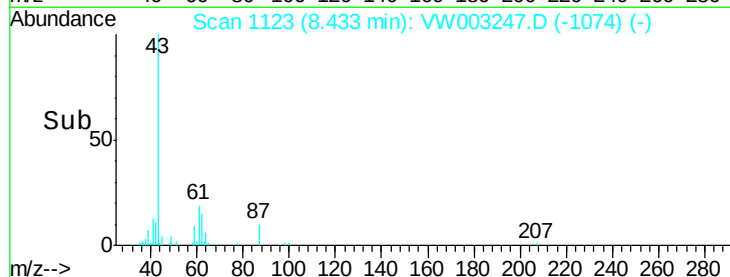
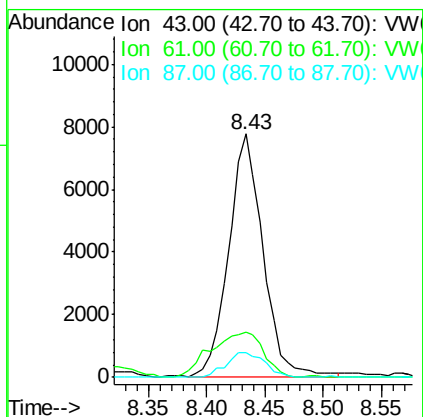
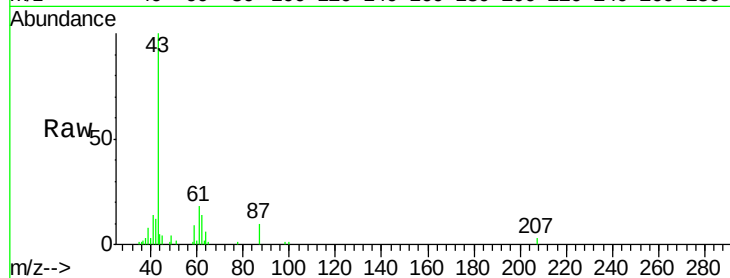
Tgt Ion: 43 Resp: 16040

Ion Ratio Lower Upper

43 100

61 28.2 23.1 34.7

87 11.4 9.8 14.6



#44

Trichloroethene

Concen: 5.17 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003247.D

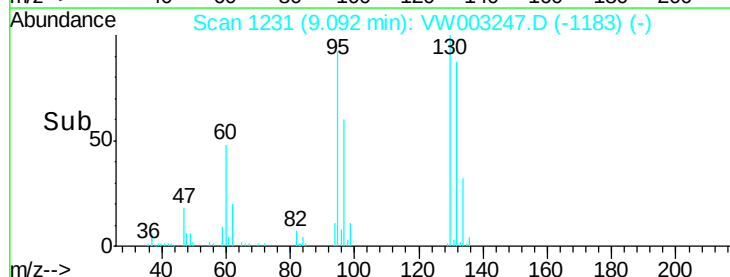
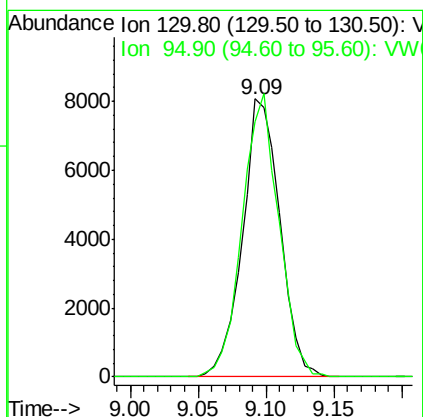
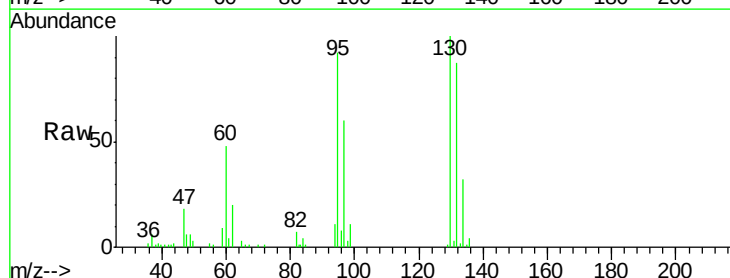
Acq: 13 Jun 2018 16:06

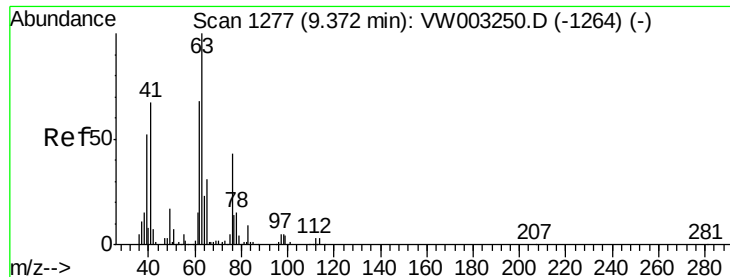
Tgt Ion: 130 Resp: 15564

Ion Ratio Lower Upper

130 100

95 92.0 0.0 198.0





#45

1,2-Dichloropropane

Concen: 5.35 ug/l

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

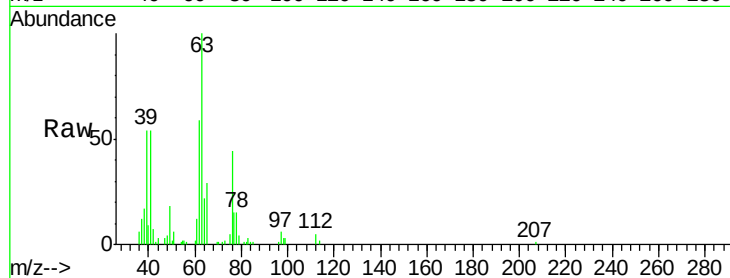
VSTDIC005

Tgt Ion: 63 Resp: 15001

Ion Ratio Lower Upper

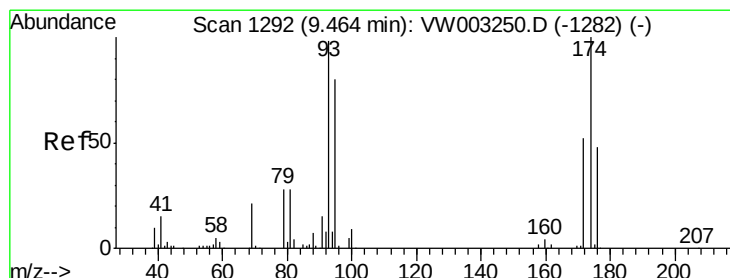
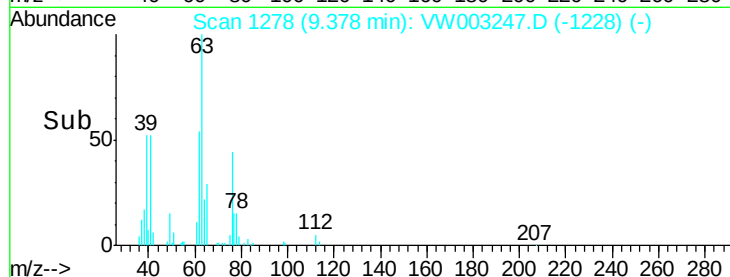
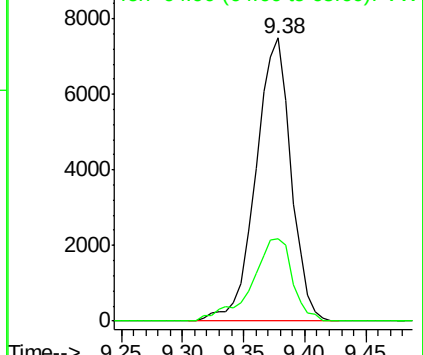
63 100

65 28.9 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 4.97 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

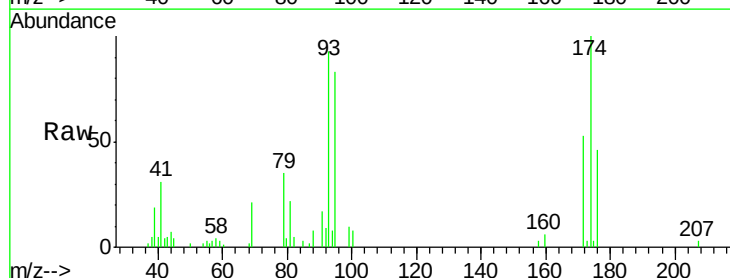
Tgt Ion: 93 Resp: 7461

Ion Ratio Lower Upper

93 100

95 86.5 65.8 98.8

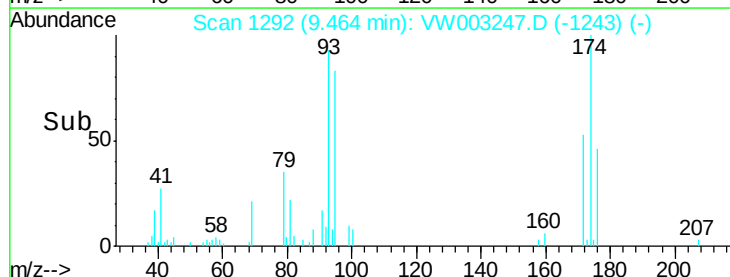
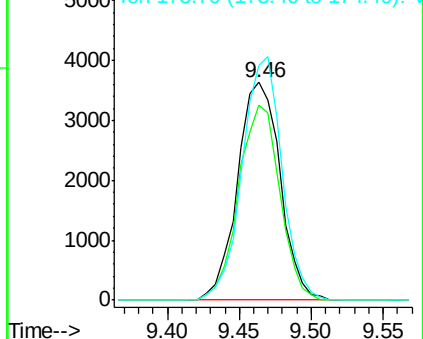
174 103.8 81.4 122.0

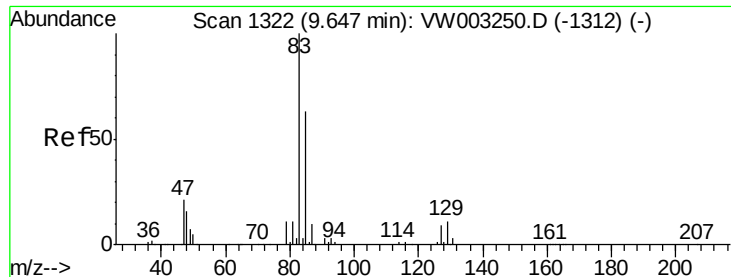


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.14 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

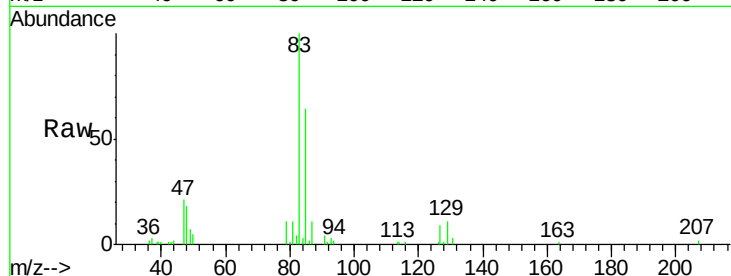
Tgt Ion: 83 Resp: 18813

Ion Ratio Lower Upper

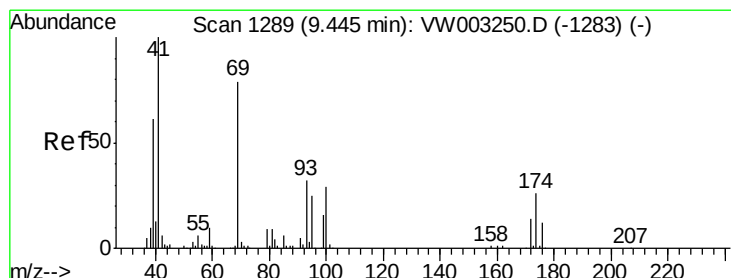
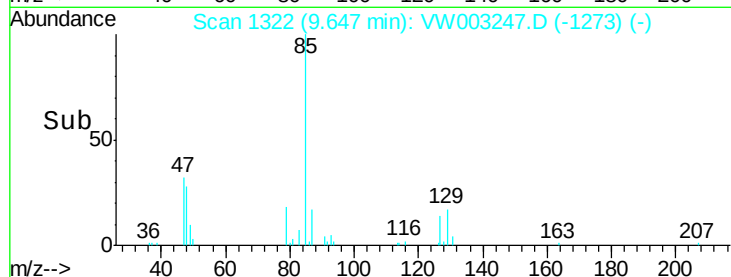
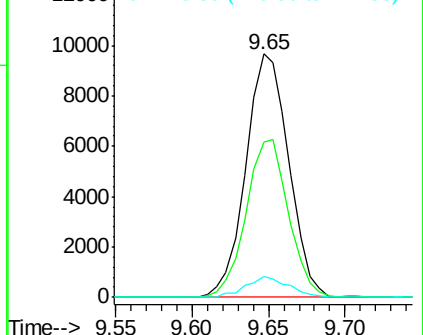
83 100

85 64.0 50.6 75.8

127 8.8 6.8 10.2



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: 4.23 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

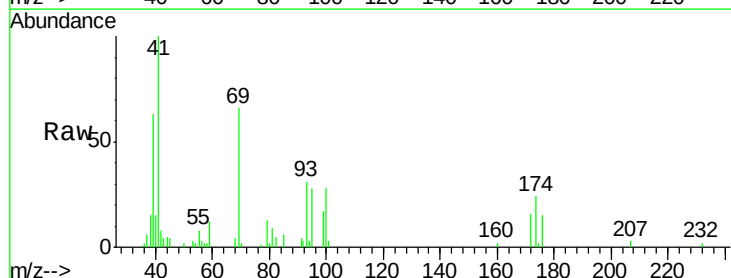
Tgt Ion: 41 Resp: 6826

Ion Ratio Lower Upper

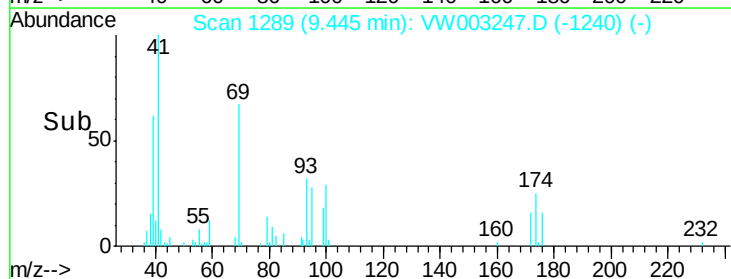
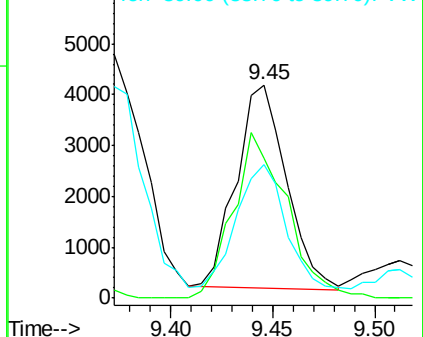
41 100

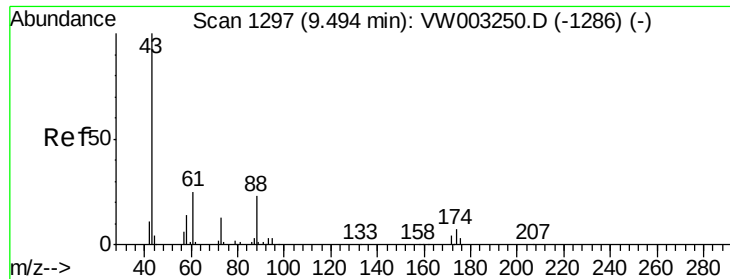
69 87.0 65.4 98.2

39 72.6 54.2 81.2



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

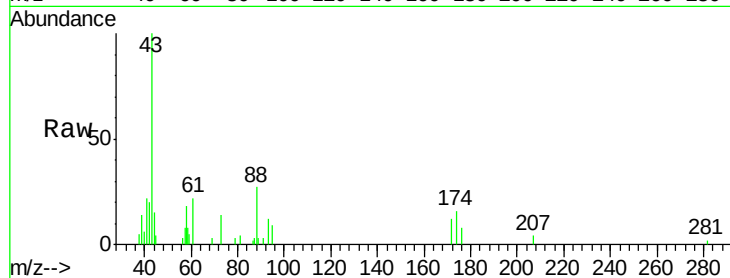




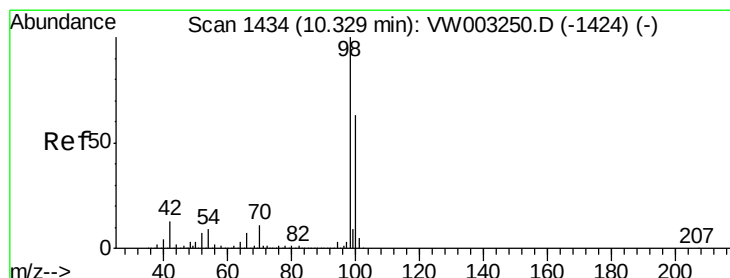
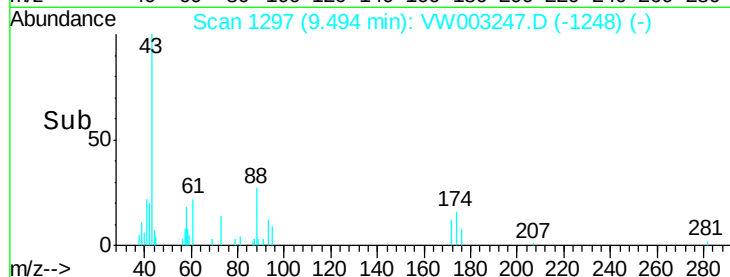
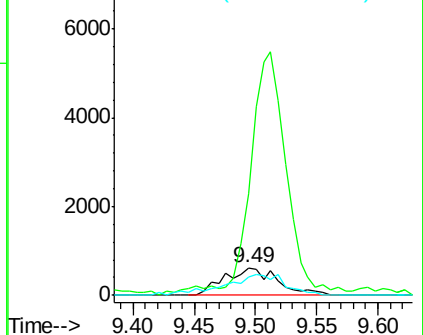
#49
1,4-Dioxane
Concen: 81.83 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 1902
Ion Ratio Lower Upper
88 100
43 0.0 454.7 682.1#
58 0.0 58.6 88.0#

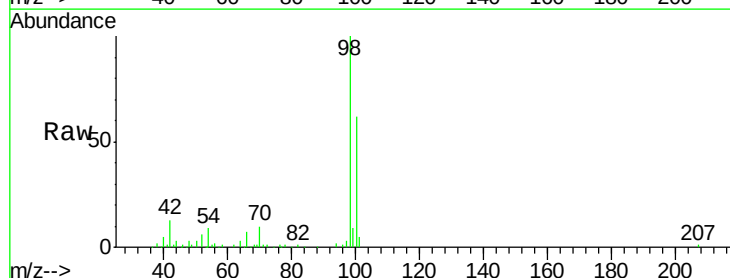


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

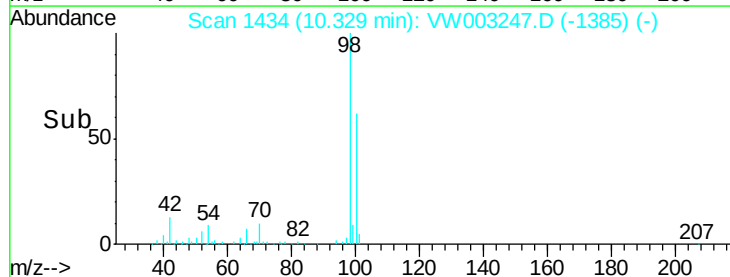
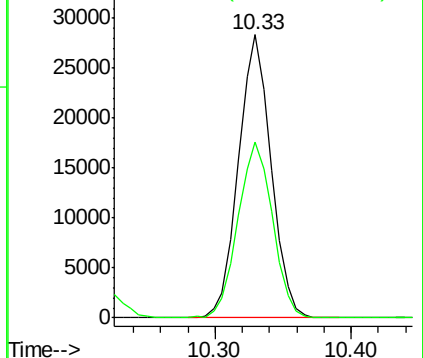


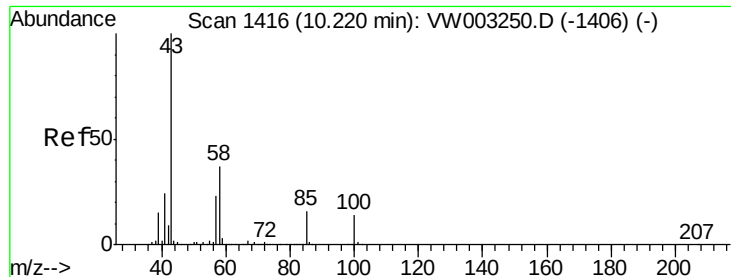
#50
Toluene-d8
Concen: 4.87 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 98 Resp: 47450
Ion Ratio Lower Upper
98 100
100 66.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 22.16 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

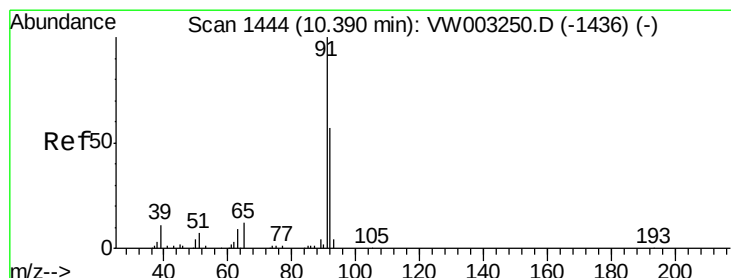
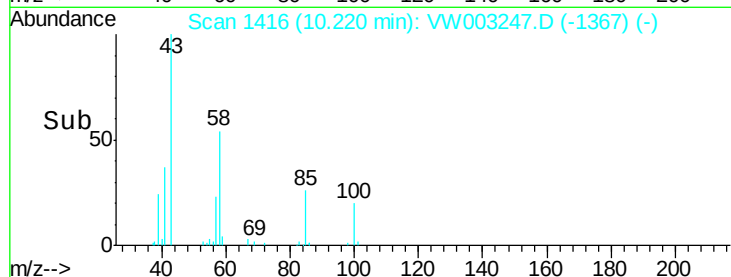
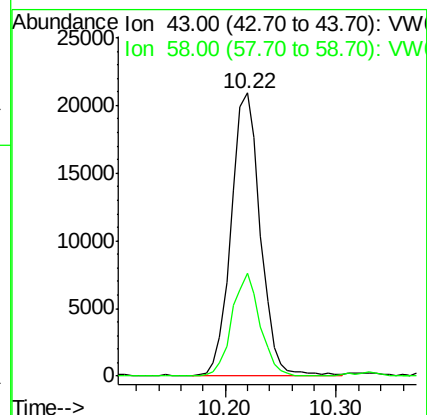
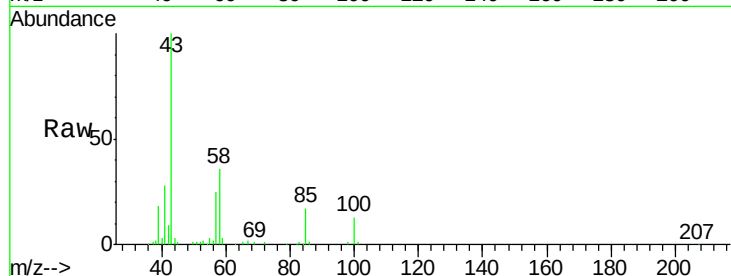
VSTDIC005

Tgt Ion: 43 Resp: 38206

Ion Ratio Lower Upper

43 100

58 34.7 29.0 43.4



#52

Toluene

Concen: 5.00 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW003247.D

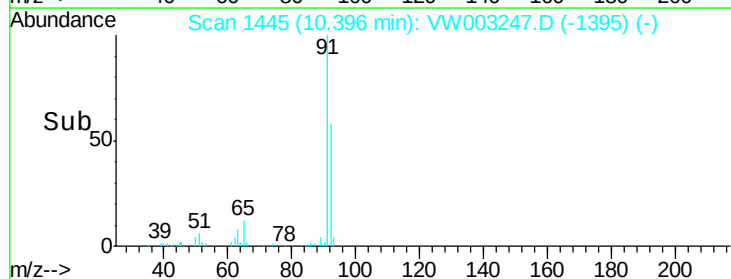
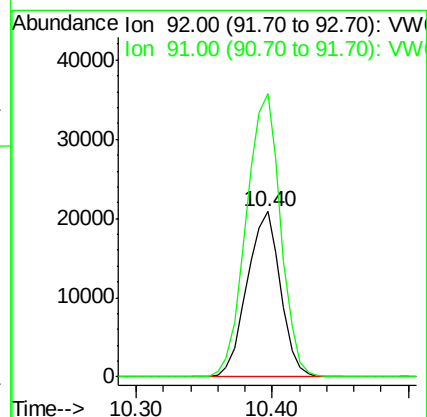
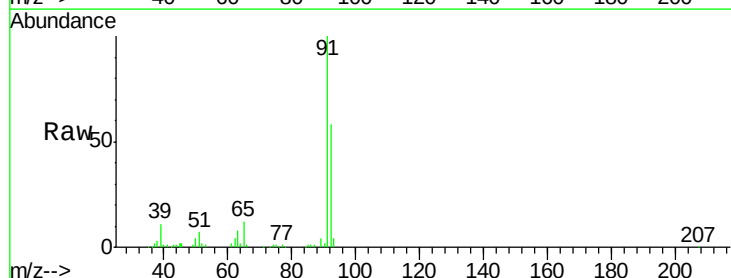
Acq: 13 Jun 2018 16:06

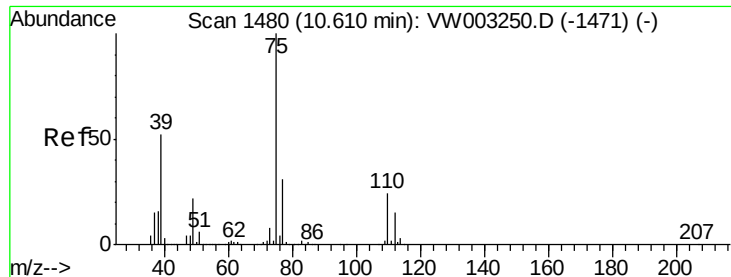
Tgt Ion: 92 Resp: 35887

Ion Ratio Lower Upper

92 100

91 175.7 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 4.93 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

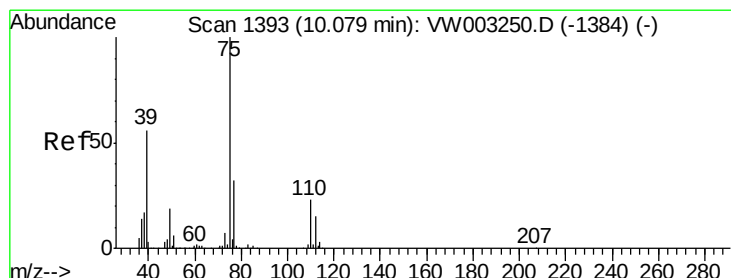
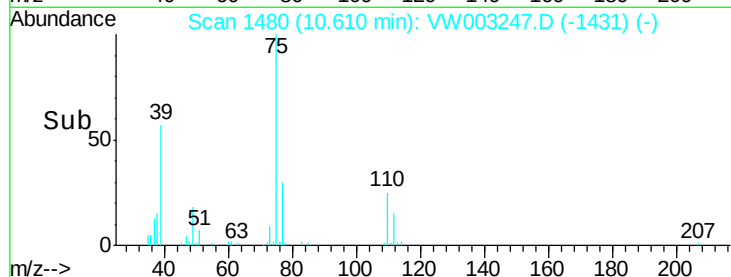
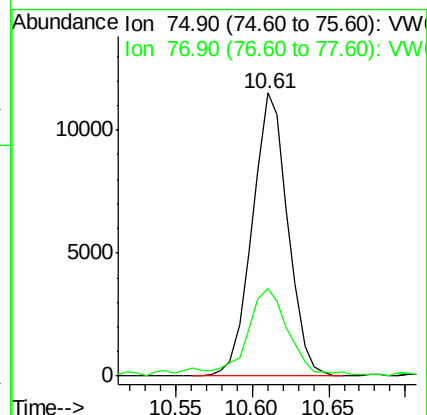
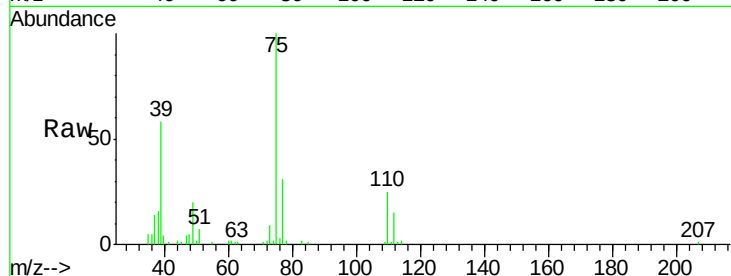
VSTDIC005

Tgt Ion: 75 Resp: 18587

Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 4.93 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

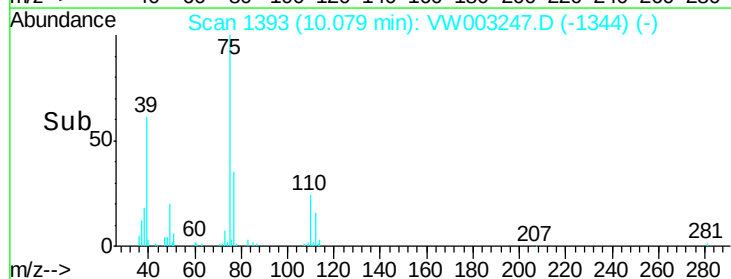
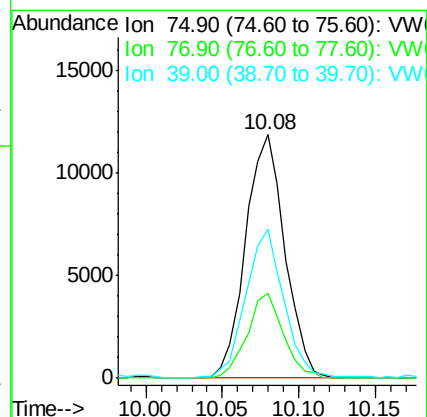
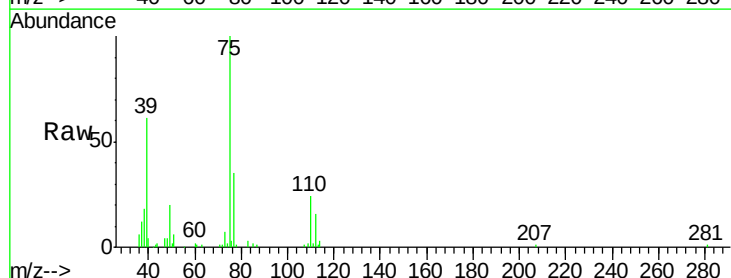
Tgt Ion: 75 Resp: 21158

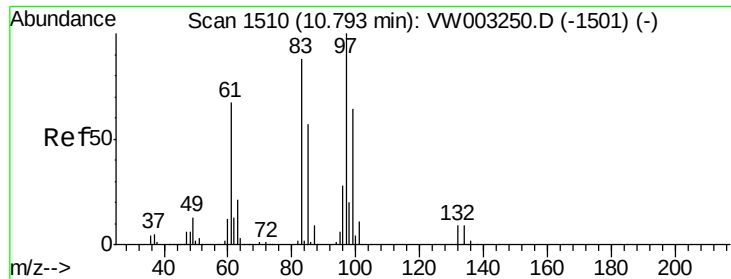
Ion Ratio Lower Upper

75 100

77 34.9 25.8 38.6

39 61.2 45.2 67.8

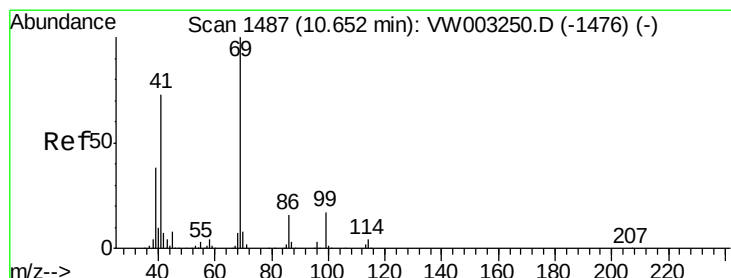
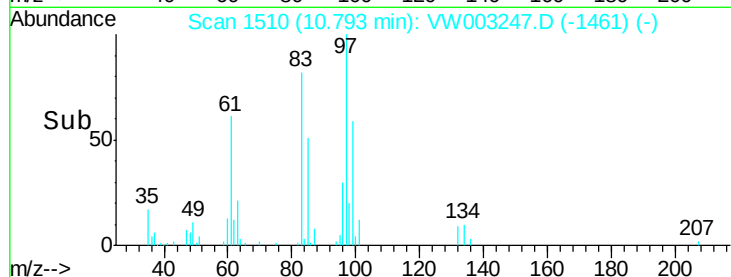
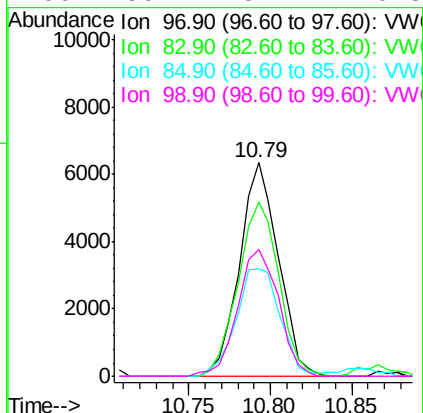
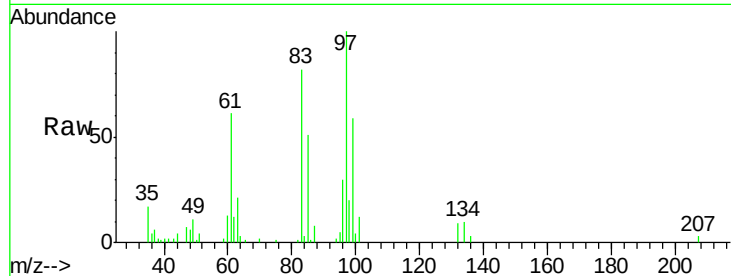




#55
 1,1,2-Trichloroethane
 Concen: 5.08 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

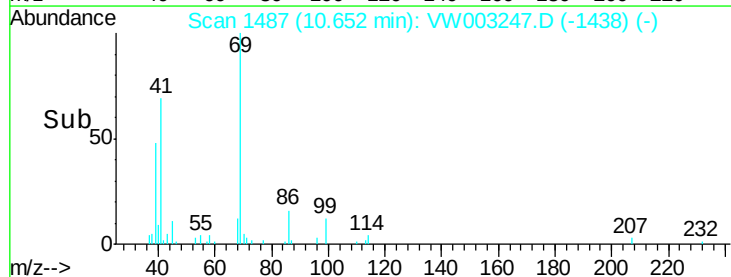
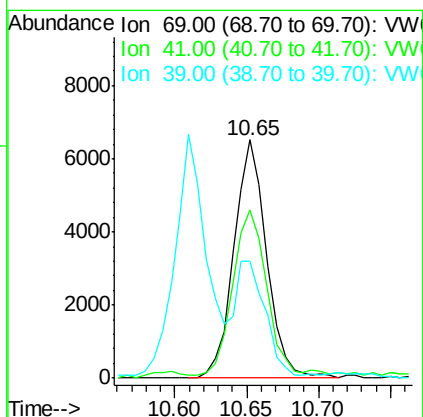
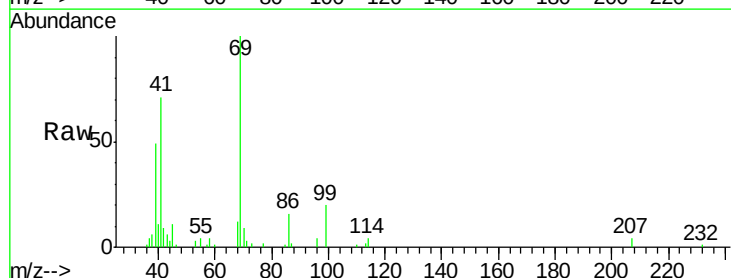
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

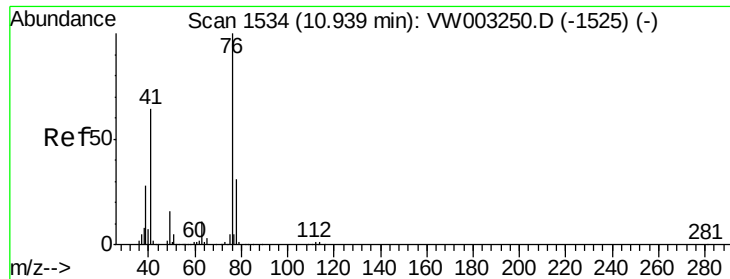
Tgt Ion:	97	Resp:	10520
Ion	Ratio	Lower	Upper
97	100		
83	81.7	70.2	105.2
85	50.6	45.6	68.4
99	59.2	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 4.00 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion:	69	Resp:	10287
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.8	86.6
39	46.7	32.7	49.1





#57

1,3-Dichloropropane

Concen: 4.88 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

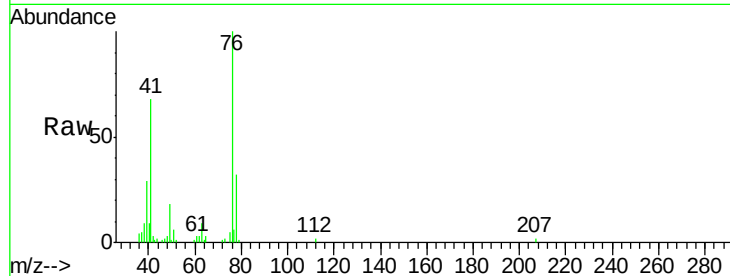
VSTDIC005

Tgt Ion: 76 Resp: 17463

Ion Ratio Lower Upper

76 100

78 33.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.94

12000

10000

8000

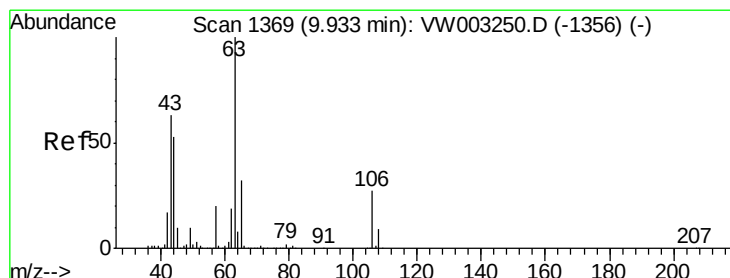
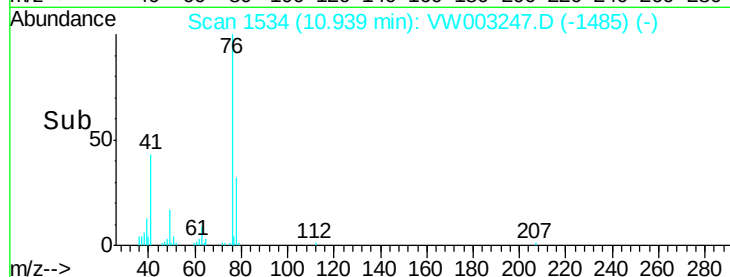
6000

4000

2000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 21.69 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW003247.D

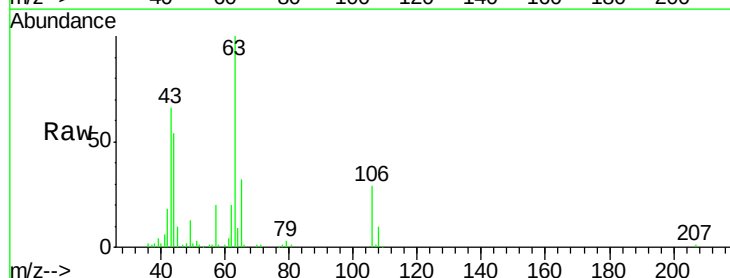
Acq: 13 Jun 2018 16:06

Tgt Ion: 63 Resp: 25413

Ion Ratio Lower Upper

63 100

106 28.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

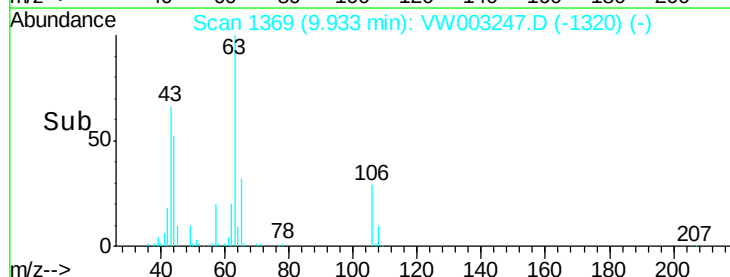
15000

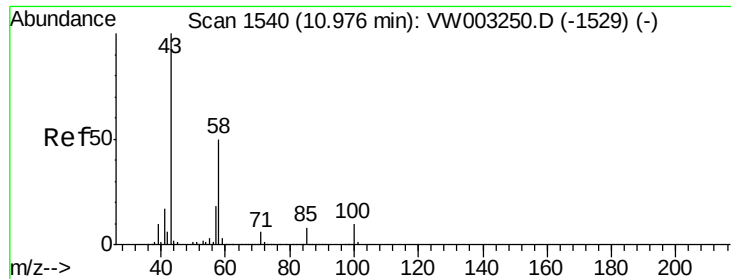
10000

5000

0

Time-->

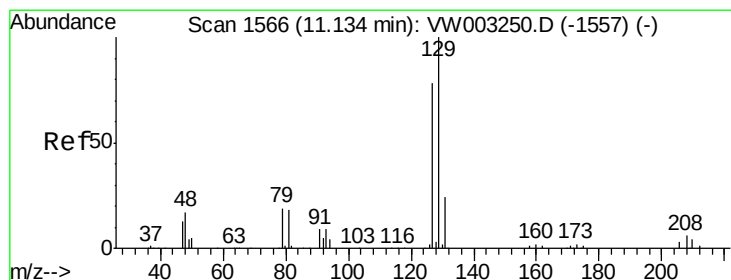
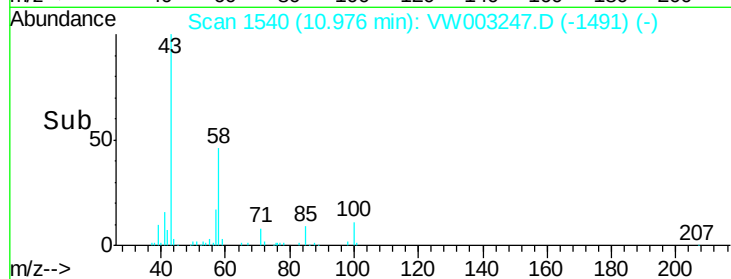
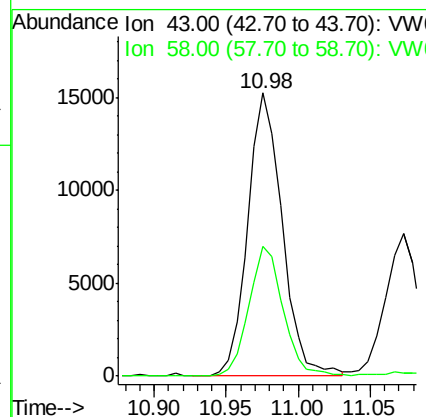
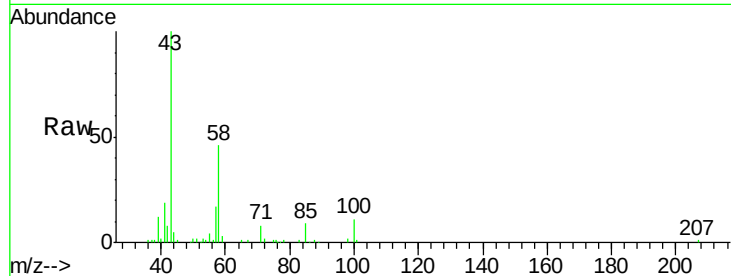




#59
2-Hexanone
Concen: 21.54 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

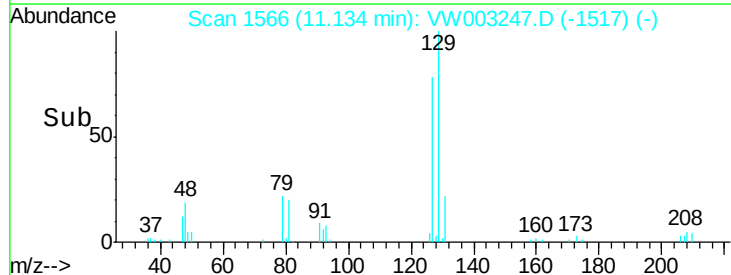
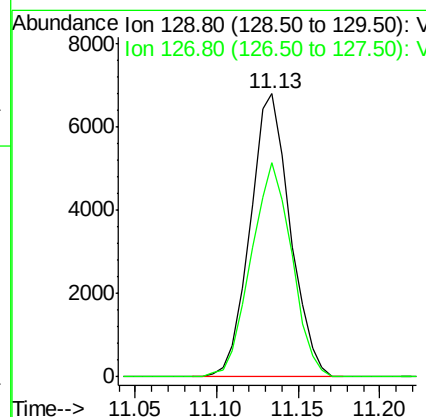
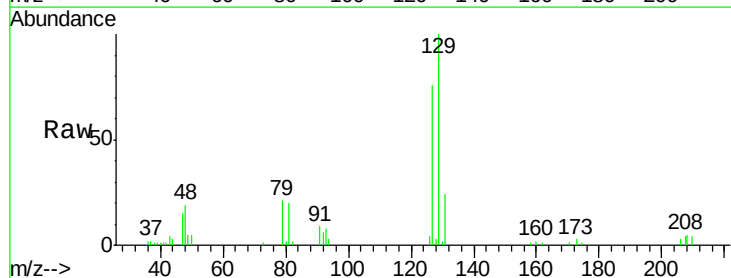
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

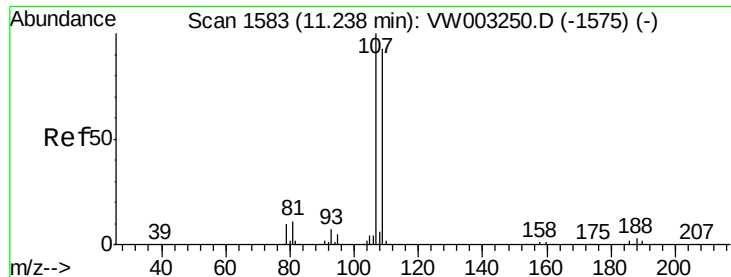
Tgt Ion: 43 Resp: 25264
Ion Ratio Lower Upper
43 100
58 45.5 25.0 75.0



#60
Dibromochloromethane
Concen: 4.65 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 129 Resp: 11583
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.5

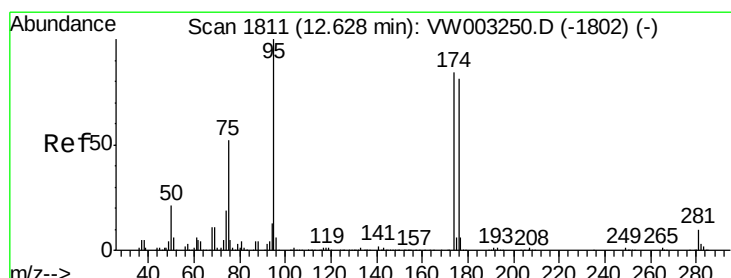
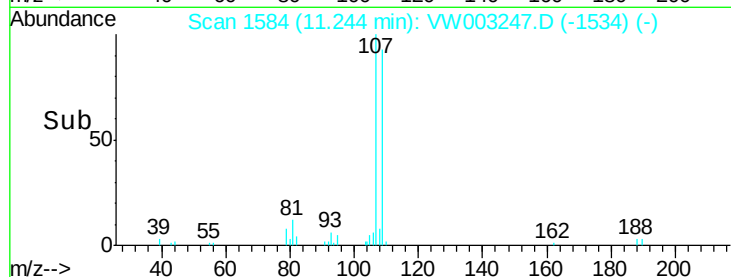
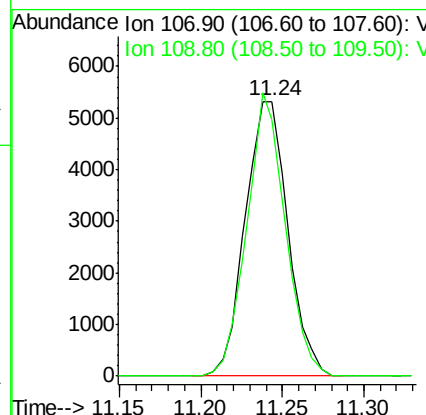
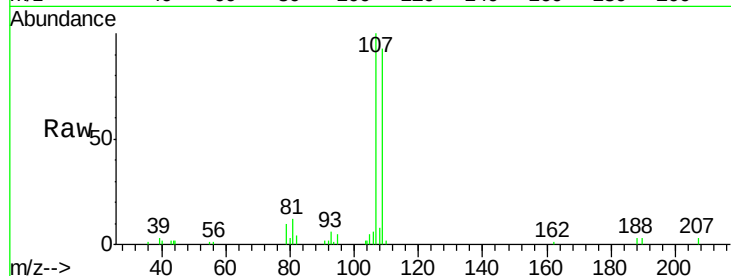




#61
 1,2-Dibromoethane
 Concen: 4.85 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

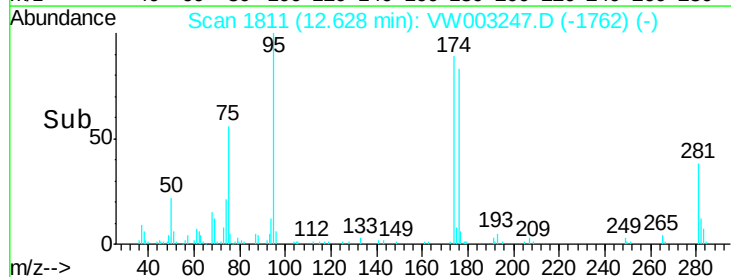
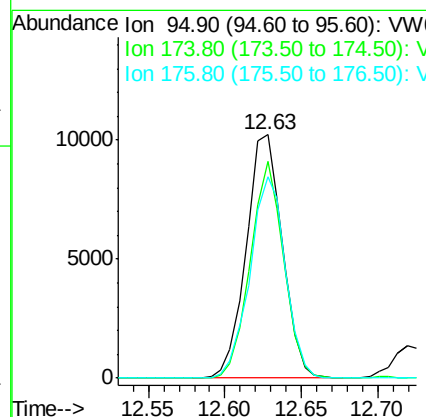
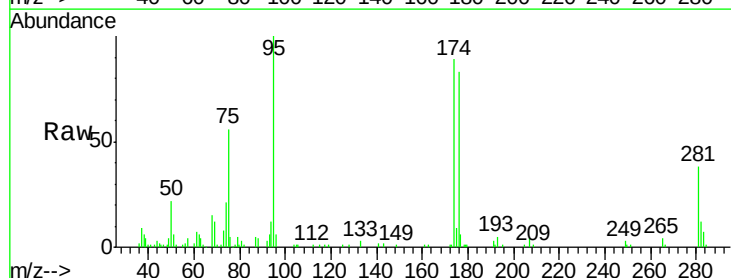
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

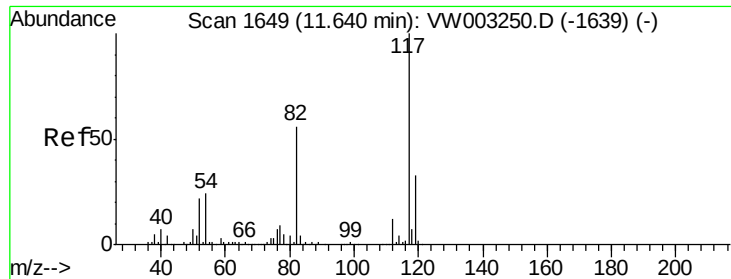
Tgt Ion: 107 Resp: 9693
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 4.74 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion: 95 Resp: 16754
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 166.4
 176 81.1 0.0 162.0

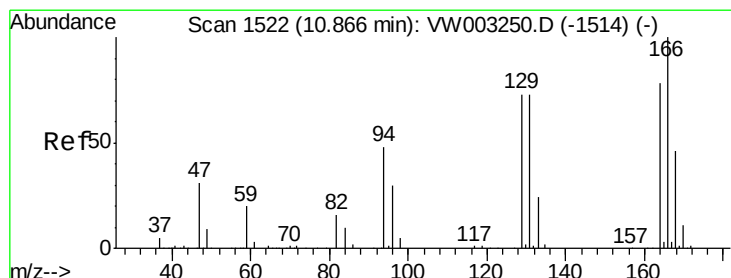
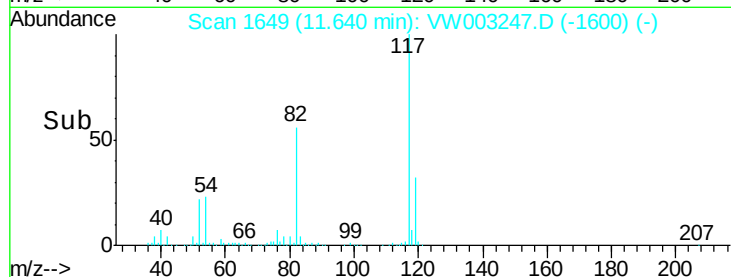
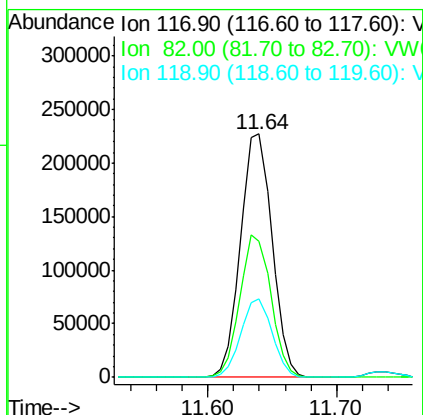
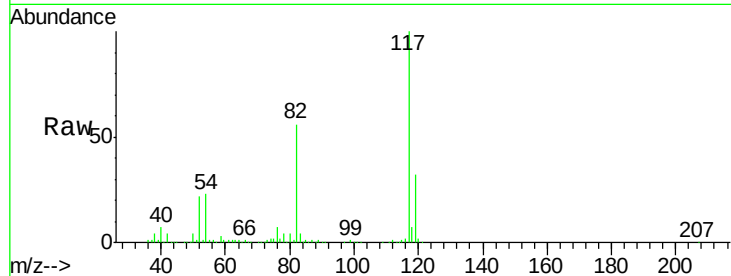




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

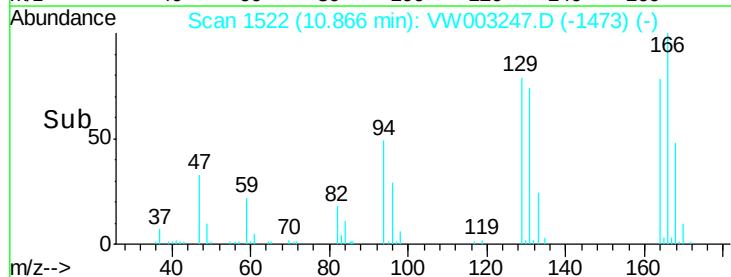
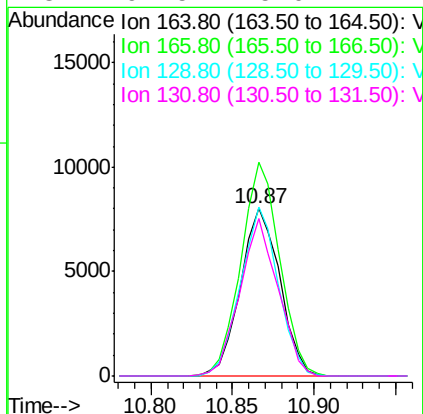
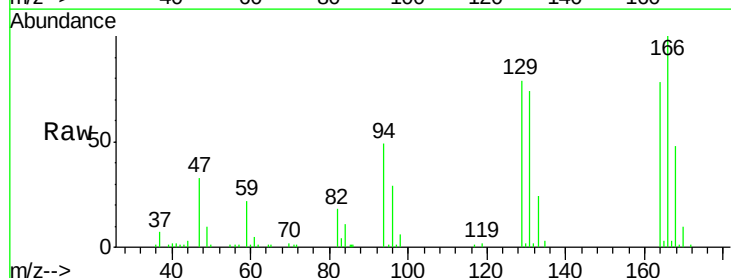
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

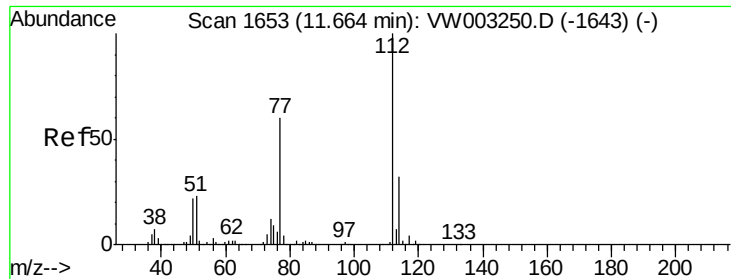
Tgt Ion:117 Resp: 386377
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 32.3 26.7 40.1



#64
Tetrachloroethene
Concen: 4.93 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion:164 Resp: 13496
Ion Ratio Lower Upper
164 100
166 127.8 102.6 154.0
129 101.3 75.2 112.8
131 94.5 75.0 112.4





#65

Chlorobenzene

Concen: 5.22 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

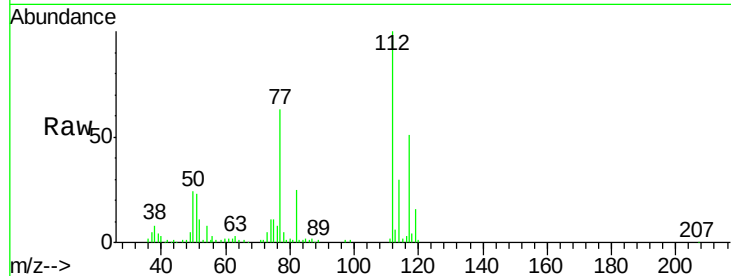
VSTDIC005

Tgt Ion:112 Resp: 41509

Ion Ratio Lower Upper

112 100

114 30.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

25000

20000

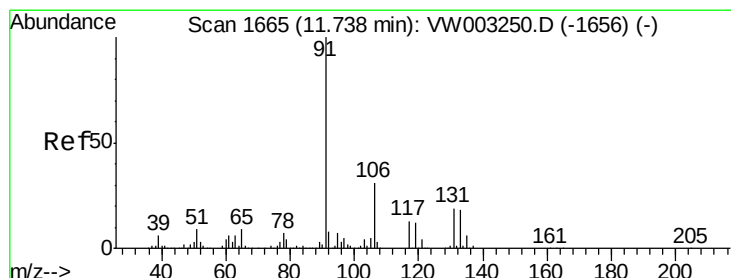
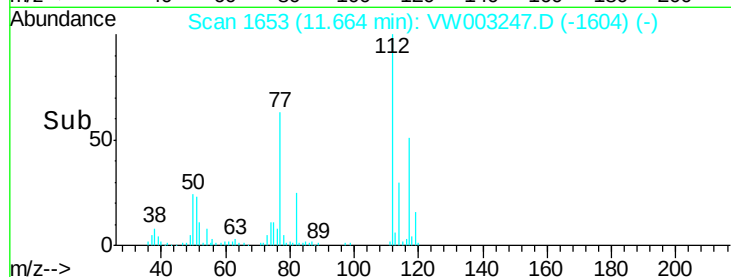
15000

10000

5000

0

Time--> 11.60 11.65 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 4.95 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

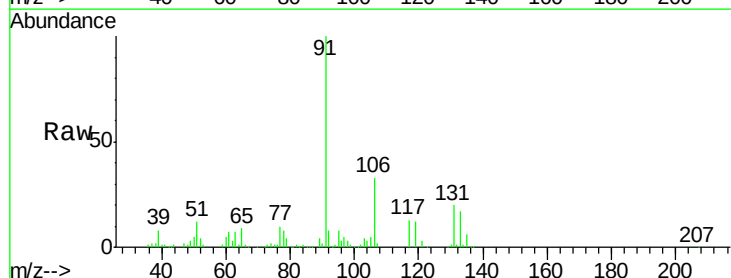
Tgt Ion:131 Resp: 13716

Ion Ratio Lower Upper

131 100

133 94.8 47.3 142.0

119 64.0 32.5 97.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

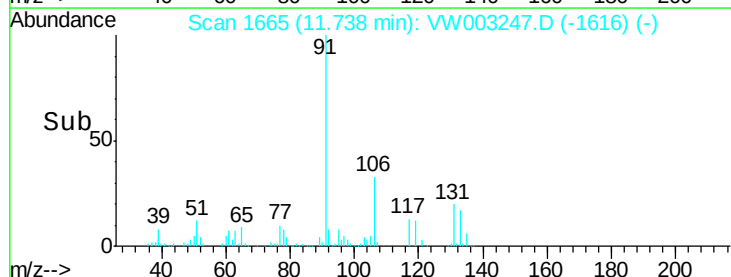
60000

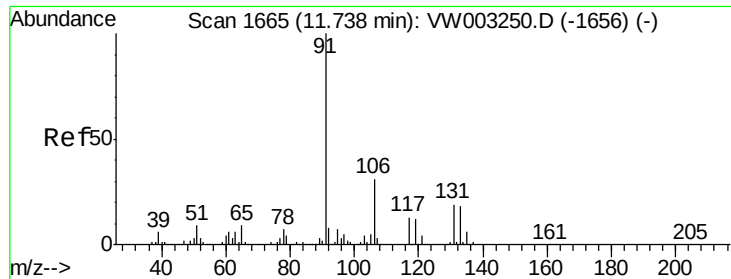
40000

20000

0

Time--> 11.65 11.70 11.75 11.80

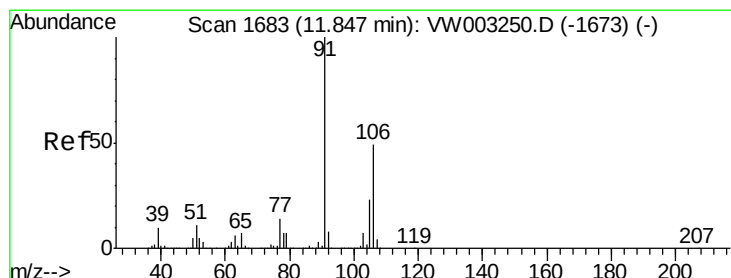
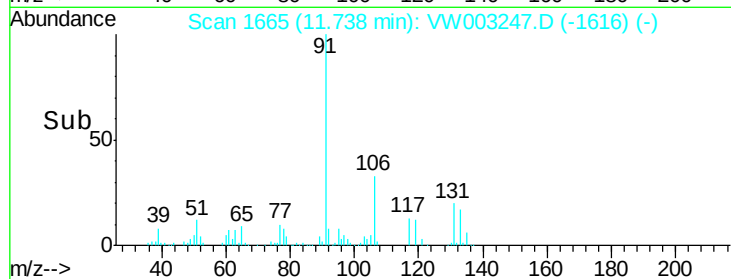
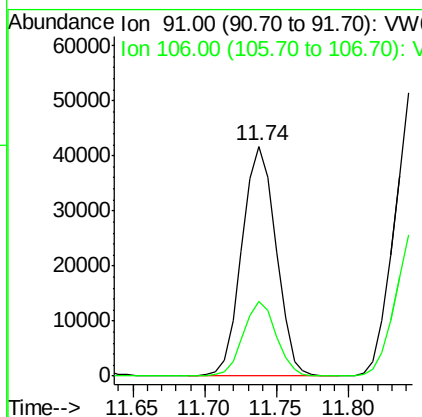
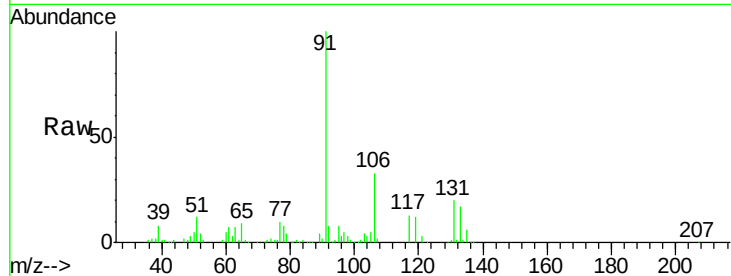




#67
Ethyl Benzene
Concen: 4.88 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

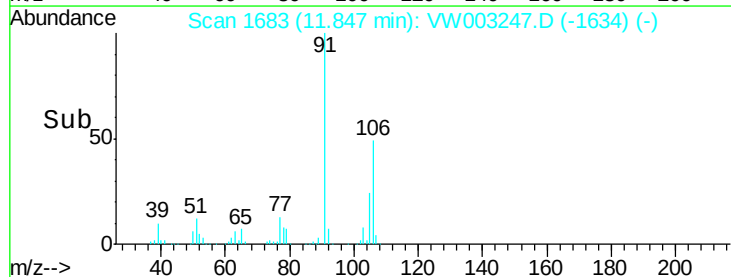
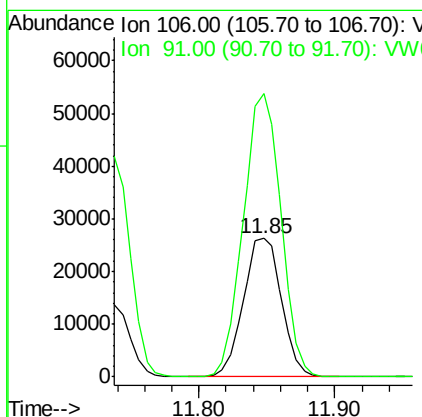
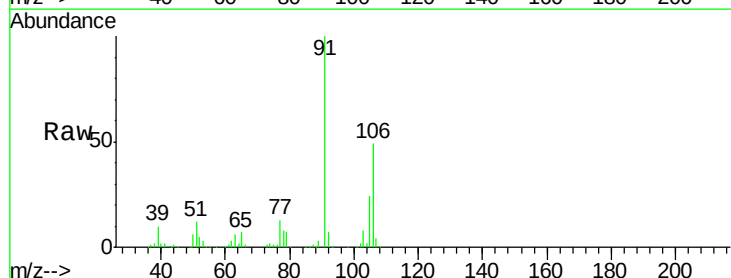
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

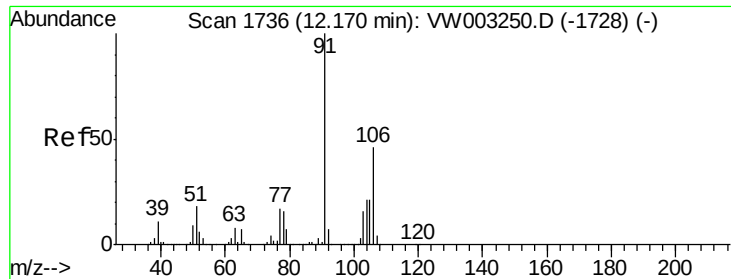
Tgt Ion: 91 Resp: 68579
Ion Ratio Lower Upper
91 100
106 32.7 24.7 37.1



#68
m/p-Xylenes
Concen: 9.59 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion: 106 Resp: 51533
Ion Ratio Lower Upper
106 100
91 202.7 165.4 248.0

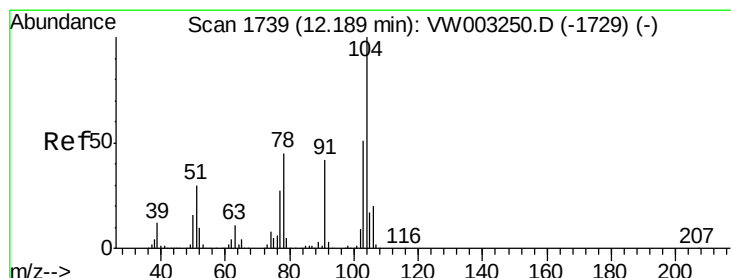
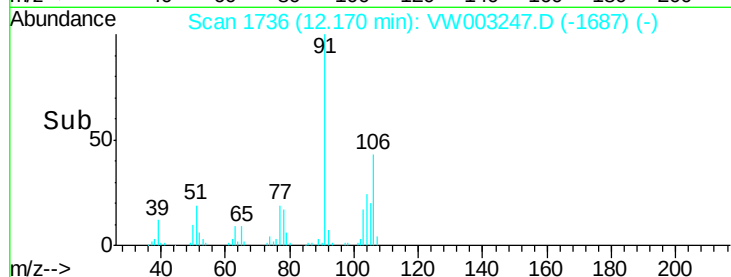
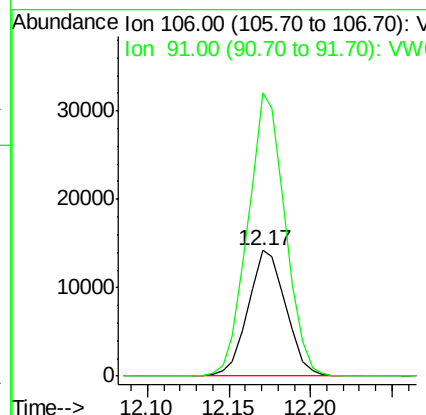
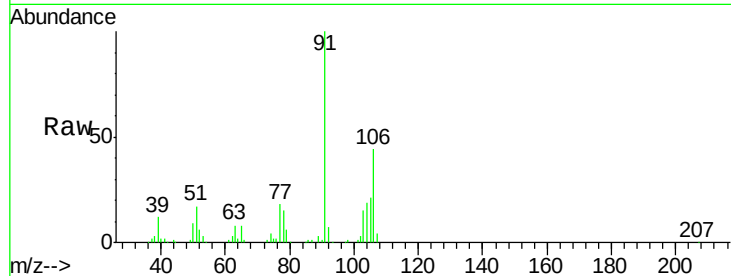




#69
o-Xylene
Concen: 4.52 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

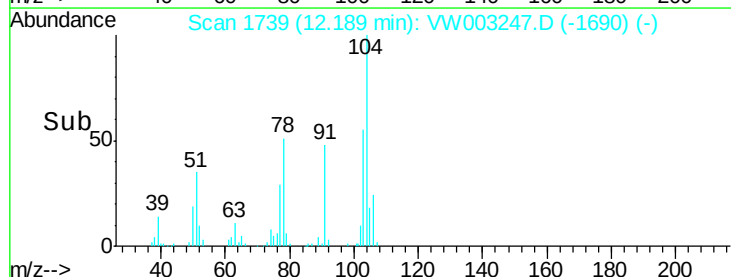
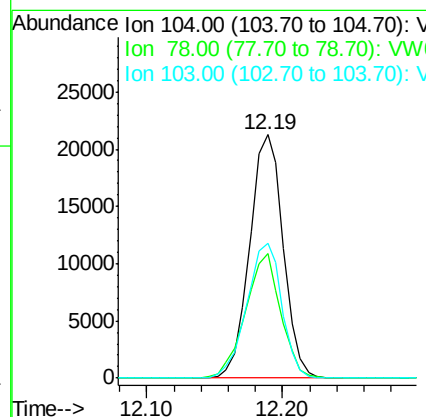
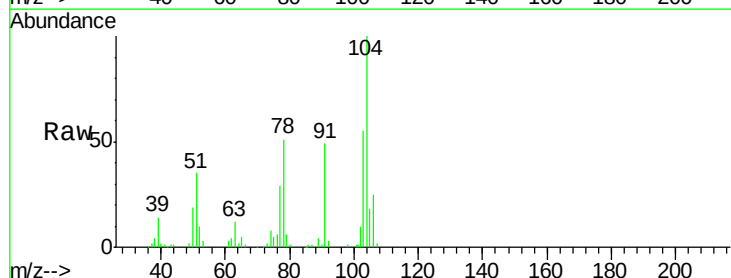
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

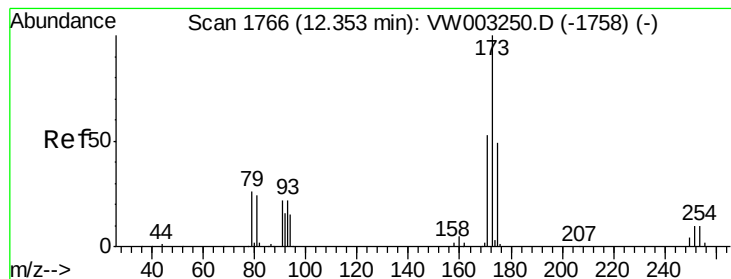
Tgt Ion:106 Resp: 22883
Ion Ratio Lower Upper
106 100
91 222.2 108.6 325.6



#70
Styrene
Concen: 4.34 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion:104 Resp: 36678
Ion Ratio Lower Upper
104 100
78 53.7 41.3 61.9
103 58.2 45.0 67.4





#71

Bromoform

Concen: 4.44 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

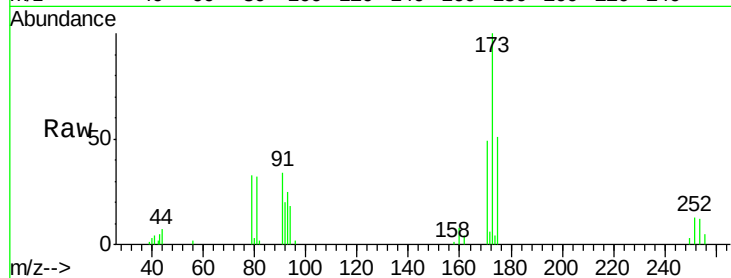
Tgt Ion:173 Resp: 6580

Ion Ratio Lower Upper

173 100

175 47.7 24.4 73.4

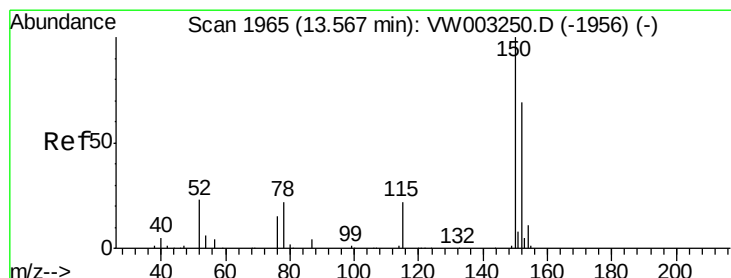
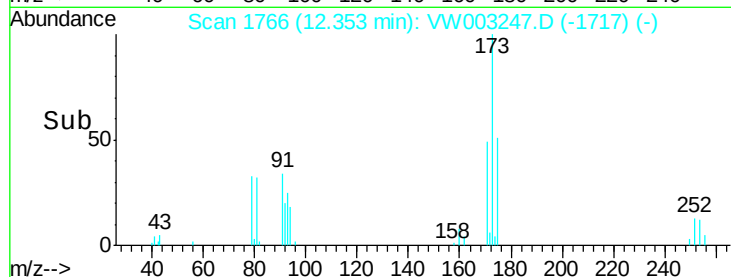
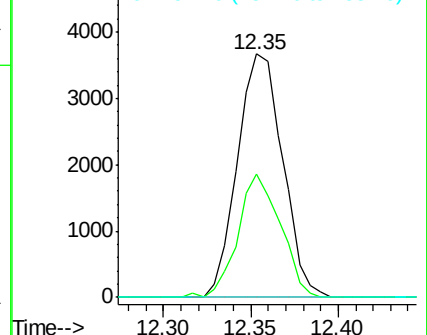
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

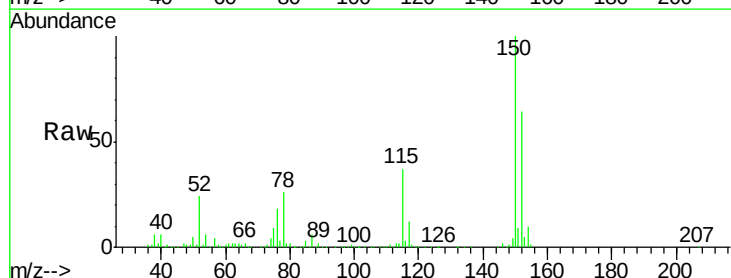
Tgt Ion:152 Resp: 201476

Ion Ratio Lower Upper

152 100

115 59.2 29.3 88.0

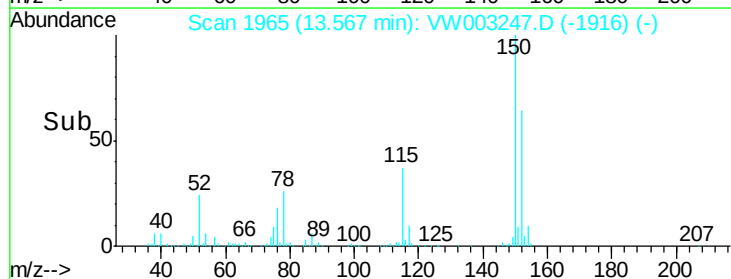
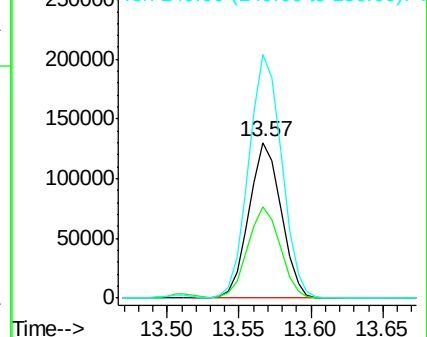
150 160.3 0.0 349.6

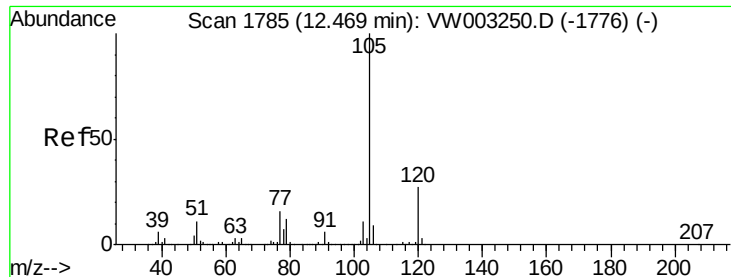


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.61 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

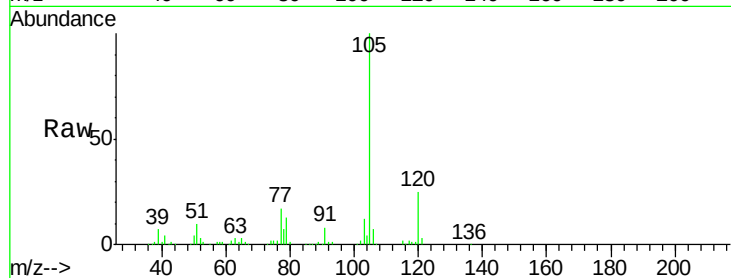
VSTDIC005

Tgt Ion:105 Resp: 64328

Ion Ratio Lower Upper

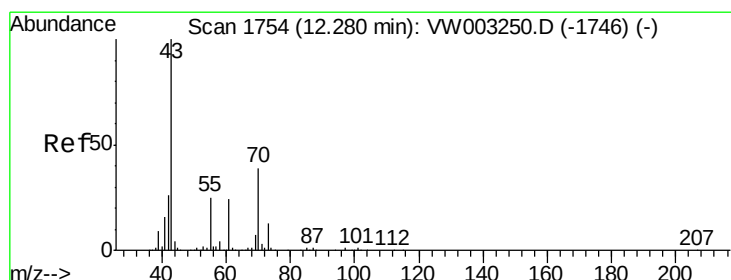
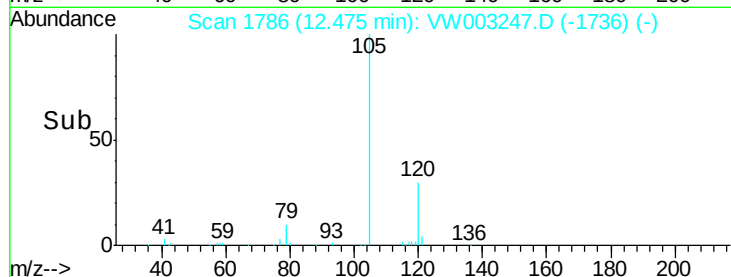
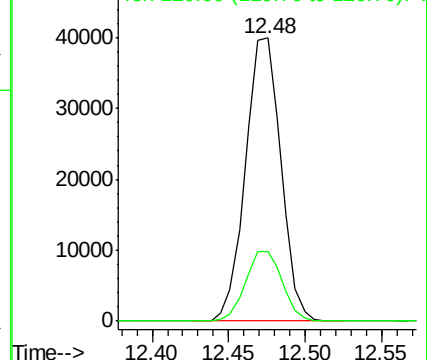
105 100

120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.14 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Tgt Ion: 43 Resp: 13321

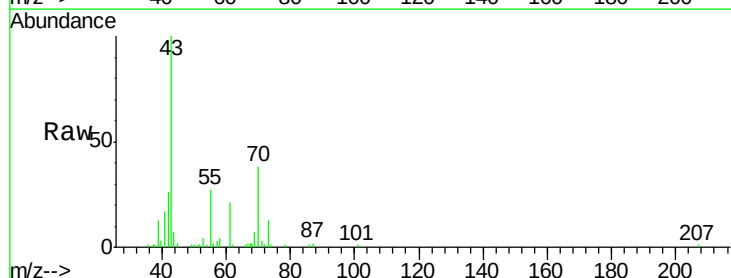
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 27.7 19.7 29.5

61 22.3 18.1 27.1

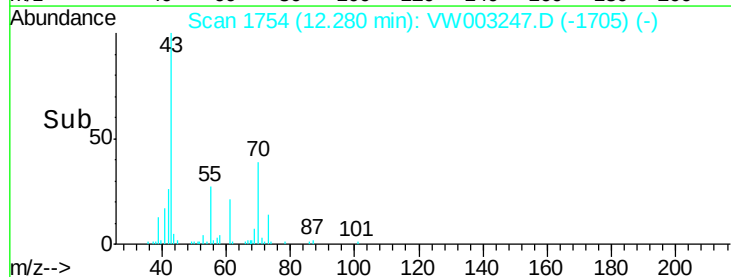
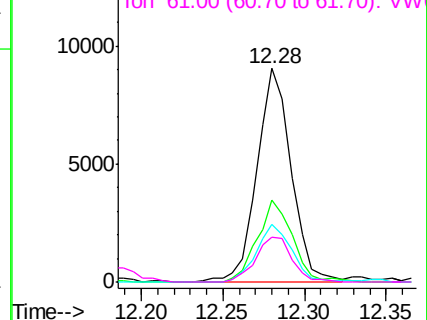


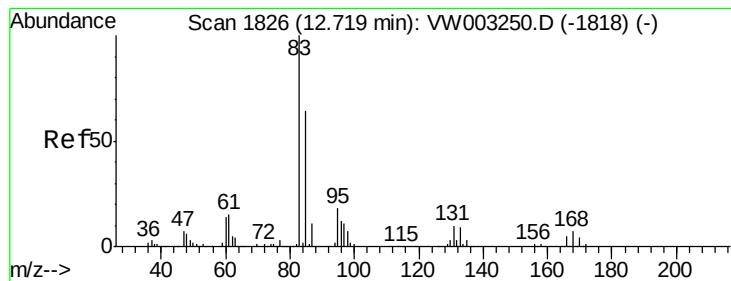
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 4.88 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

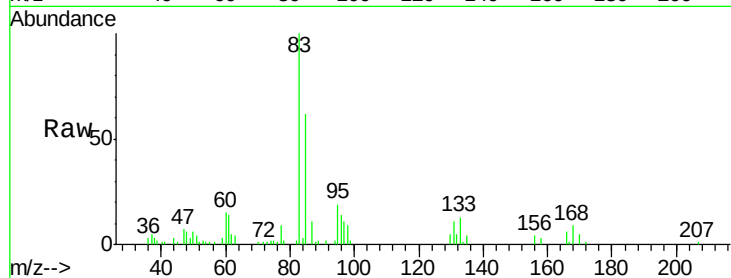
Tgt Ion: 83 Resp: 11594

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

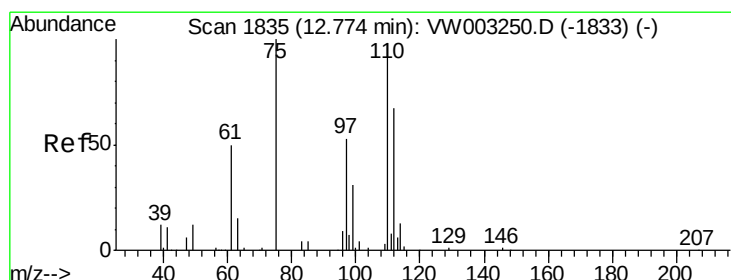
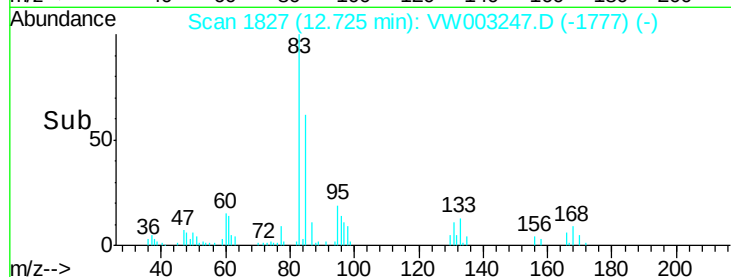
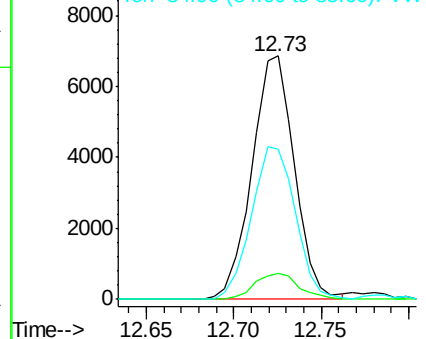
85 64.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 8.42 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003247.D

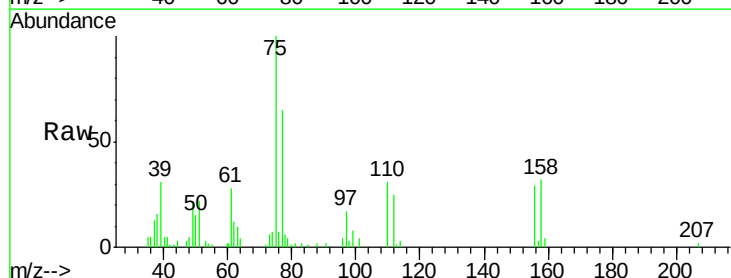
Acq: 13 Jun 2018 16:06

Tgt Ion: 75 Resp: 15042

Ion Ratio Lower Upper

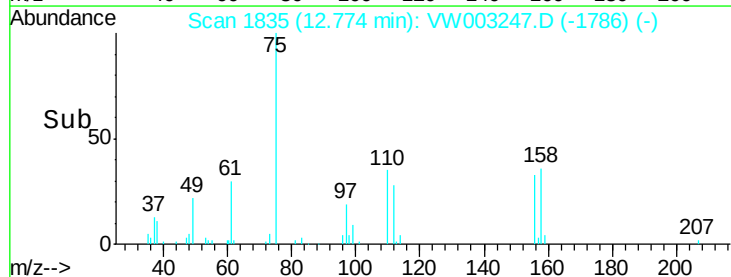
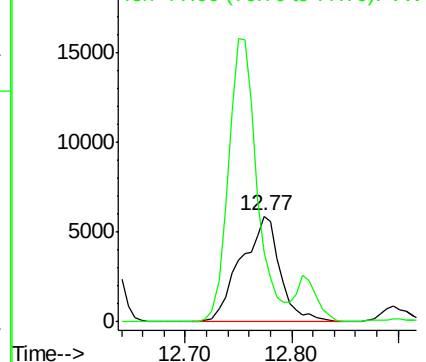
75 100

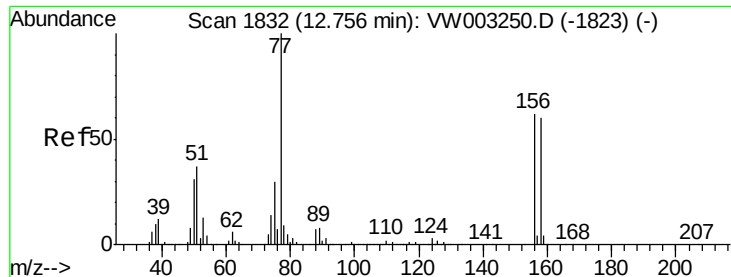
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.94 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

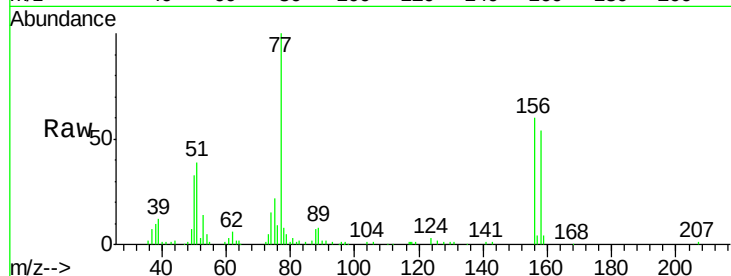
Tgt Ion:156 Resp: 16236

Ion Ratio Lower Upper

156 100

77 183.9 92.3 276.9

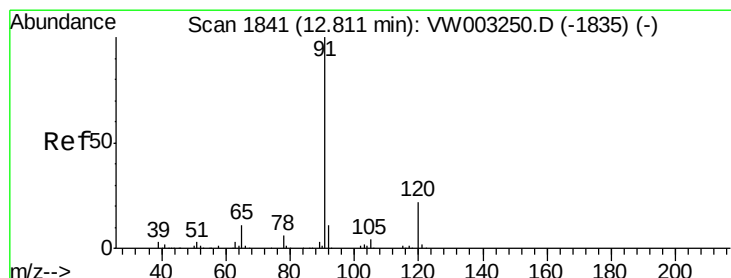
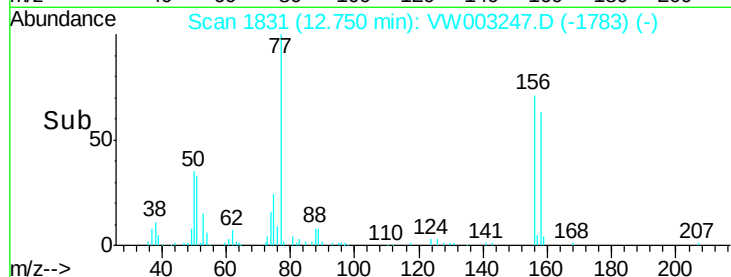
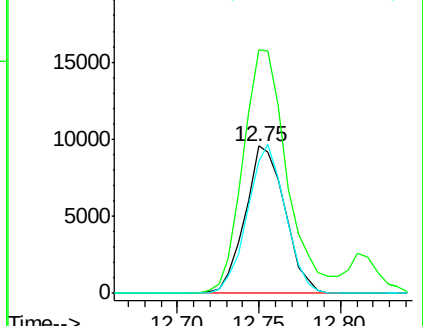
158 95.6 47.5 142.6



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: 4.75 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003247.D

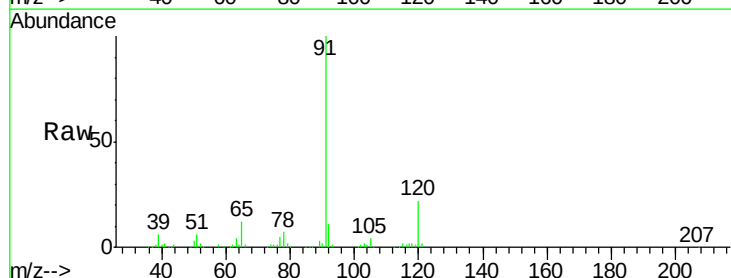
Acq: 13 Jun 2018 16:06

Tgt Ion: 91 Resp: 79168

Ion Ratio Lower Upper

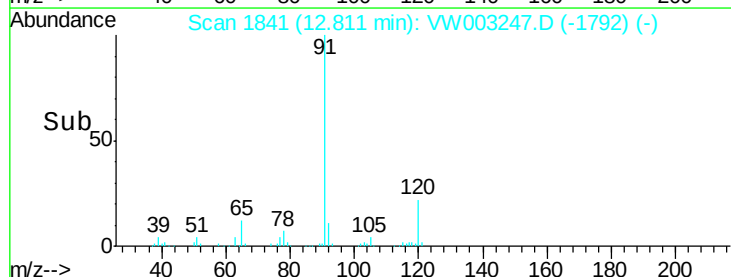
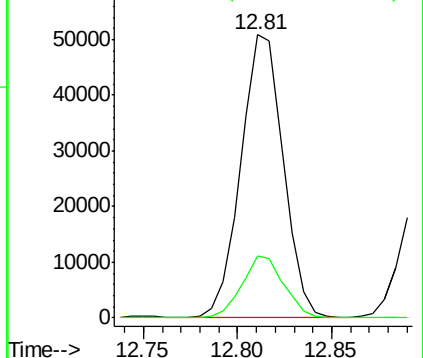
91 100

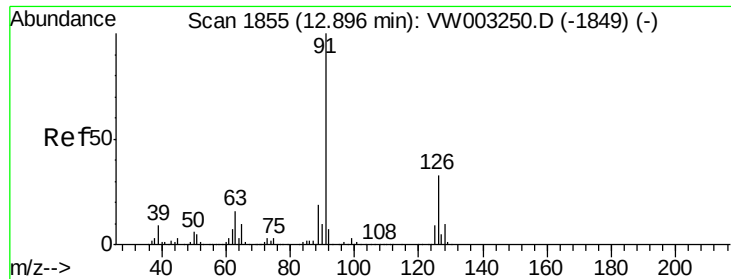
120 21.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.92 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

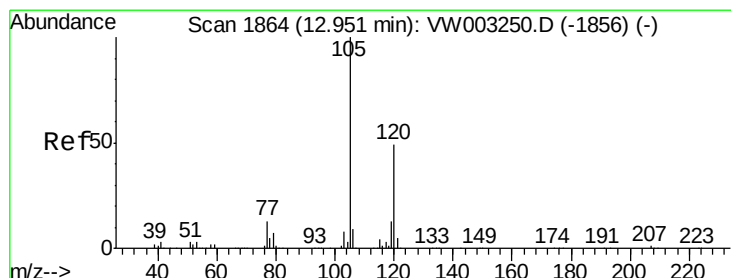
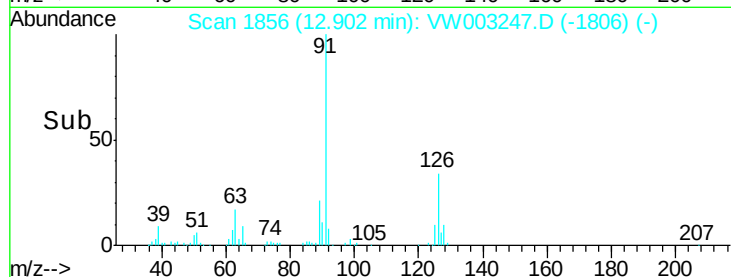
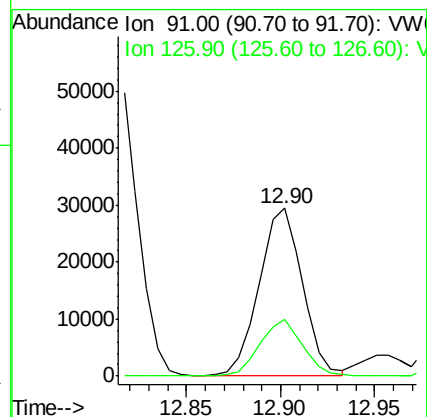
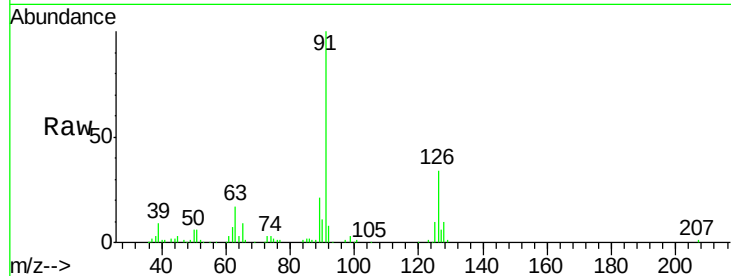
VSTDIC005

Tgt Ion: 91 Resp: 46566

Ion Ratio Lower Upper

91 100

126 33.2 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 4.63 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003247.D

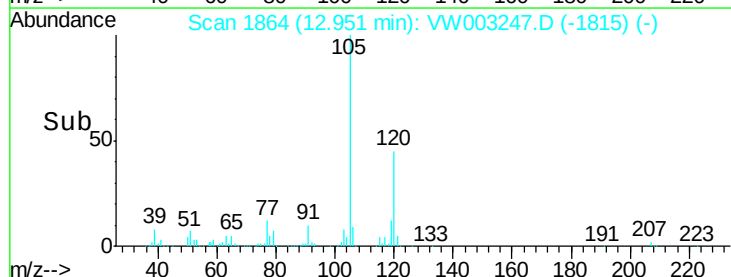
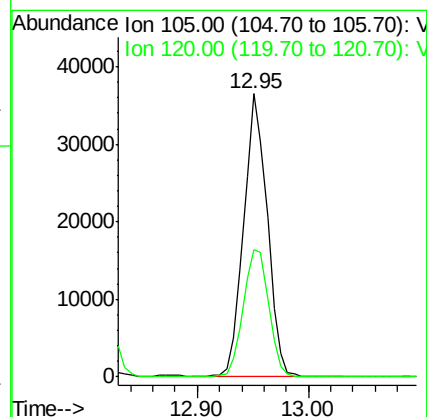
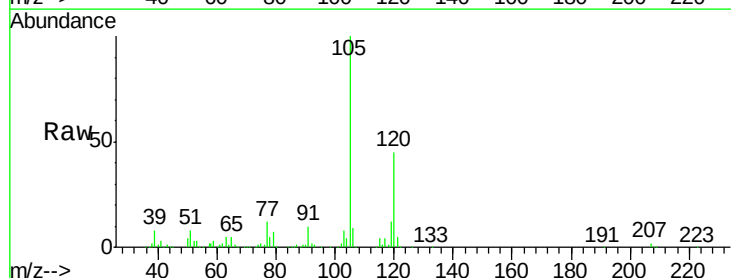
Acq: 13 Jun 2018 16:06

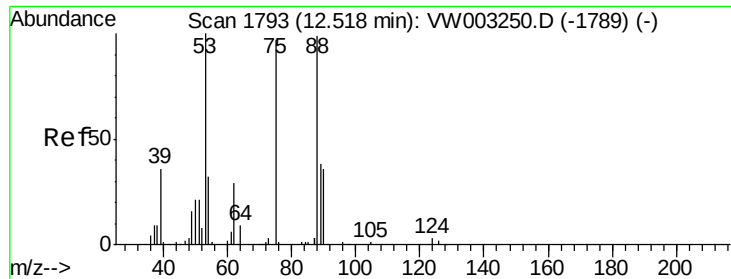
Tgt Ion: 105 Resp: 53885

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 4.60 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

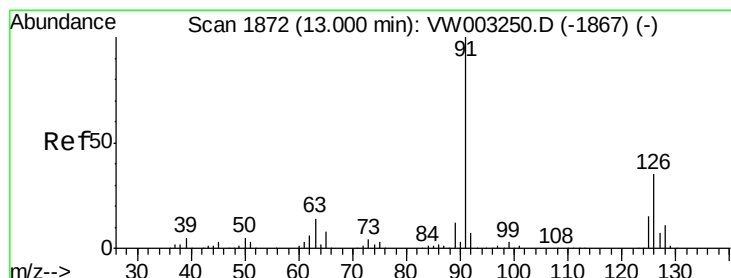
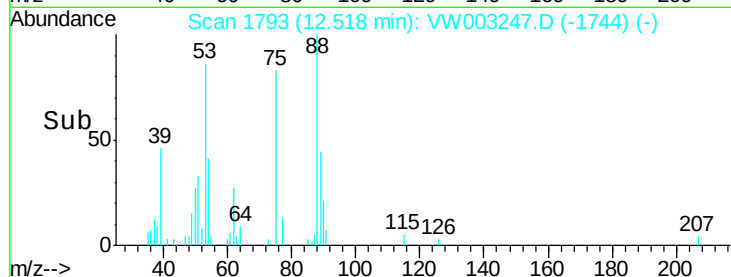
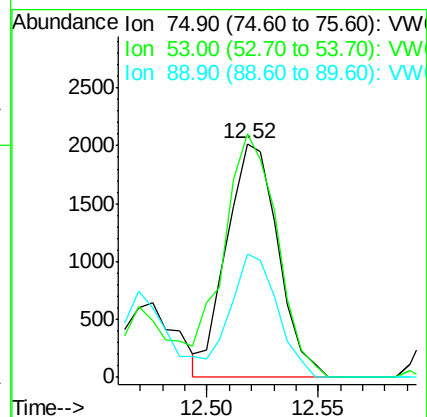
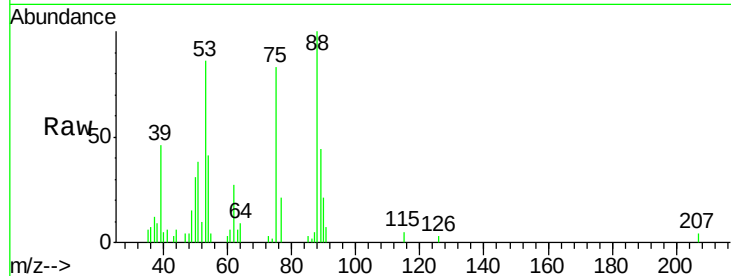
Tgt Ion: 75 Resp: 3237

Ion Ratio Lower Upper

75 100

53 108.3 82.9 124.3

89 47.7 36.7 55.1



#82

4-Chlorotoluene

Concen: 4.95 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW003247.D

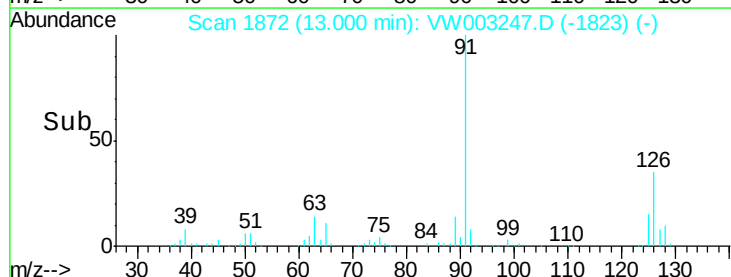
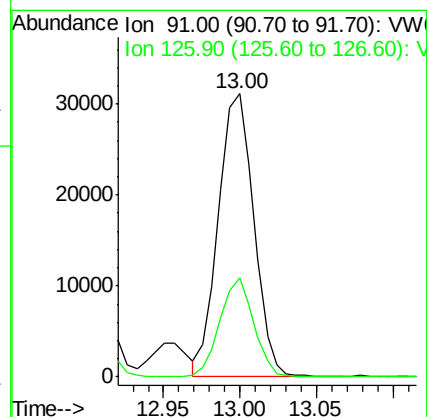
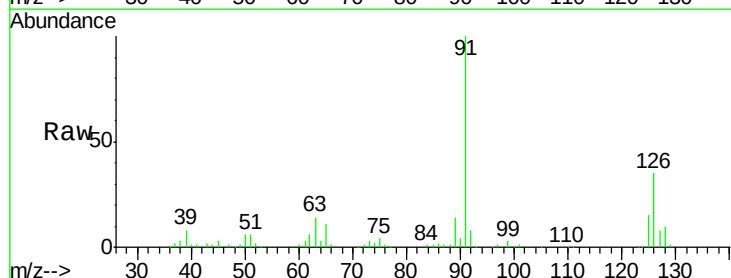
Acq: 13 Jun 2018 16:06

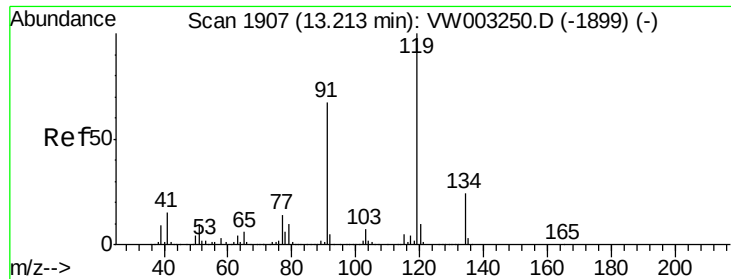
Tgt Ion: 91 Resp: 49986

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.3

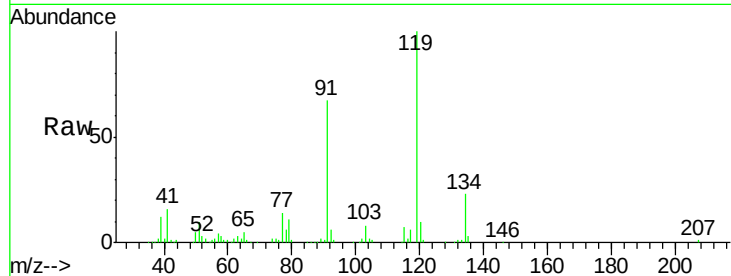




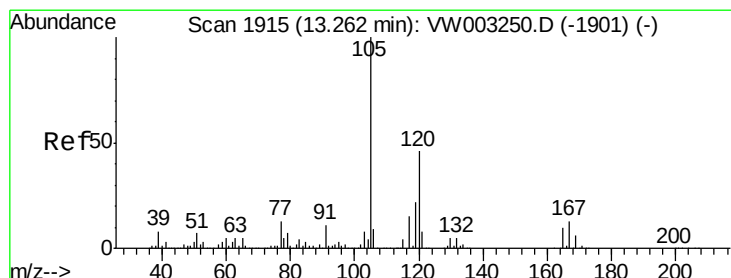
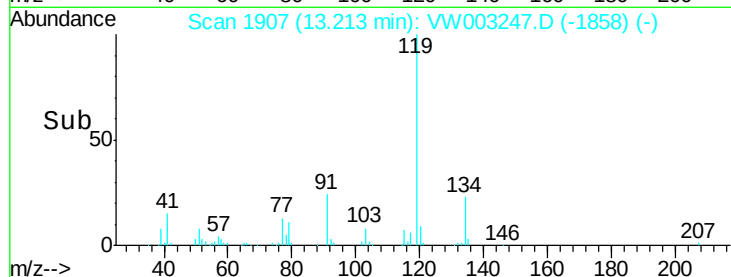
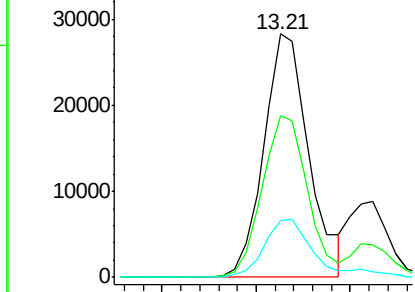
#83
 tert-Butylbenzene
 Concen: 4.58 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 46892
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.9 101.7
 134 26.6 13.4 40.1

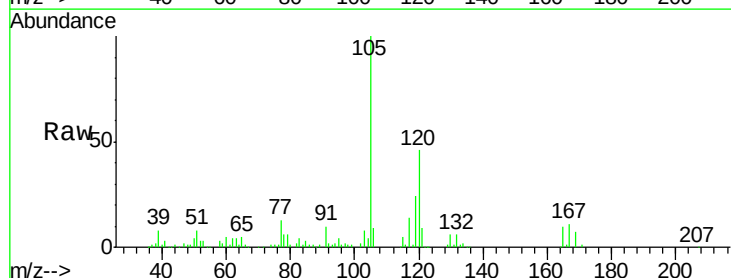


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

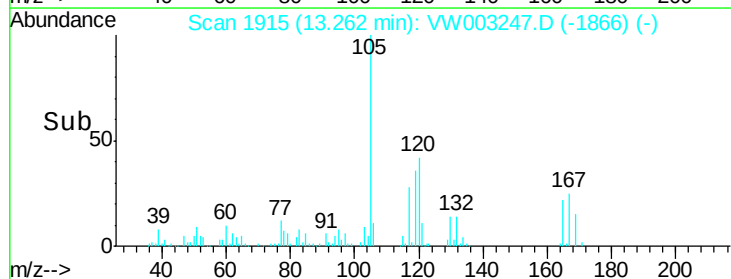
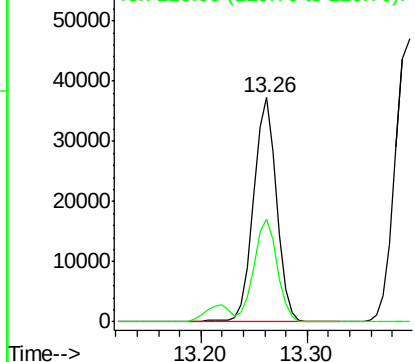


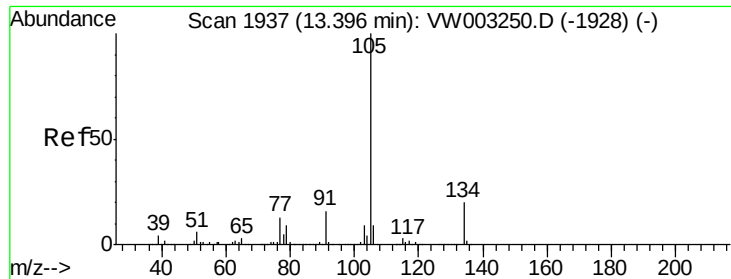
#84
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion:105 Resp: 56741
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

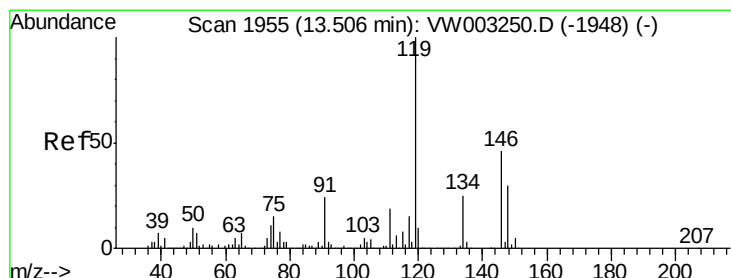
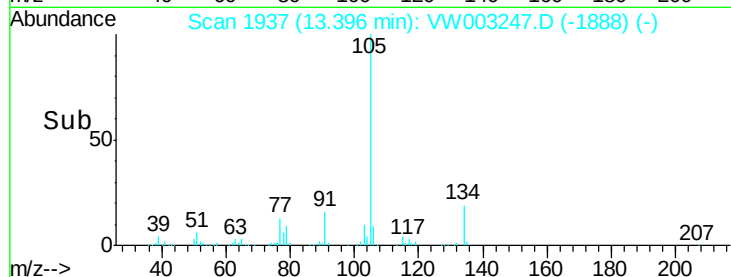
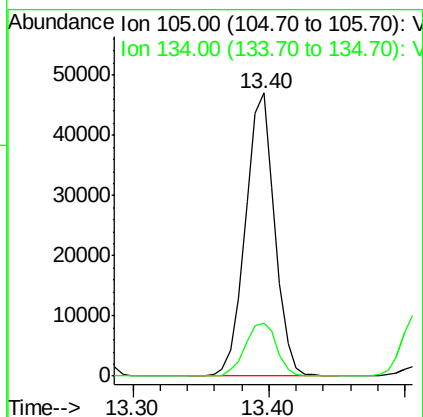
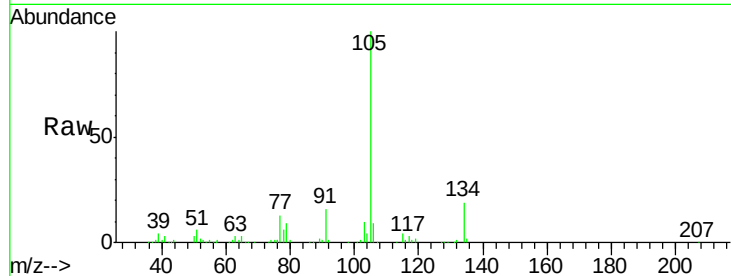




#85
 sec-Butylbenzene
 Concen: 4.83 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

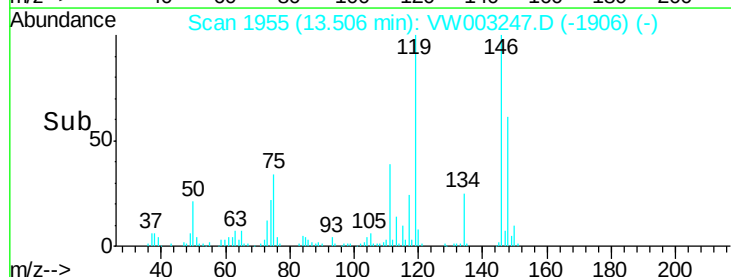
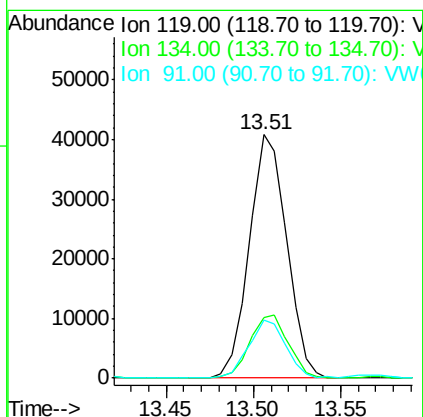
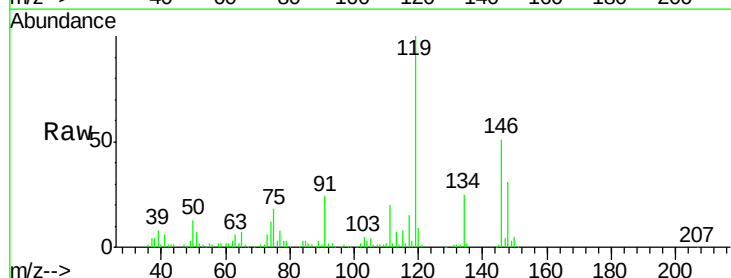
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

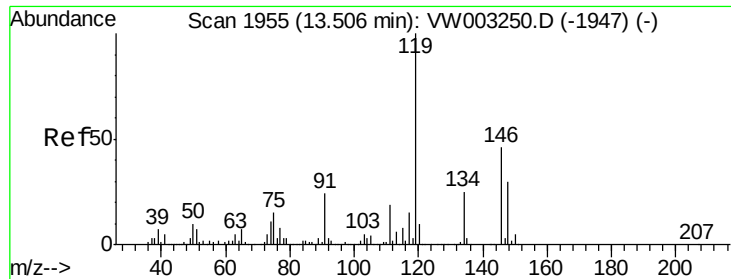
Tgt Ion:105 Resp: 70309
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 4.66 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion:119 Resp: 60648
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.7
 91 23.9 11.8 35.3

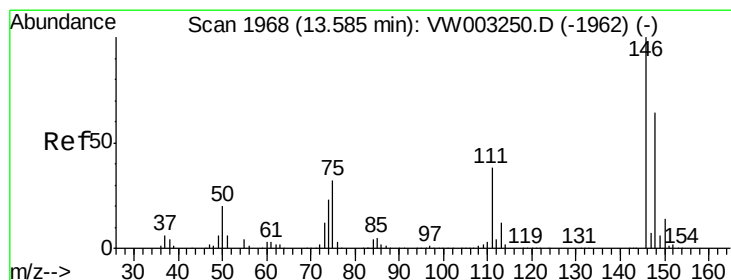
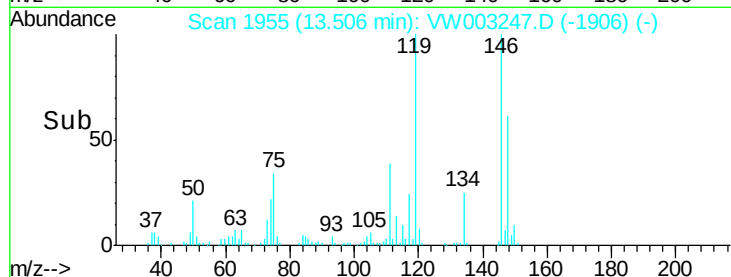
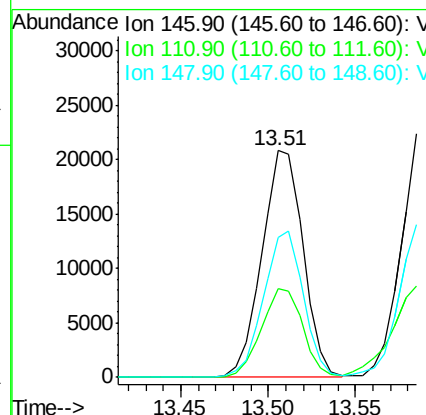
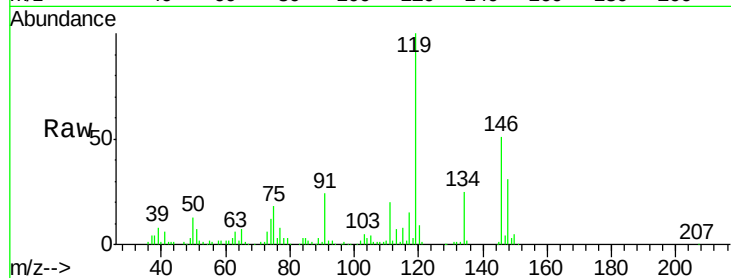




#87
 1,3-Dichlorobenzene
 Concen: 5.14 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

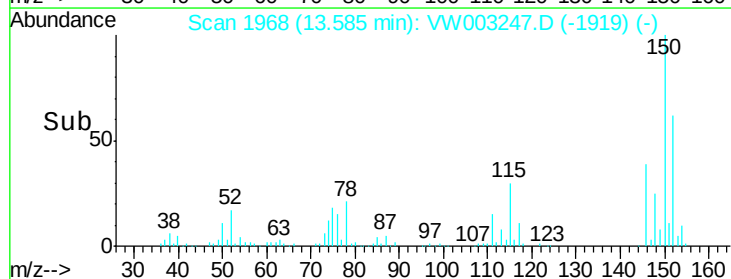
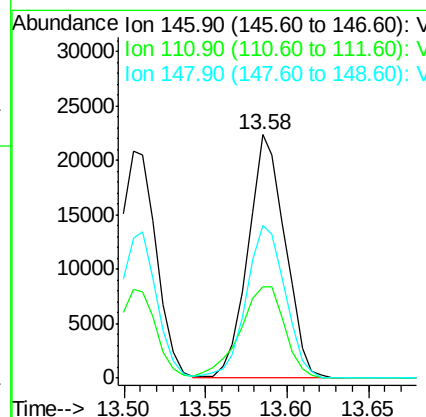
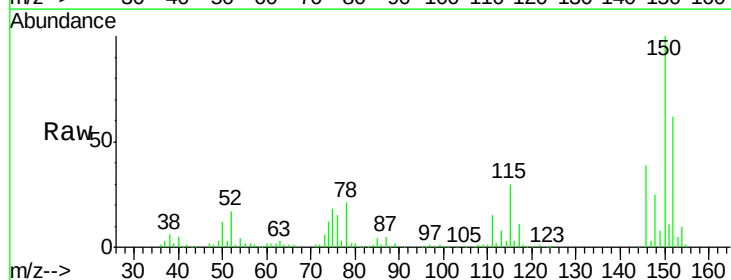
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

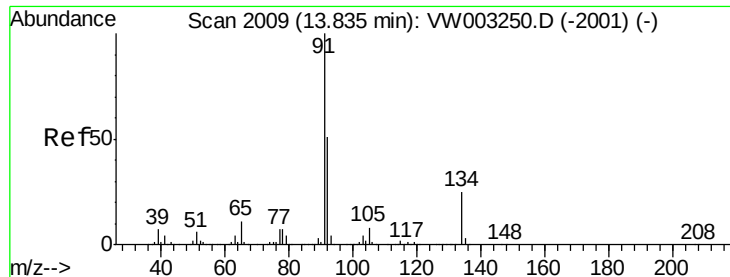
Tgt Ion:146 Resp: 34043
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 62.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.36 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion:146 Resp: 35443
 Ion Ratio Lower Upper
 146 100
 111 45.6 19.2 57.6
 148 65.9 31.8 95.4





#89

n-Butylbenzene

Concen: 4.94 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

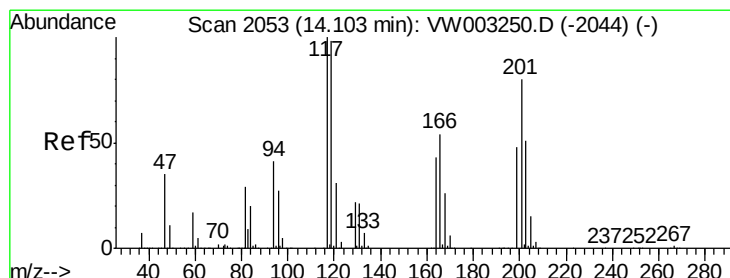
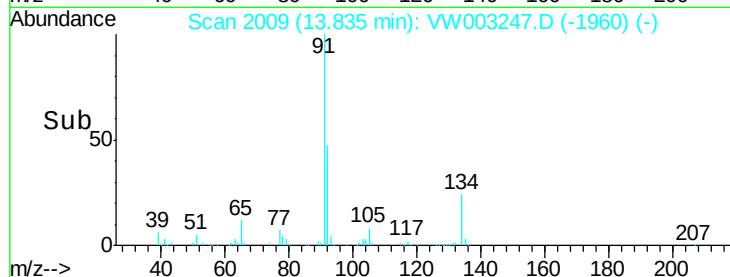
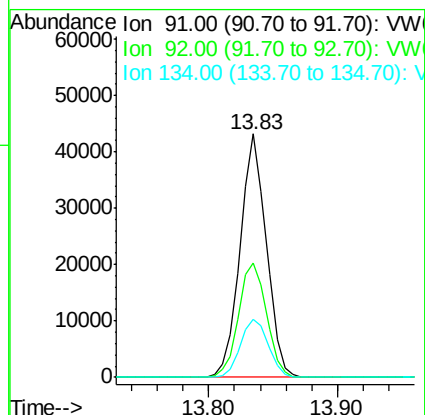
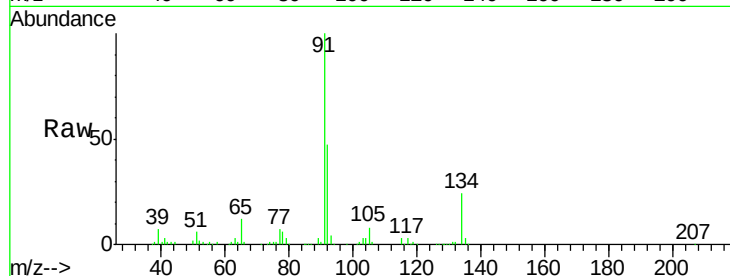
Tgt Ion: 91 Resp: 60838

Ion Ratio Lower Upper

91 100

92 50.1 26.0 78.0

134 25.4 12.7 38.0



#90

Hexachloroethane

Concen: 4.86 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003247.D

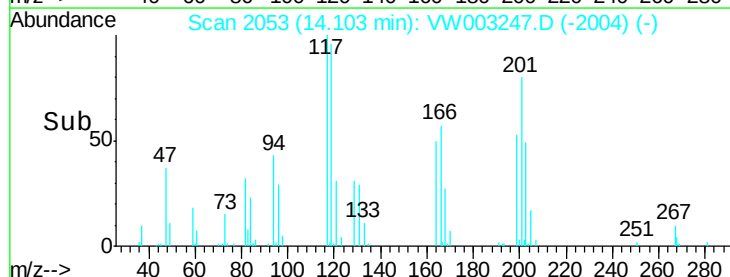
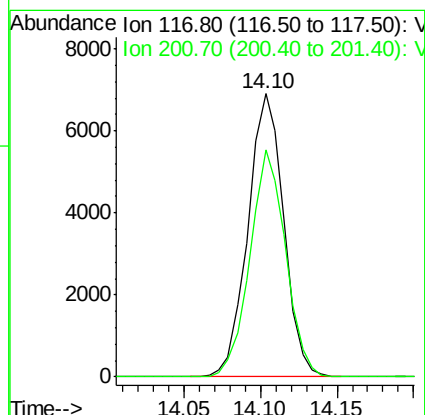
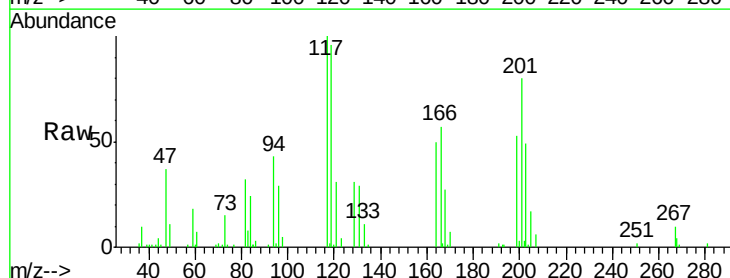
Acq: 13 Jun 2018 16:06

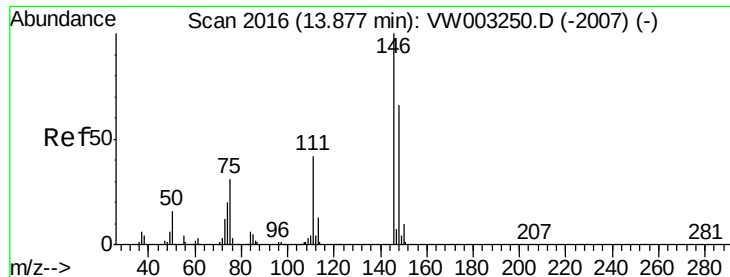
Tgt Ion: 117 Resp: 11217

Ion Ratio Lower Upper

117 100

201 80.0 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 5.06 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

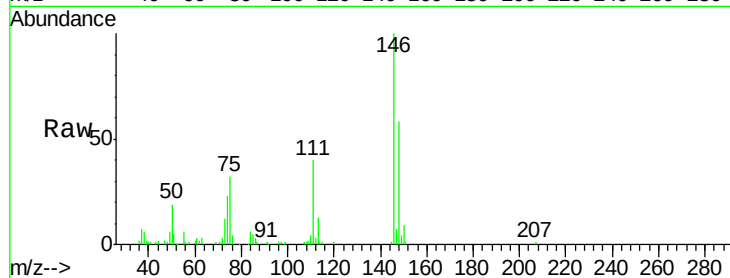
Tgt Ion: 146 Resp: 29808

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

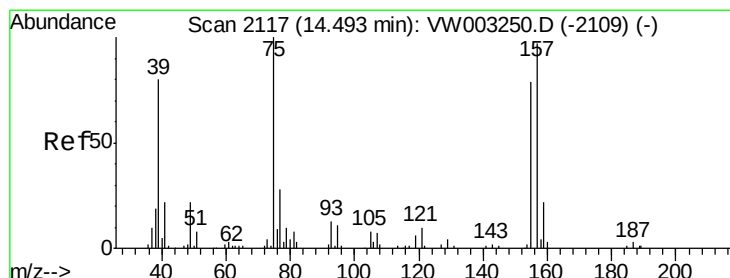
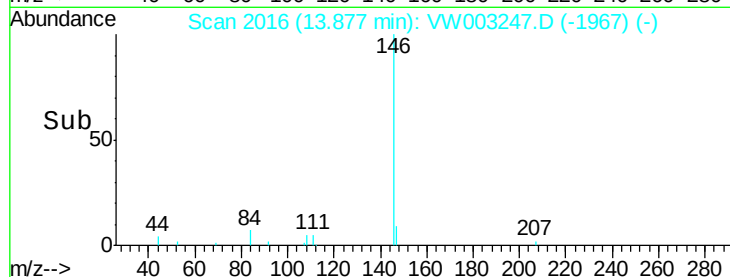
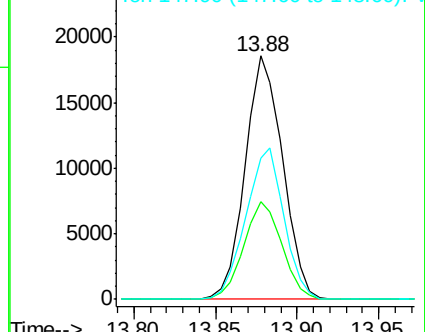
148 63.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.26 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003247.D

Acq: 13 Jun 2018 16:06

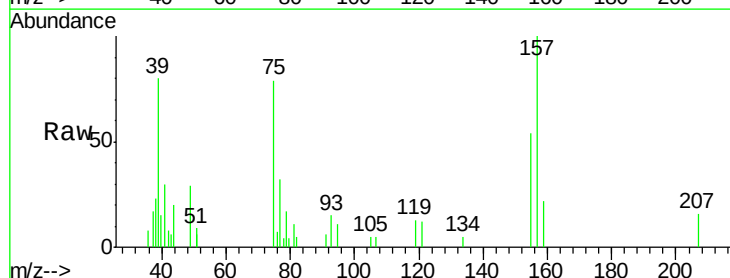
Tgt Ion: 75 Resp: 1737

Ion Ratio Lower Upper

75 100

155 84.4 39.4 118.2

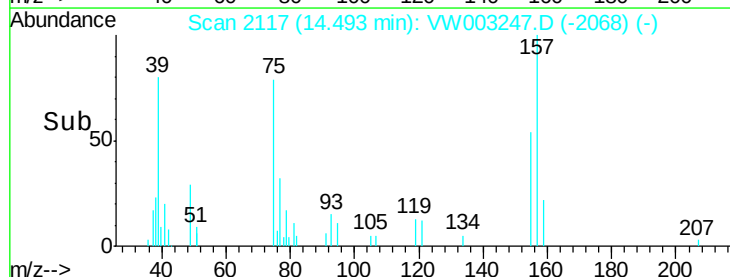
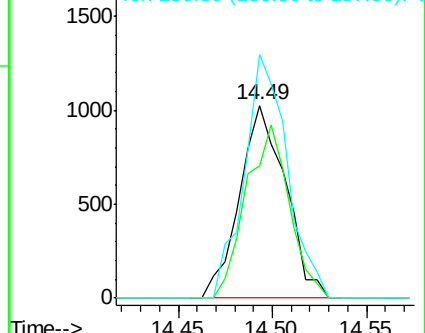
157 118.1 51.5 154.5

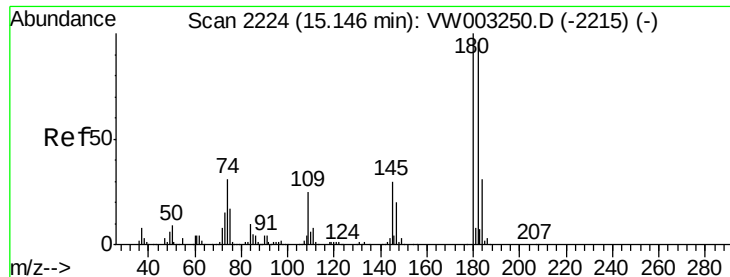


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

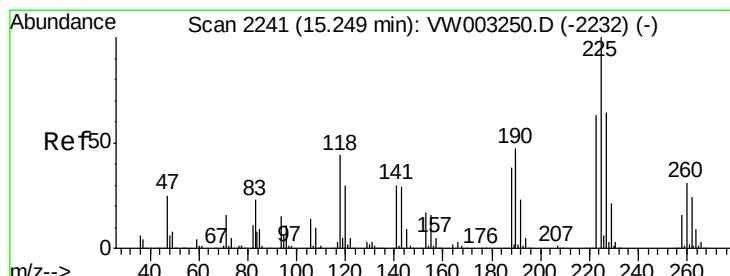
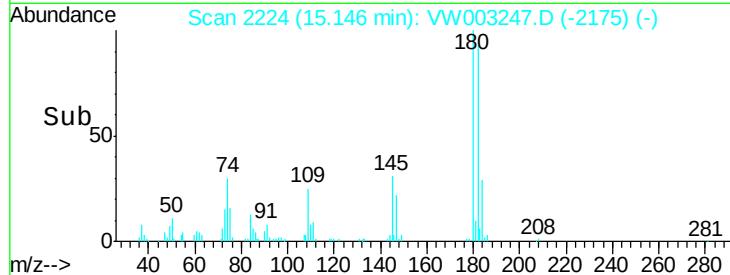
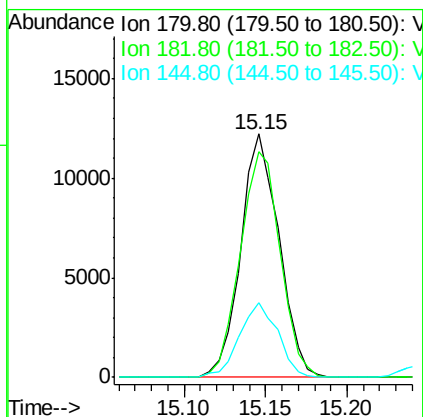
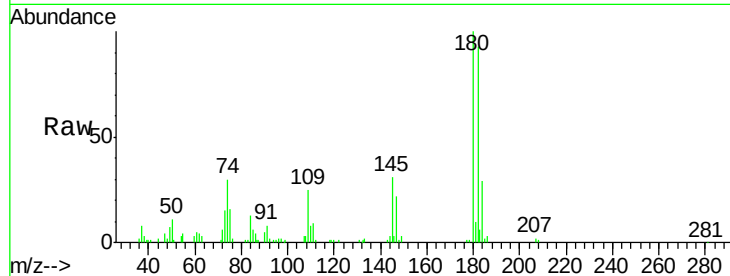




#93
 1,2,4-Trichlorobenzene
 Concen: 4.75 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

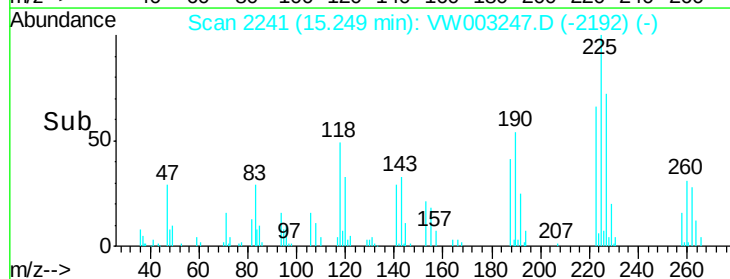
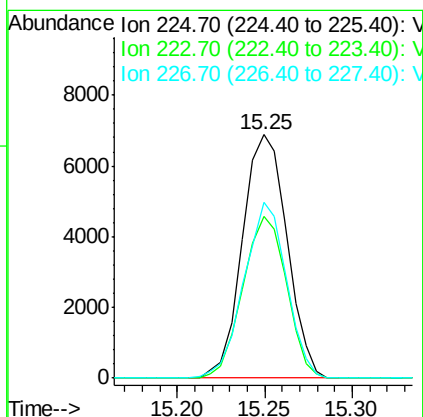
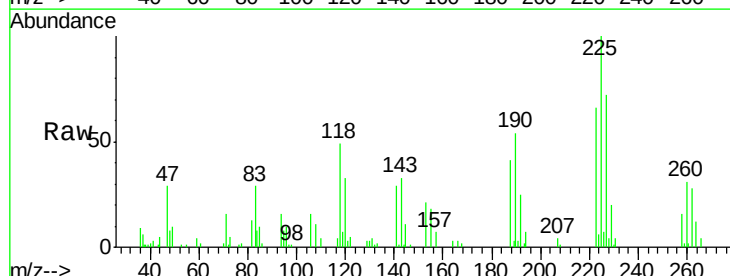
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

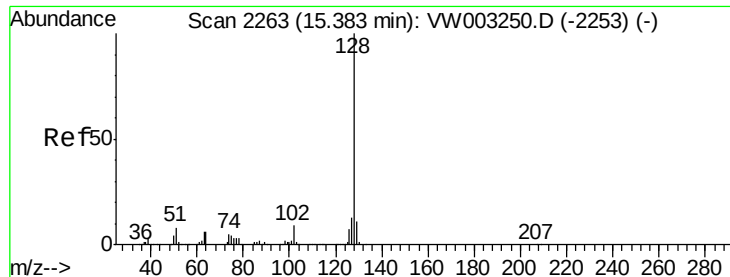
Tgt Ion:180 Resp: 19934
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.9 143.6
 145 30.6 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 4.96 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003247.D
 Acq: 13 Jun 2018 16:06

Tgt Ion:225 Resp: 12189
 Ion Ratio Lower Upper
 225 100
 223 65.1 30.6 92.0
 227 68.7 31.7 95.1

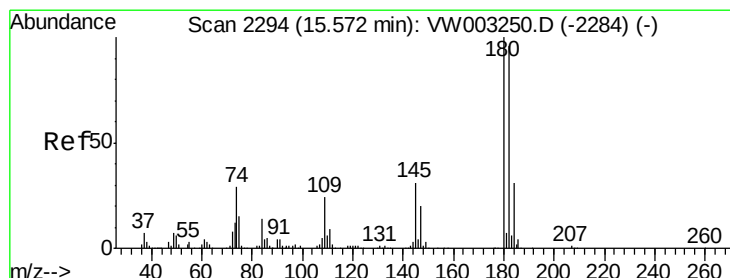
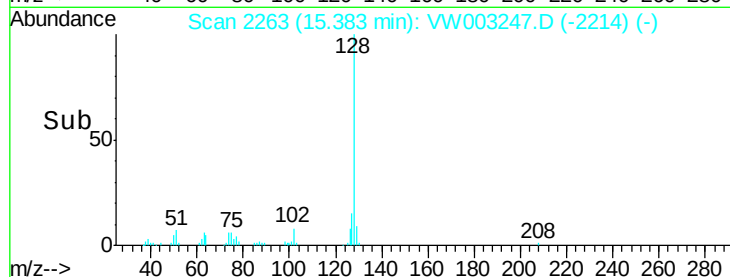
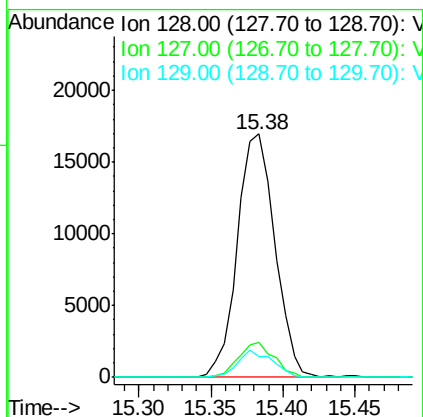
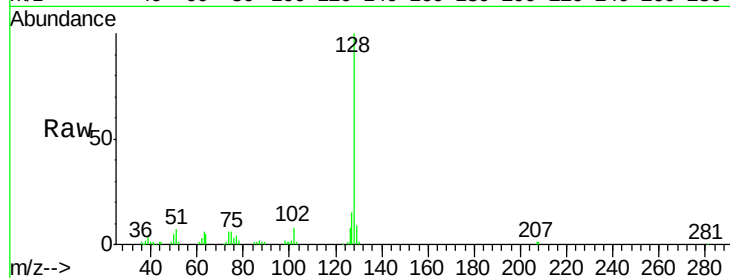




#95
Naphthalene
Concen: 4.13 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 30685
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.88 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003247.D
Acq: 13 Jun 2018 16:06

Tgt Ion:180 Resp: 18038
Ion Ratio Lower Upper
180 100
182 92.1 47.9 143.6
145 32.3 15.8 47.4

