

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011519\
 Data File : VW008281.D
 Acq On : 15 Jan 2019 13:52
 Operator : SY/VA
 Sample : VW0115SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBS01

Quant Time: Jan 16 01:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	150229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	140706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	46966	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
35) Dibromofluoromethane	7.88	113	45912	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	190280	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	68228	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	14086m	19.488	ug/l
3) Chloromethane	2.21	50	18149	19.354	ug/l
4) Vinyl Chloride	2.37	62	24520	20.034	ug/l
5) Bromomethane	2.78	94	21382	23.322	ug/l
6) Chloroethane	2.92	64	18095	19.648	ug/l
7) Trichlorofluoromethane	3.25	101	21287	21.394	ug/l
8) Diethyl Ether	3.68	74	11675	20.756	ug/l
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20908	21.165	ug/l
10) Methyl Iodide	4.26	142	28687	19.925	ug/l
11) Tert butyl alcohol	5.22	59	6149m	82.627	ug/l
12) 1,1-Dichloroethene	4.03	96	19828	20.443	ug/l #
13) Acrolein	3.89	56	4879m	72.561	ug/l
14) Allyl chloride	4.66	41	33260	18.888	ug/l
15) Acrylonitrile	5.37	53	21939	102.446	ug/l
16) Acetone	4.13	43	21163	106.106	ug/l
17) Carbon Disulfide	4.37	76	58214	19.214	ug/l
18) Methyl Acetate	4.68	43	12311	19.568	ug/l
19) Methyl tert-butyl Ether	5.42	73	30500	19.343	ug/l
20) Methylene Chloride	4.90	84	24148	21.942	ug/l
21) trans-1,2-Dichloroethene	5.42	96	22028	20.899	ug/l
22) Diisopropyl ether	6.31	45	66608	19.833	ug/l
23) Vinyl Acetate	6.26	43	175494	99.496	ug/l
24) 1,1-Dichloroethane	6.21	63	39438	20.154	ug/l #
25) 2-Butanone	7.18	43	28778	103.909	ug/l
26) 2,2-Dichloropropane	7.16	77	26475	19.968	ug/l
27) cis-1,2-Dichloroethene	7.16	96	23941	20.819	ug/l
28) Bromochloromethane	7.51	49	15617	20.177	ug/l
29) Tetrahydrofuran	7.53	42	18216	98.464	ug/l
30) Chloroform	7.68	83	39059	20.970	ug/l
31) Cyclohexane	7.95	56	39381	18.799	ug/l
32) 1,1,1-Trichloroethane	7.87	97	33021	20.375	ug/l
36) 1,1-Dichloropropene	8.08	75	32674	21.114	ug/l
37) Ethyl Acetate	7.26	43	13082	21.101	ug/l
38) Carbon Tetrachloride	8.06	117	30607	21.609	ug/l

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 Data File : VW008281.D
 Acq On : 15 Jan 2019 13:52
 Operator : SY/VA
 Sample : VW0115SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

Quant Time: Jan 16 01:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	38985	19.868	ug/l	95
40) Benzene	8.32	78	89351	21.288	ug/l	97
41) Methacrylonitrile	7.49	41	7695	19.648	ug/l	95
42) 1,2-Dichloroethane	8.40	62	25687	21.759	ug/l	96
43) Isopropyl Acetate	8.43	43	25284	20.397	ug/l	98
44) Trichloroethene	9.09	130	24030	22.365	ug/l	90
45) 1,2-Dichloropropane	9.37	63	22695	21.807	ug/l	96
46) Dibromomethane	9.46	93	11253	22.017	ug/l	97
47) Bromodichloromethane	9.64	83	28741	22.146	ug/l	100
48) Methyl methacrylate	9.44	41	11715	20.029	ug/l	89
49) 1,4-Dioxane	9.47	88	3696	449.652	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	62028	103.376	ug/l	98
52) Toluene	10.39	92	57740	21.540	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	28429	21.059	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	33366	20.843	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	16992	23.679	ug/l	96
56) Ethyl methacrylate	10.65	69	18794	21.148	ug/l	95
57) 1,3-Dichloropropane	10.93	76	28613	21.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	48651	105.981	ug/l	95
59) 2-Hexanone	10.97	43	44849	110.530	ug/l	98
60) Dibromochloromethane	11.13	129	19256	24.436	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15684	23.034	ug/l	99
64) Tetrachloroethene	10.87	164	19494	21.288	ug/l	94
65) Chlorobenzene	11.66	112	63386	21.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	21806	22.490	ug/l	98
67) Ethyl Benzene	11.73	91	111925	20.520	ug/l	96
68) m/p-Xylenes	11.84	106	88092	42.314	ug/l	97
69) o-Xylene	12.17	106	40431	20.972	ug/l	100
70) Styrene	12.18	104	65300	21.625	ug/l	98
71) Bromoform	12.35	173	10558	24.331	ug/l #	97
73) Isopropylbenzene	12.47	105	112715	19.989	ug/l	99
74) N-amyl acetate	12.27	43	23427	18.760	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	18717	20.737	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13761m	21.017	ug/l	
77) Bromobenzene	12.75	156	24619	20.662	ug/l	90
78) n-propylbenzene	12.81	91	133448	19.314	ug/l	97
79) 2-Chlorotoluene	12.90	91	72364	18.773	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	93844	20.252	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	5752	20.457	ug/l	96
82) 4-Chlorotoluene	12.99	91	81261	20.016	ug/l	97
83) tert-Butylbenzene	13.21	119	83579	20.388	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	96536	20.199	ug/l	97
85) sec-Butylbenzene	13.39	105	119567	19.911	ug/l	100
86) p-Isopropyltoluene	13.50	119	104682	20.187	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	53040	21.945	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	52322	21.576	ug/l	99
89) n-Butylbenzene	13.83	91	103487	20.376	ug/l	98
90) Hexachloroethane	14.10	117	19177	21.894	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	46196	21.748	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3037	20.908	ug/l	88

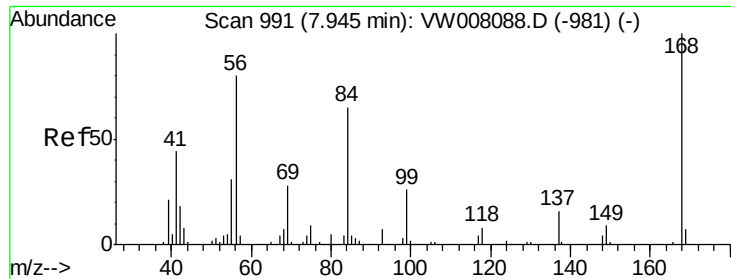
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011519\
Data File : VW008281.D
Acq On : 15 Jan 2019 13:52
Operator : SY/VA
Sample : VW0115SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

Quant Time: Jan 16 01:15:32 2019
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	29392	20.841	ug/l	96
94) Hexachlorobutadiene	15.24	225	17456	23.126	ug/l	97
95) Naphthalene	15.37	128	51900	19.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	25792	21.454	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

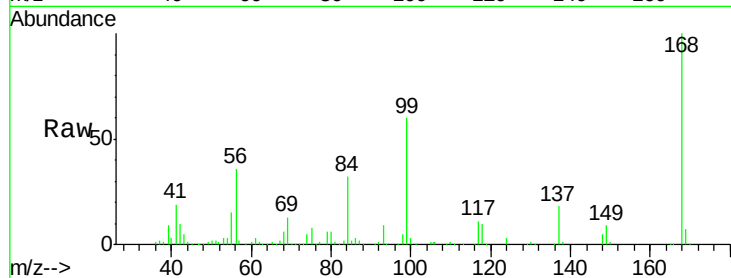
VW0115SBS01

Tot Ion:168 Resp: 88566

Ion Ratio Lower Upper

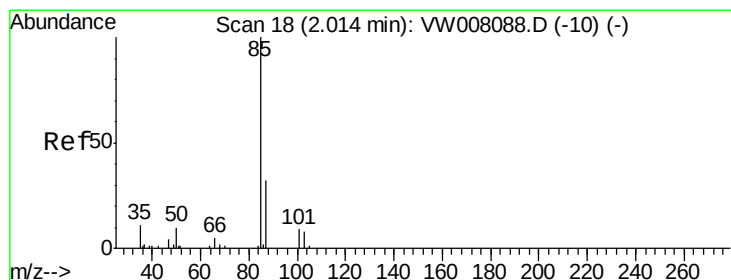
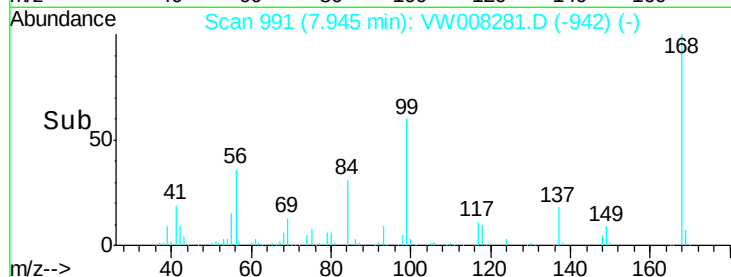
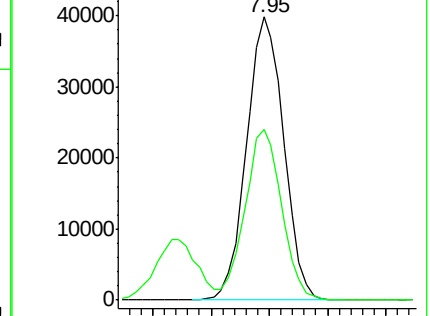
168 100

99 59.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.488 ug/l m

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008281.D

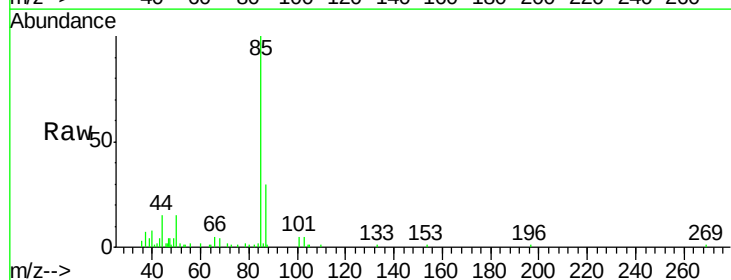
Acq: 15 Jan 2019 13:52

Tgt Ion: 85 Resp: 14086

Ion Ratio Lower Upper

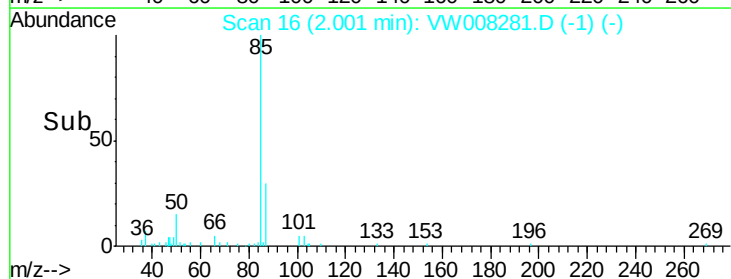
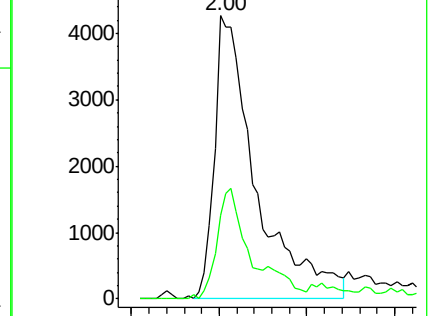
85 100

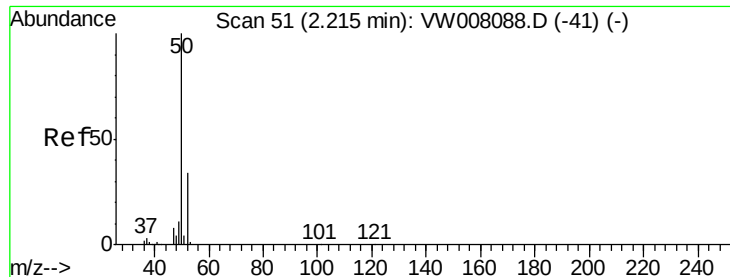
87 29.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.354 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

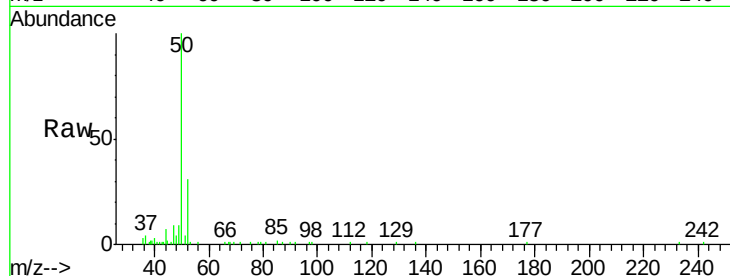
VW0115SBSD01

Tot Ion: 50 Resp: 18149

Ion Ratio Lower Upper

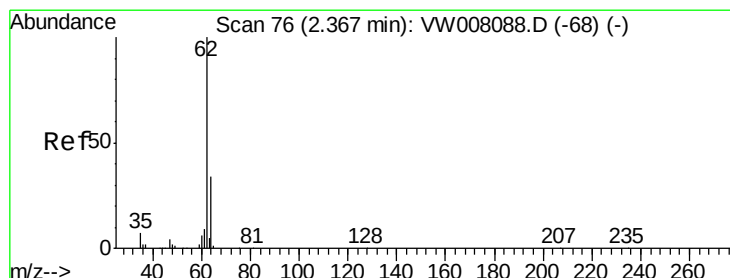
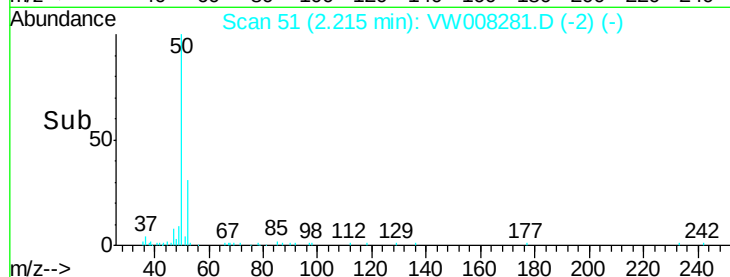
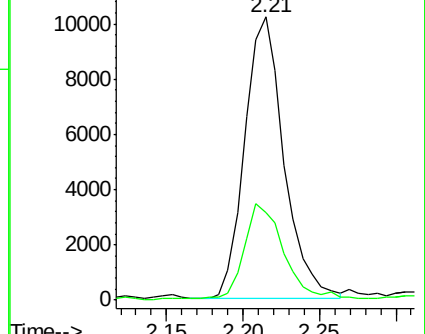
50 100

52 30.4 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.034 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008281.D

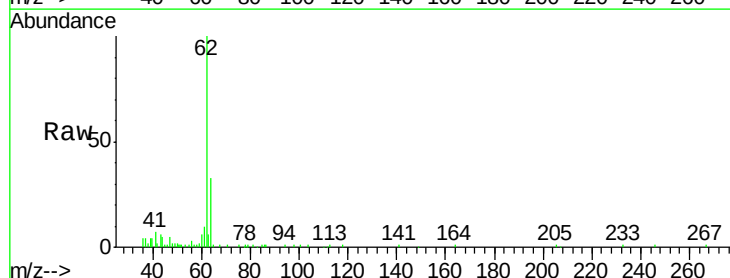
Acq: 15 Jan 2019 13:52

Tgt Ion: 62 Resp: 24520

Ion Ratio Lower Upper

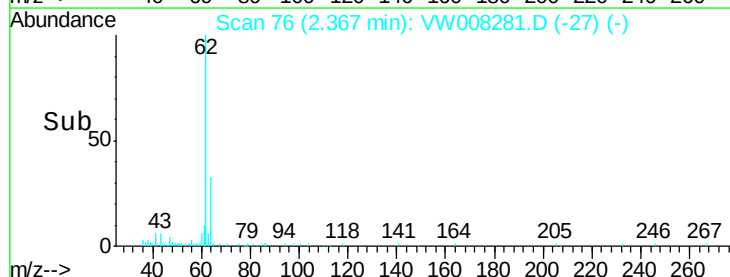
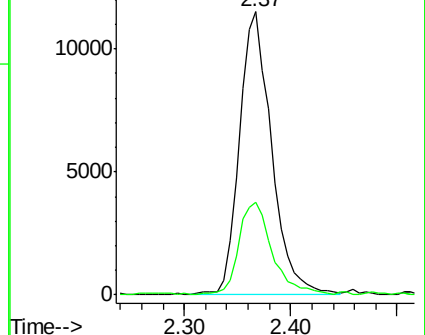
62 100

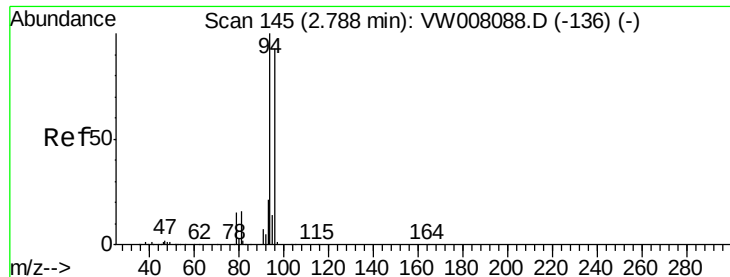
64 32.9 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.322 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

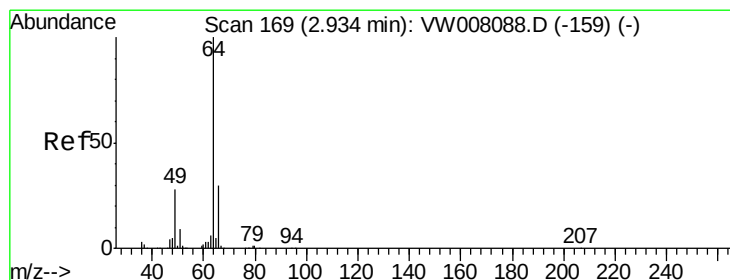
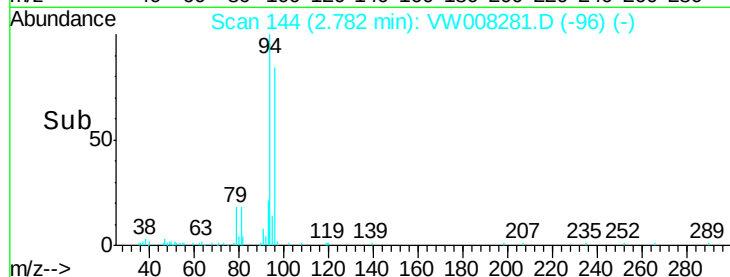
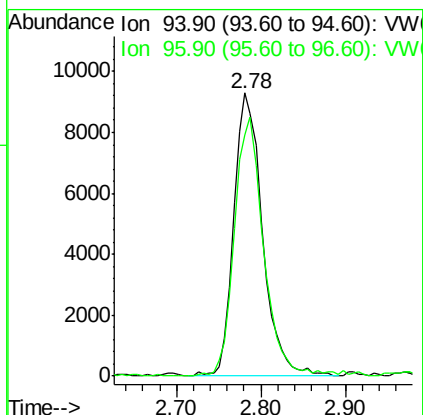
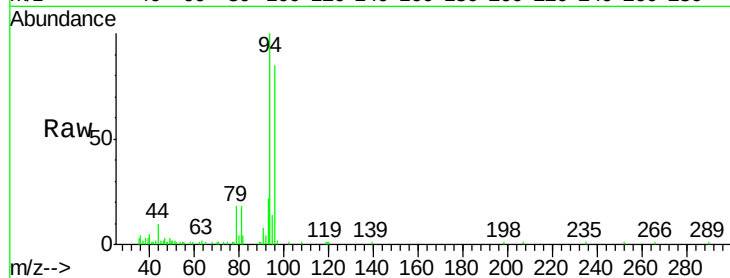
VW0115SBSD01

Tot Ion: 94 Resp: 21382

Ion Ratio Lower Upper

94 100

96 85.1 74.1 111.1



#6

Chloroethane

Concen: 19.648 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008281.D

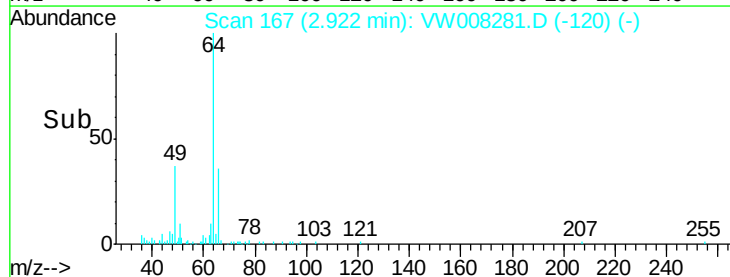
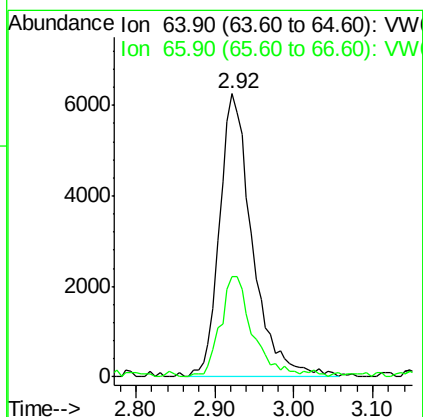
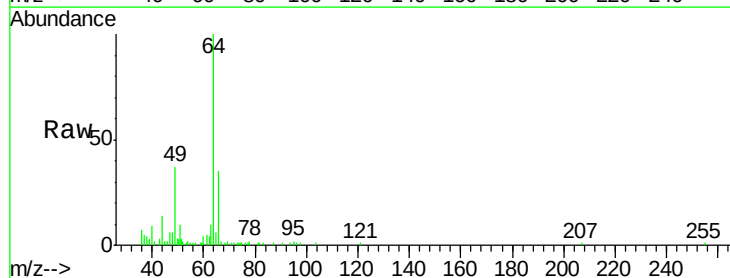
Acq: 15 Jan 2019 13:52

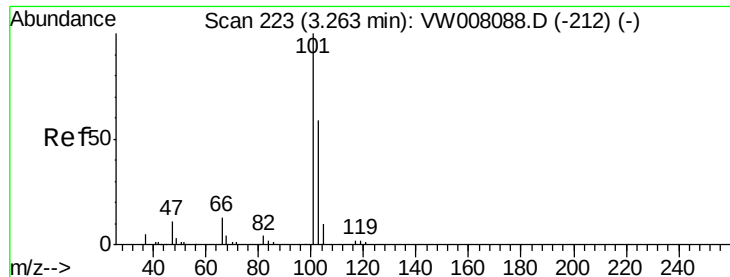
Tgt Ion: 64 Resp: 18095

Ion Ratio Lower Upper

64 100

66 35.4 24.2 36.2



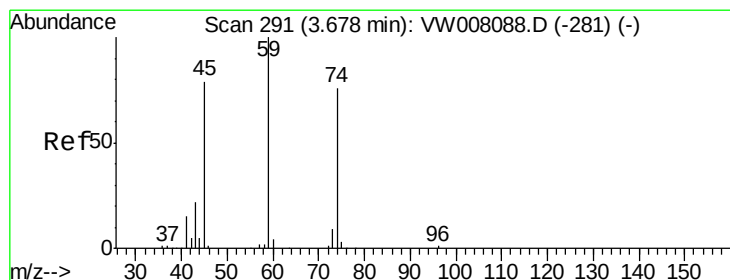
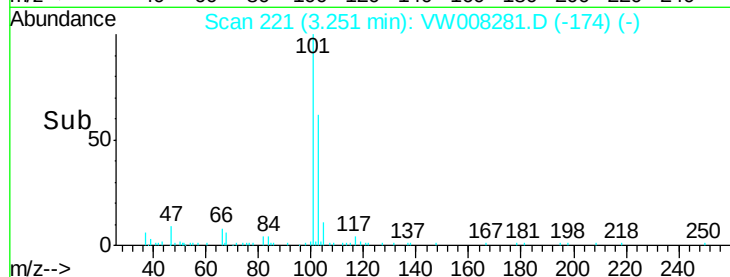
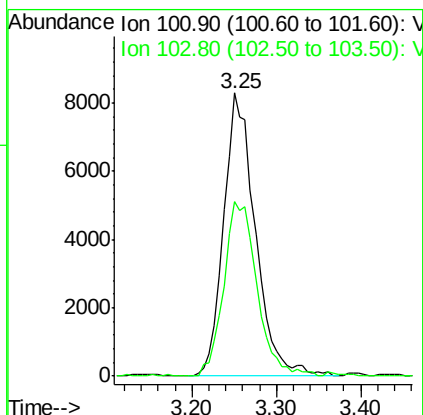
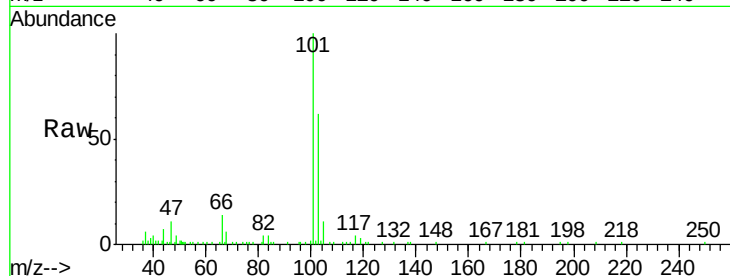


#7

Trichlorofluoromethane
Concen: 21.394 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

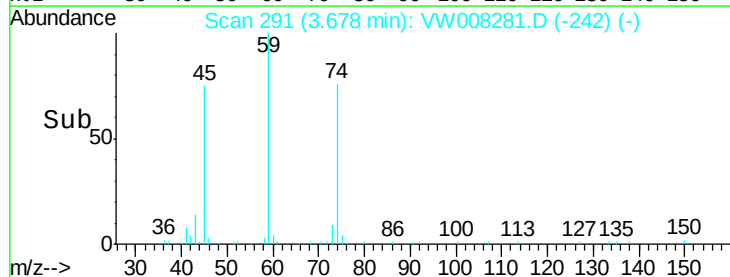
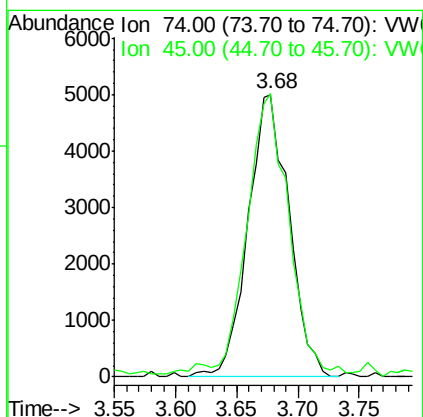
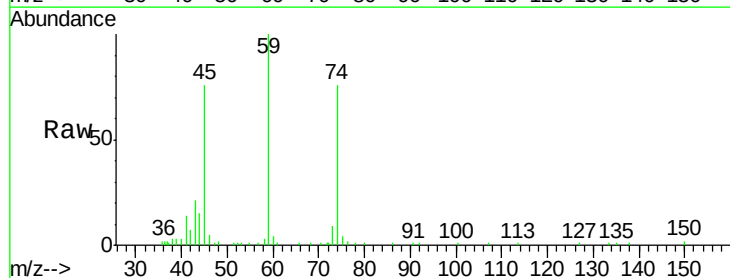
Tot Ion:101 Resp: 21287
Ion Ratio Lower Upper
101 100
103 61.6 47.0 70.6

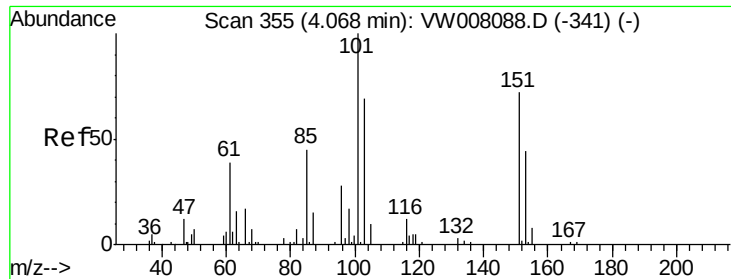


#8

Diethyl Ether
Concen: 20.756 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 74 Resp: 11675
Ion Ratio Lower Upper
74 100
45 102.6 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.165 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

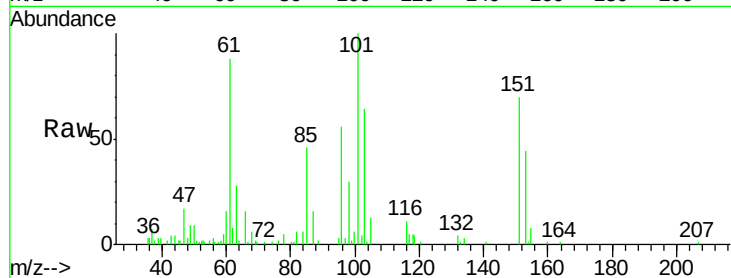
Tot Ion:101 Resp: 20908

Ion Ratio Lower Upper

101 100

85 42.9 35.9 53.9

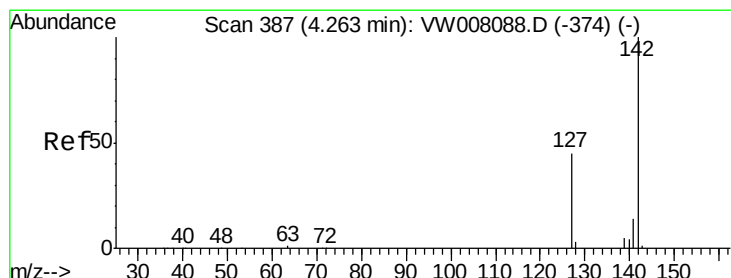
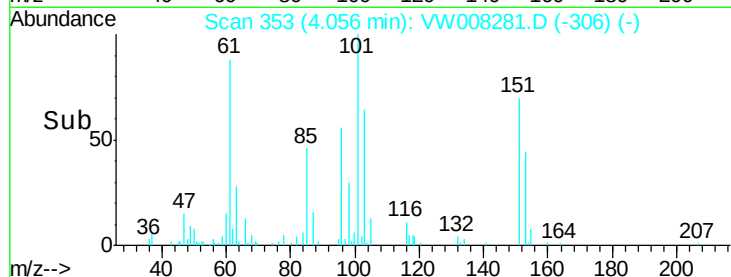
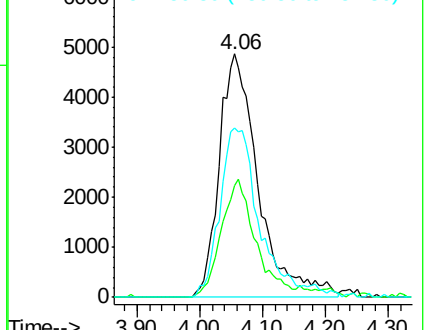
151 68.5 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.925 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

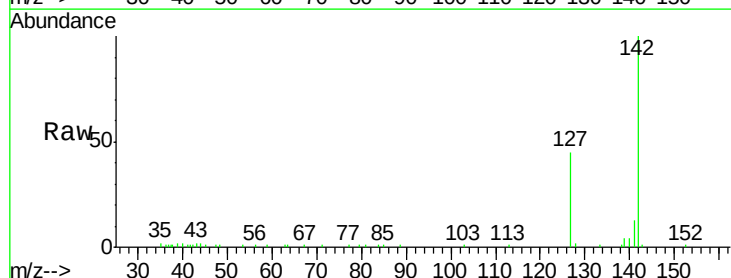
Tgt Ion:142 Resp: 28687

Ion Ratio Lower Upper

142 100

127 43.9 35.0 52.4

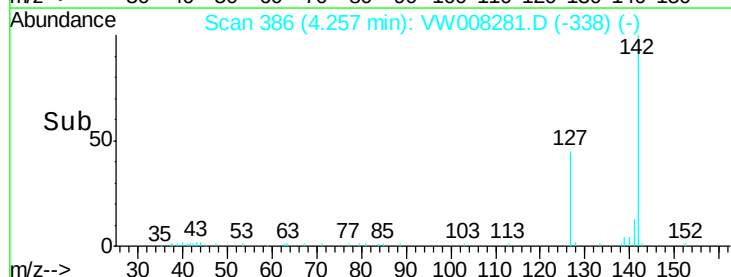
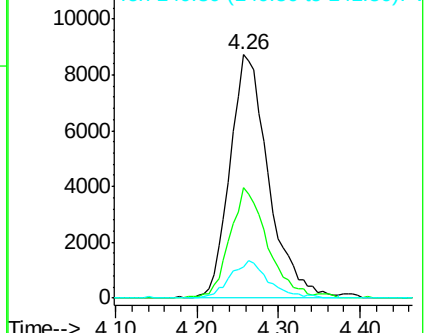
141 15.3 11.8 17.6

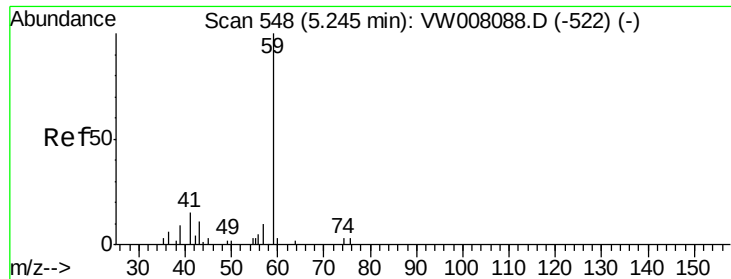


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 82.627 ug/l m

RT: 5.22 min Scan# 544

Delta R.T. -0.02 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

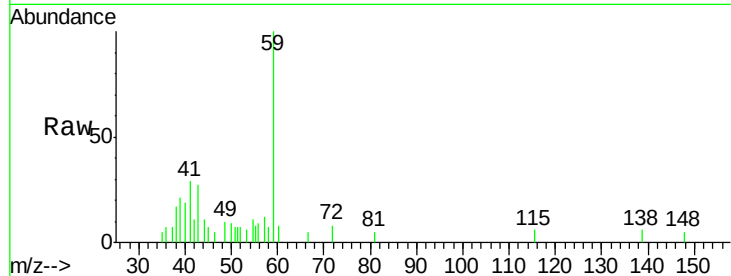
VW0115SBSD01

Tot Ion: 59 Resp: 6149

Ion Ratio Lower Upper

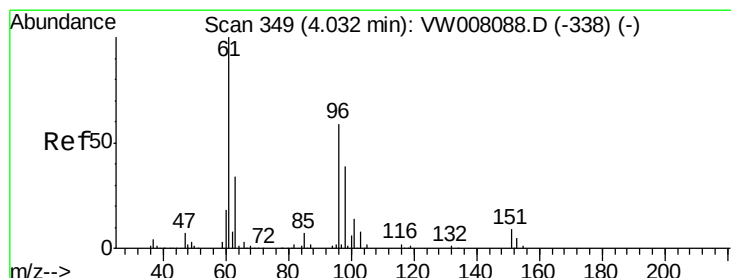
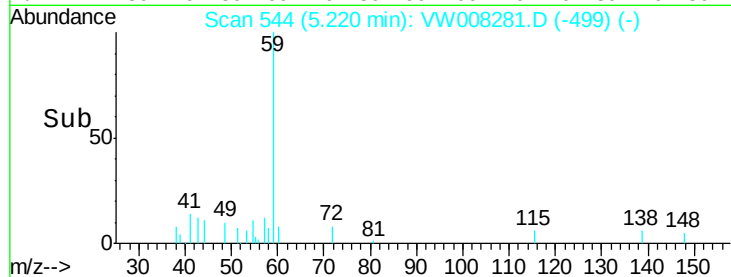
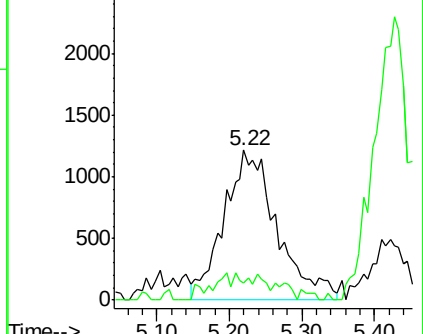
59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.443 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

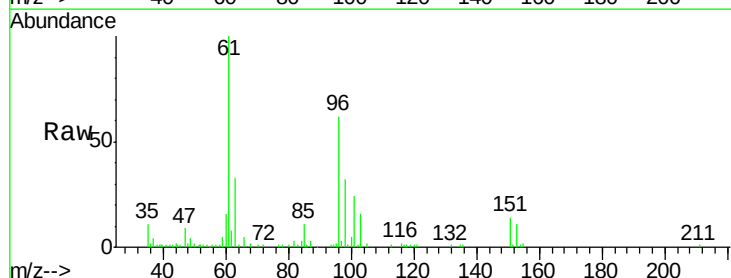
Tgt Ion: 96 Resp: 19828

Ion Ratio Lower Upper

96 100

61 160.7 135.4 203.2

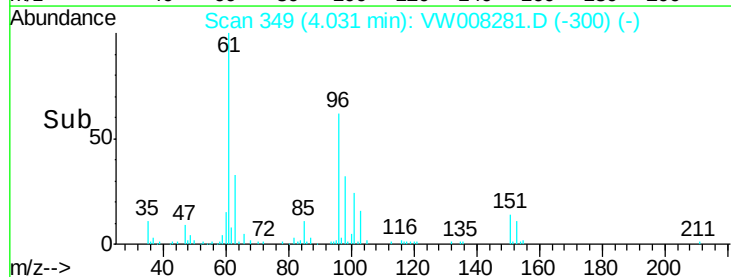
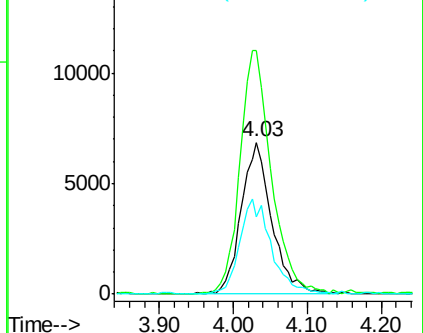
98 51.0 52.5 78.7#

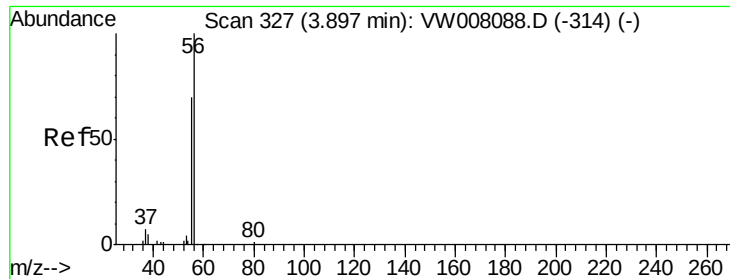


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 72.561 ug/l m

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

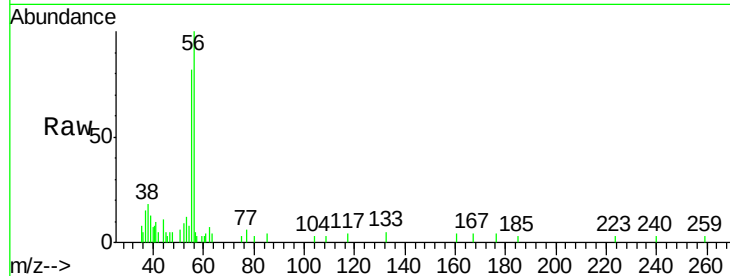
VW0115SBS01

Tot Ion: 56 Resp: 4879

Ion Ratio Lower Upper

56 100

55 75.3 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

1500

1000

500

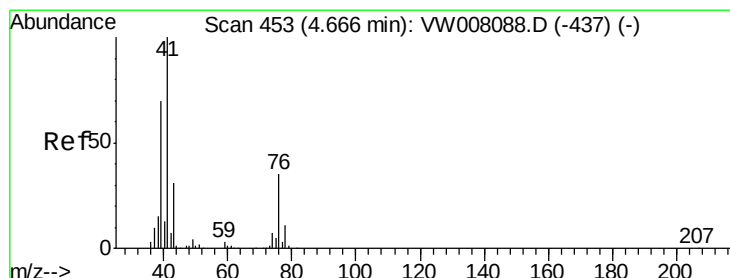
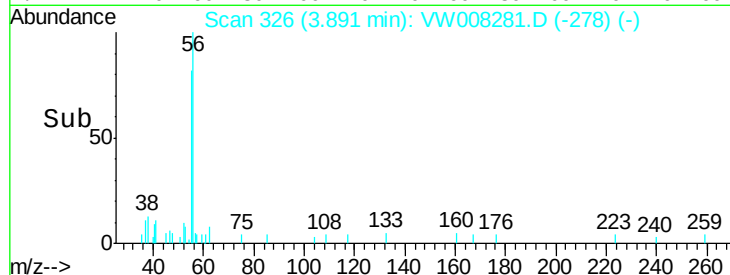
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 18.888 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

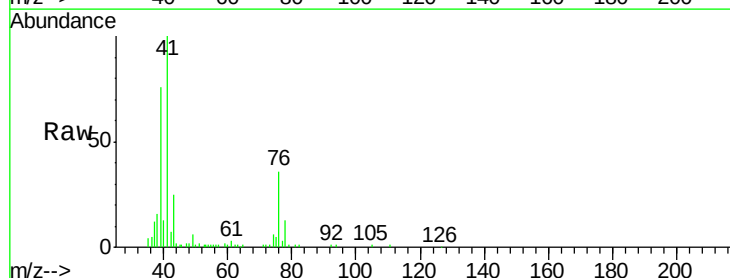
Tgt Ion: 41 Resp: 33260

Ion Ratio Lower Upper

41 100

39 69.4 53.8 80.8

76 37.5 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

15000

10000

5000

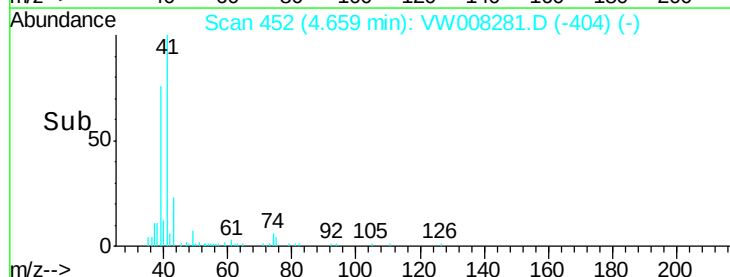
0

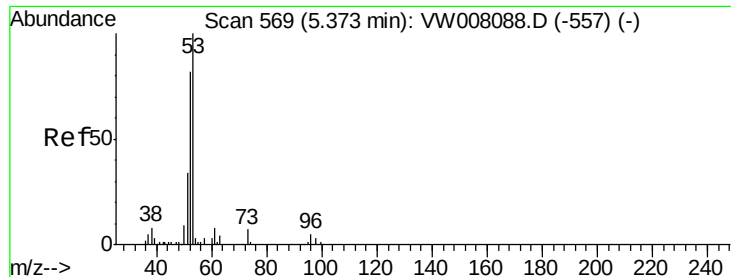
Time-->

4.50

4.60

4.70





#15

Acrylonitrile

Concen: 102.446 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

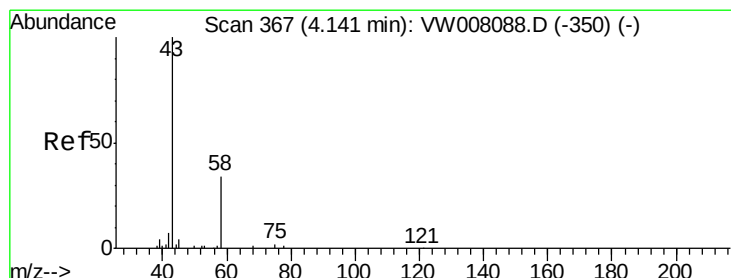
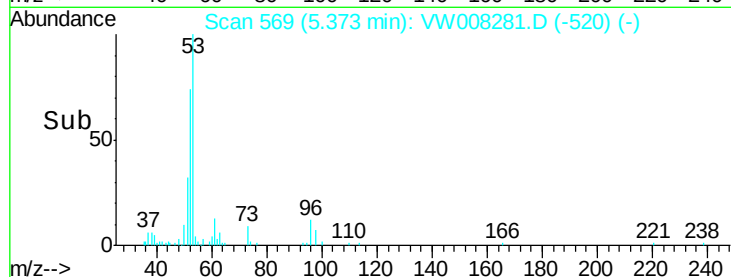
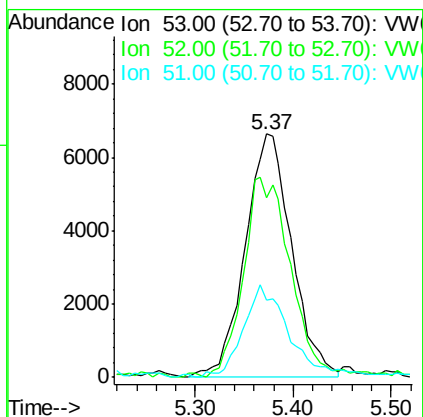
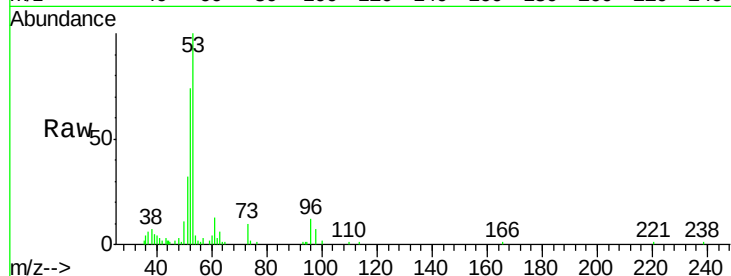
Tot Ion: 53 Resp: 21939

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.8	100.2
51	38.1	29.7	44.5

53 100

52 84.0 66.8 100.2

51 38.1 29.7 44.5



#16

Acetone

Concen: 106.106 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008281.D

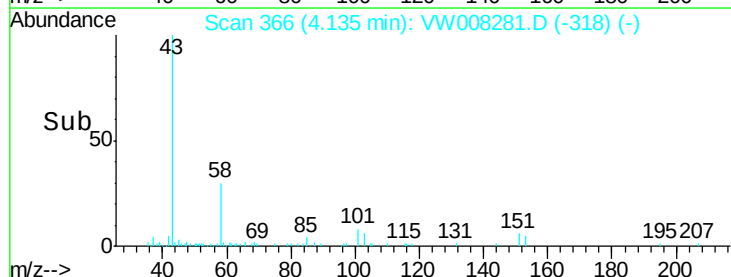
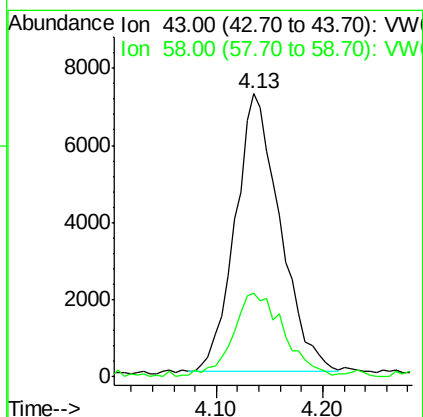
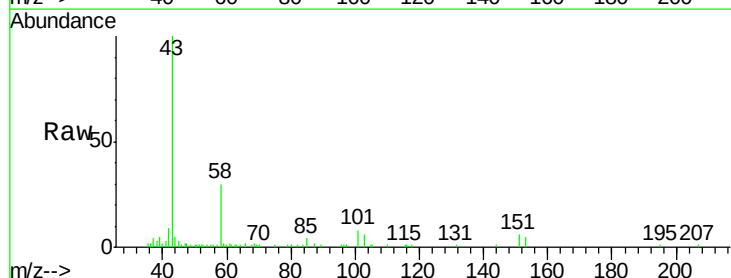
Acq: 15 Jan 2019 13:52

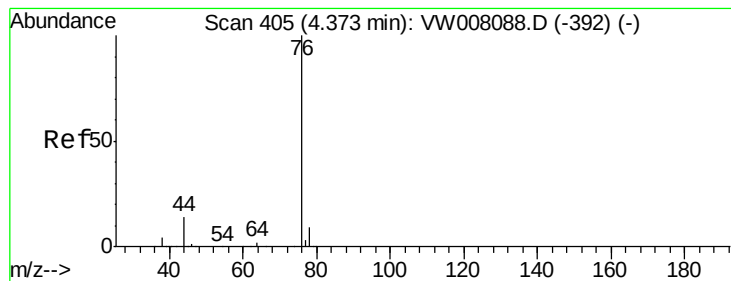
Tgt Ion: 43 Resp: 21163

Ion	Ratio	Lower	Upper
43	100		
58	29.5	27.5	41.3

43 100

58 29.5 27.5 41.3





#17

Carbon Disulfide

Concen: 19.214 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

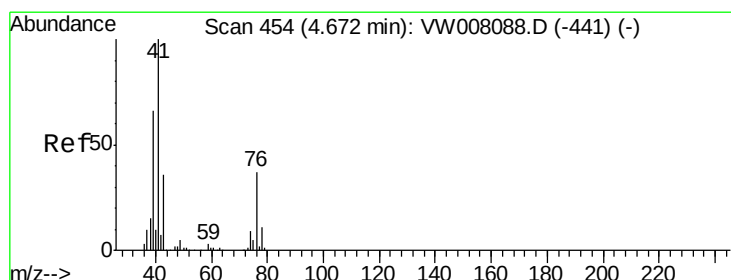
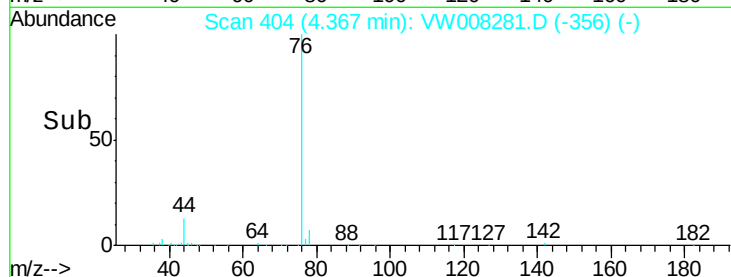
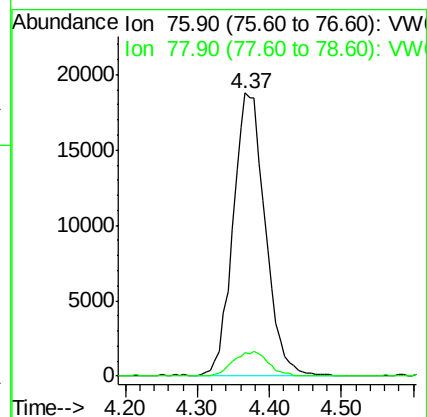
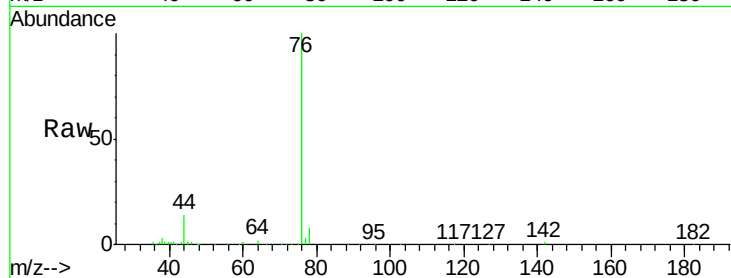
VW0115SBSD01

Tot Ion: 76 Resp: 58214

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6



#18

Methyl Acetate

Concen: 19.568 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008281.D

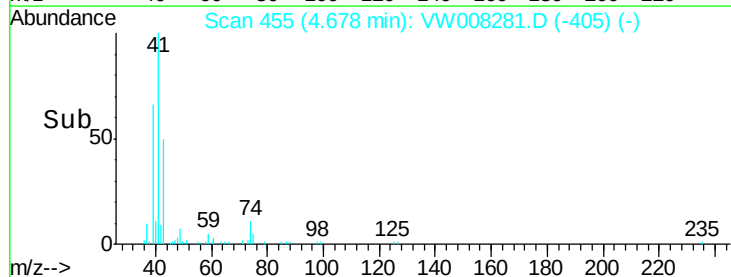
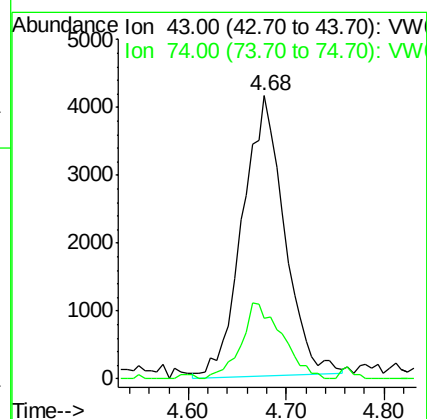
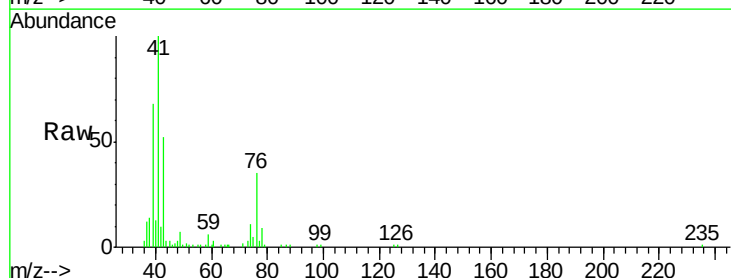
Acq: 15 Jan 2019 13:52

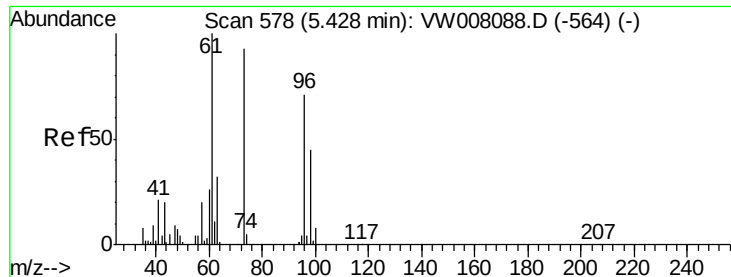
Tgt Ion: 43 Resp: 12311

Ion Ratio Lower Upper

43 100

74 26.4 19.0 28.4

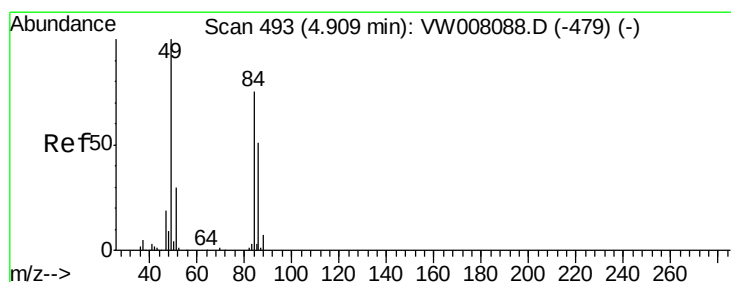
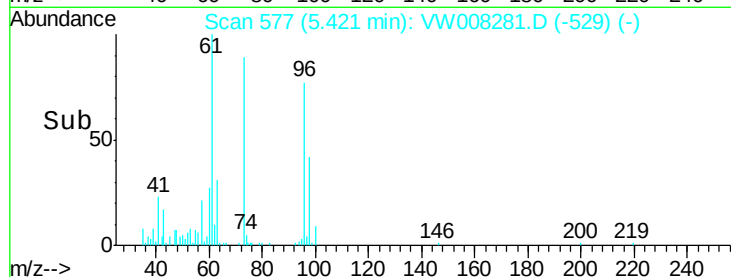
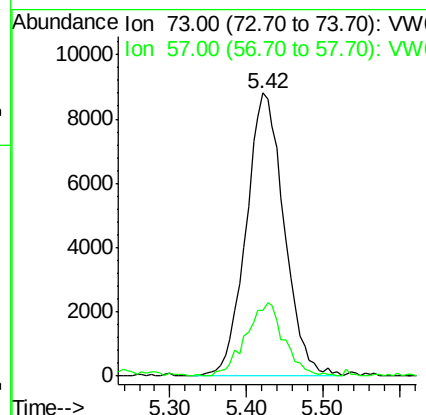
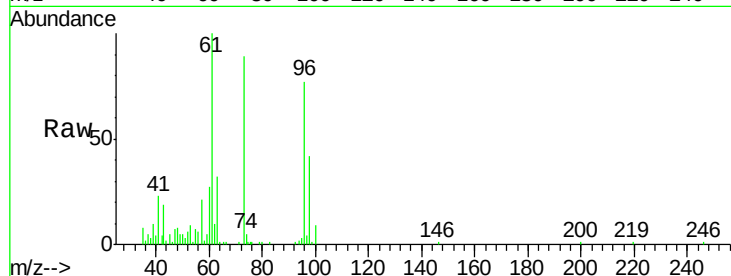




#19
Methyl tert-butyl Ether
Concen: 19.343 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

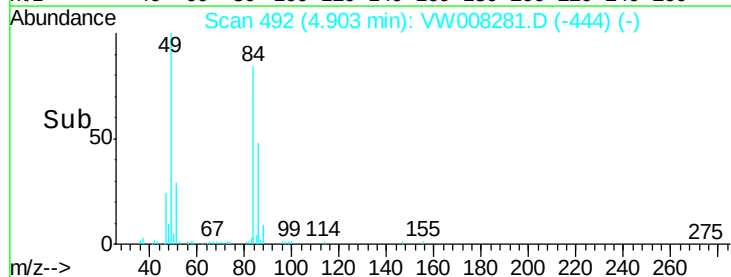
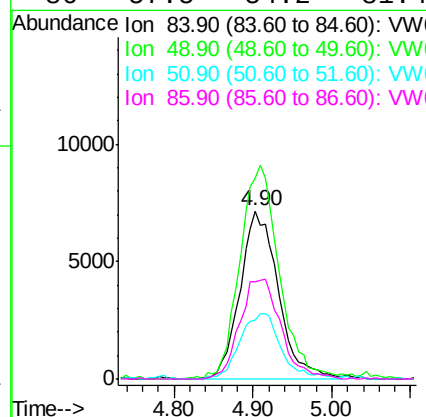
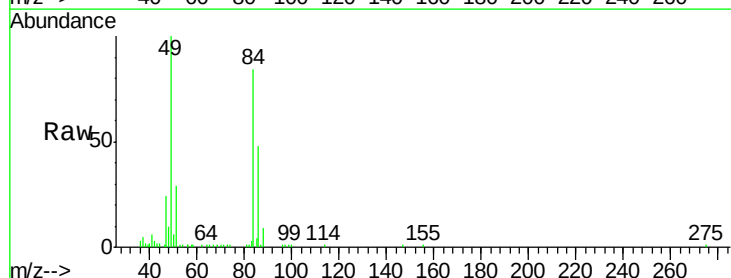
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBS01

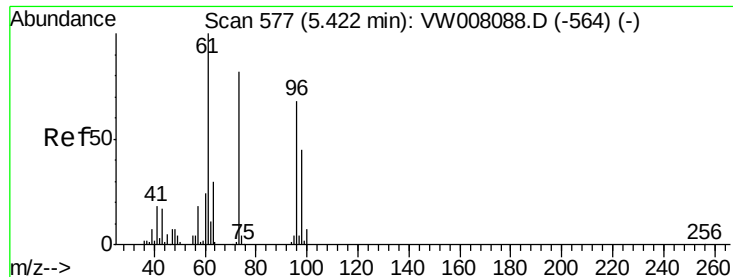
Tot Ion: 73 Resp: 30500
Ion Ratio Lower Upper
73 100
57 23.4 16.7 25.1



#20
Methylene Chloride
Concen: 21.942 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 84 Resp: 24148
Ion Ratio Lower Upper
84 100
49 118.6 107.1 160.7
51 35.1 32.4 48.6
86 57.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 20.899 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

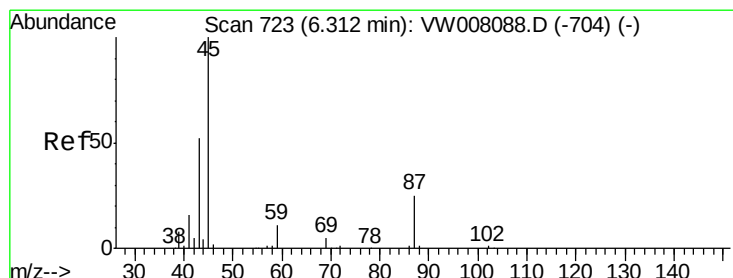
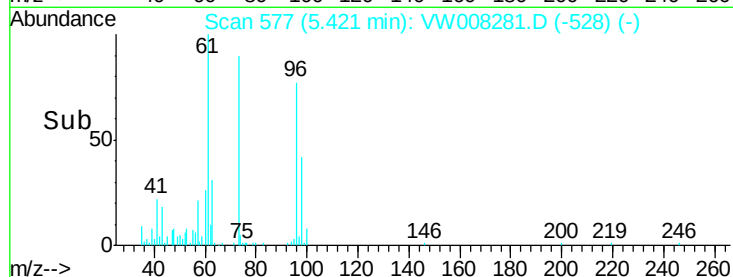
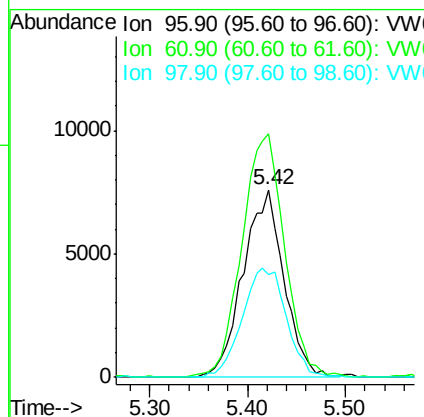
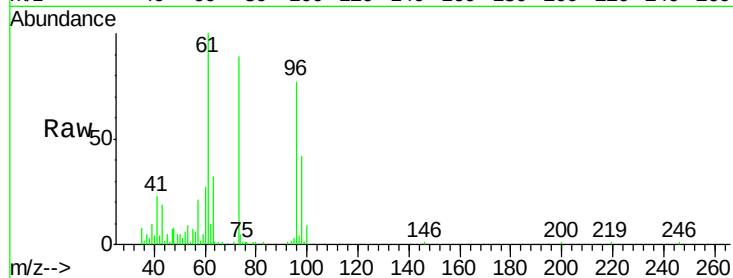
Tot Ion: 96 Resp: 22028

Ion Ratio Lower Upper

96 100

61 129.0 117.4 176.0

98 54.8 52.2 78.4



#22

Diisopropyl ether

Concen: 19.833 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Tgt Ion: 45 Resp: 66608

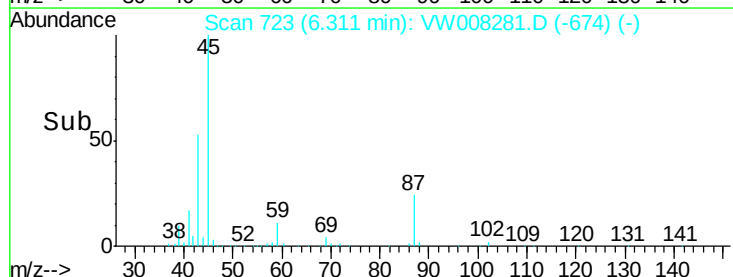
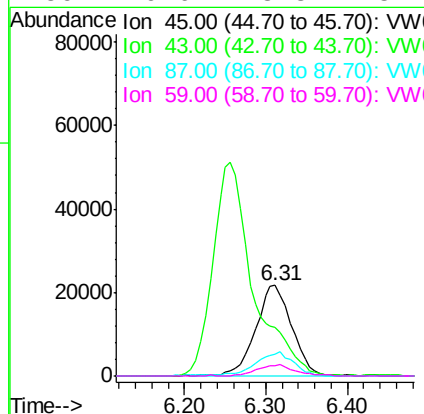
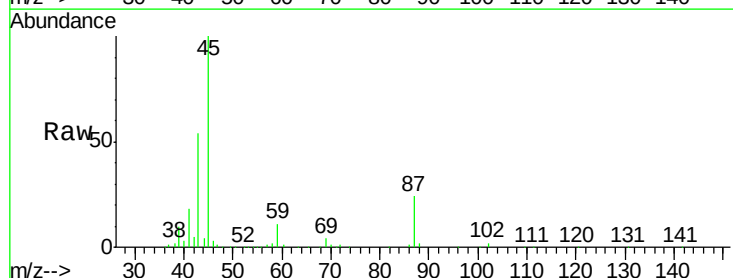
Ion Ratio Lower Upper

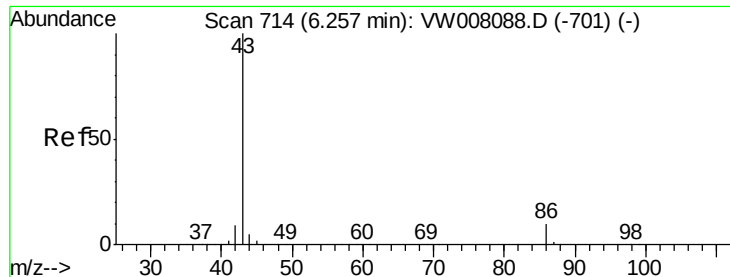
45 100

43 52.3 41.7 62.5

87 23.9 20.1 30.1

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 99.496 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

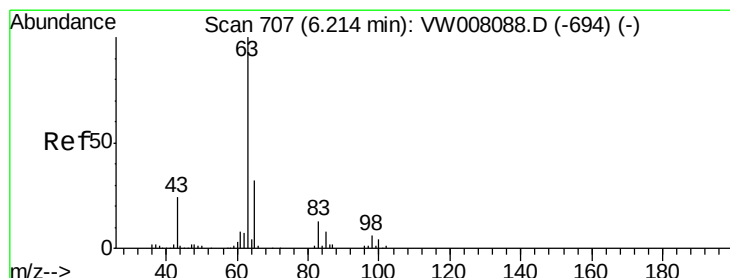
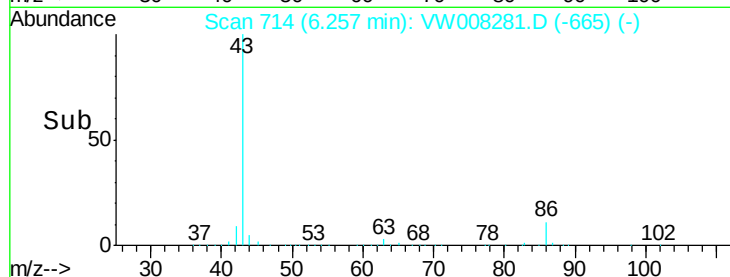
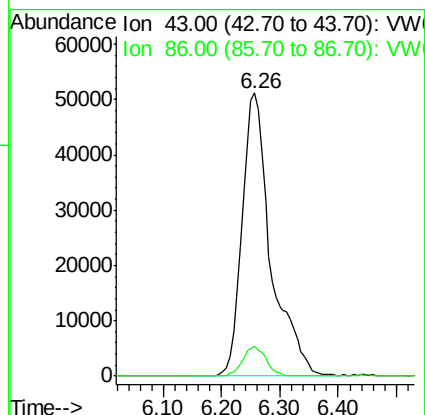
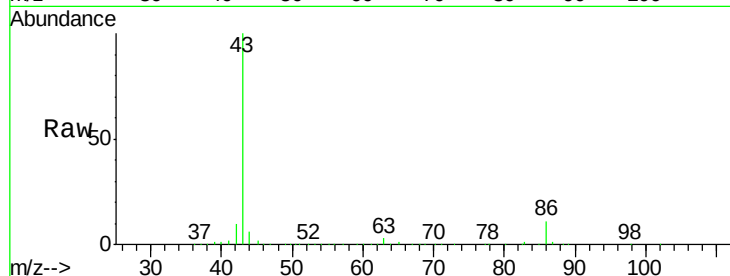
VW0115SBSD01

Tot Ion: 43 Resp: 175494

Ion Ratio Lower Upper

43 100

86 10.8 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.154 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

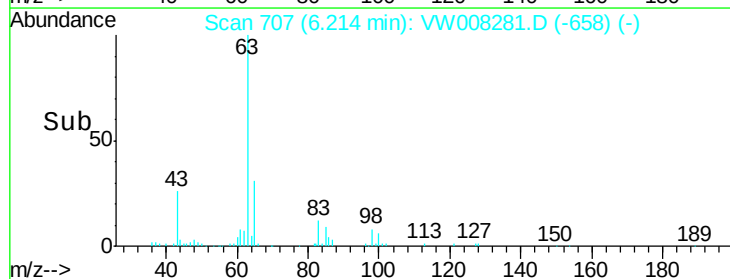
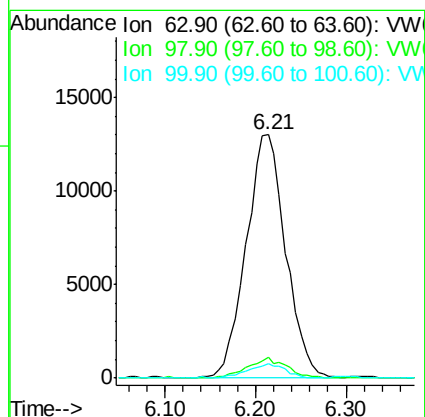
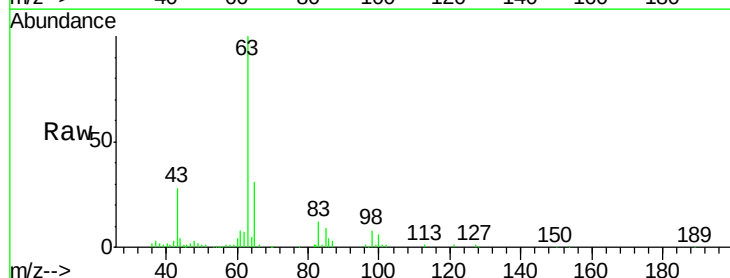
Tgt Ion: 63 Resp: 39438

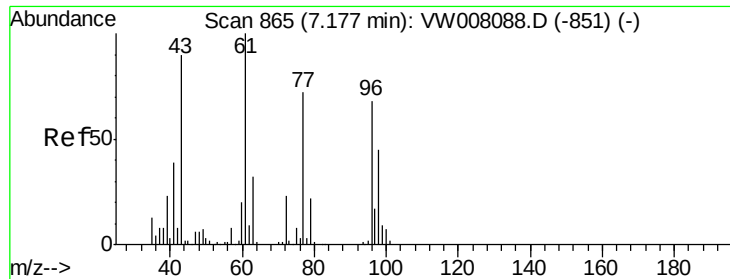
Ion Ratio Lower Upper

63 100

98 8.4 3.2 9.6

100 6.1 2.0 6.0#





#25

2-Butanone

Concen: 103.909 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

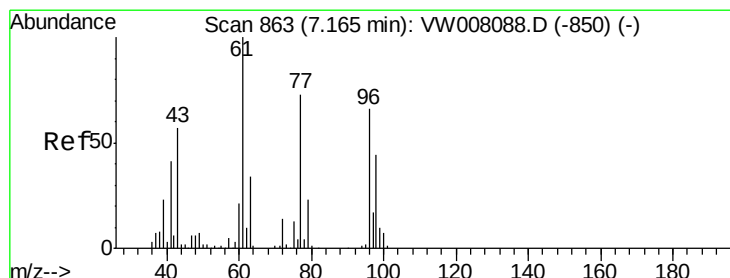
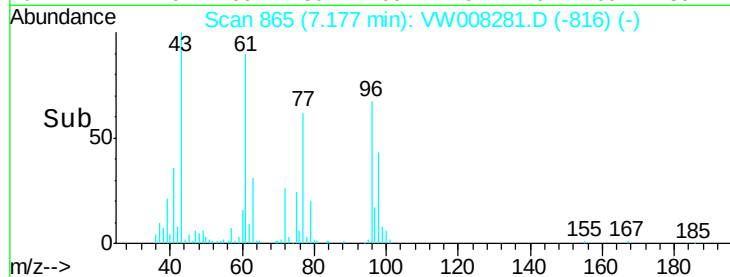
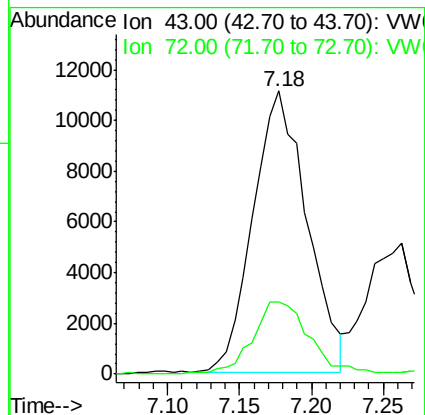
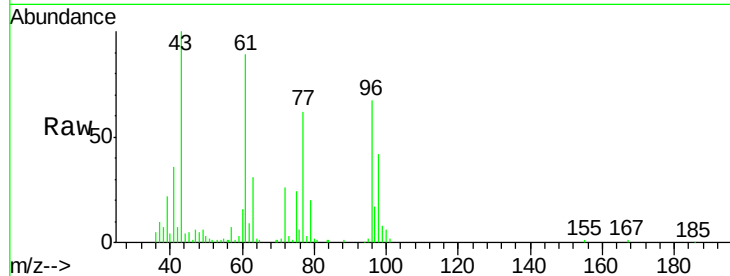
VW0115SBSD01

Tot Ion: 43 Resp: 28778

Ion Ratio Lower Upper

43 100

72 25.1 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008281.D

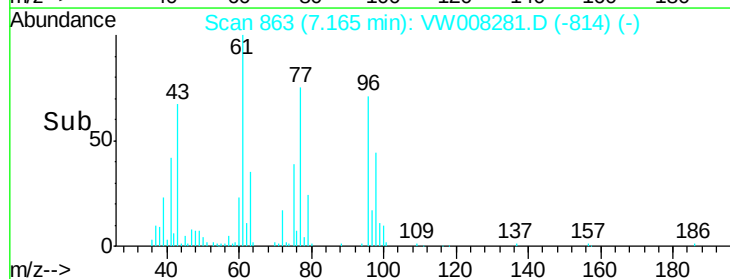
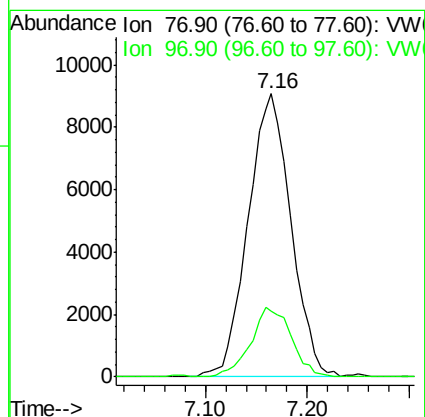
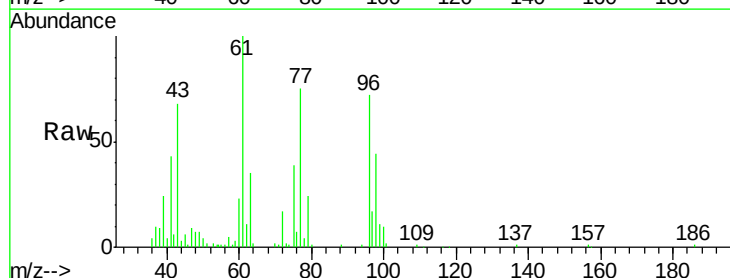
Acq: 15 Jan 2019 13:52

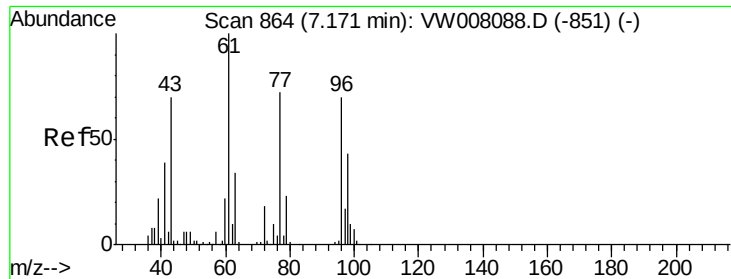
Tgt Ion: 77 Resp: 26475

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.1



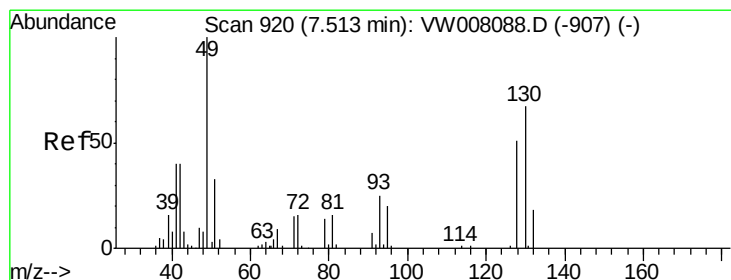
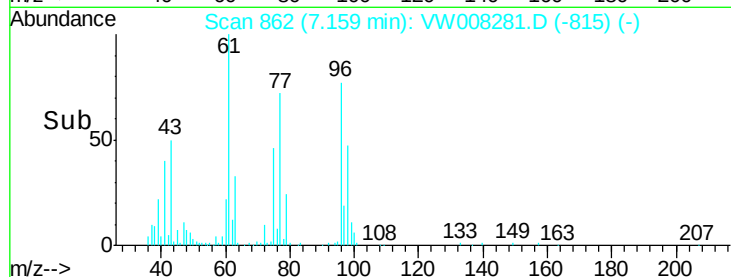
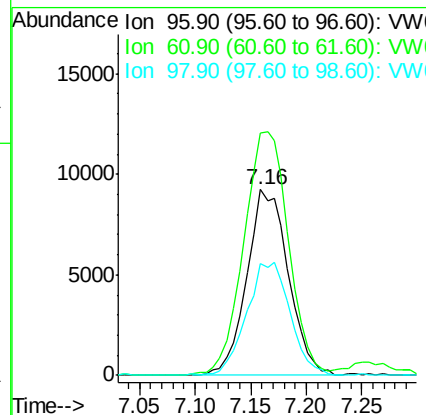
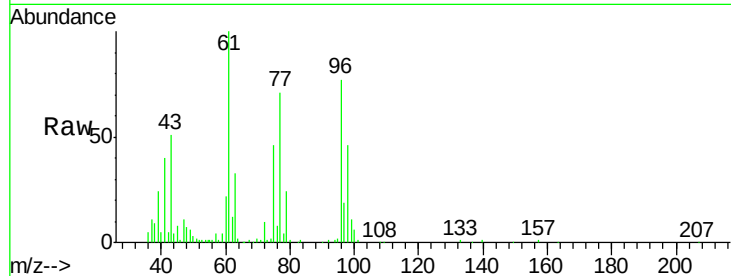


#27

cis-1,2-Dichloroethene
Concen: 20.819 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

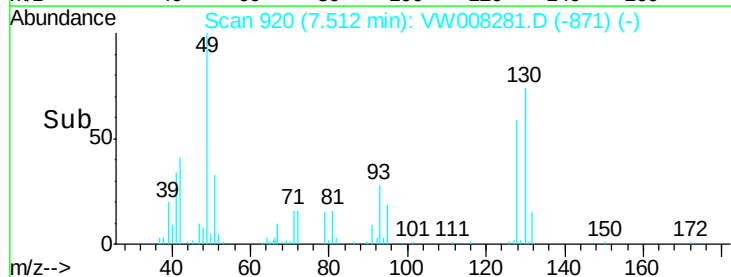
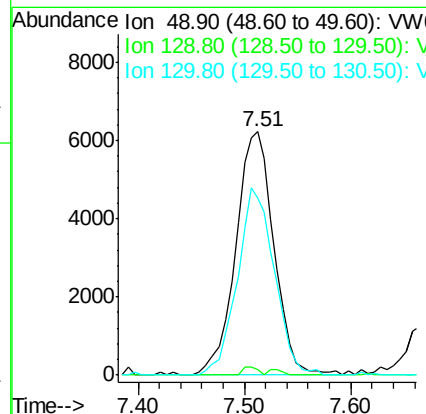
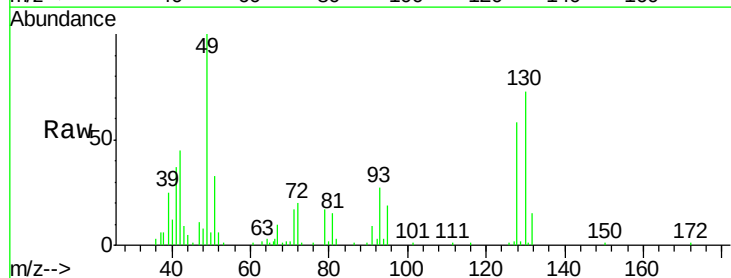
Tot Ion: 96 Resp: 23941
Ion Ratio Lower Upper
96 100
61 141.3 0.0 300.4
98 63.8 0.0 128.4

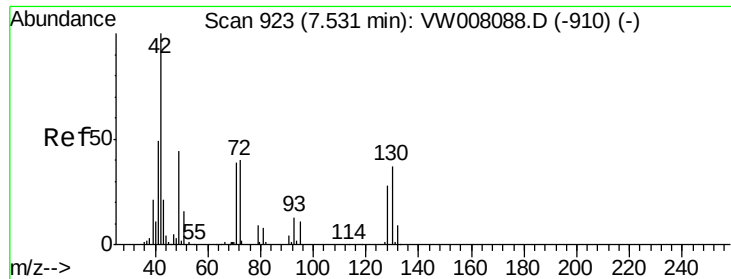


#28

Bromochloromethane
Concen: 20.177 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 49 Resp: 15617
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.8
130 74.9 54.3 81.5

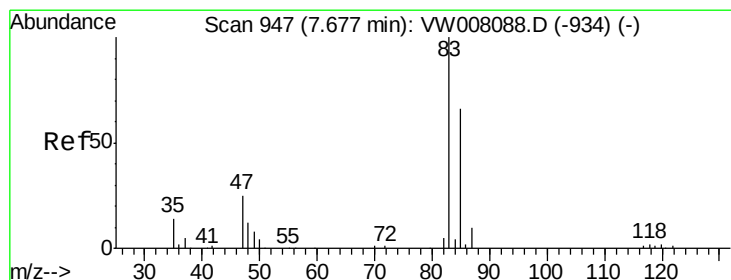
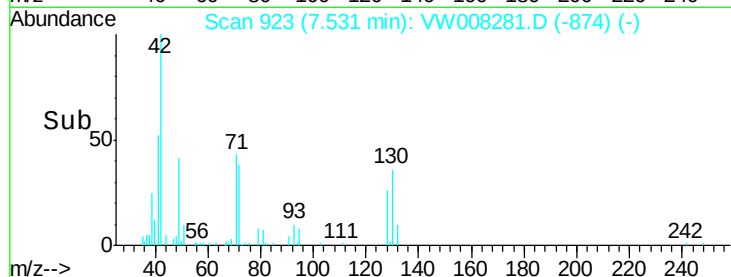
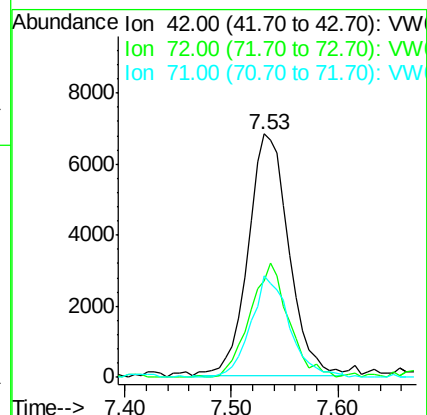
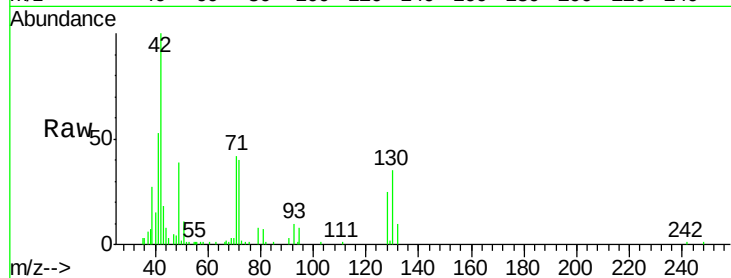




#29
Tetrahydrofuran
Concen: 98.464 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

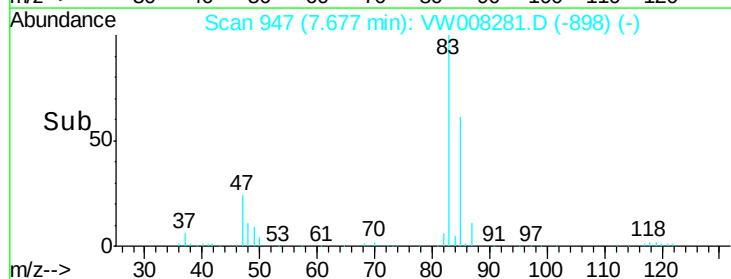
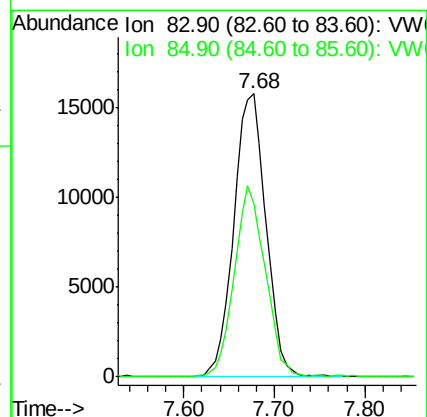
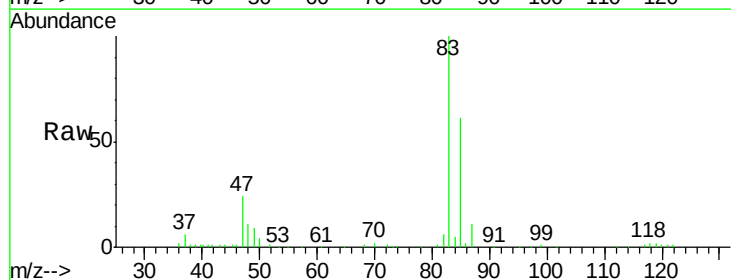
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

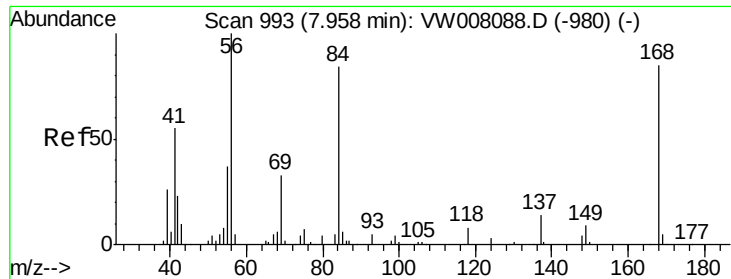
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	32.4	48.6
71	40.2	31.3	46.9



#30
Chloroform
Concen: 20.970 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.2	79.8

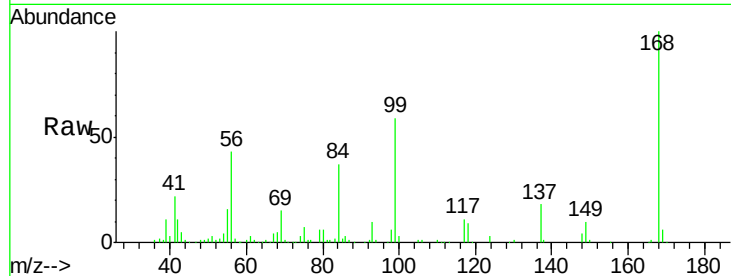




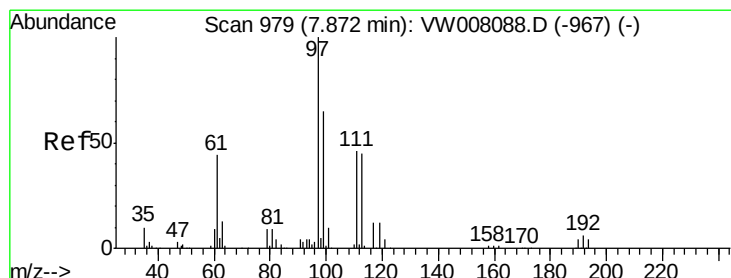
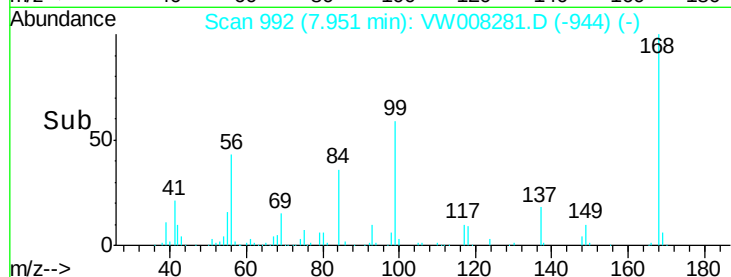
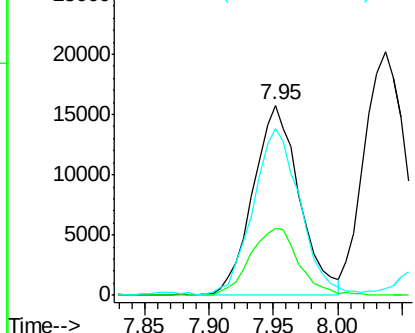
#31
Cyclohexane
Concen: 18.799 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

Tot Ion: 56 Resp: 39381
Ion Ratio Lower Upper
56 100
69 35.1 26.2 39.4
84 86.0 67.4 101.2

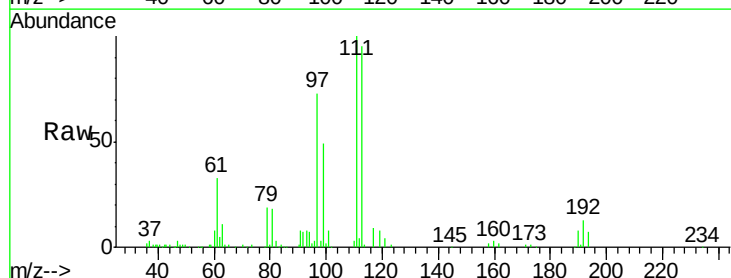


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

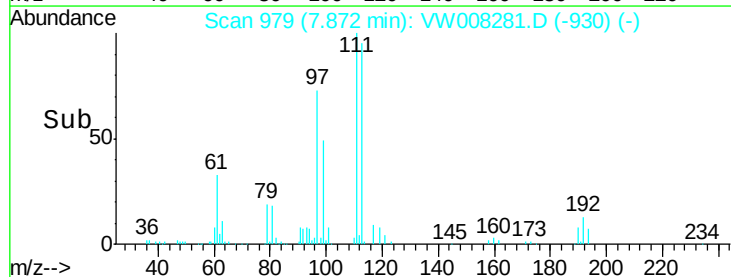
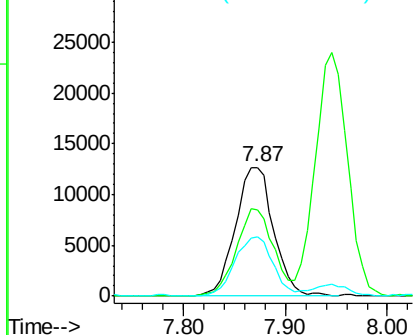


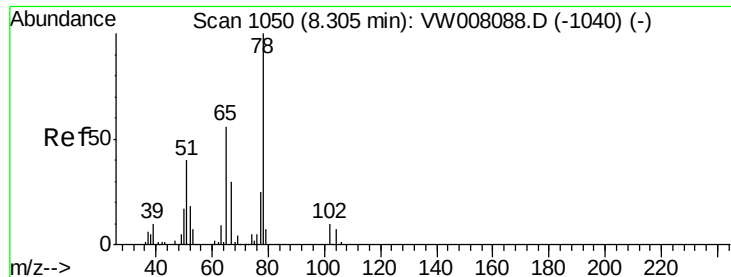
#32
1,1,1-Trichloroethane
Concen: 20.375 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 97 Resp: 33021
Ion Ratio Lower Upper
97 100
99 67.1 51.4 77.0
61 46.8 35.6 53.4



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

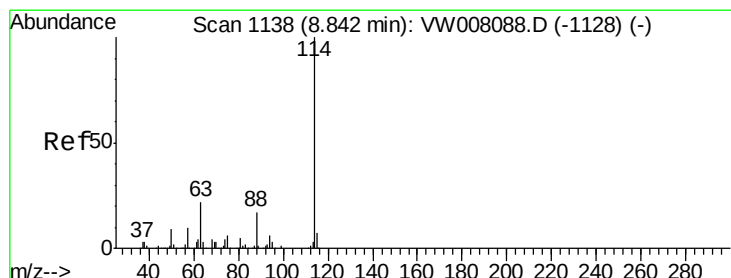
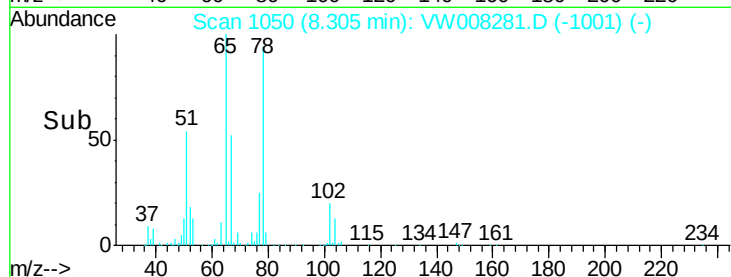
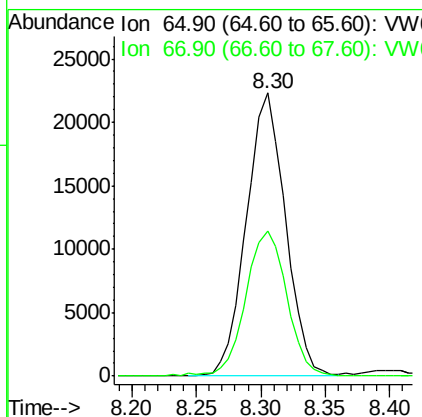
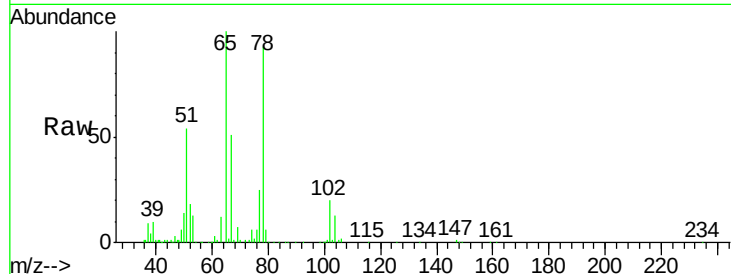




#33
 1,2-Dichloroethane-d4
 Concen: 47.183 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

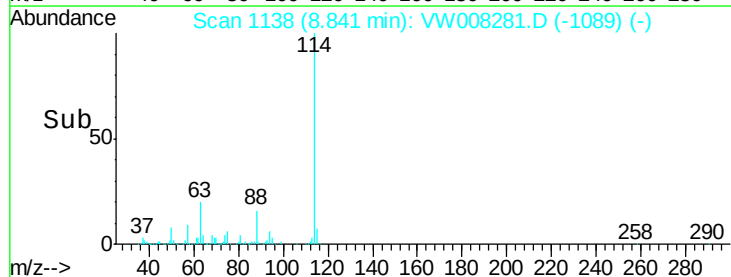
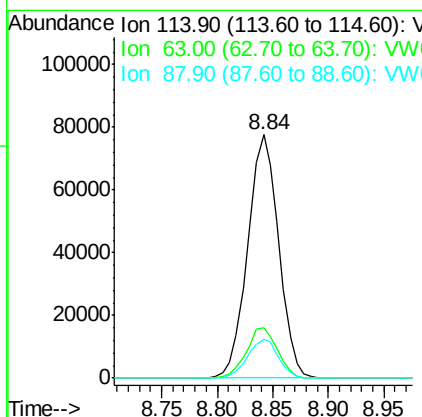
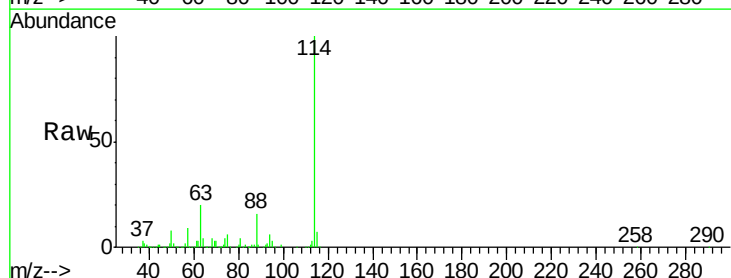
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

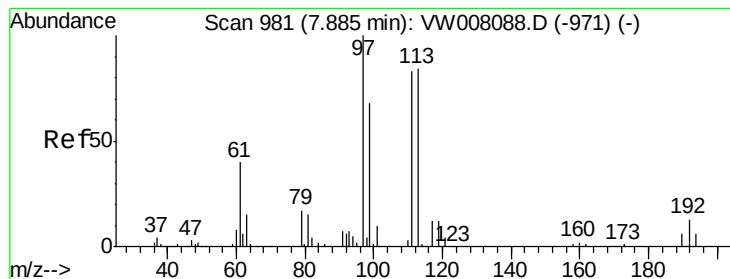
Tot Ion: 65 Resp: 46966
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion: 114 Resp: 150229
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.4
 88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.399 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

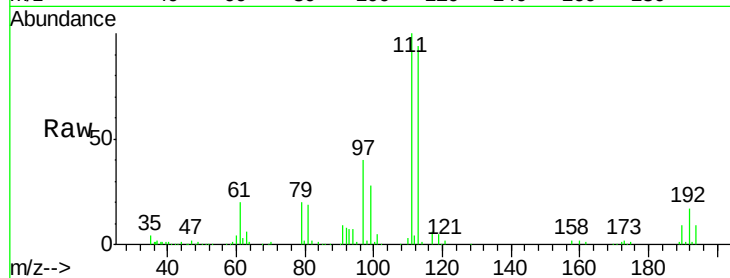
Tot Ion:113 Resp: 45912

Ion Ratio Lower Upper

113 100

111 105.6 81.8 122.8

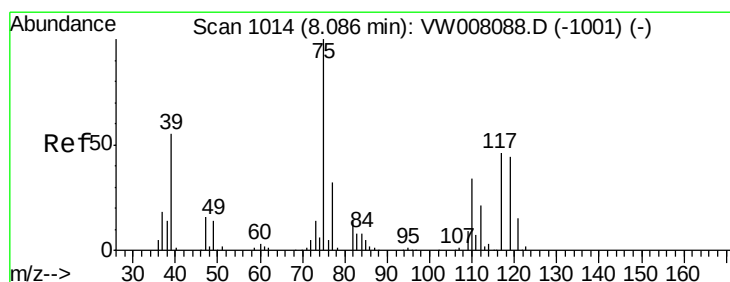
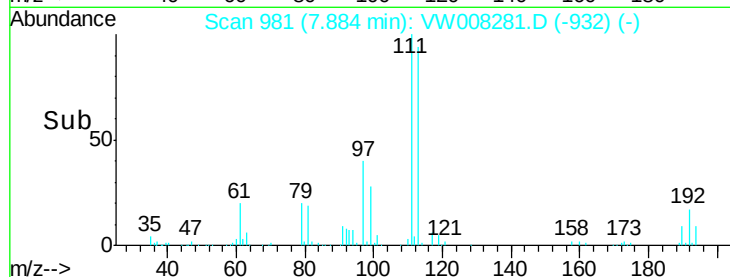
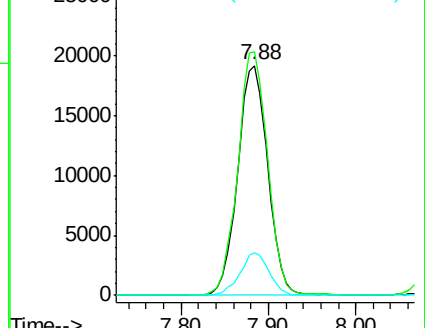
192 17.8 12.8 19.2



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: 21.114 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

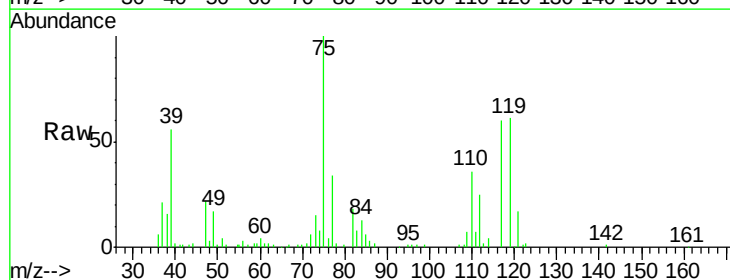
Tgt Ion: 75 Resp: 32674

Ion Ratio Lower Upper

75 100

110 35.6 17.1 51.3

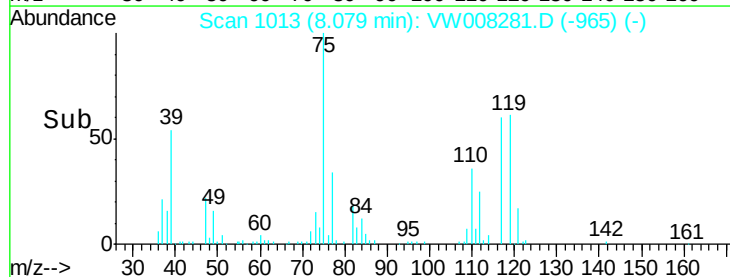
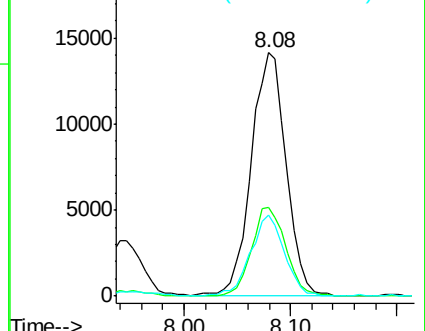
77 32.1 25.5 38.3

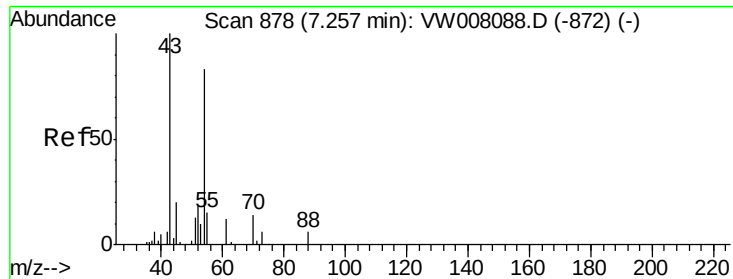


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

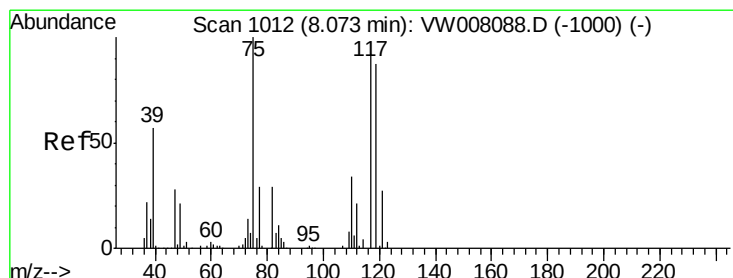
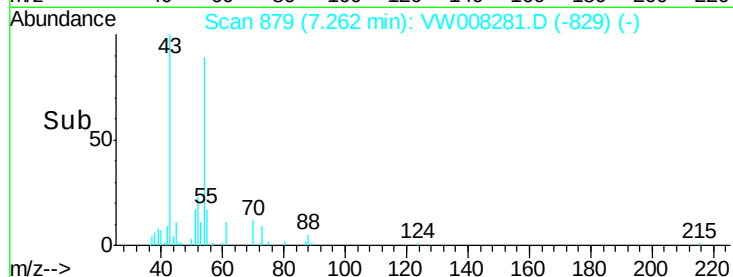
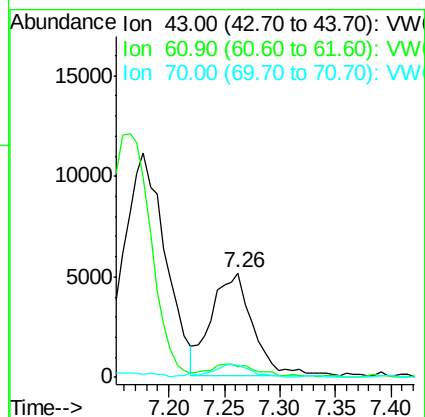
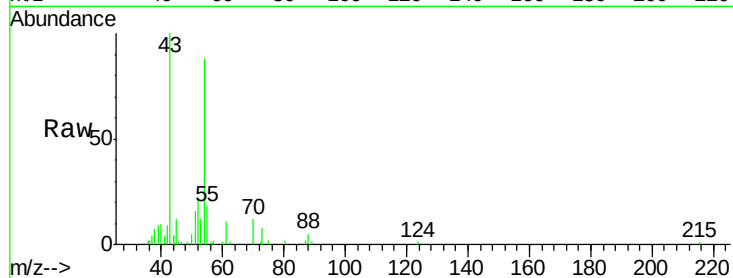




#37
Ethyl Acetate
Concen: 21.101 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

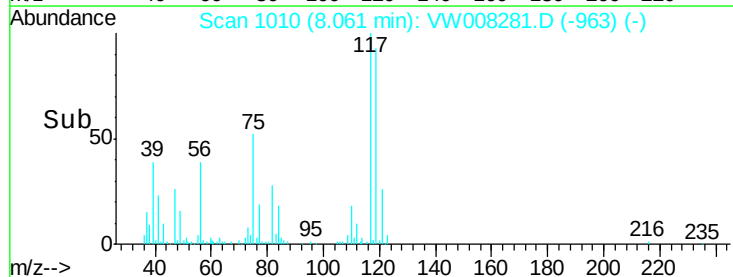
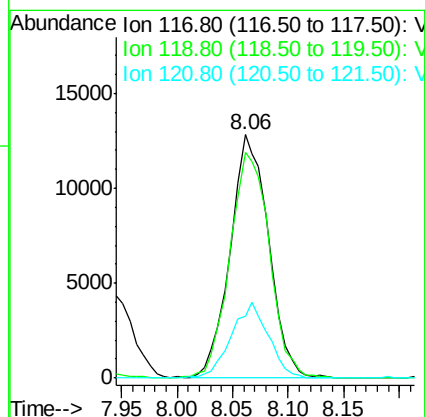
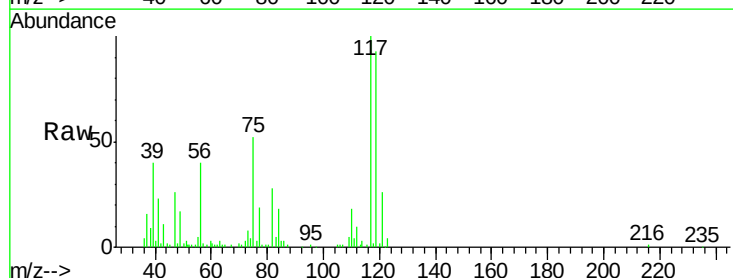
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBS01

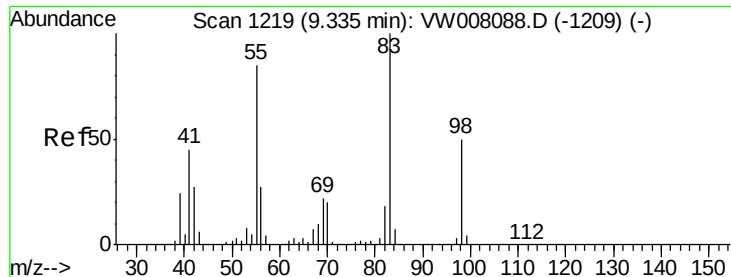
Tot Ion: 43 Resp: 13082
Ion Ratio Lower Upper
43 100
61 12.0 10.6 16.0
70 12.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 21.609 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 117 Resp: 30607
Ion Ratio Lower Upper
117 100
119 92.8 75.8 113.8
121 25.6 23.7 35.5

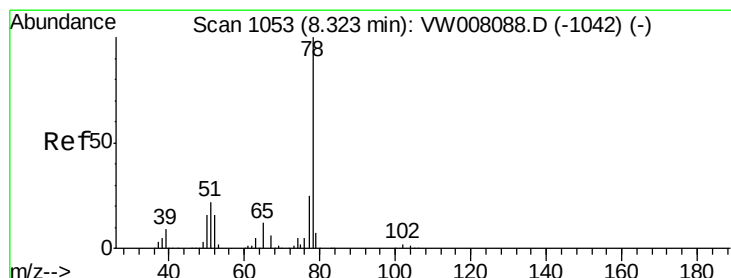
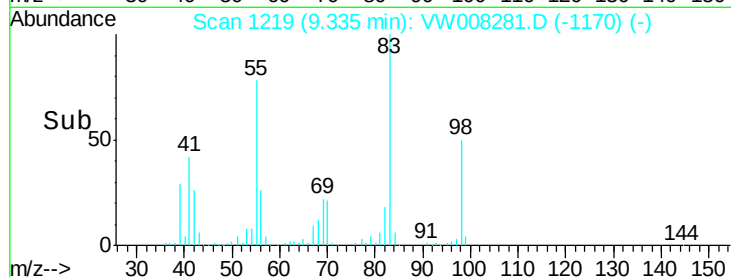
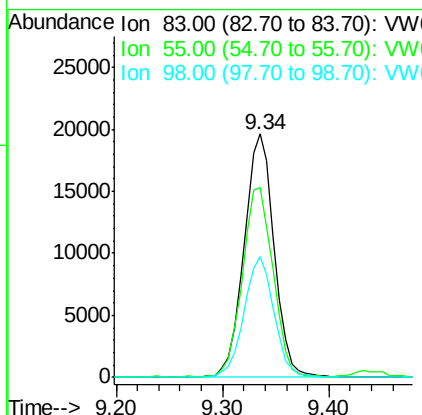
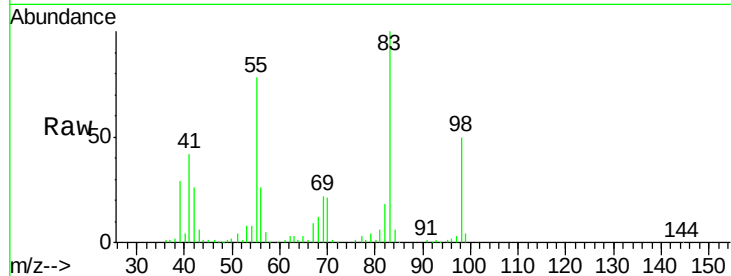




#39
Methylvlcyclohexane
Concen: 19.868 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

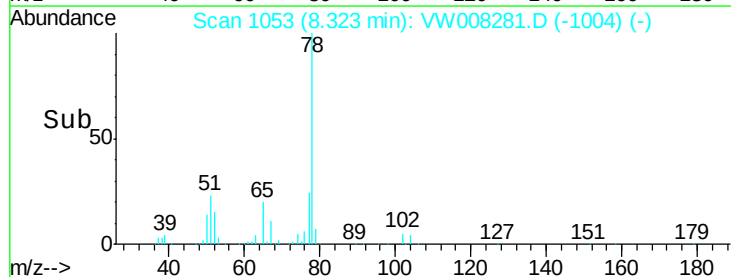
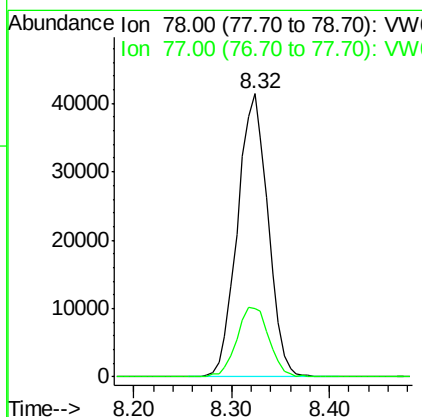
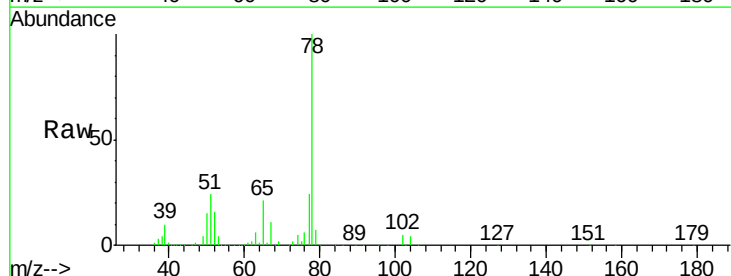
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

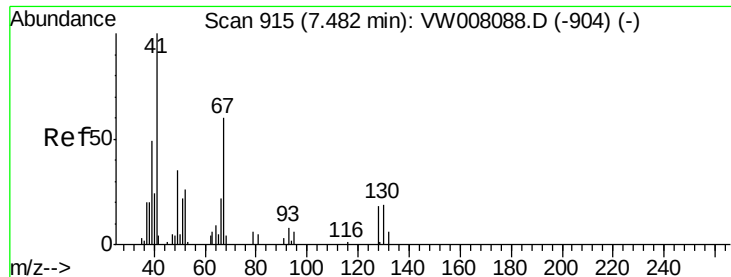
Tot Ion: 83 Resp: 38985
Ion Ratio Lower Upper
83 100
55 77.3 67.8 101.6
98 49.6 40.2 60.4



#40
Benzene
Concen: 21.288 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 78 Resp: 89351
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.4

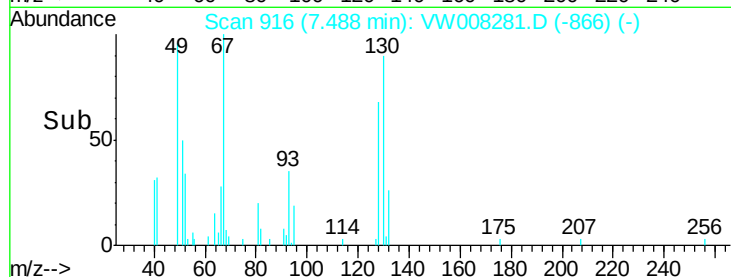
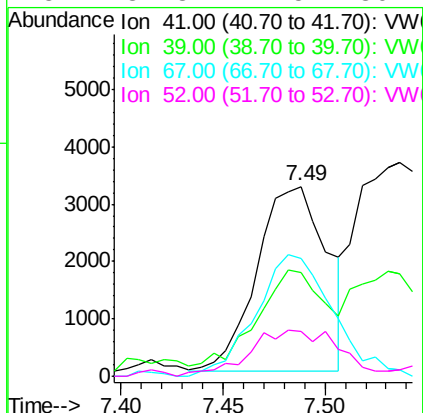
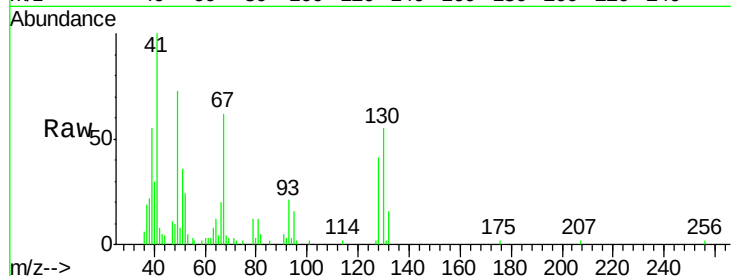




#41
Methacrylonitrile
Concen: 19.648 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

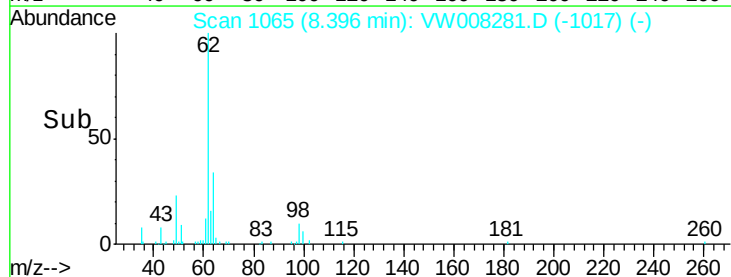
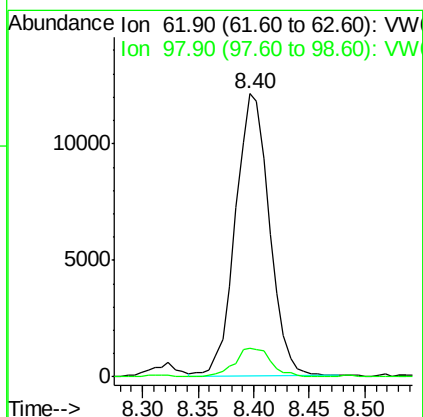
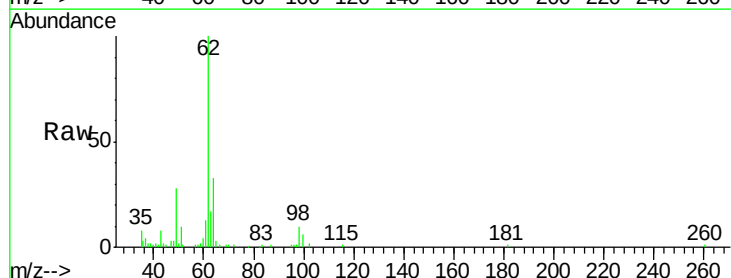
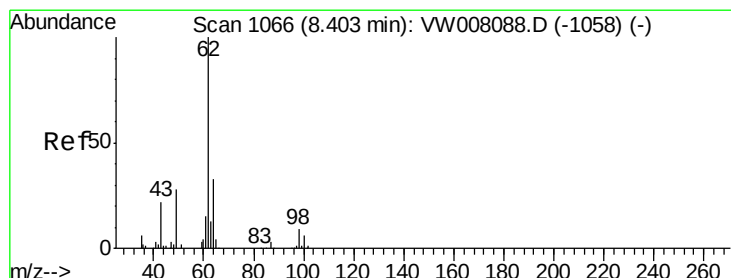
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

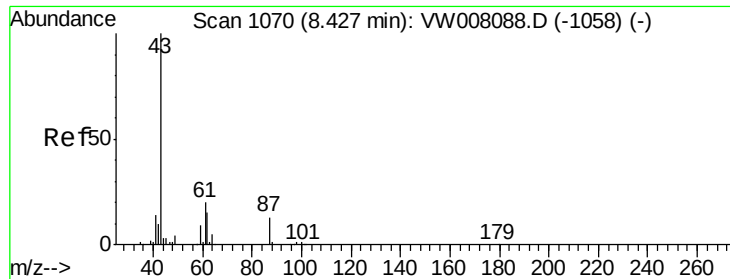
Tot Ion:	41	Resp:	7695
Ion	Ratio	Lower	Upper
41	100		
39	53.0	47.9	71.9
67	72.2	56.3	84.5
52	31.8	24.5	36.7



#42
1,2-Dichloroethane
Concen: 21.759 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion:	62	Resp:	25687
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 20.397 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBS01

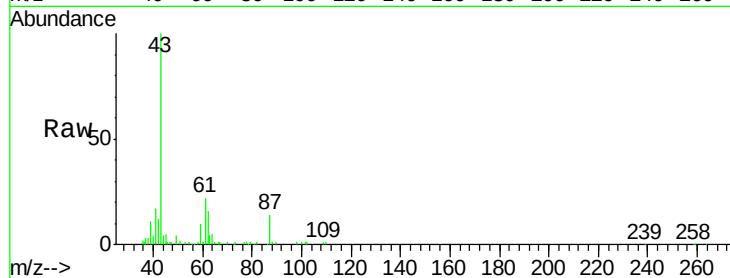
Tot Ion: 43 Resp: 25284

Ion Ratio Lower Upper

43 100

61 32.2 24.8 37.2

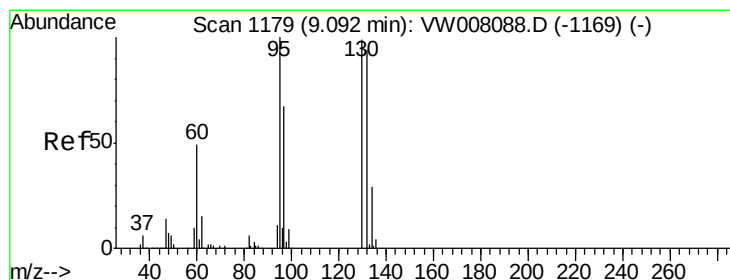
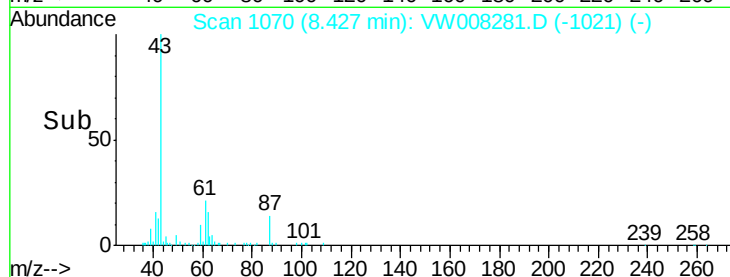
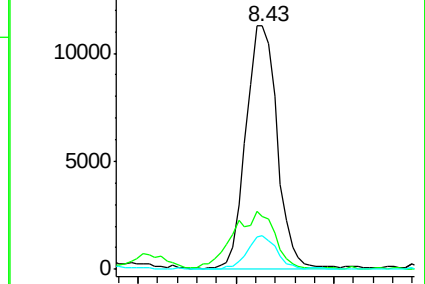
87 12.8 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 22.365 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008281.D

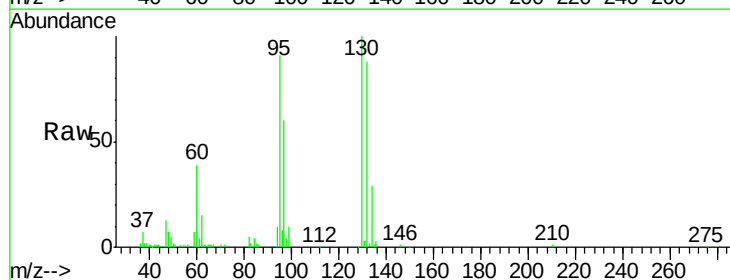
Acq: 15 Jan 2019 13:52

Tgt Ion: 130 Resp: 24030

Ion Ratio Lower Upper

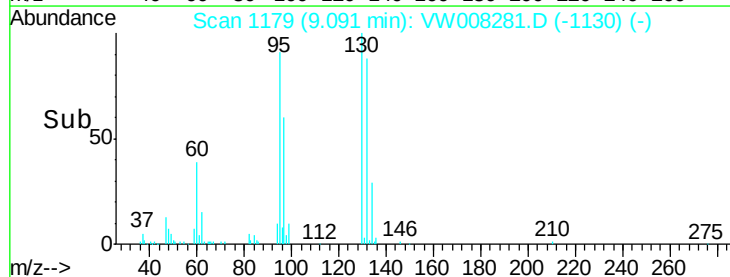
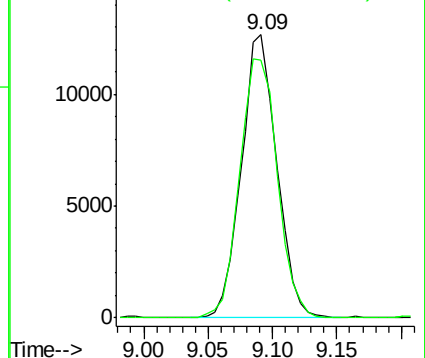
130 100

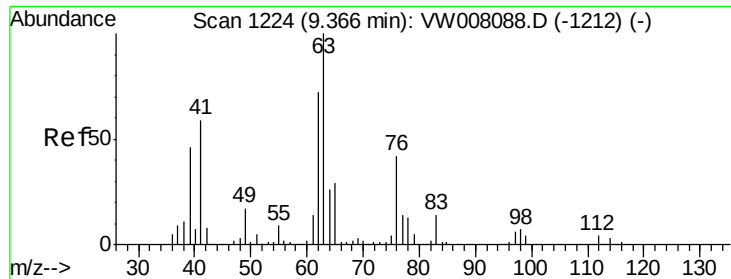
95 90.9 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

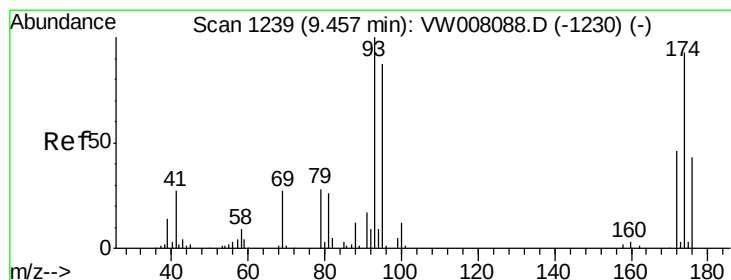
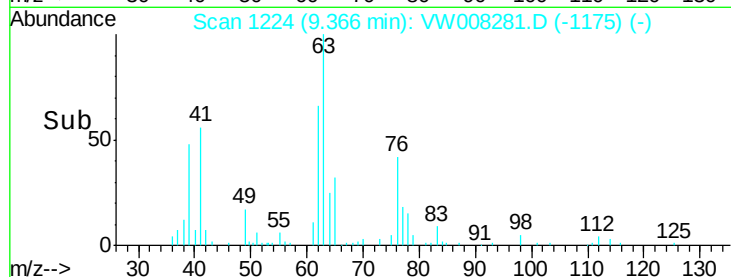
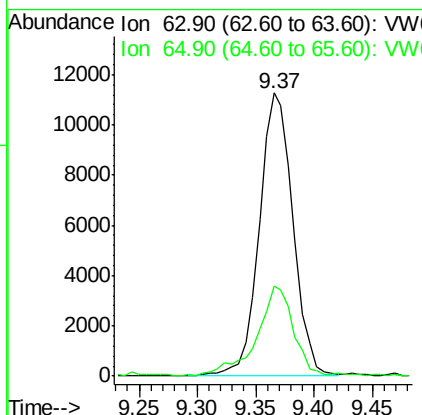
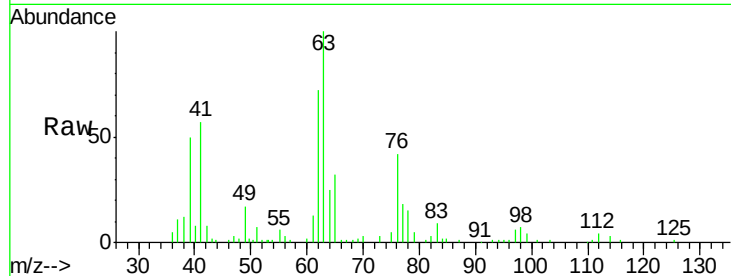




#45
 1,2-Dichloropropane
 Concen: 21.807 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

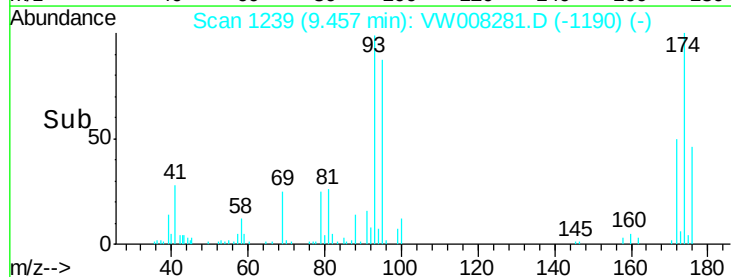
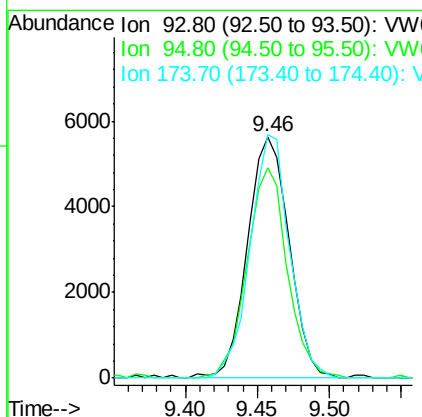
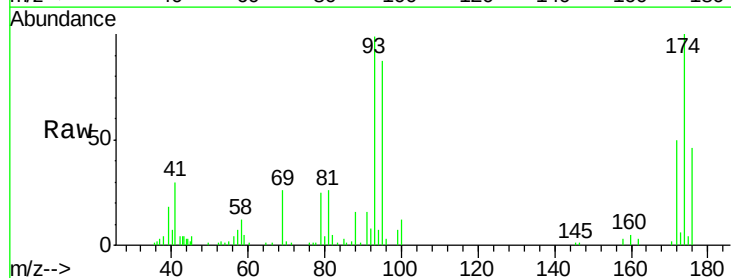
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

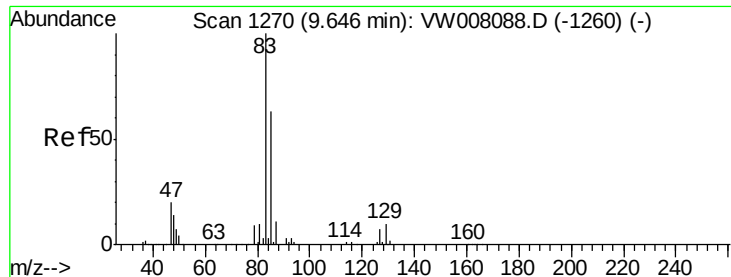
Tot Ion: 63 Resp: 22695
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.3 34.9



#46
 Dibromomethane
 Concen: 22.017 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion: 93 Resp: 11253
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.5 101.3
 174 95.2 72.5 108.7

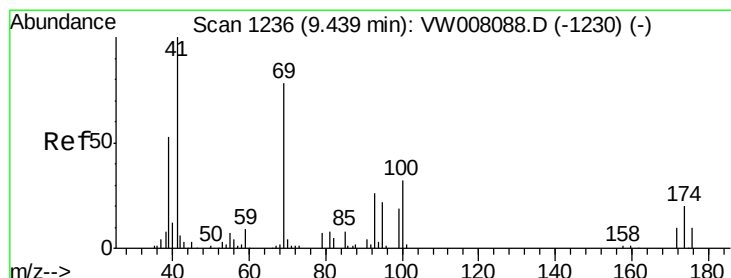
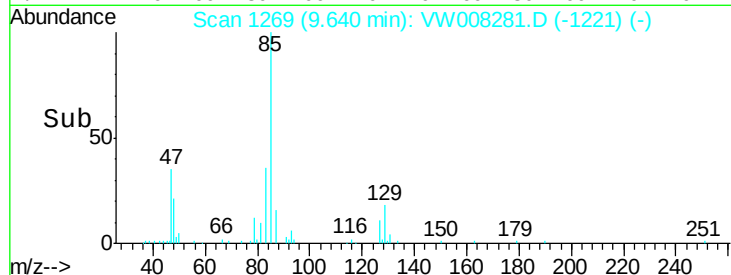
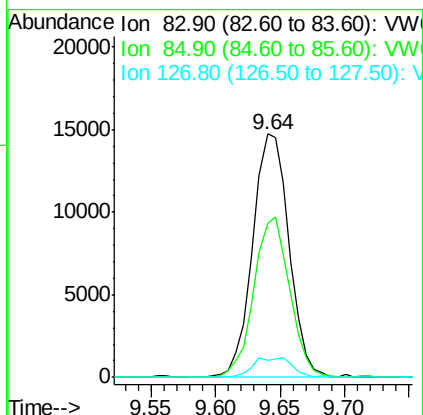
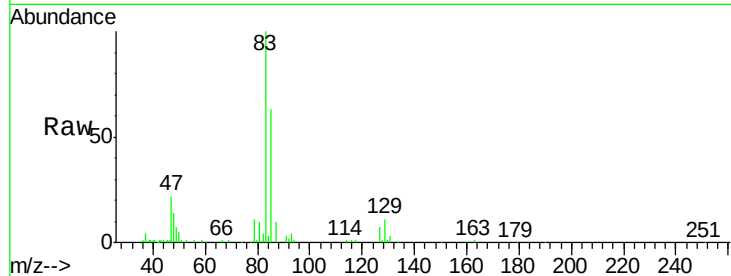




#47
Bromodichloromethane
Concen: 22.146 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

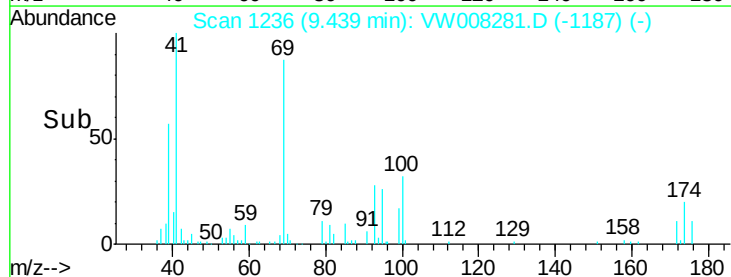
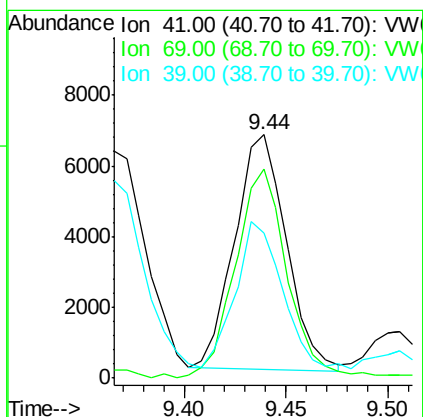
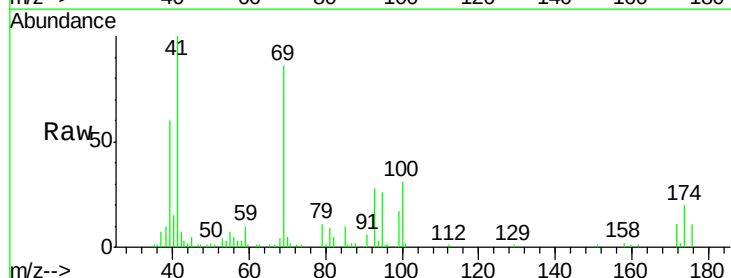
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

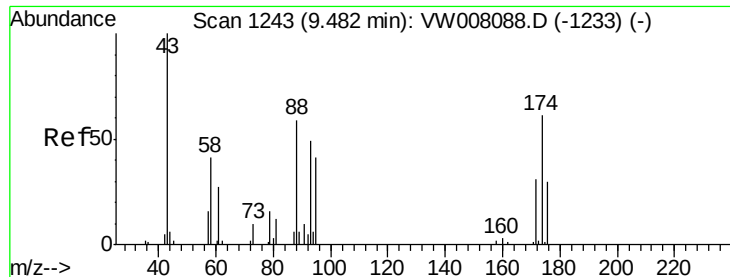
Tot Ion: 83 Resp: 28741
Ion Ratio Lower Upper
83 100
85 63.1 50.7 76.1
127 7.2 6.0 9.0



#48
Methyl methacrylate
Concen: 20.029 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 41 Resp: 11715
Ion Ratio Lower Upper
41 100
69 90.5 61.9 92.9
39 57.1 43.0 64.4

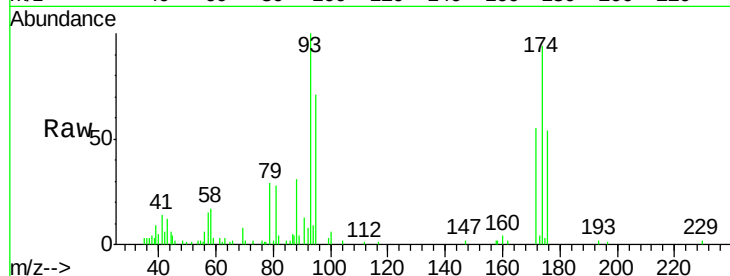




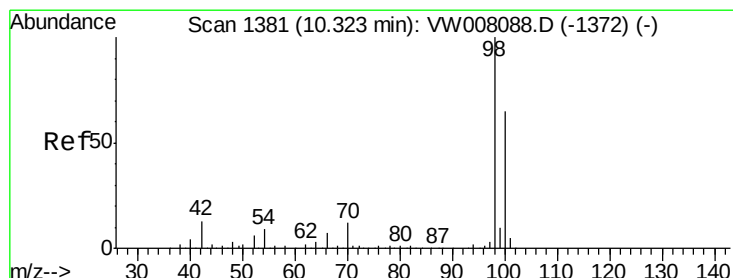
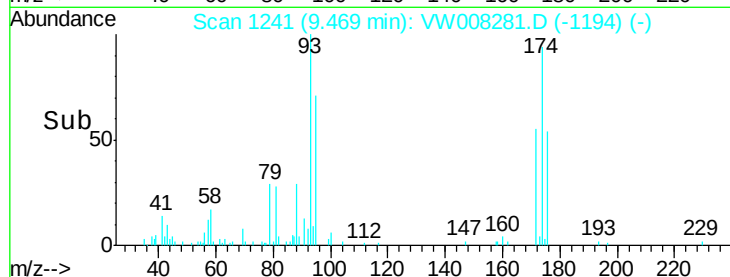
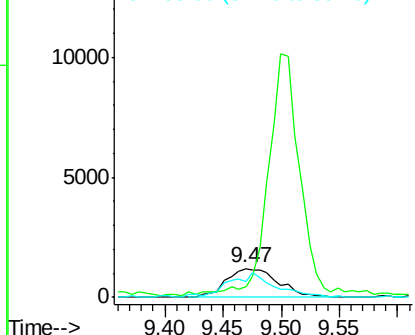
#49
1,4-Dioxane
Concen: 449.652 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

Tot Ion: 88 Resp: 3696
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.5 61.7 92.5

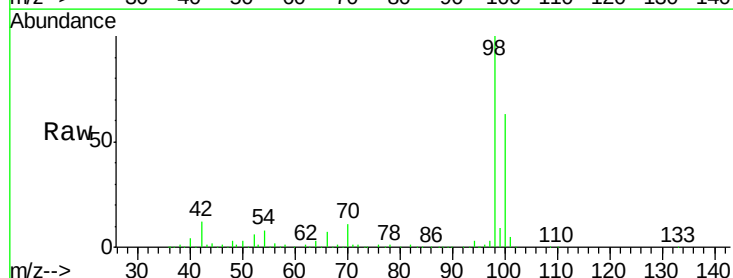


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

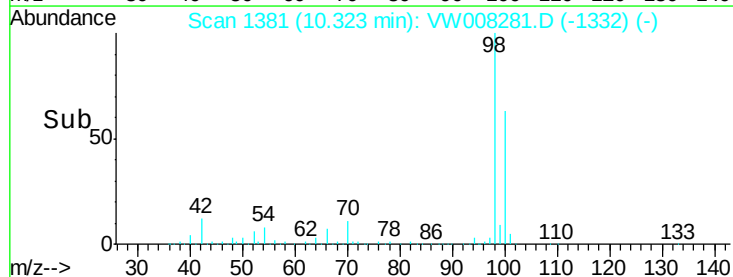
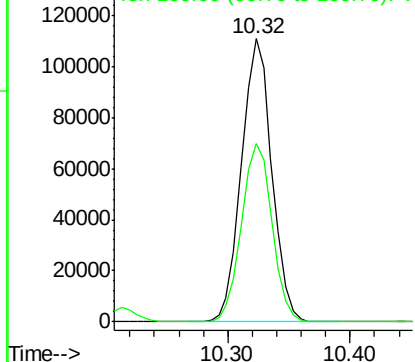


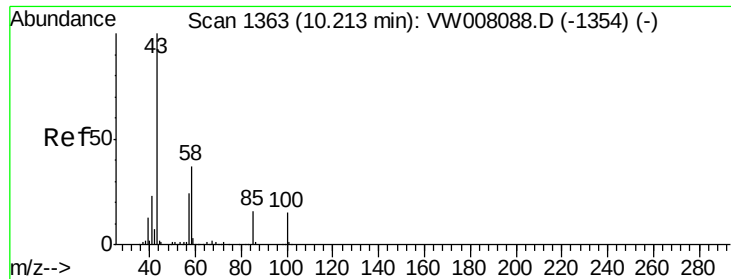
#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 98 Resp: 190280
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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: 103.376 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

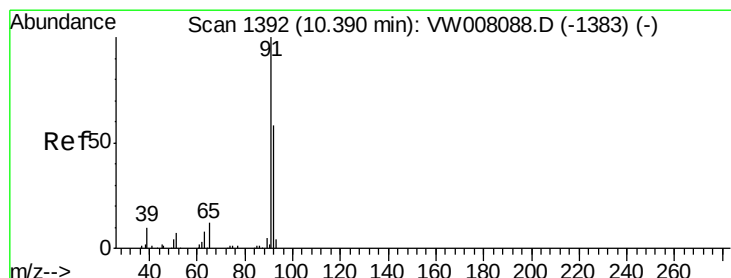
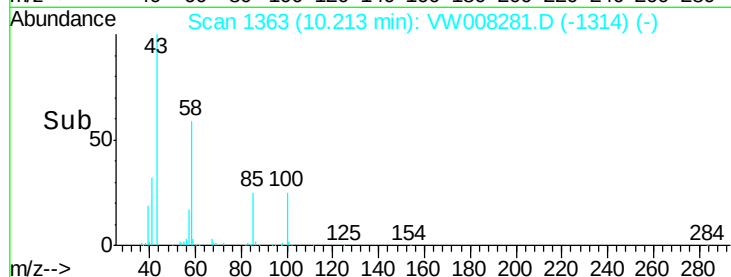
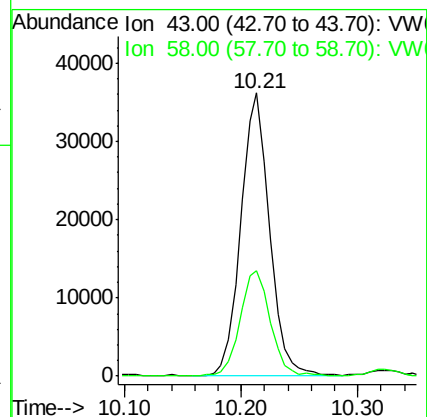
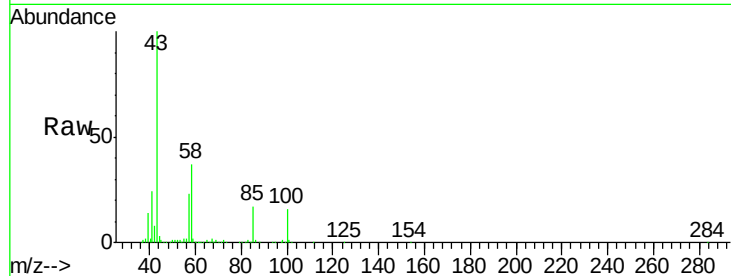
VW0115SBSD01

Tot Ion: 43 Resp: 62028

Ion Ratio Lower Upper

43 100

58 39.5 30.6 46.0



#52

Toluene

Concen: 21.540 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008281.D

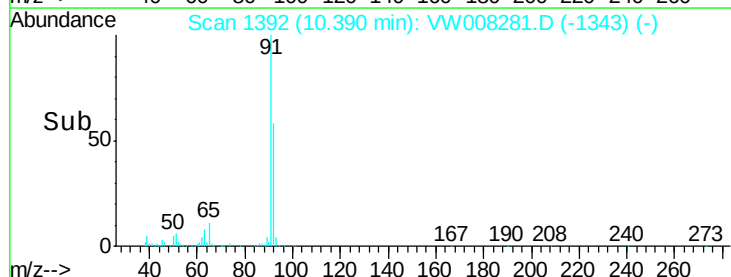
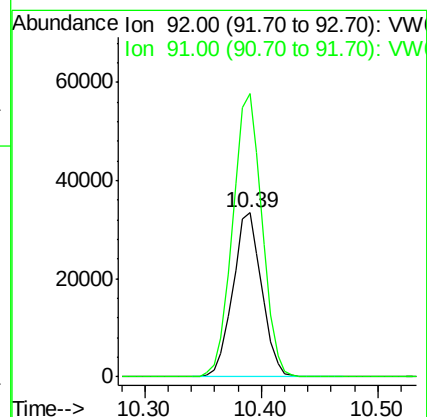
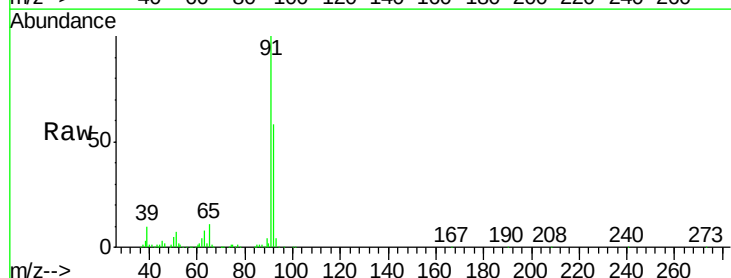
Acq: 15 Jan 2019 13:52

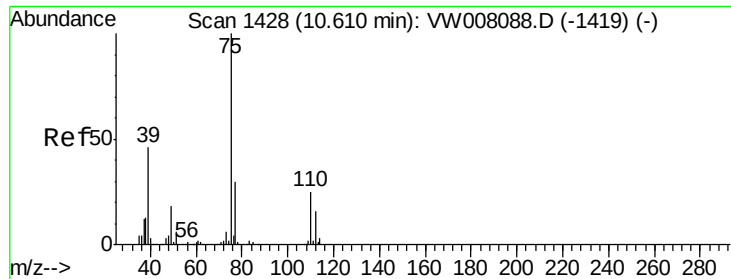
Tgt Ion: 92 Resp: 57740

Ion Ratio Lower Upper

92 100

91 175.0 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 21.059 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

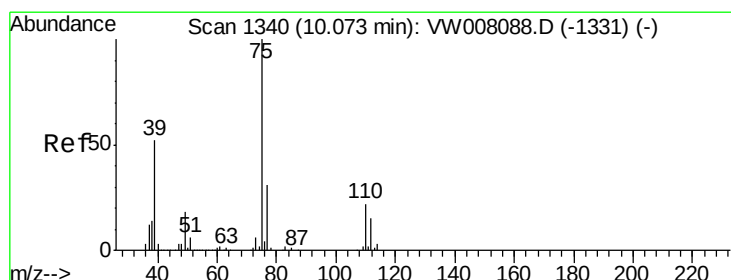
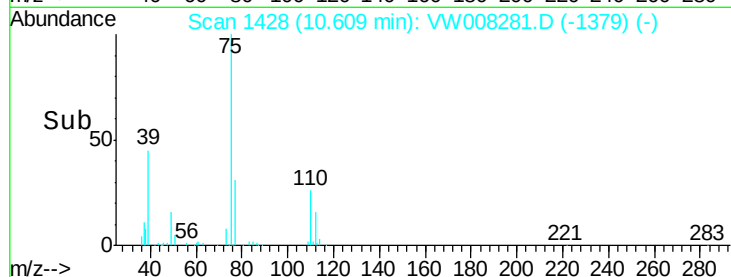
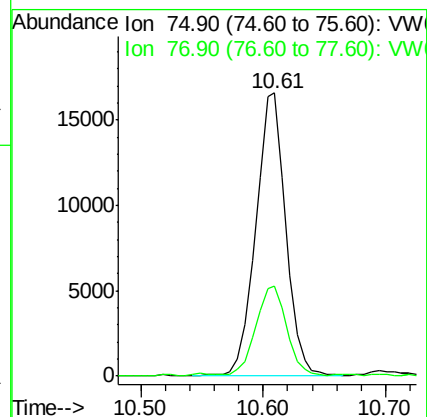
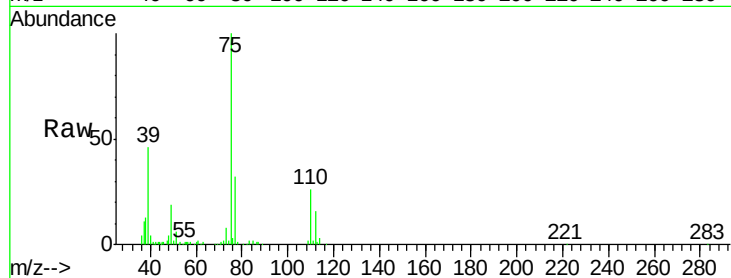
VW0115SBSD01

Tot Ion: 75 Resp: 28429

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.843 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

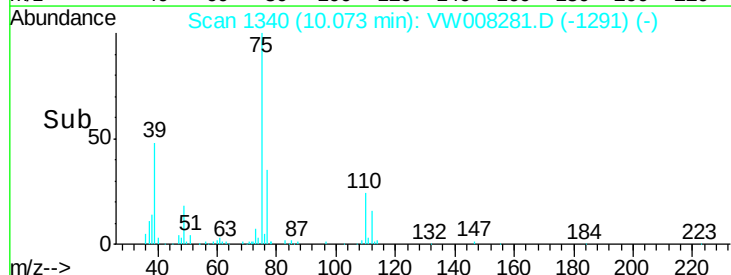
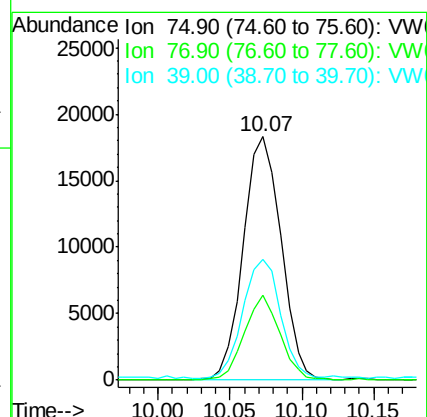
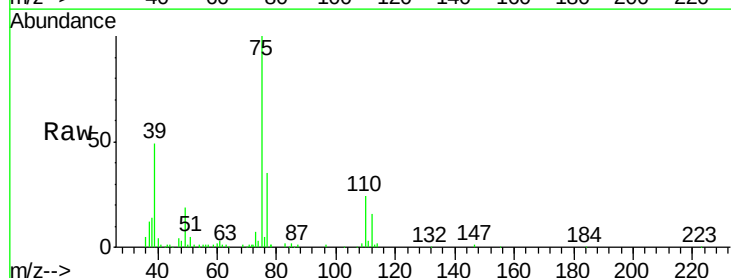
Tgt Ion: 75 Resp: 33366

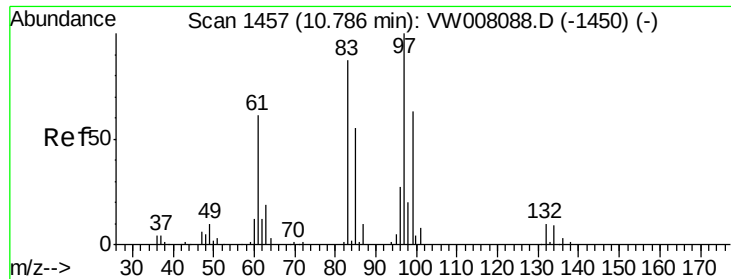
Ion Ratio Lower Upper

75 100

77 34.8 25.2 37.8

39 48.5 41.4 62.0

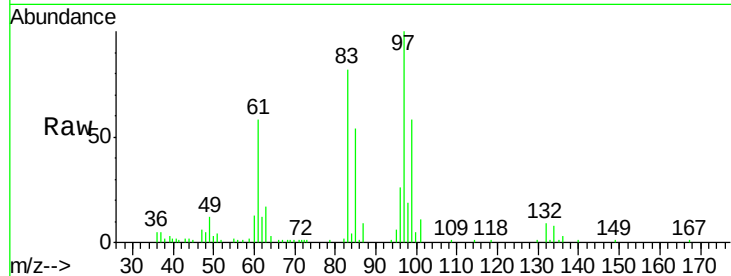




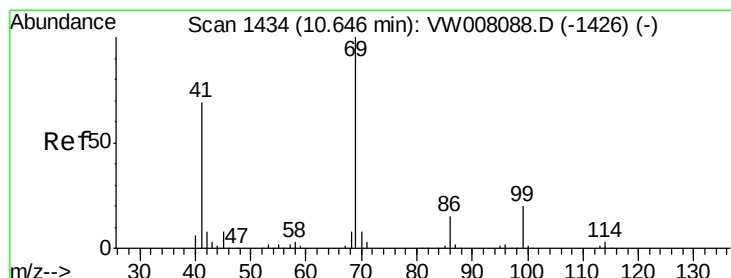
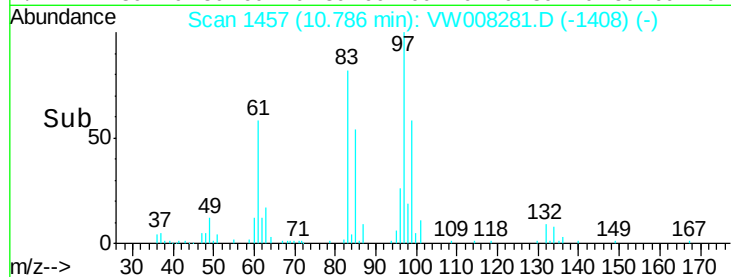
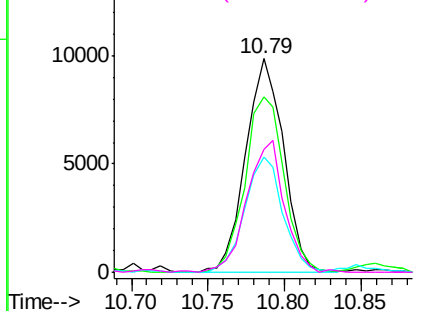
#55
 1,1,2-Trichloroethane
 Concen: 23.679 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

Tot Ion:	97	Resp:	16992
Ion	Ratio	Lower	Upper
97	100		
83	81.9	69.3	103.9
85	54.2	43.8	65.6
99	57.1	50.0	75.0

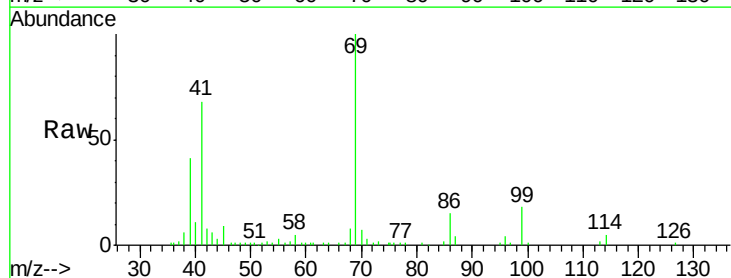


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

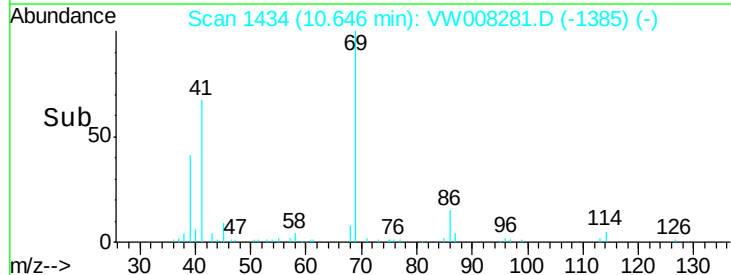
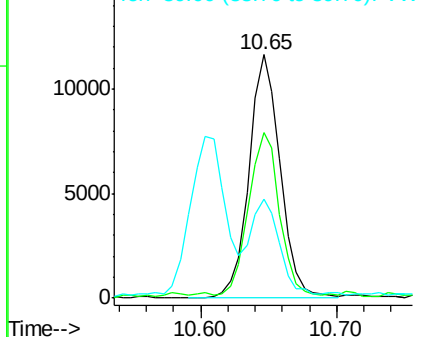


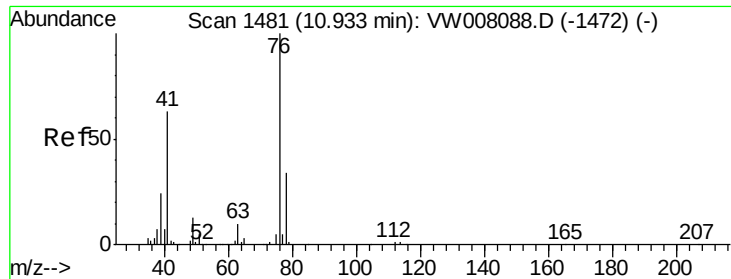
#56
 Ethyl methacrylate
 Concen: 21.148 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion:	69	Resp:	18794
Ion	Ratio	Lower	Upper
69	100		
41	64.8	56.4	84.6
39	36.2	28.1	42.1



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

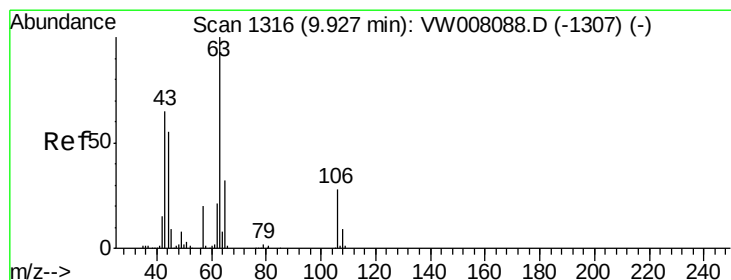
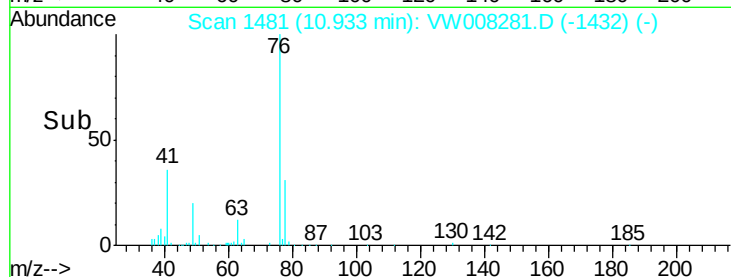
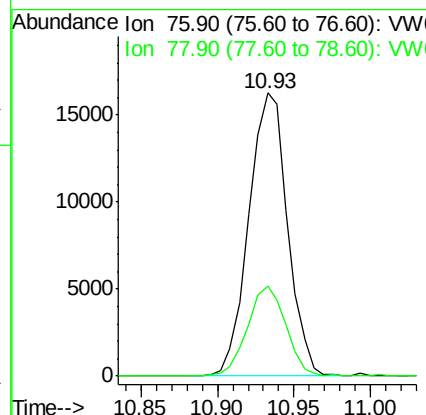
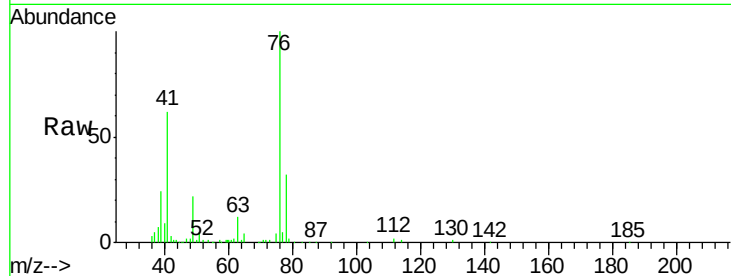




#57
 1,3-Dichloropropane
 Concen: 21.802 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

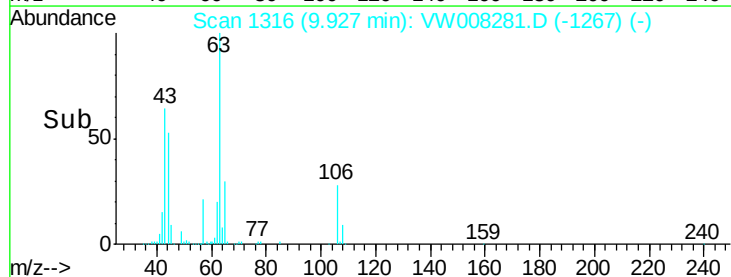
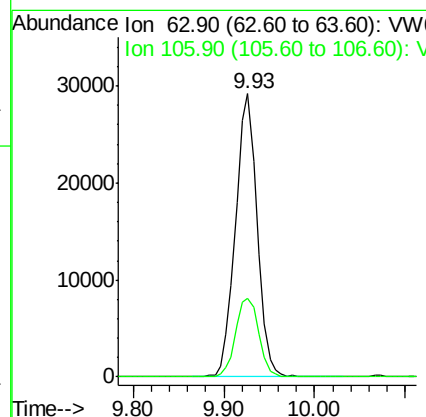
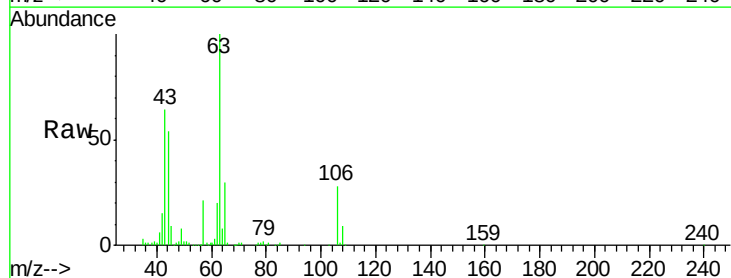
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

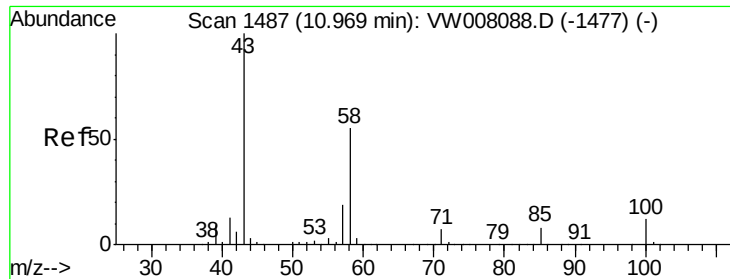
Tot Ion: 76 Resp: 28613
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.981 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion: 63 Resp: 48651
 Ion Ratio Lower Upper
 63 100
 106 29.7 21.8 32.6





#59

2-Hexanone

Concen: 110.530 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

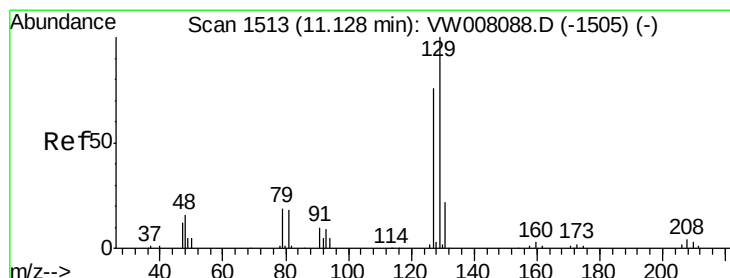
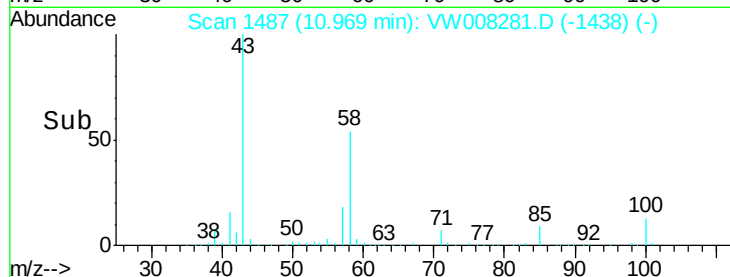
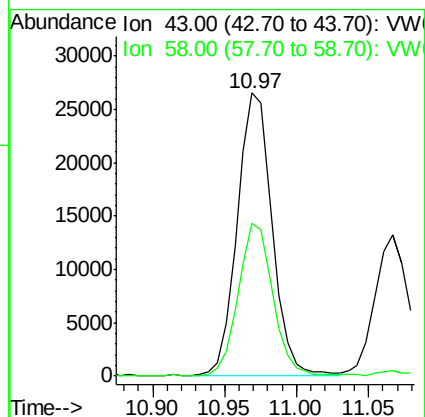
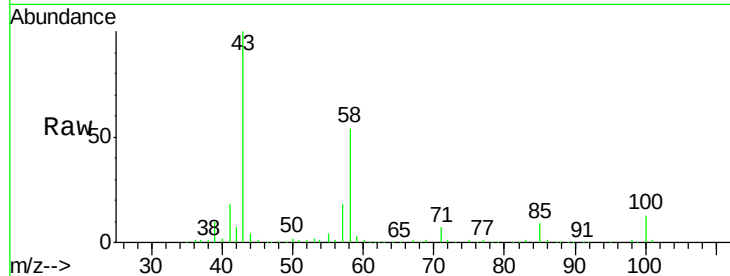
VW0115SBSD01

Tot Ion: 43 Resp: 44849

Ion Ratio Lower Upper

43 100

58 52.9 27.2 81.5



#60

Dibromochloromethane

Concen: 24.436 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008281.D

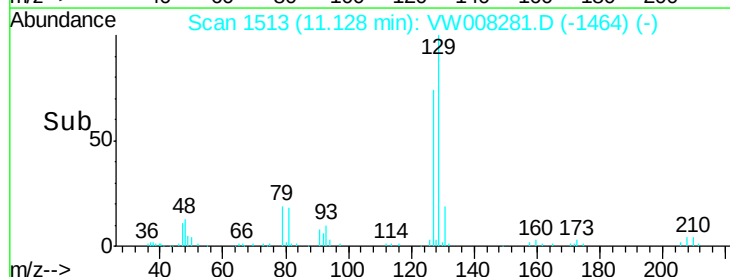
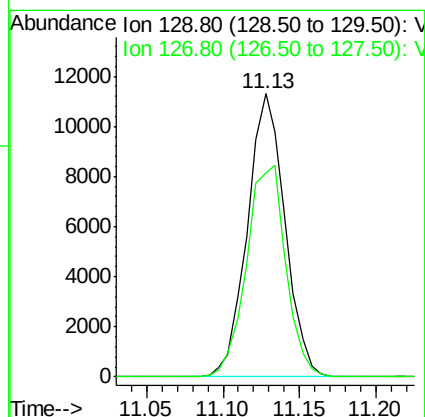
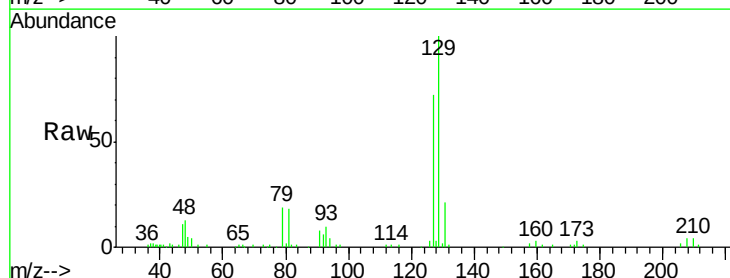
Acq: 15 Jan 2019 13:52

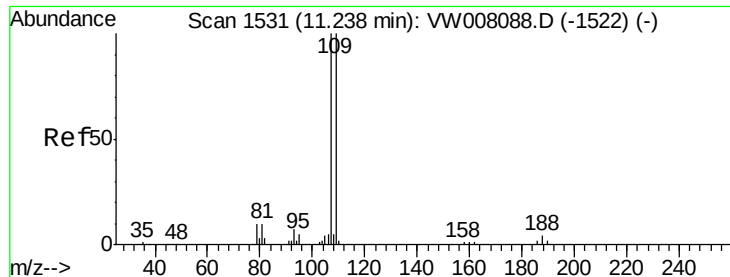
Tgt Ion: 129 Resp: 19256

Ion Ratio Lower Upper

129 100

127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 23.034 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

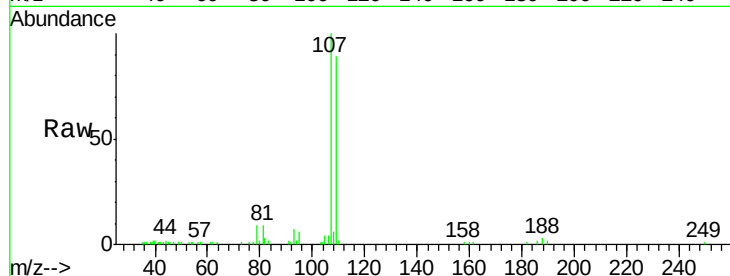
VW0115SBSD01

Tot Ion:107 Resp: 15684

Ion Ratio Lower Upper

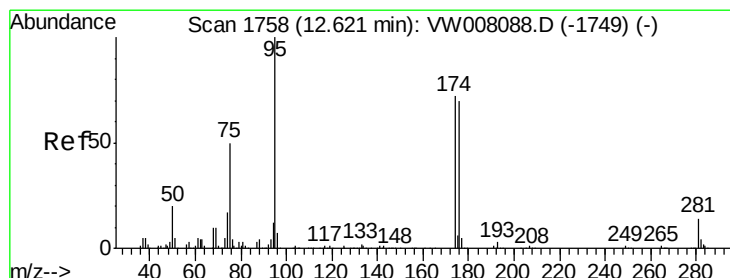
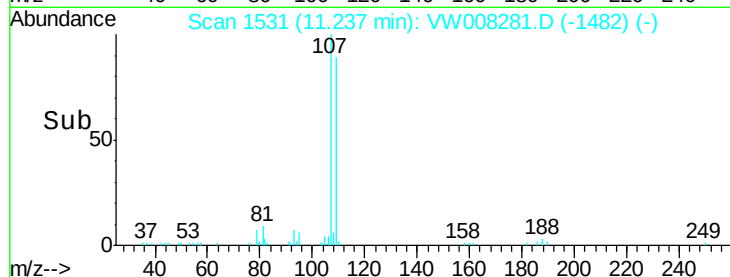
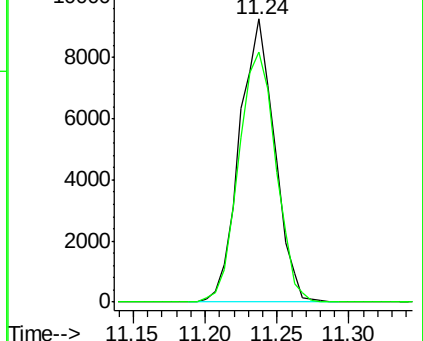
107 100

109 93.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.761 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

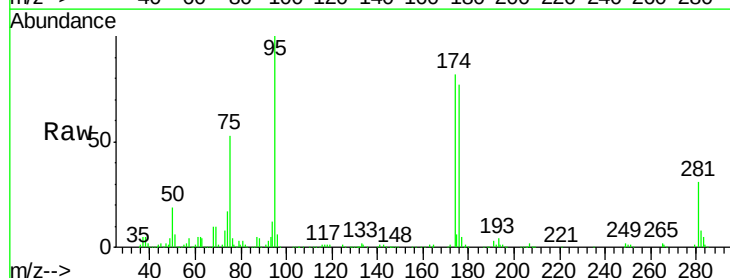
Tgt Ion: 95 Resp: 68228

Ion Ratio Lower Upper

95 100

174 76.0 0.0 143.0

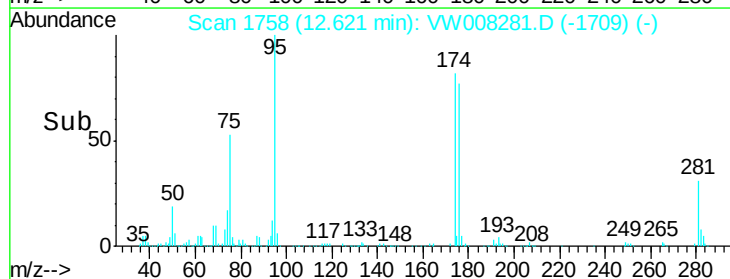
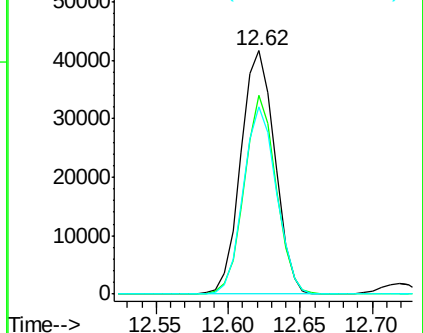
176 74.4 0.0 140.2

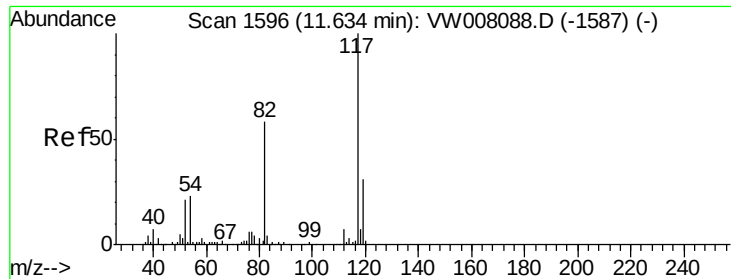


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

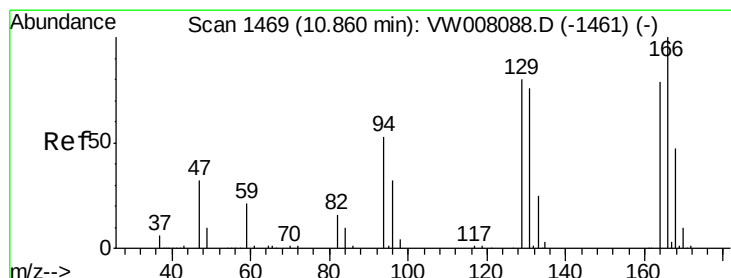
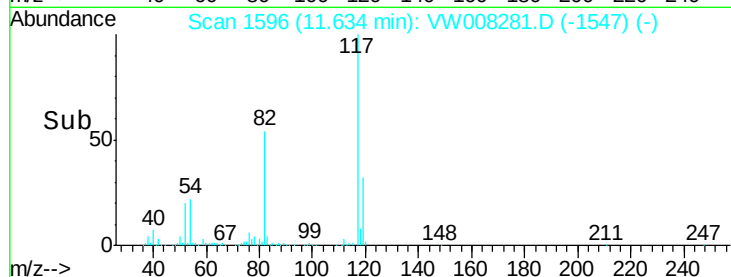
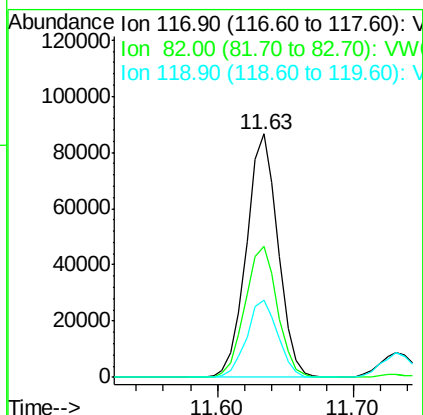
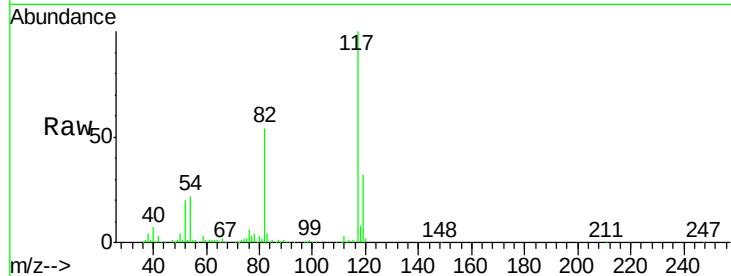




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

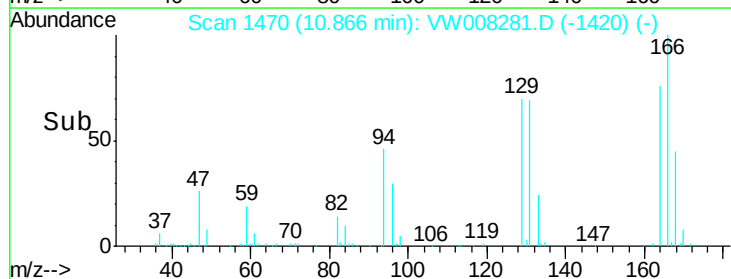
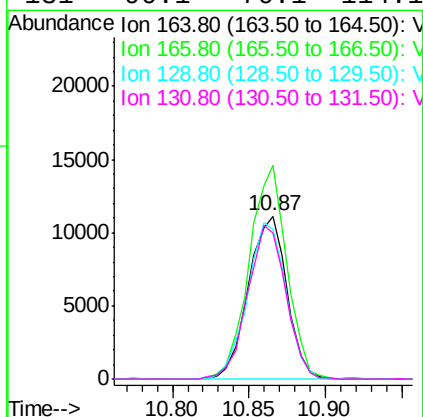
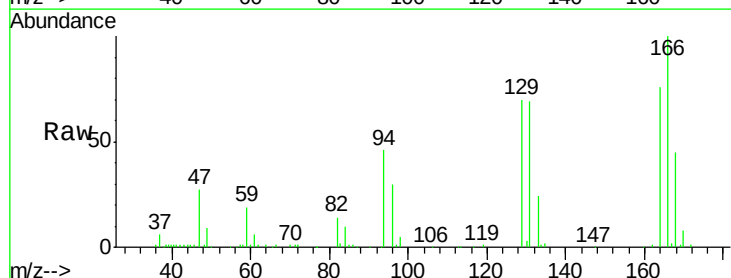
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

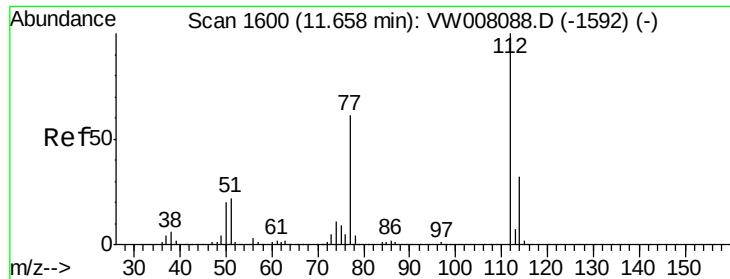
Tot Ion:117 Resp: 140706
Ion Ratio Lower Upper
117 100
82 53.8 46.4 69.6
119 32.0 24.7 37.1



#64
Tetrachloroethene
Concen: 21.288 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion:164 Resp: 19494
Ion Ratio Lower Upper
164 100
166 131.4 100.7 151.1
129 91.8 81.0 121.4
131 90.1 76.1 114.1

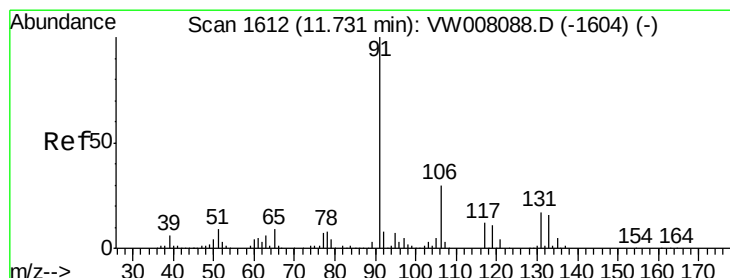
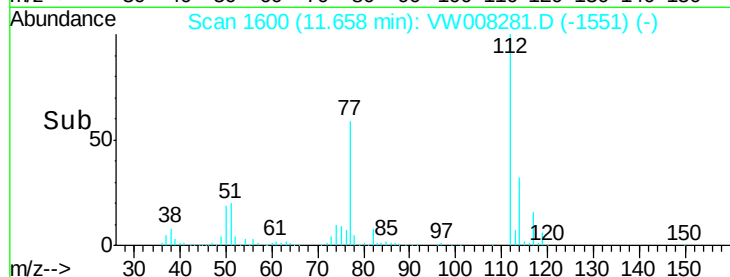
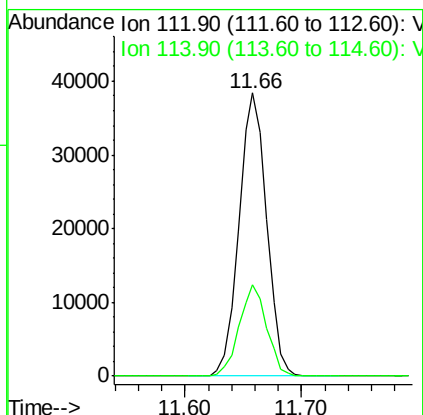
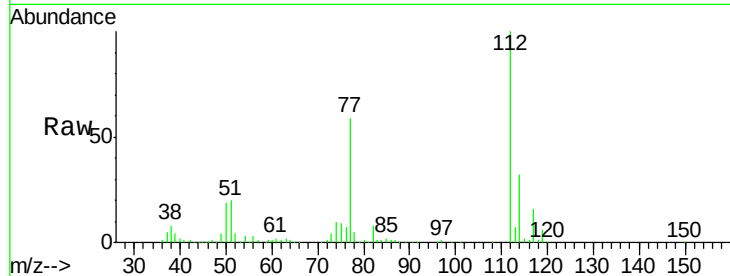




#65
Chlorobenzene
Concen: 21.264 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

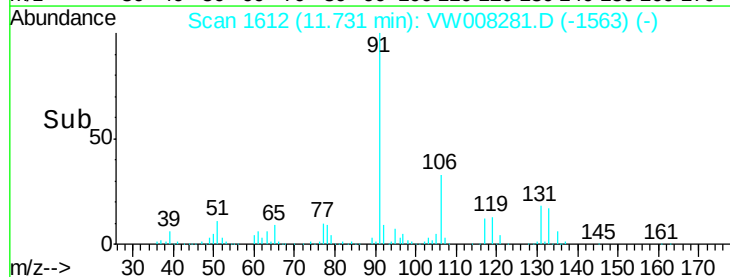
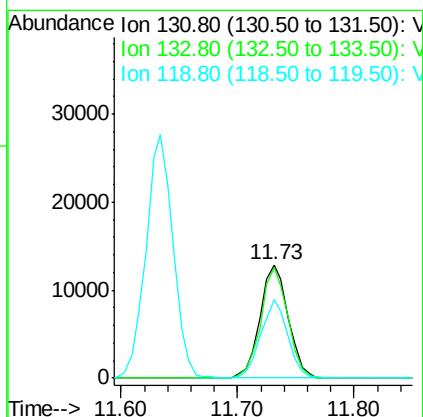
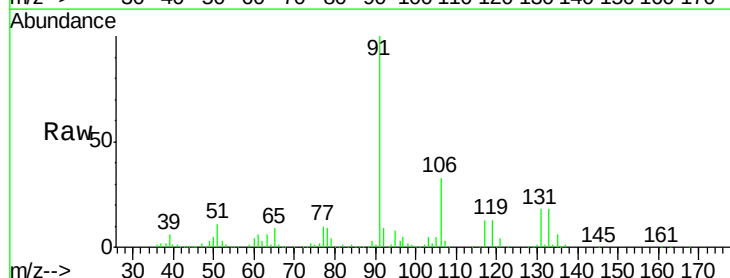
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

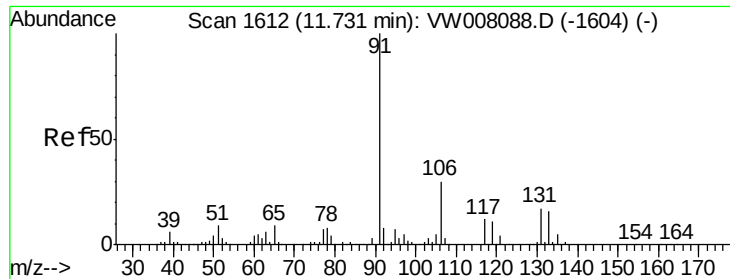
Tot Ion:112 Resp: 63386
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.490 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion:131 Resp: 21806
Ion Ratio Lower Upper
131 100
133 93.0 47.9 143.7
119 66.2 32.5 97.4

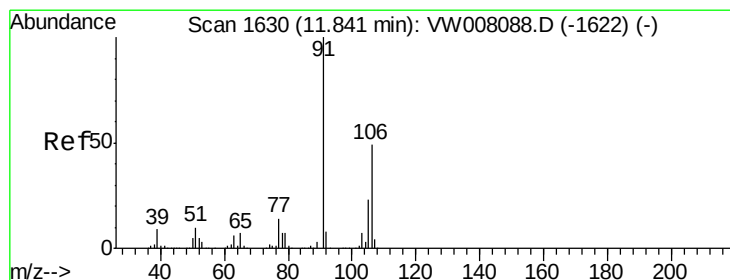
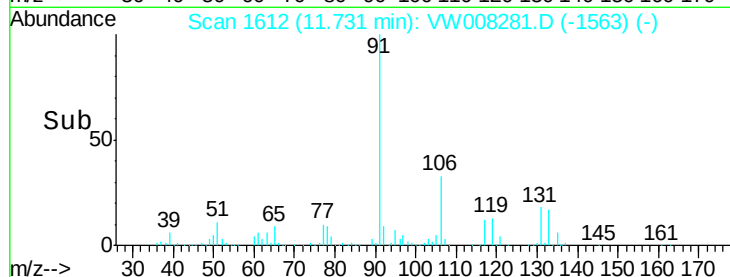
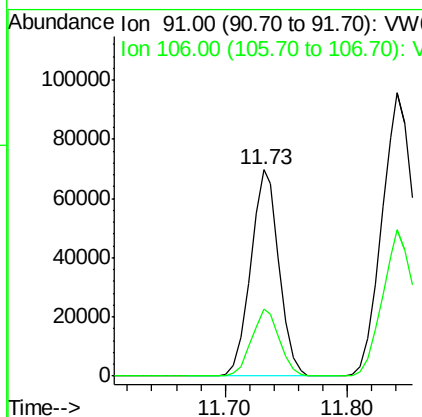
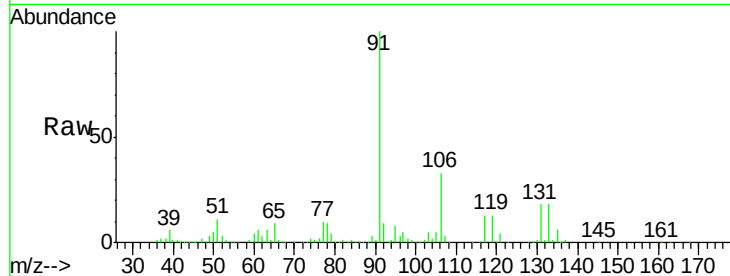




#67
Ethyl Benzene
Concen: 20.520 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

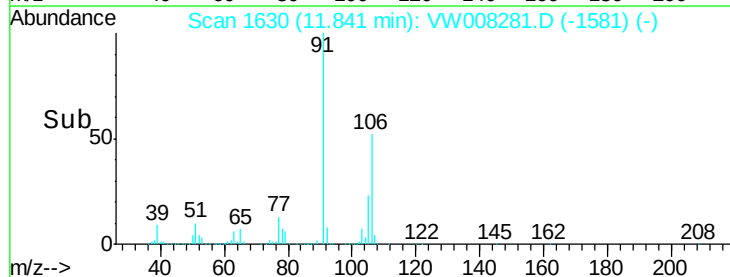
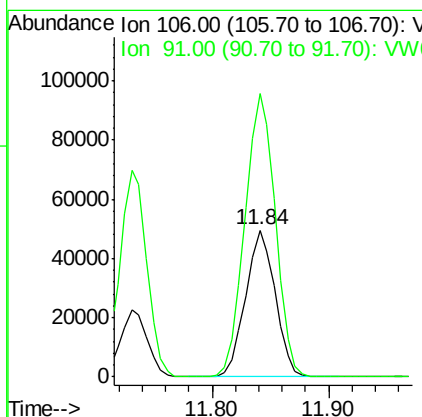
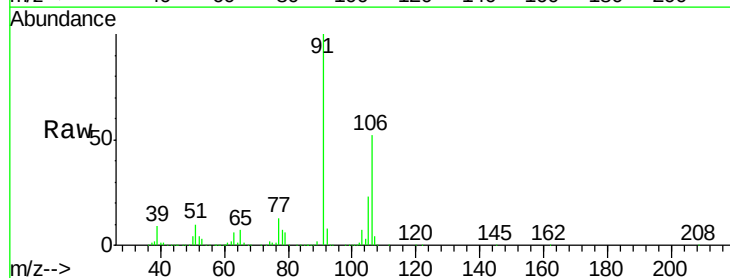
Instrument :
MSVOA_W
ClientSampleID :
VW0115SBSD01

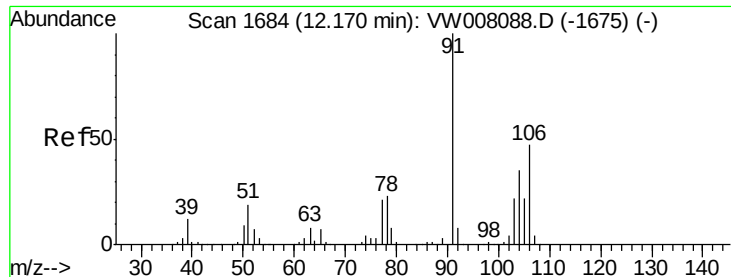
Tot Ion: 91 Resp: 111925
Ion Ratio Lower Upper
91 100
106 32.6 24.2 36.4



#68
m/p-Xylenes
Concen: 42.314 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 106 Resp: 88092
Ion Ratio Lower Upper
106 100
91 198.4 162.4 243.6

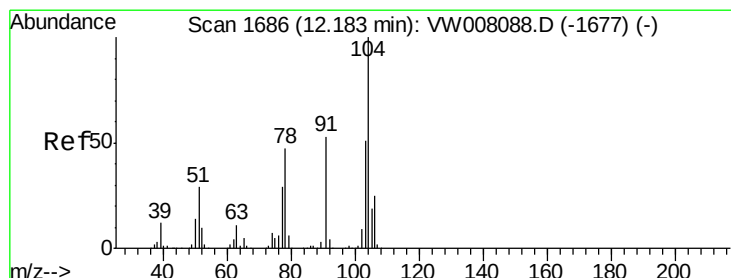
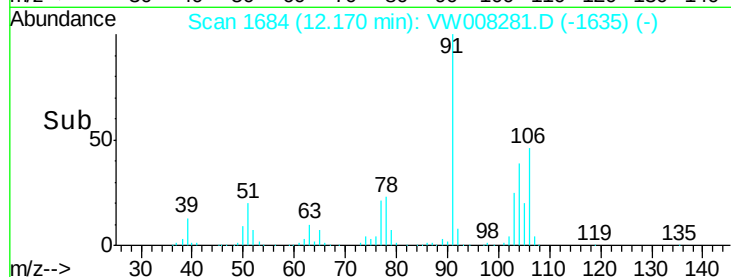
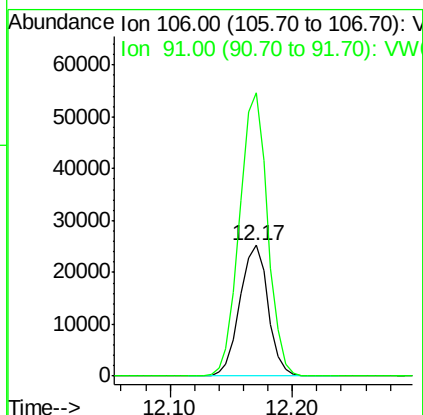
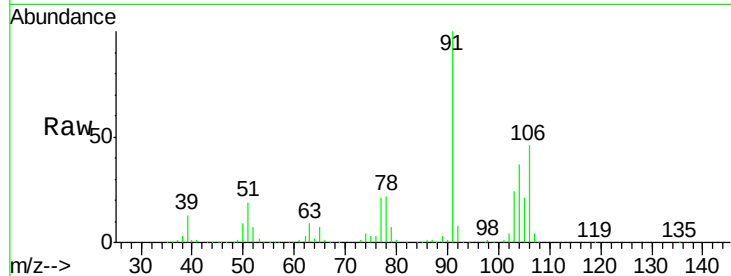




#69
o-Xylene
Concen: 20.972 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

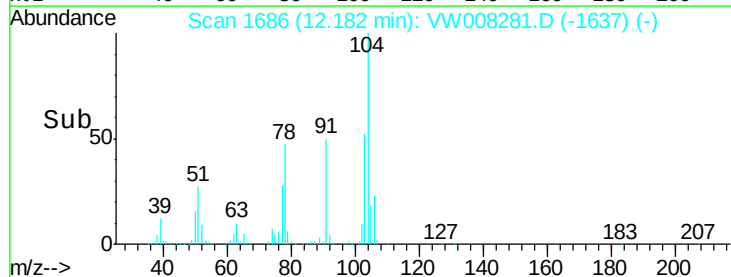
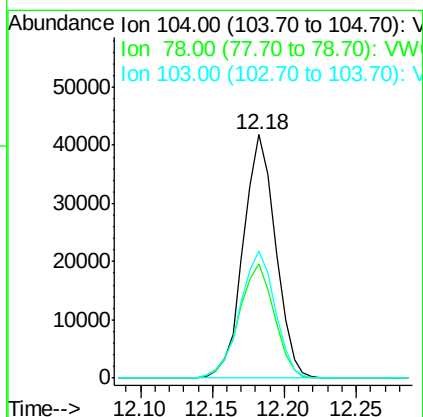
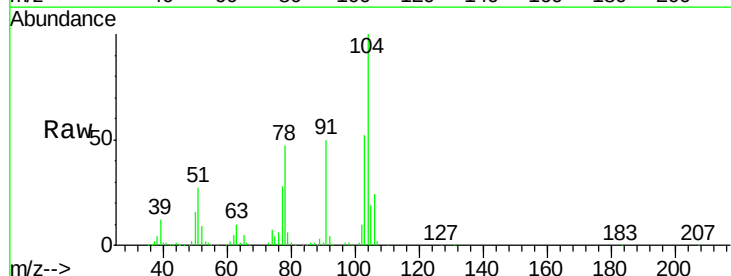
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBSD01

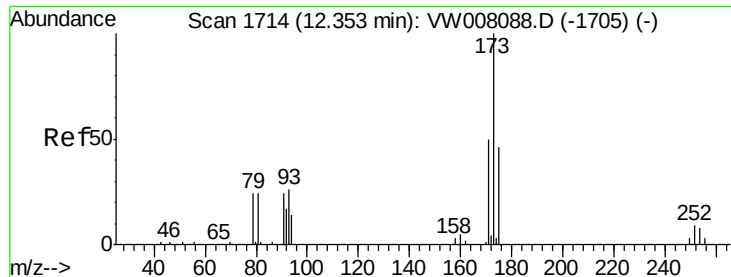
Tot Ion:106 Resp: 40431
Ion Ratio Lower Upper
106 100
91 215.3 107.8 323.6



#70
Styrene
Concen: 21.625 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion:104 Resp: 65300
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.8
103 56.8 43.8 65.8





#71

Bromoform

Concen: 24.331 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

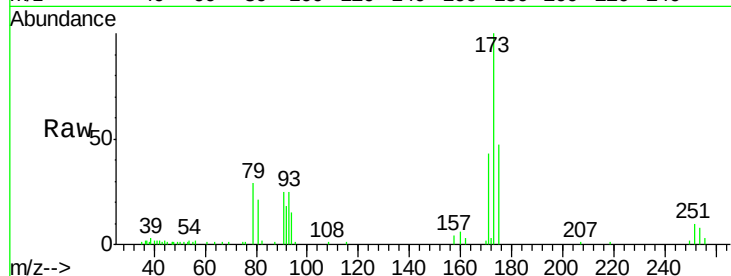
Tot Ion:173 Resp: 10558

Ion Ratio Lower Upper

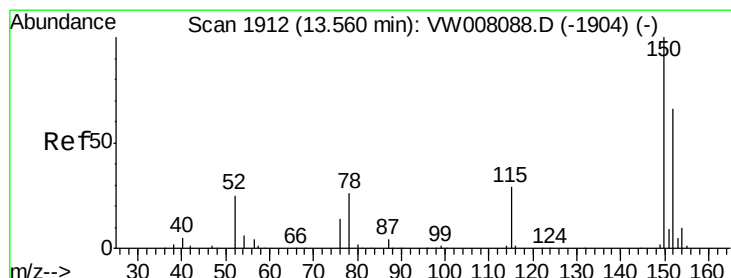
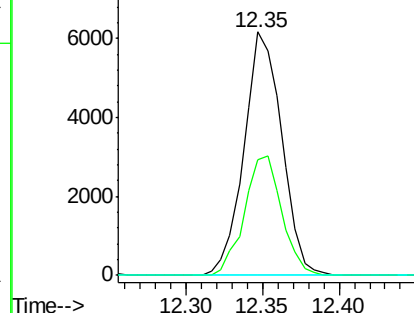
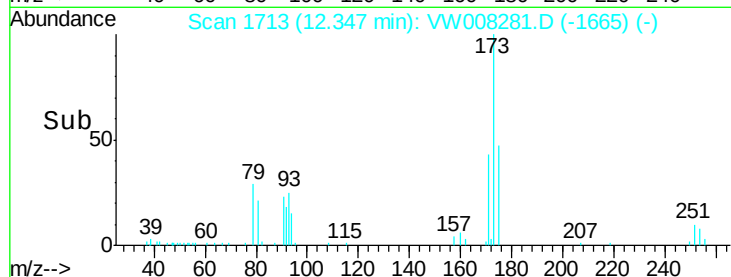
173 100

175 48.5 23.3 69.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

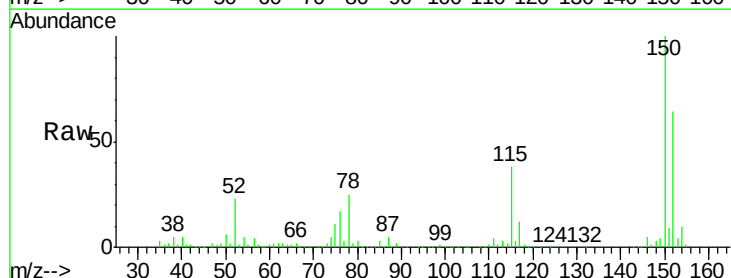
Tgt Ion:152 Resp: 71825

Ion Ratio Lower Upper

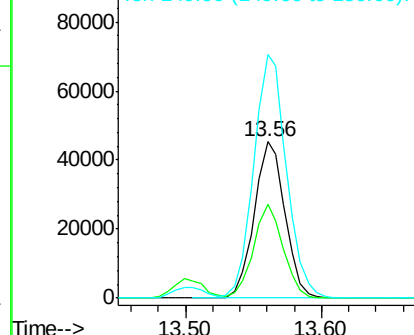
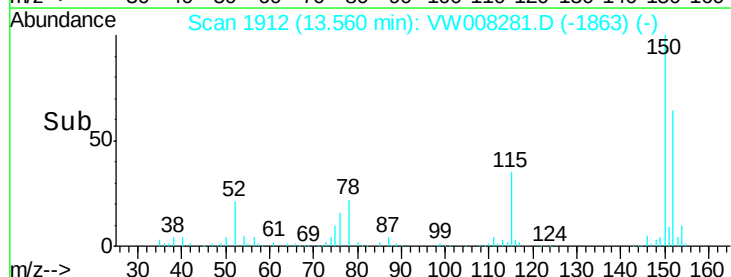
152 100

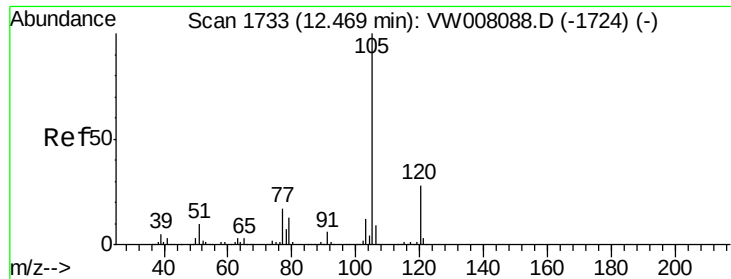
115 57.7 30.8 92.4

150 165.6 0.0 350.2



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





#73

Isopropylbenzene

Concen: 19.989 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

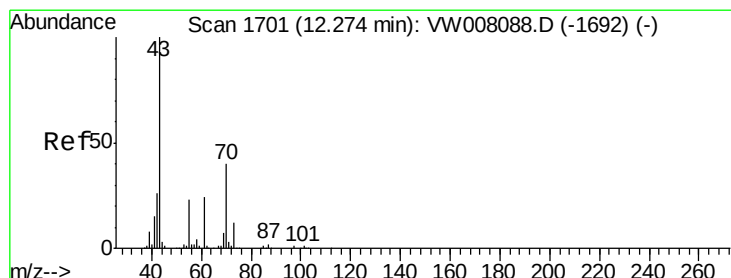
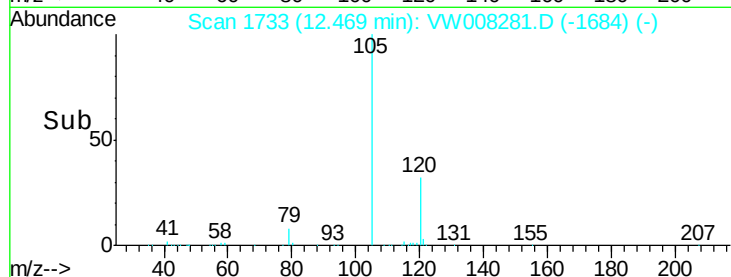
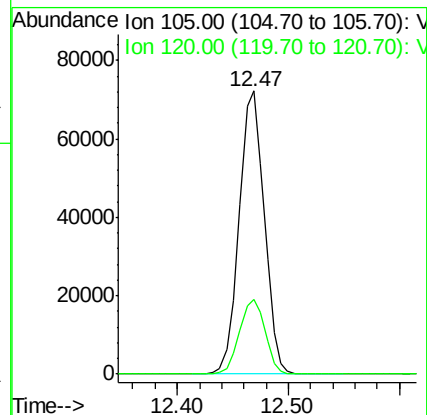
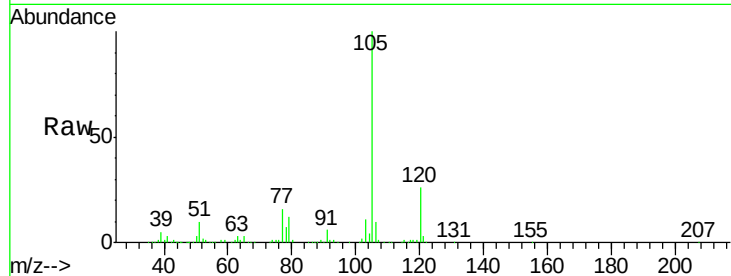
VW0115SBSD01

Tot Ion:105 Resp: 112715

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#74

N-ethyl acetate

Concen: 18.760 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Tgt Ion: 43 Resp: 23427

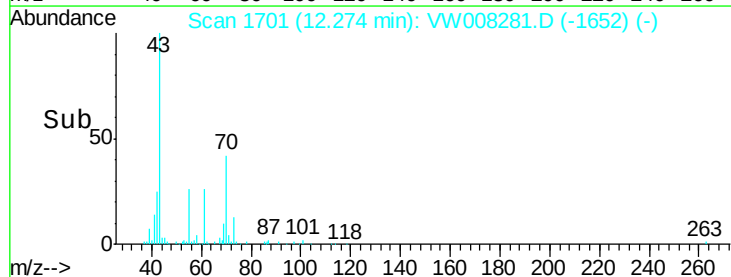
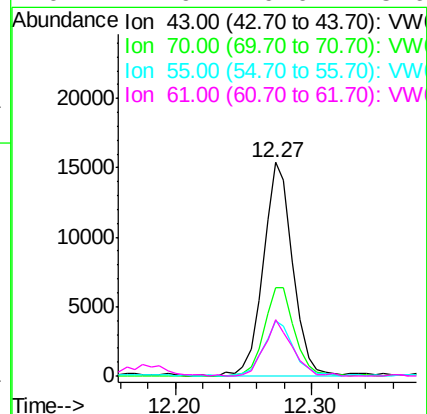
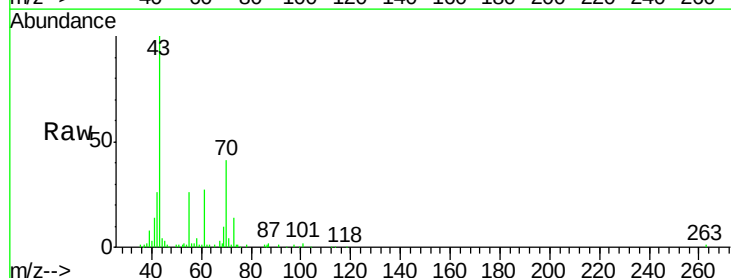
Ion Ratio Lower Upper

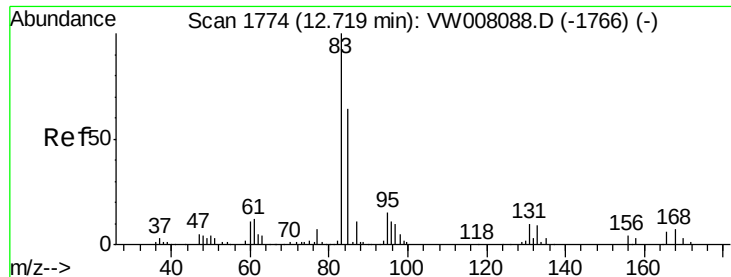
43 100

70 42.8 32.4 48.6

55 26.2 18.7 28.1

61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.737 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

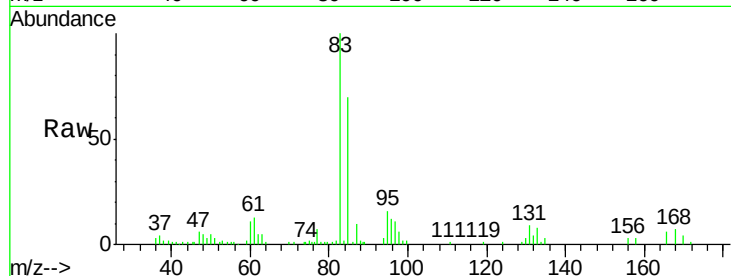
Tot Ion: 83 Resp: 18717

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

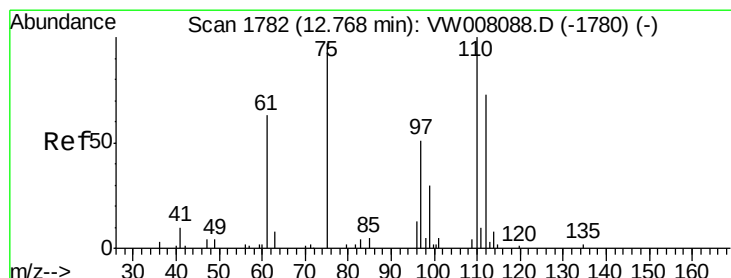
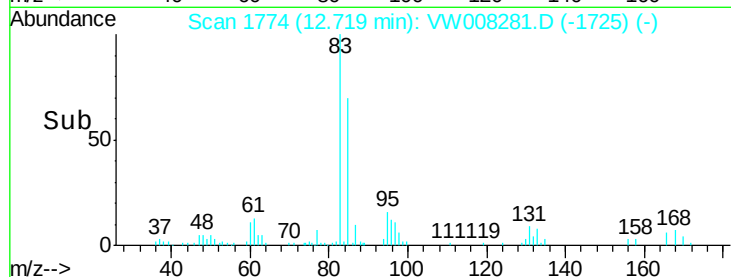
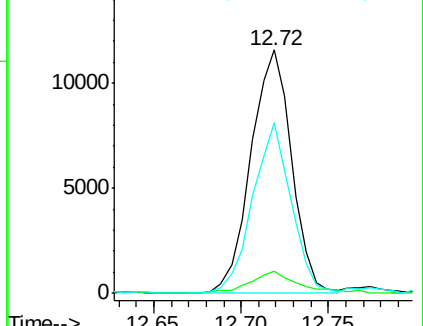
85 66.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.017 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008281.D

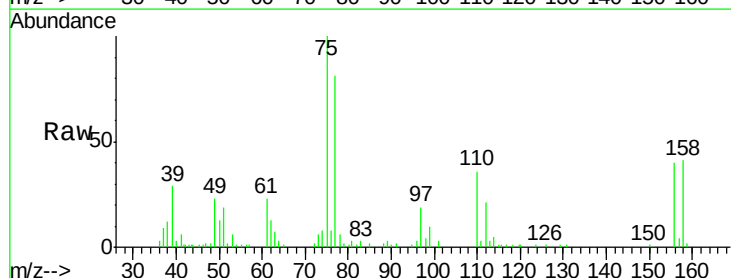
Acq: 15 Jan 2019 13:52

Tgt Ion: 75 Resp: 13761

Ion Ratio Lower Upper

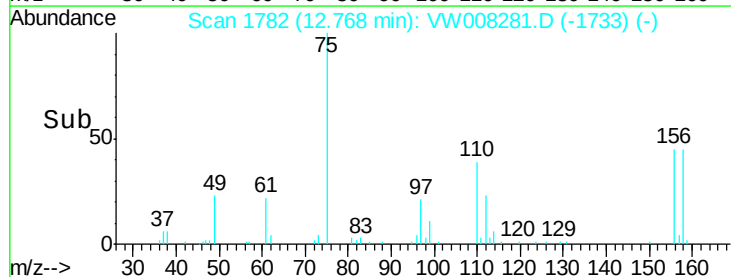
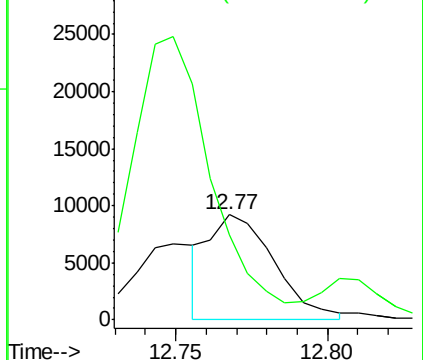
75 100

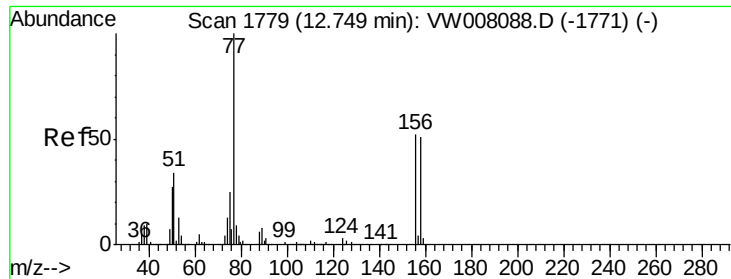
77 334.3 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.662 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

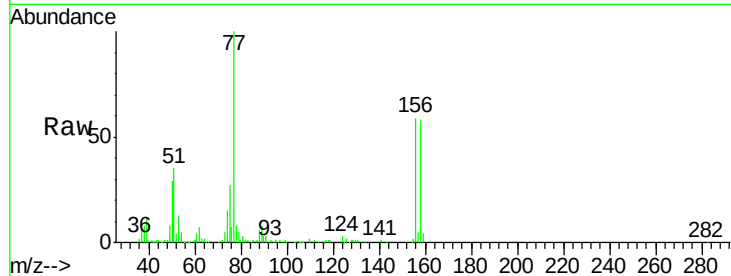
Tot Ion:156 Resp: 24619

Ion Ratio Lower Upper

156 100

77 186.8 104.2 312.5

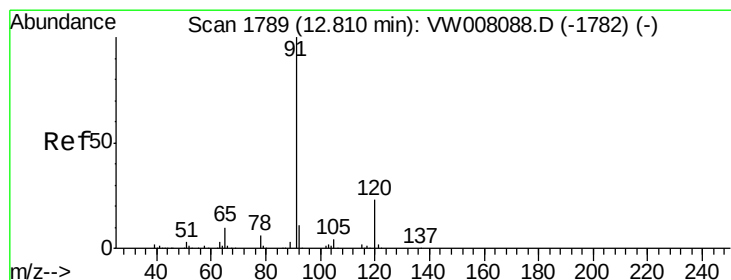
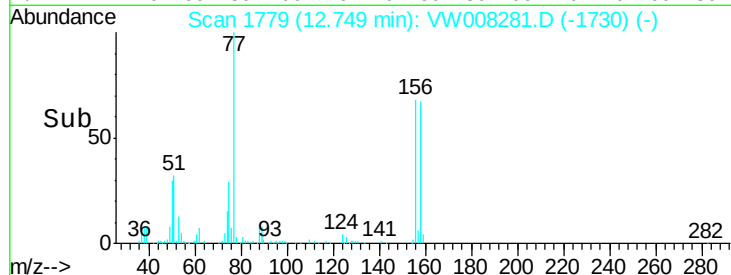
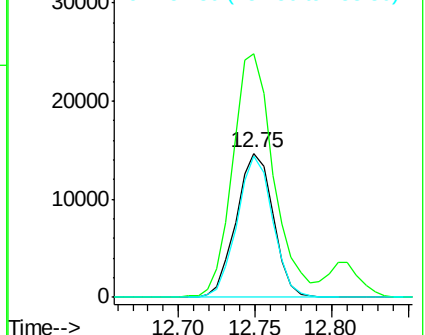
158 94.5 47.9 143.6



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: 19.314 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008281.D

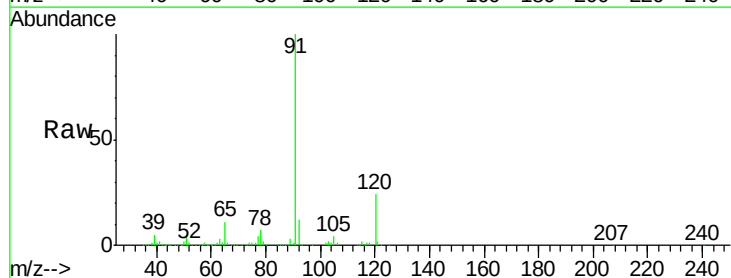
Acq: 15 Jan 2019 13:52

Tgt Ion: 91 Resp: 133448

Ion Ratio Lower Upper

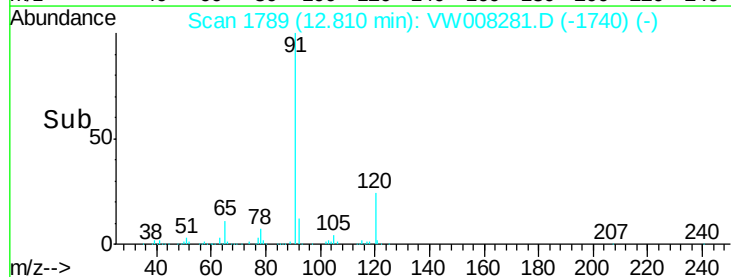
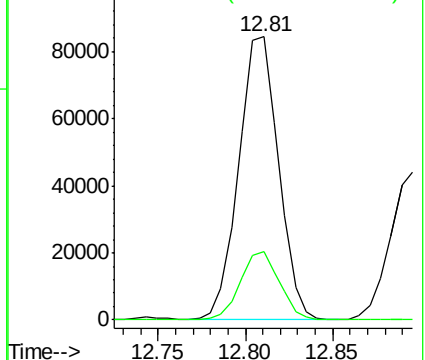
91 100

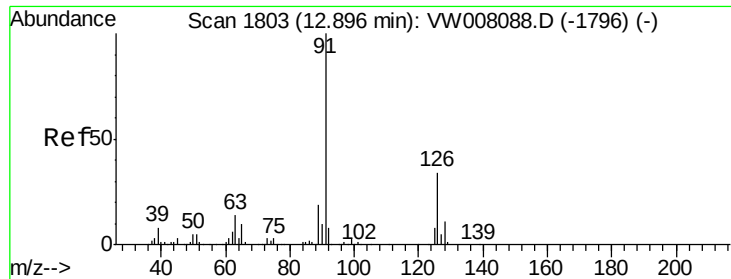
120 23.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.773 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

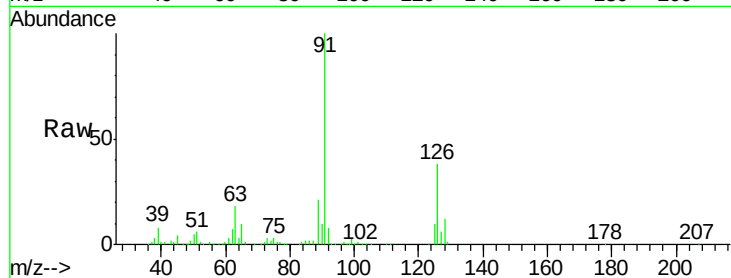
VW0115SBSD01

Tot Ion: 91 Resp: 72364

Ion Ratio Lower Upper

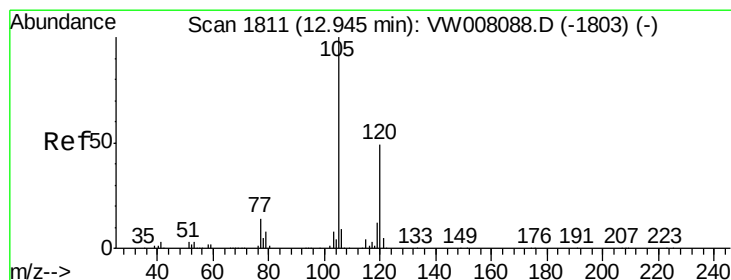
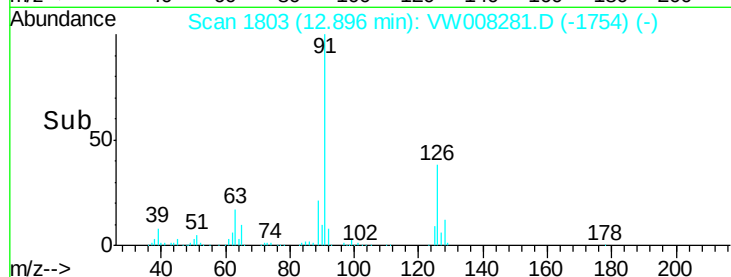
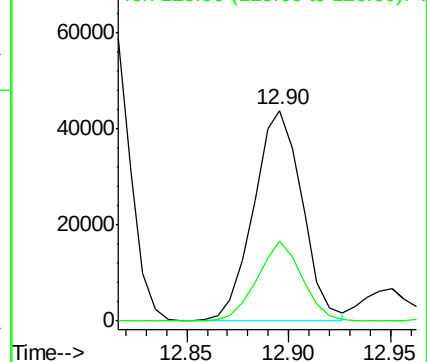
91 100

126 35.3 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.252 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008281.D

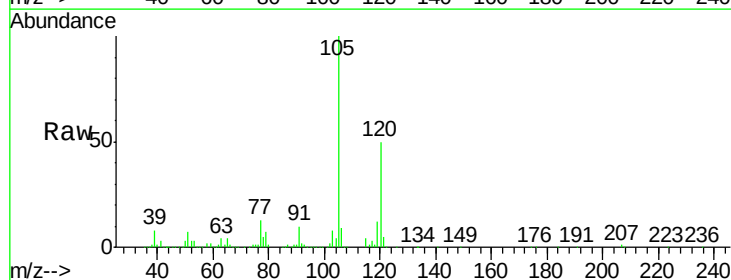
Acq: 15 Jan 2019 13:52

Tgt Ion: 105 Resp: 93844

Ion Ratio Lower Upper

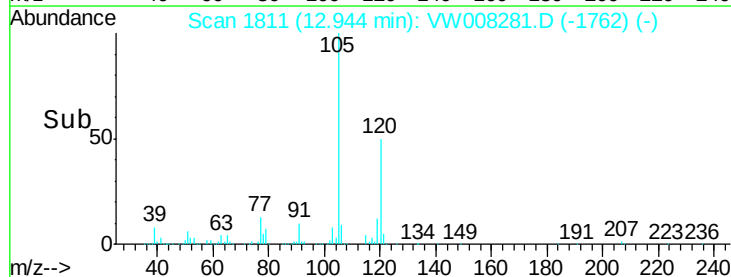
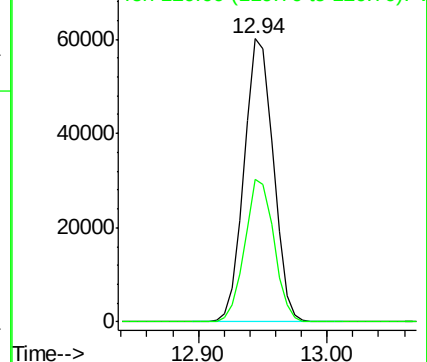
105 100

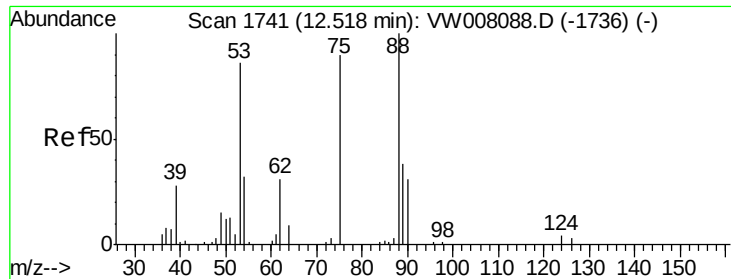
120 50.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

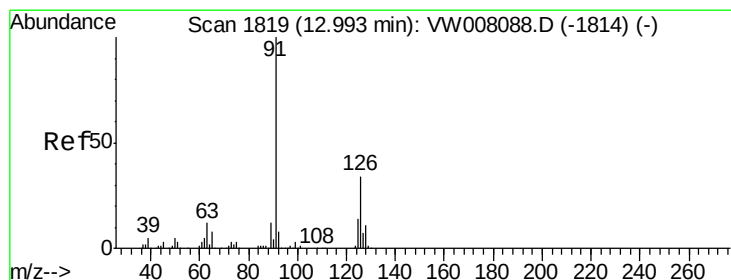
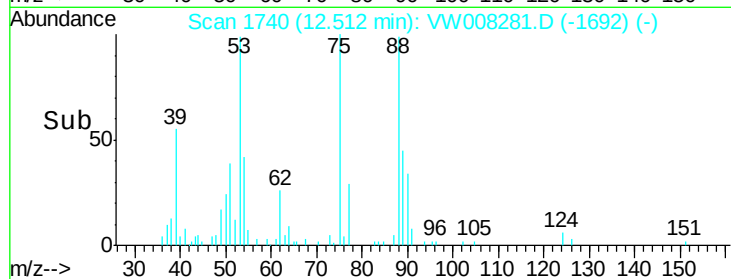
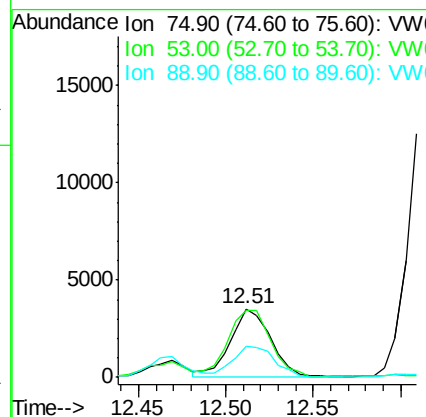
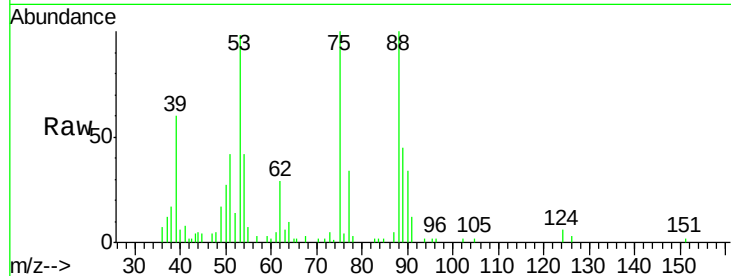




#81
trans-1,4-Dichloro-2-butene
Concen: 20.457 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

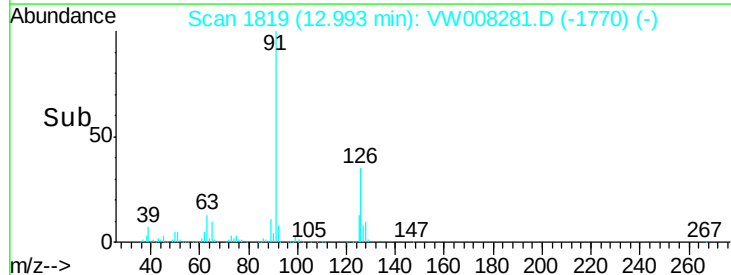
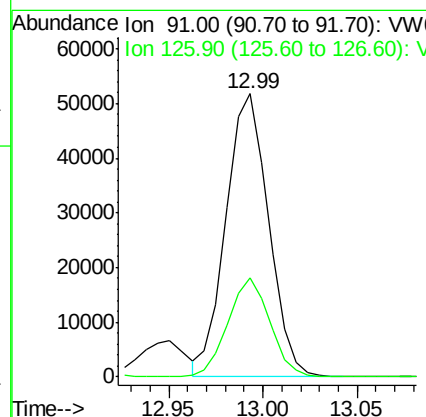
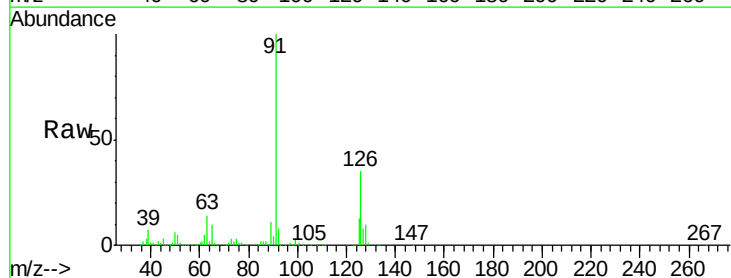
Instrument :
MSVOA_W
ClientSampleId :
VW0115BSD01

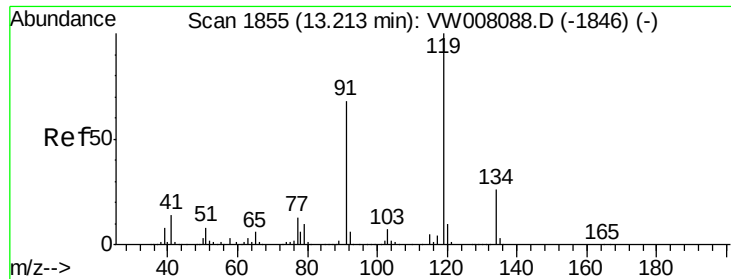
Tot Ion: 75 Resp: 5752
Ion Ratio Lower Upper
75 100
53 103.1 78.8 118.2
89 45.0 35.4 53.2



#82
4-Chlorotoluene
Concen: 20.016 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion: 91 Resp: 81261
Ion Ratio Lower Upper
91 100
126 34.5 16.5 49.5

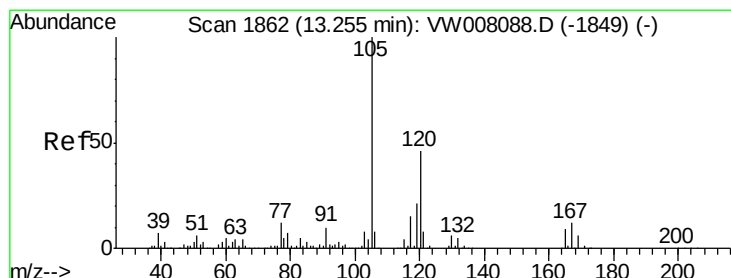
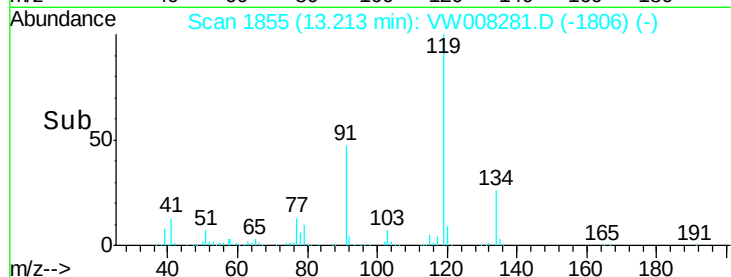
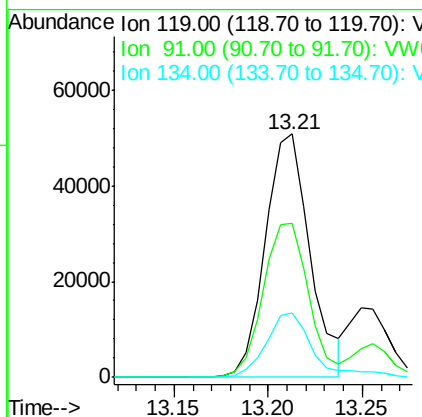
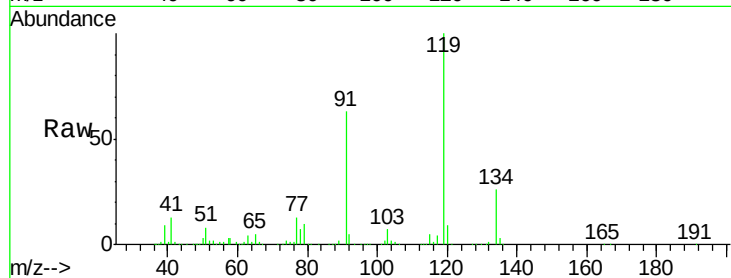




#83
tert-Butylbenzene
Concen: 20.388 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

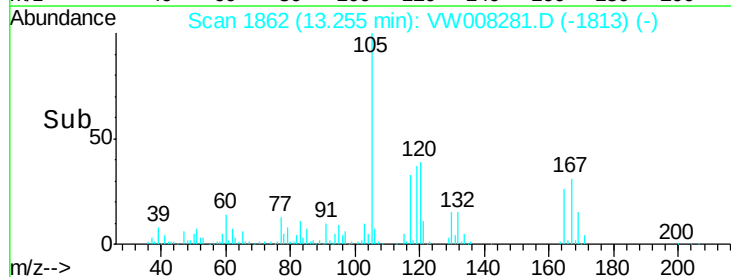
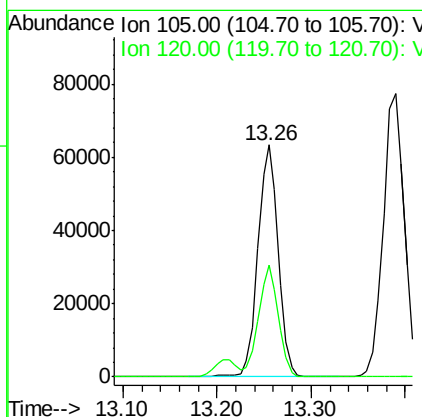
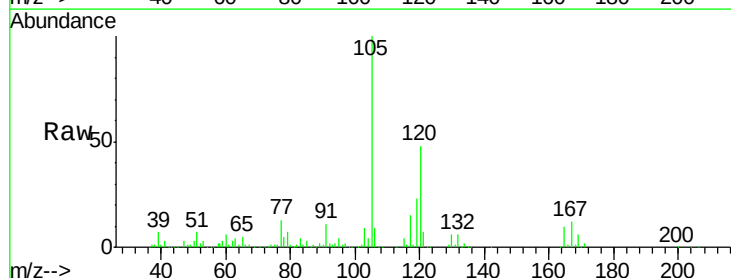
Instrument :
MSVOA_W
ClientSampleId :
VW0115SBS01

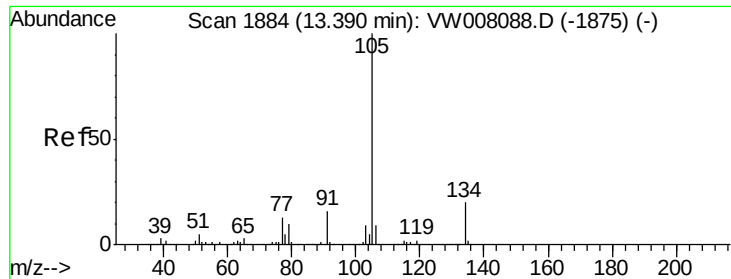
Tot Ion:119 Resp: 83579
Ion Ratio Lower Upper
119 100
91 64.0 33.9 101.6
134 27.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.199 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008281.D
Acq: 15 Jan 2019 13:52

Tgt Ion:105 Resp: 96536
Ion Ratio Lower Upper
105 100
120 47.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.911 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

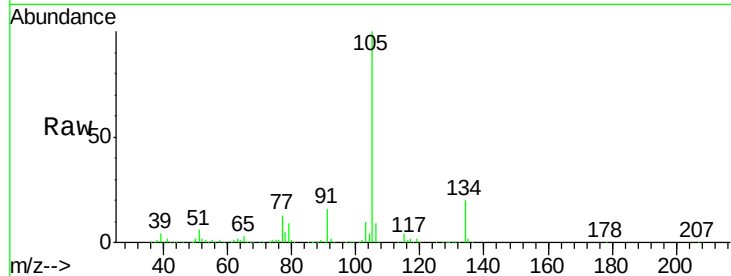
VW0115SBSD01

Tot Ion:105 Resp: 119567

Ion Ratio Lower Upper

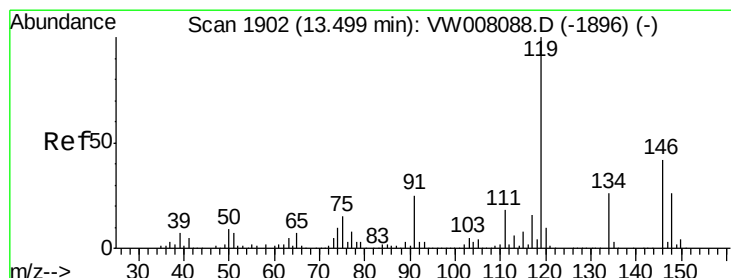
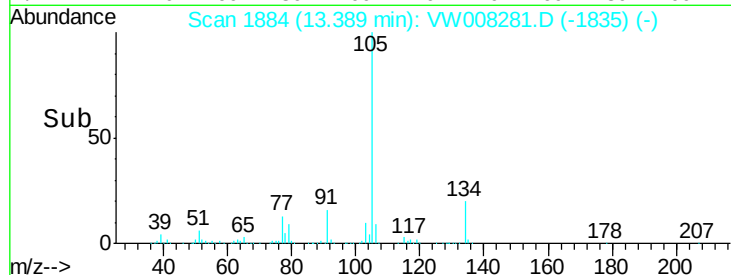
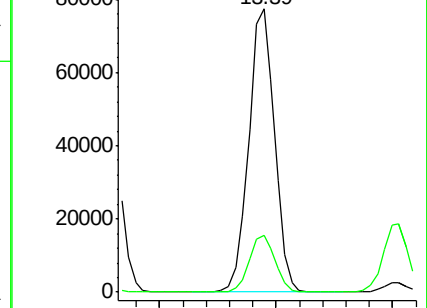
105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.187 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

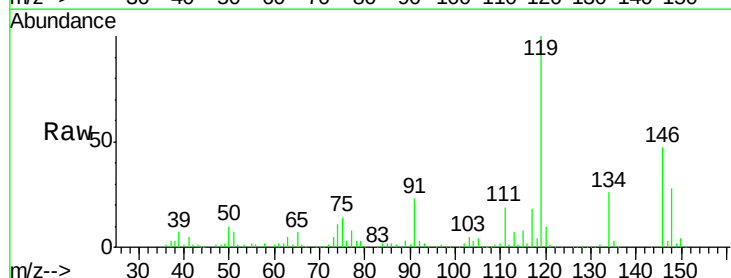
Tgt Ion:119 Resp: 104682

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

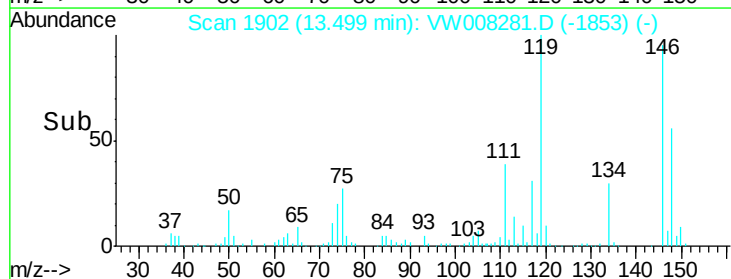
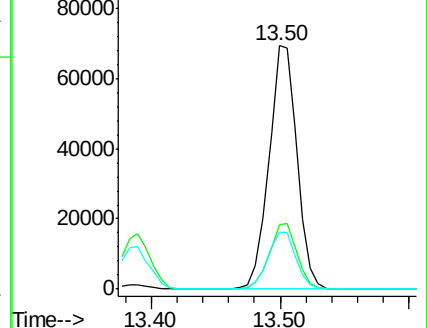
91 23.7 12.3 36.9

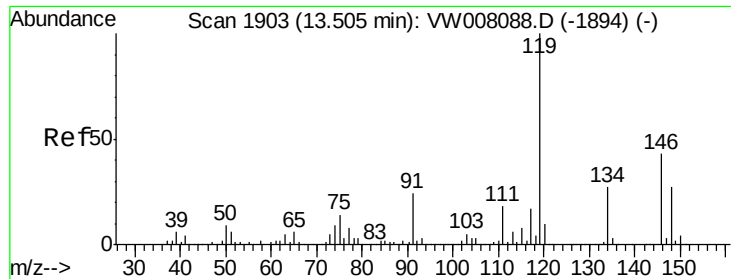


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

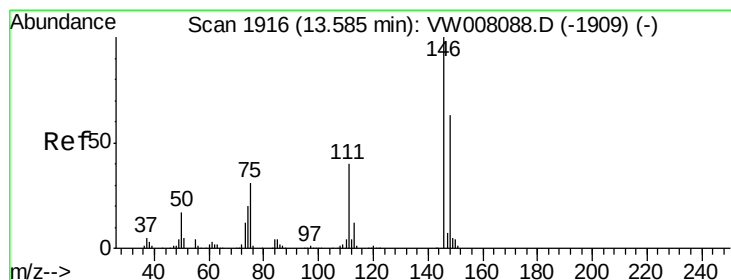
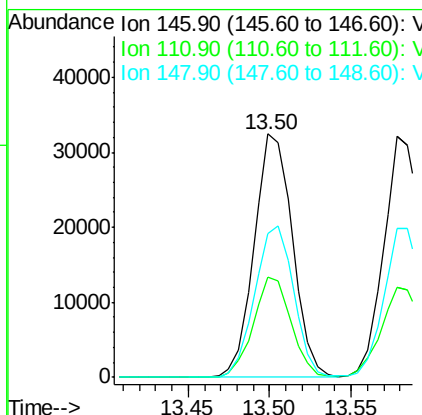
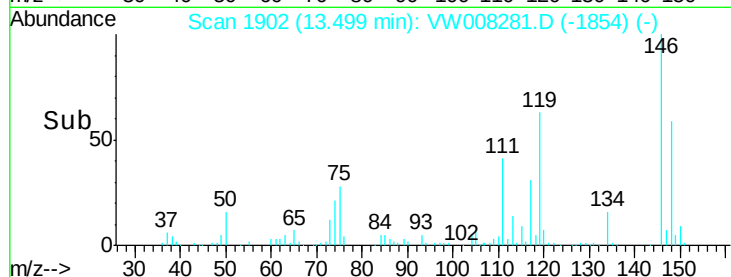
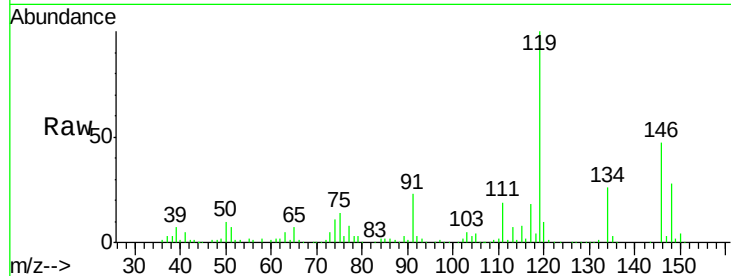




#87
 1,3-Dichlorobenzene
 Concen: 21.945 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

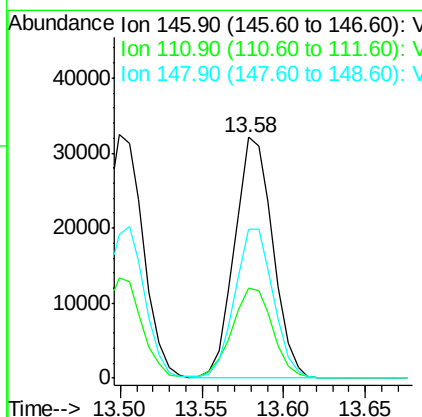
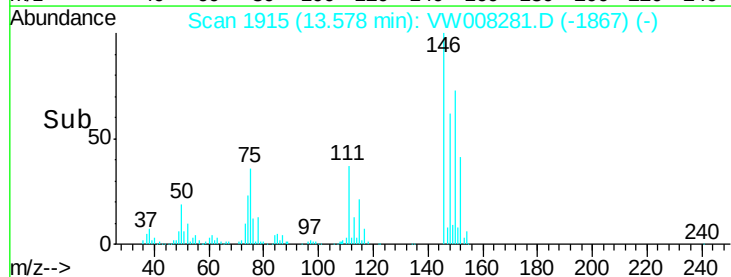
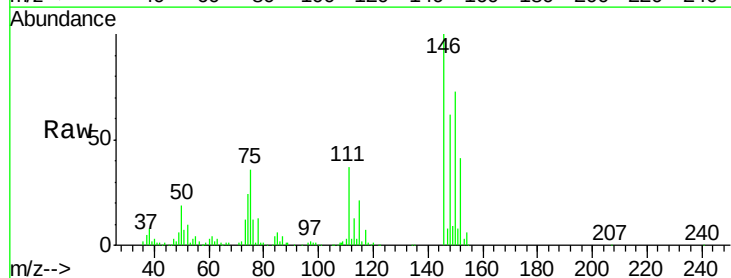
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115SBSD01

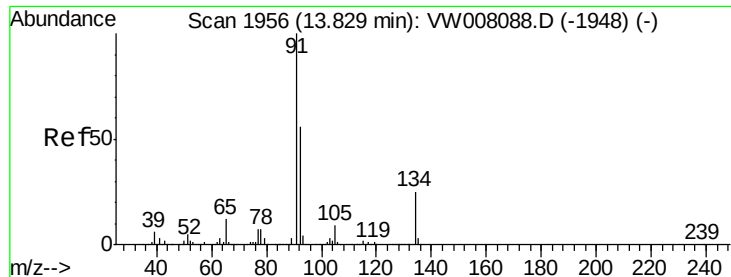
Tot Ion:146 Resp: 53040
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.1
 148 63.3 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.576 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion:146 Resp: 52322
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.5 61.5
 148 62.8 31.6 94.8





#89

n-Butylbenzene

Concen: 20.376 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

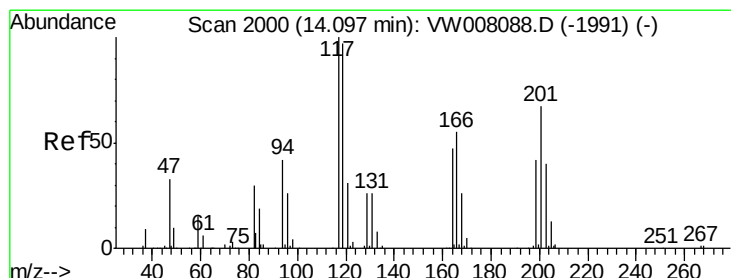
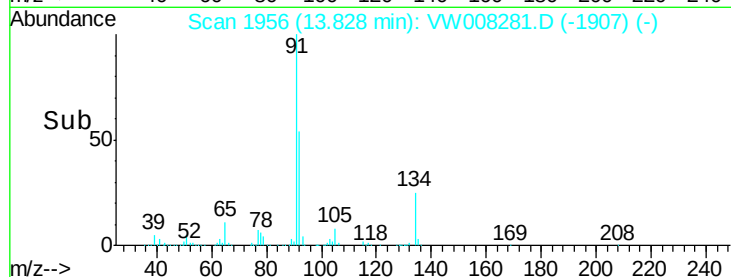
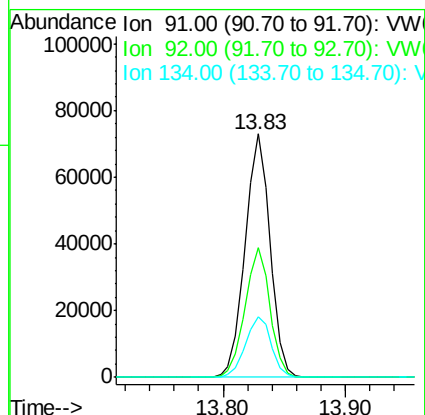
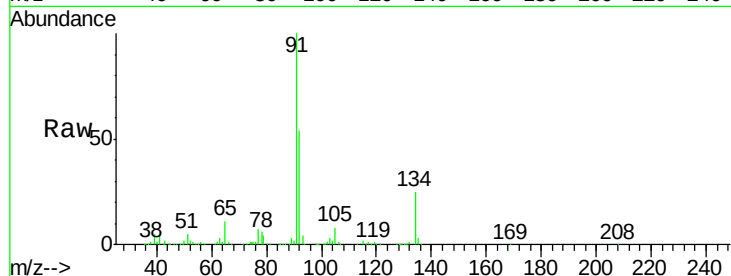
Tot Ion: 91 Resp: 103487

Ion Ratio Lower Upper

91 100

92 52.9 27.4 82.2

134 25.8 12.6 37.8



#90

Hexachloroethane

Concen: 21.894 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008281.D

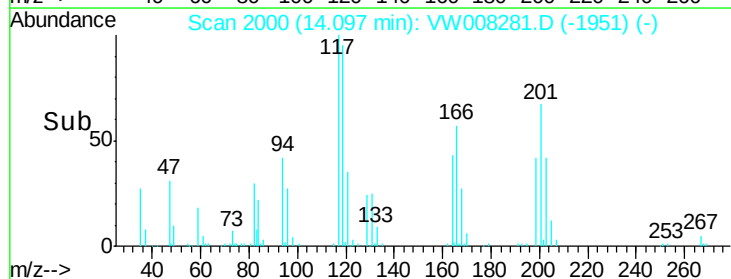
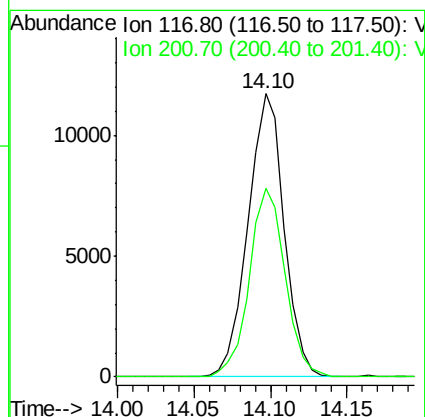
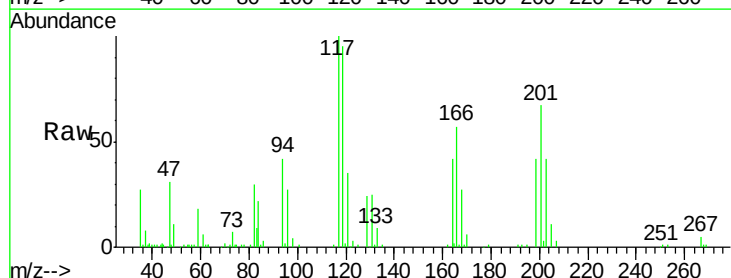
Acq: 15 Jan 2019 13:52

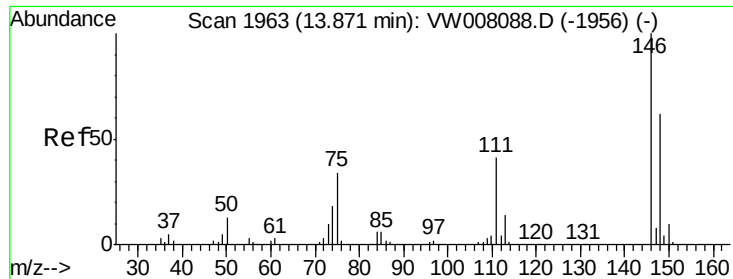
Tgt Ion: 117 Resp: 19177

Ion Ratio Lower Upper

117 100

201 66.4 33.0 98.9





#91

1,2-Dichlorobenzene

Concen: 21.748 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampled :

VW0115SBS01

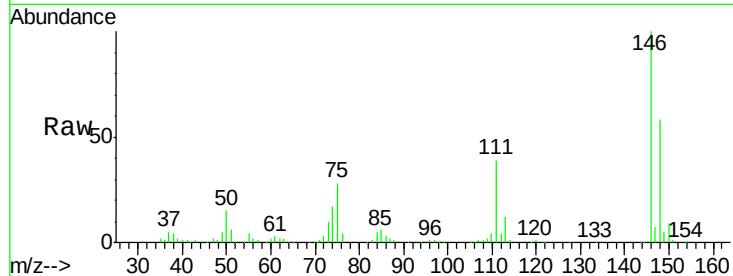
Tot Ion:146 Resp: 46196

Ion Ratio Lower Upper

146 100

111 41.2 21.3 63.7

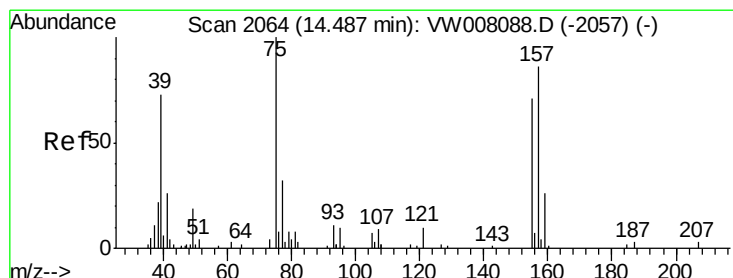
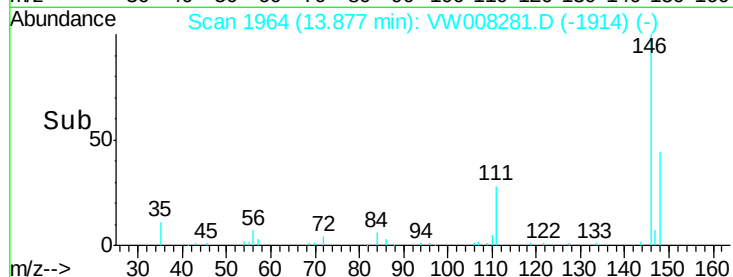
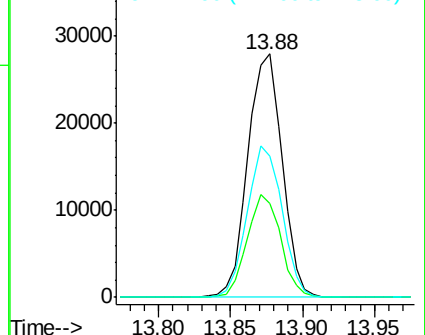
148 62.9 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.908 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

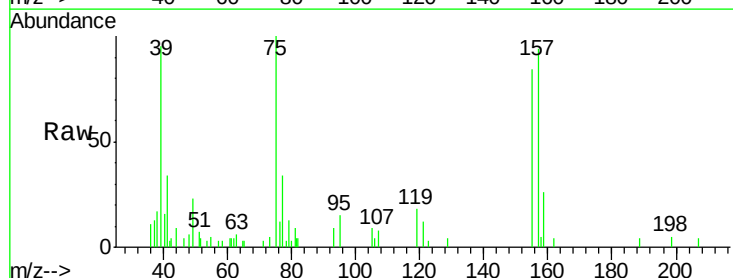
Tgt Ion: 75 Resp: 3037

Ion Ratio Lower Upper

75 100

155 86.9 38.6 115.7

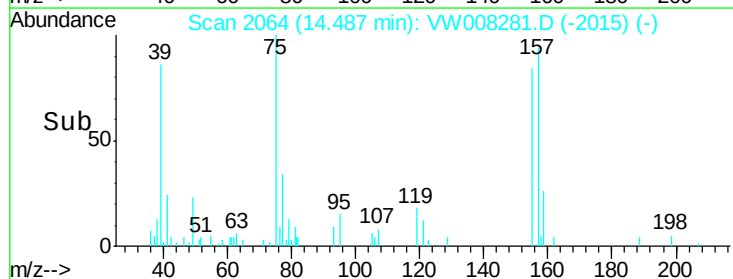
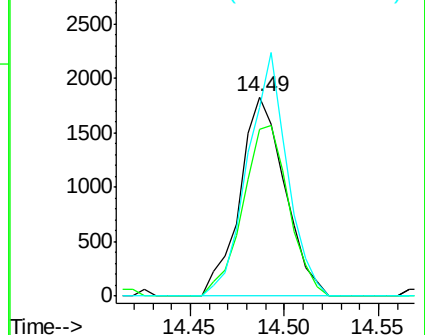
157 107.2 47.5 142.6

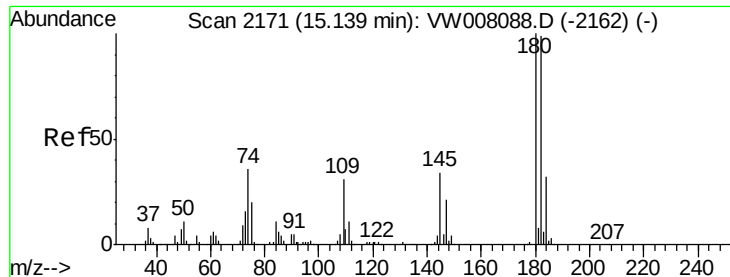


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

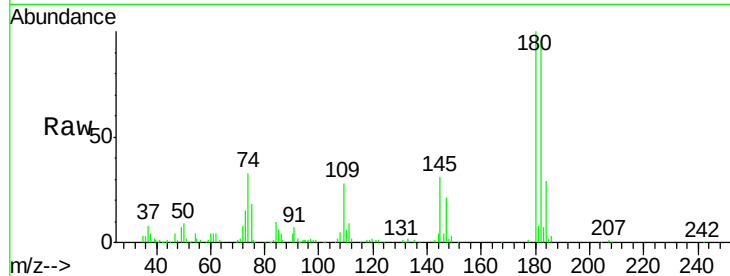




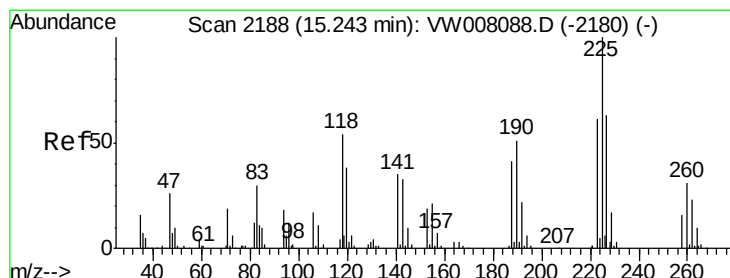
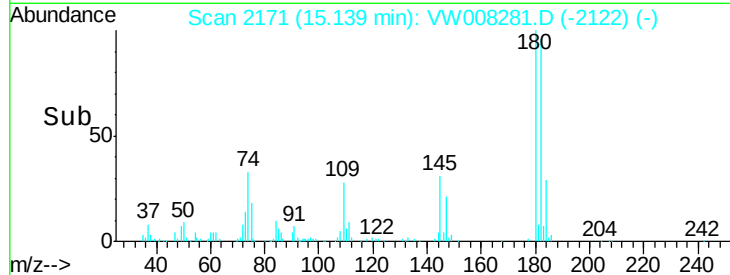
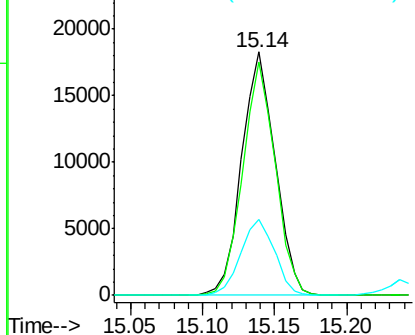
#93
 1,2,4-Trichlorobenzene
 Concen: 20.841 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0115BSD01

Tot Ion:180 Resp: 29392
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.6 145.9
 145 31.7 16.6 49.7

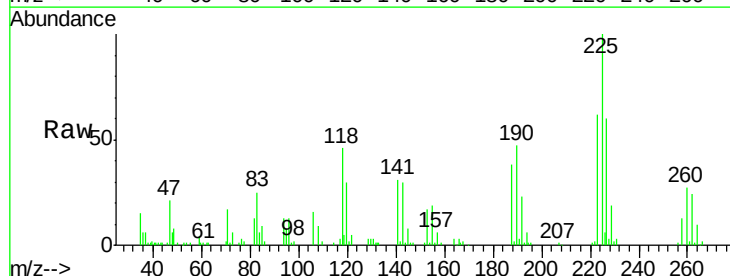


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

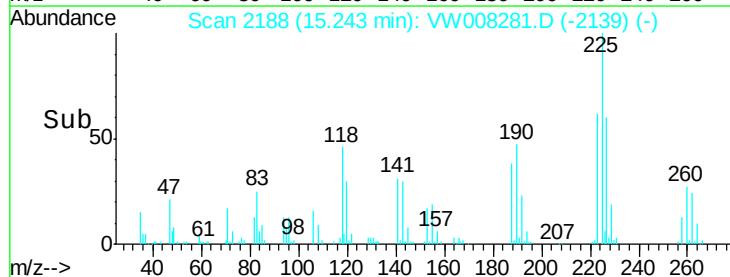
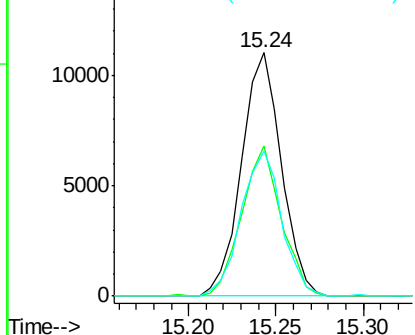


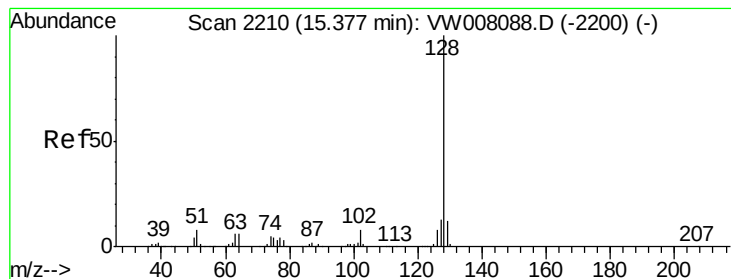
#94
 Hexachlorobutadiene
 Concen: 23.126 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008281.D
 Acq: 15 Jan 2019 13:52

Tgt Ion:225 Resp: 17456
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.4 94.3
 227 61.0 32.0 96.2



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





#95

Naphthalene

Concen: 19.709 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

Instrument :

MSVOA_W

ClientSampleId :

VW0115SBSD01

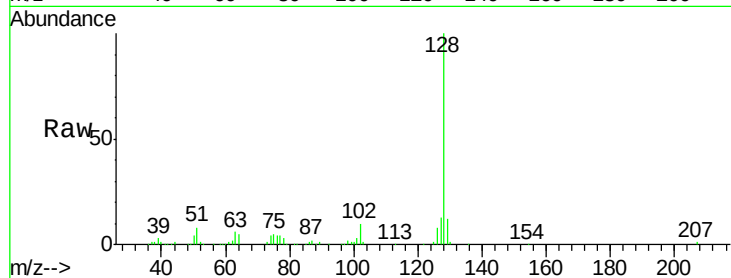
Tot Ion:128 Resp: 51900

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

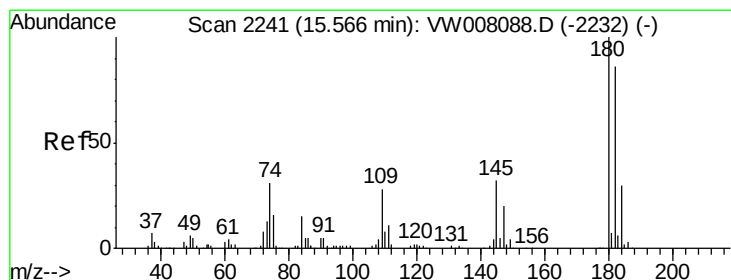
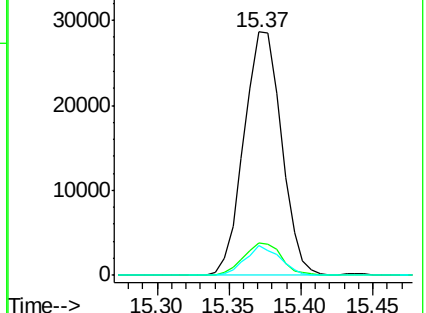
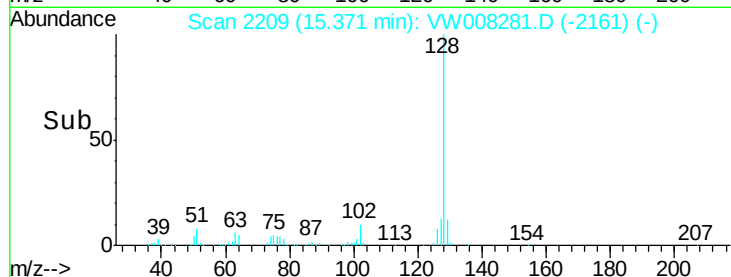
129 11.3 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.454 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008281.D

Acq: 15 Jan 2019 13:52

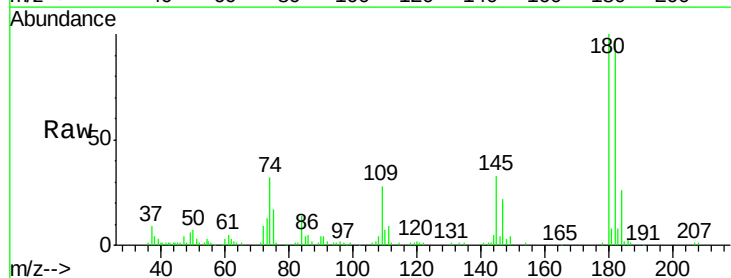
Tgt Ion:180 Resp: 25792

Ion Ratio Lower Upper

180 100

182 94.7 46.5 139.3

145 33.5 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

