

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005553.D
 Acq On : 21 Sep 2018 12:14
 Operator : VA/AP
 Sample : VW0922SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:51:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	362117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	323312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129401	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	7.89	113	108451	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	10.33	98	460313	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.62	95	167511	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	36230	23.533	ug/l	99
3) Chloromethane	2.21	50	38481	20.072	ug/l	97
4) Vinyl Chloride	2.37	62	48622	21.218	ug/l	100
5) Bromomethane	2.79	94	30519	19.707	ug/l	90
6) Chloroethane	2.93	64	29733	20.220	ug/l	96
7) Trichlorofluoromethane	3.26	101	39103	21.817	ug/l	100
8) Diethyl Ether	3.68	74	21325	18.214	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	45983	20.268	ug/l	98
10) Methyl Iodide	4.27	142	68636	19.671	ug/l	100
11) Tert butyl alcohol	5.21	59	14066	95.498	ug/l	99
12) 1,1-Dichloroethene	4.04	96	43778	20.155	ug/l	97
13) Acrolein	3.90	56	11437	106.611	ug/l	98
14) Allyl chloride	4.67	41	73964	19.512	ug/l	99
15) Acrylonitrile	5.38	53	44327	85.274	ug/l	97
16) Acetone	4.14	43	48872	105.181	ug/l	96
17) Carbon Disulfide	4.38	76	137917	20.322	ug/l	98
18) Methyl Acetate	4.67	43	21443	16.103	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63137	18.832	ug/l	100
20) Methylene Chloride	4.91	84	53067	19.968	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	46153	19.400	ug/l	98
22) Diisopropyl ether	6.31	45	142204	19.325	ug/l	98
23) Vinyl Acetate	6.26	43	392574	93.338	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87155	19.170	ug/l	99
25) 2-Butanone	7.18	43	59631	87.386	ug/l	99
26) 2,2-Dichloropropane	7.17	77	63511	20.010	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	49670	18.929	ug/l	99
28) Bromochloromethane	7.52	49	32603	18.104	ug/l #	98
29) Tetrahydrofuran	7.54	42	37161	87.169	ug/l	99
30) Chloroform	7.68	83	90024	19.180	ug/l	99
31) Cyclohexane	7.96	56	84828	19.475	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	81291	19.605	ug/l	99
36) 1,1-Dichloropropene	8.09	75	70941	19.461	ug/l	99
37) Ethyl Acetate	7.26	43	27266	17.774	ug/l	99
38) Carbon Tetrachloride	8.07	117	77789	19.914	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005553.D
 Acq On : 21 Sep 2018 12:14
 Operator : VA/AP
 Sample : VW0922SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:51:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86303	20.067	ug/l	99
40) Benzene	8.33	78	199521	19.318	ug/l	98
41) Methacrylonitrile	7.49	41	16666	19.092	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62239	18.822	ug/l	98
43) Isopropyl Acetate	8.43	43	51623	17.116	ug/l	98
44) Trichloroethene	9.10	130	51664	19.542	ug/l	93
45) 1,2-Dichloropropane	9.37	63	47717	18.779	ug/l	99
46) Dibromomethane	9.46	93	23694	18.662	ug/l	98
47) Bromodichloromethane	9.65	83	63087	18.498	ug/l	96
48) Methyl methacrylate	9.44	41	24724	17.259	ug/l	94
49) 1,4-Dioxane	9.48	88	7080	350.753	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	133446	87.847	ug/l	99
52) Toluene	10.39	92	127079	19.719	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63700	18.631	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	72551	18.939	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	33039	18.333	ug/l	96
56) Ethyl methacrylate	10.65	69	40007	17.983	ug/l	99
57) 1,3-Dichloropropane	10.94	76	58852	18.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	94403	93.610	ug/l	98
59) 2-Hexanone	10.98	43	92368	89.509	ug/l	99
60) Dibromochloromethane	11.13	129	40078	18.405	ug/l	96
61) 1,2-Dibromoethane	11.24	107	31608	18.811	ug/l	98
64) Tetrachloroethene	10.87	164	43789	19.083	ug/l	95
65) Chlorobenzene	11.66	112	135549	19.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	47928	19.402	ug/l	98
67) Ethyl Benzene	11.74	91	244000	20.028	ug/l	100
68) m/p-Xylenes	11.85	106	187570	40.752	ug/l	99
69) o-Xylene	12.17	106	86530	20.074	ug/l	100
70) Styrene	12.19	104	144792	19.960	ug/l	100
71) Bromoform	12.35	173	24403	18.611	ug/l #	99
73) Isopropylbenzene	12.47	105	252315	20.674	ug/l	100
74) N-amyl acetate	12.28	43	49712	17.988	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	37871	18.682	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54086	36.053	ug/l #	100
77) Bromobenzene	12.76	156	56360	19.703	ug/l	99
78) n-propylbenzene	12.81	91	304377	20.600	ug/l	99
79) 2-Chlorotoluene	12.90	91	175081	20.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	215177	20.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12144	18.232	ug/l	98
82) 4-Chlorotoluene	12.99	91	183635	20.331	ug/l	99
83) tert-Butylbenzene	13.21	119	179799	20.167	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	223641	20.883	ug/l	99
85) sec-Butylbenzene	13.39	105	266053	20.576	ug/l	98
86) p-Isopropyltoluene	13.51	119	241263	20.817	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	117136	20.027	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	116084	19.955	ug/l	99
89) n-Butylbenzene	13.83	91	225988	20.672	ug/l	99
90) Hexachloroethane	14.10	117	42748	20.350	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	102025	19.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7428	19.232	ug/l	91

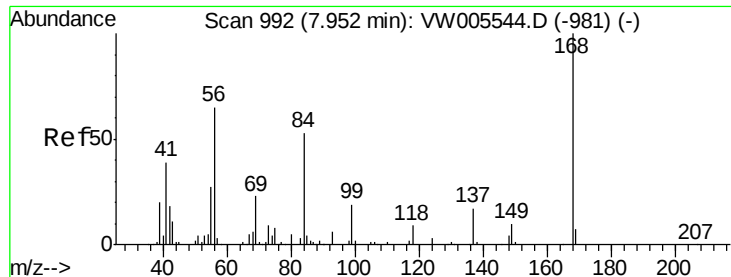
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092218\
Data File : VW005553.D
Acq On : 21 Sep 2018 12:14
Operator : VA/AP
Sample : VW0922SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 14:51:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	75661	20.542	ug/l	99
94) Hexachlorobutadiene	15.24	225	48674	20.398	ug/l	98
95) Naphthalene	15.38	128	120734	19.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	65618	20.215	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

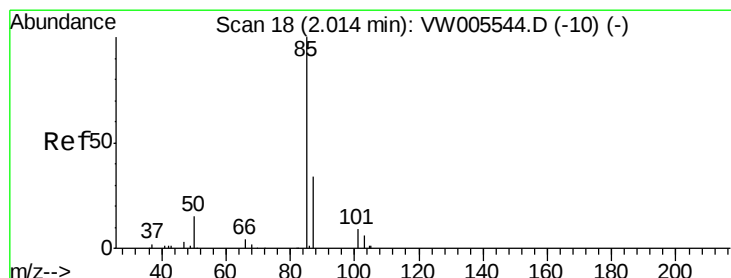
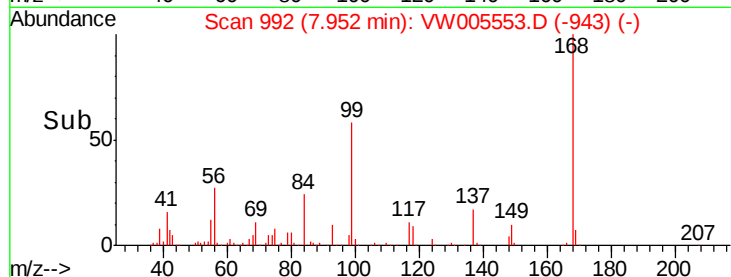
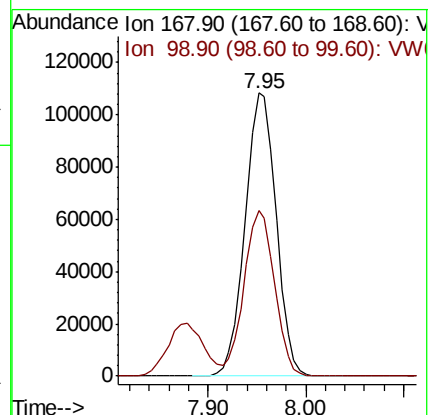
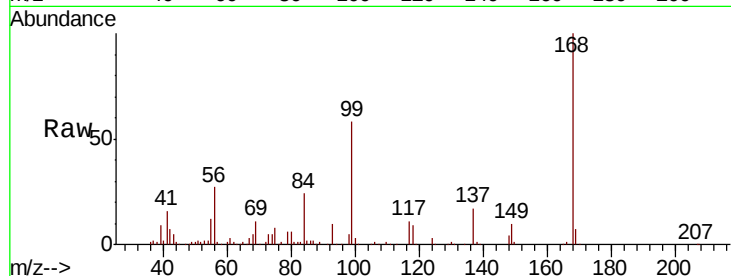
ClientSampled :

Tot Ion:168 Resp: 238490

Ion Ratio Lower Upper

168 100

99 58.4 48.4 72.6



#2

Dichlorodifluoromethane

Concen: 23.533 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005553.D

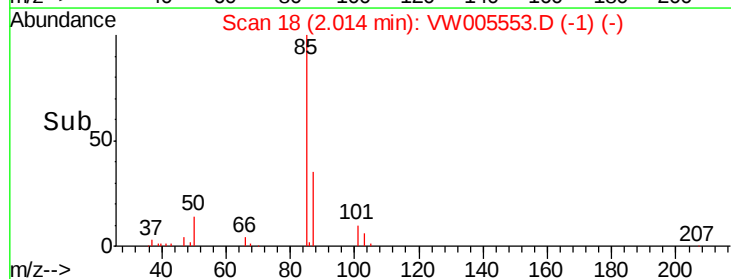
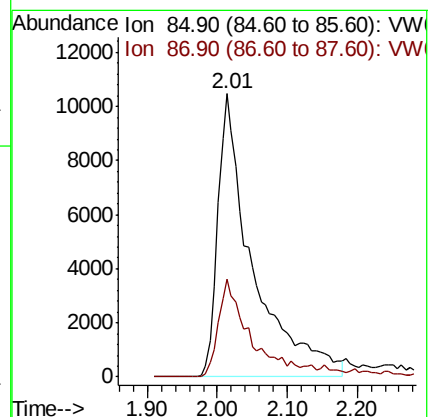
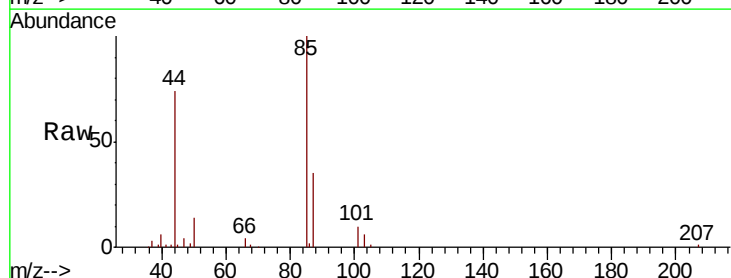
Acq: 21 Sep 2018 12:14

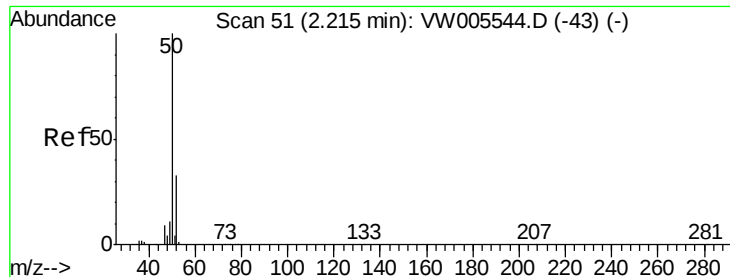
Tgt Ion: 85 Resp: 36230

Ion Ratio Lower Upper

85 100

87 34.6 17.0 50.9





#3

Chloromethane

Concen: 20.072 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

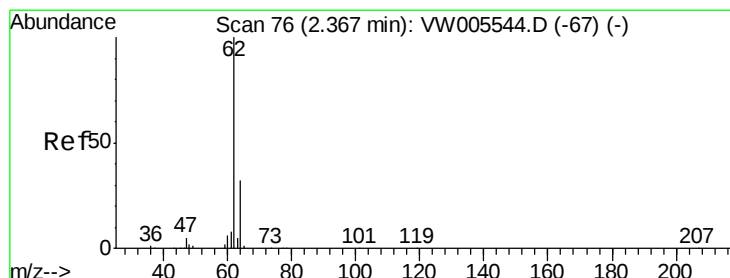
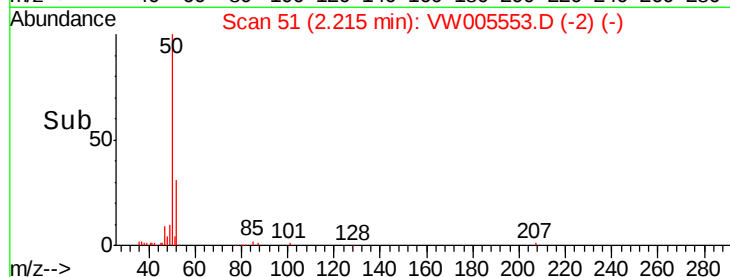
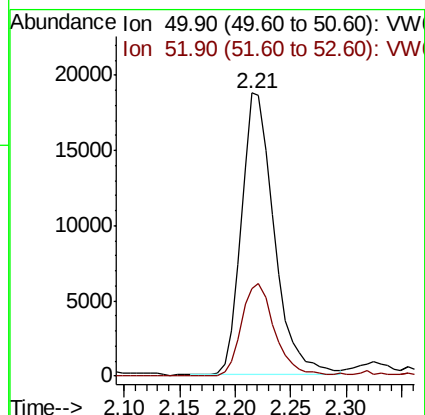
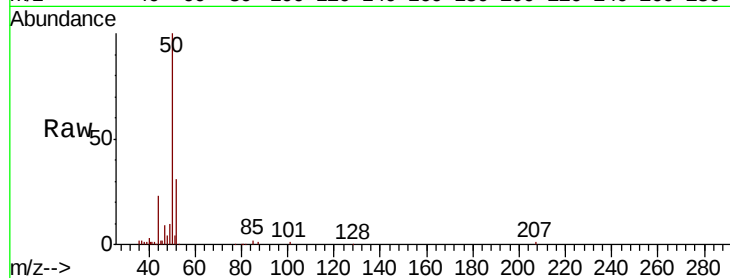
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 38481

Ion Ratio Lower Upper

50 100

52 31.0 26.2 39.4



#4

Vinyl Chloride

Concen: 21.218 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005553.D

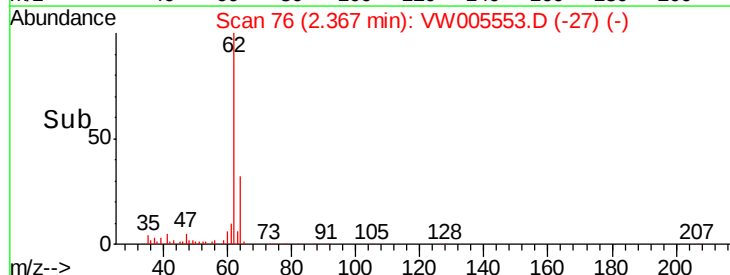
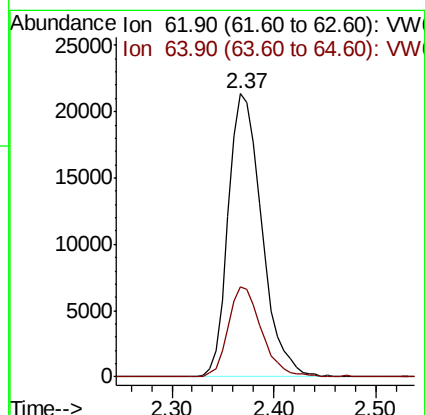
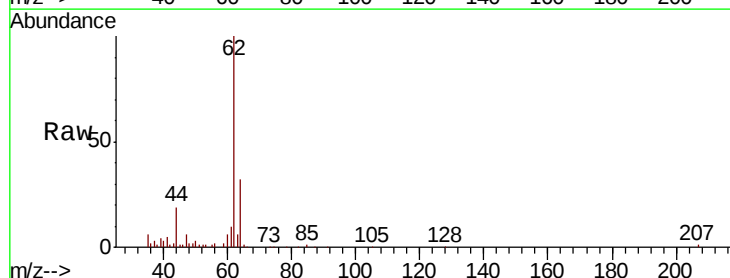
Acq: 21 Sep 2018 12:14

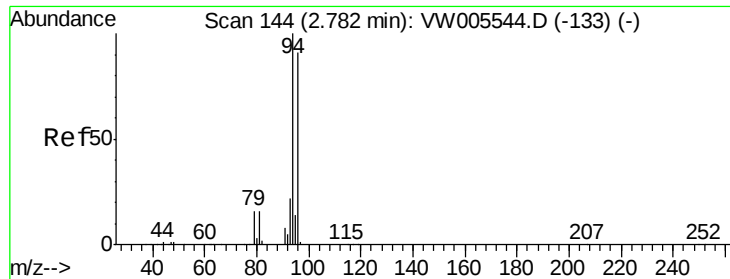
Tgt Ion: 62 Resp: 48622

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 19.707 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

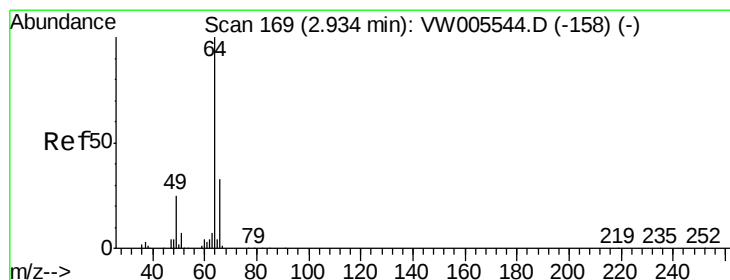
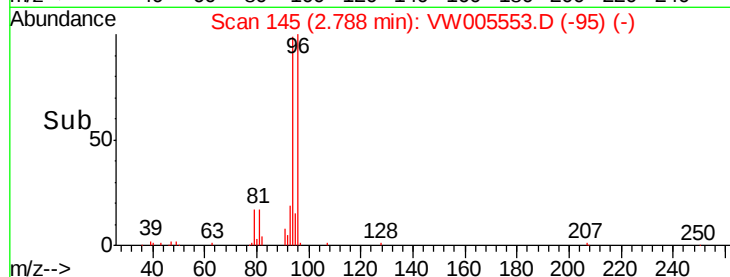
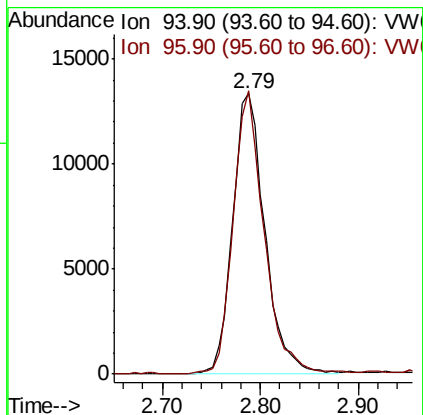
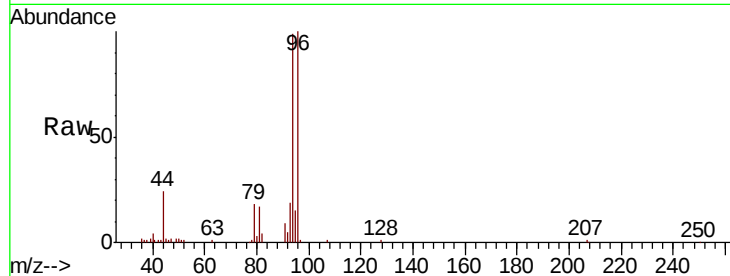
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 30519

Ion Ratio Lower Upper

94 100

96 100.8 73.1 109.7



#6

Chloroethane

Concen: 20.220 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005553.D

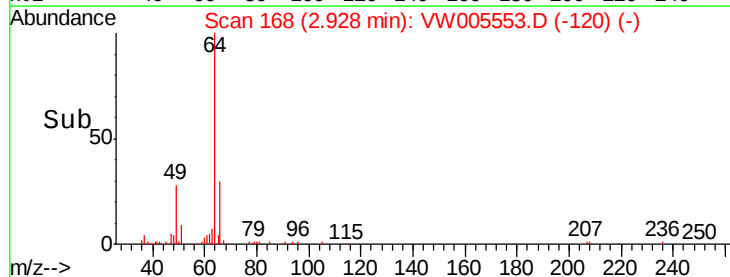
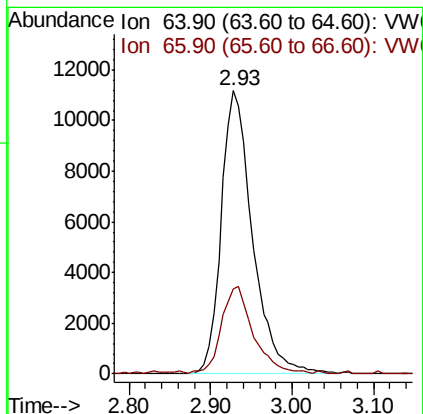
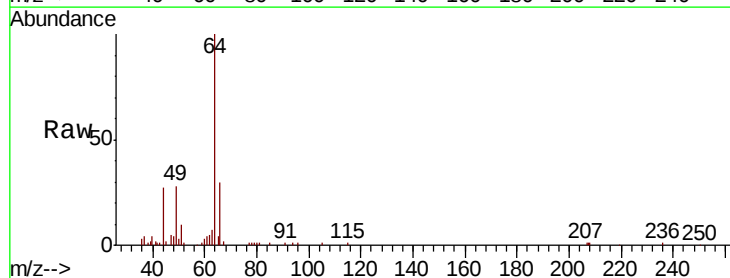
Acq: 21 Sep 2018 12:14

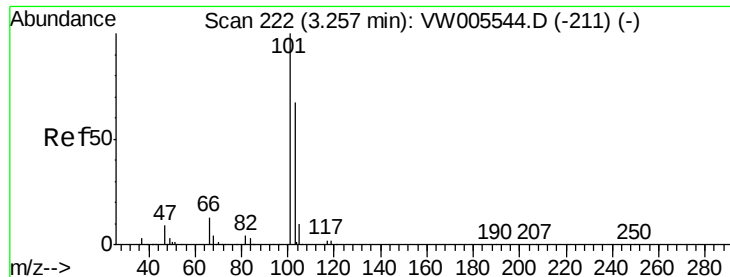
Tgt Ion: 64 Resp: 29733

Ion Ratio Lower Upper

64 100

66 30.1 26.0 39.0



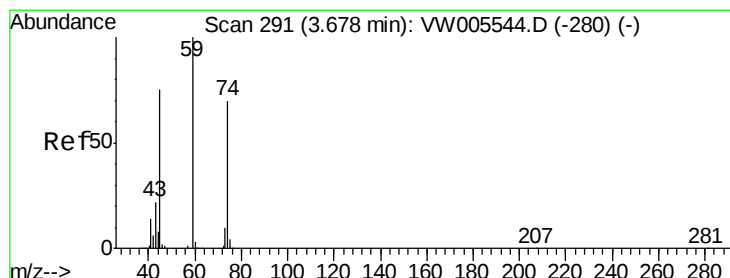
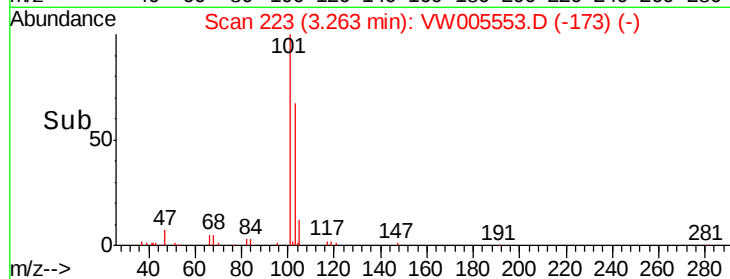
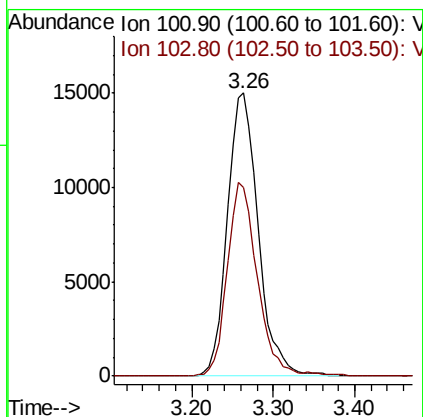
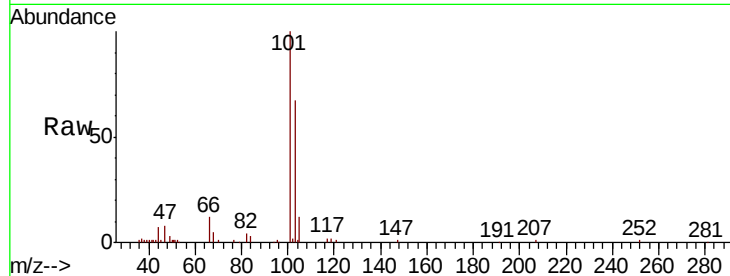


#7

Trichlorofluoromethane
 Concen: 21.817 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Instrument :
 MSVOA_W
 ClientSampleId :

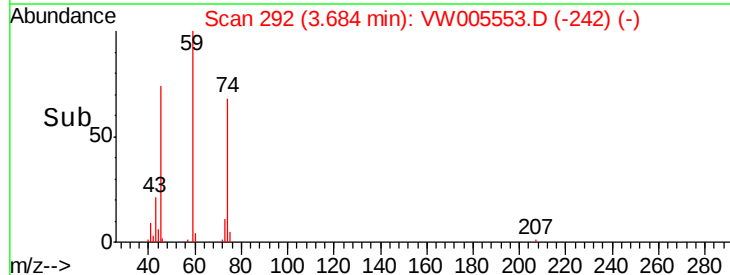
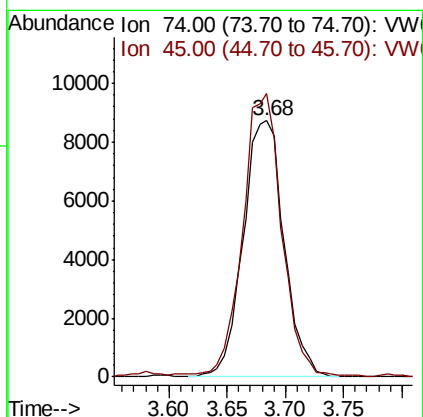
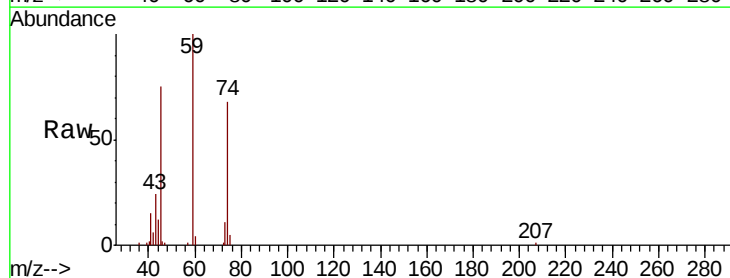
Tot Ion:101 Resp: 39103
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.2 79.8

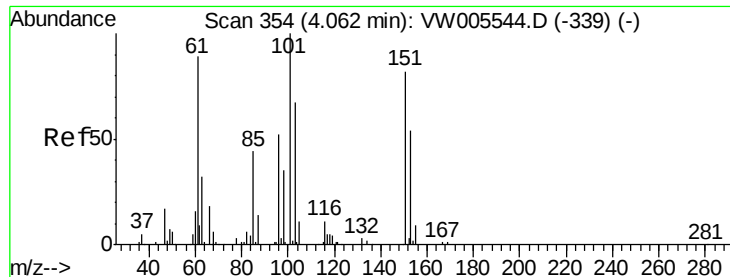


#8

Diethyl Ether
 Concen: 18.214 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion: 74 Resp: 21325
 Ion Ratio Lower Upper
 74 100
 45 106.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.268 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005553.D

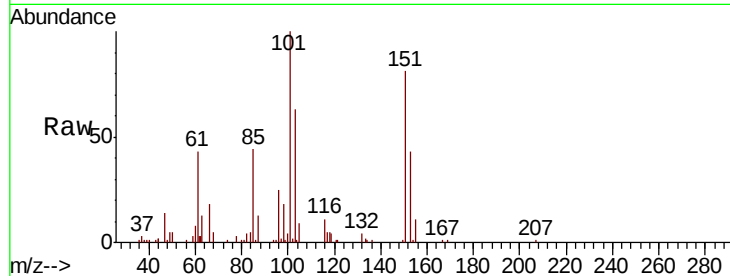
Acq: 21 Sep 2018 12:14

Instrument :

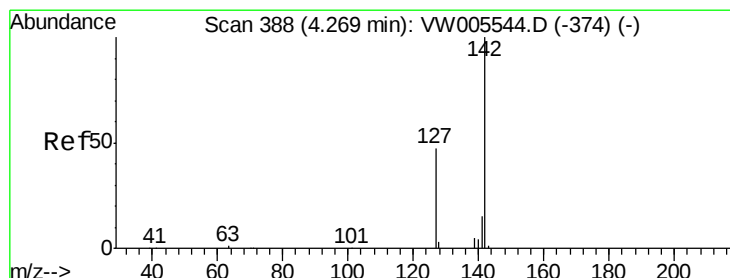
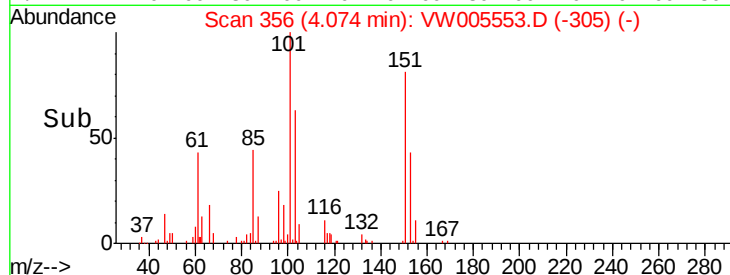
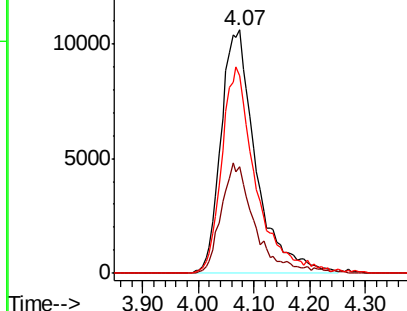
MSVOA_W

ClientSampled :

Tot Ion:	101	Resp:	45983
Ion	Ratio	Lower	Upper
101	100		
85	42.5	36.4	54.6
151	82.6	65.8	98.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.671 ug/l

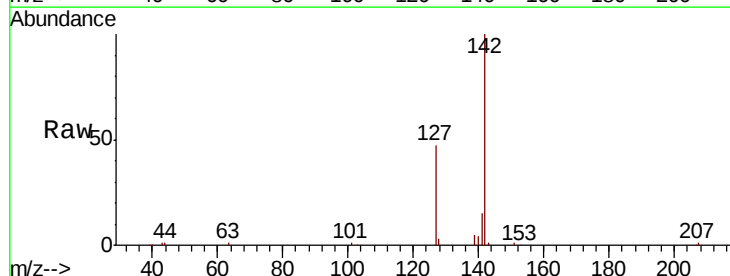
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

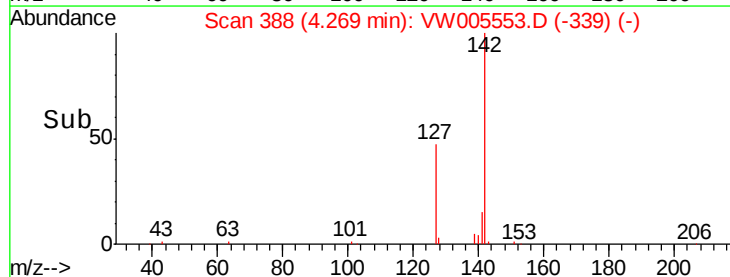
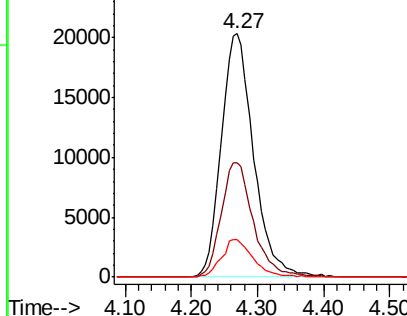
Lab File: VW005553.D

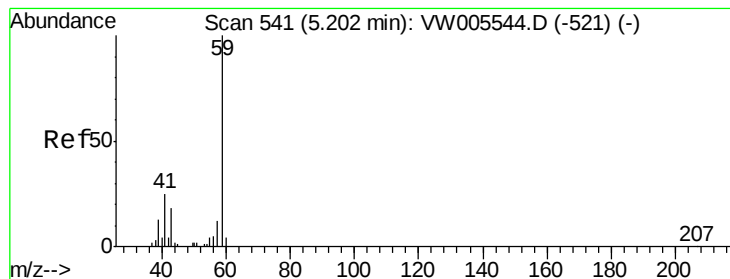
Acq: 21 Sep 2018 12:14

Tgt Ion:	142	Resp:	68636
Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.4	56.0
141	15.3	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.498 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

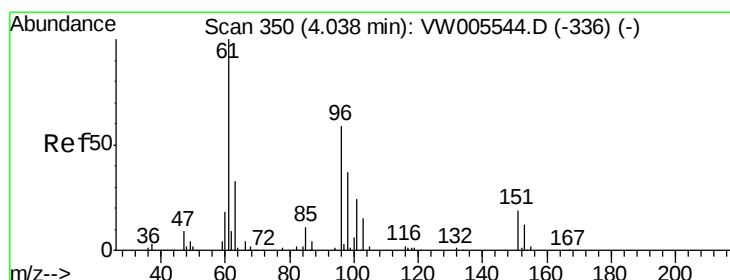
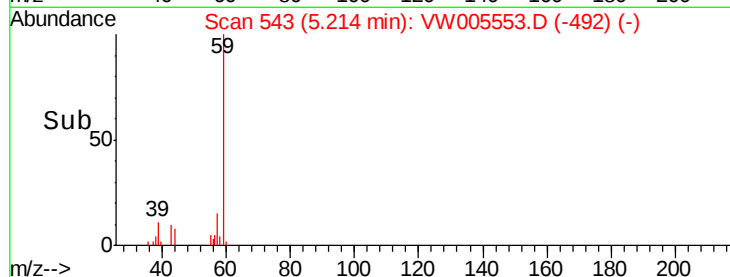
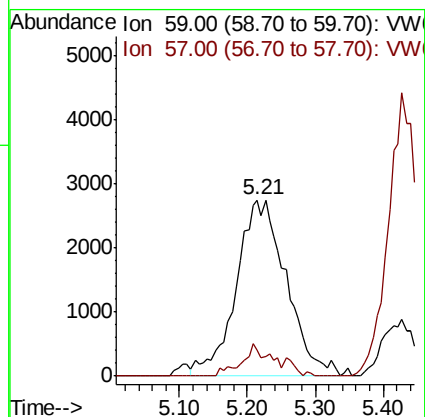
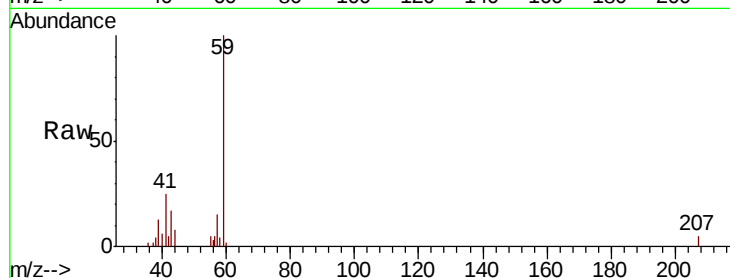
ClientSampled :

Tot Ion: 59 Resp: 14066

Ion Ratio Lower Upper

59 100

57 10.1 8.3 12.5



#12

1,1-Dichloroethene

Concen: 20.155 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

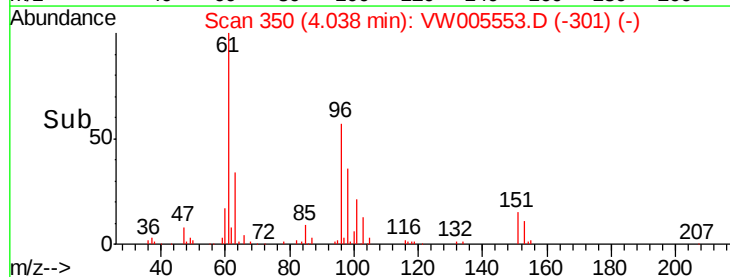
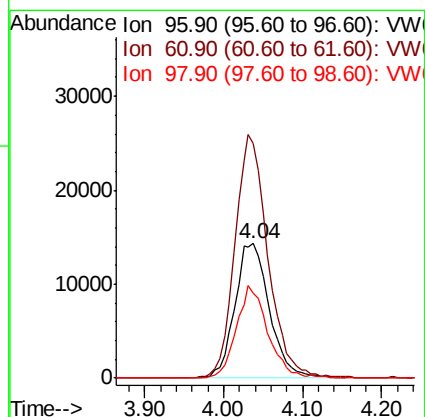
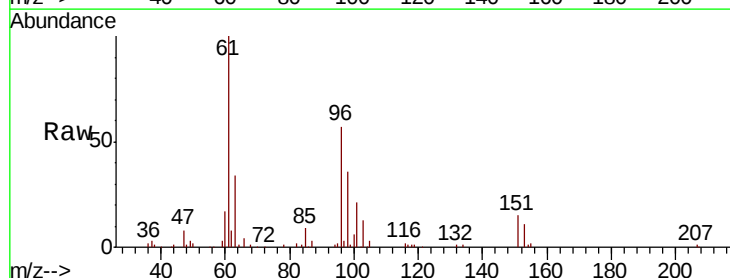
Tgt Ion: 96 Resp: 43778

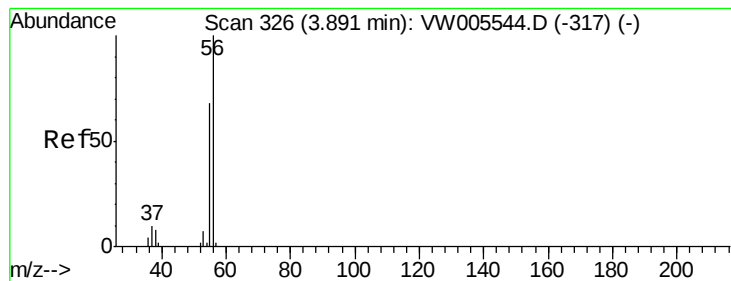
Ion Ratio Lower Upper

96 100

61 174.6 135.0 202.6

98 63.1 50.6 76.0





#13

Acrolein

Concen: 106.611 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

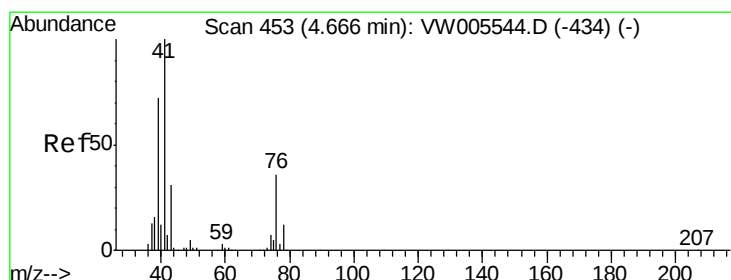
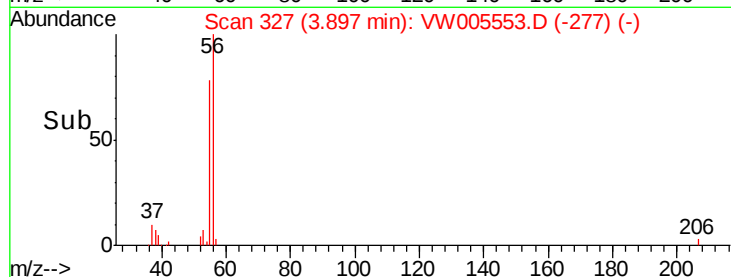
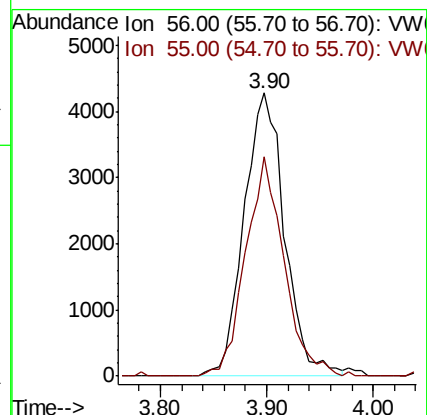
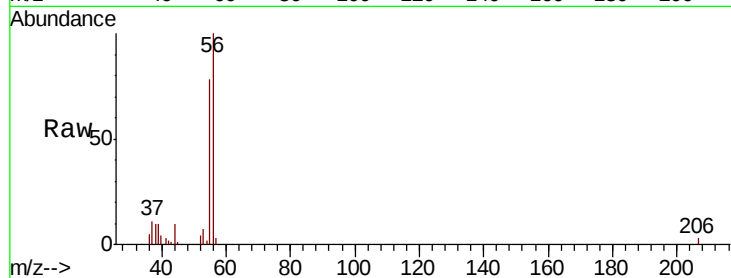
ClientSampleId :

Tot Ion: 56 Resp: 11437

Ion Ratio Lower Upper

56 100

55 73.6 57.8 86.8



#14

Allyl chloride

Concen: 19.512 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

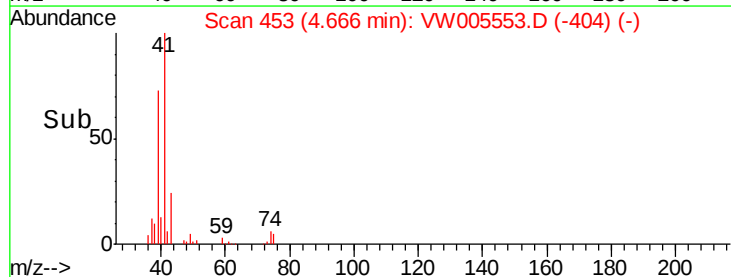
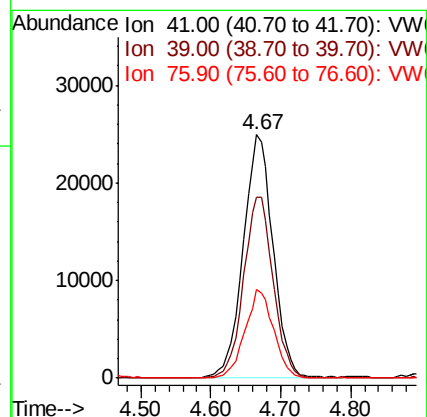
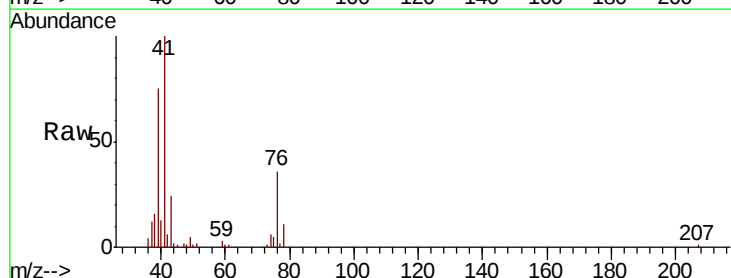
Tgt Ion: 41 Resp: 73964

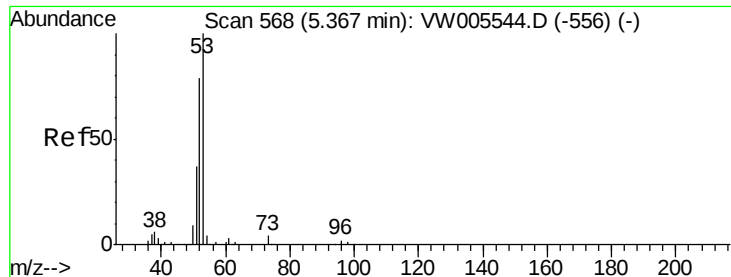
Ion Ratio Lower Upper

41 100

39 73.6 59.6 89.4

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 85.274 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

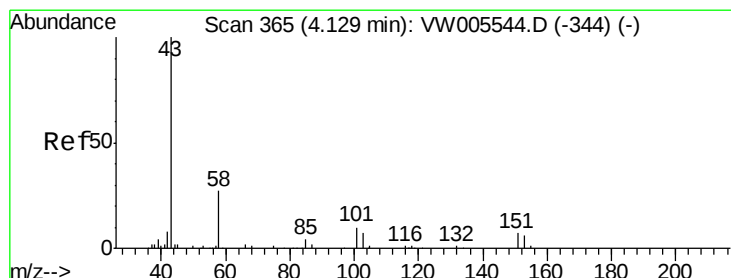
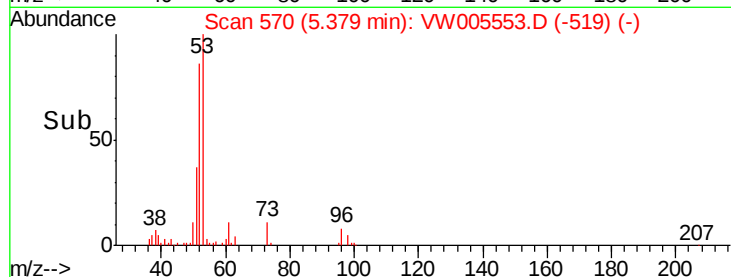
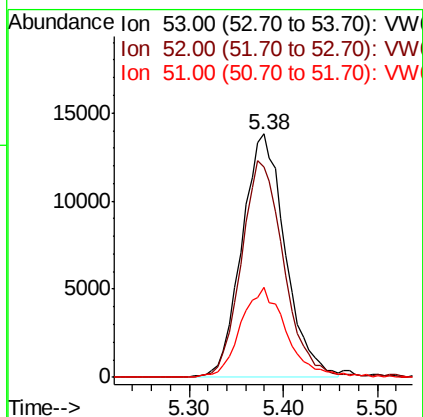
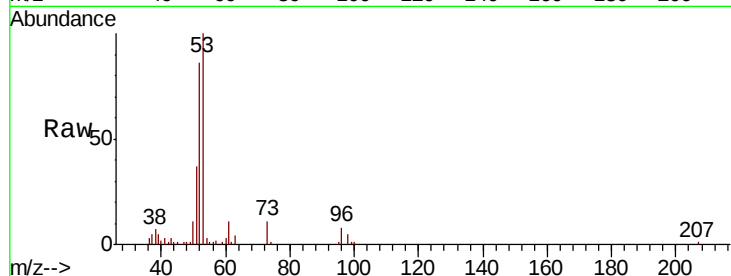
Tot Ion: 53 Resp: 44327

Ion Ratio Lower Upper

53 100

52 86.7 66.5 99.7

51 39.1 30.6 46.0



#16

Acetone

Concen: 105.181 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005553.D

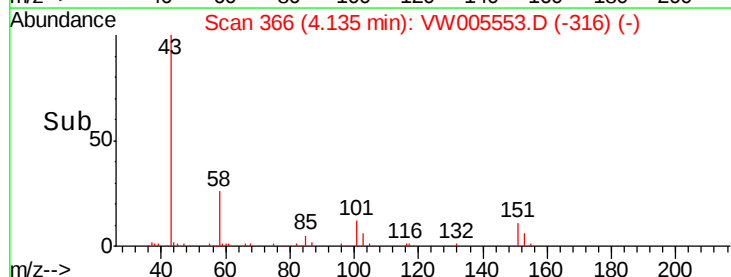
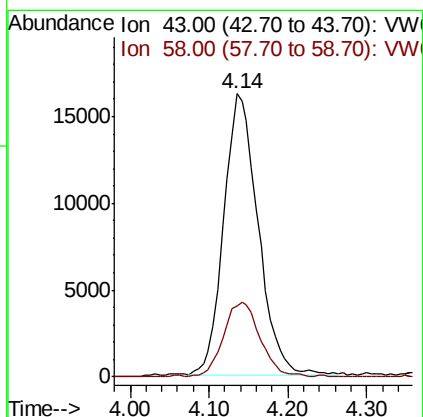
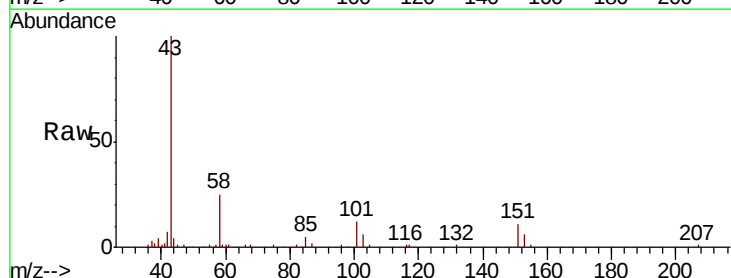
Acq: 21 Sep 2018 12:14

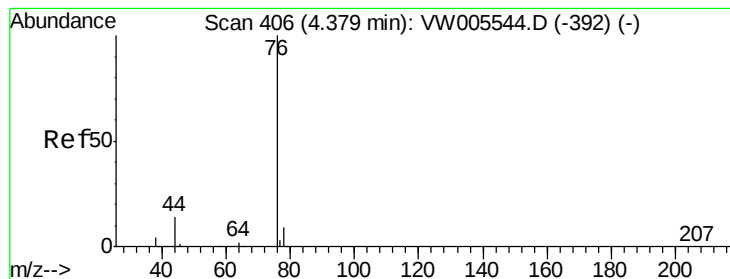
Tgt Ion: 43 Resp: 48872

Ion Ratio Lower Upper

43 100

58 25.4 21.8 32.8





#17

Carbon Disulfide

Concen: 20.322 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

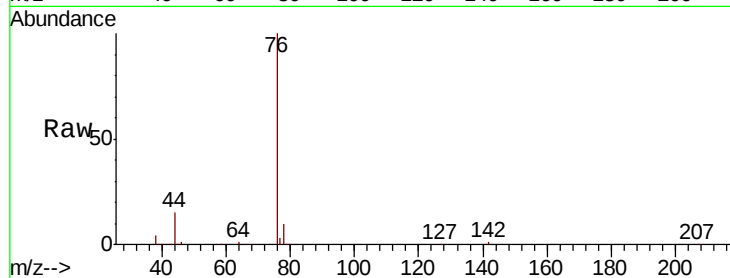
ClientSampled :

Tot Ion: 76 Resp: 137917

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

50000

40000

30000

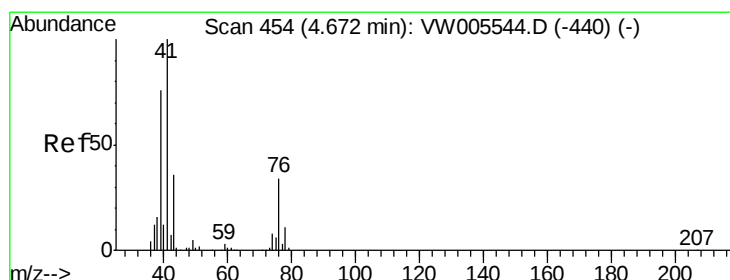
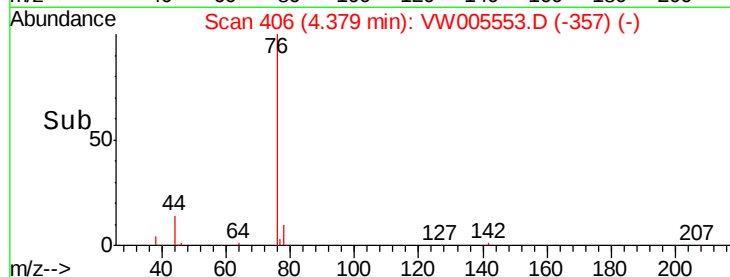
20000

10000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 16.103 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005553.D

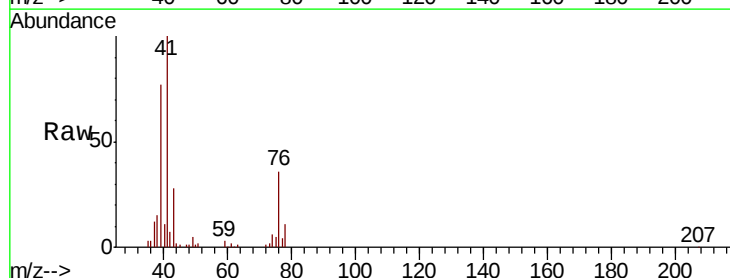
Acq: 21 Sep 2018 12:14

Tgt Ion: 43 Resp: 21443

Ion Ratio Lower Upper

43 100

74 22.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

8000

6000

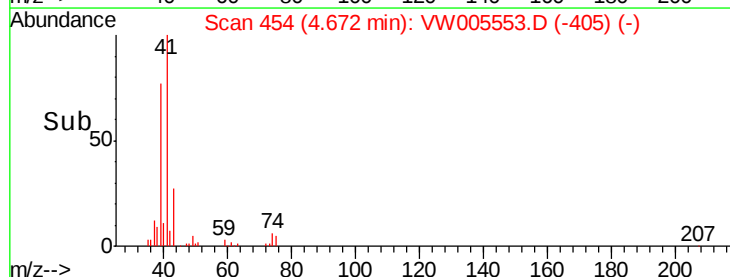
4000

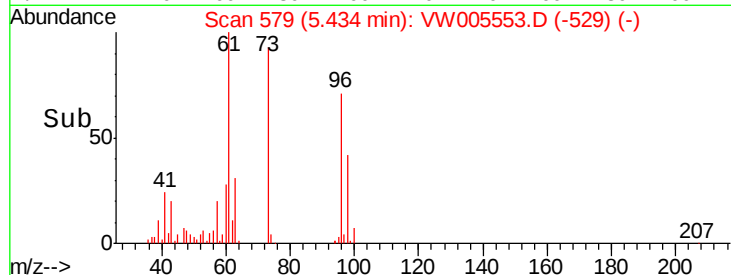
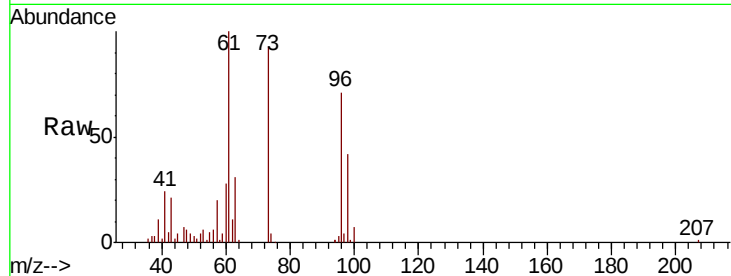
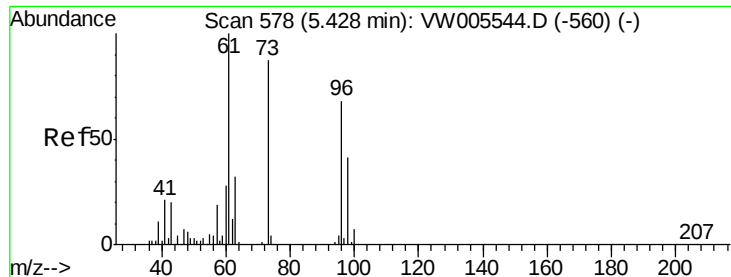
2000

0

Time-->

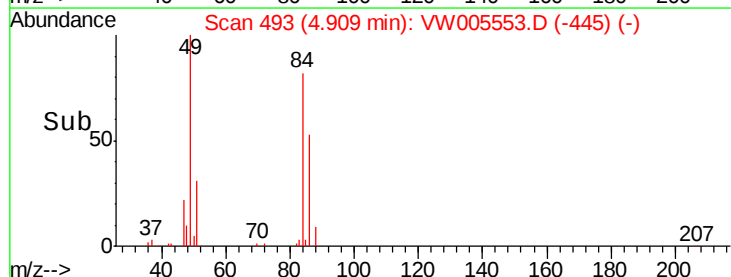
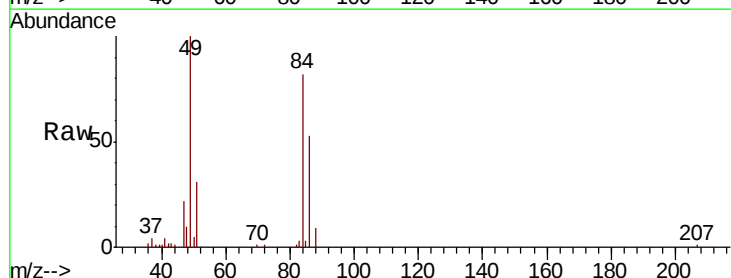
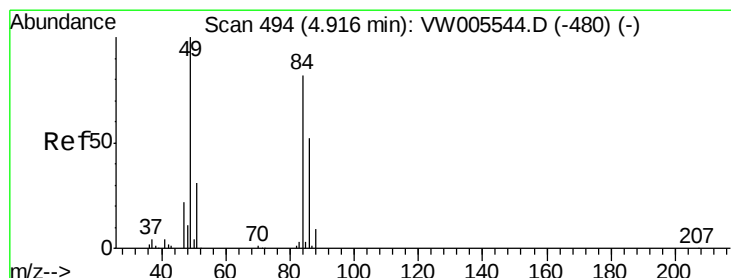
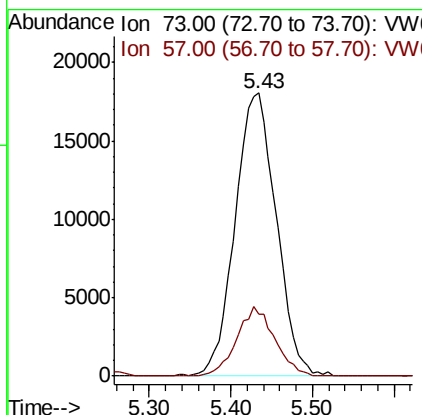
4.60 4.70 4.80





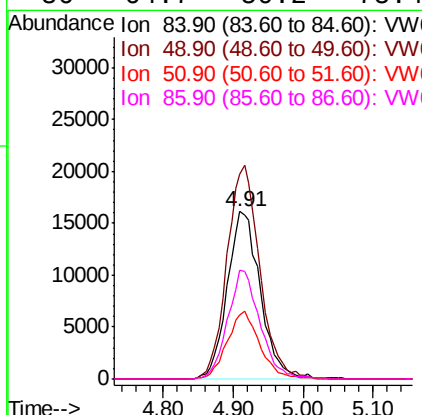
#19
Methyl tert-butyl Ether
Concen: 18.832 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

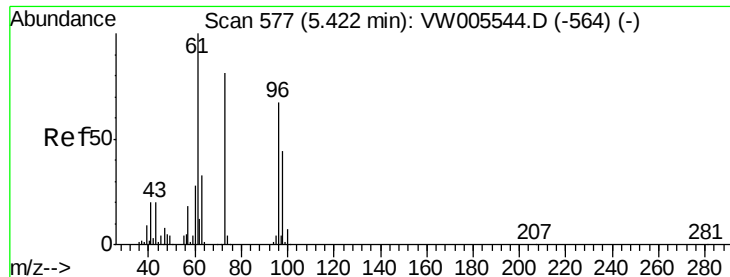
Tot Ion: 73 Resp: 63137
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 19.968 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 84 Resp: 53067
Ion Ratio Lower Upper
84 100
49 121.9 97.0 145.6
51 37.9 30.2 45.2
86 64.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.400 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :
MSVOA_W
ClientSampleId :

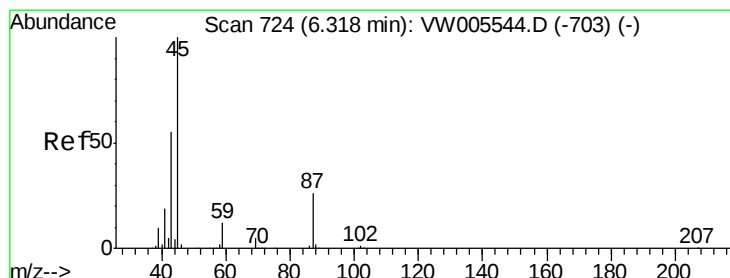
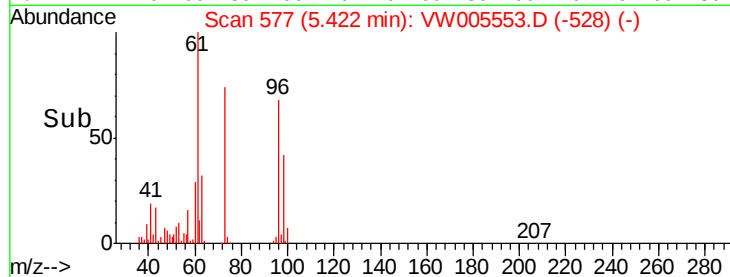
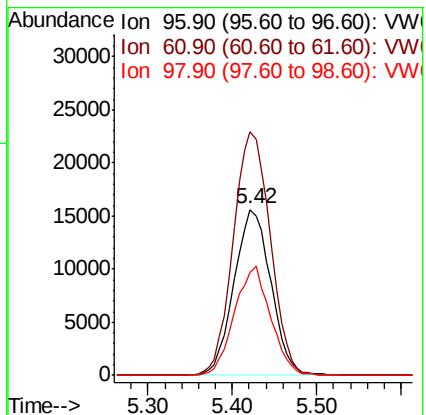
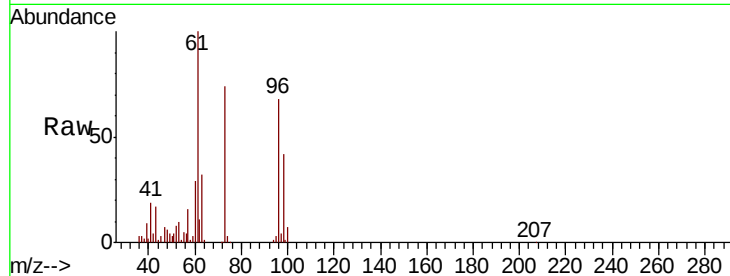
Tot Ion: 96 Resp: 46153

Ion Ratio Lower Upper

96 100

61 147.1 118.9 178.3

98 62.3 52.1 78.1



#22

Diisopropyl ether

Concen: 19.325 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Tgt Ion: 45 Resp: 142204

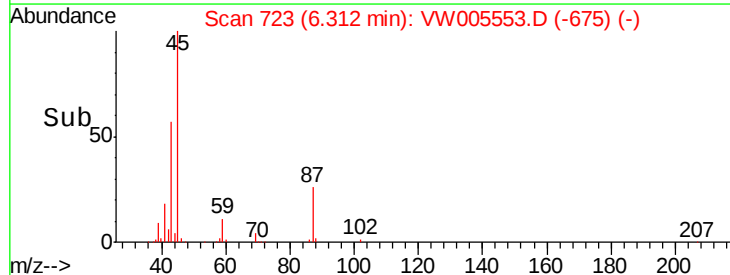
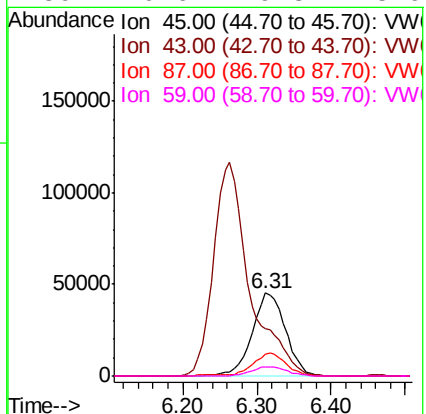
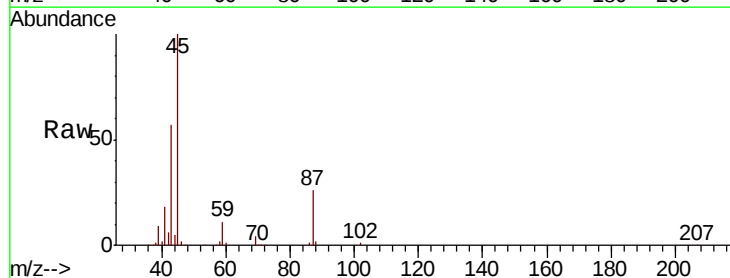
Ion Ratio Lower Upper

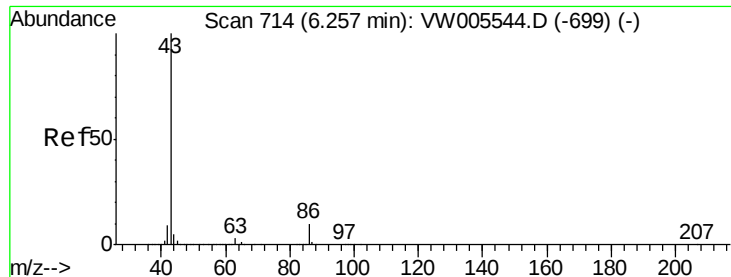
45 100

43 56.4 44.2 66.4

87 26.1 21.4 32.2

59 10.6 9.3 13.9





#23

Vinyl Acetate

Concen: 93.338 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

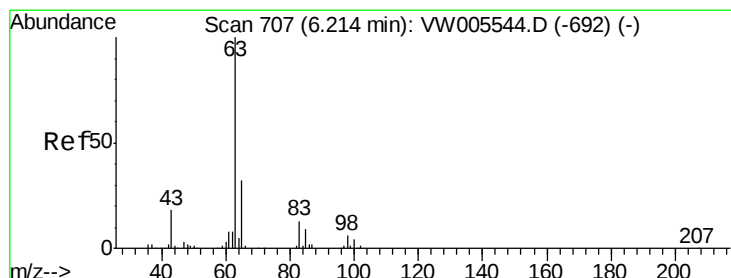
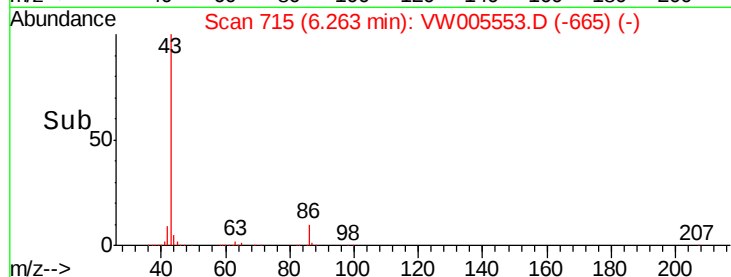
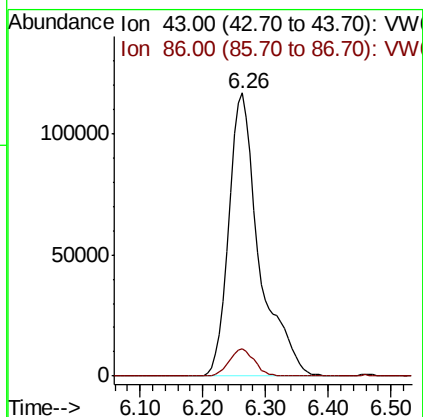
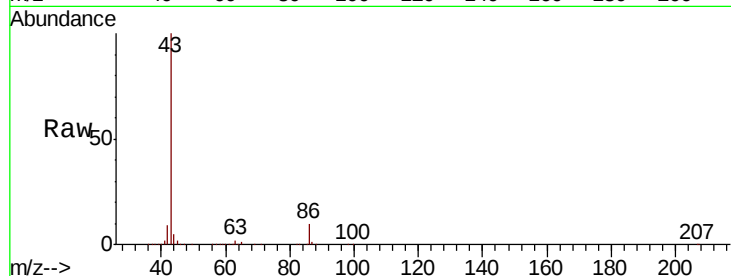
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 392574

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.170 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

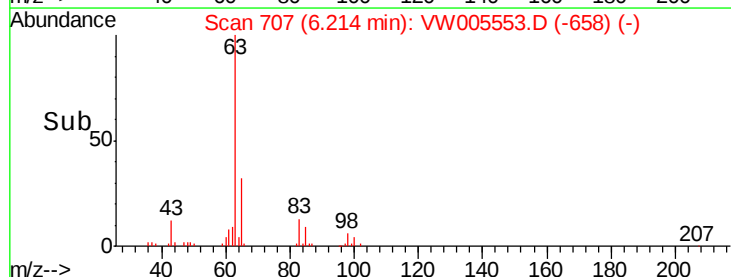
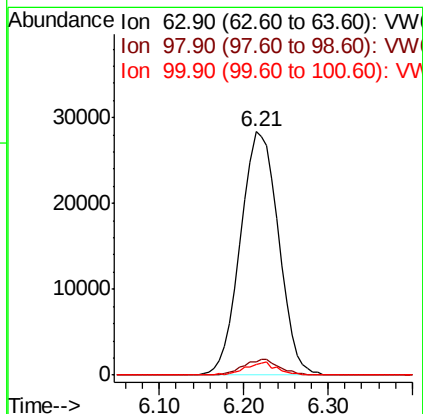
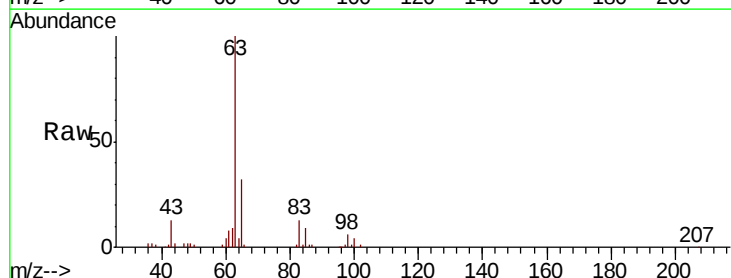
Tgt Ion: 63 Resp: 87155

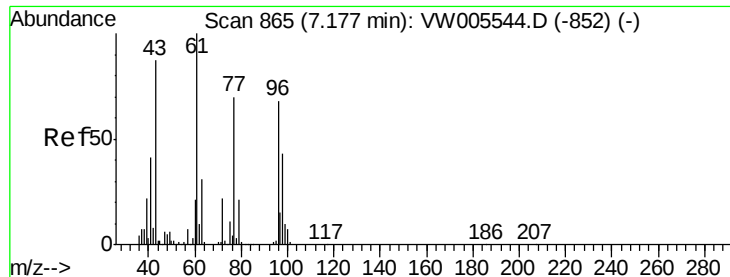
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.8

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 87.386 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

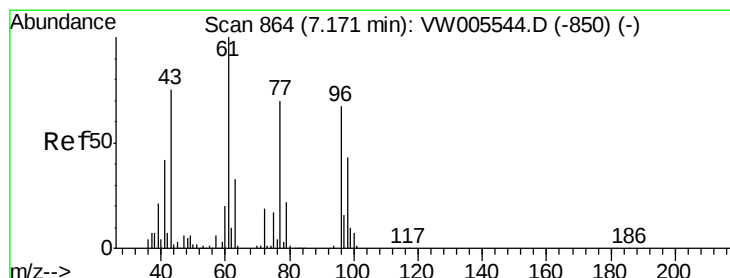
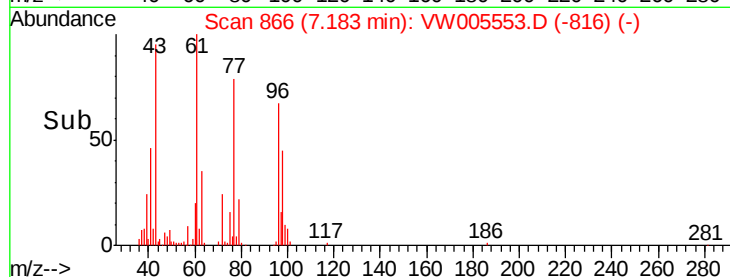
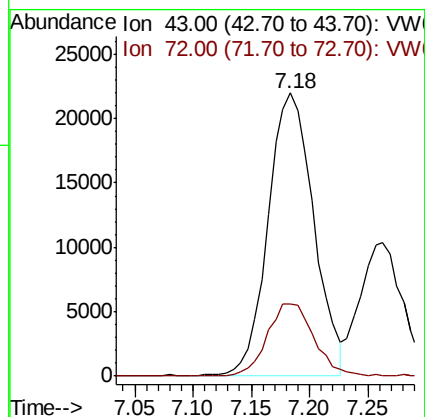
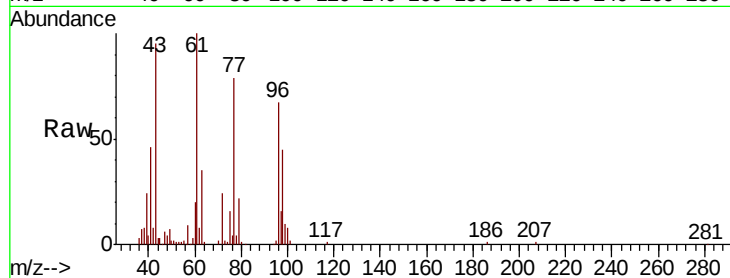
ClientSampled :

Tot Ion: 43 Resp: 59631

Ion Ratio Lower Upper

43 100

72 25.4 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.010 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005553.D

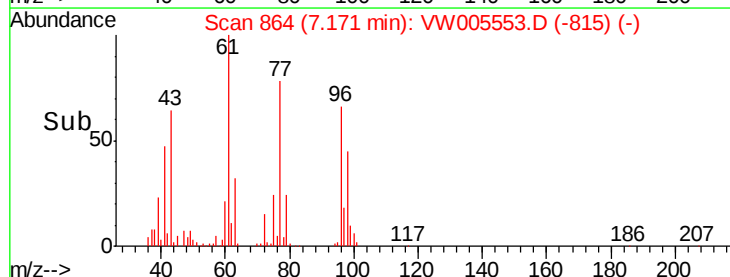
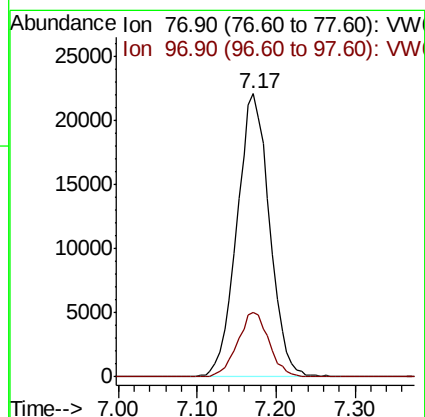
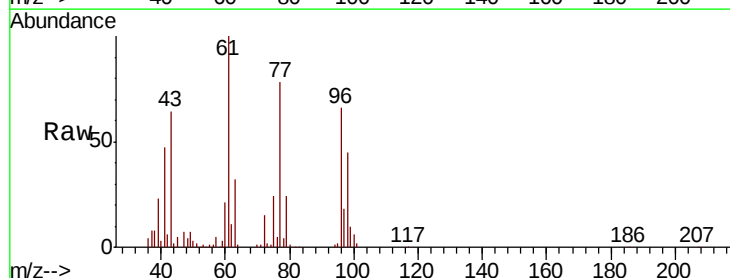
Acq: 21 Sep 2018 12:14

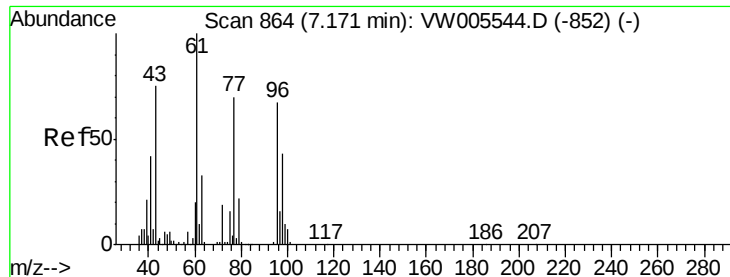
Tgt Ion: 77 Resp: 63511

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



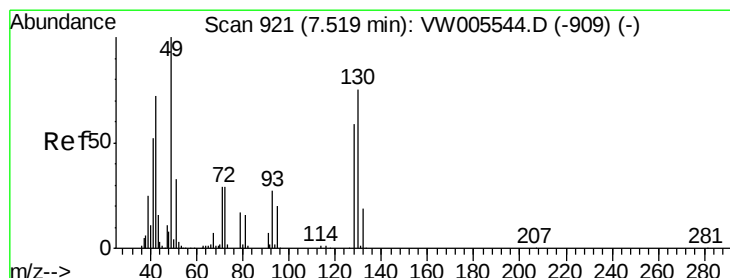
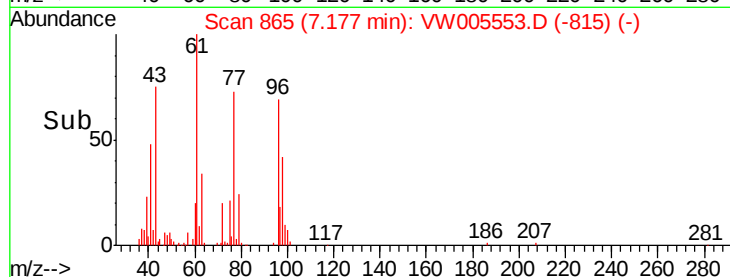
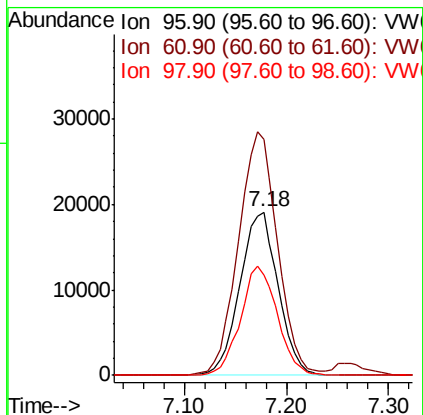
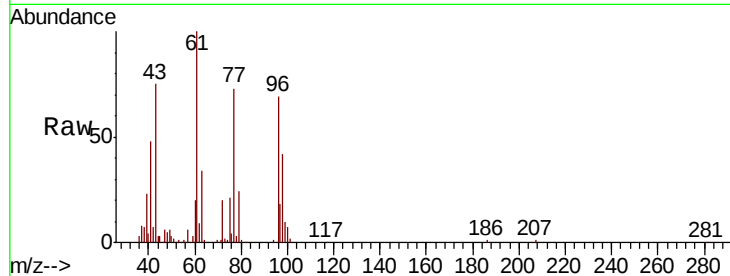


#27

cis-1,2-Dichloroethene
 Concen: 18.929 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Instrument :
 MSVOA_W
 ClientSampleId :

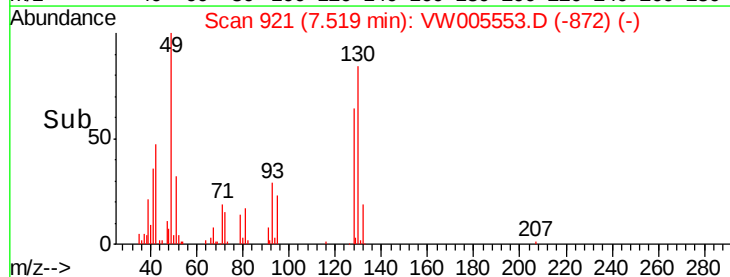
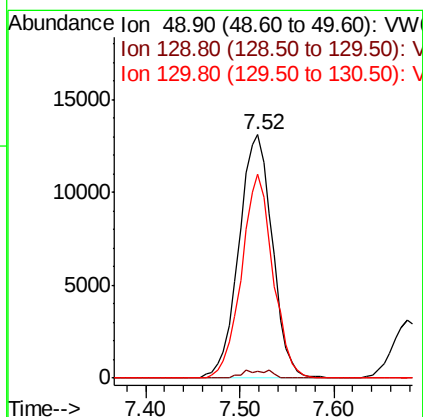
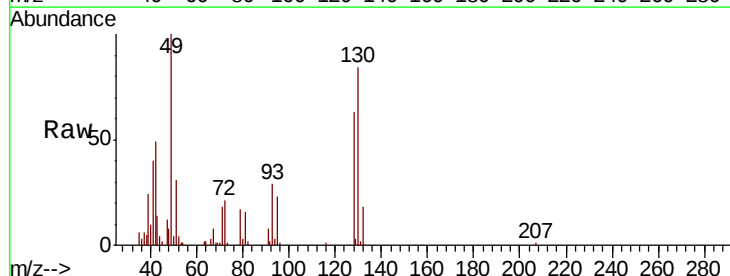
Tot Ion	96	Resp	49670
Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	303.4
98	64.6	0.0	127.2

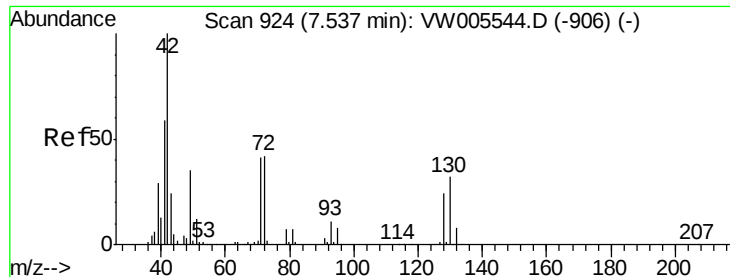


#28

Bromochloromethane
 Concen: 18.104 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion	49	Resp	32603
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	1.4#
130	78.5	61.3	91.9

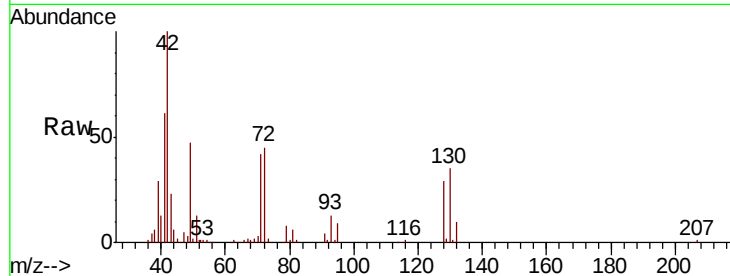




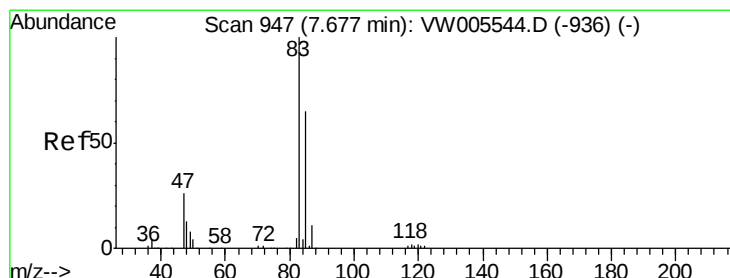
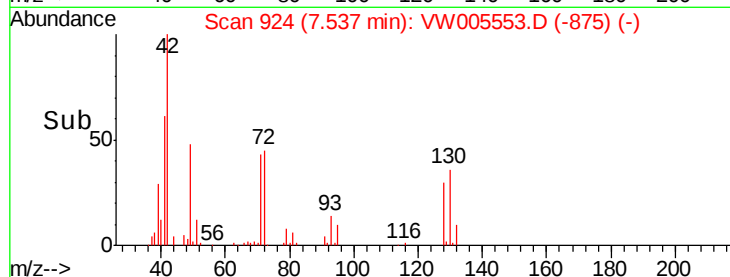
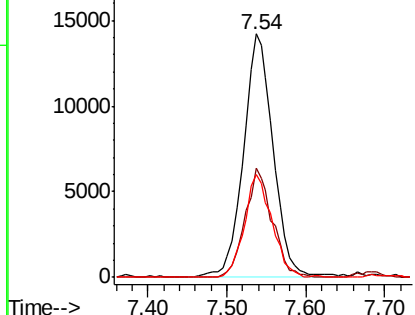
#29
Tetrahydrofuran
Concen: 87.169 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 37161
Ion Ratio Lower Upper
42 100
72 41.1 33.6 50.4
71 39.0 31.8 47.6

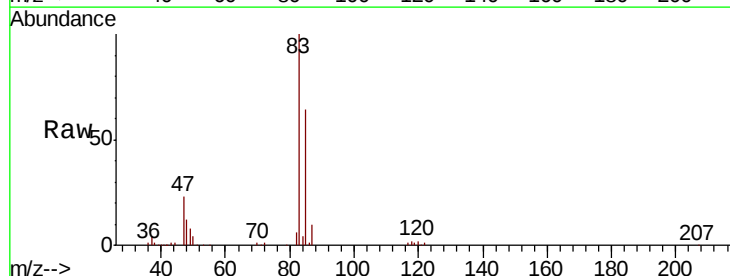


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

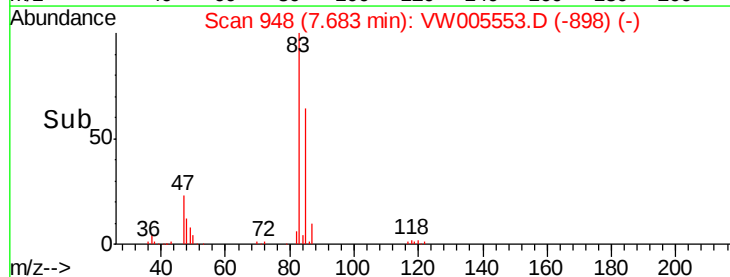
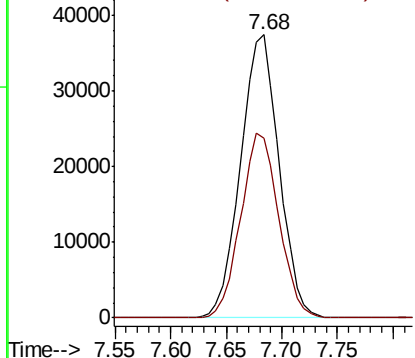


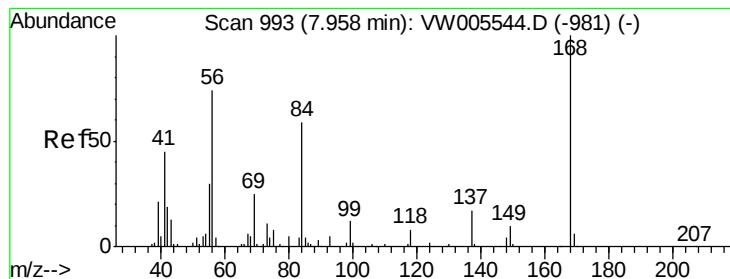
#30
Chloroform
Concen: 19.180 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 83 Resp: 90024
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



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





#31

Cyclohexane

Concen: 19.475 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampled :

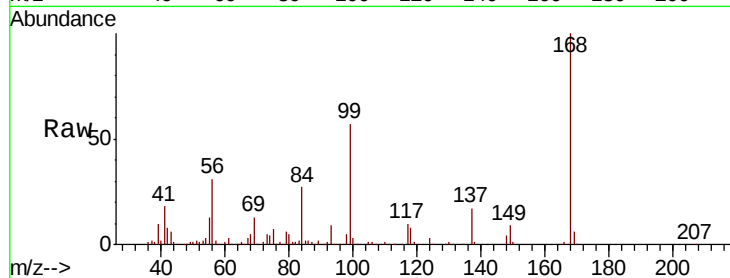
Tot Ion: 56 Resp: 84828

Ion Ratio Lower Upper

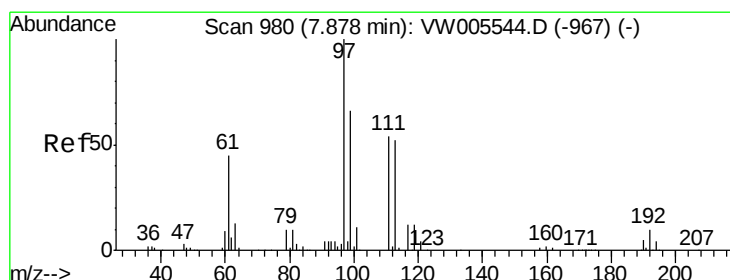
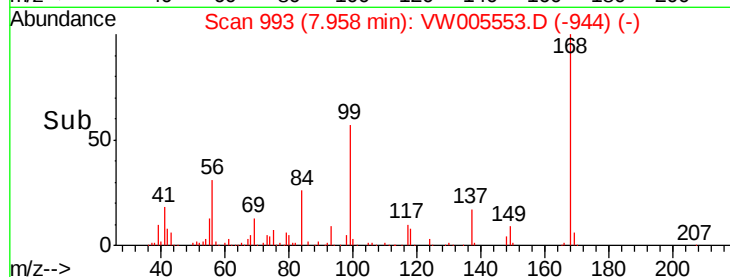
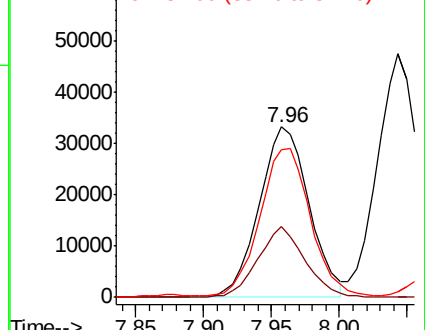
56 100

69 41.1 27.0 40.4#

84 85.5 64.2 96.4



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



#32

1,1,1-Trichloroethane

Concen: 19.605 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

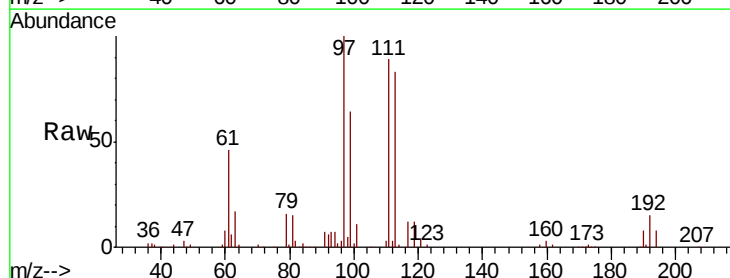
Tgt Ion: 97 Resp: 81291

Ion Ratio Lower Upper

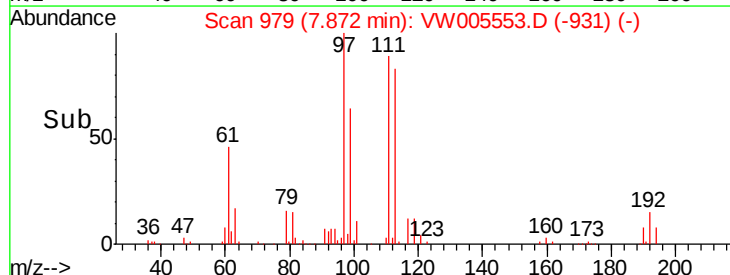
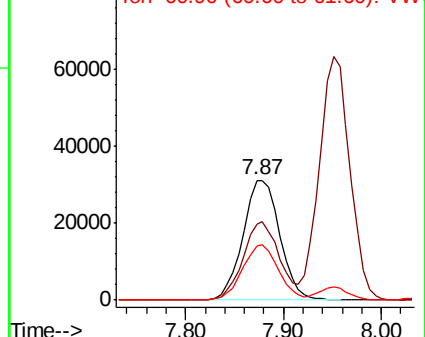
97 100

99 64.8 51.0 76.6

61 45.0 36.2 54.2



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

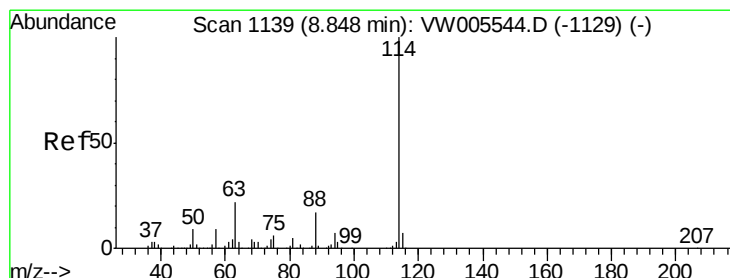
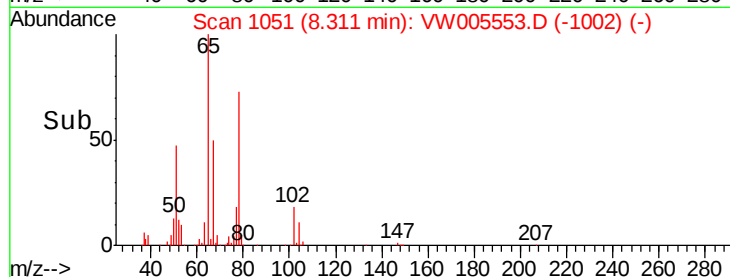
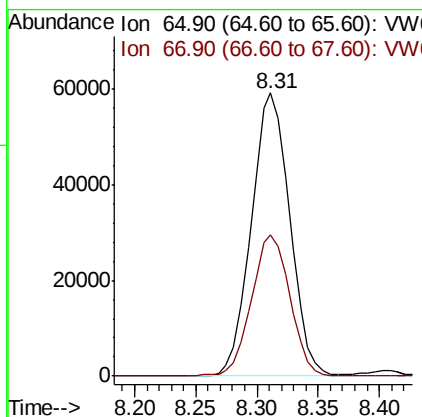
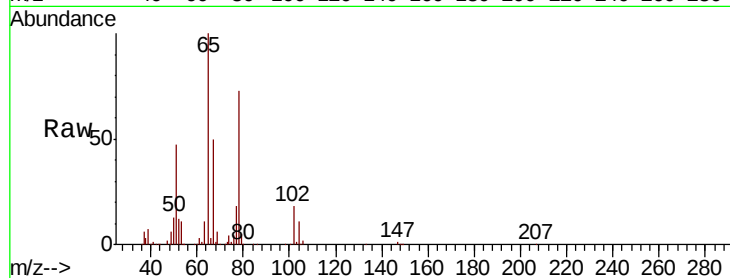




#33
 1,2-Dichloroethane-d4
 Concen: 46.057 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

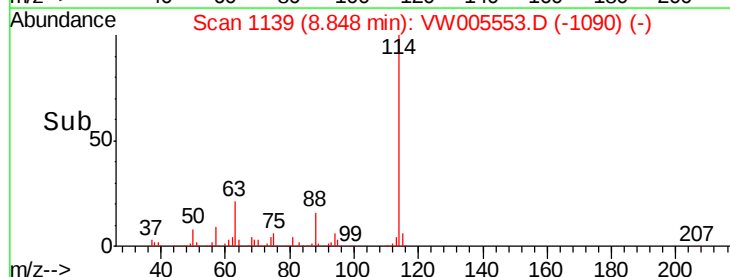
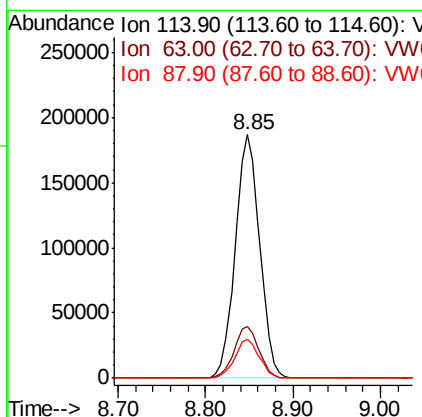
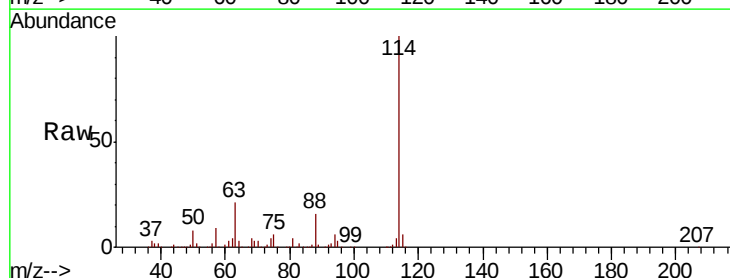
Instrument :
 MSVOA_W
 ClientSampleId :

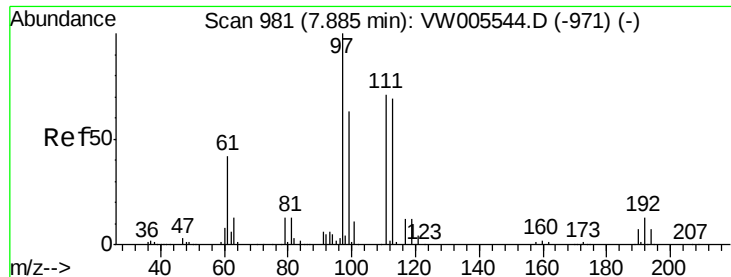
Tot Ion: 65 Resp: 129401
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion: 114 Resp: 362117
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 15.9 0.0 33.0

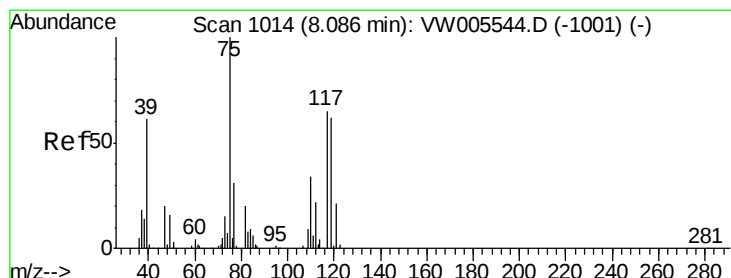
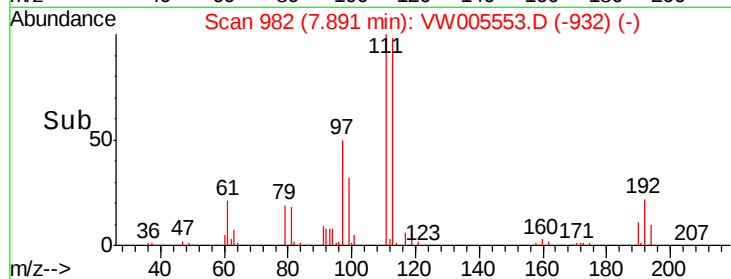
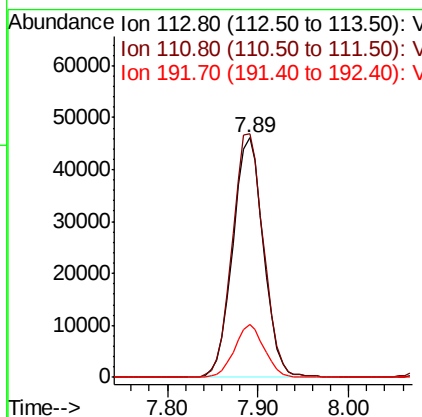
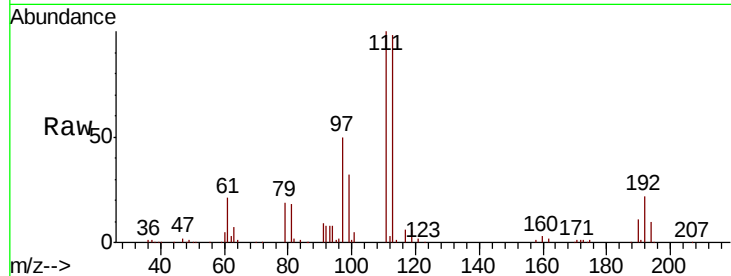




#35
 Dibromofluoromethane
 Concen: 47.624 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

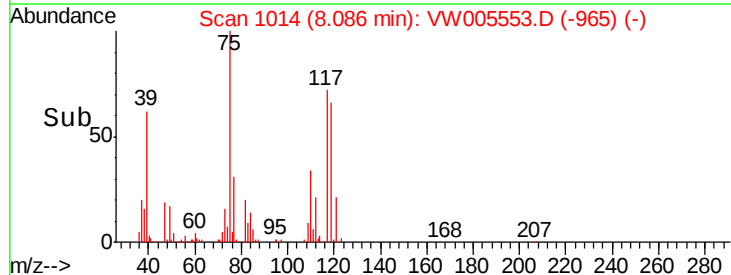
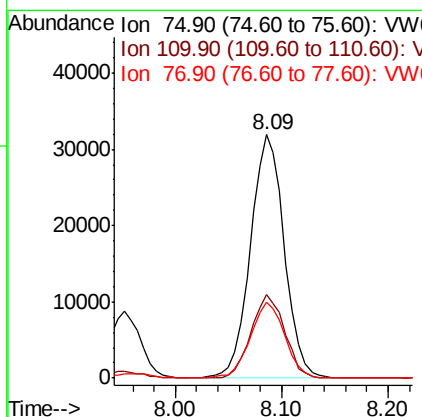
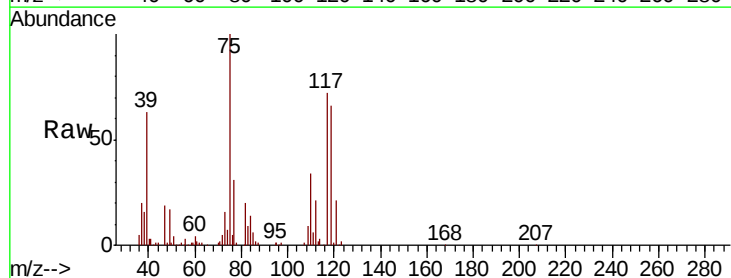
Instrument :
 MSVOA_W
 ClientSampleId :

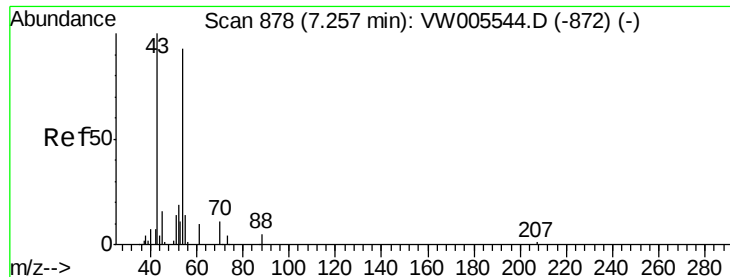
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	21.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 19.461 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	50.9
77	31.8	24.8	37.2

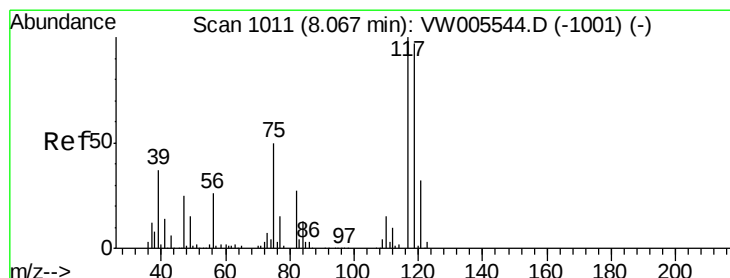
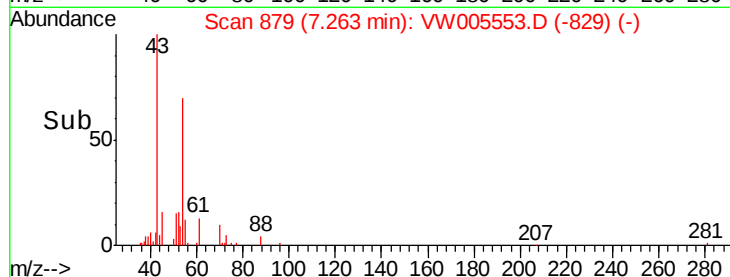
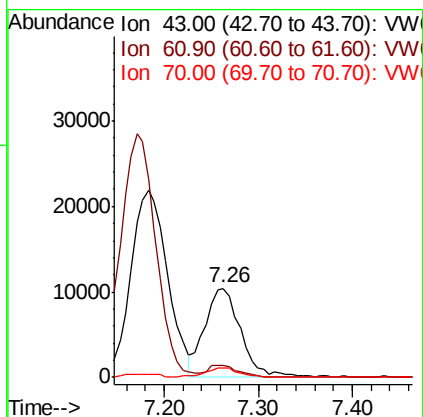
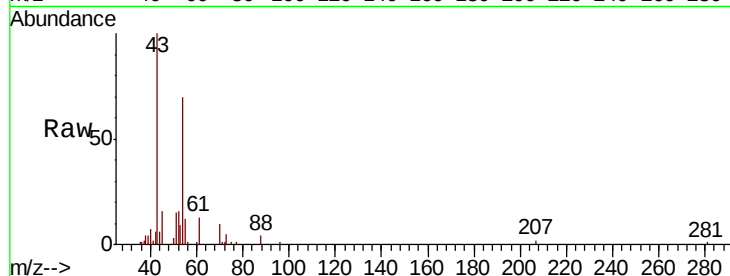




#37
Ethyl Acetate
Concen: 17.774 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

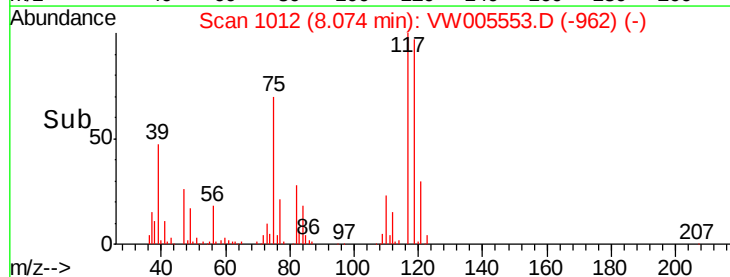
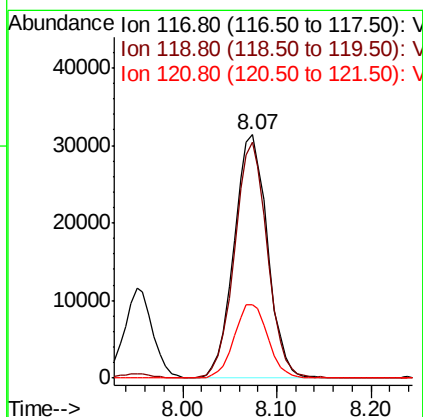
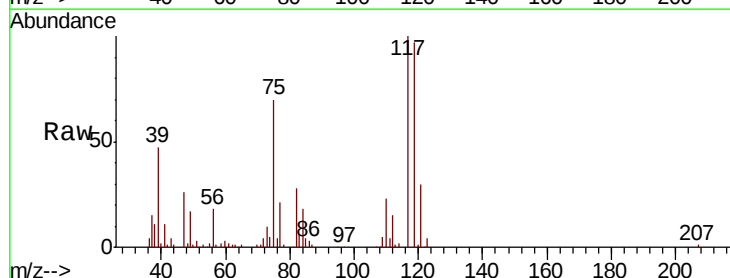
Instrument :
MSVOA_W
ClientSampleId :

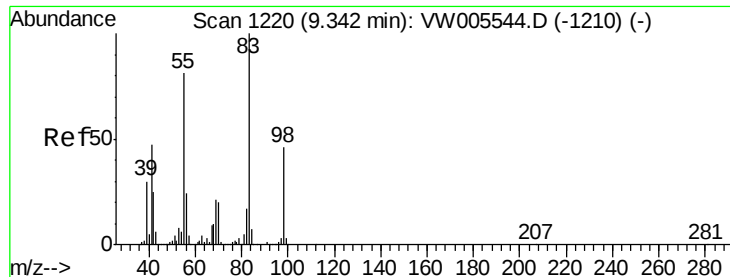
Tot Ion: 43 Resp: 27266
Ion Ratio Lower Upper
43 100
61 12.8 10.4 15.6
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.914 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 117 Resp: 77789
Ion Ratio Lower Upper
117 100
119 96.8 77.6 116.4
121 30.4 25.7 38.5

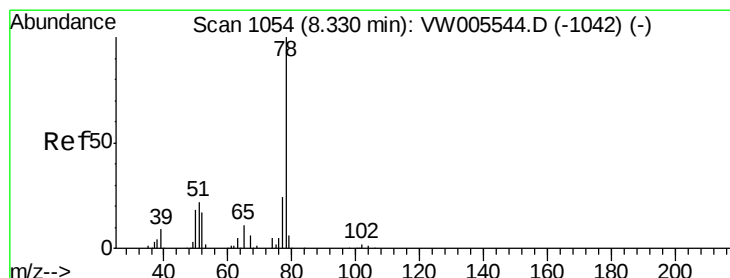
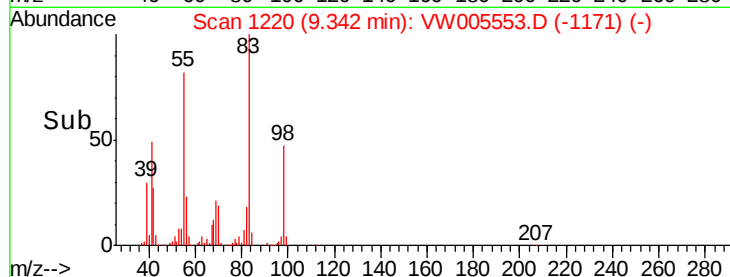
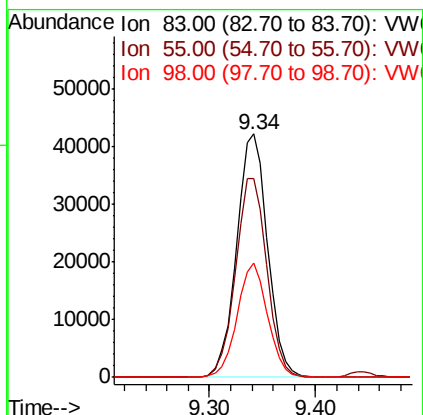
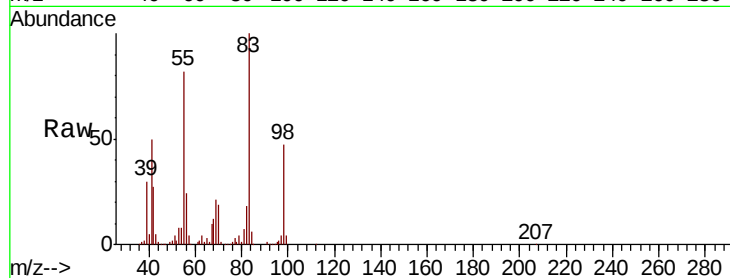




#39
Methvlcvclohexane
Concen: 20.067 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

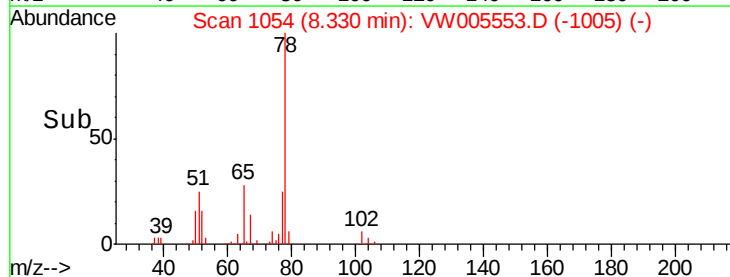
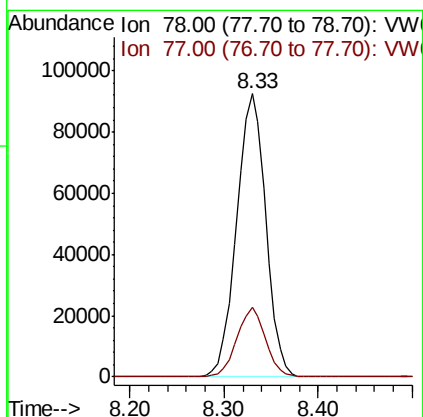
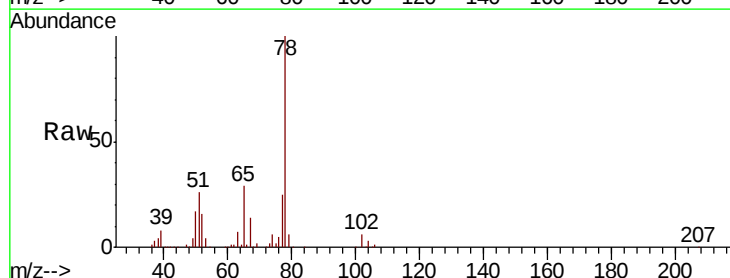
Instrument :
MSVOA_W
ClientSampled :

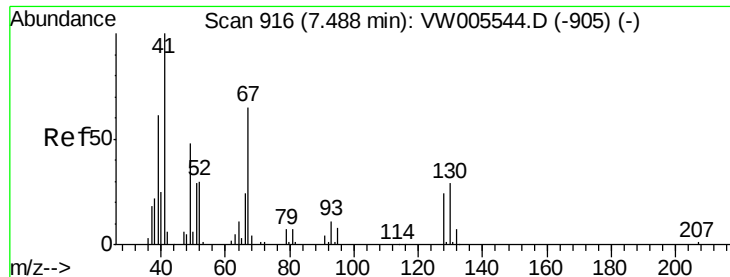
Tot Ion: 83 Resp: 86303
Ion Ratio Lower Upper
83 100
55 81.6 64.6 97.0
98 47.2 37.0 55.6



#40
Benzene
Concen: 19.318 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 78 Resp: 199521
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4

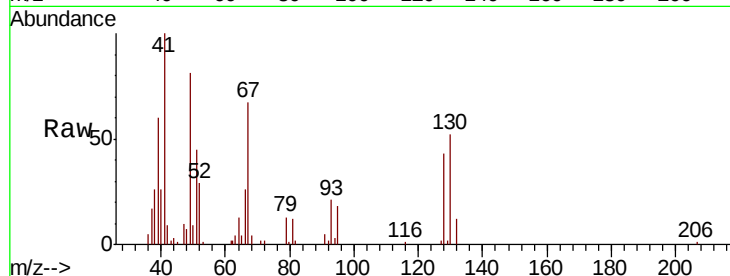




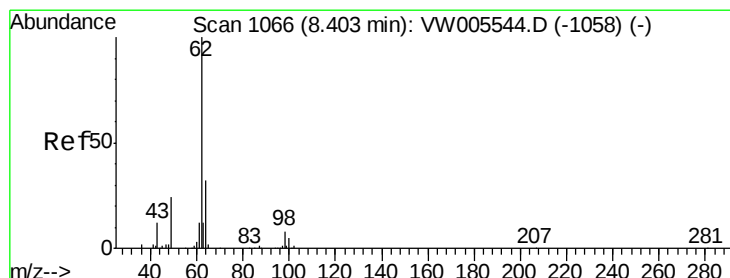
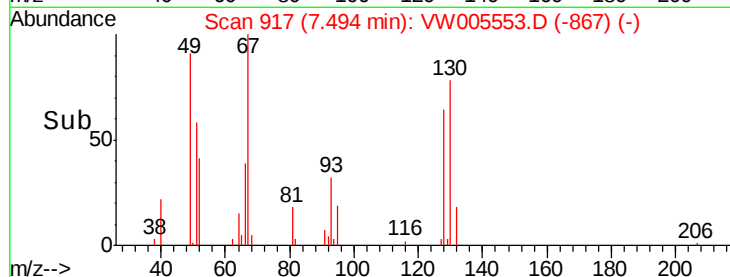
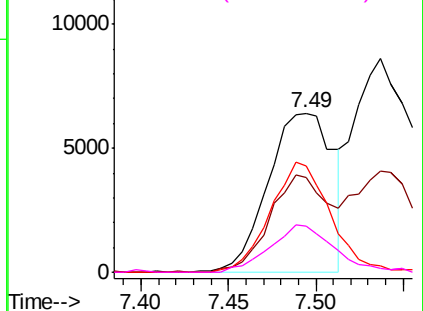
#41
Methacrylonitrile
Concen: 19.092 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	16666
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.4	68.2
67	64.0	55.2	82.8
52	29.4	25.3	37.9

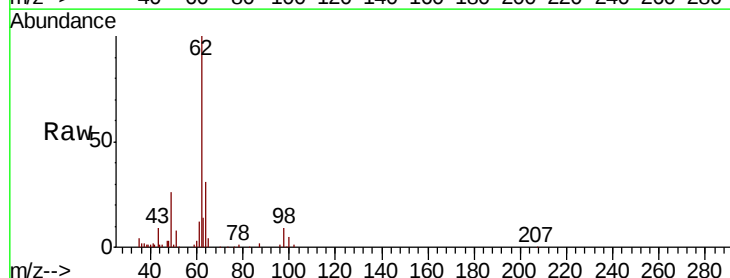


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

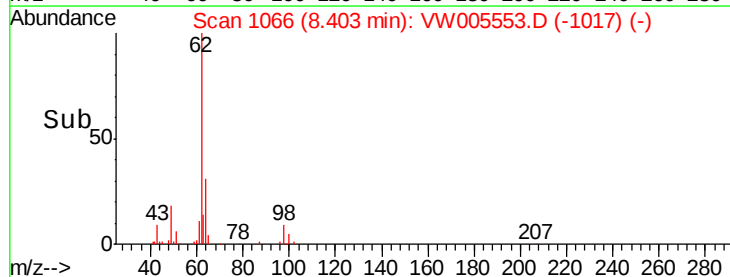
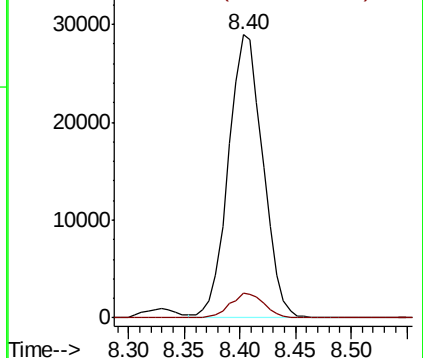


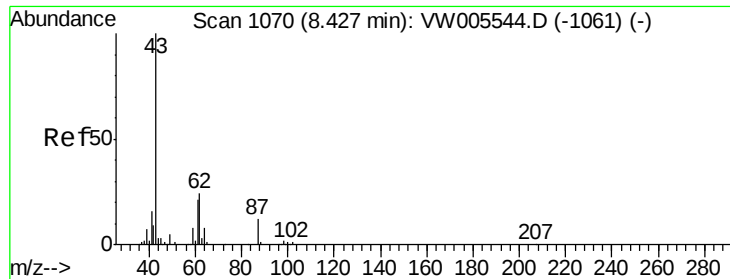
#42
1,2-Dichloroethane
Concen: 18.822 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:	62	Resp:	62239
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 17.116 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

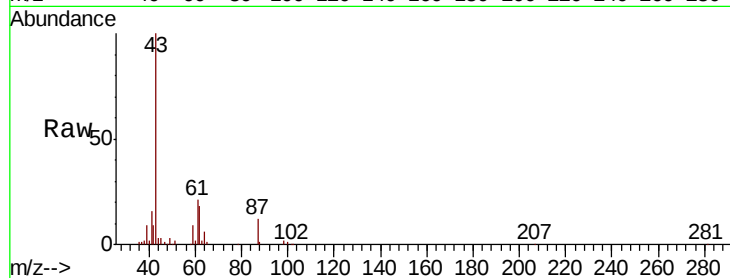
Tot Ion: 43 Resp: 51623

Ion Ratio Lower Upper

43 100

61 31.5 24.1 36.1

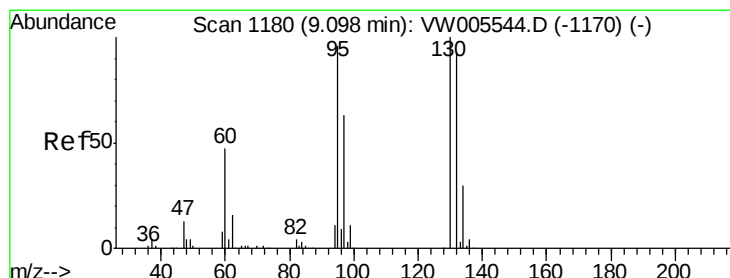
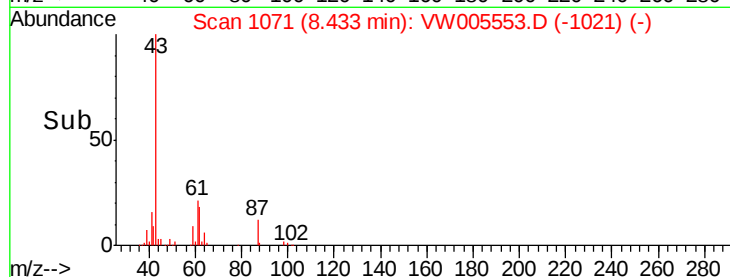
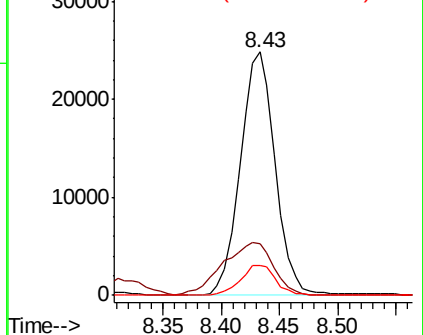
87 12.6 9.8 14.8



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: 19.542 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005553.D

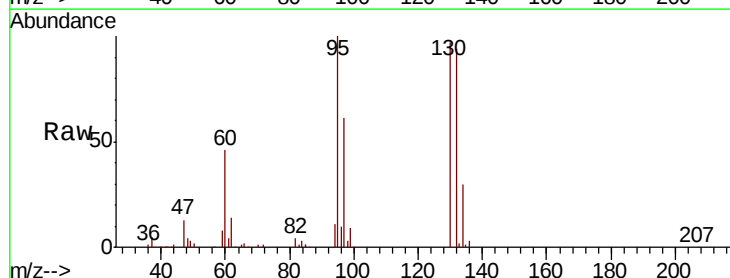
Acq: 21 Sep 2018 12:14

Tgt Ion:130 Resp: 51664

Ion Ratio Lower Upper

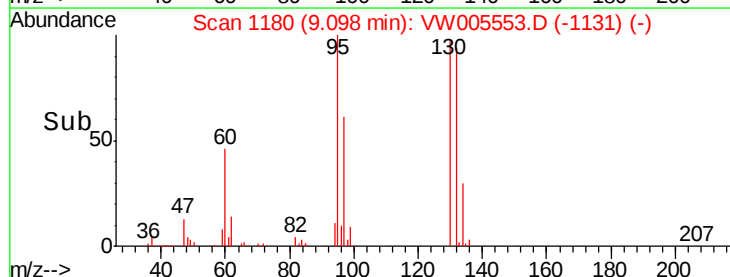
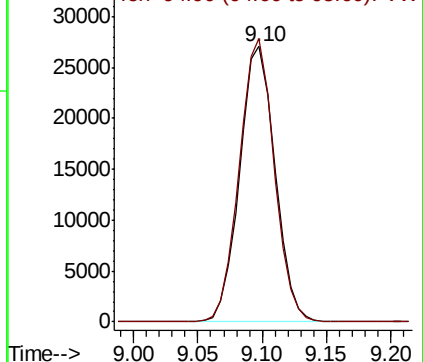
130 100

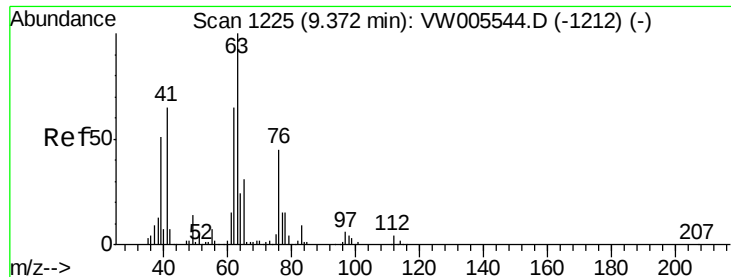
95 102.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

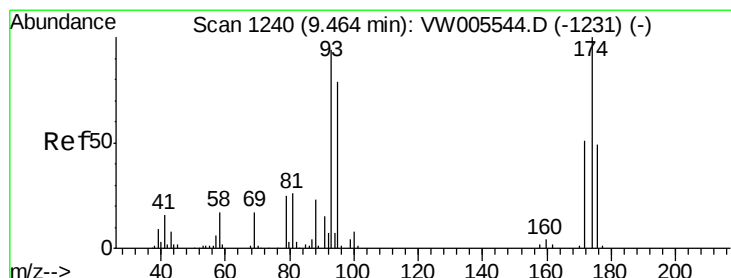
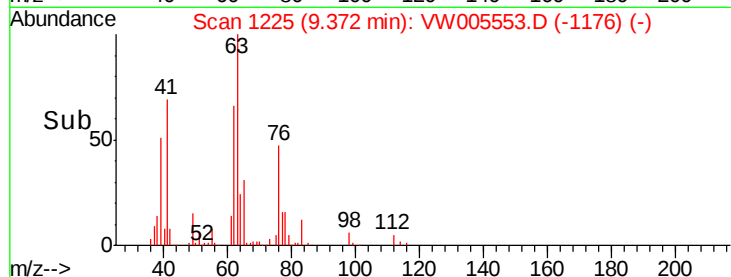
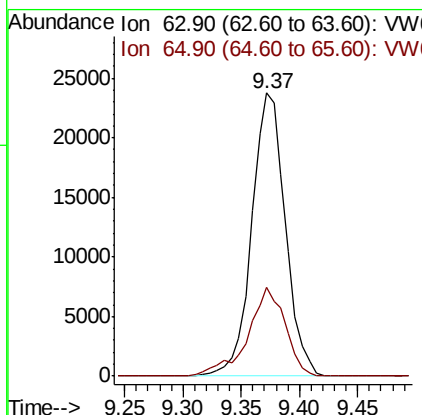
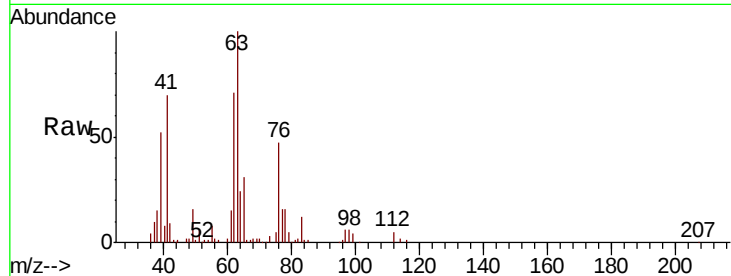




#45
 1,2-Dichloropropane
 Concen: 18.779 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

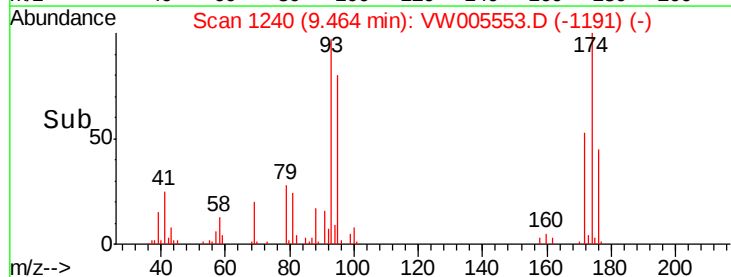
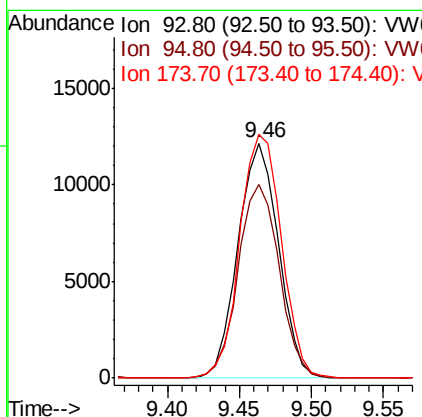
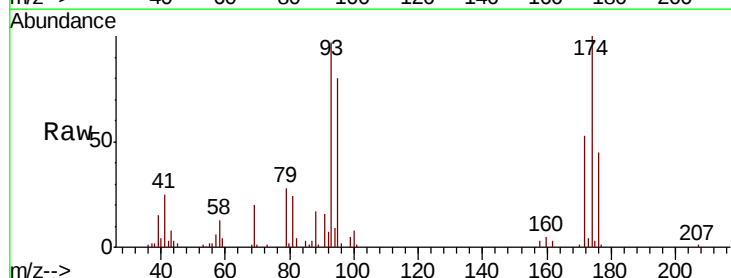
Instrument :
 MSVOA_W
 ClientSampled :

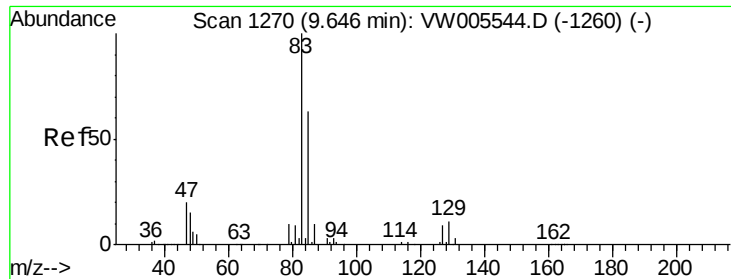
Tot Ion: 63 Resp: 47717
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 18.662 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion: 93 Resp: 23694
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.8
 174 106.9 84.0 126.0

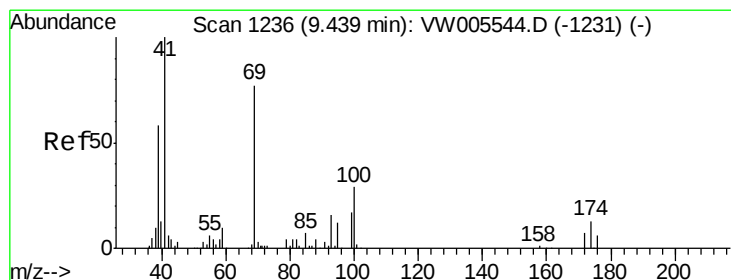
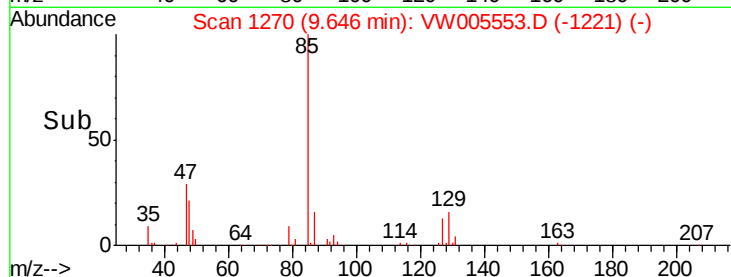
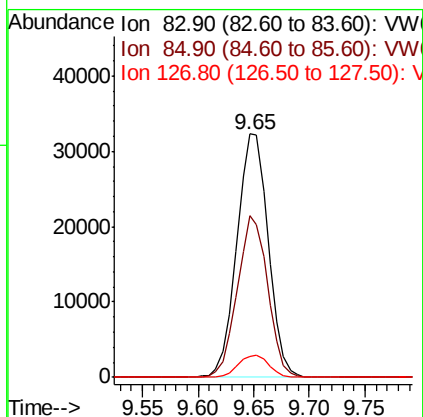
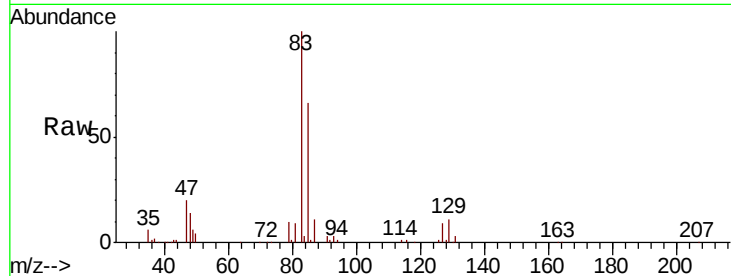




#47
 Bromodichloromethane
 Concen: 18.498 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

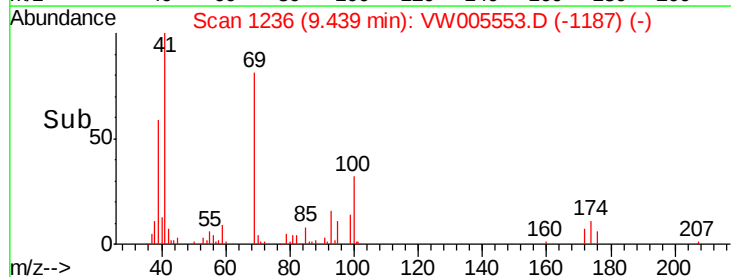
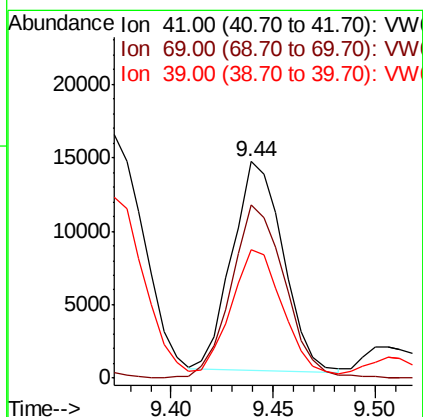
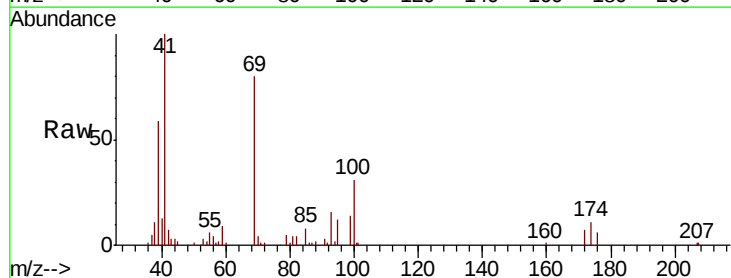
Instrument :
 MSVOA_W
 ClientSampleId :

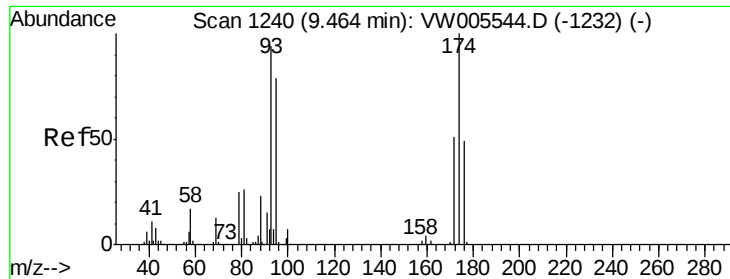
Tot Ion	83	Resp	63087
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.5	75.7
127	8.6	7.0	10.6



#48
 Methyl methacrylate
 Concen: 17.259 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion	41	Resp	24724
Ion Ratio	Lower	Upper	
41	100		
69	87.0	64.7	97.1
39	59.4	50.5	75.7

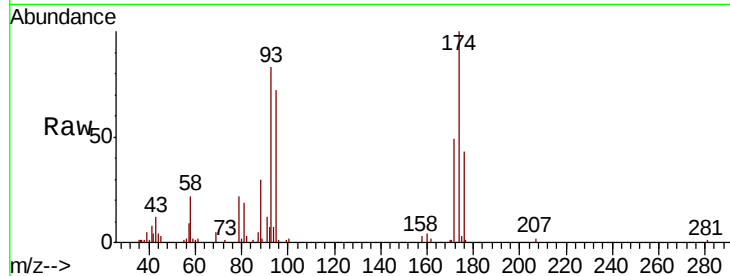




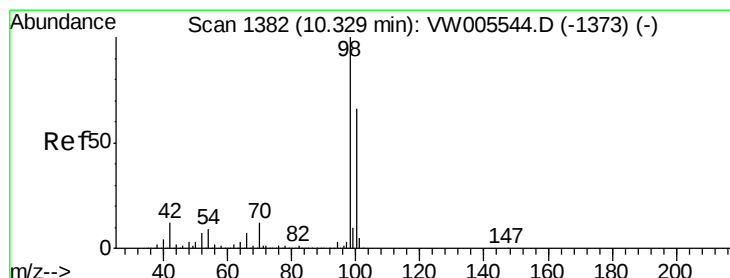
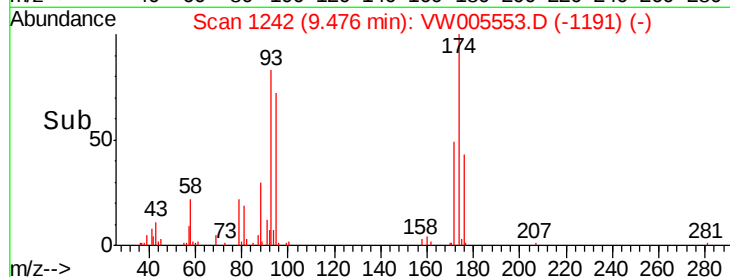
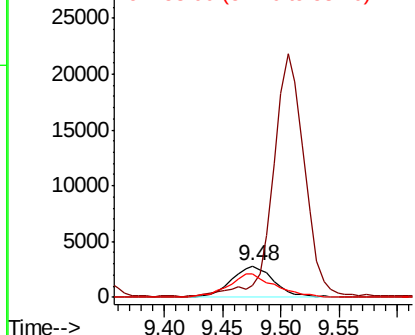
#49
1,4-Dioxane
Concen: 350.753 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 7080
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 81.4 61.2 91.8

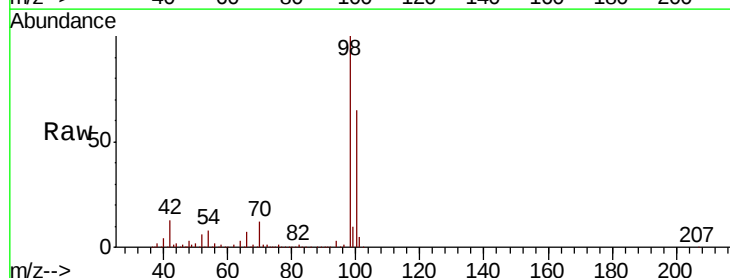


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

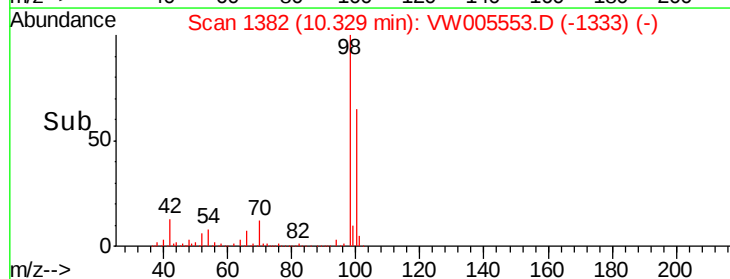
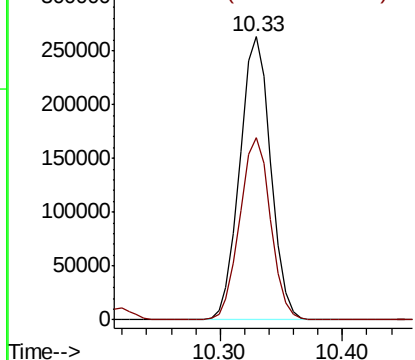


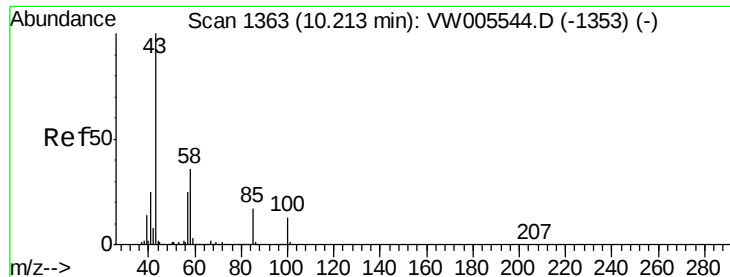
#50
Toluene-d8
Concen: 49.644 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 98 Resp: 460313
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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: 87.847 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

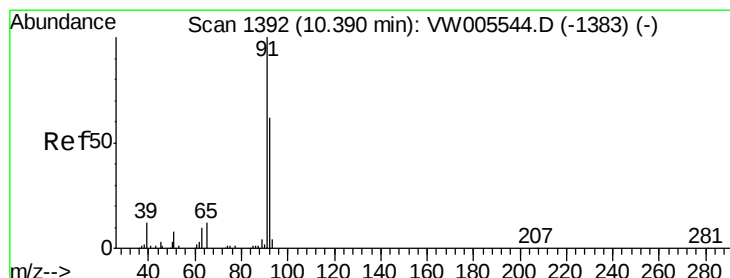
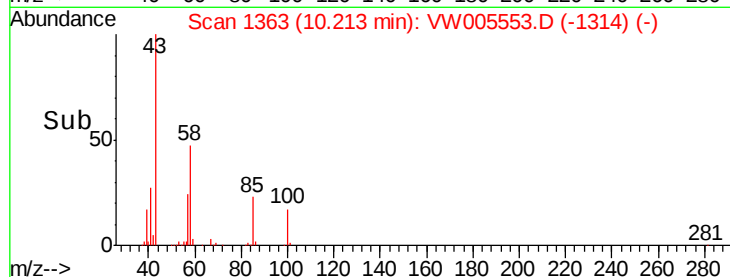
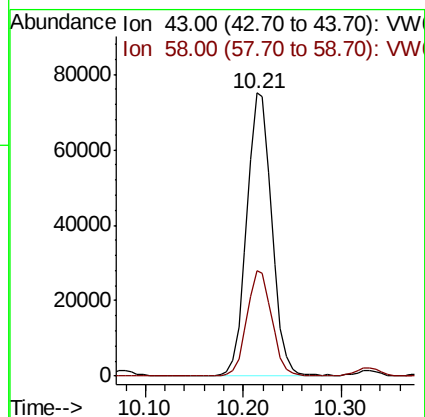
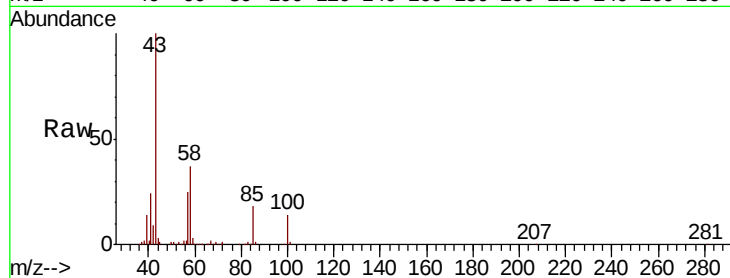
ClientSampleId :

Tot Ion: 43 Resp: 133446

Ion Ratio Lower Upper

43 100

58 37.0 30.0 45.0



#52

Toluene

Concen: 19.719 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005553.D

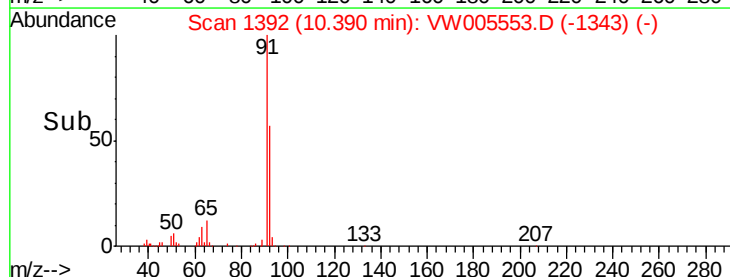
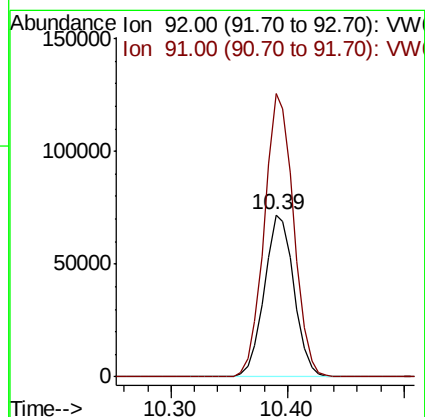
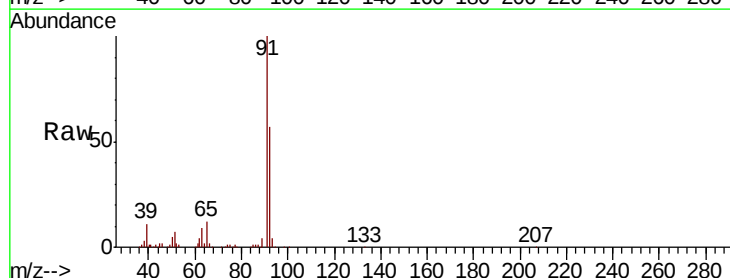
Acq: 21 Sep 2018 12:14

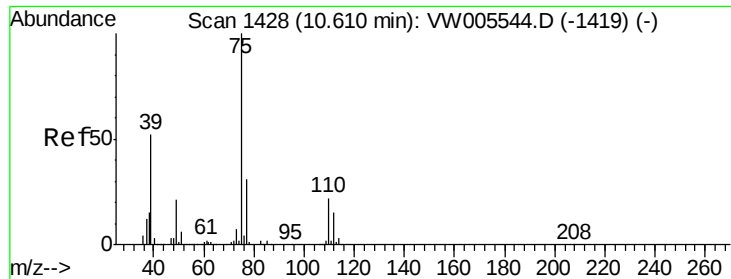
Tgt Ion: 92 Resp: 127079

Ion Ratio Lower Upper

92 100

91 172.9 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 18.631 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

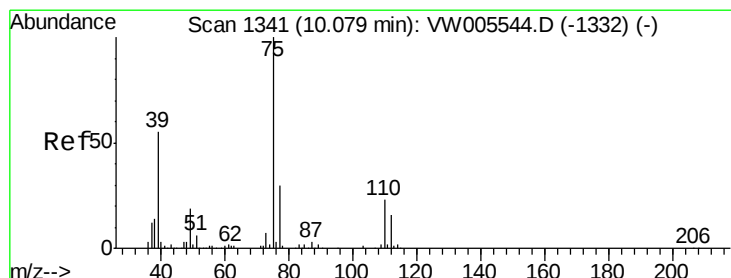
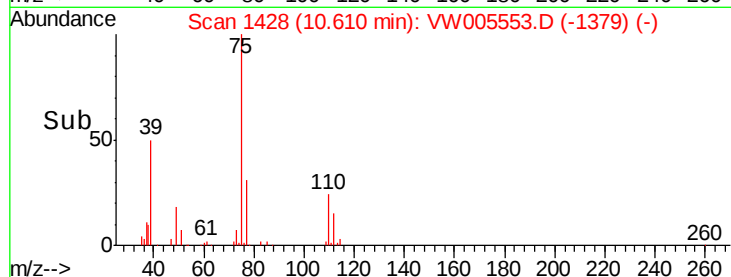
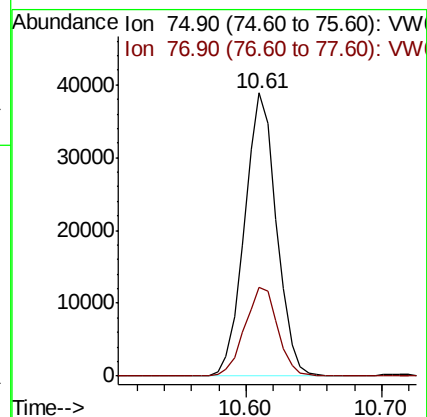
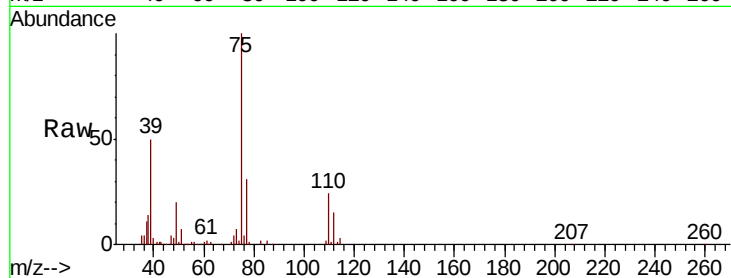
ClientSampleId :

Tot Ion: 75 Resp: 63700

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 18.939 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

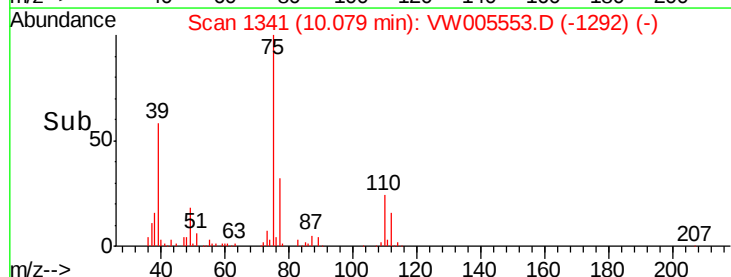
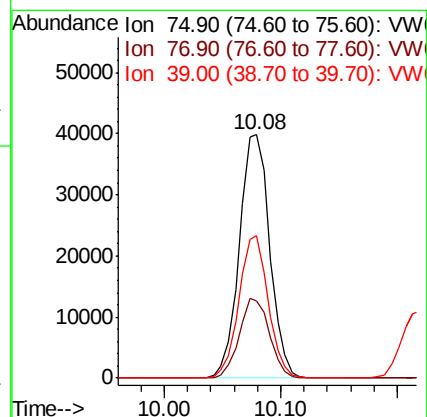
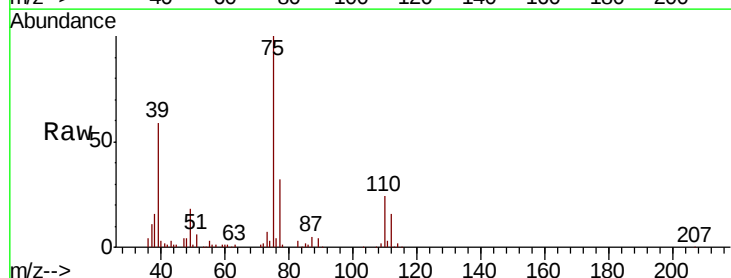
Tgt Ion: 75 Resp: 72551

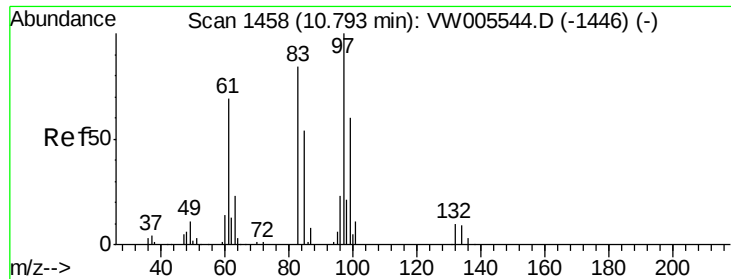
Ion Ratio Lower Upper

75 100

77 31.6 24.3 36.5

39 58.7 43.7 65.5

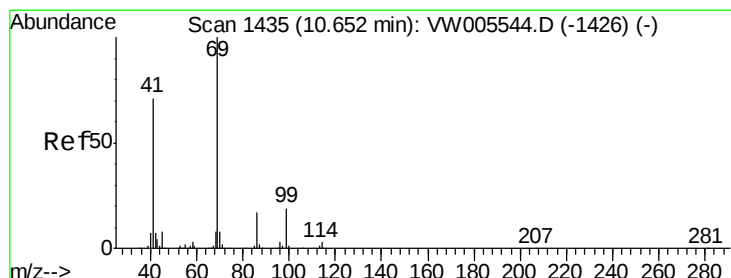
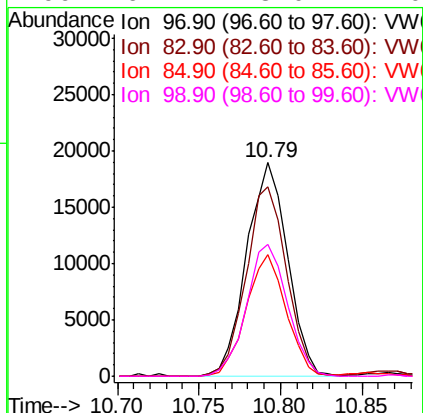
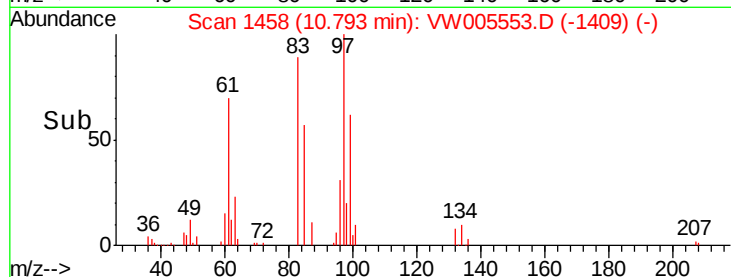
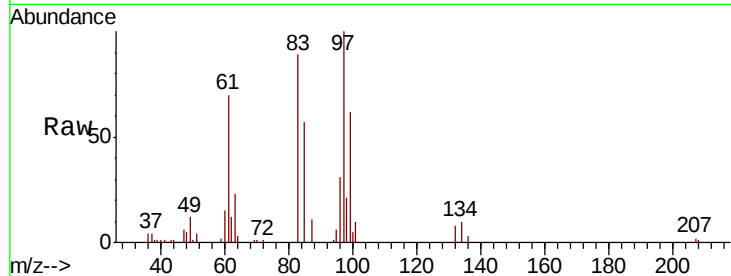




#55
 1,1,2-Trichloroethane
 Concen: 18.333 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

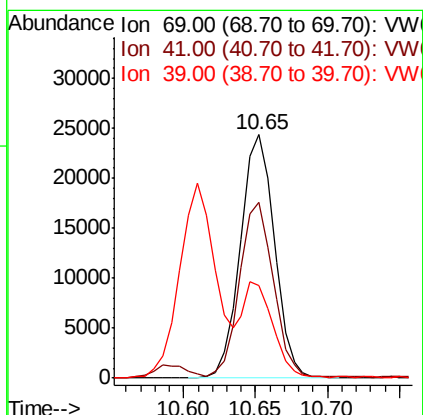
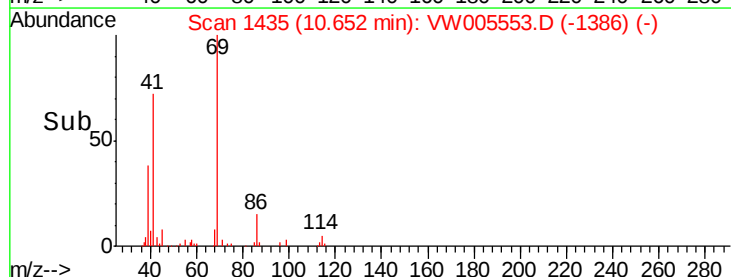
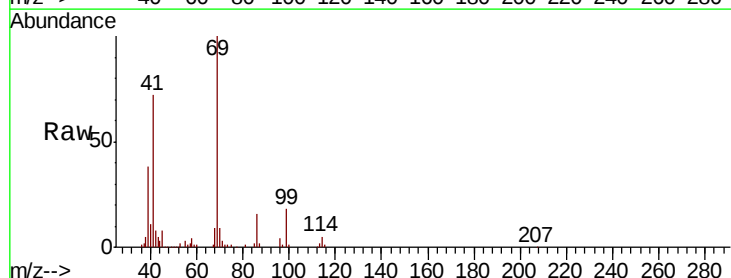
Instrument :
 MSVOA_W
 ClientSampled :

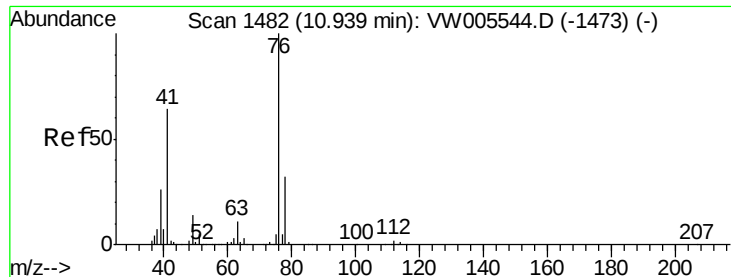
Tot Ion:	97	Resp:	33039
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.4	101.2
85	57.2	43.3	64.9
99	61.7	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 17.983 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion:	69	Resp:	40007
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.3	85.9
39	35.6	29.2	43.8

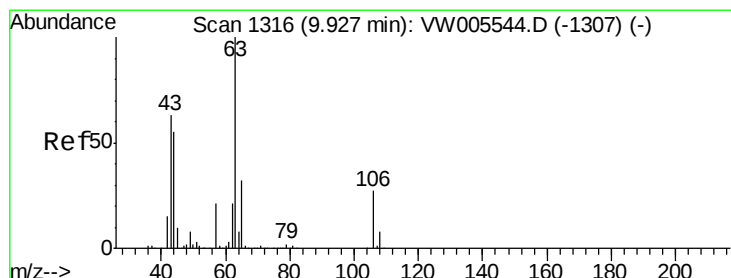
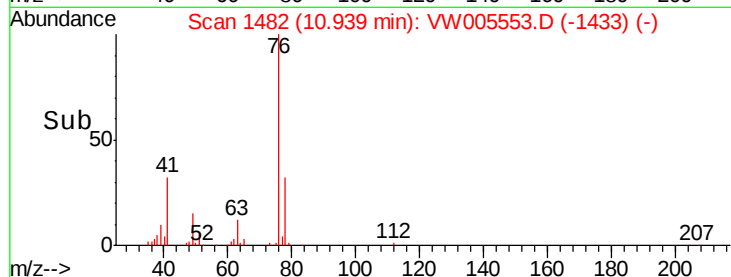
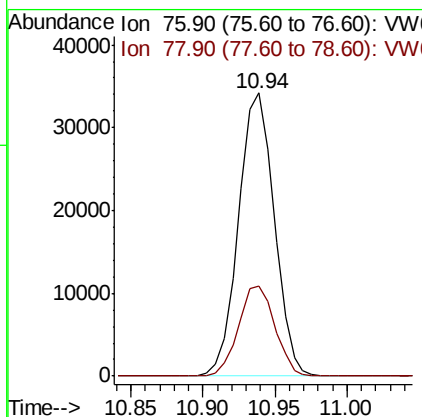
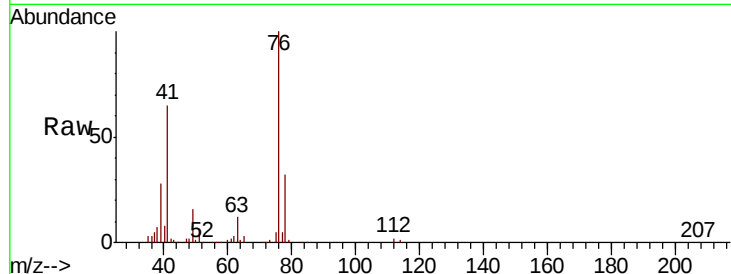




#57
 1,3-Dichloropropane
 Concen: 18.426 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

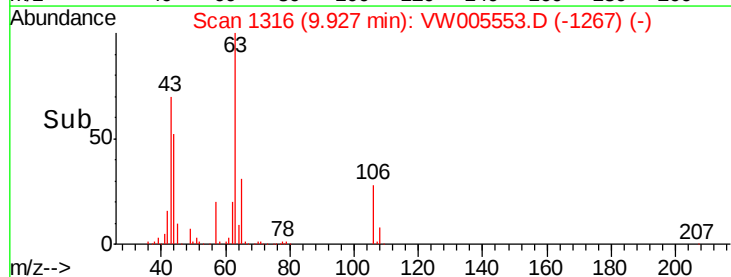
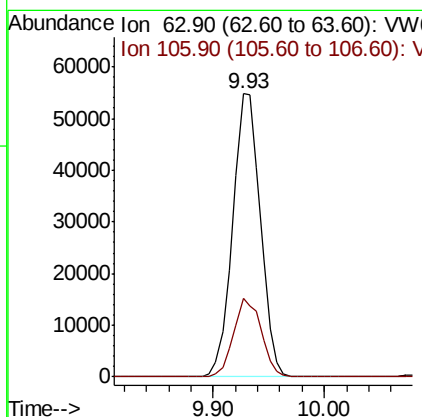
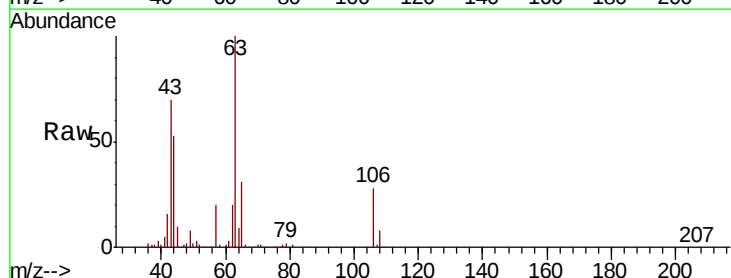
Instrument :
 MSVOA_W
 ClientSampleId :

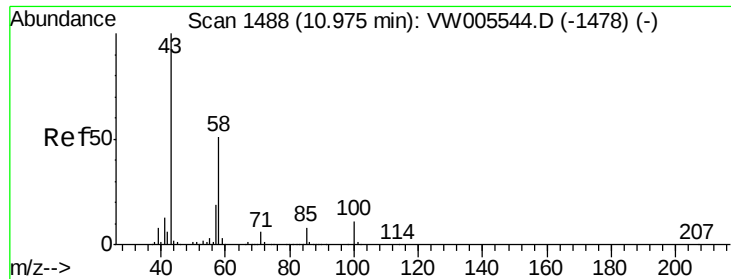
Tot Ion: 76 Resp: 58852
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.610 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion: 63 Resp: 94403
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.6 32.4

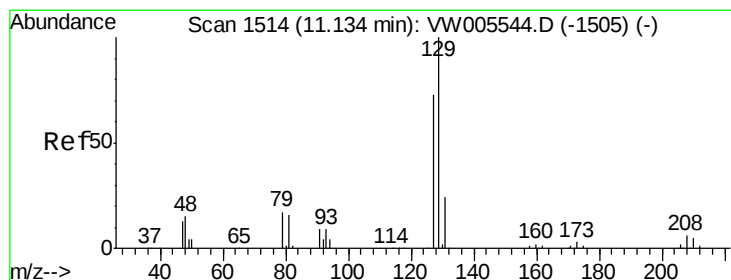
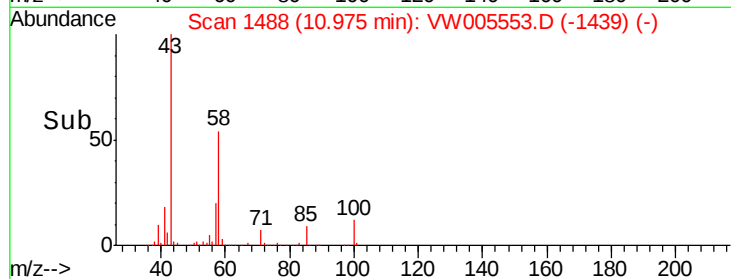
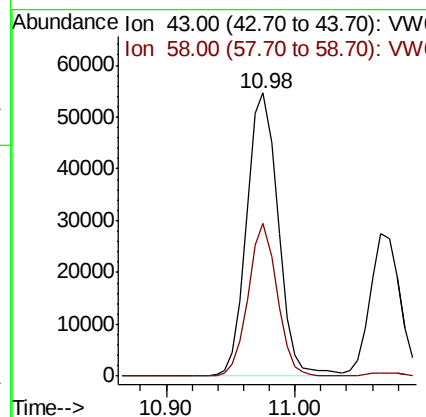
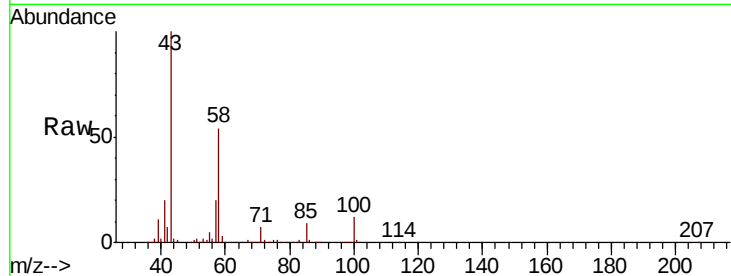




#59
2-Hexanone
Concen: 89.509 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

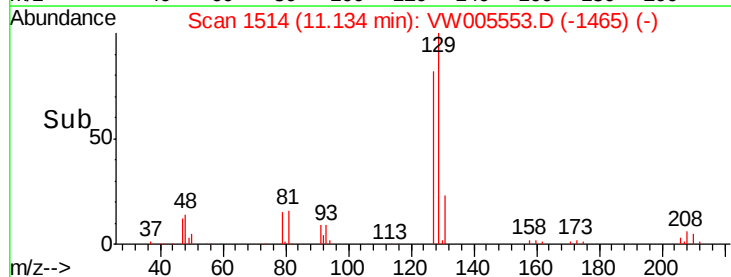
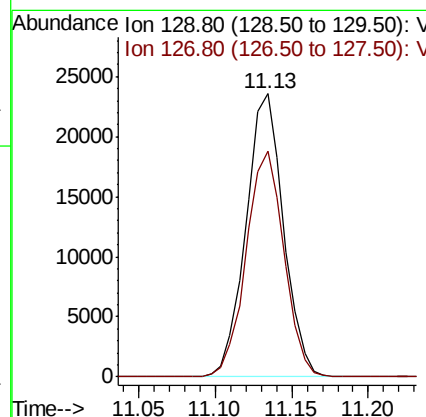
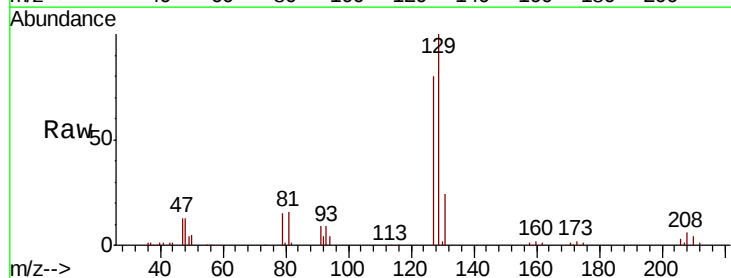
Instrument :
MSVOA_W
ClientSampled :

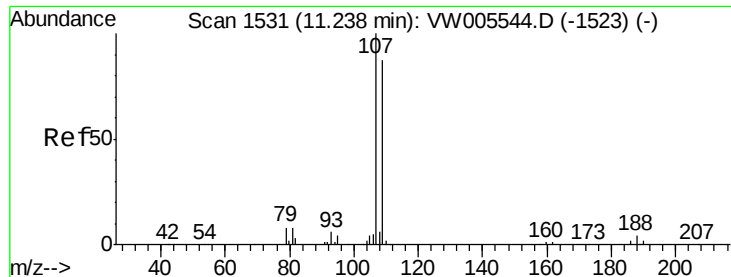
Tot Ion: 43 Resp: 92368
Ion Ratio Lower Upper
43 100
58 49.6 25.3 75.9



#60
Dibromochloromethane
Concen: 18.405 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 129 Resp: 40078
Ion Ratio Lower Upper
129 100
127 80.7 38.5 115.5

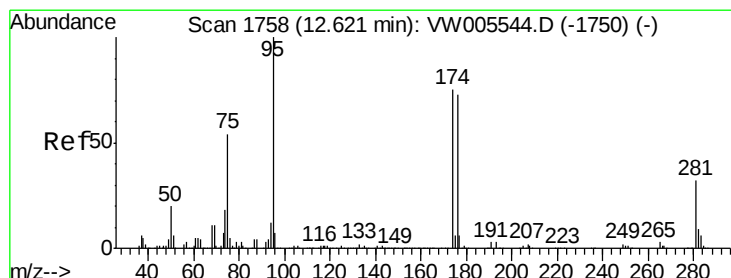
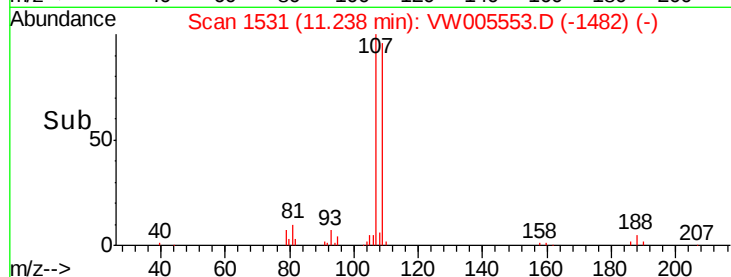
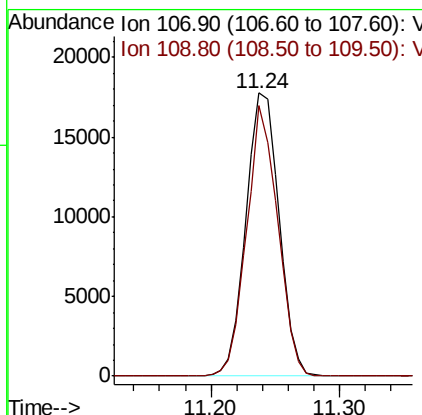
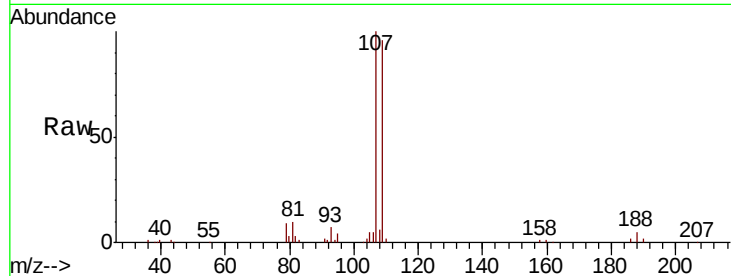




#61
 1,2-Dibromoethane
 Concen: 18.811 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

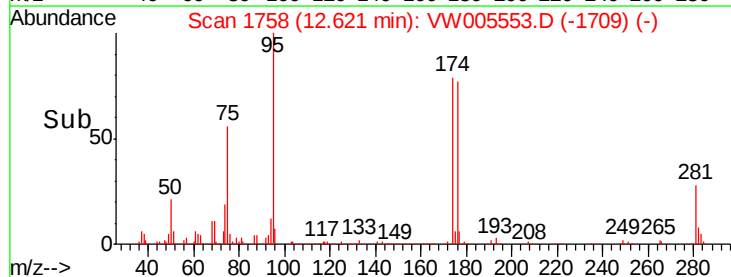
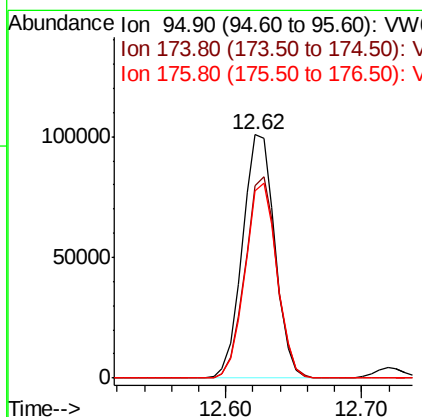
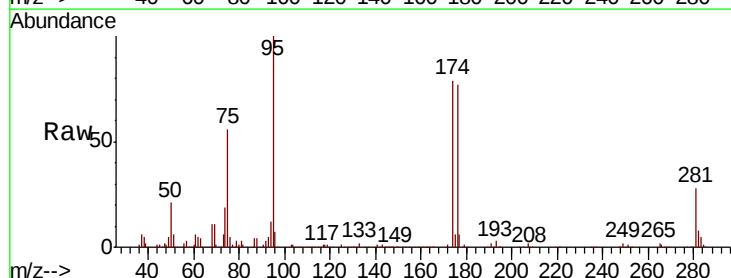
Instrument :
 MSVOA_W
 ClientSampleId :

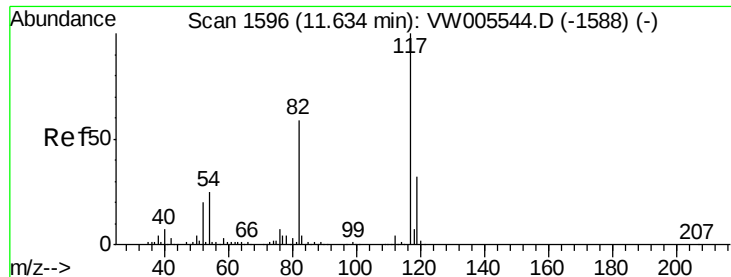
Tot Ion:107 Resp: 31608
 Ion Ratio Lower Upper
 107 100
 109 89.5 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 48.823 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion: 95 Resp: 167511
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 163.8
 176 79.1 0.0 158.0

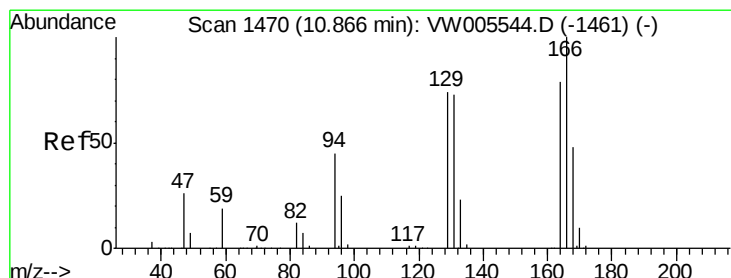
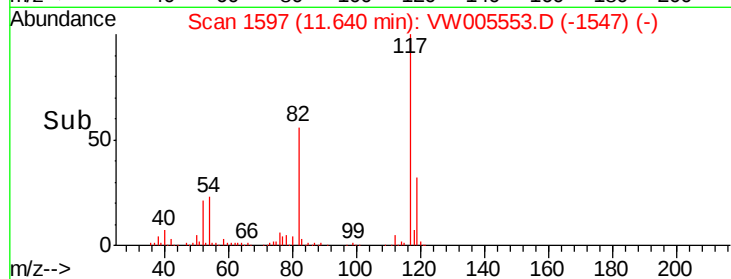
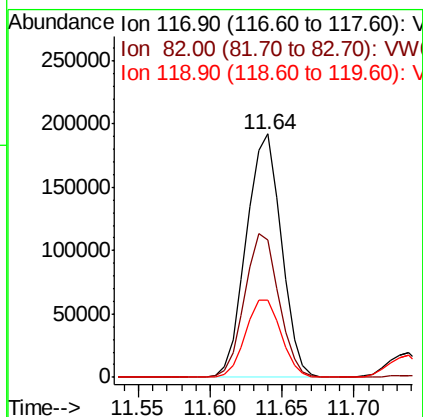
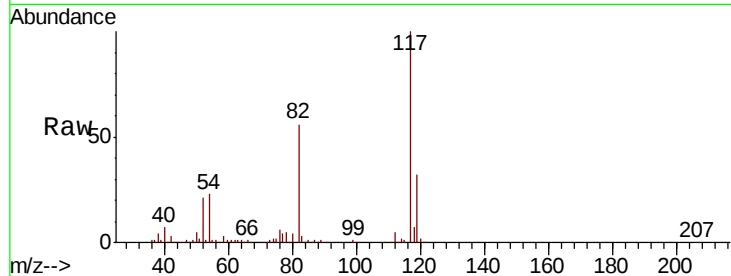




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

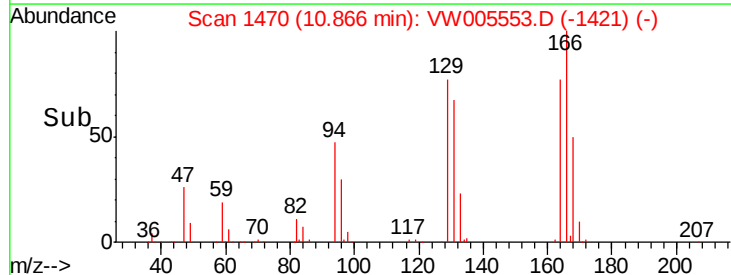
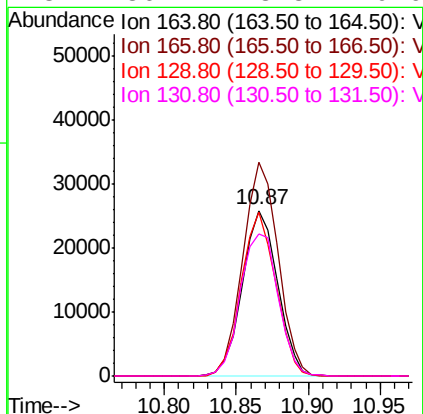
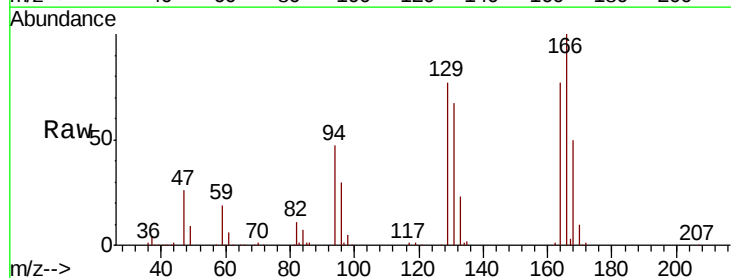
Instrument :
MSVOA_W
ClientSampleId :

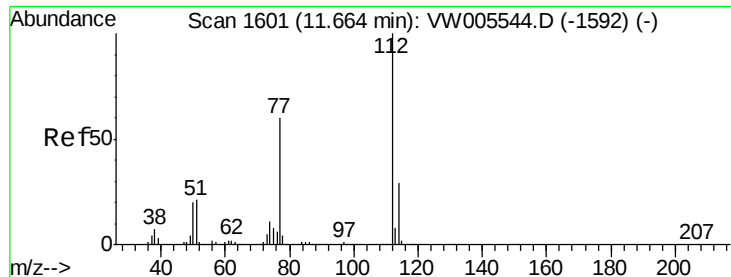
Tot Ion:117 Resp: 323312
Ion Ratio Lower Upper
117 100
82 56.2 46.9 70.3
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 19.083 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:164 Resp: 43789
Ion Ratio Lower Upper
164 100
166 129.3 101.1 151.7
129 99.4 74.4 111.6
131 86.4 73.8 110.6

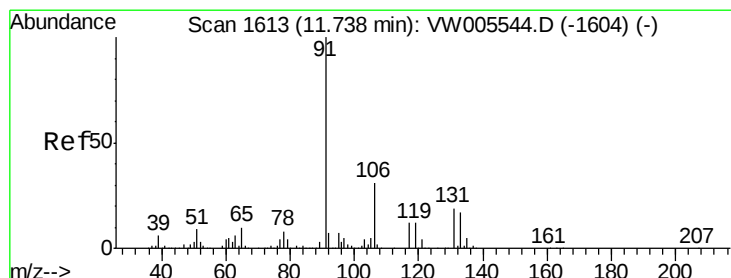
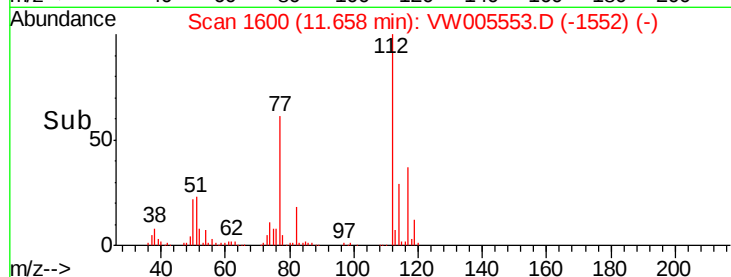
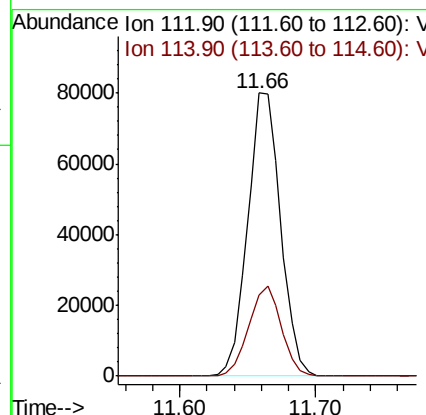
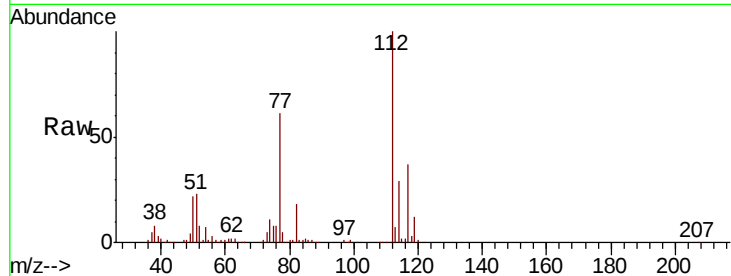




#65
Chlorobenzene
Concen: 19.749 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

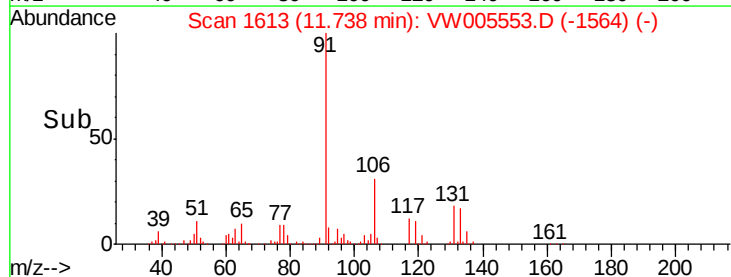
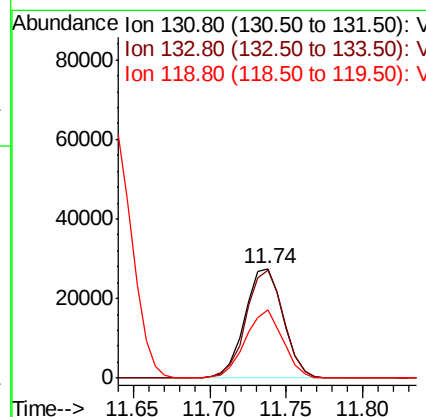
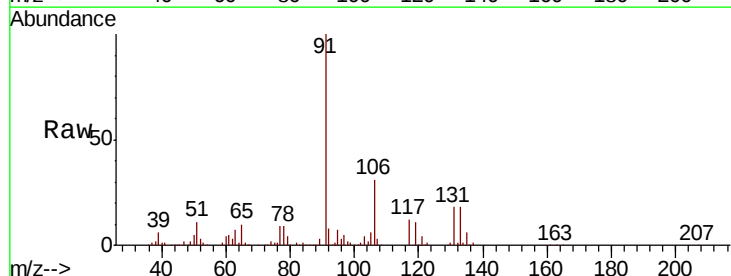
Instrument :
MSVOA_W
ClientSampleId :

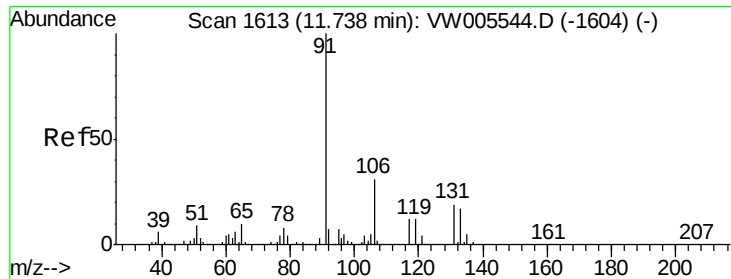
Tot Ion:112 Resp: 135549
Ion Ratio Lower Upper
112 100
114 28.8 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.402 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:131 Resp: 47928
Ion Ratio Lower Upper
131 100
133 96.6 47.2 141.6
119 60.7 31.1 93.2

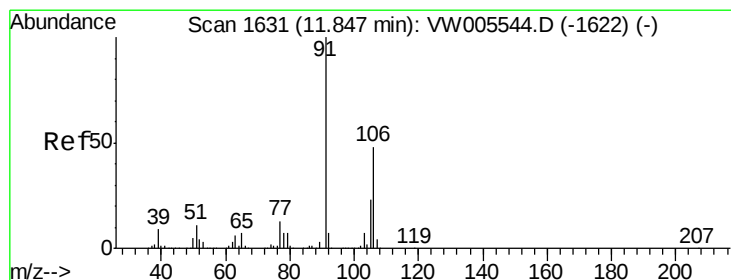
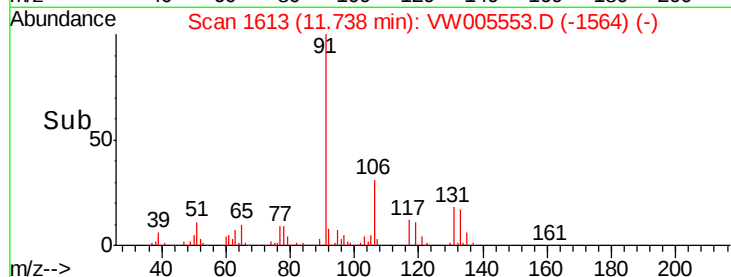
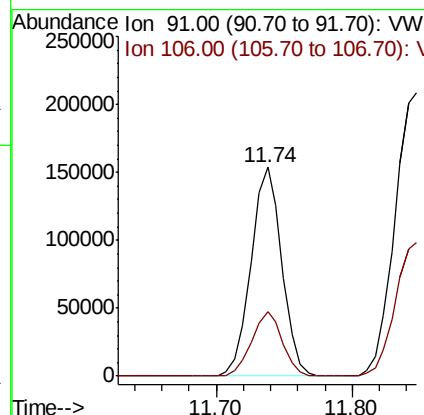
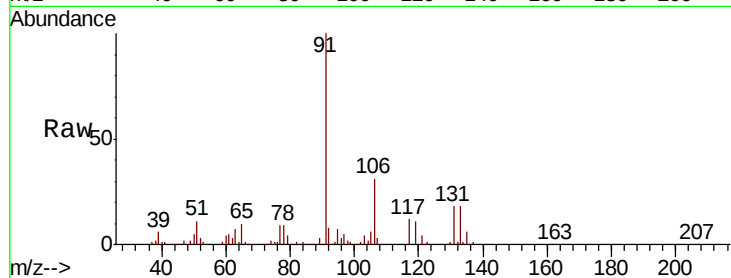




#67
Ethyl Benzene
Concen: 20.028 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

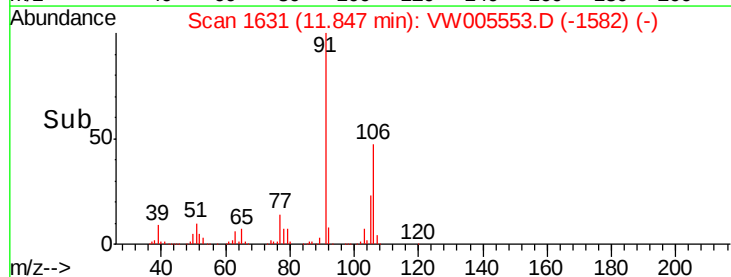
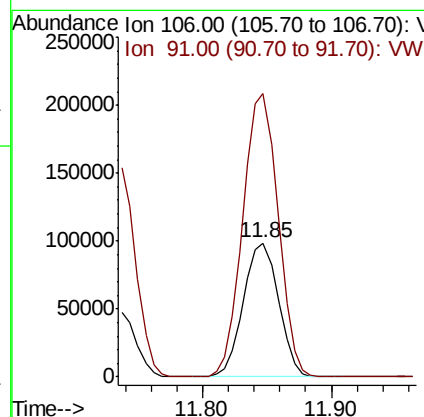
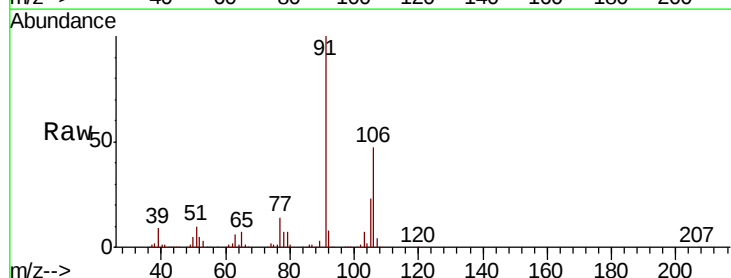
Instrument :
MSVOA_W
ClientSampled :

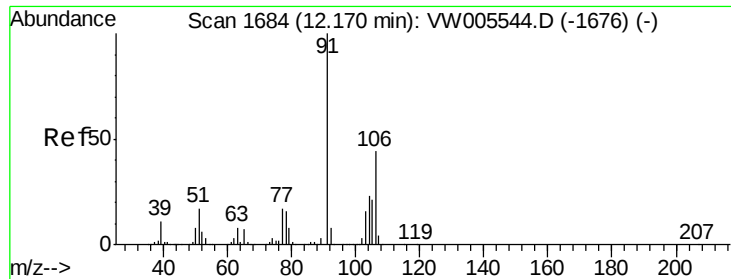
Tot Ion: 91 Resp: 244000
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6



#68
m/p-Xylenes
Concen: 40.752 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion: 106 Resp: 187570
Ion Ratio Lower Upper
106 100
91 211.1 167.8 251.8

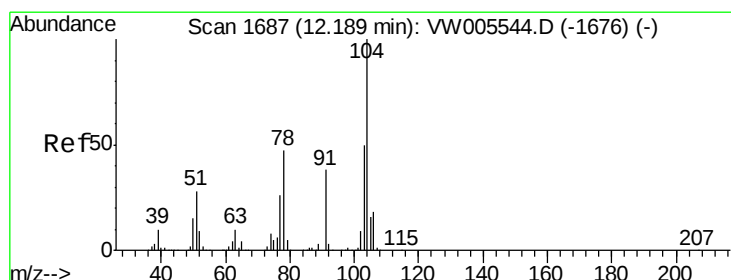
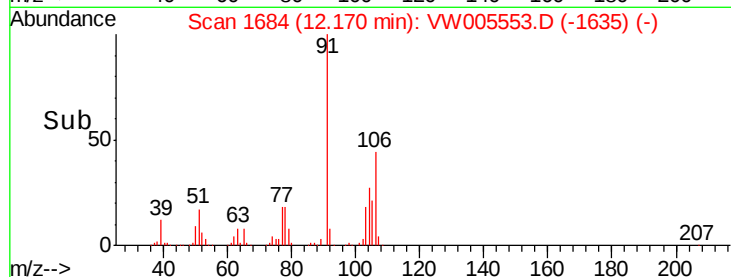
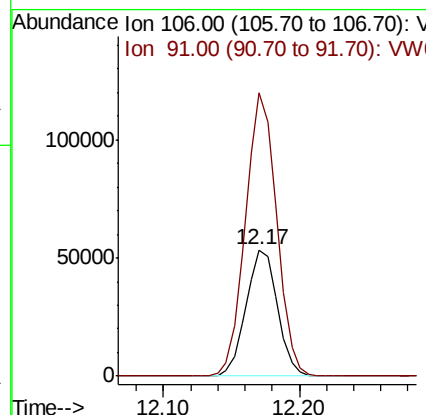
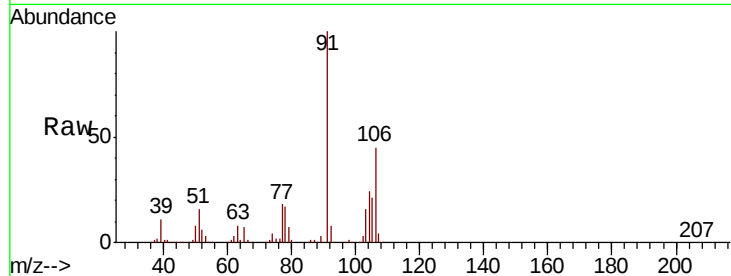




#69
o-Xylene
Concen: 20.074 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

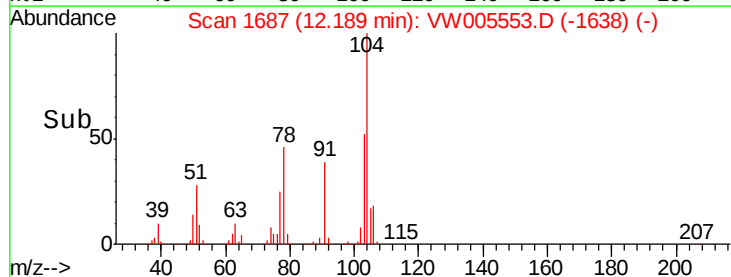
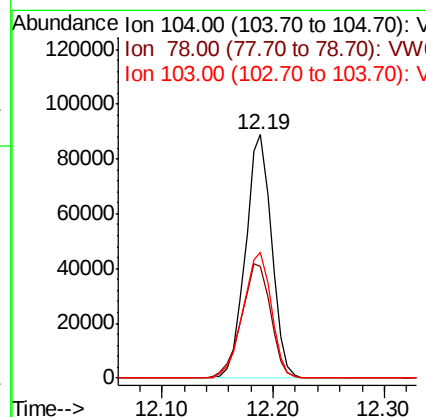
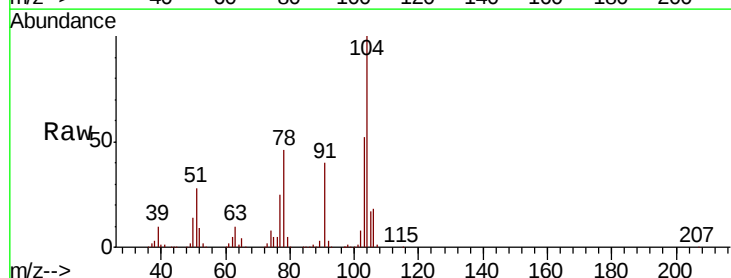
Instrument :
MSVOA_W
ClientSampled :

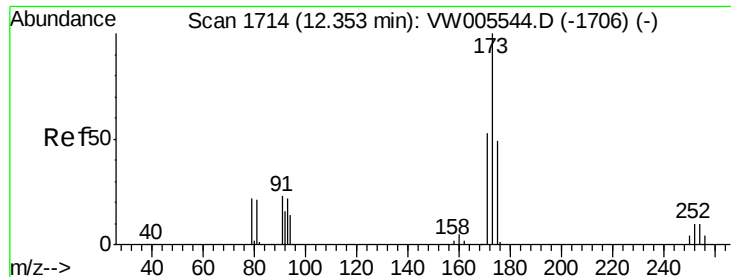
Tot Ion:106 Resp: 86530
Ion Ratio Lower Upper
106 100
91 222.6 111.0 333.0



#70
Styrene
Concen: 19.960 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:104 Resp: 144792
Ion Ratio Lower Upper
104 100
78 52.5 42.2 63.4
103 55.8 44.6 66.8





#71

Bromoform

Concen: 18.611 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

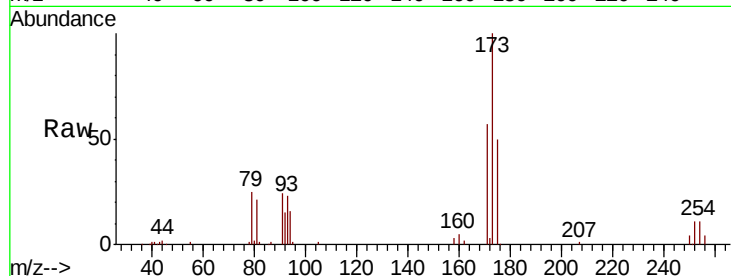
Tot Ion:173 Resp: 24403

Ion Ratio Lower Upper

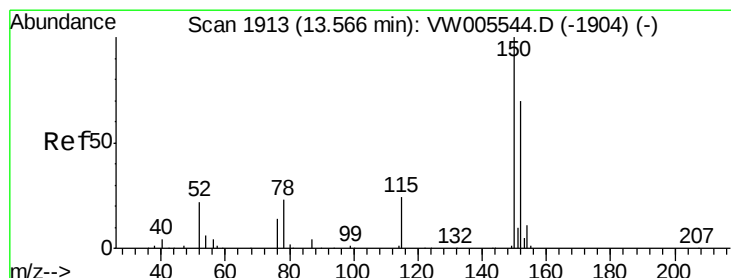
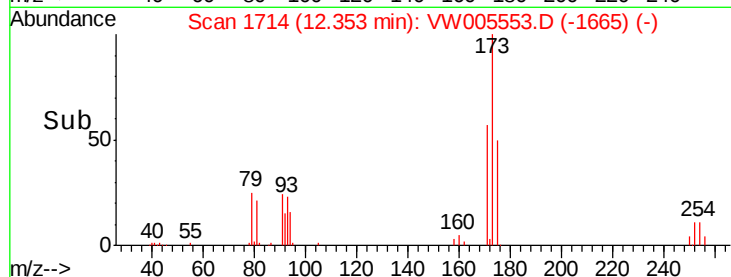
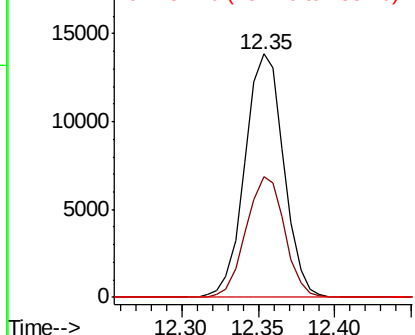
173 100

175 49.4 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

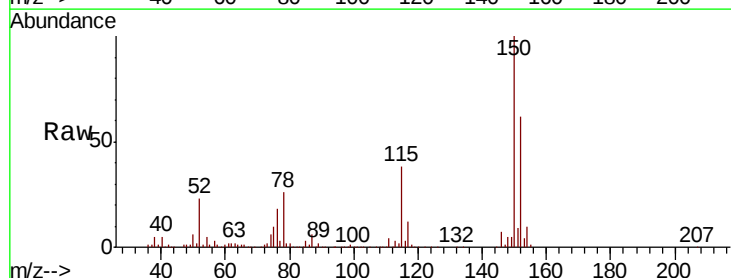
Tgt Ion:152 Resp: 175990

Ion Ratio Lower Upper

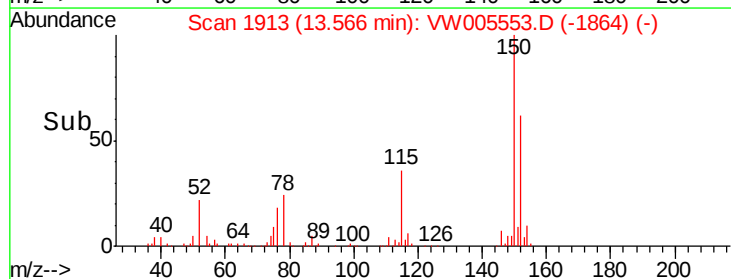
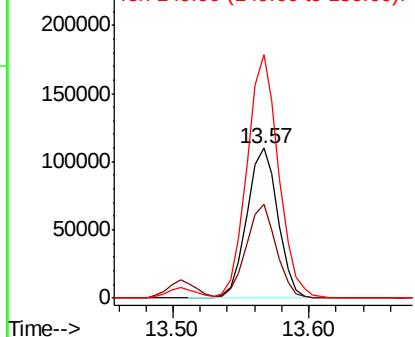
152 100

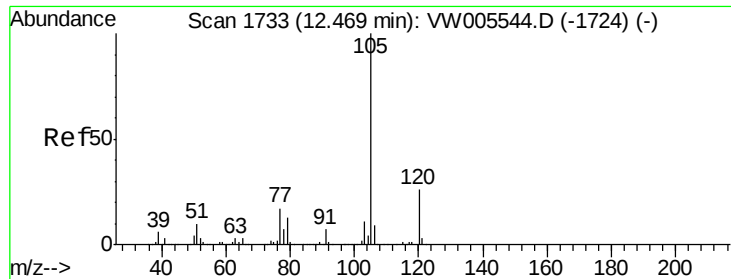
115 60.6 30.0 90.0

150 165.0 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.674 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

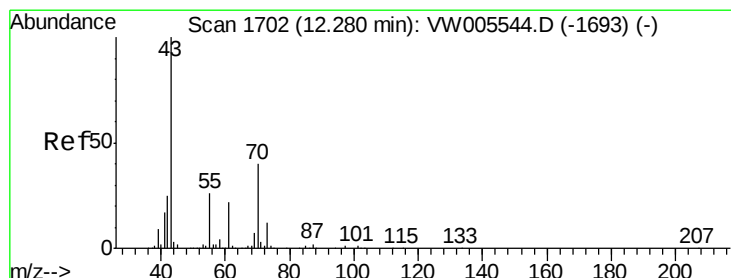
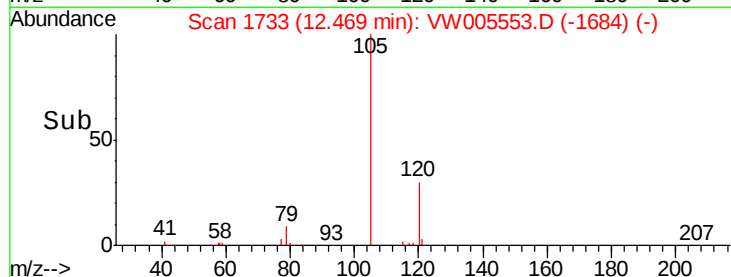
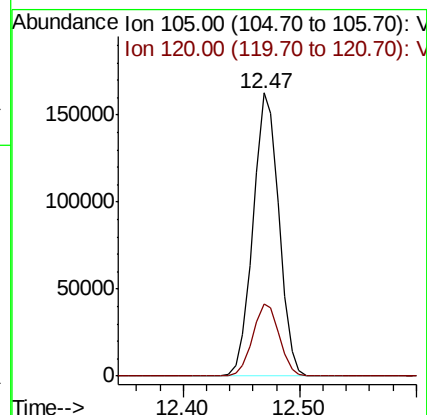
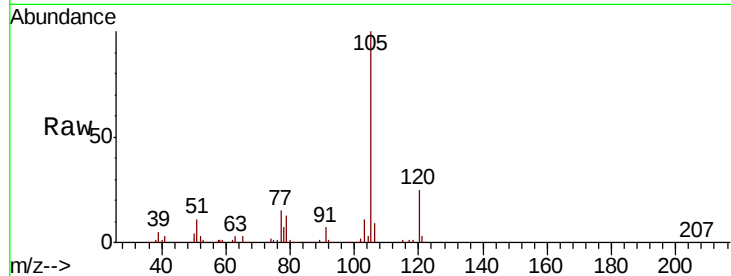
ClientSampleId :

Tot Ion:105 Resp: 252315

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7



#74

N-ethyl acetate

Concen: 17.988 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Tgt Ion: 43 Resp: 49712

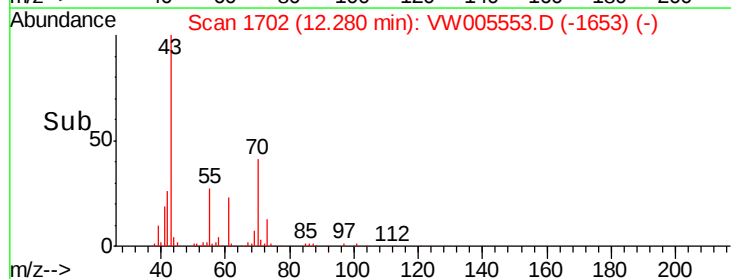
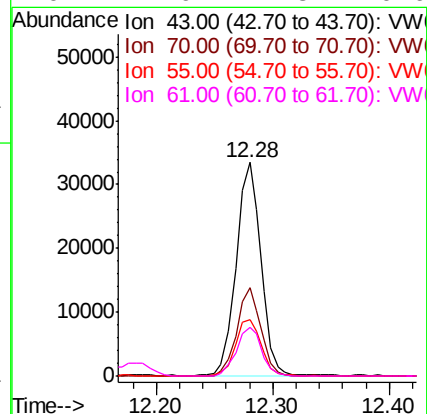
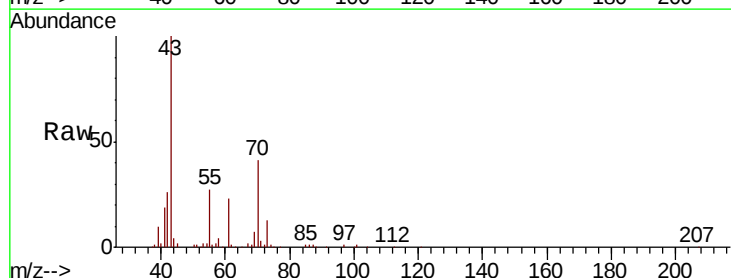
Ion Ratio Lower Upper

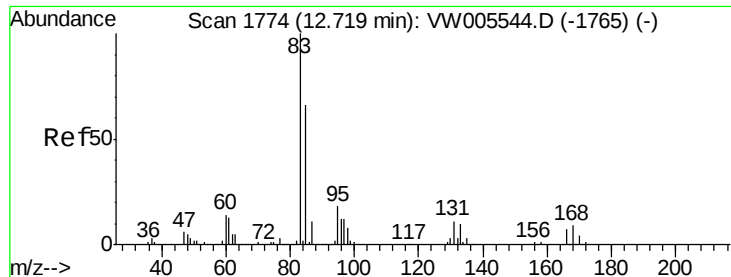
43 100

70 39.7 31.4 47.0

55 27.6 20.9 31.3

61 22.9 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.682 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampled :

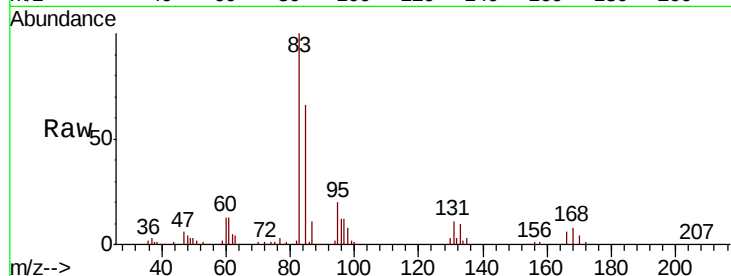
Tot Ion: 83 Resp: 37871

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

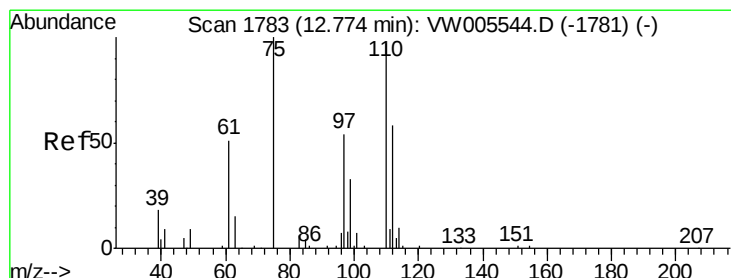
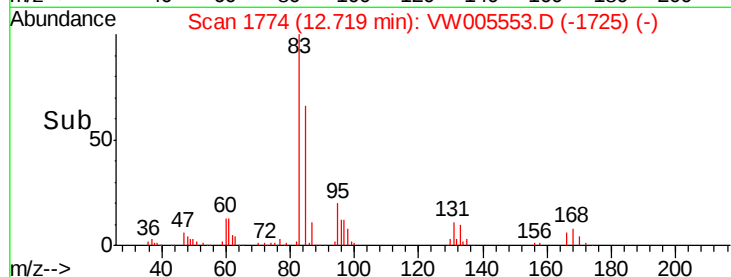
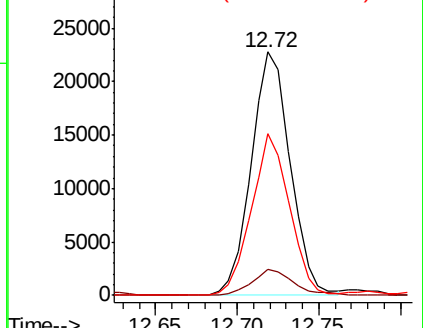
85 64.4 32.4 97.0



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: 36.053 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005553.D

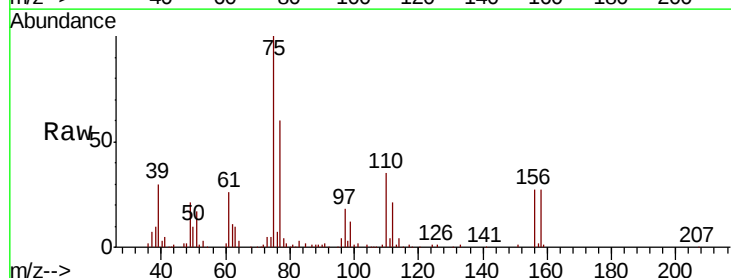
Acq: 21 Sep 2018 12:14

Tgt Ion: 75 Resp: 54086

Ion Ratio Lower Upper

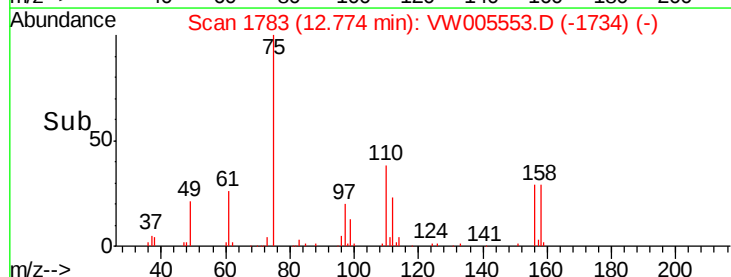
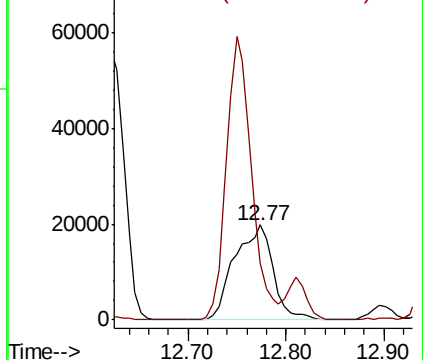
75 100

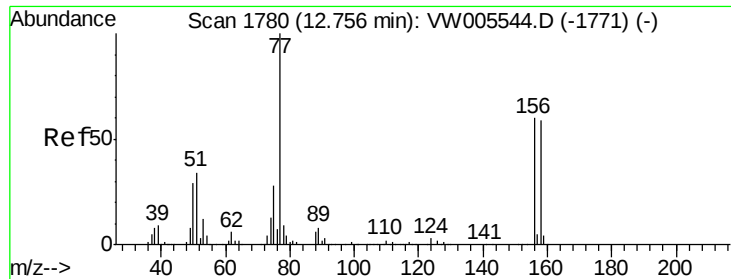
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.703 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

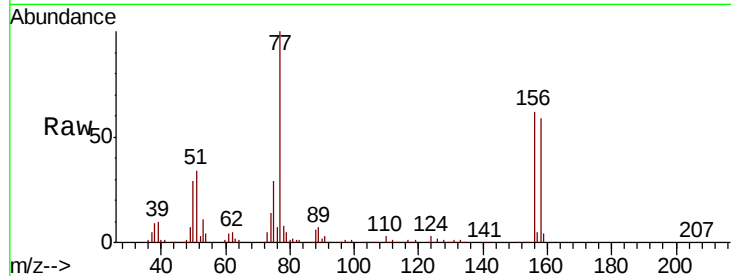
Tot Ion:156 Resp: 56360

Ion Ratio Lower Upper

156 100

77 187.9 94.7 284.1

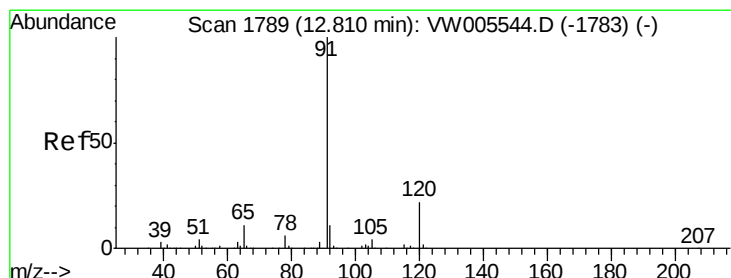
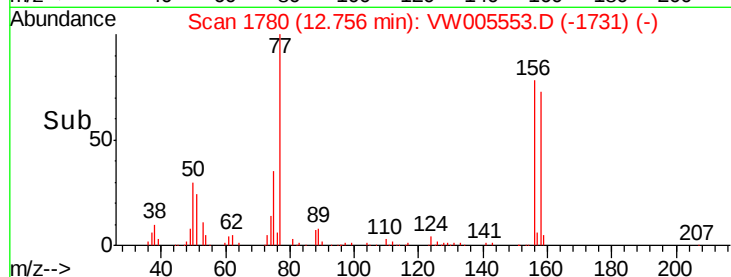
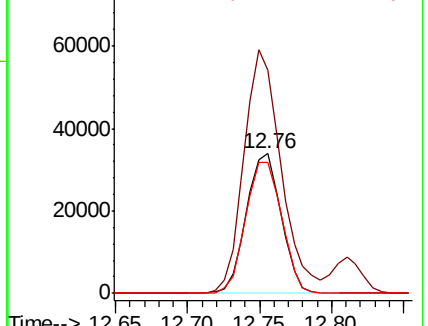
158 98.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.600 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005553.D

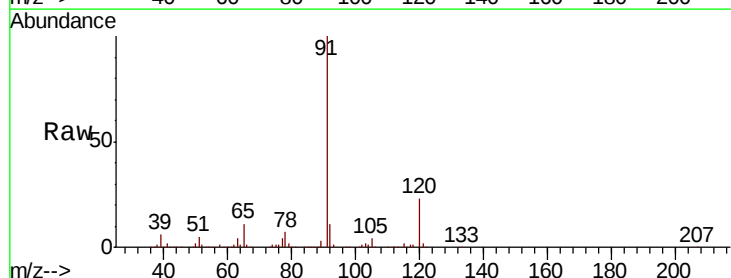
Acq: 21 Sep 2018 12:14

Tgt Ion: 91 Resp: 304377

Ion Ratio Lower Upper

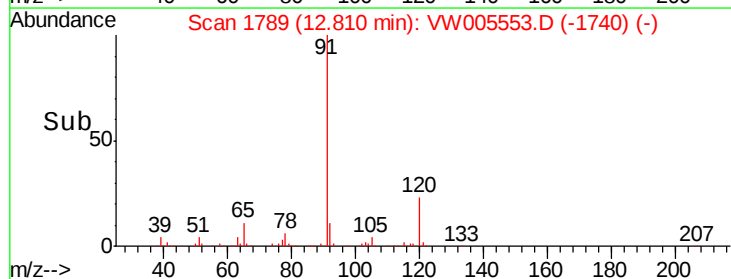
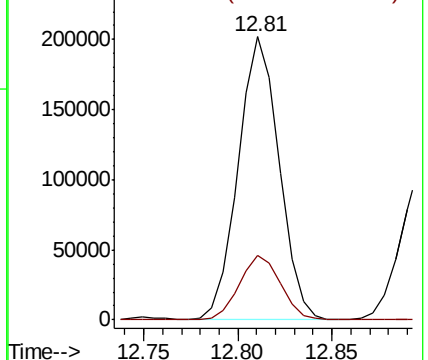
91 100

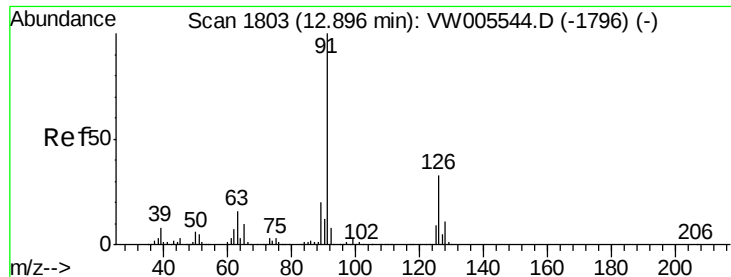
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.481 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

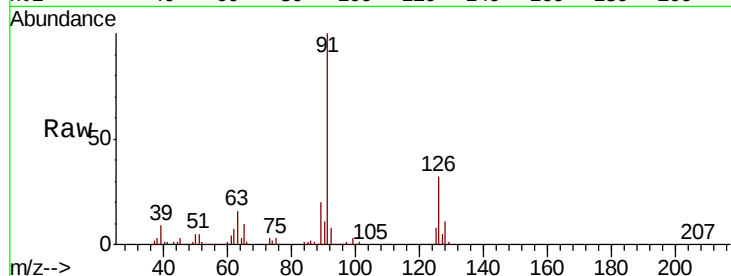
ClientSampleId :

Tot Ion: 91 Resp: 175081

Ion Ratio Lower Upper

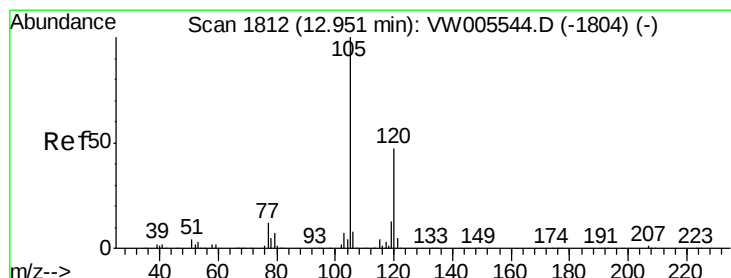
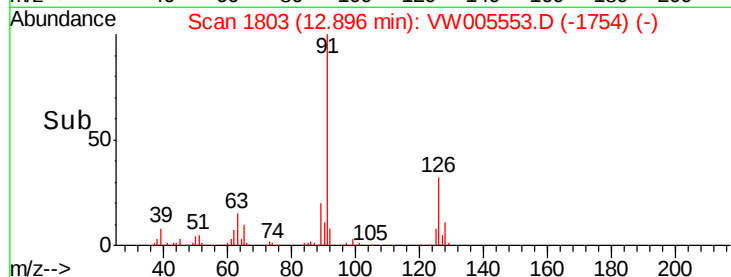
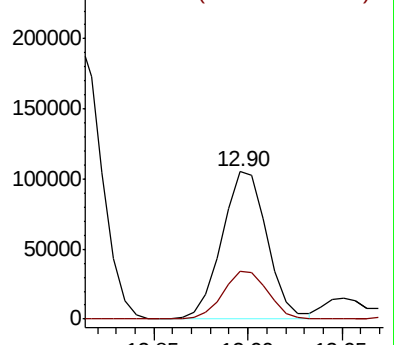
91 100

126 32.4 16.4 49.1



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: 20.276 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005553.D

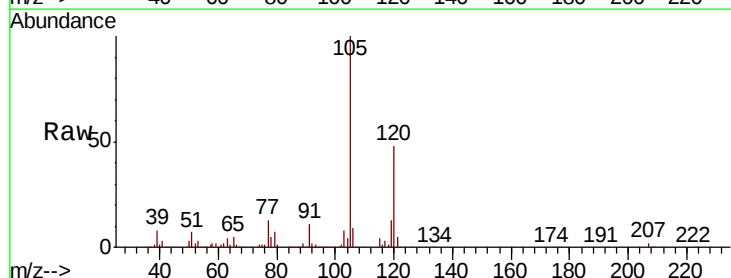
Acq: 21 Sep 2018 12:14

Tgt Ion:105 Resp: 215177

Ion Ratio Lower Upper

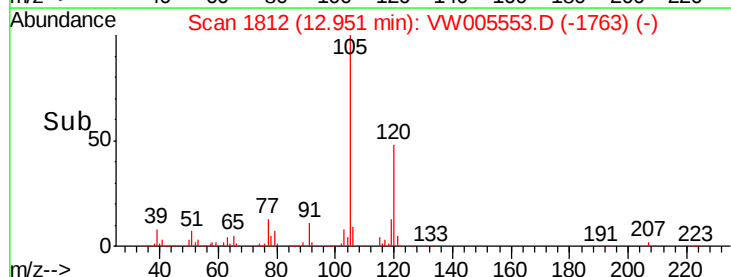
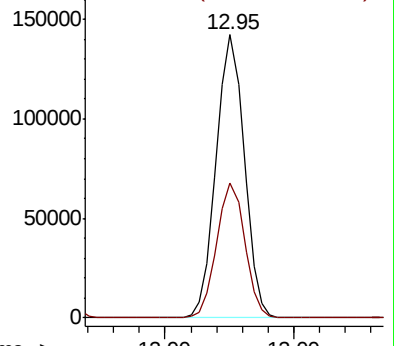
105 100

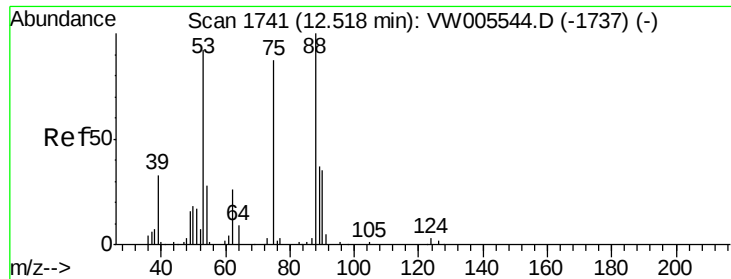
120 47.8 23.6 70.8



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: 18.232 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampled :

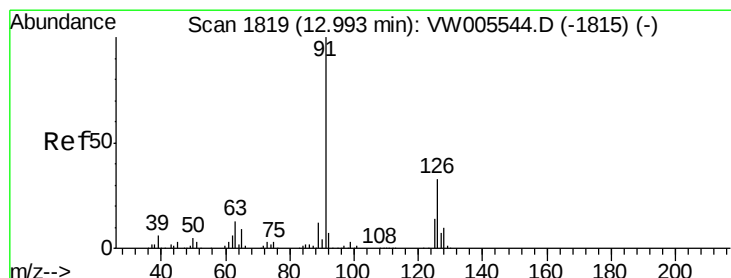
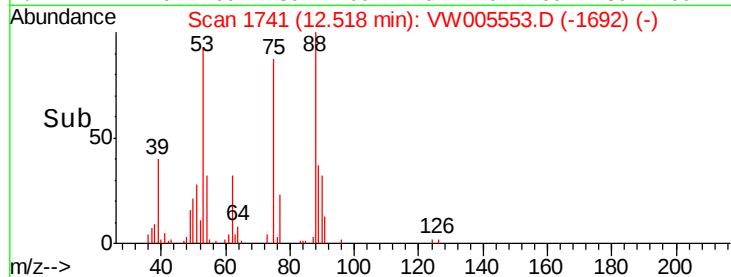
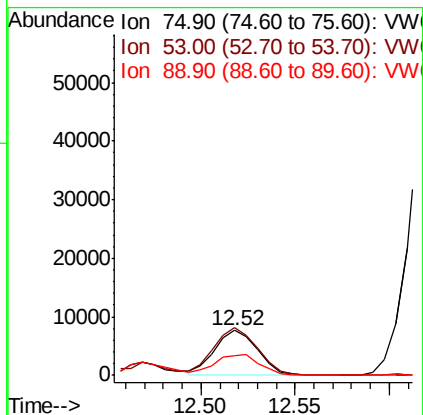
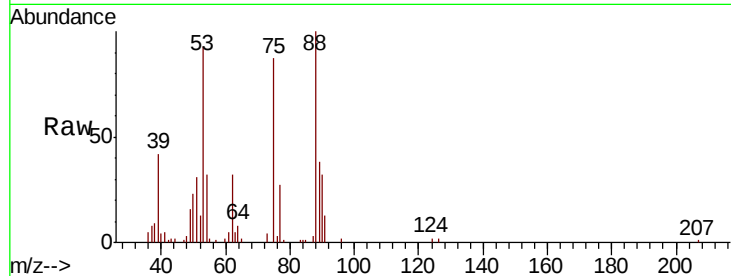
Tot Ion: 75 Resp: 12144

Ion Ratio Lower Upper

75 100

53 109.1 85.8 128.6

89 49.1 37.3 55.9



#82

4-Chlorotoluene

Concen: 20.331 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005553.D

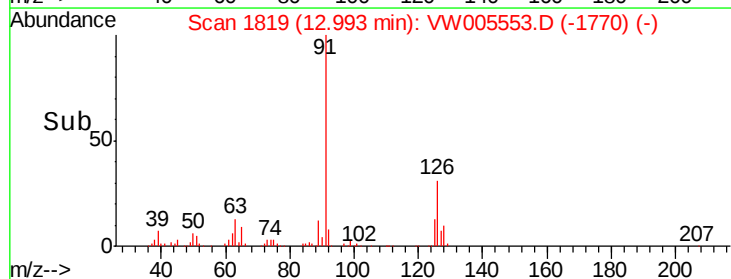
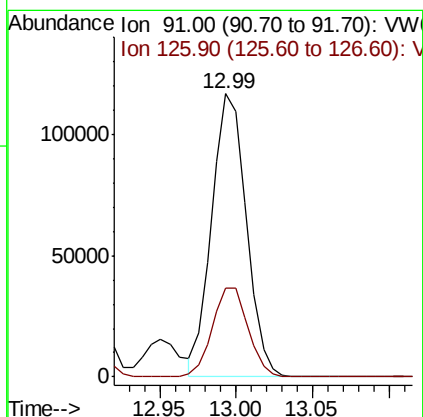
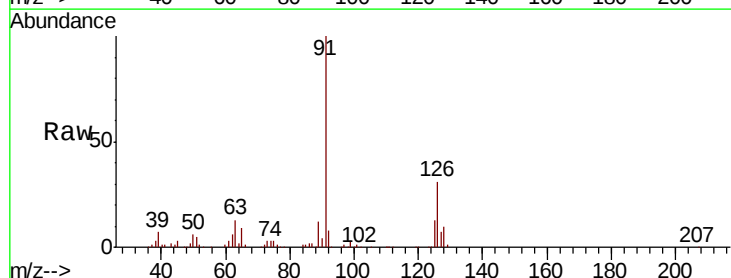
Acq: 21 Sep 2018 12:14

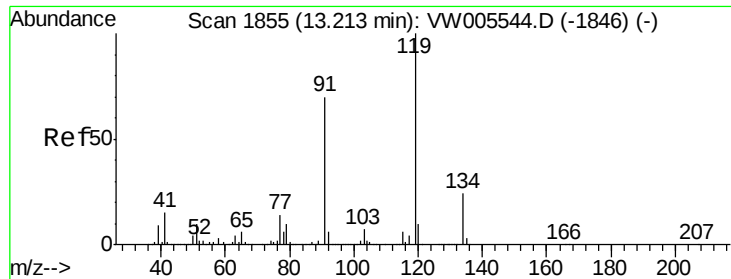
Tgt Ion: 91 Resp: 183635

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4

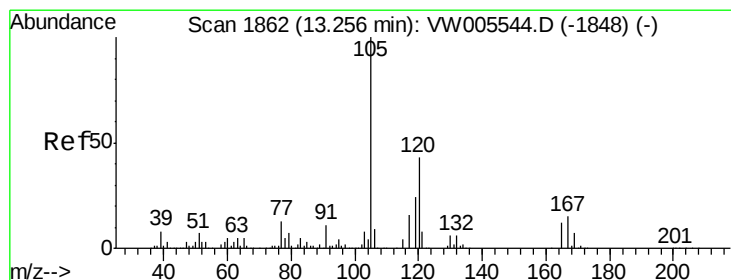
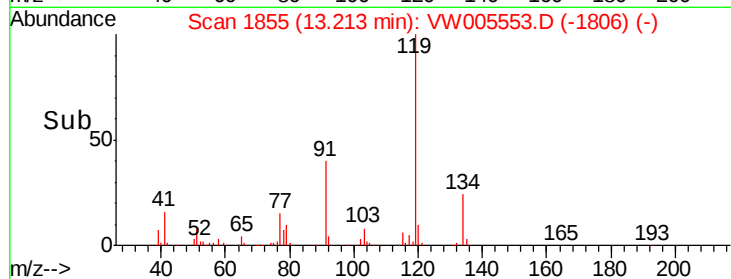
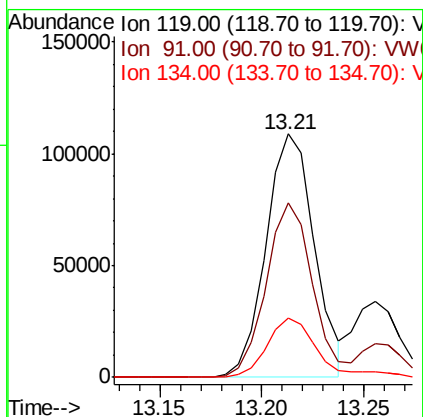
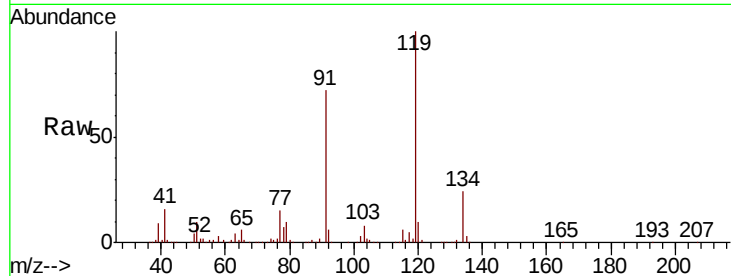




#83
tert-Butylbenzene
Concen: 20.167 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

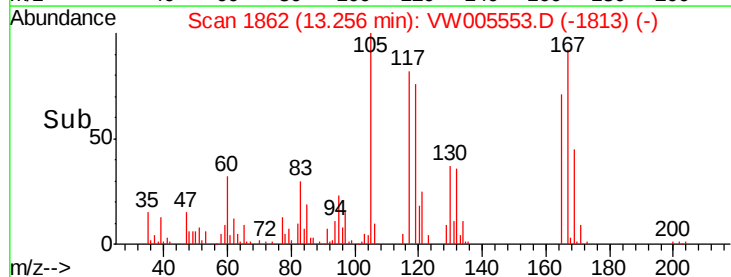
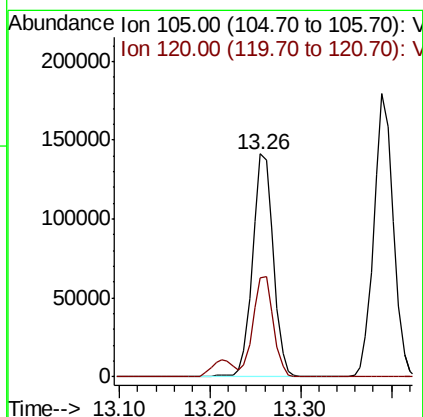
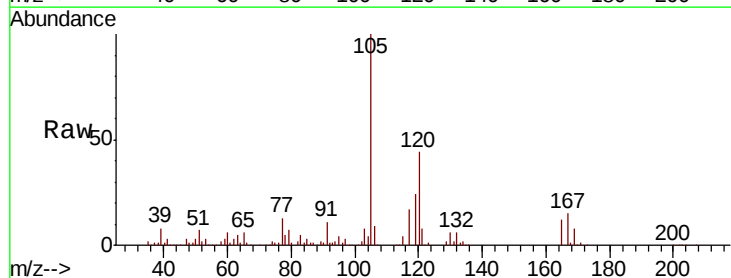
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 179799
Ion Ratio Lower Upper
119 100
91 69.3 34.6 103.8
134 25.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 20.883 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:105 Resp: 223641
Ion Ratio Lower Upper
105 100
120 43.8 21.5 64.5





#85

sec-Butylbenzene

Concen: 20.576 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

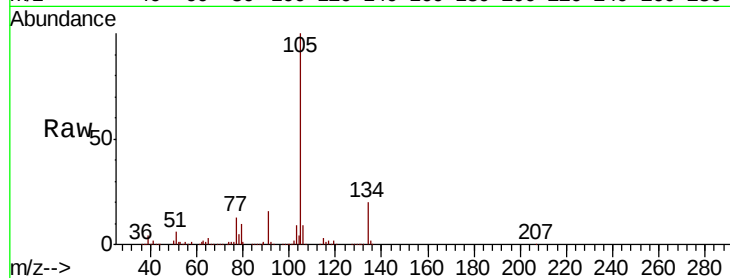
ClientSampleId :

Tot Ion:105 Resp: 266053

Ion Ratio Lower Upper

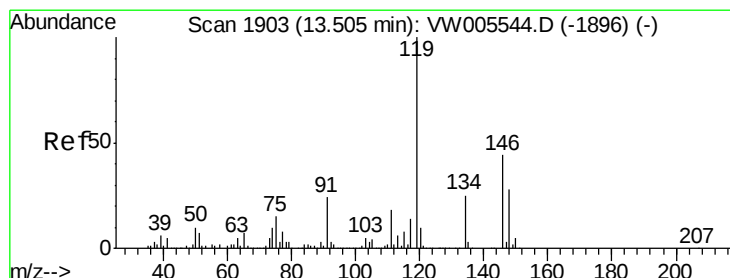
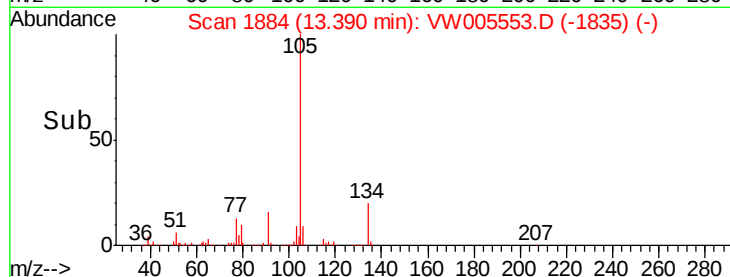
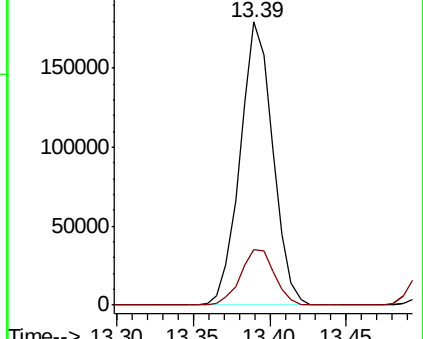
105 100

134 20.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.817 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

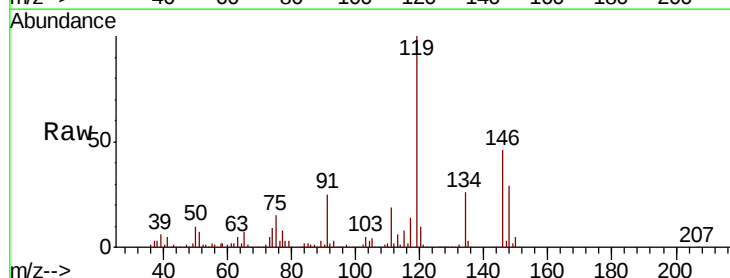
Tgt Ion:119 Resp: 241263

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

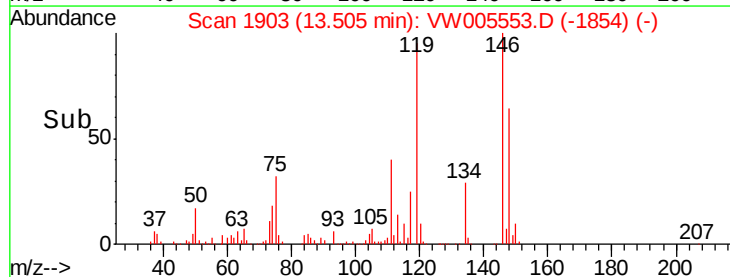
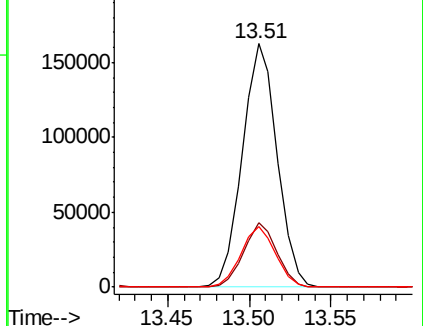
91 24.5 12.2 36.4

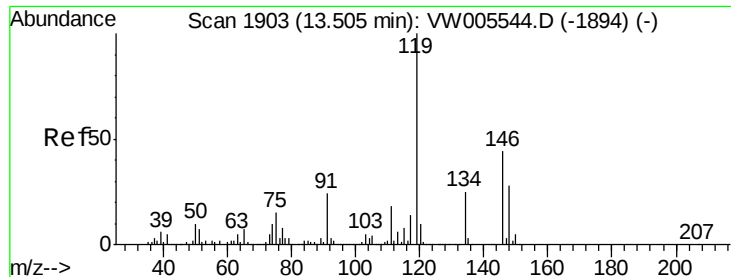


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

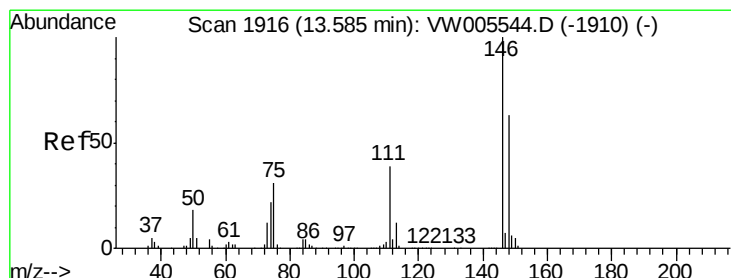
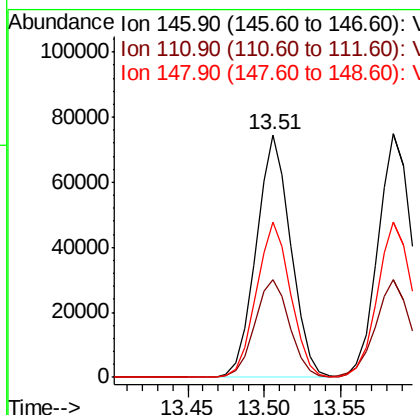
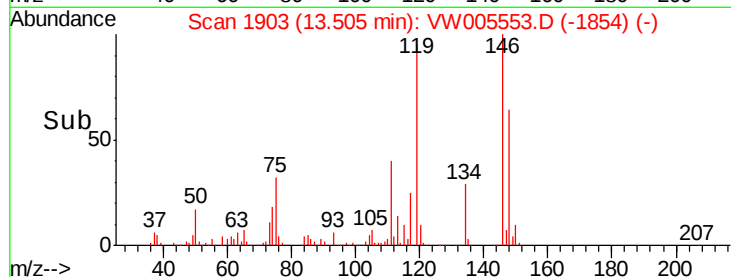
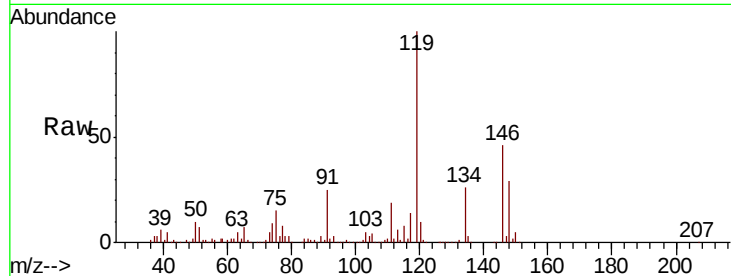




#87
 1,3-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

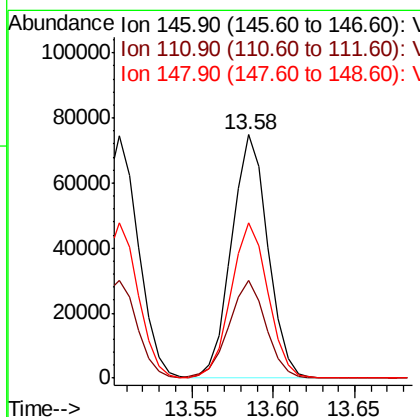
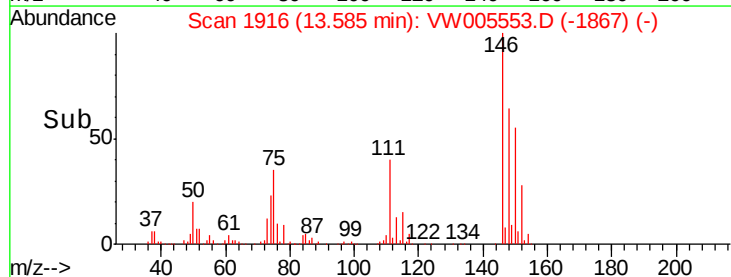
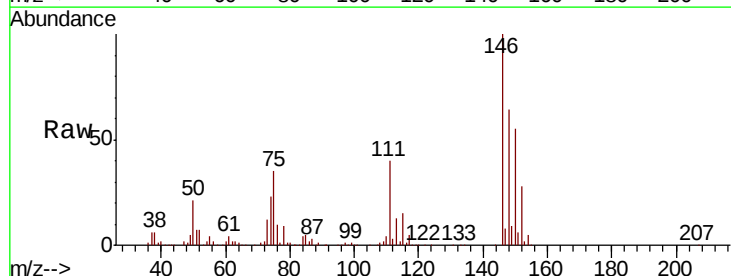
Instrument :
 MSVOA_W
 ClientSampleId :

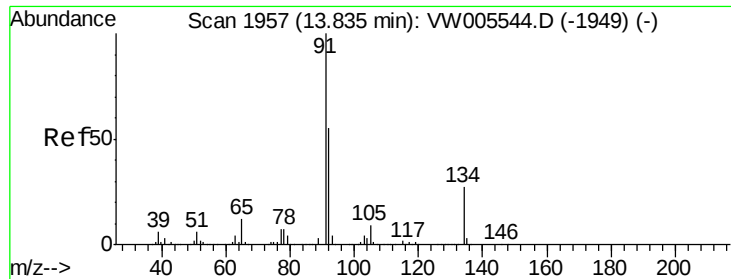
Tot Ion:146 Resp: 117136
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.3 60.9
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.955 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion:146 Resp: 116084
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.9 59.7
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 20.672 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

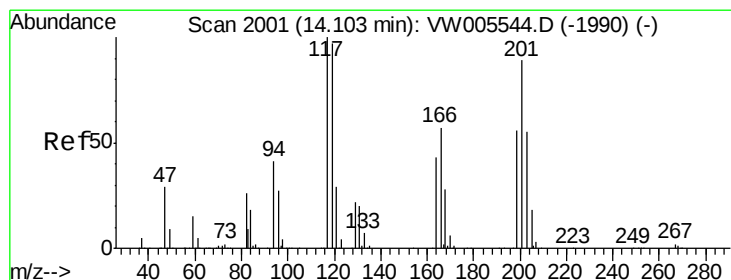
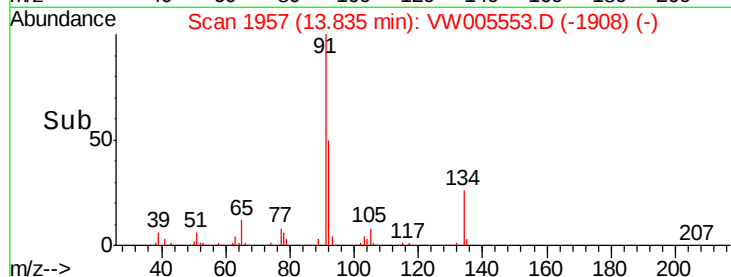
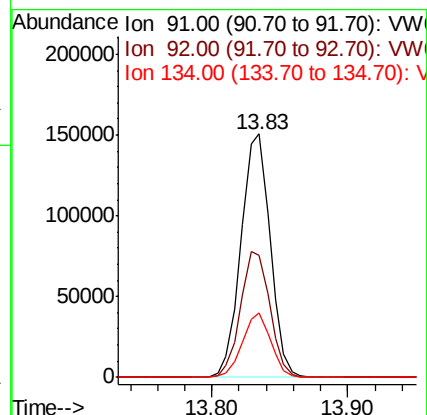
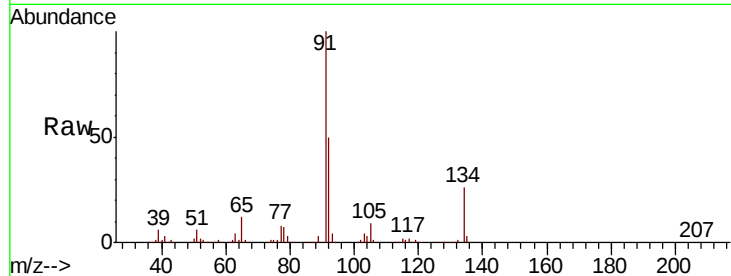
Tot Ion: 91 Resp: 225988

Ion Ratio Lower Upper

91 100

92 51.9 26.5 79.5

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 20.350 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005553.D

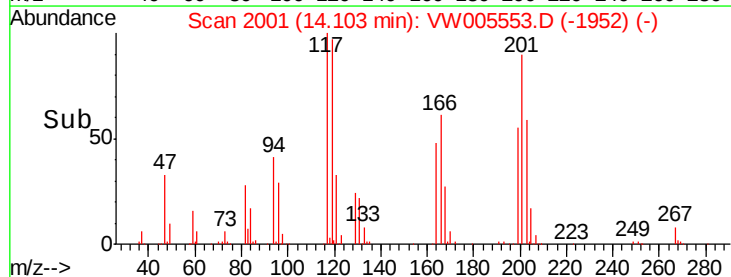
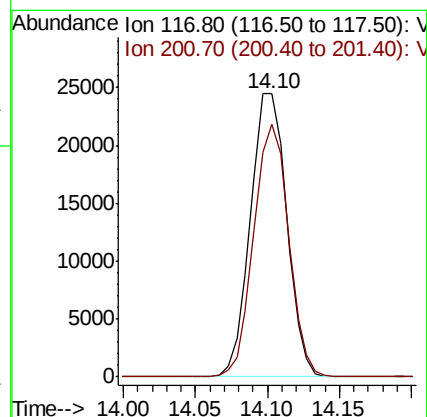
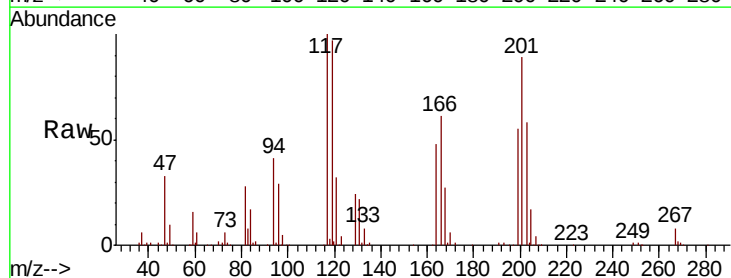
Acq: 21 Sep 2018 12:14

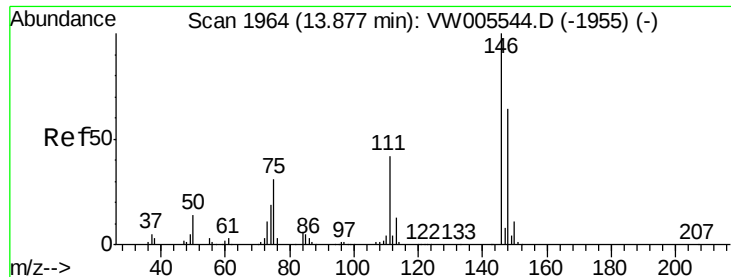
Tgt Ion: 117 Resp: 42748

Ion Ratio Lower Upper

117 100

201 85.7 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 19.759 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

Instrument :

MSVOA_W

ClientSampleId :

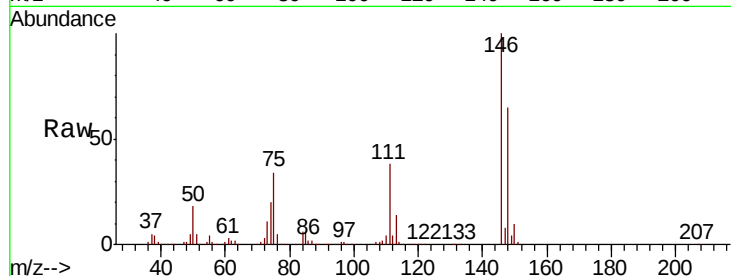
Tot Ion:146 Resp: 102025

Ion Ratio Lower Upper

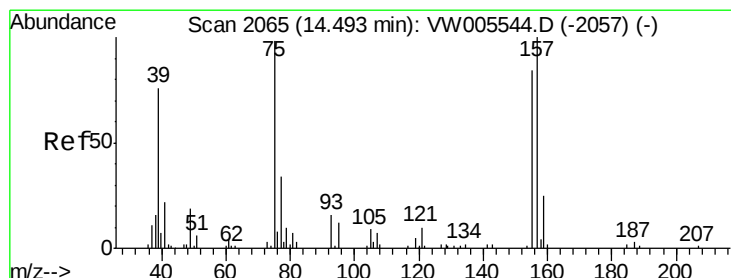
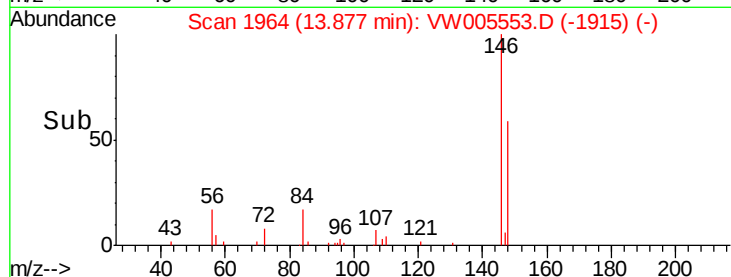
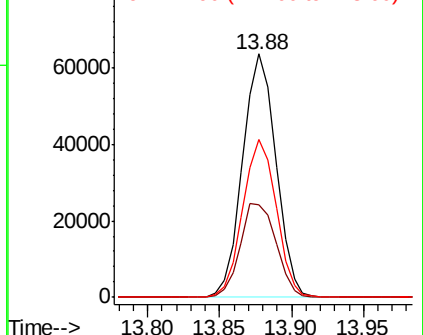
146 100

111 41.5 21.3 63.9

148 65.1 32.0 96.2



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: 19.232 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005553.D

Acq: 21 Sep 2018 12:14

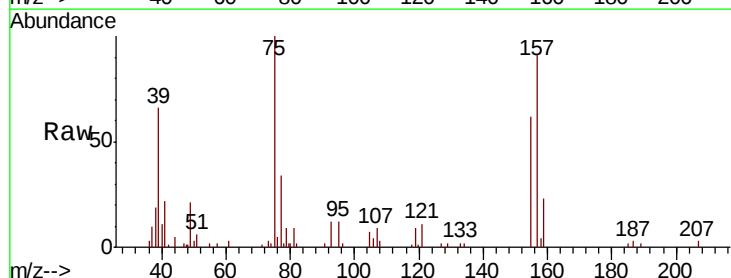
Tgt Ion: 75 Resp: 7428

Ion Ratio Lower Upper

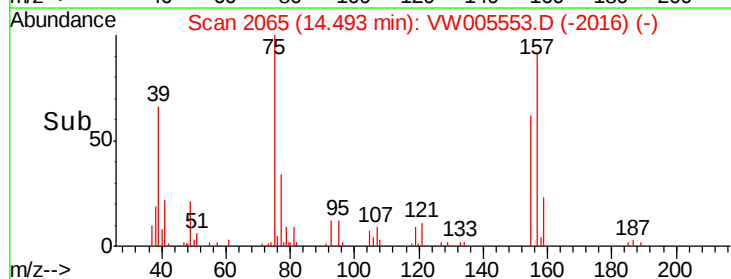
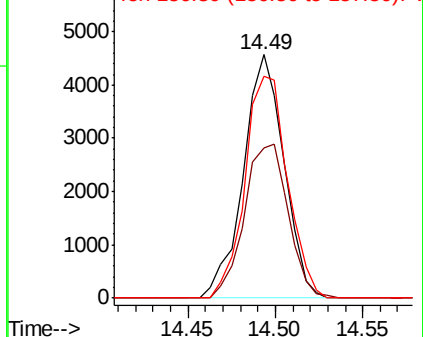
75 100

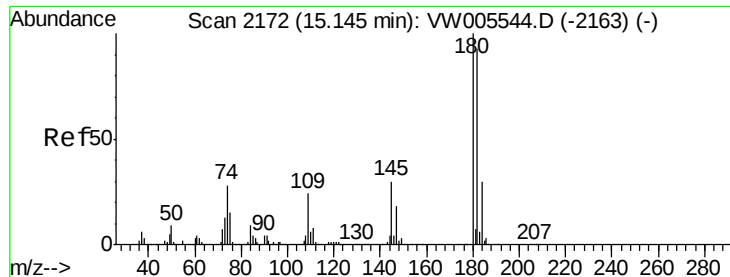
155 68.2 39.1 117.5

157 95.1 50.8 152.4



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

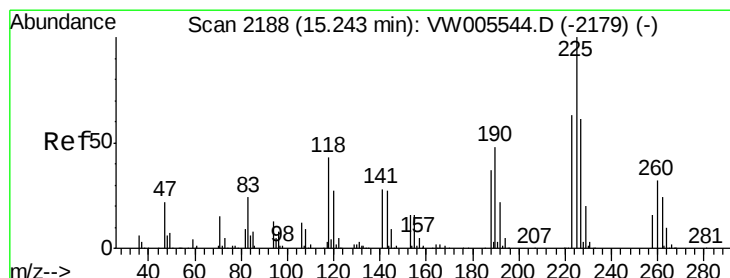
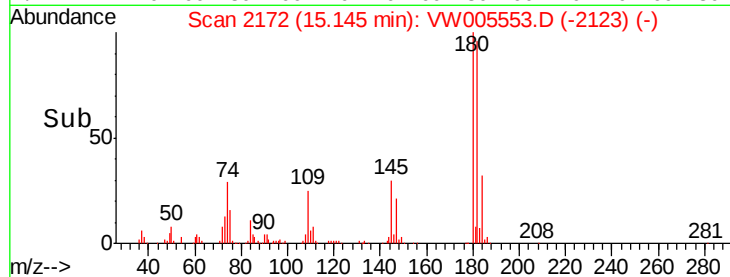
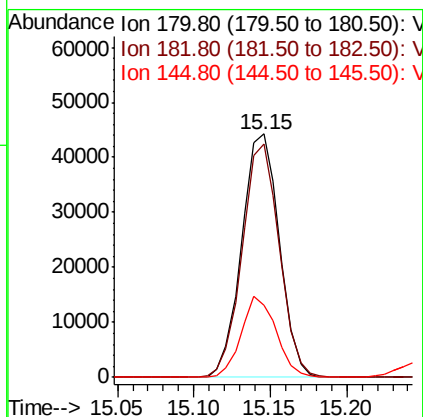
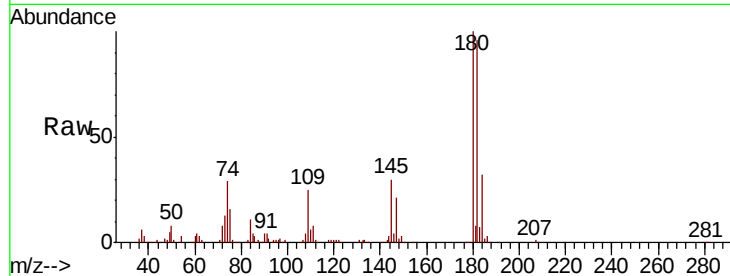




#93
 1,2,4-Trichlorobenzene
 Concen: 20.542 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

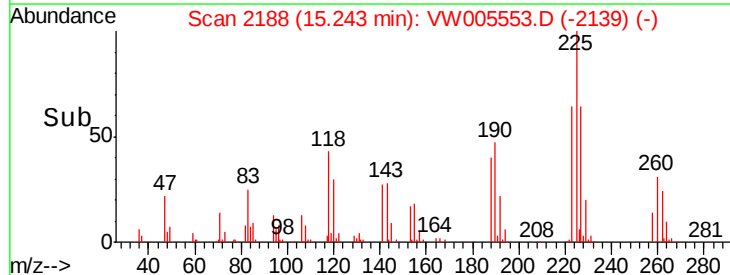
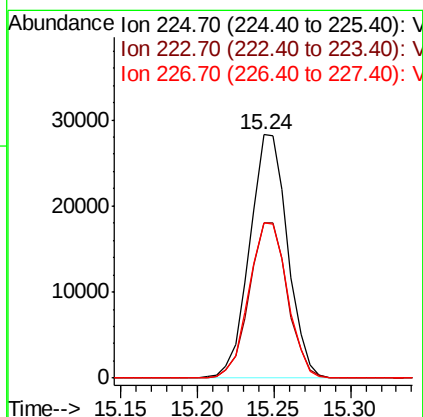
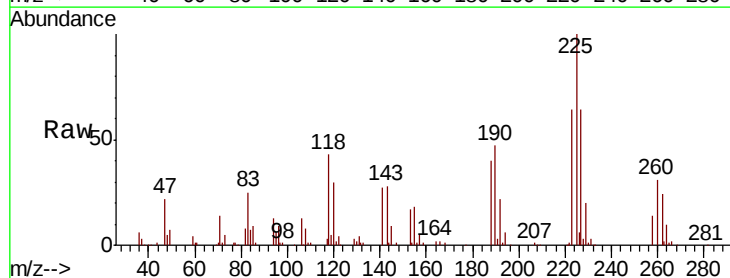
Instrument :
 MSVOA_W
 ClientSampleId :

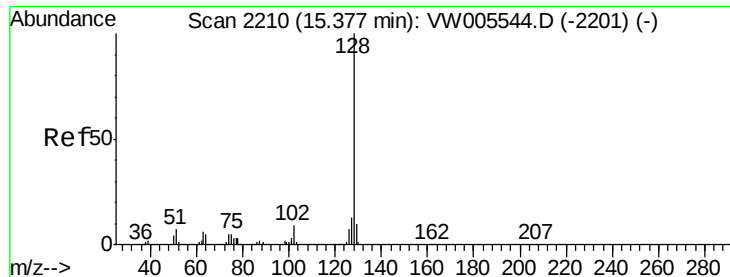
Tot Ion:180 Resp: 75661
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.7 143.1
 145 30.9 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.398 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005553.D
 Acq: 21 Sep 2018 12:14

Tgt Ion:225 Resp: 48674
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.1 93.3
 227 64.8 31.8 95.3

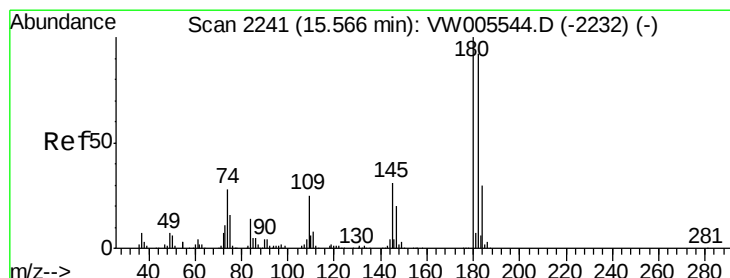
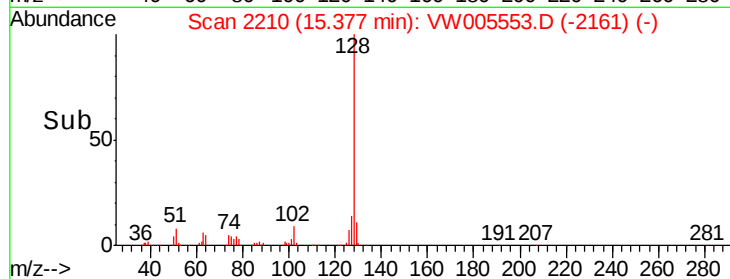
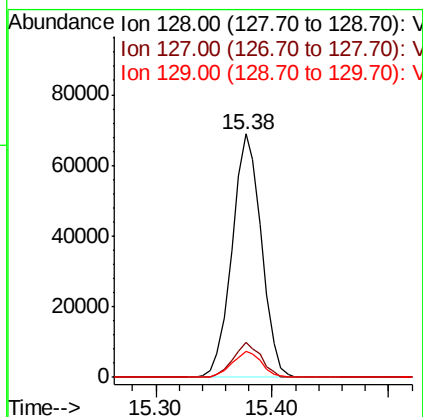
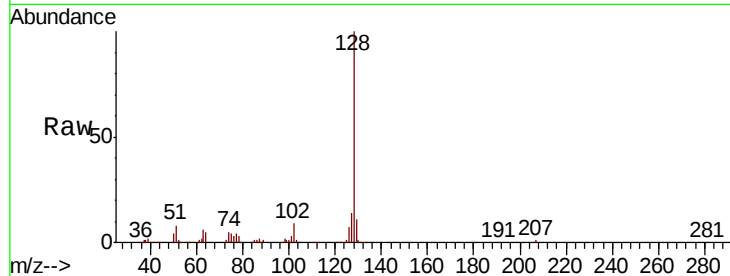




#95
Naphthalene
Concen: 19.487 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 120734
Ion Ratio Lower Upper
128 100
127 13.6 10.9 16.3
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.215 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005553.D
Acq: 21 Sep 2018 12:14

Tgt Ion:180 Resp: 65618
Ion Ratio Lower Upper
180 100
182 93.7 47.3 141.9
145 31.8 16.0 47.9

