

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081318\
 Data File : VW004587.D
 Acq On : 10 Aug 2018 10:36
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 11 00:57:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	649469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	954211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	895847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	475812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	348863	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.88	113	343777	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.33	98	1390611	57.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.66%	
62) 4-Bromofluorobenzene	12.62	95	491293	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	230598	51.738	ug/l	100
3) Chloromethane	2.22	50	330529	53.231	ug/l	100
4) Vinyl Chloride	2.37	62	447971	51.645	ug/l	99
5) Bromomethane	2.79	94	262729	52.019	ug/l	99
6) Chloroethane	2.93	64	268902	51.881	ug/l	97
7) Trichlorofluoromethane	3.26	101	229072	71.503	ug/l	100
8) Diethyl Ether	3.68	74	177776	43.866	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	370981	52.427	ug/l	100
10) Methyl Iodide	4.26	142	524781	49.431	ug/l	100
11) Tert butyl alcohol	5.21	59	90679	215.413	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	348458	48.926	ug/l	98
13) Acrolein	3.90	56	166928	323.647	ug/l	99
14) Allyl chloride	4.67	41	537891	50.267	ug/l	99
15) Acrylonitrile	5.37	53	397509	220.719	ug/l	99
16) Acetone	4.14	43	537376	299.300	ug/l	99
17) Carbon Disulfide	4.37	76	1176470	51.399	ug/l	98
18) Methyl Acetate	4.67	43	187762	41.939	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	441914	45.488	ug/l	98
20) Methylene Chloride	4.91	84	399916	44.660	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	371832	48.445	ug/l	99
22) Diisopropyl ether	6.31	45	1091626	49.641	ug/l	99
23) Vinyl Acetate	6.26	43	3071652	232.416	ug/l	100
24) 1,1-Dichloroethane	6.21	63	664654	47.221	ug/l	99
25) 2-Butanone	7.18	43	667164	231.003	ug/l	99
26) 2,2-Dichloropropane	7.17	77	395535	53.541	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	389381	47.153	ug/l	99
28) Bromochloromethane	7.51	49	290714	47.470	ug/l	100
29) Tetrahydrofuran	7.54	42	324051	217.035	ug/l	99
30) Chloroform	7.68	83	640933	46.360	ug/l	100
31) Cyclohexane	7.96	56	669067	49.680	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	531393	51.170	ug/l	99
36) 1,1-Dichloropropene	8.09	75	534425	52.017	ug/l	99
37) Ethyl Acetate	7.26	43	218417	45.391	ug/l	99
38) Carbon Tetrachloride	8.07	117	495631	53.609	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	698350	55.454	ug/l	98
40) Benzene	8.32	78	1512097	50.118	ug/l	100
41) Methacrylonitrile	7.49	41	122665	45.641	ug/l	97
42) 1,2-Dichloroethane	8.40	62	394047	47.206	ug/l	100
43) Isopropyl Acetate	8.43	43	381253	45.454	ug/l	100
44) Trichloroethene	9.09	130	367565	49.578	ug/l	100
45) 1,2-Dichloropropane	9.37	63	370830	49.079	ug/l	100
46) Dibromomethane	9.46	93	182147	47.355	ug/l	99
47) Bromodichloromethane	9.65	83	429992	47.360	ug/l	98
48) Methyl methacrylate	9.44	41	184615	47.093	ug/l	99
49) 1,4-Dioxane	9.48	88	61935	1055.431	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	1367463	234.219	ug/l	100
52) Toluene	10.39	92	921352	51.787	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	439785	48.240	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	525603	49.471	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	259040	46.987	ug/l	100
56) Ethyl methacrylate	10.65	69	318459	48.248	ug/l	99
57) 1,3-Dichloropropane	10.94	76	452170	47.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	847857	242.170	ug/l	100
59) 2-Hexanone	10.98	43	997558	252.006	ug/l	99
60) Dibromochloromethane	11.13	129	288489	48.112	ug/l	100
61) 1,2-Dibromoethane	11.24	107	244873	47.278	ug/l	99
64) Tetrachloroethene	10.87	164	310796	49.733	ug/l	98
65) Chlorobenzene	11.66	112	992663	50.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	332024	49.396	ug/l	99
67) Ethyl Benzene	11.74	91	1777825	53.120	ug/l	98
68) m/p-Xylenes	11.85	106	1385552	107.123	ug/l	100
69) o-Xylene	12.17	106	637887	53.179	ug/l	100
70) Styrene	12.19	104	1080434	53.311	ug/l	100
71) Bromoform	12.35	173	173870	47.055	ug/l #	100
73) Isopropylbenzene	12.47	105	1793000	54.479	ug/l	100
74) N-amyl acetate	12.28	43	370647	46.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	319076	46.443	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	415531	84.396	ug/l #	100
77) Bromobenzene	12.75	156	397658	49.940	ug/l	99
78) n-propylbenzene	12.81	91	2236923	55.082	ug/l	100
79) 2-Chlorotoluene	12.90	91	1245873	53.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1549064	55.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	97820	47.560	ug/l	97
82) 4-Chlorotoluene	12.99	91	1299343	52.095	ug/l	99
83) tert-Butylbenzene	13.21	119	1307482	55.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1570168	54.025	ug/l	100
85) sec-Butylbenzene	13.39	105	1985097	55.878	ug/l	100
86) p-Isopropyltoluene	13.51	119	1725957	56.066	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	827963	50.464	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	816676	50.001	ug/l	100
89) n-Butylbenzene	13.84	91	1686681	55.765	ug/l	100
90) Hexachloroethane	14.10	117	297291	52.196	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	737996	49.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	50214	44.729	ug/l	99

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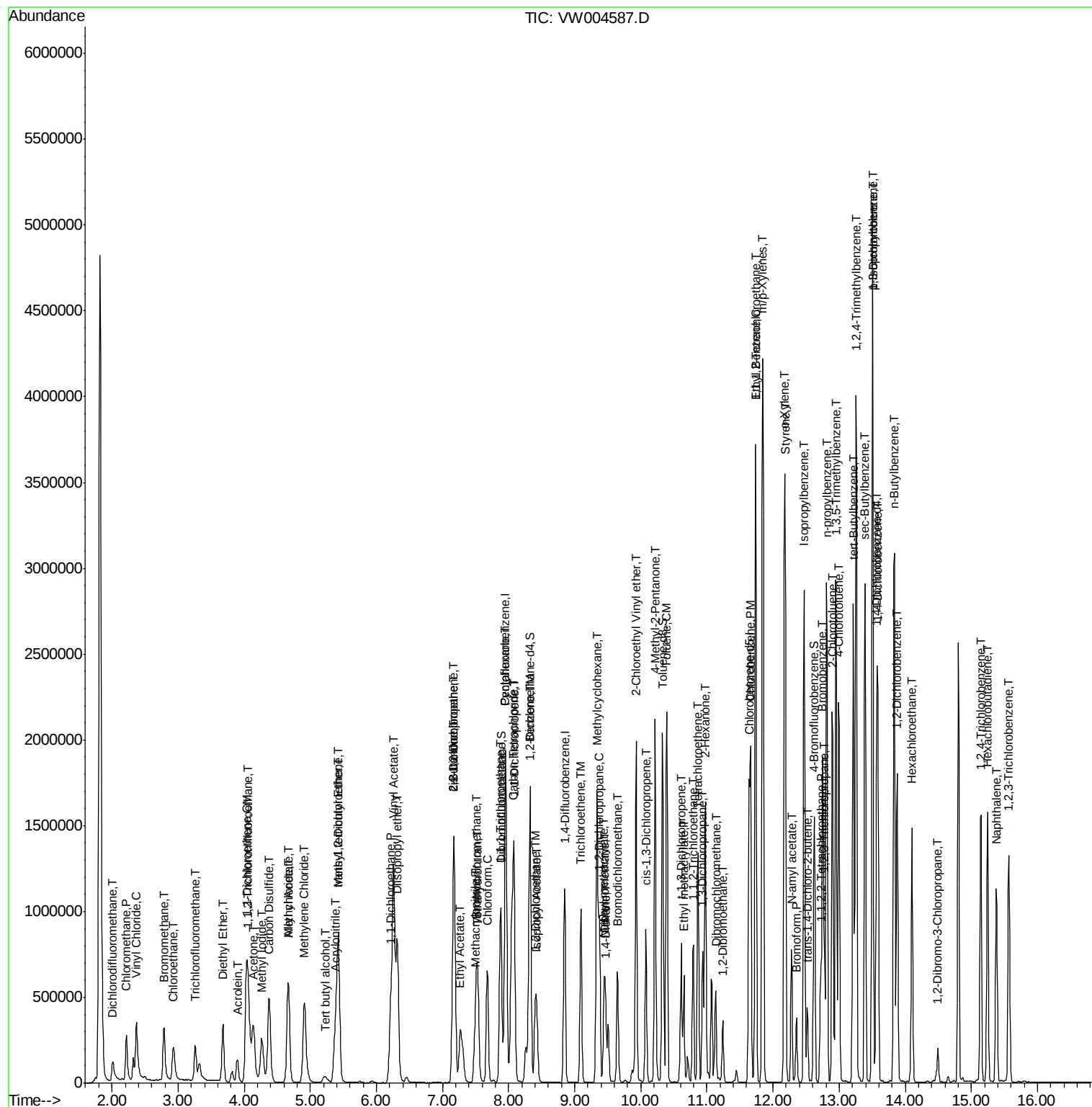
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	529013	51.332	ug/l	99
94) Hexachlorobutadiene	15.25	225	326977	54.488	ug/l	99
95) Naphthalene	15.38	128	959850	45.414	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	471000	50.858	ug/l	99

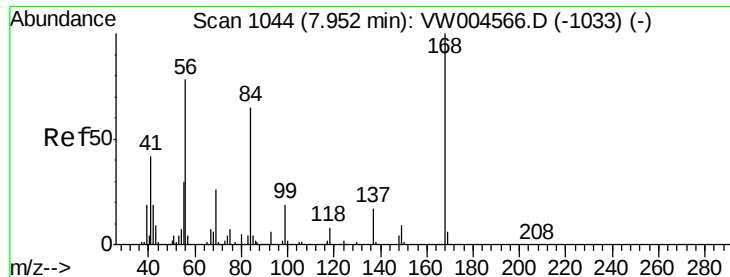
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

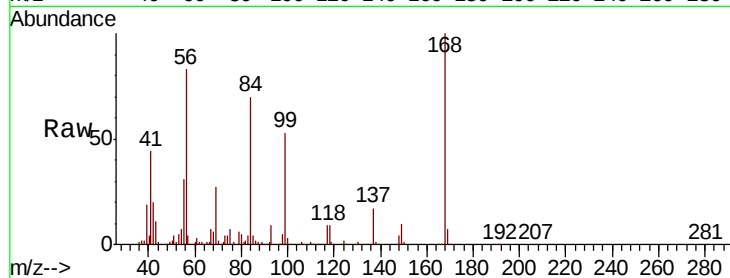
Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:168 Resp: 649469

Ion Ratio Lower Upper

168 100

99 53.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW004566.D (-1033) (-)

Ion 98.90 (98.60 to 99.60): VW004566.D (-1033) (-)

7.95

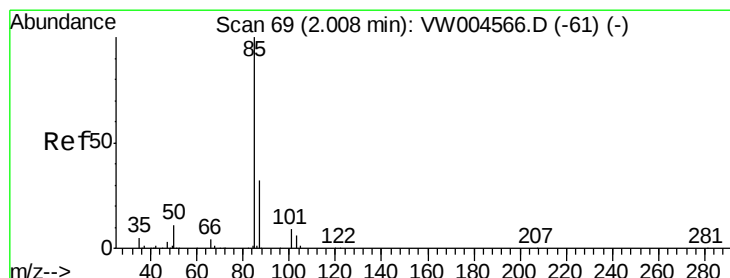
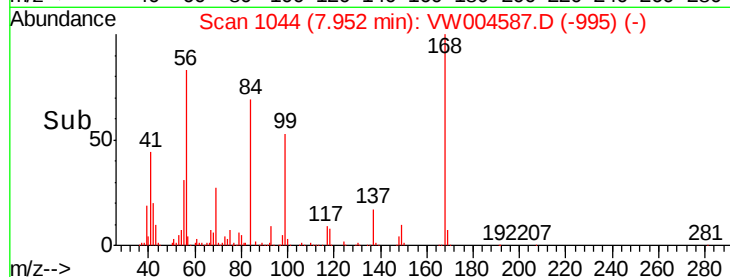
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.738 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004587.D

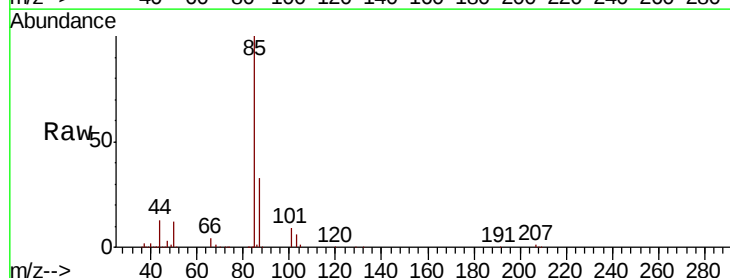
Acq: 10 Aug 2018 10:36

Tgt Ion: 85 Resp: 230598

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW004566.D (-61) (-)

Ion 86.90 (86.60 to 87.60): VW004566.D (-61) (-)

2.01

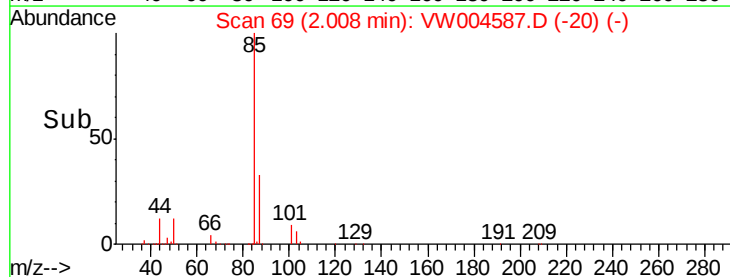
60000

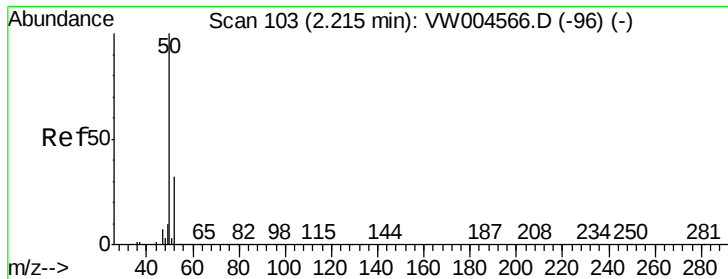
40000

20000

0

Time-->





#3

Chloromethane

Concen: 53.231 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

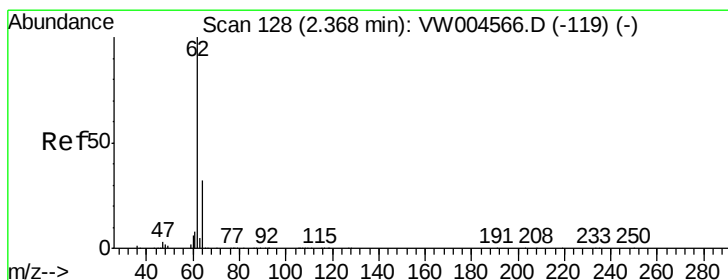
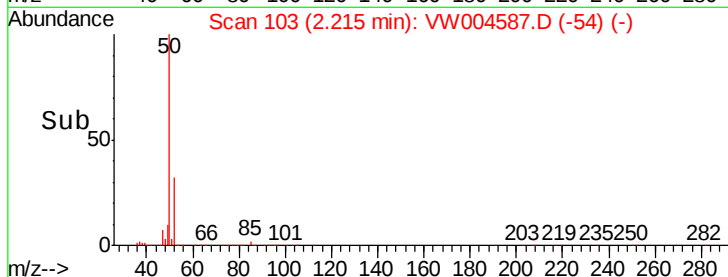
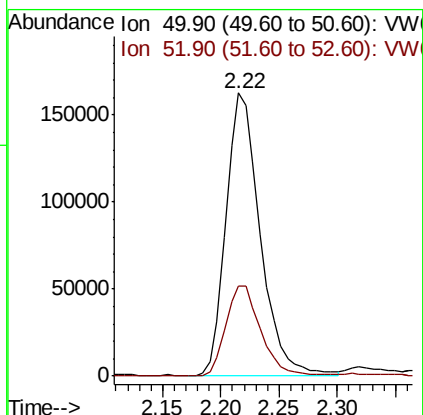
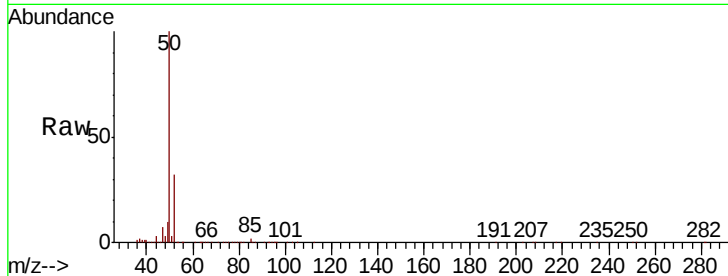
ClientSampleId :

Tgt Ion: 50 Resp: 330529

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.8



#4

Vinyl Chloride

Concen: 51.645 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004587.D

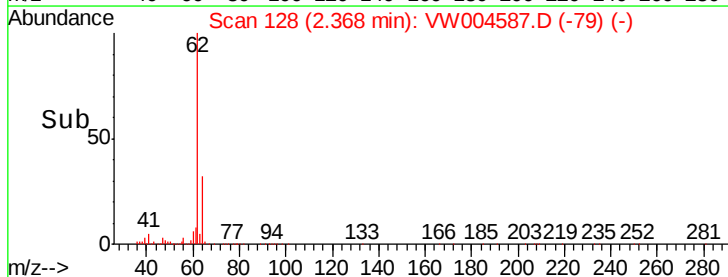
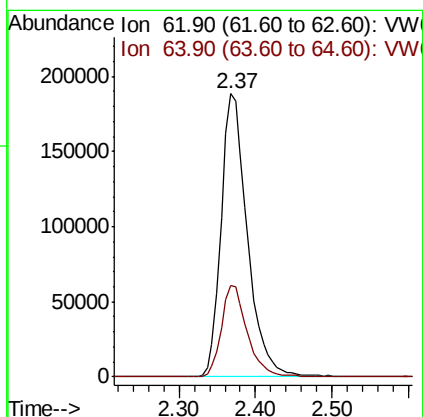
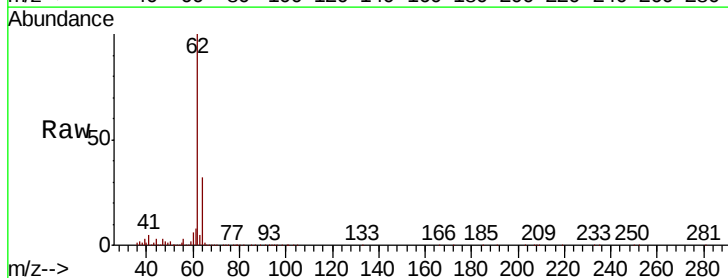
Acq: 10 Aug 2018 10:36

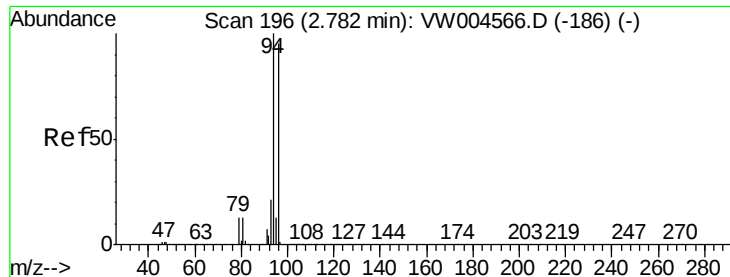
Tgt Ion: 62 Resp: 447971

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 52.019 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

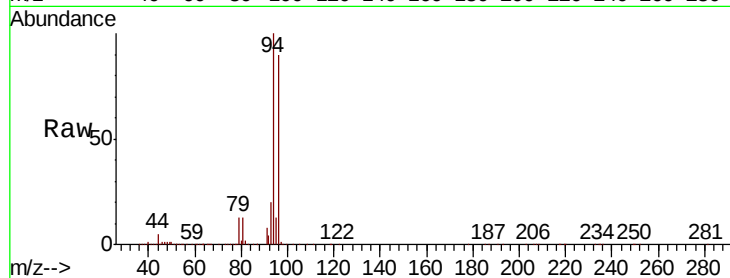
ClientSampleId :

Tgt Ion: 94 Resp: 262729

Ion Ratio Lower Upper

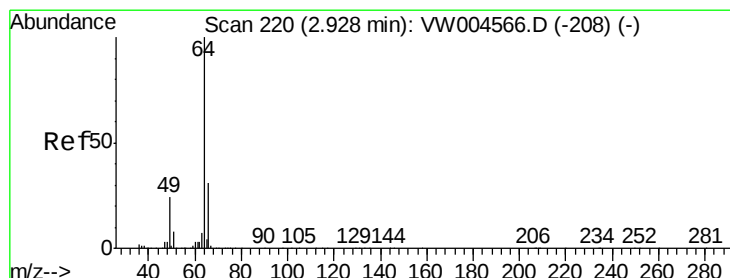
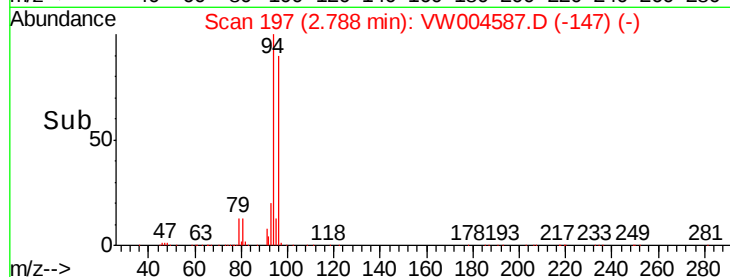
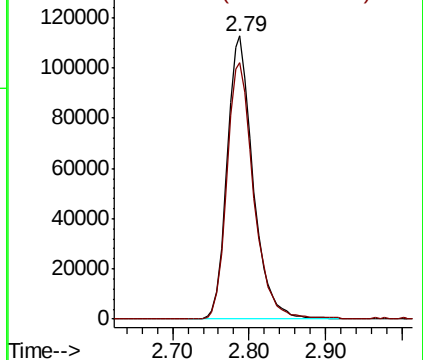
94 100

96 90.2 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 51.881 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004587.D

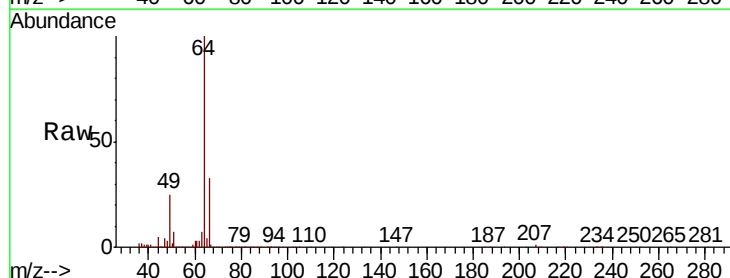
Acq: 10 Aug 2018 10:36

Tgt Ion: 64 Resp: 268902

Ion Ratio Lower Upper

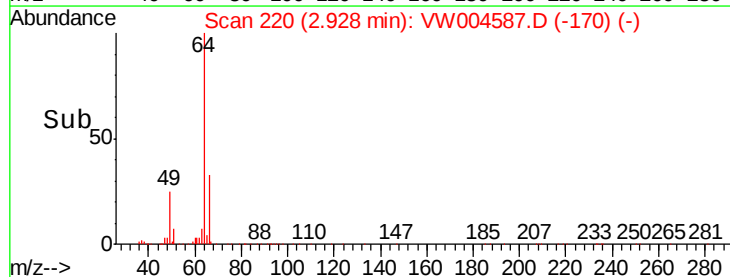
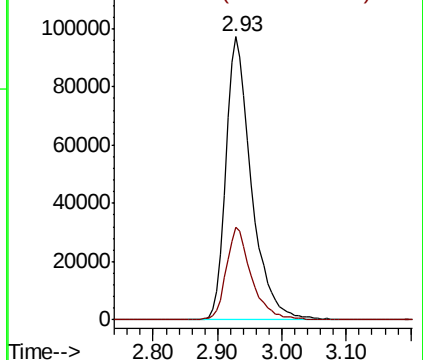
64 100

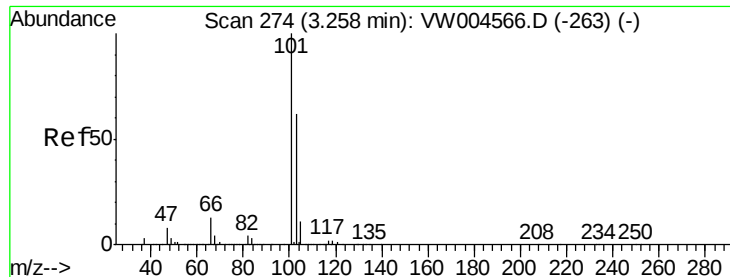
66 32.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



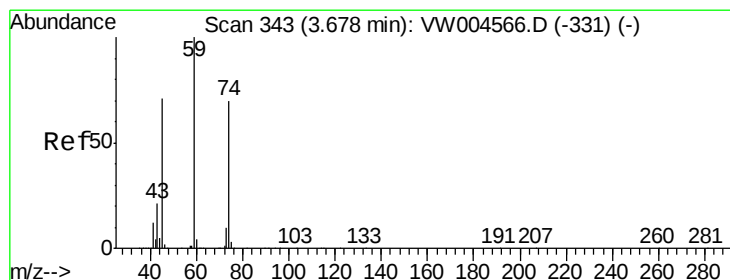
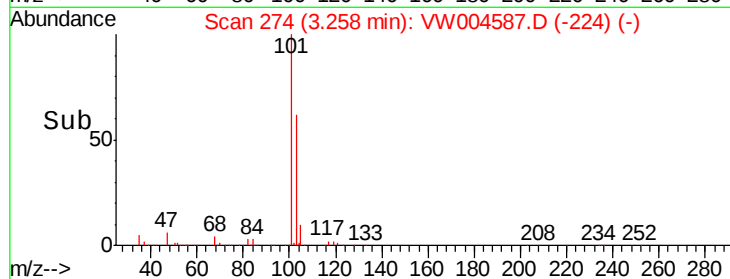
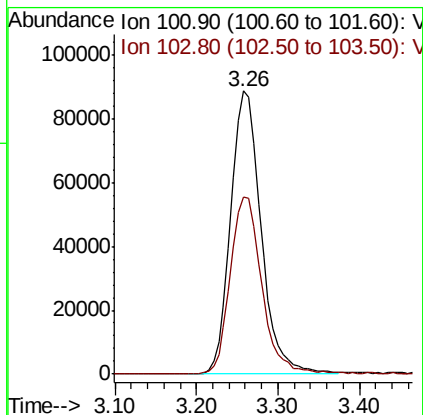
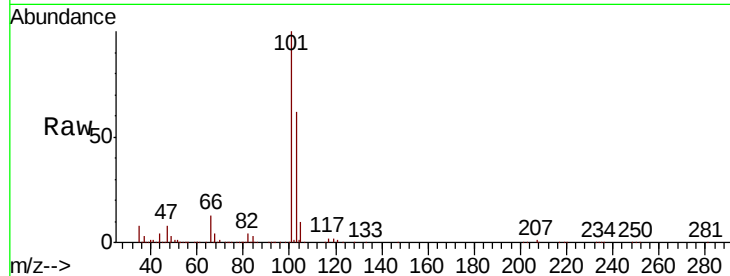


#7

Trichlorofluoromethane
Concen: 71.503 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_W
ClientSampled :

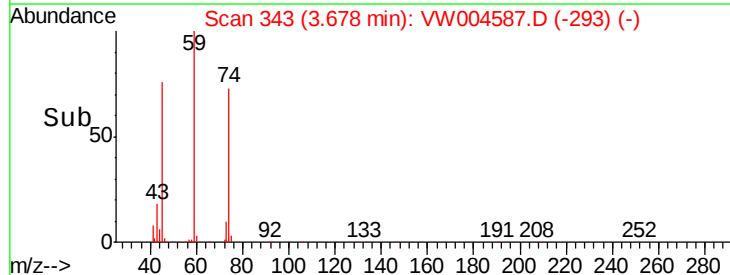
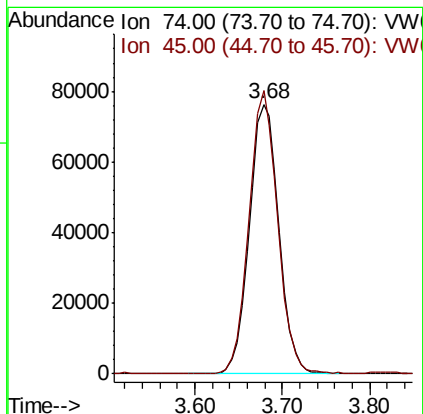
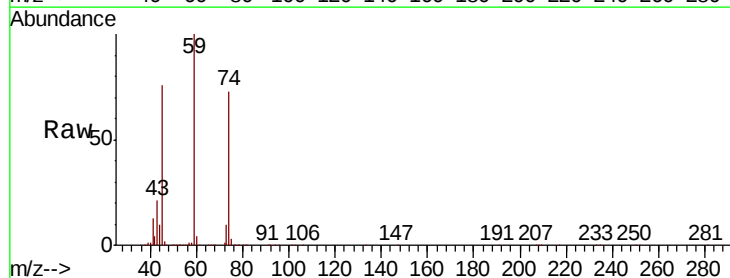
Tgt Ion: 101 Resp: 229072
Ion Ratio Lower Upper
101 100
103 62.5 49.8 74.8

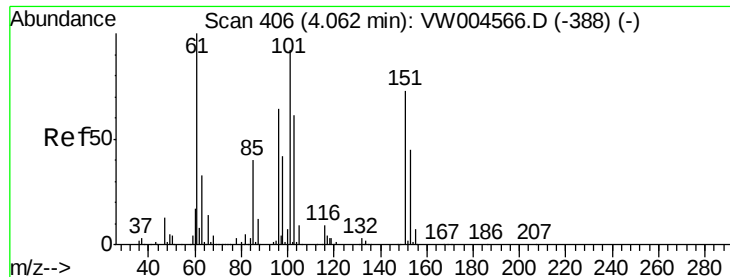


#8

Diethyl Ether
Concen: 43.866 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 74 Resp: 177776
Ion Ratio Lower Upper
74 100
45 101.1 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.427 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

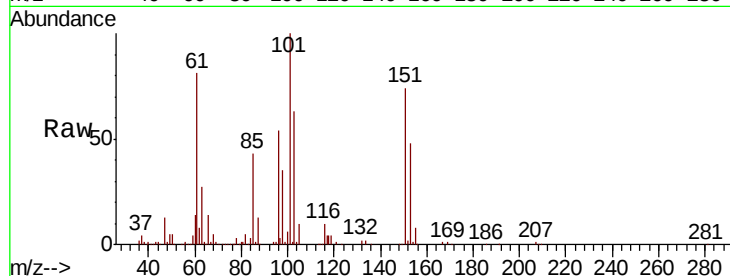
Tgt Ion:101 Resp: 370981

Ion Ratio Lower Upper

101 100

85 43.0 34.6 51.8

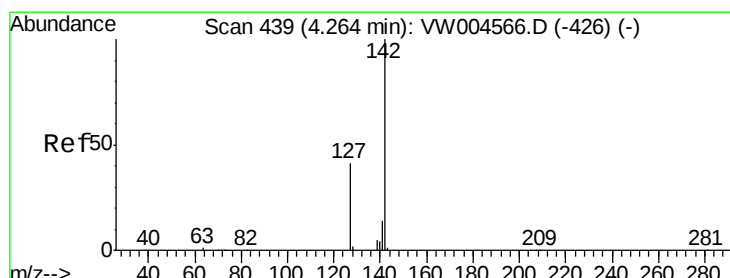
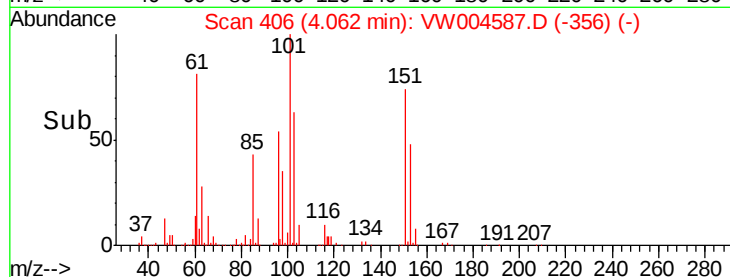
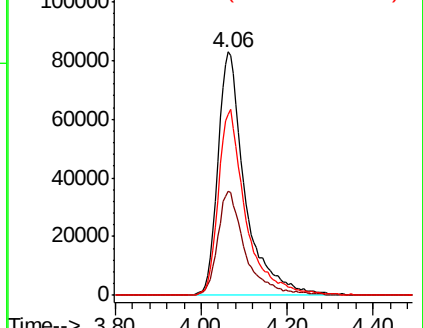
151 76.7 61.3 91.9



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: 49.431 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

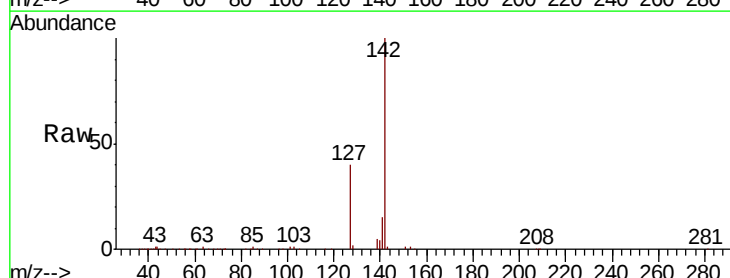
Tgt Ion:142 Resp: 524781

Ion Ratio Lower Upper

142 100

127 41.0 32.7 49.1

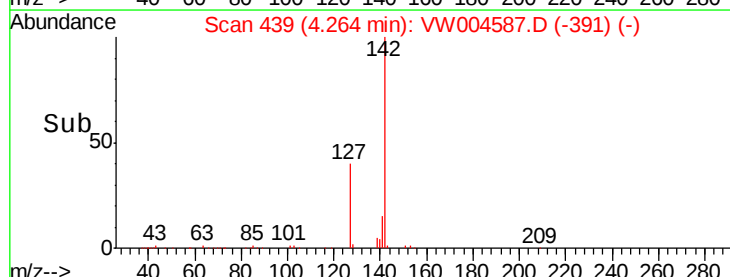
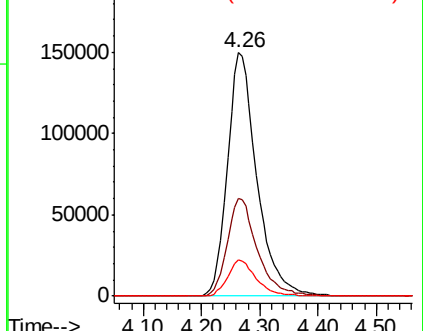
141 14.6 11.5 17.3

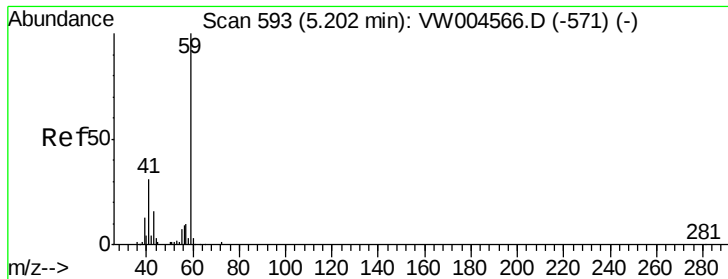


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

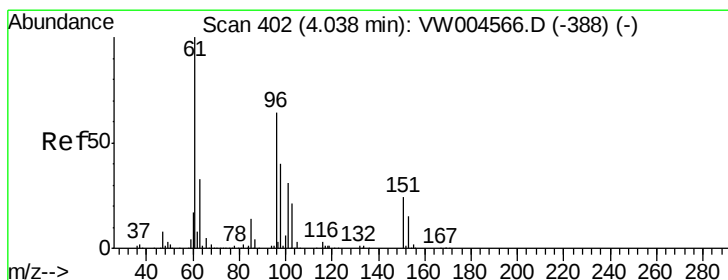
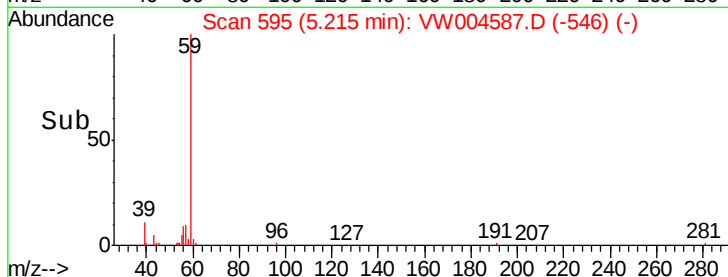
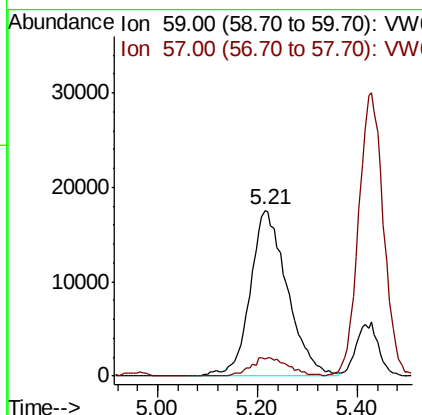
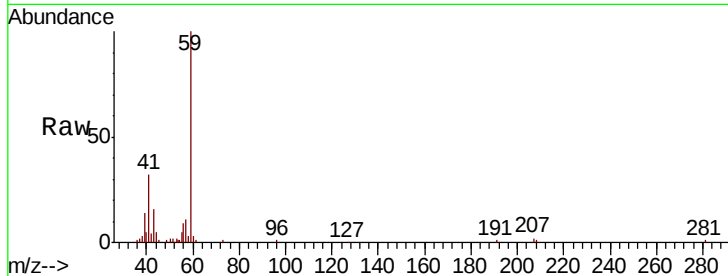




#11
Tert butyl alcohol
Concen: 215.413 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

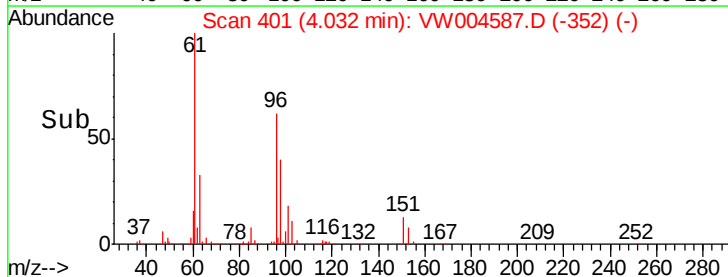
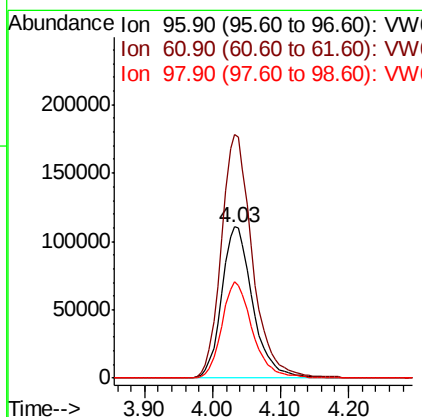
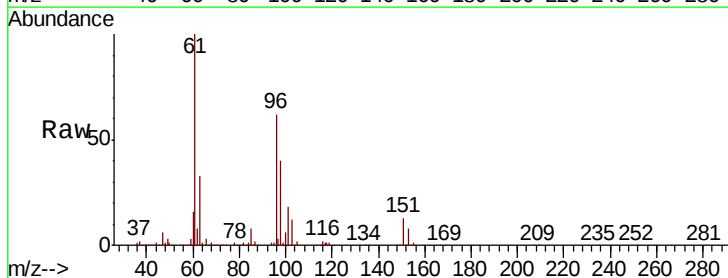
Instrument :
MSVOA_W
ClientSampleId :

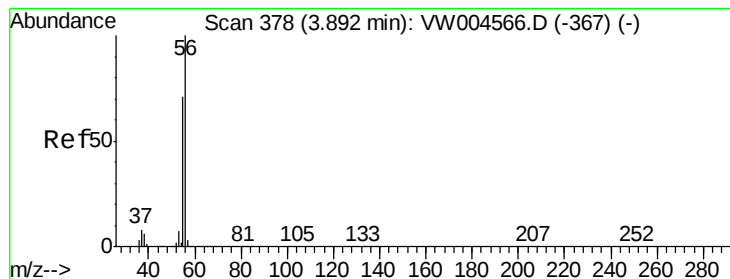
Tgt Ion: 59 Resp: 90679
Ion Ratio Lower Upper
59 100
57 4.7 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 48.926 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 96 Resp: 348458
Ion Ratio Lower Upper
96 100
61 161.4 130.6 195.8
98 64.0 49.6 74.4





#13

Acrolein

Concen: 323.647 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

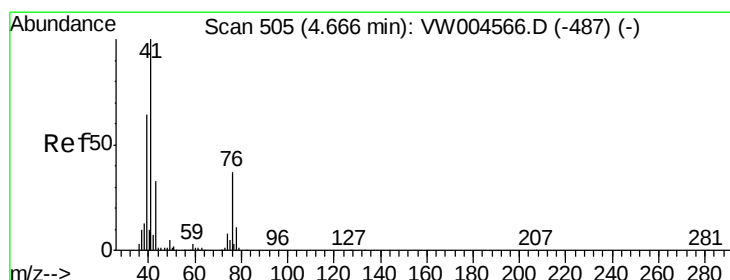
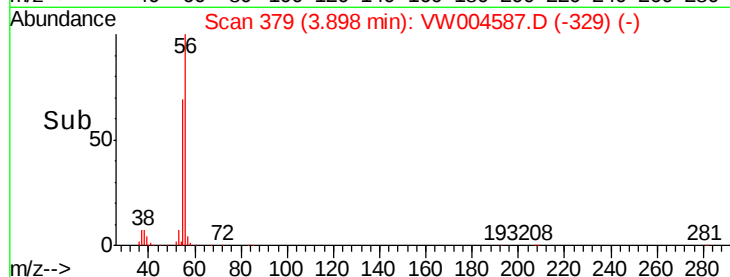
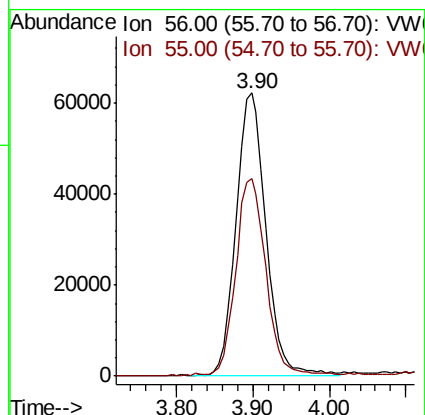
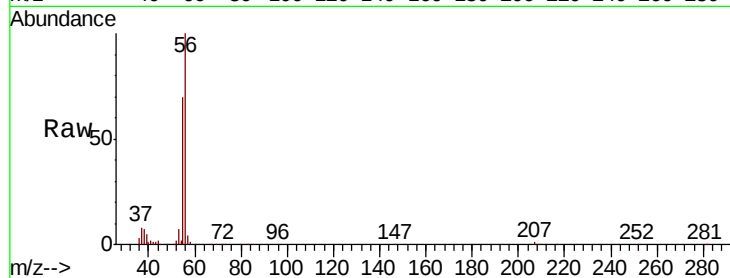
Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 56 Resp: 166928

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 50.267 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

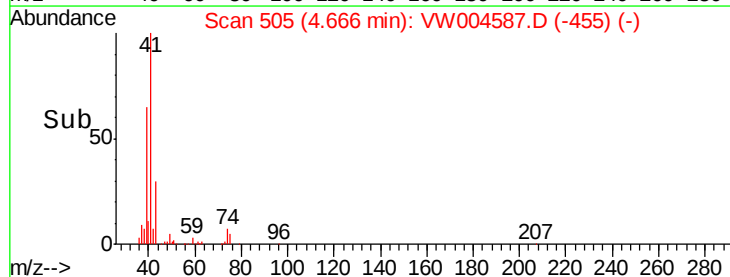
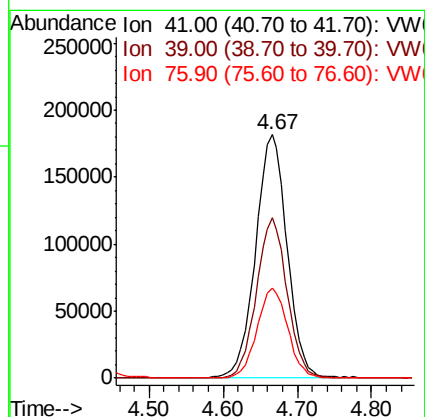
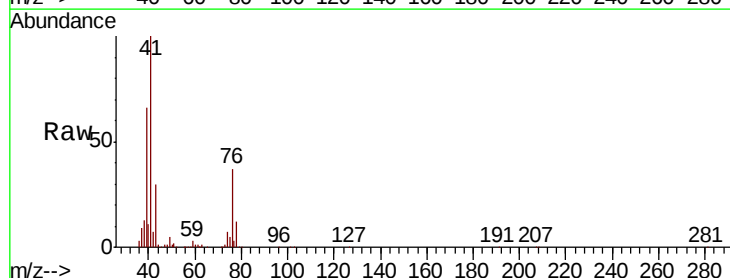
Tgt Ion: 41 Resp: 537891

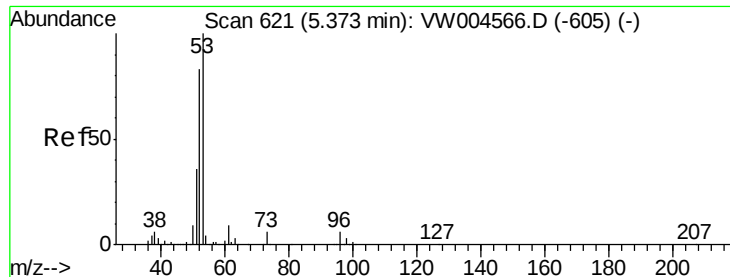
Ion Ratio Lower Upper

41 100

39 64.0 51.9 77.9

76 36.0 29.0 43.6





#15

Acrylonitrile

Concen: 220.719 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

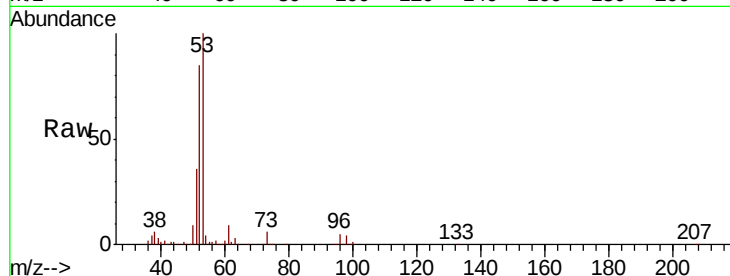
Tgt Ion: 53 Resp: 397509

Ion Ratio Lower Upper

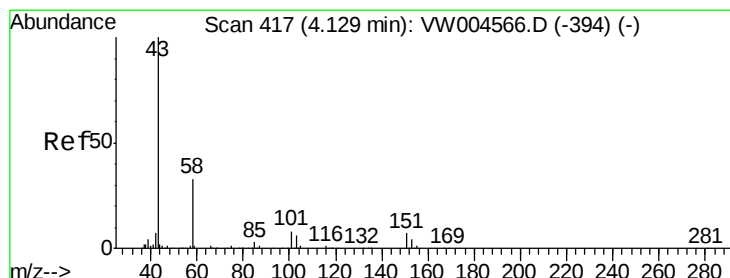
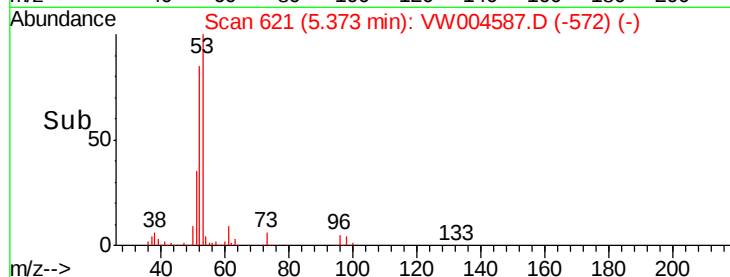
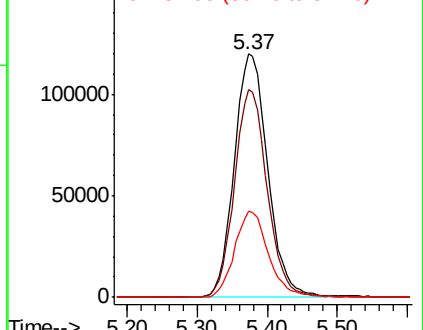
53 100

52 83.9 66.5 99.7

51 35.9 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 299.300 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004587.D

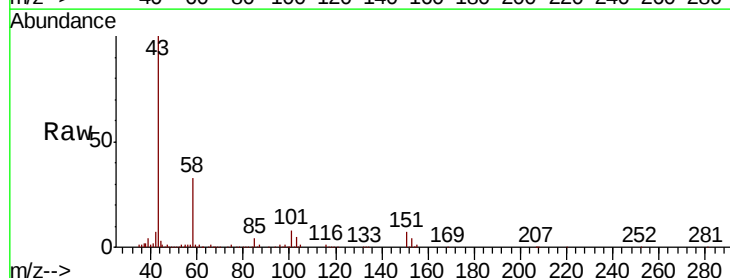
Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 537376

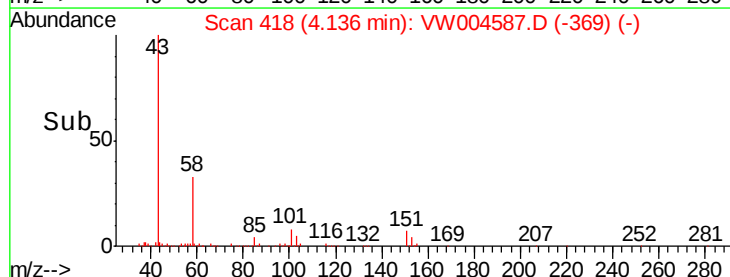
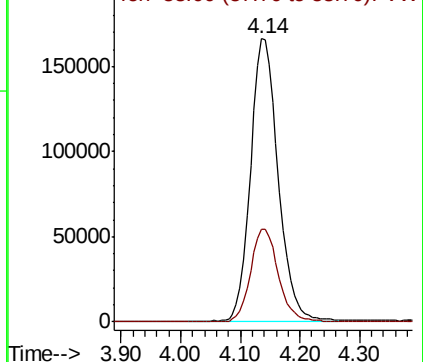
Ion Ratio Lower Upper

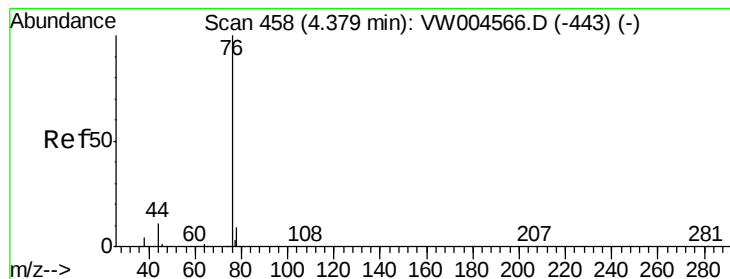
43 100

58 32.7 26.8 40.2



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





#17

Carbon Disulfide

Concen: 51.399 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

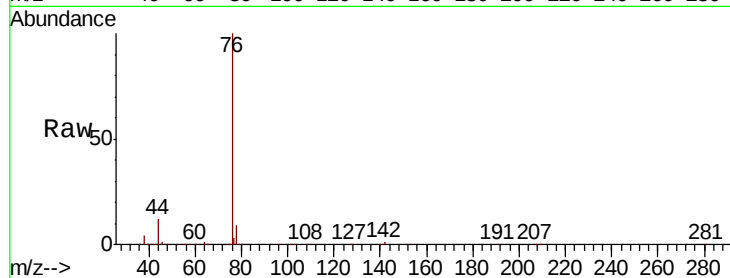
ClientSampleId :

Tgt Ion: 76 Resp: 1176470

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

400000

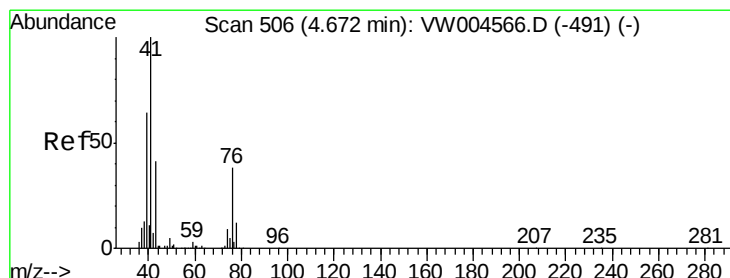
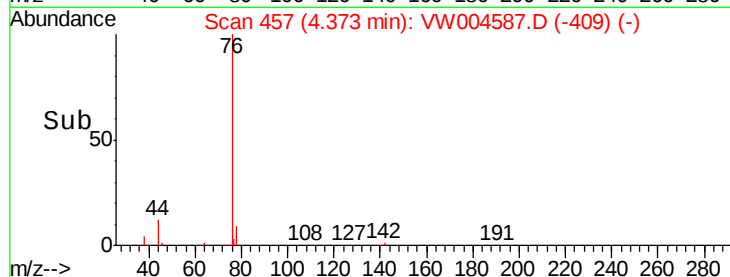
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.939 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004587.D

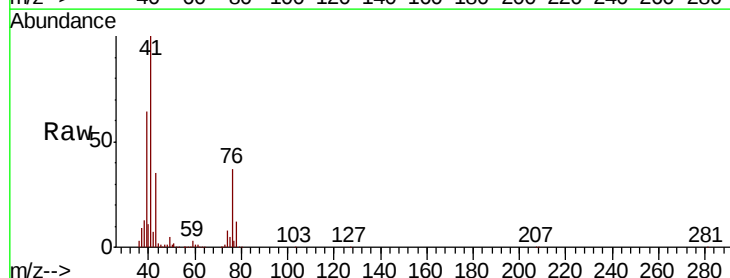
Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 187762

Ion Ratio Lower Upper

43 100

74 24.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

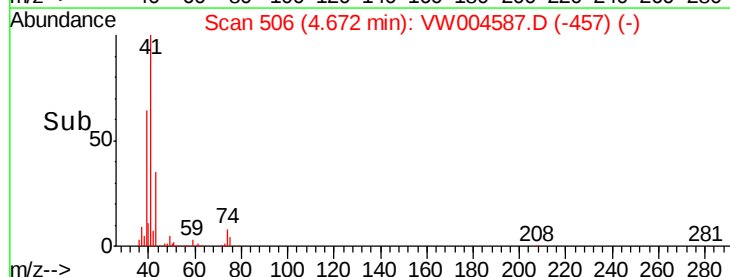
60000

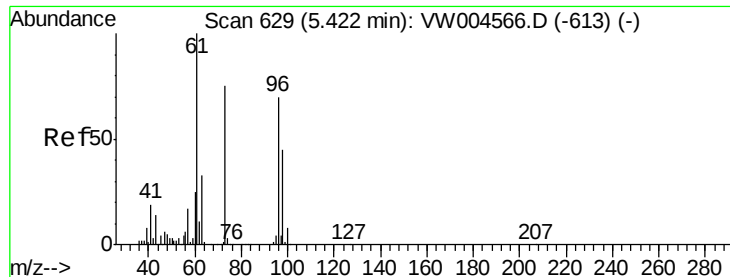
40000

20000

0

Time-->



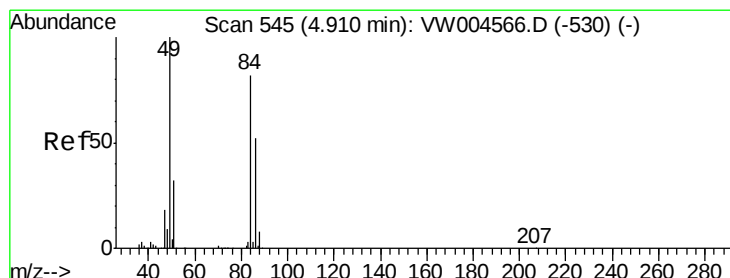
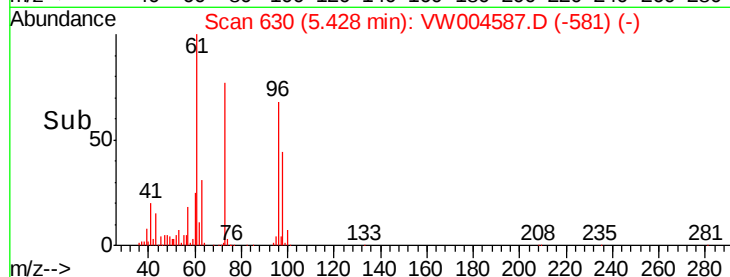
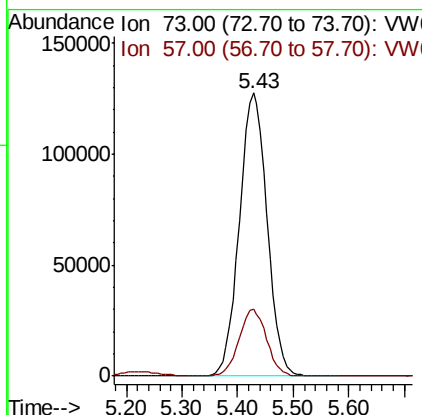
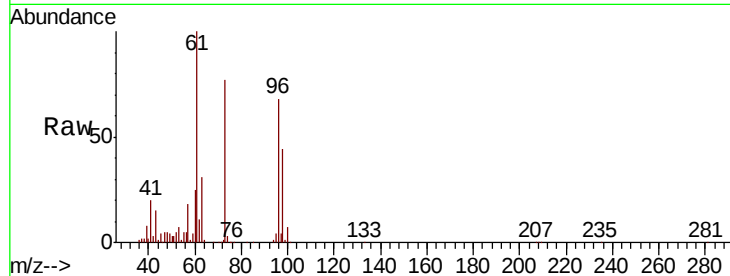


#19

Methyl tert-butyl Ether
 Concen: 45.488 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_W
 ClientSampled :

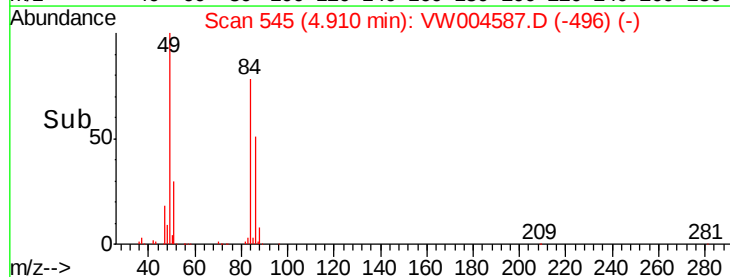
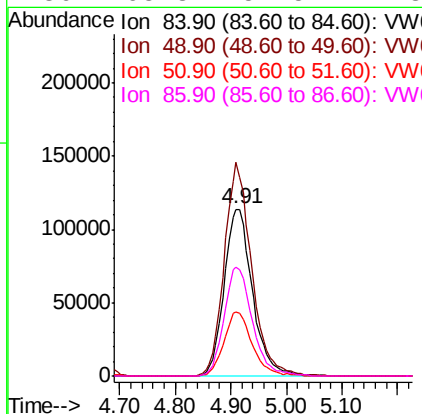
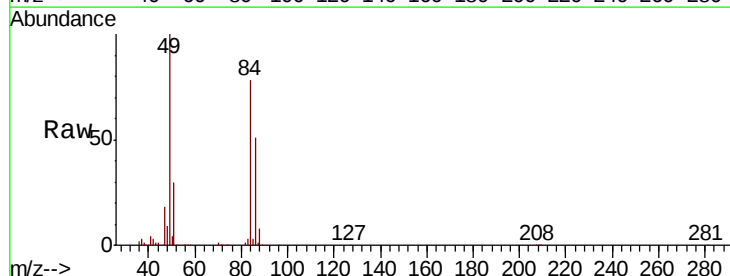
Tgt Ion: 73 Resp: 441914
 Ion Ratio Lower Upper
 73 100
 57 23.5 19.6 29.4

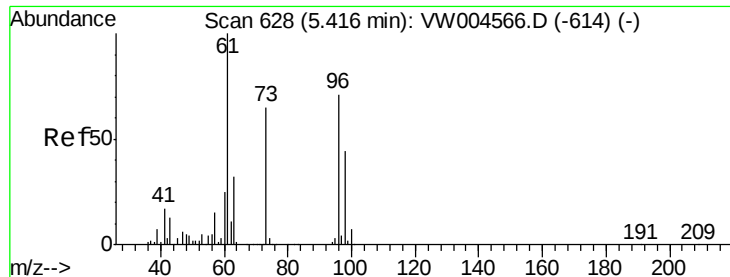


#20

Methylene Chloride
 Concen: 44.660 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 84 Resp: 399916
 Ion Ratio Lower Upper
 84 100
 49 128.1 99.6 149.4
 51 38.5 31.0 46.4
 86 65.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.445 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampled :

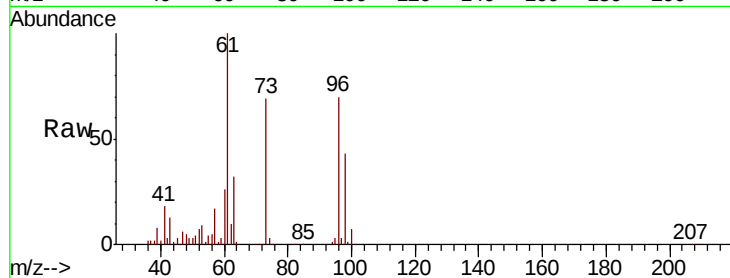
Tgt Ion: 96 Resp: 371832

Ion Ratio Lower Upper

96 100

61 142.1 114.1 171.1

98 61.7 51.4 77.2

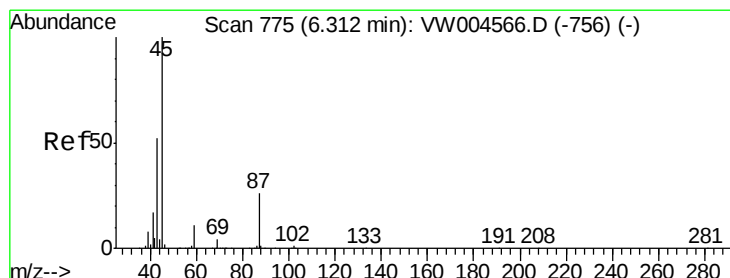
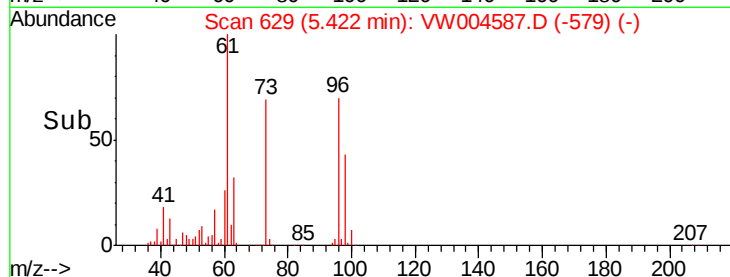
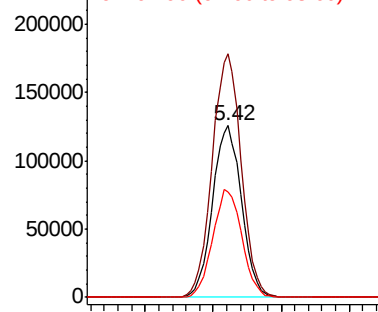


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.641 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 45 Resp: 1091626

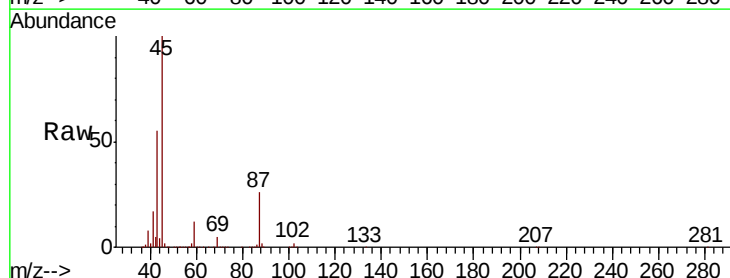
Ion Ratio Lower Upper

45 100

43 54.2 42.4 63.6

87 26.4 21.6 32.4

59 11.7 9.6 14.4



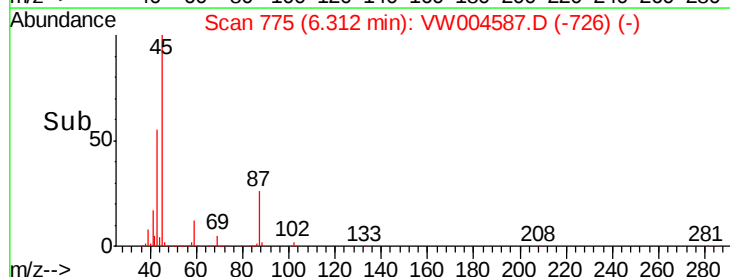
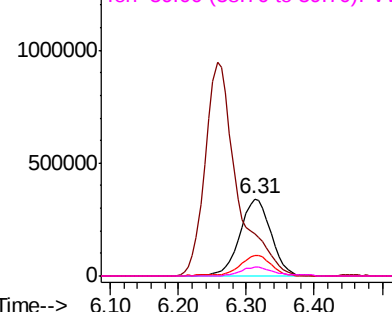
Abundance

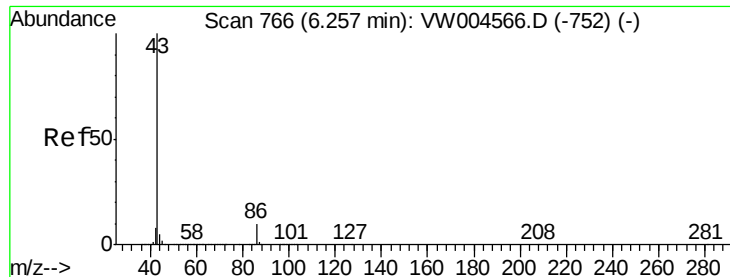
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 232.416 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

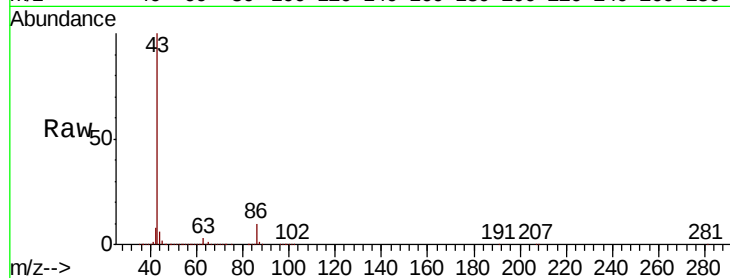
ClientSampleId :

Tgt Ion: 43 Resp: 3071652

Ion Ratio Lower Upper

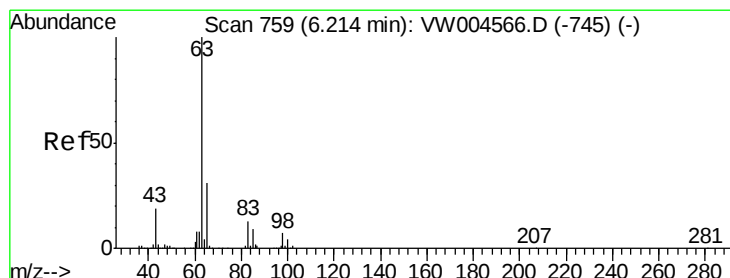
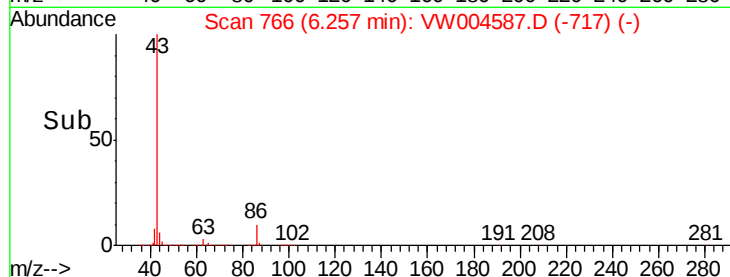
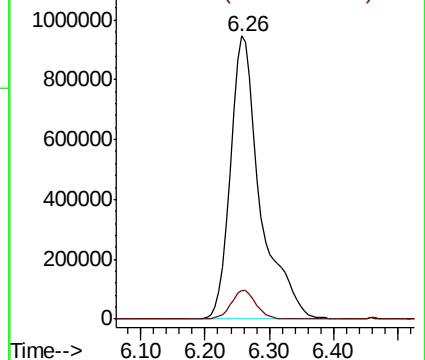
43 100

86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.221 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

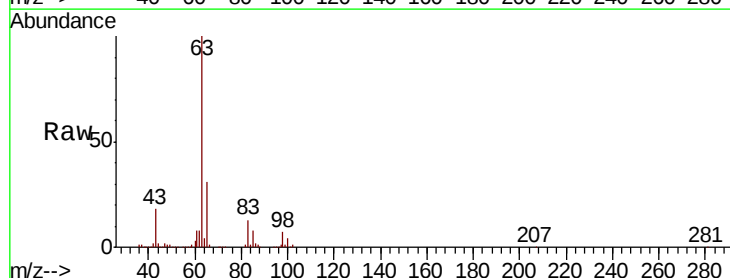
Tgt Ion: 63 Resp: 664654

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.3

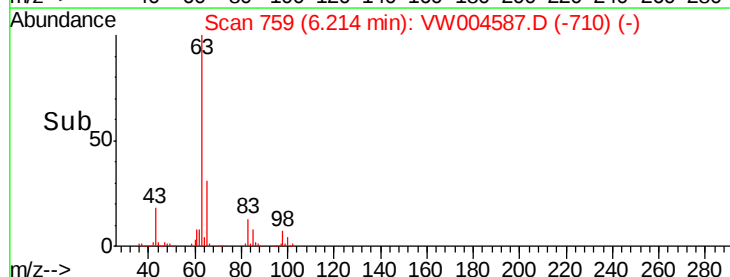
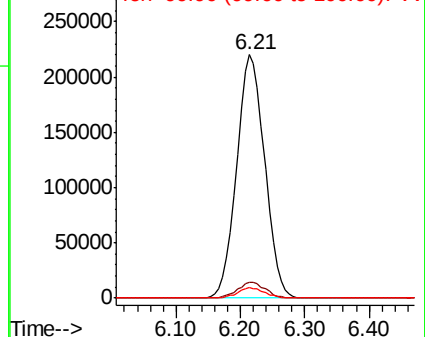
100 4.3 2.1 6.5

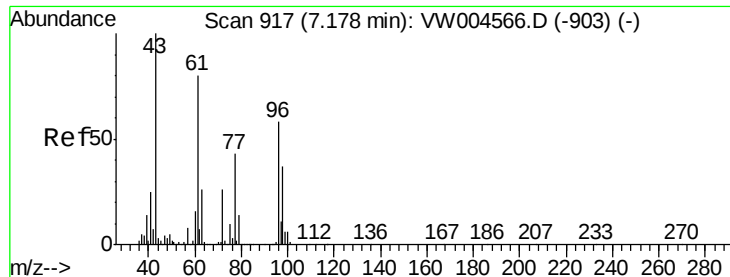


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 231.003 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

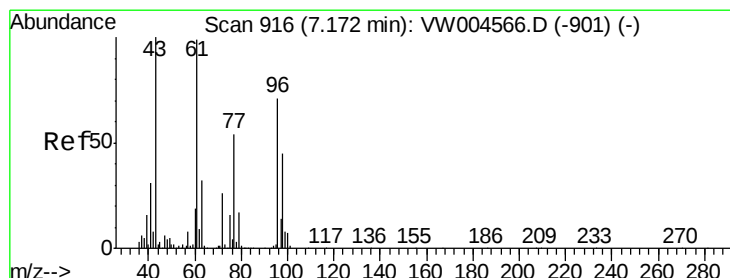
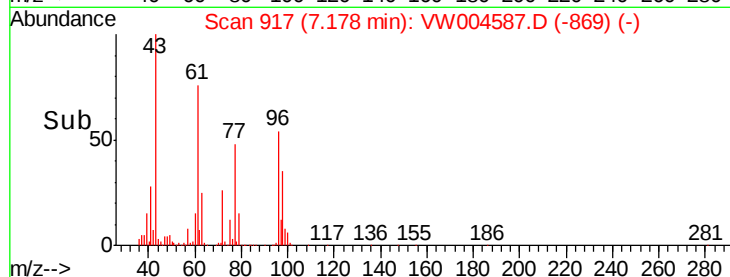
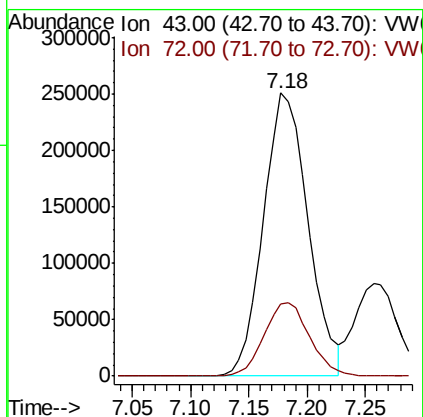
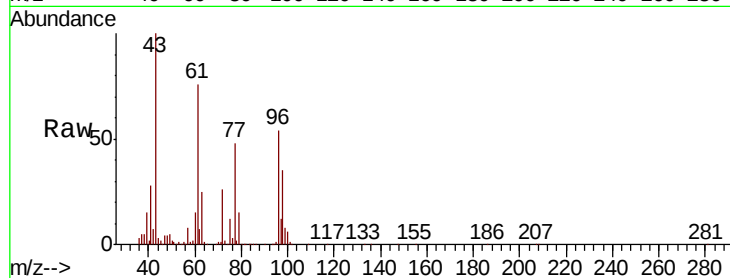
ClientSampled :

Tgt Ion: 43 Resp: 667164

Ion Ratio Lower Upper

43 100

72 25.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 53.541 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004587.D

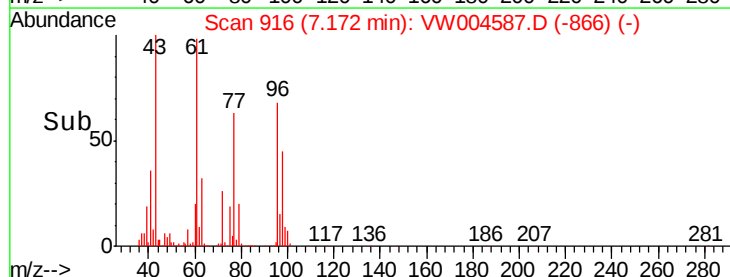
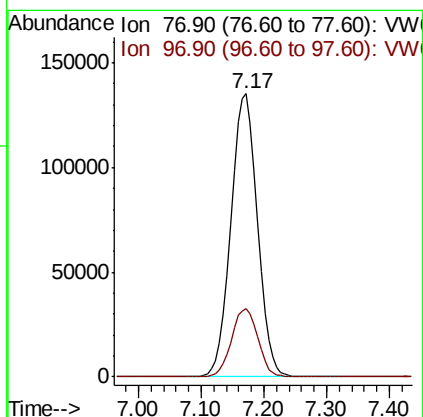
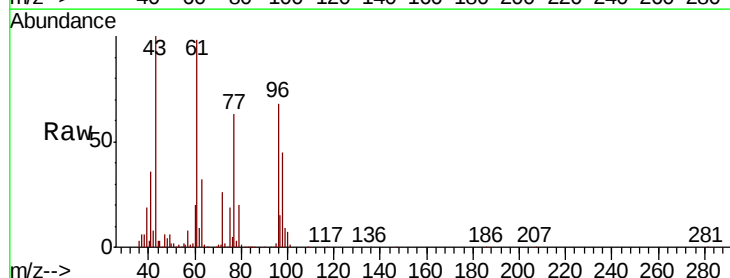
Acq: 10 Aug 2018 10:36

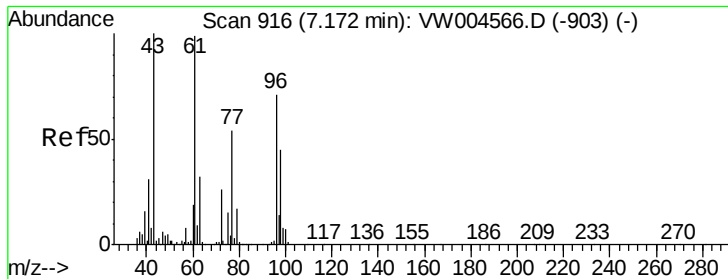
Tgt Ion: 77 Resp: 395535

Ion Ratio Lower Upper

77 100

97 24.0 12.5 37.5



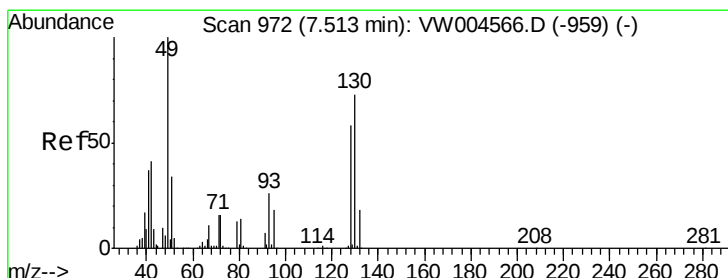
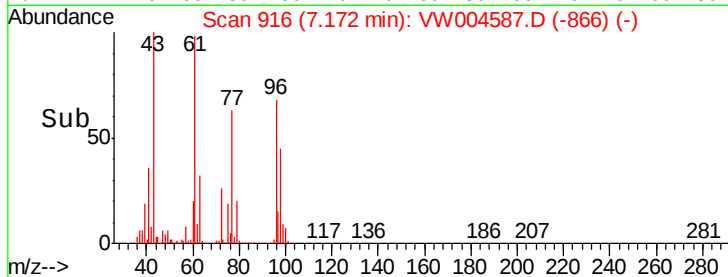
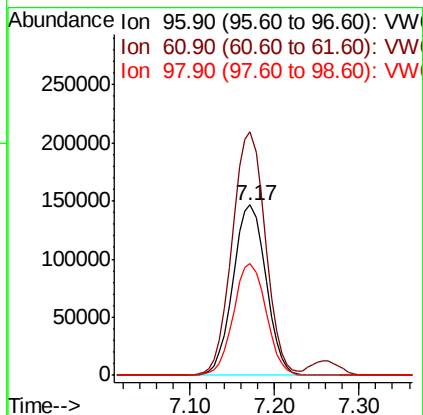
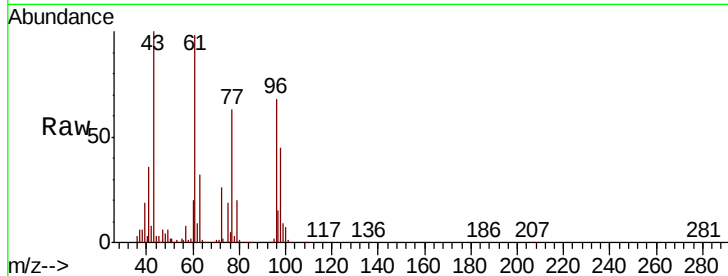


#27

cis-1,2-Dichloroethene
 Concen: 47.153 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_W
 ClientSampled :

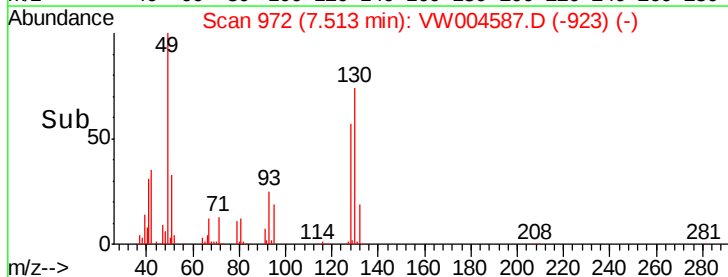
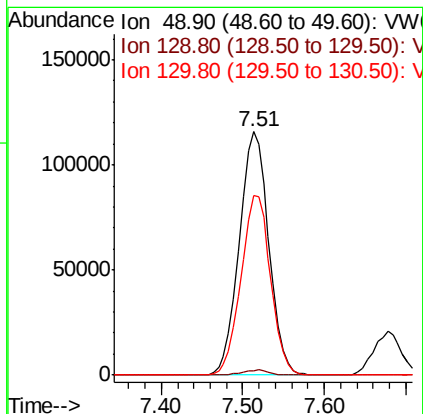
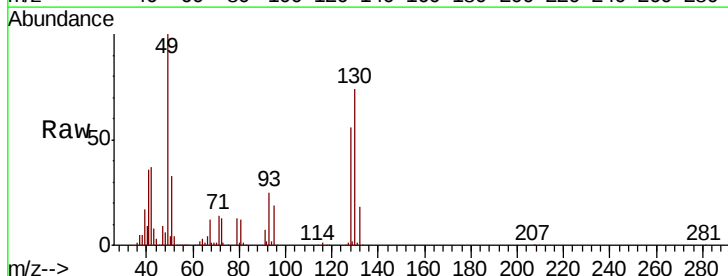
Tgt Ion	Resp	Lower	Upper
96	389381		
96	100		
61	143.9	0.0	285.0
98	65.2	0.0	128.6

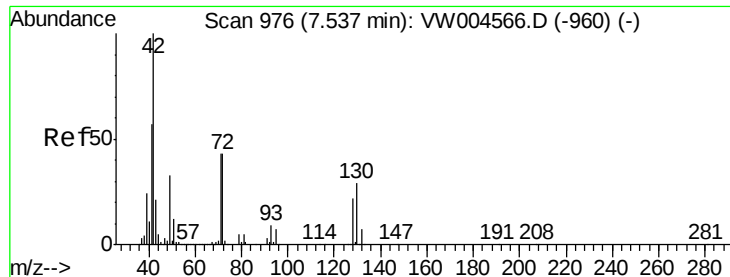


#28

Bromochloromethane
 Concen: 47.470 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion	Resp	Lower	Upper
49	290714		
49	100		
129	2.0	0.0	4.0
130	73.9	58.8	88.2

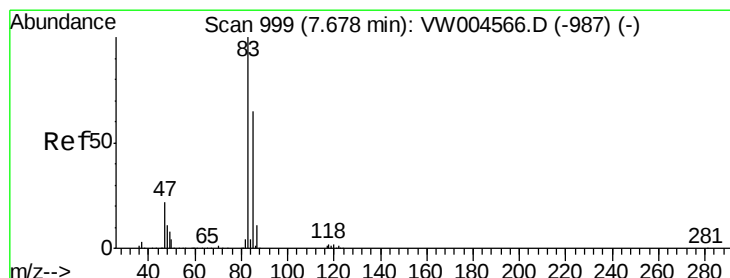
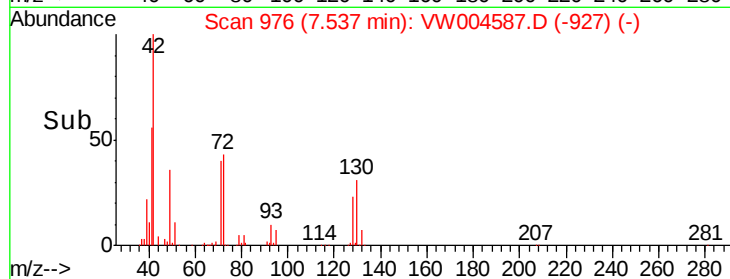
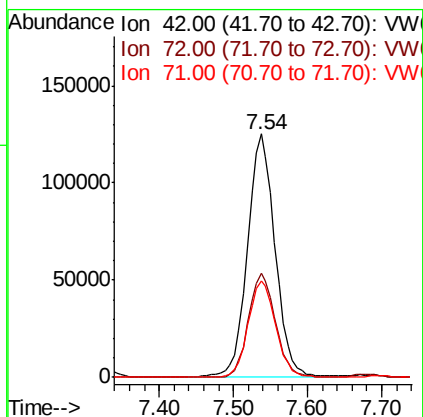
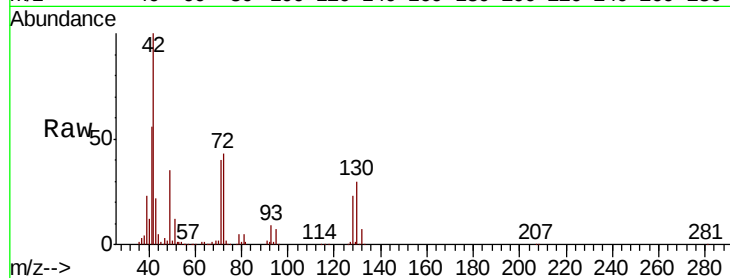




#29
Tetrahydrofuran
Concen: 217.035 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

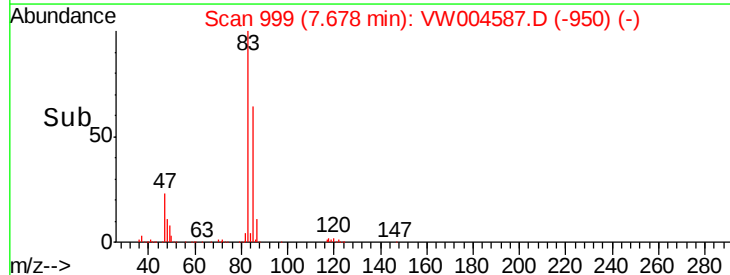
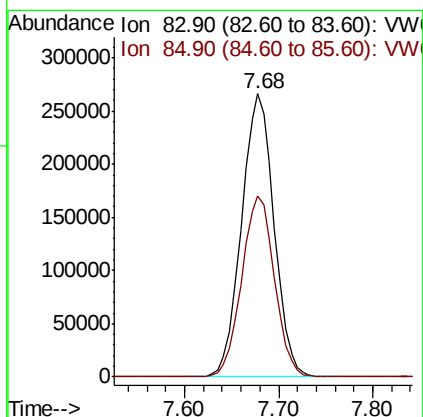
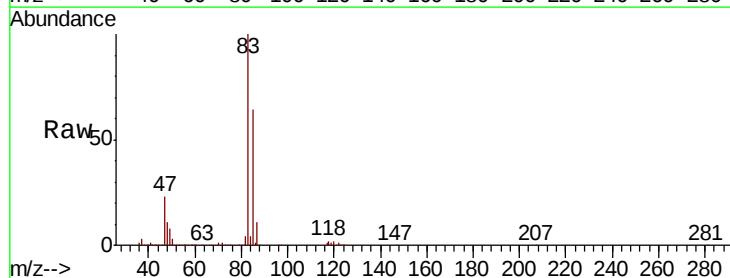
Instrument :
MSVOA_W
ClientSampleId :

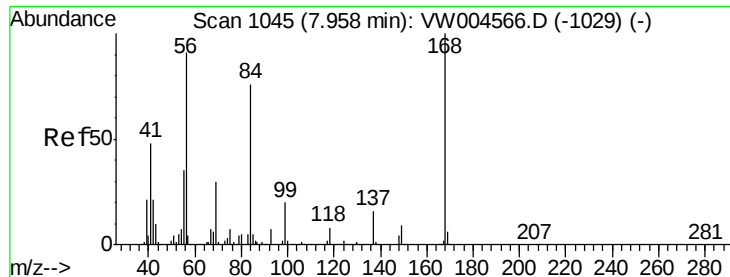
Tgt Ion: 42 Resp: 324051
Ion Ratio Lower Upper
42 100
72 42.2 34.1 51.1
71 39.6 32.5 48.7



#30
Chloroform
Concen: 46.360 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 83 Resp: 640933
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9

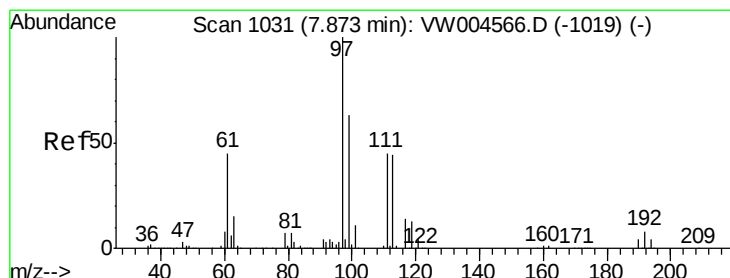
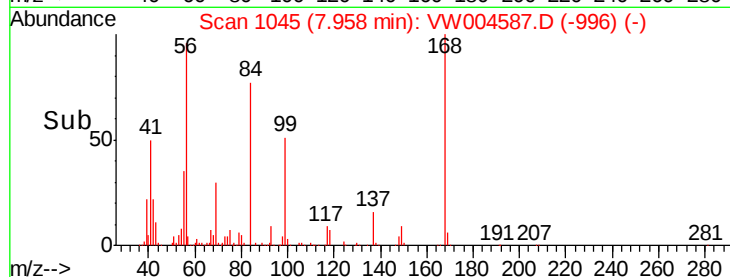
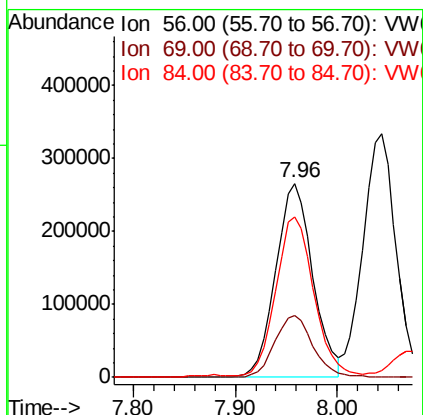
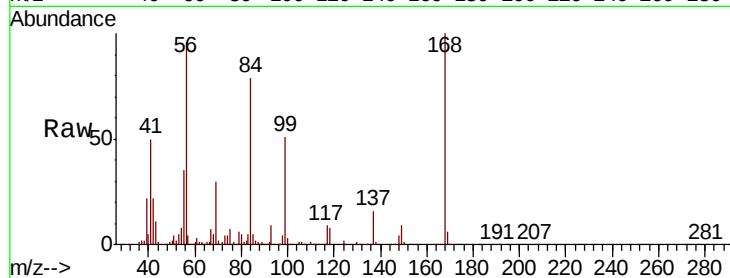




#31
Cyclohexane
Concen: 49.680 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

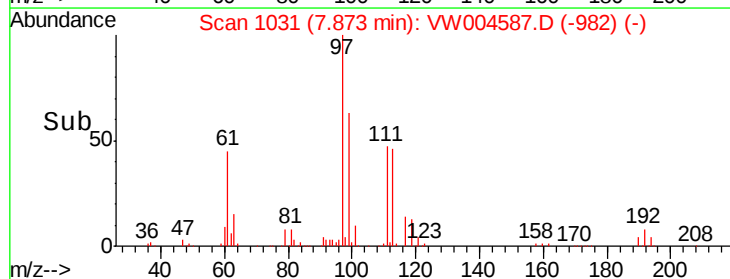
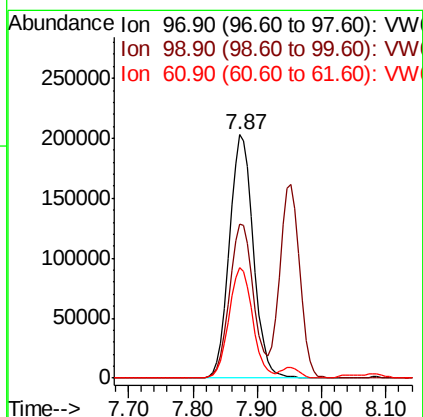
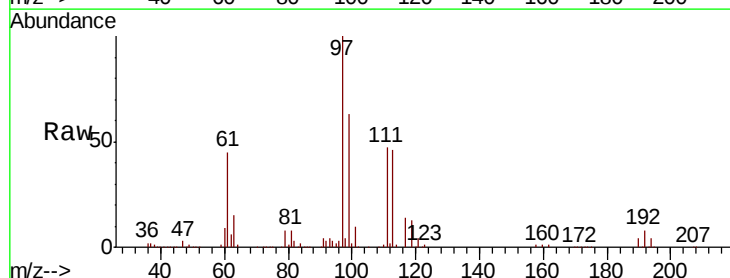
Instrument :
MSVOA_W
ClientSampled :

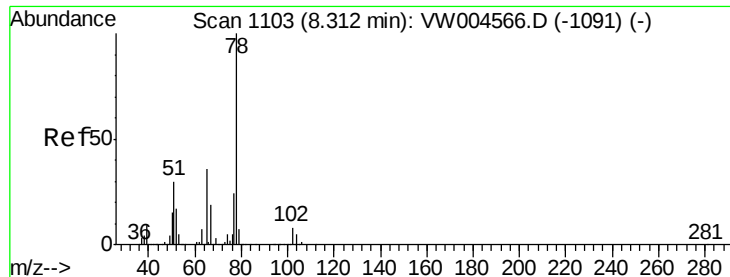
Tgt Ion: 56 Resp: 669067
Ion Ratio Lower Upper
56 100
69 31.9 26.4 39.6
84 81.9 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 51.170 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 97 Resp: 531393
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 45.0 35.7 53.5

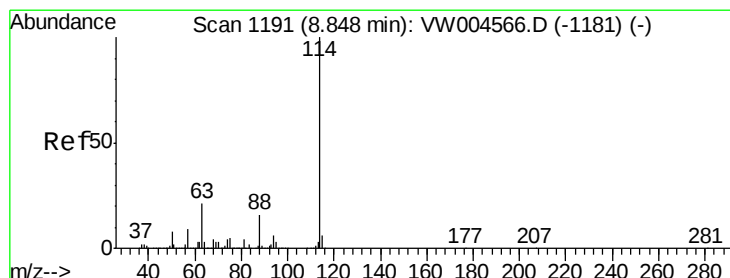
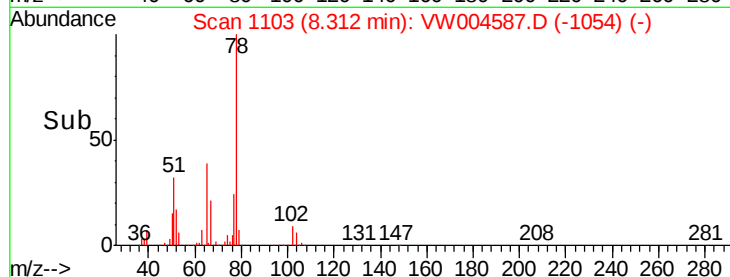
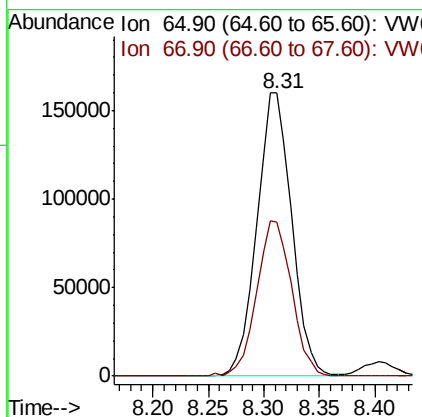
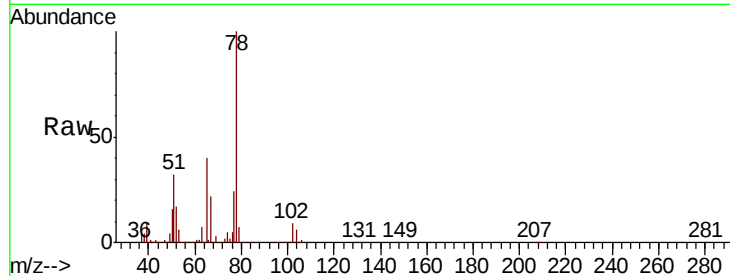




#33
 1,2-Dichloroethane-d4
 Concen: 48.524 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

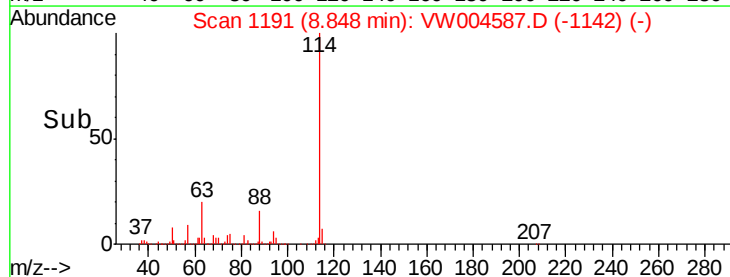
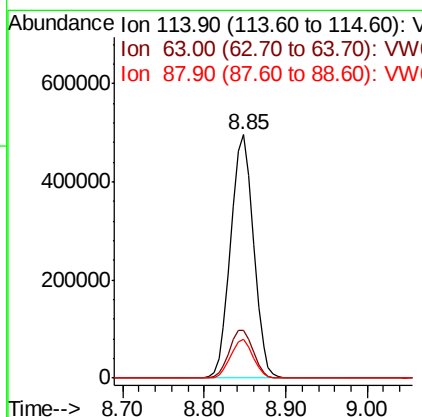
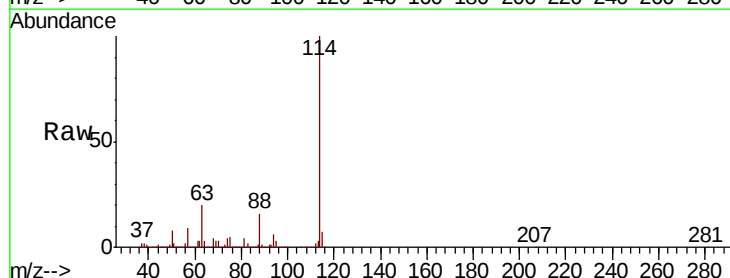
Instrument :
 MSVOA_W
 ClientSampleId :

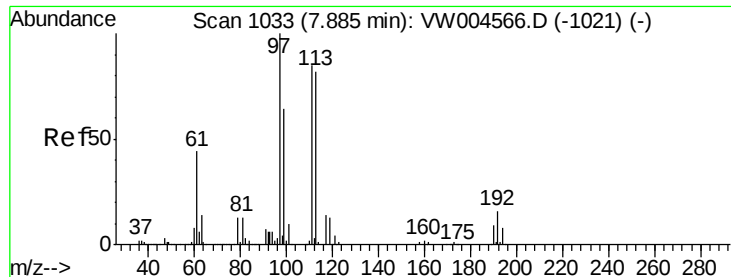
Tgt Ion: 65 Resp: 348863
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 114 Resp: 954211
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.9 0.0 31.2

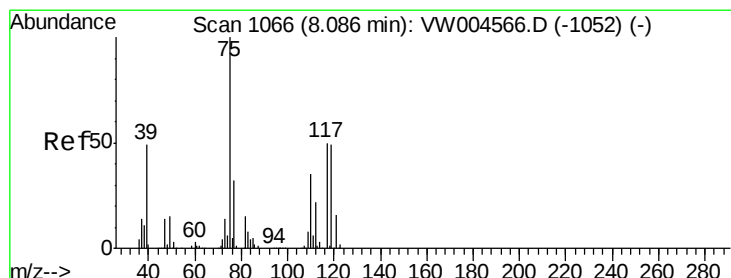
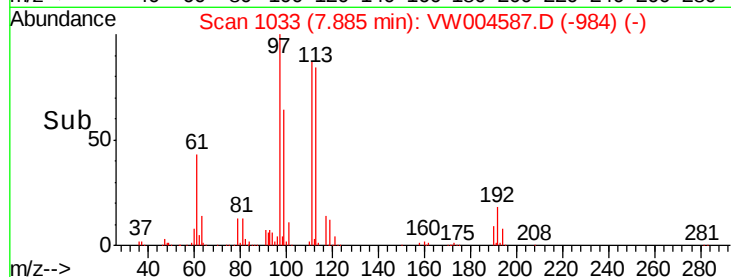
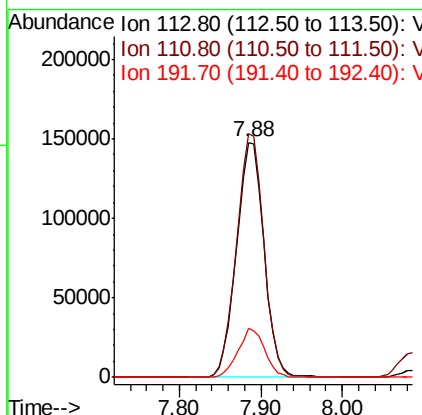
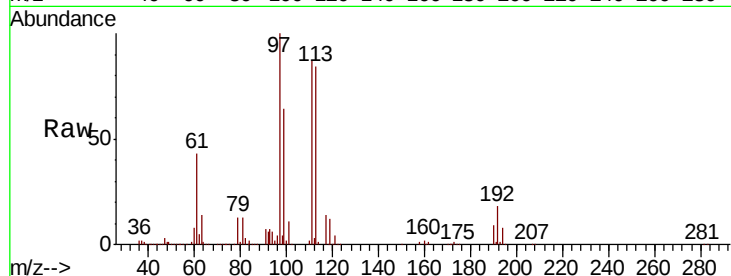




#35
 Dibromofluoromethane
 Concen: 54.033 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

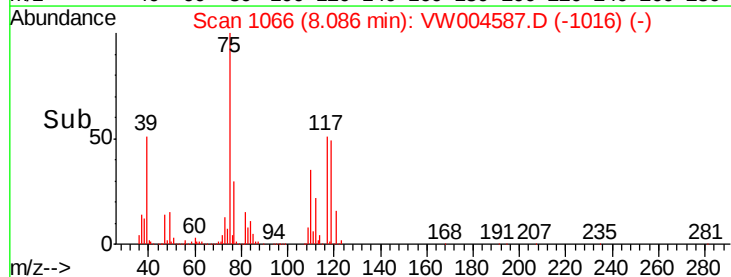
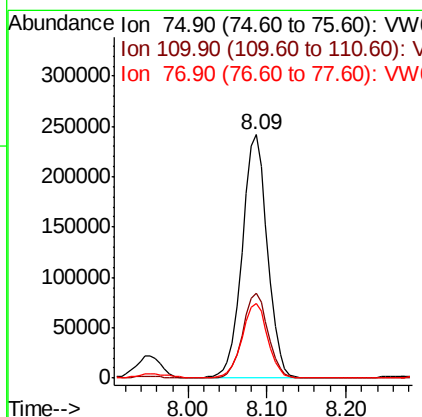
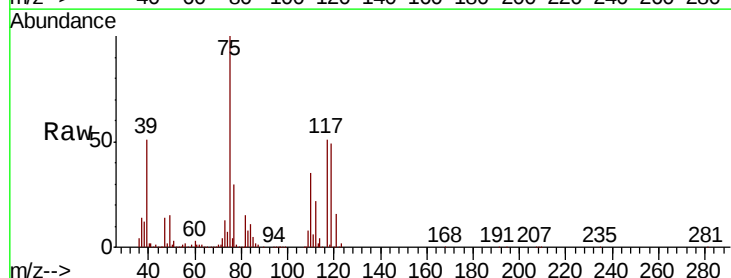
Instrument :
 MSVOA_W
 ClientSampleId :

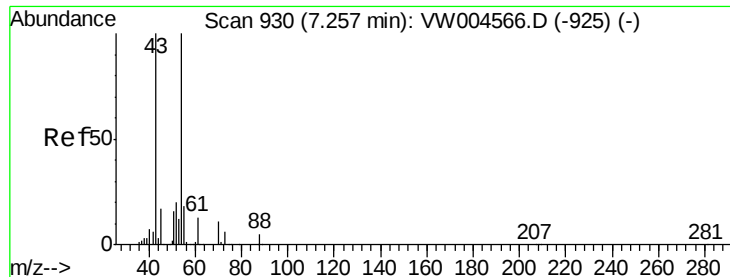
Tgt Ion: 113 Resp: 343777
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 20.2 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 52.017 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 75 Resp: 534425
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.4 52.2
 77 31.4 24.7 37.1

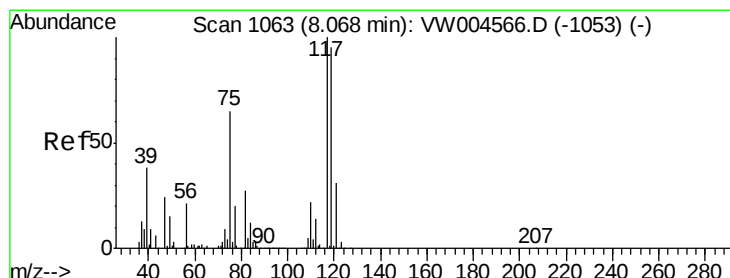
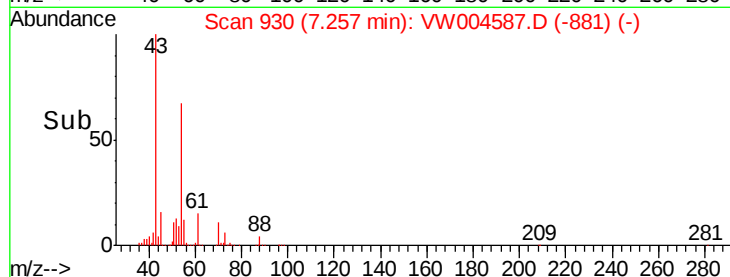
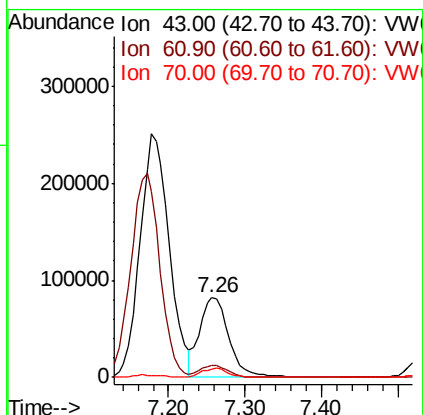
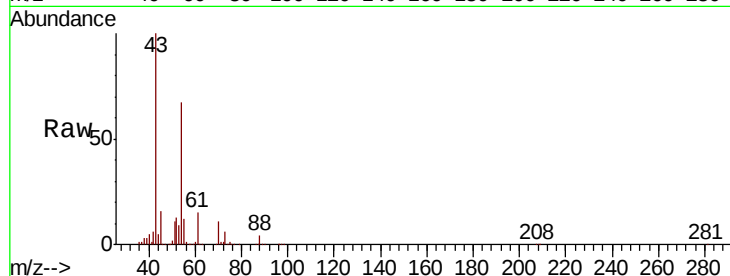




#37
 Ethyl Acetate
 Concen: 45.391 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

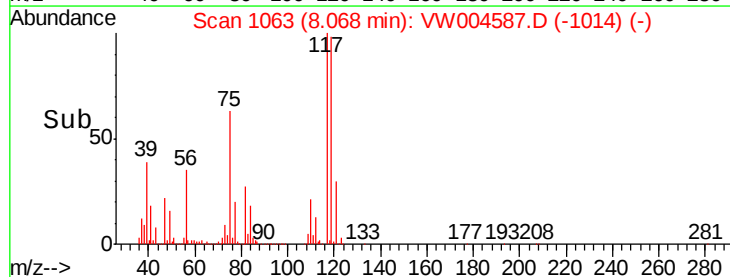
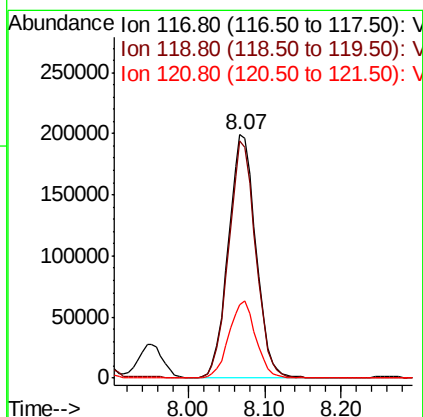
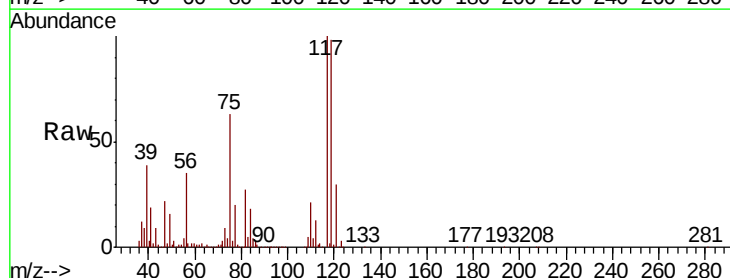
Instrument :
 MSVOA_W
 ClientSampleId :

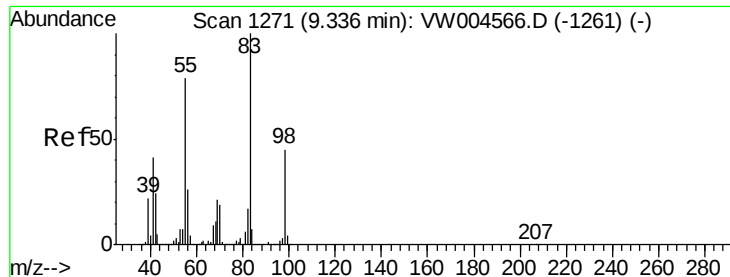
Tgt Ion: 43 Resp: 218417
 Ion Ratio Lower Upper
 43 100
 61 14.7 11.9 17.9
 70 10.7 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 53.609 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 117 Resp: 495631
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.1 114.1
 121 30.3 24.2 36.4

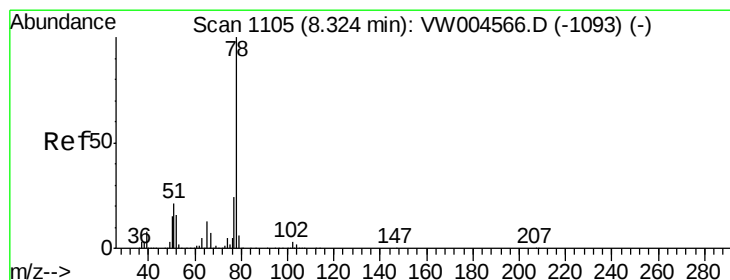
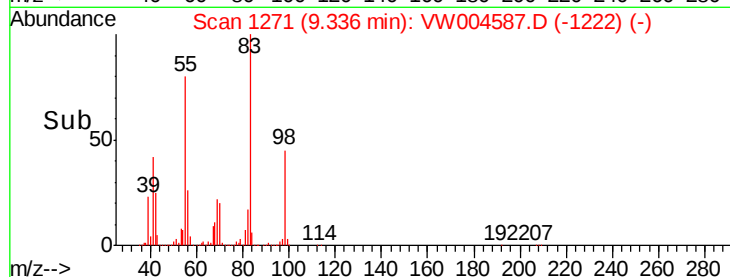
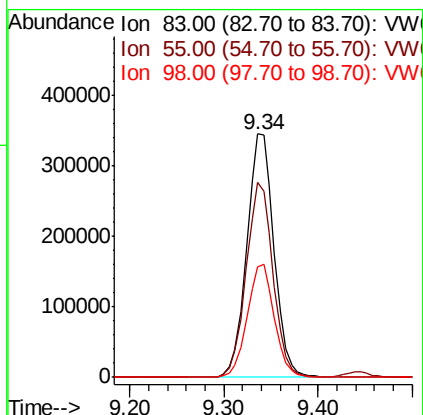
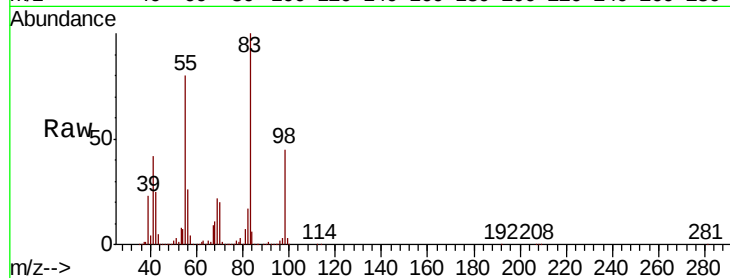




#39
Methylcyclohexane
Concen: 55.454 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

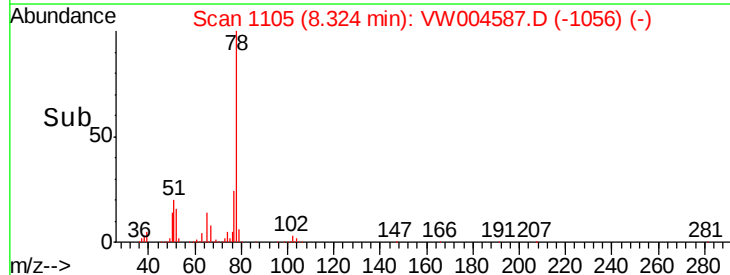
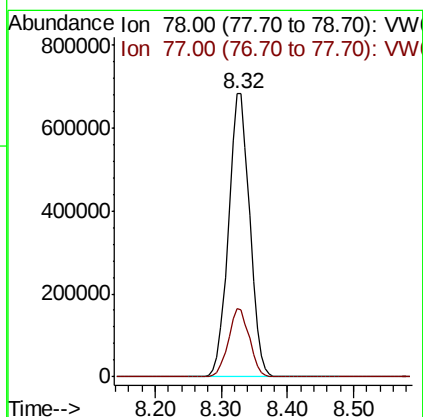
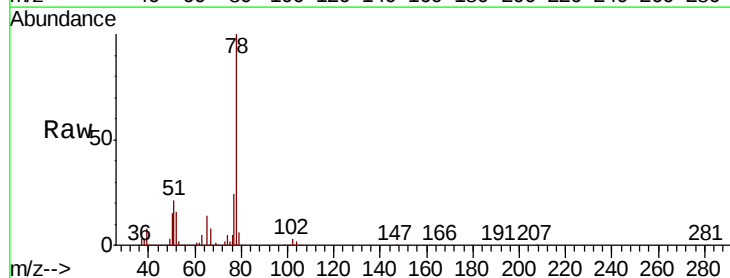
Instrument :
MSVOA_W
ClientSampleId :

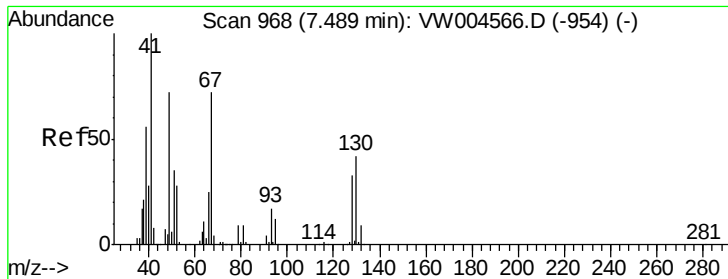
Tgt Ion: 83 Resp: 698350
Ion Ratio Lower Upper
83 100
55 80.0 62.5 93.7
98 45.5 35.4 53.2



#40
Benzene
Concen: 50.118 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 78 Resp: 1512097
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

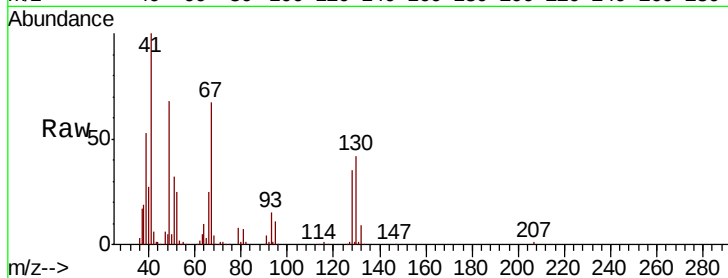




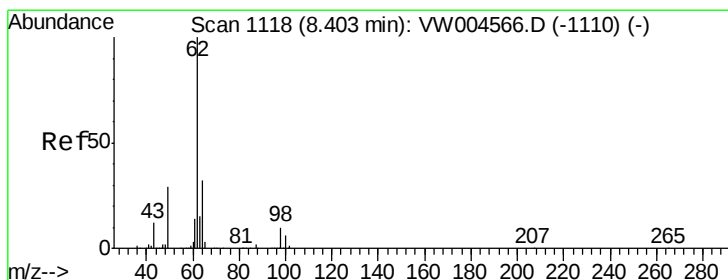
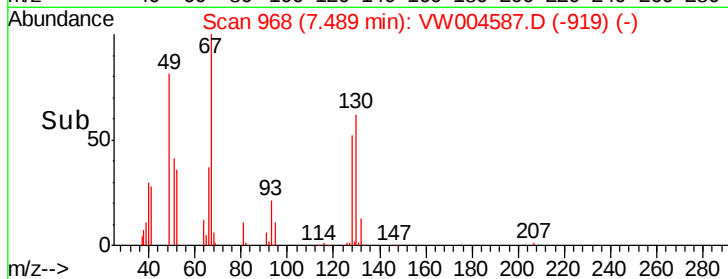
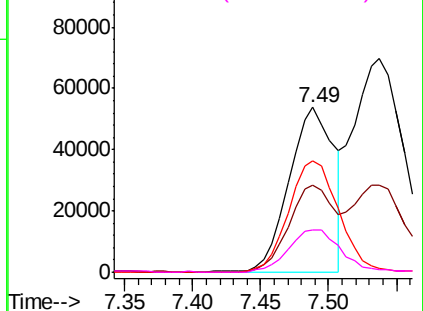
#41
Methacrylonitrile
Concen: 45.641 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	41	Resp:	122665
Ion	Ratio	Lower	Upper
41	100		
39	52.6	46.2	69.2
67	76.6	60.8	91.2
52	29.9	23.8	35.6

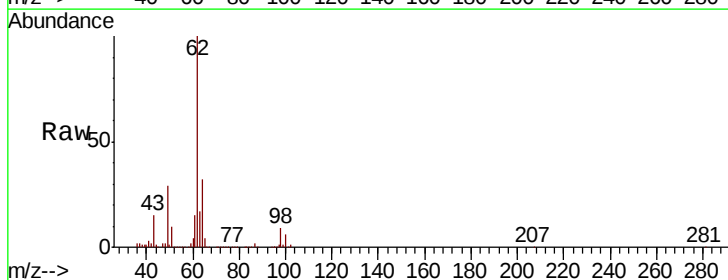


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

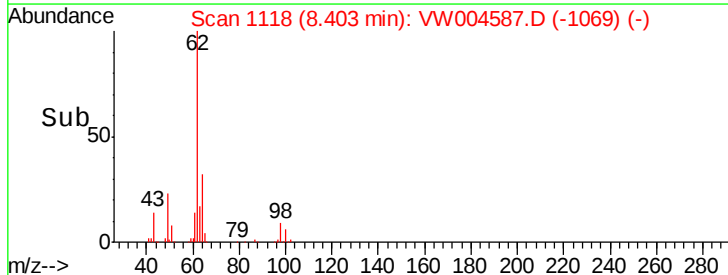
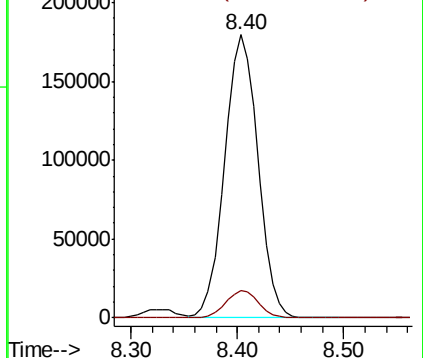


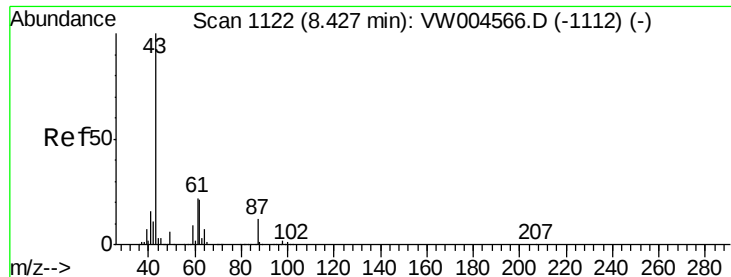
#42
1,2-Dichloroethane
Concen: 47.206 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:	62	Resp:	394047
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 45.454 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

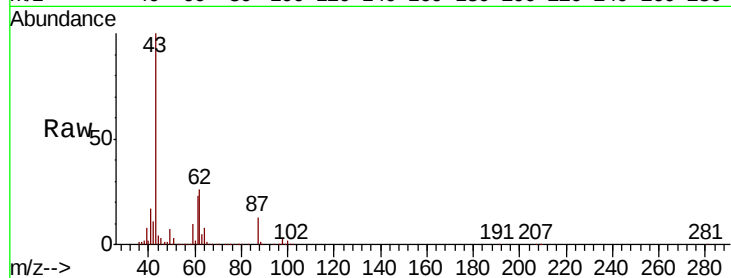
Tgt Ion: 43 Resp: 381253

Ion Ratio Lower Upper

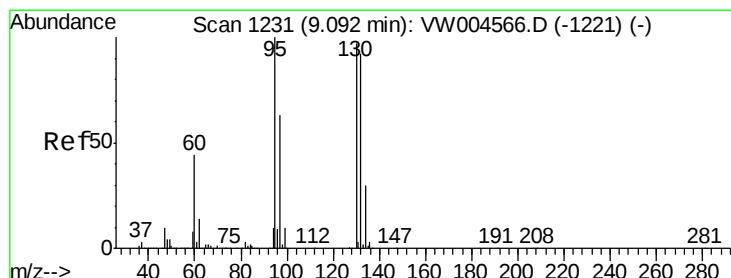
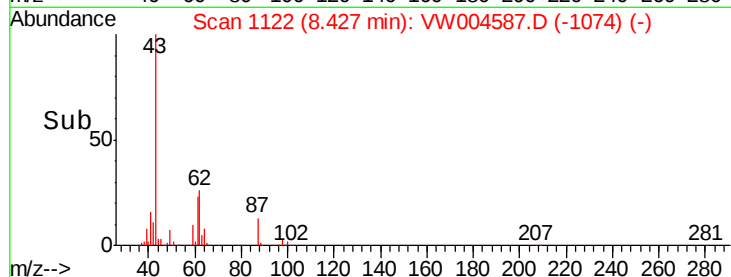
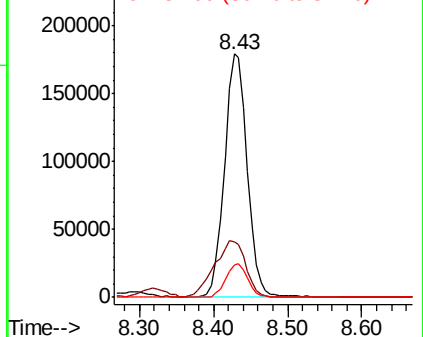
43 100

61 31.8 25.2 37.8

87 13.5 10.6 16.0



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: 49.578 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004587.D

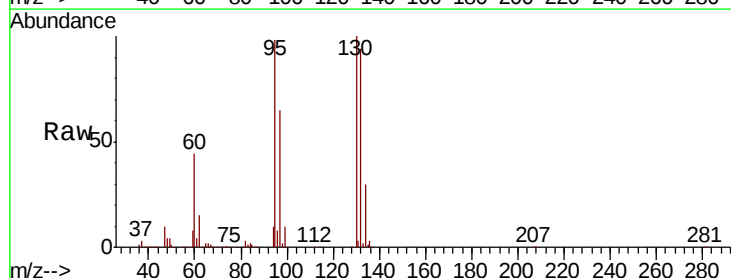
Acq: 10 Aug 2018 10:36

Tgt Ion: 130 Resp: 367565

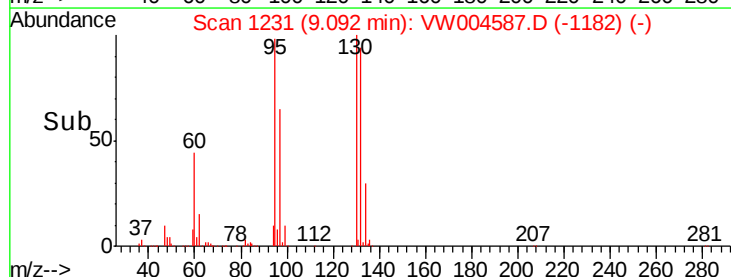
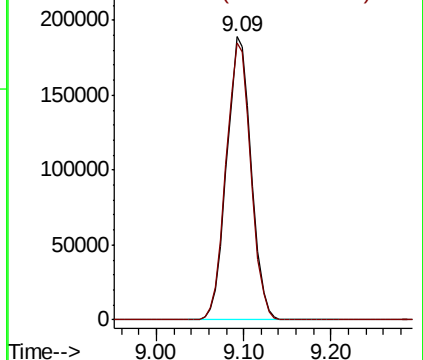
Ion Ratio Lower Upper

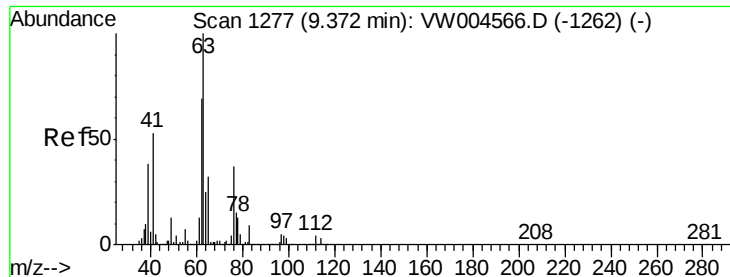
130 100

95 97.9 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

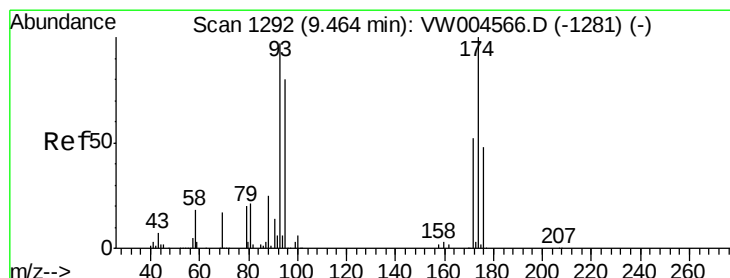
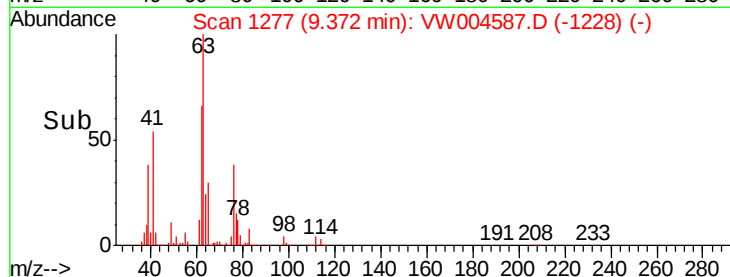
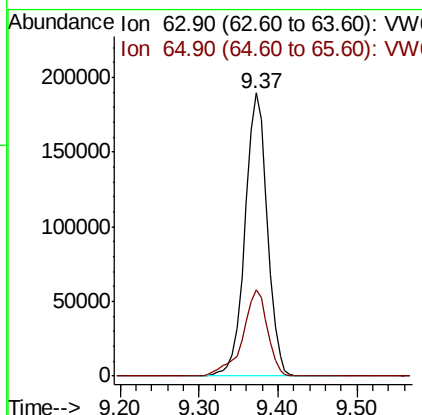
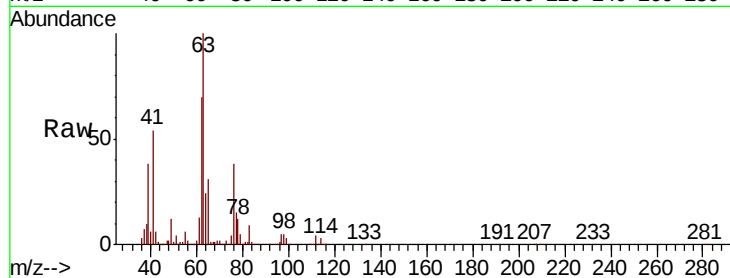




#45
 1,2-Dichloropropane
 Concen: 49.079 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

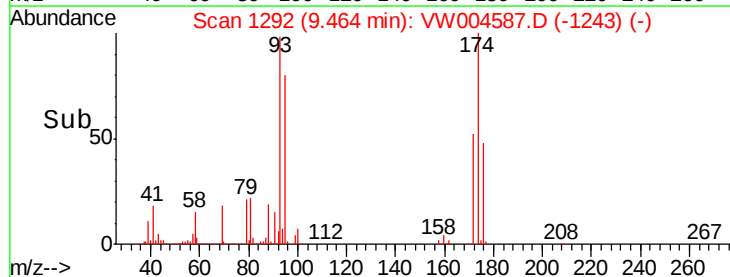
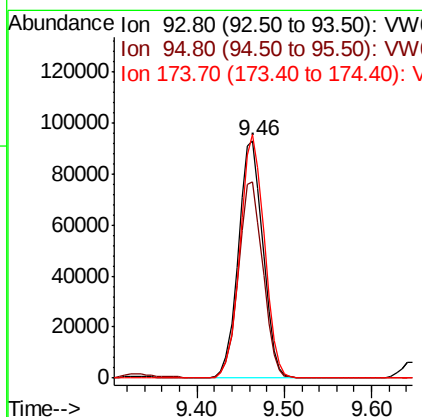
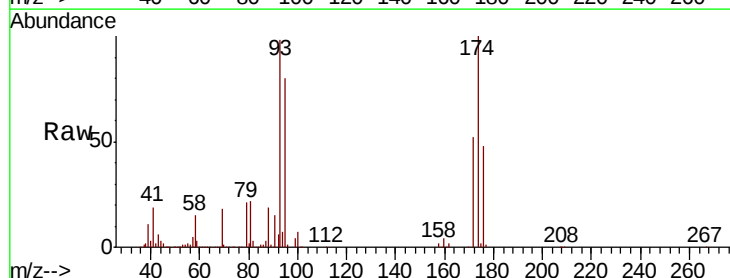
Instrument :
 MSVOA_W
 ClientSampleId :

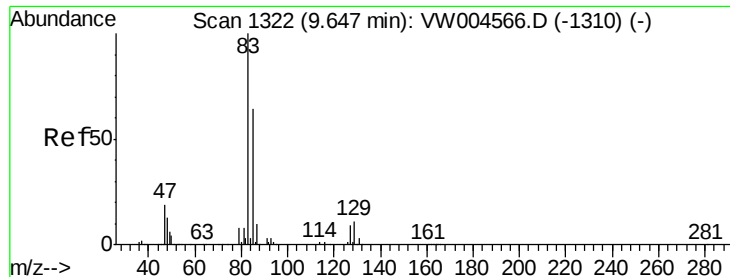
Tgt Ion: 63 Resp: 370830
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.5 36.7



#46
 Dibromomethane
 Concen: 47.355 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 93 Resp: 182147
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.4
 174 100.8 80.2 120.4





#47

Bromodichloromethane

Concen: 47.360 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

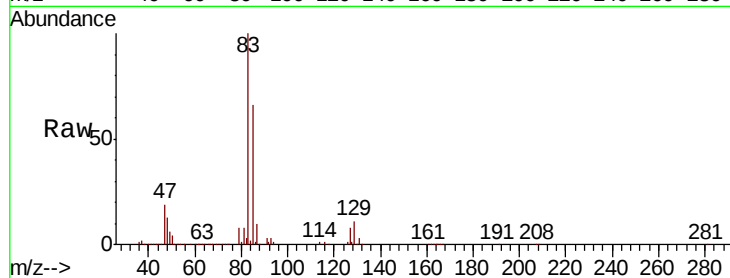
Tgt Ion: 83 Resp: 429992

Ion Ratio Lower Upper

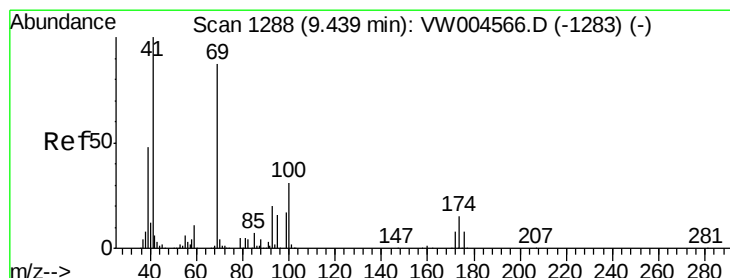
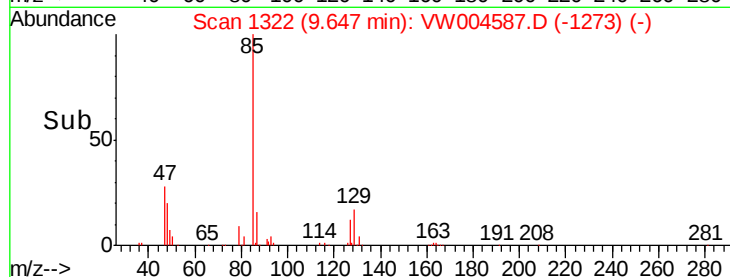
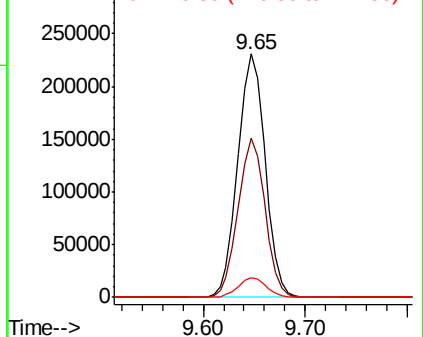
83 100

85 65.5 50.7 76.1

127 7.9 6.5 9.7



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



#48

Methyl methacrylate

Concen: 47.093 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

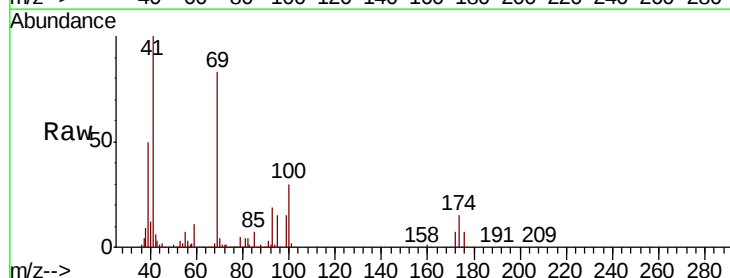
Tgt Ion: 41 Resp: 184615

Ion Ratio Lower Upper

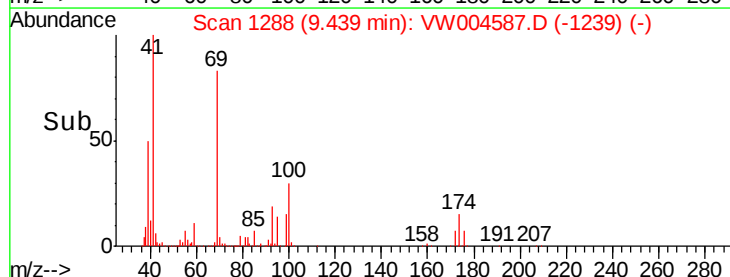
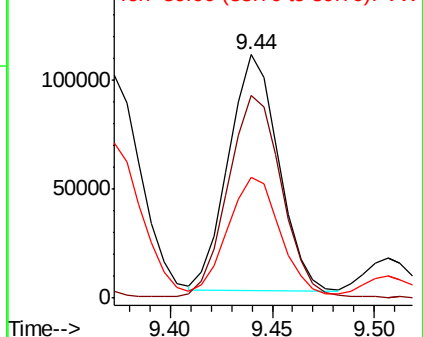
41 100

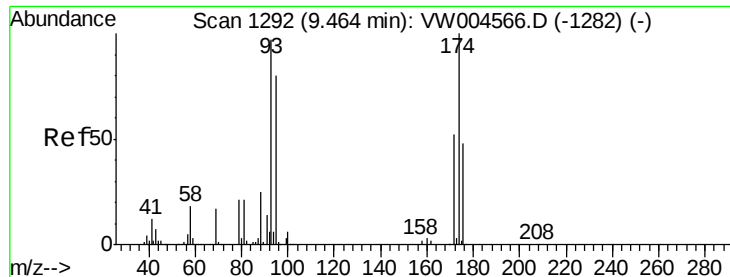
69 93.2 73.2 109.8

39 50.6 40.6 60.8



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





#49

1,4-Dioxane

Concen: 1055.431 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_W
ClientSampled :

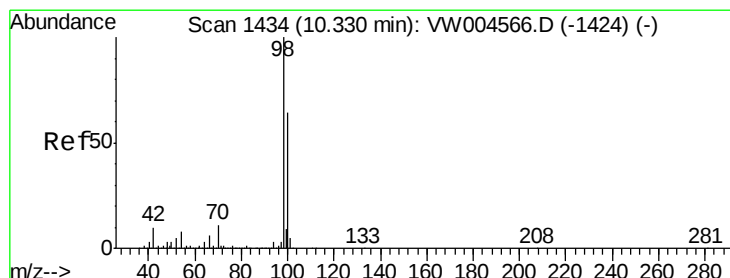
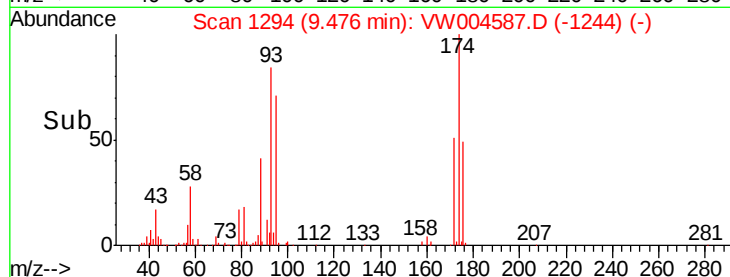
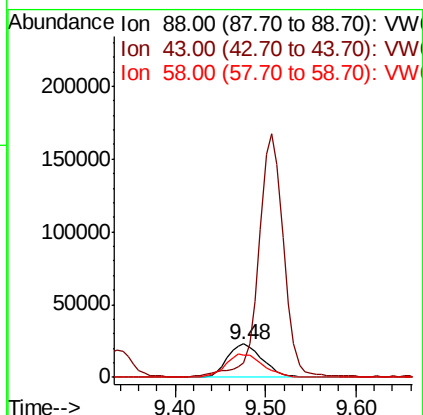
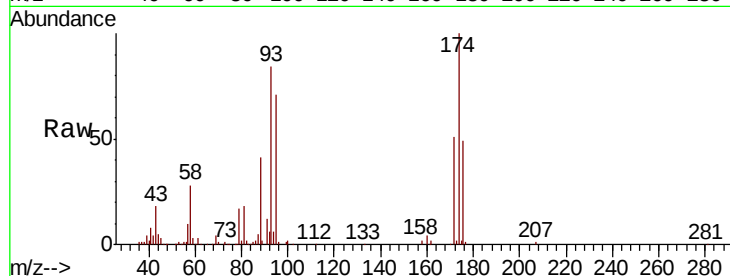
Tgt Ion: 88 Resp: 61935

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 75.8 63.5 95.3



#50

Toluene-d8

Concen: 57.331 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004587.D

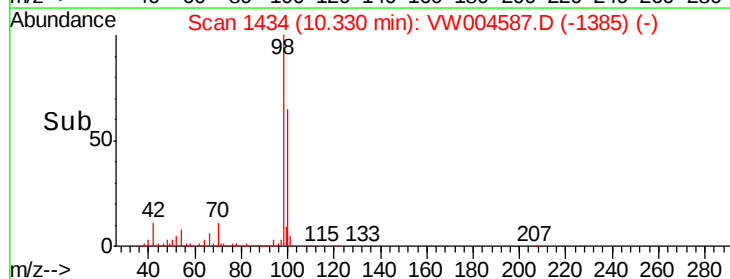
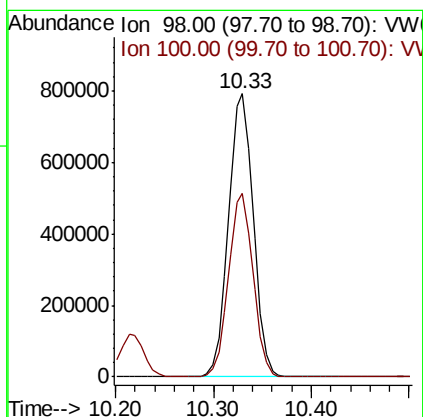
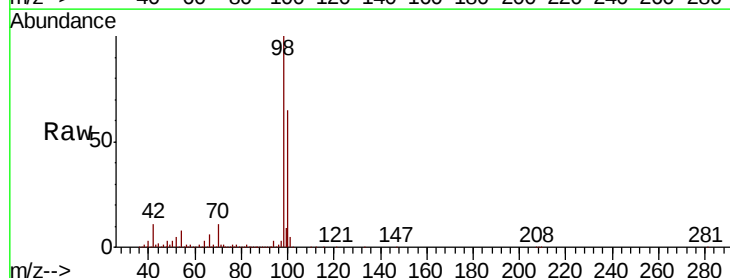
Acq: 10 Aug 2018 10:36

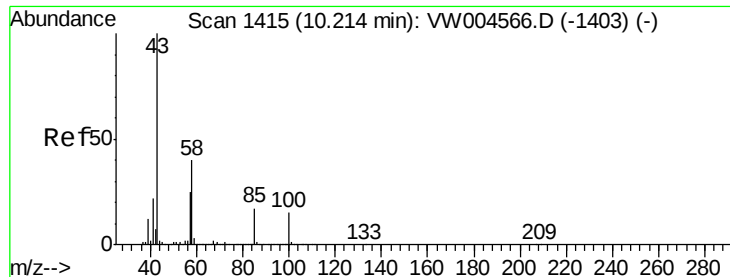
Tgt Ion: 98 Resp: 1390611

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2

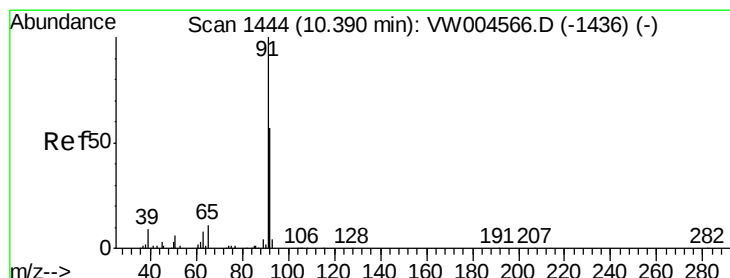
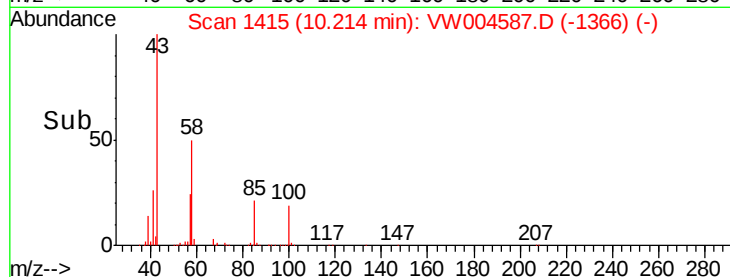
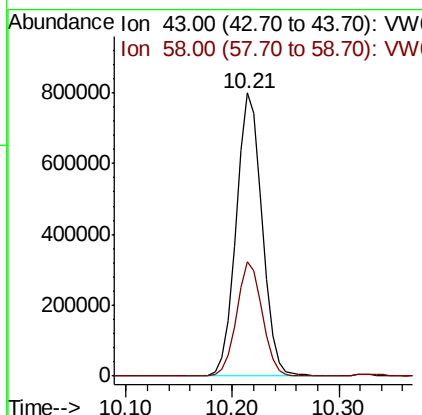
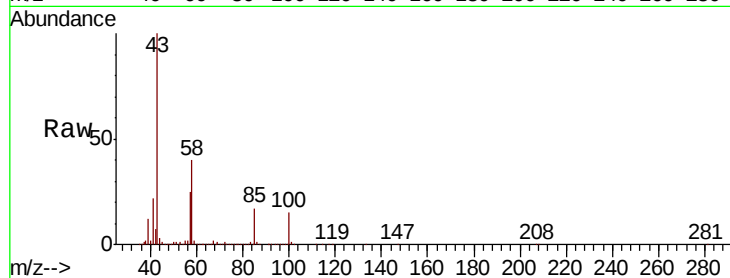




#51
4-Methyl-2-Pentanone
Concen: 234.219 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

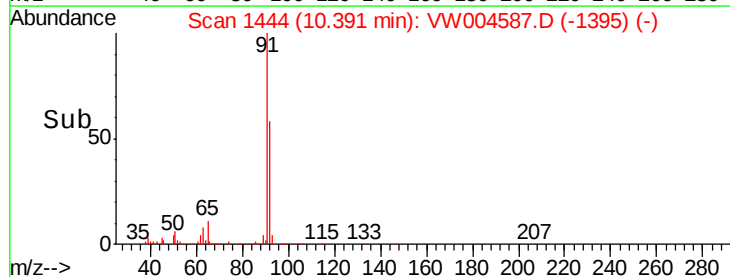
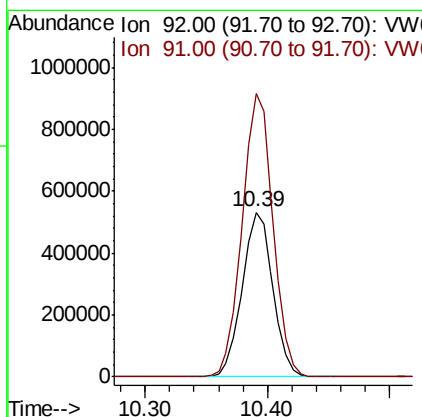
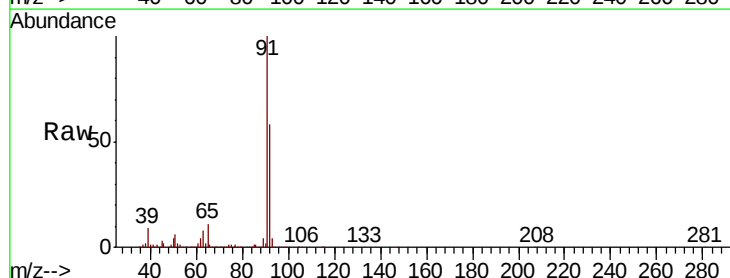
Instrument :
MSVOA_W
ClientSampleId :

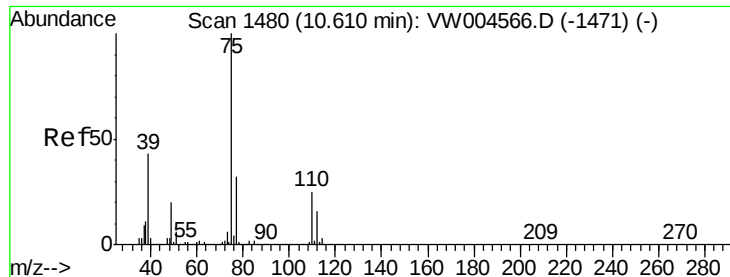
Tgt Ion: 43 Resp: 1367463
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9



#52
Toluene
Concen: 51.787 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 92 Resp: 921352
Ion Ratio Lower Upper
92 100
91 173.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 48.240 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

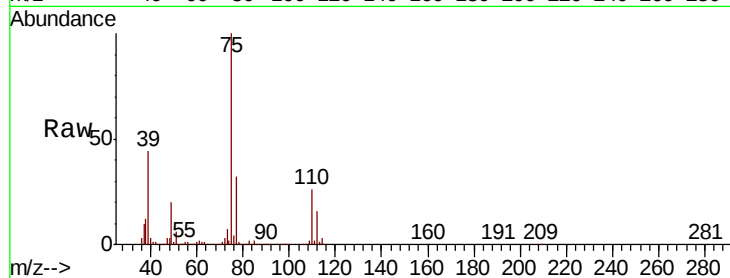
ClientSampleId :

Tgt Ion: 75 Resp: 439785

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

250000

200000

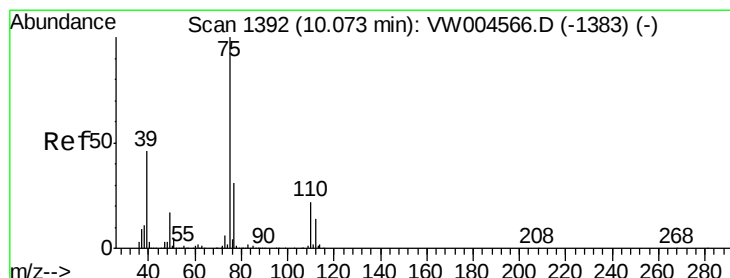
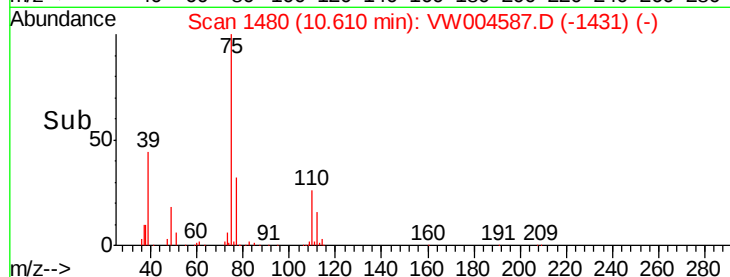
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 49.471 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

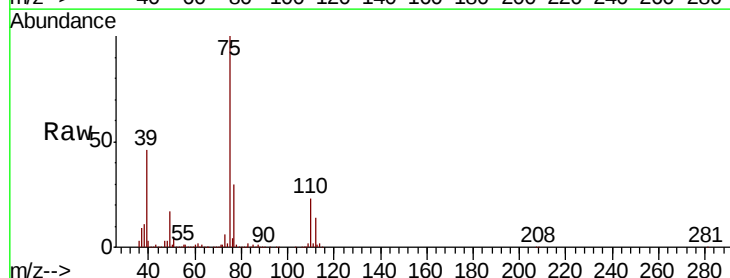
Tgt Ion: 75 Resp: 525603

Ion Ratio Lower Upper

75 100

77 30.4 25.3 37.9

39 45.5 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

400000

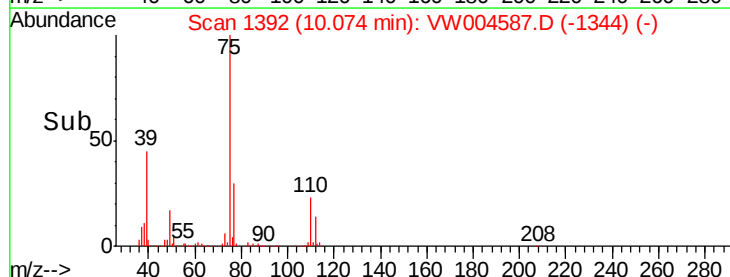
300000

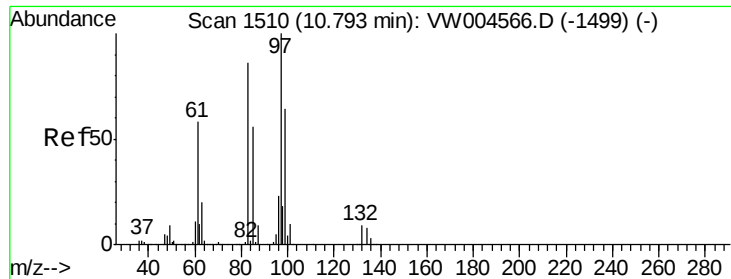
200000

100000

0

Time--> 10.00 10.10

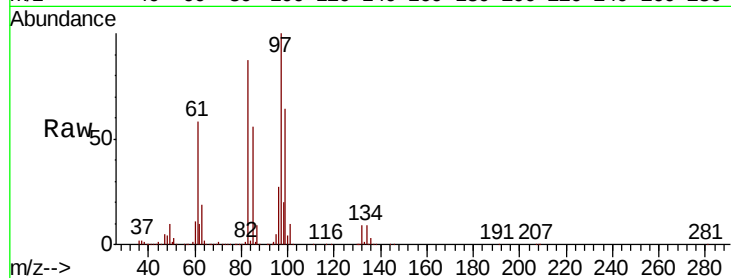




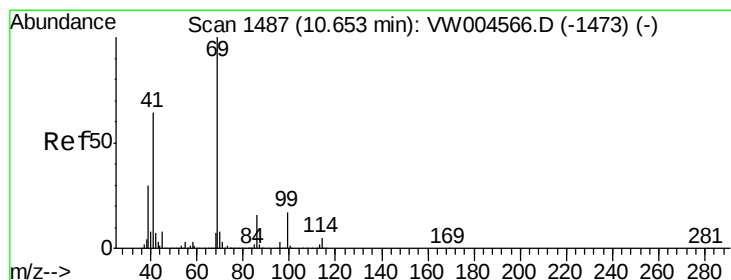
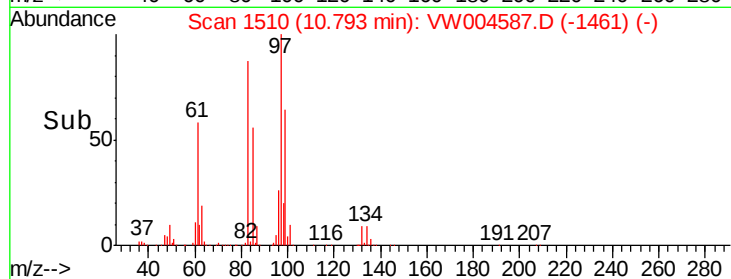
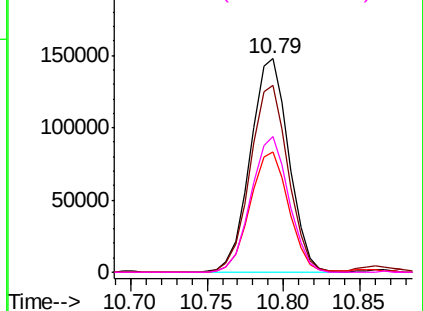
#55
 1,1,2-Trichloroethane
 Concen: 46.987 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:	97	Resp:	259040
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.8	104.8
85	56.3	45.1	67.7
99	63.4	50.3	75.5

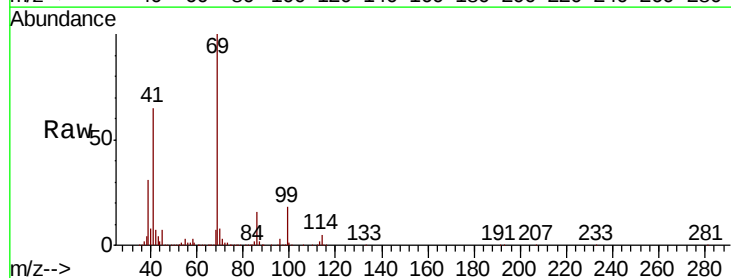


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

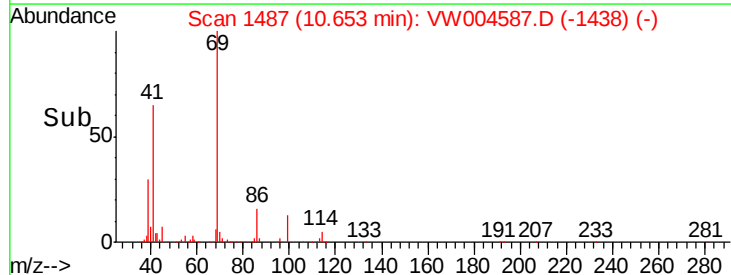
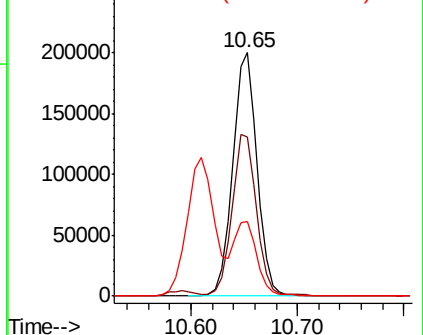


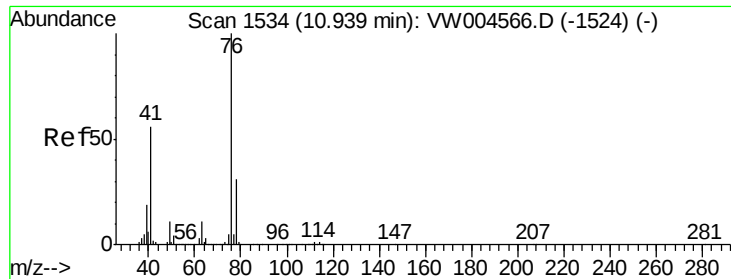
#56
 Ethyl methacrylate
 Concen: 48.248 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:	69	Resp:	318459
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.4	78.6
39	28.8	22.7	34.1



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

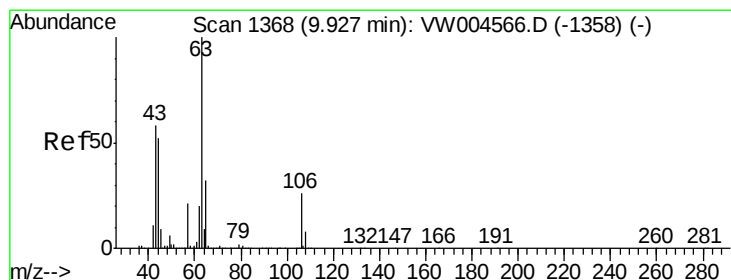
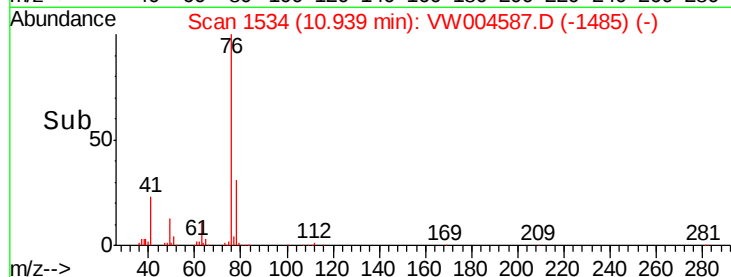
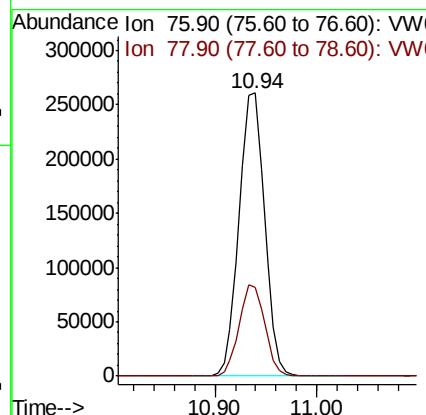
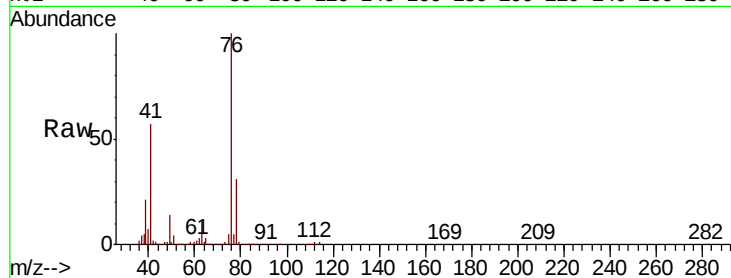




#57
 1,3-Dichloropropane
 Concen: 47.586 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

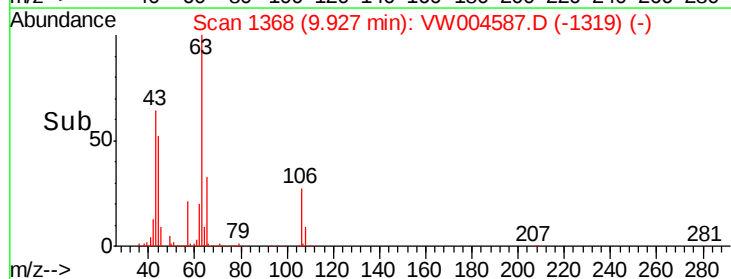
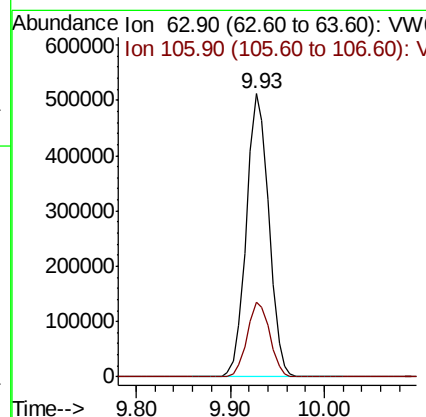
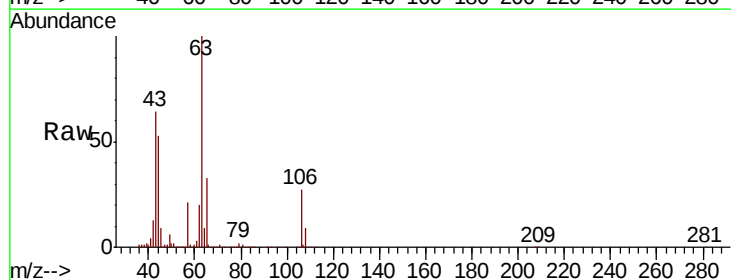
Instrument :
 MSVOA_W
 ClientSampleId :

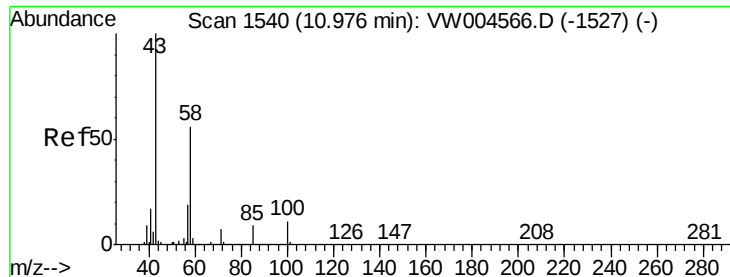
Tgt Ion: 76 Resp: 452170
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.170 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 63 Resp: 847857
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9

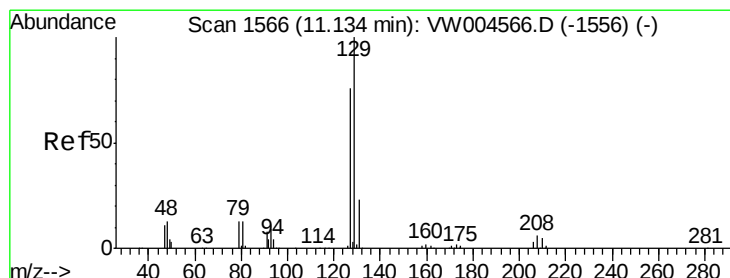
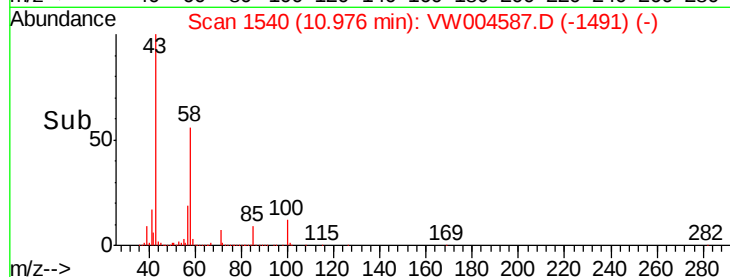
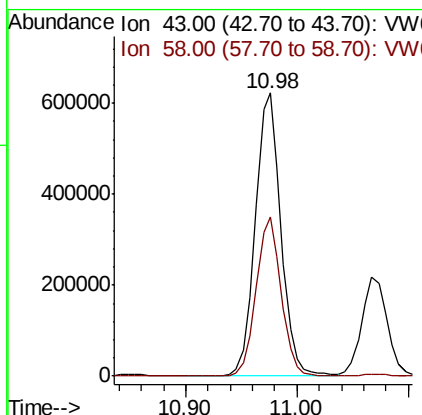
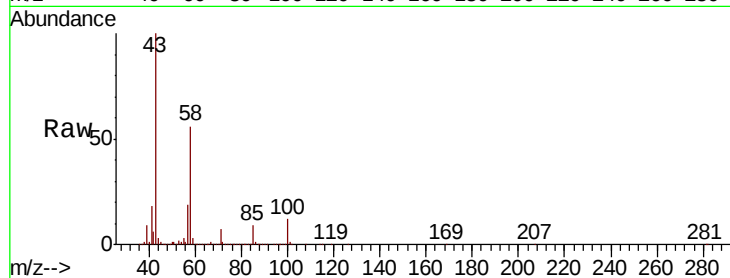




#59
2-Hexanone
Concen: 252.006 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

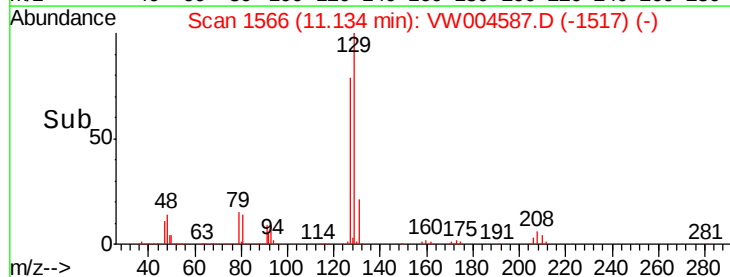
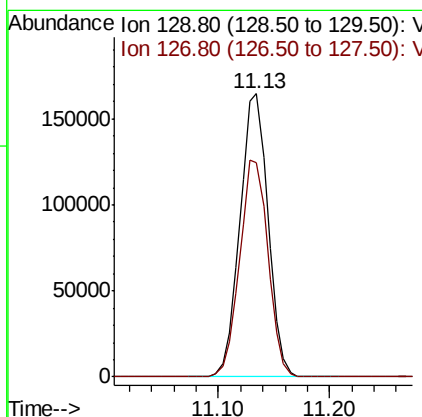
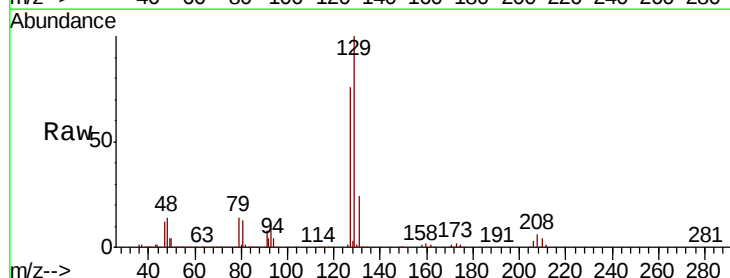
Instrument :
MSVOA_W
ClientSampleId :

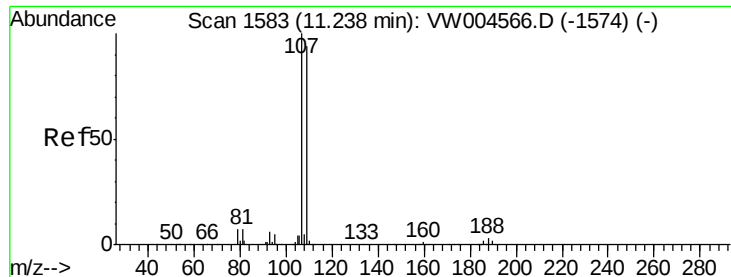
Tgt Ion: 43 Resp: 997558
Ion Ratio Lower Upper
43 100
58 54.8 27.9 83.6



#60
Dibromochloromethane
Concen: 48.112 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 129 Resp: 288489
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

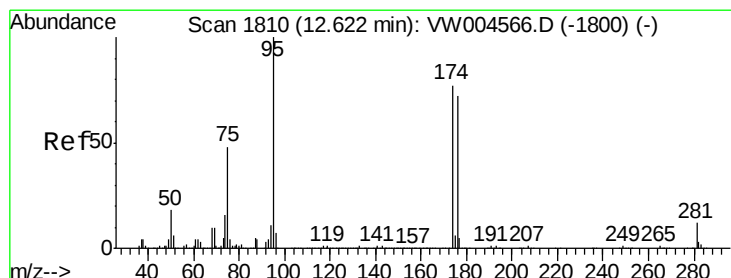
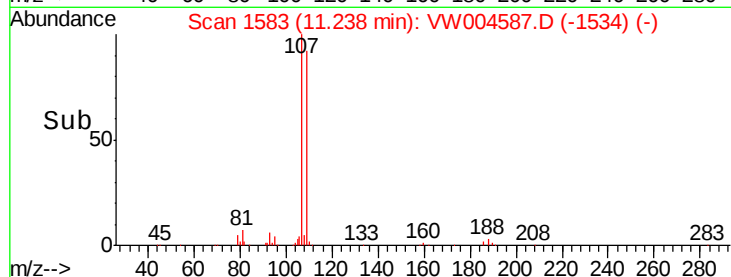
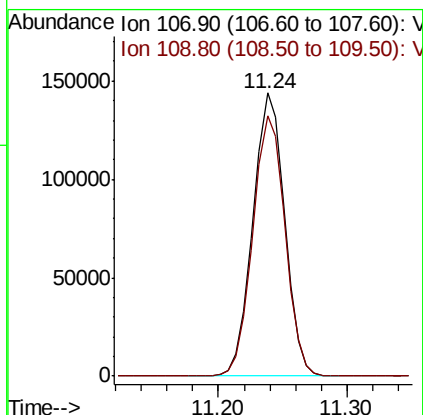
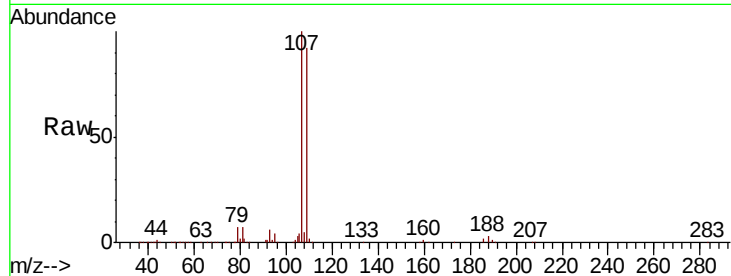




#61
 1,2-Dibromoethane
 Concen: 47.278 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

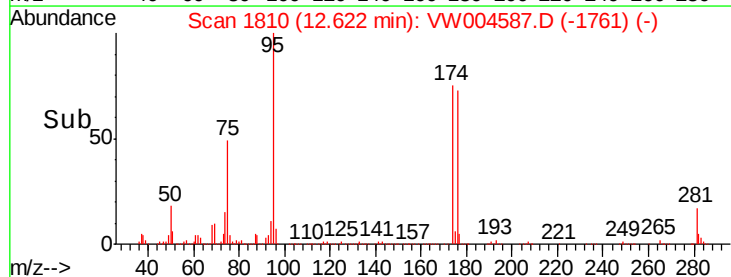
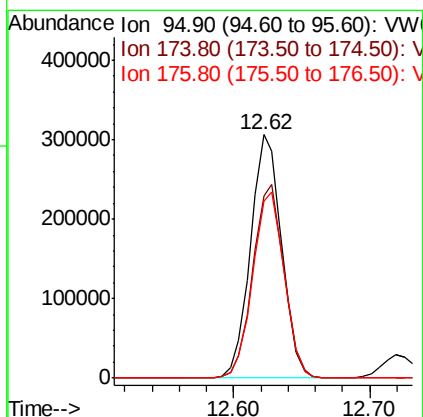
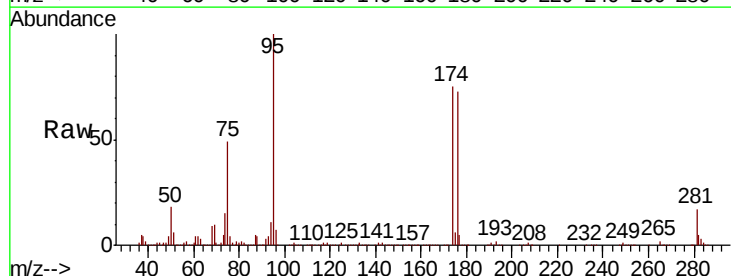
Instrument :
 MSVOA_W
 ClientSampleId :

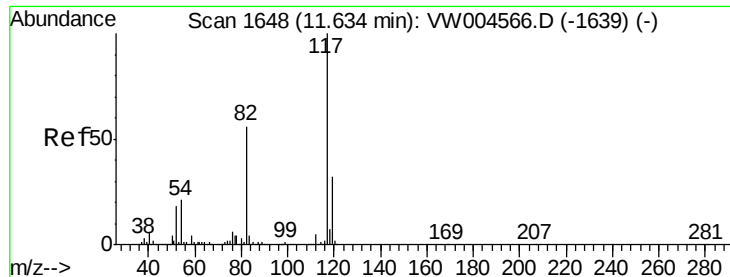
Tgt Ion: 107 Resp: 244873
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 56.229 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 95 Resp: 491293
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 160.4
 176 77.7 0.0 153.2

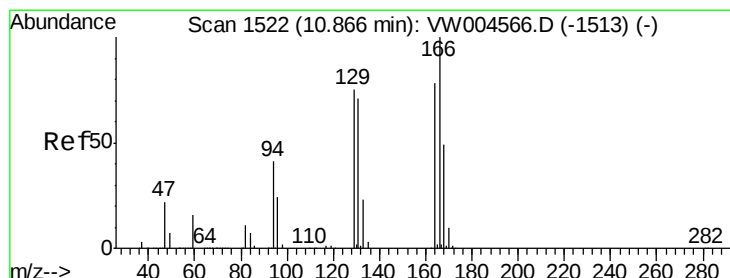
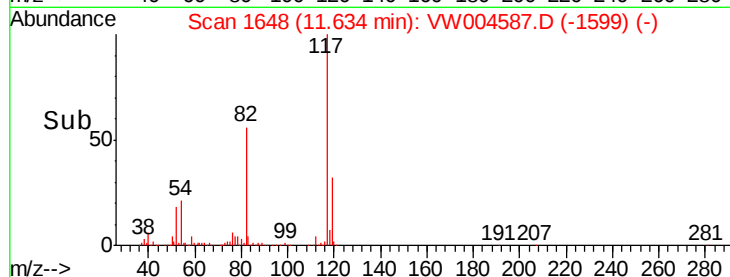
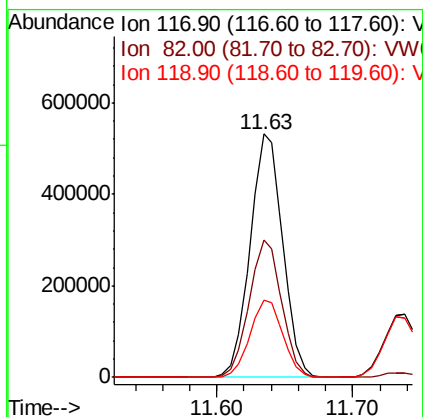
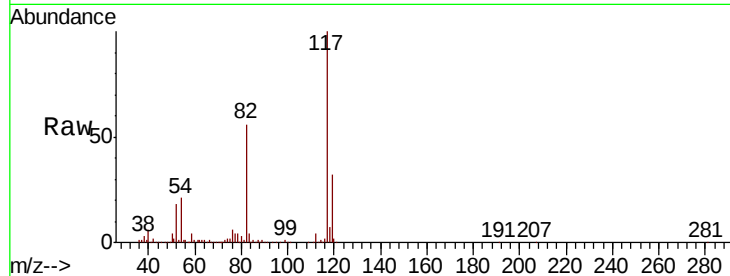




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

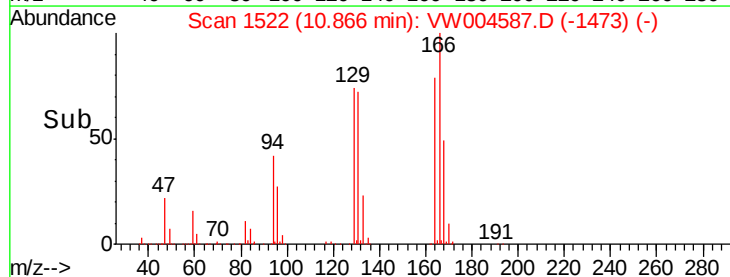
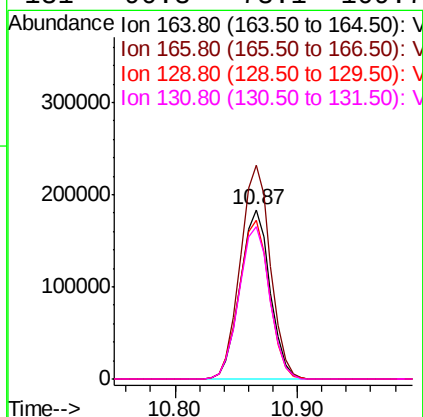
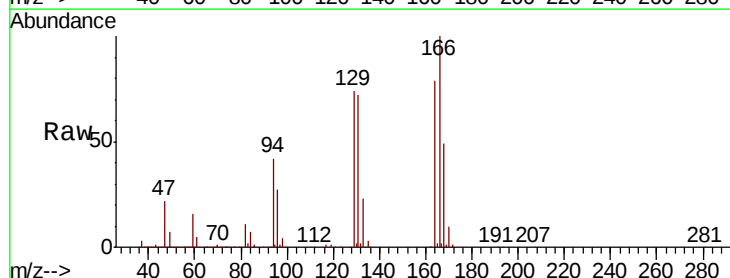
Instrument :
MSVOA_W
ClientSampleId :

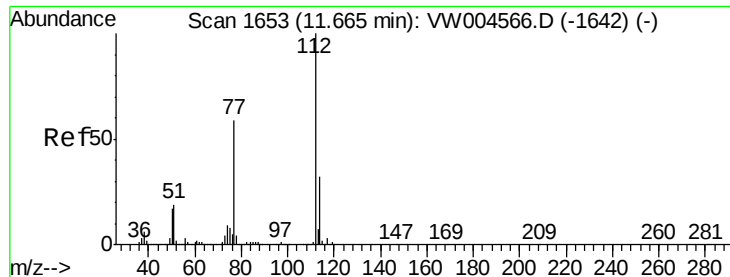
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.3	67.9
119	31.9	26.2	39.4



#64
Tetrachloroethene
Concen: 49.733 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.4	147.6
129	93.8	73.6	110.4
131	90.3	73.1	109.7

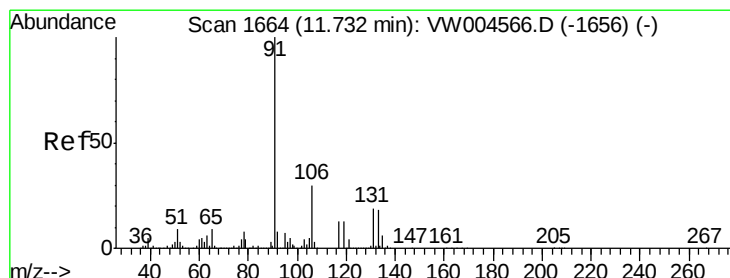
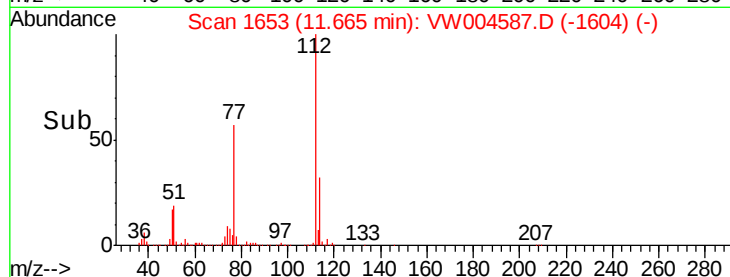
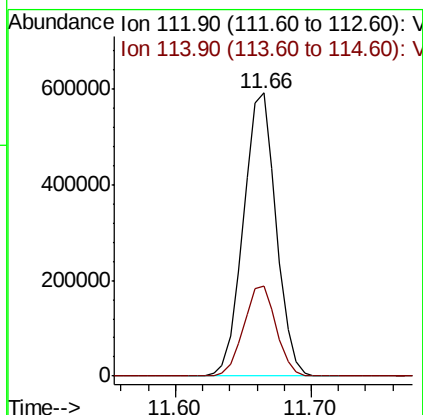
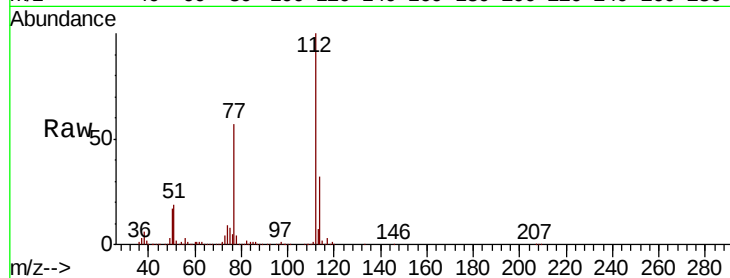




#65
Chlorobenzene
Concen: 50.280 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

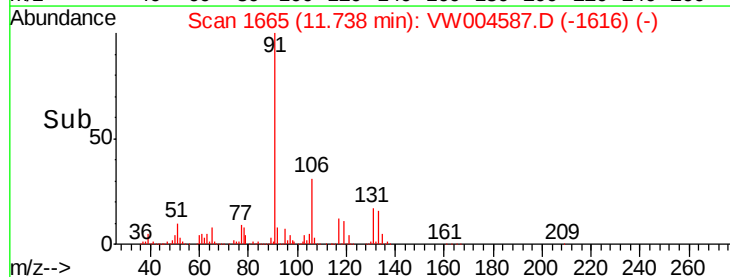
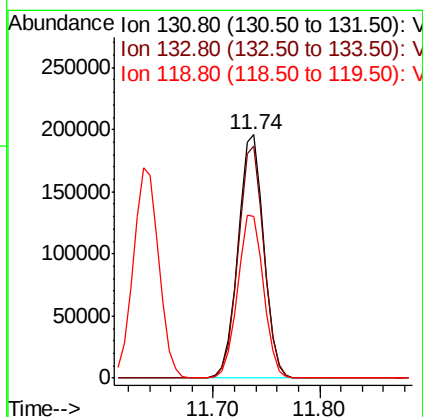
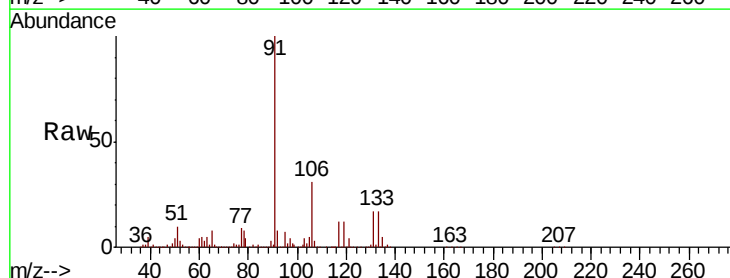
Instrument :
MSVOA_W
ClientSampleId :

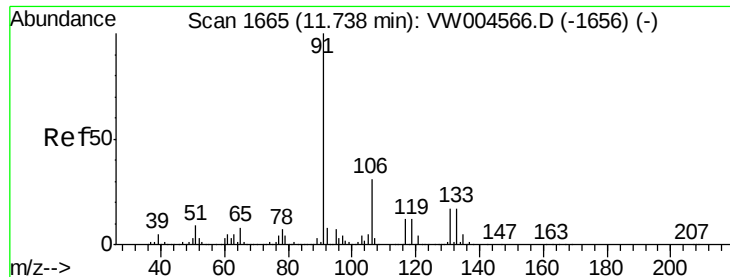
Tgt Ion:112 Resp: 992663
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.396 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:131 Resp: 332024
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 67.8 33.9 101.7

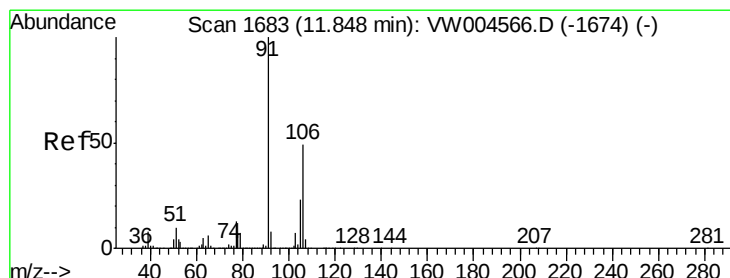
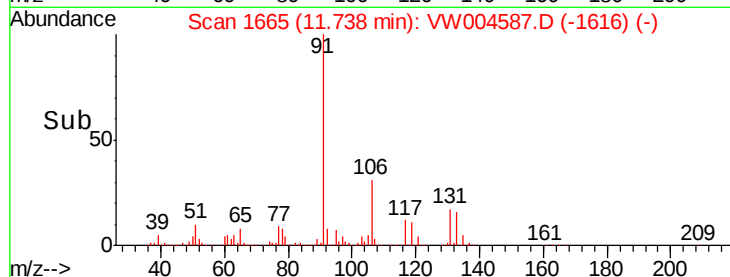
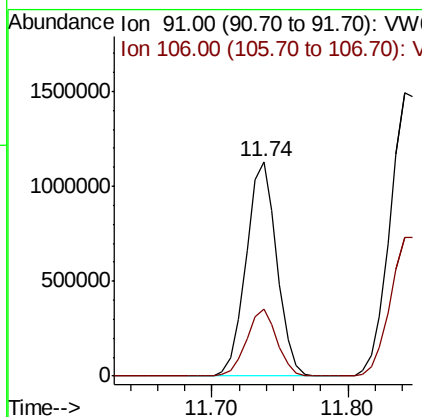
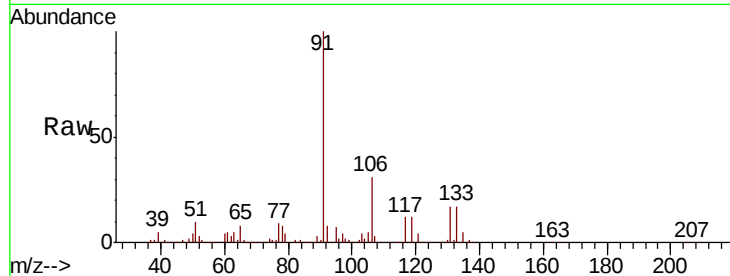




#67
Ethyl Benzene
Concen: 53.120 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

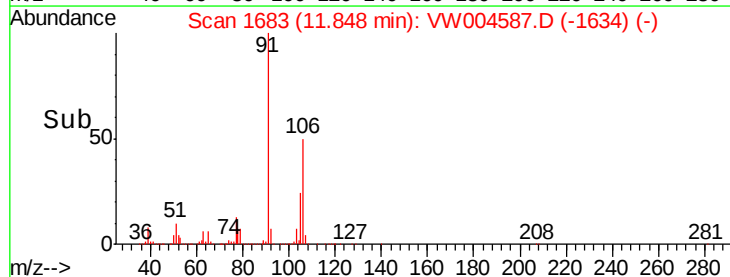
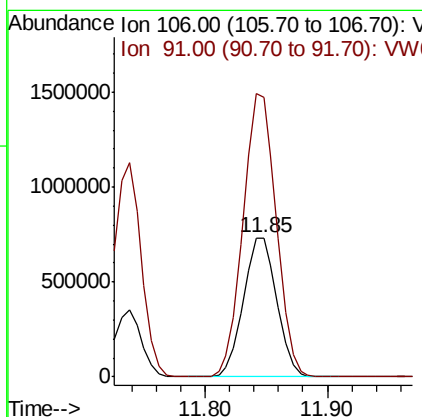
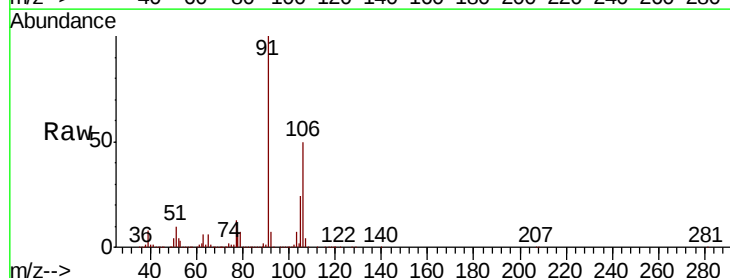
Instrument :
MSVOA_W
ClientSampleId :

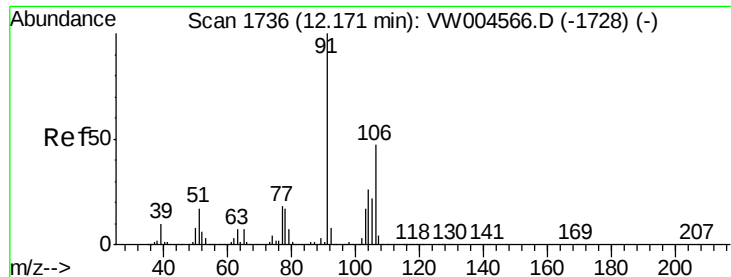
Tgt Ion: 91 Resp: 1777825
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2



#68
m/p-Xylenes
Concen: 107.123 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 106 Resp: 1385552
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2

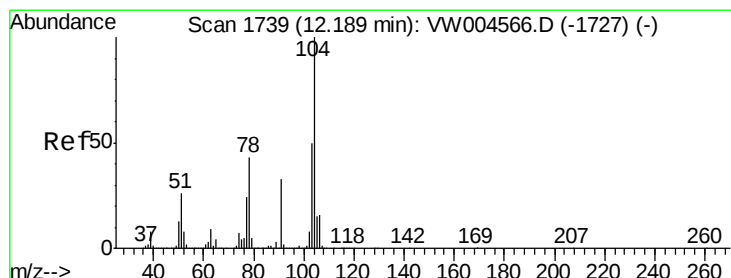
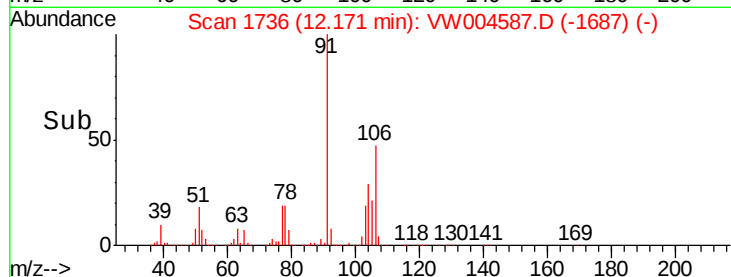
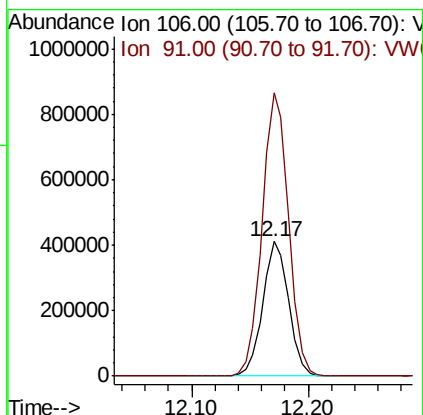
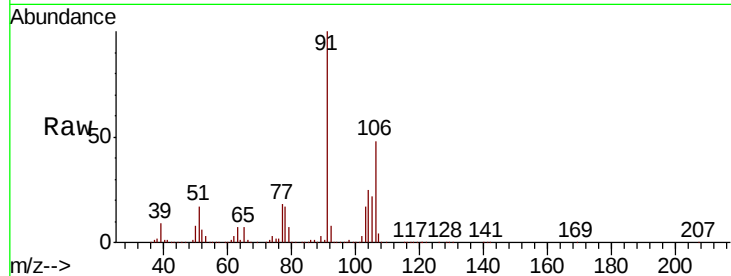




#69
o-Xylene
Concen: 53.179 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

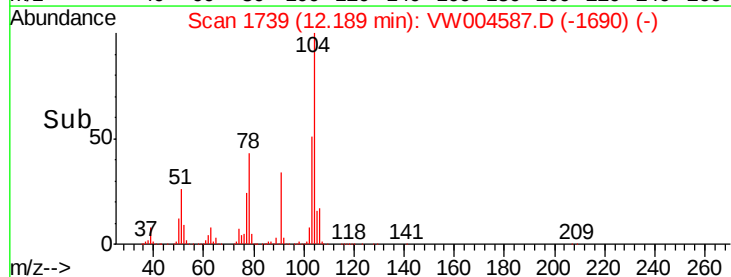
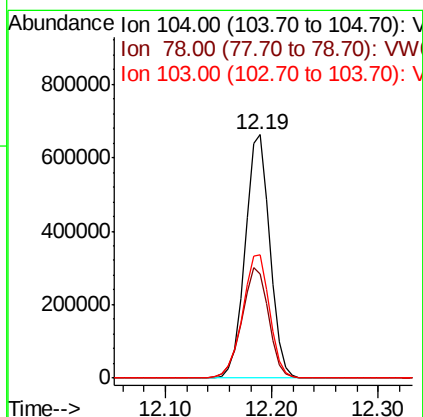
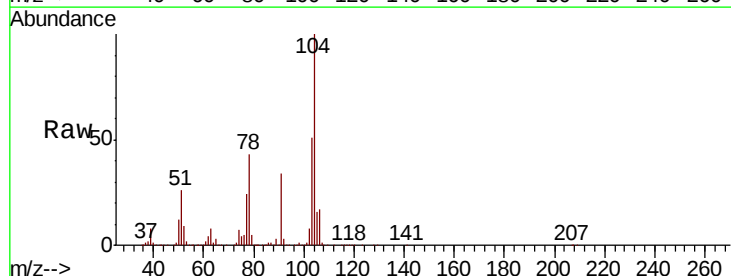
Instrument :
MSVOA_W
ClientSampled :

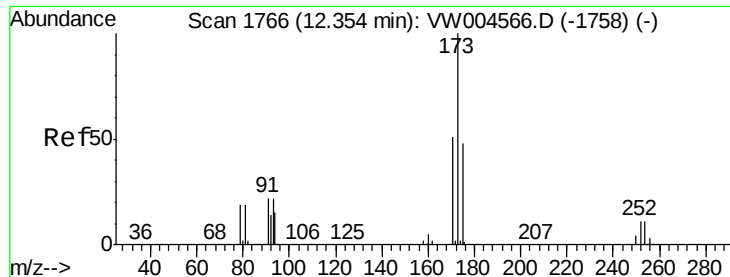
Tgt Ion:106 Resp: 637887
Ion Ratio Lower Upper
106 100
91 213.6 106.7 320.2



#70
Styrene
Concen: 53.311 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:104 Resp: 1080434
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 55.5 44.2 66.2

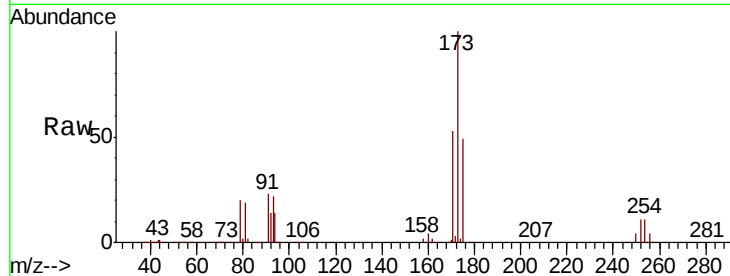




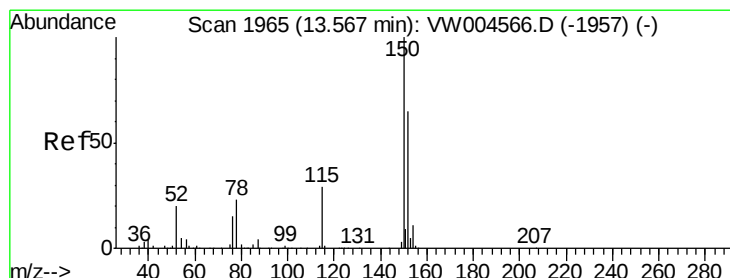
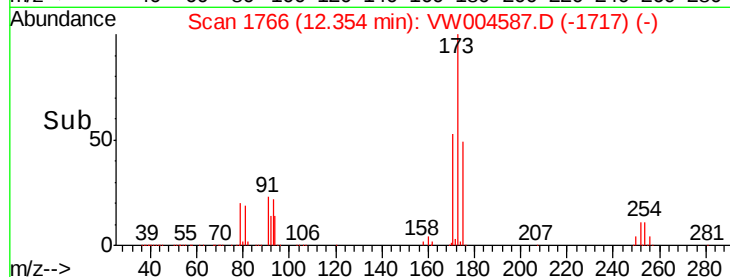
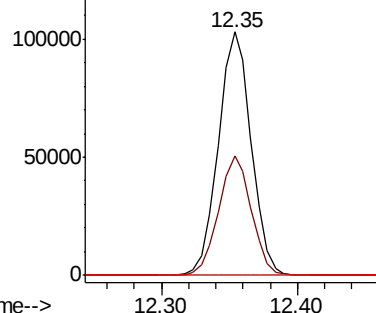
#71
Bromoform
Concen: 47.055 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:173 Resp: 173870
Ion Ratio Lower Upper
173 100
175 48.9 24.5 73.5
254 0.1 0.2 0.2#

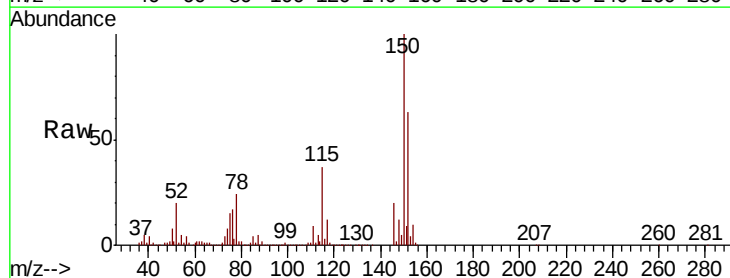


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

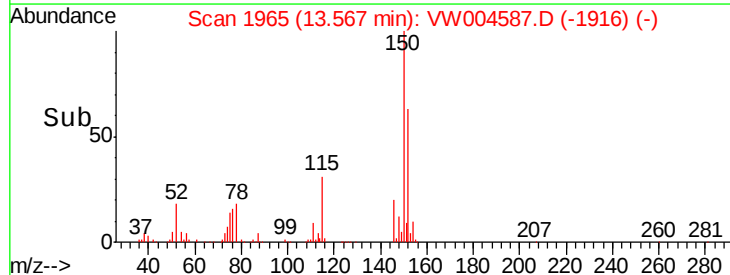
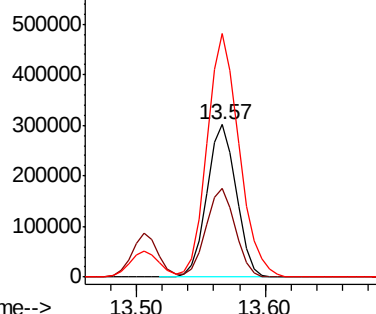


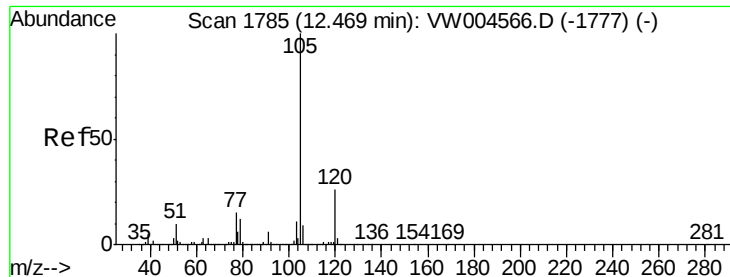
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:152 Resp: 475812
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 174.2 0.0 349.6



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





#73

Isopropylbenzene

Concen: 54.479 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

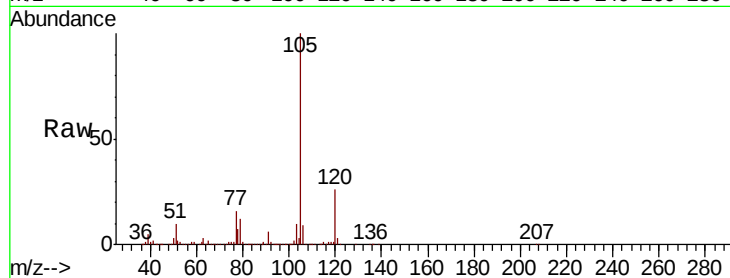
ClientSampled :

Tgt Ion:105 Resp: 1793000

Ion Ratio Lower Upper

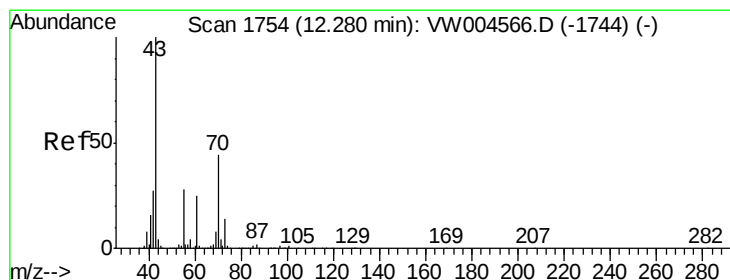
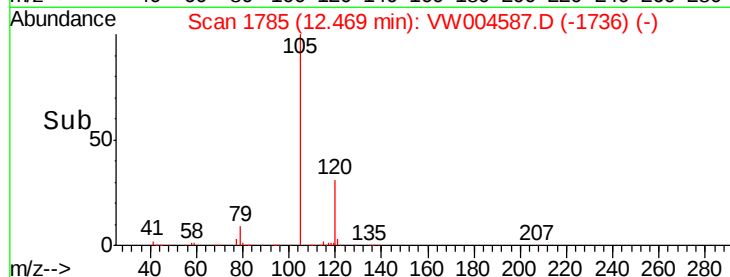
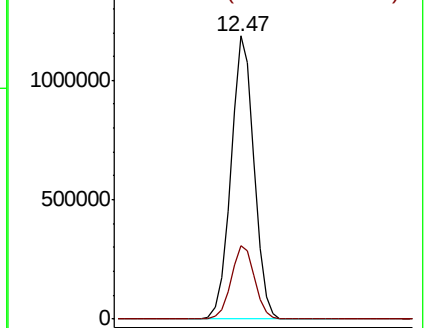
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.444 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Tgt Ion: 43 Resp: 370647

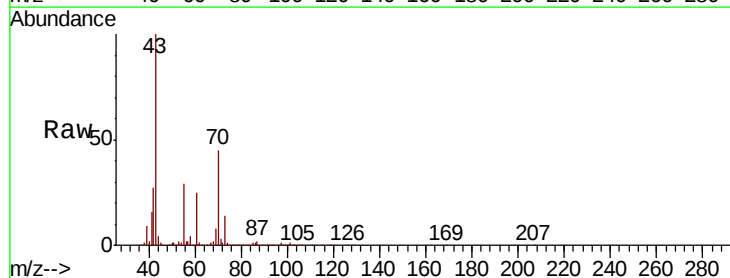
Ion Ratio Lower Upper

43 100

70 44.7 35.3 52.9

55 29.7 22.9 34.3

61 24.7 19.7 29.5

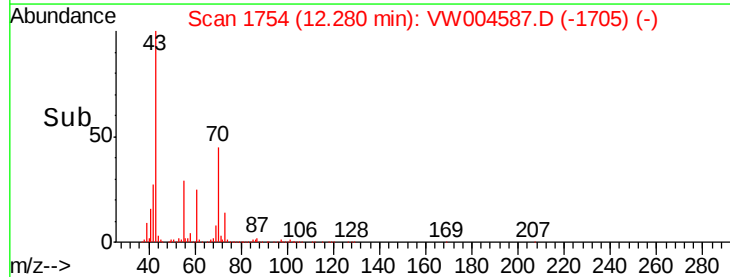
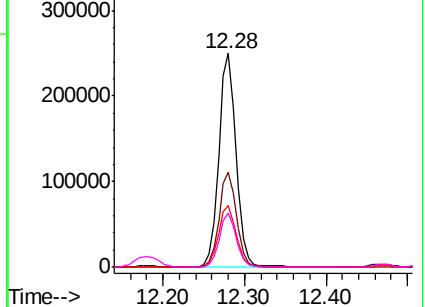


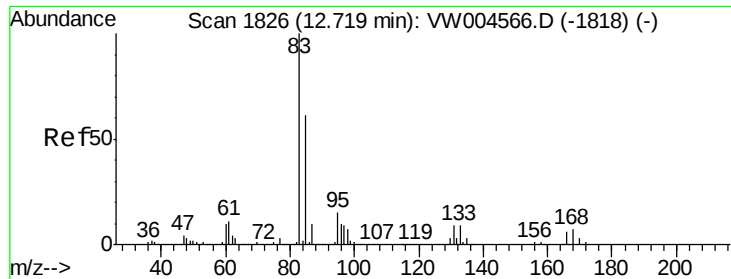
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 46.443 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampled :

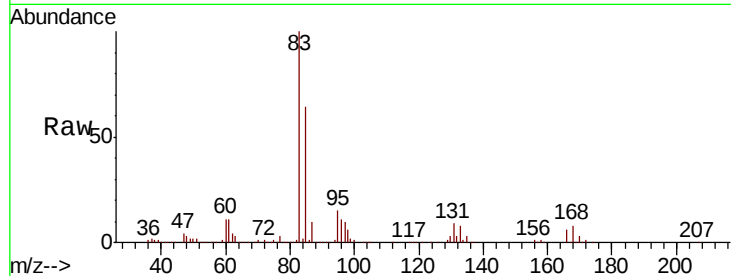
Tgt Ion: 83 Resp: 319076

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

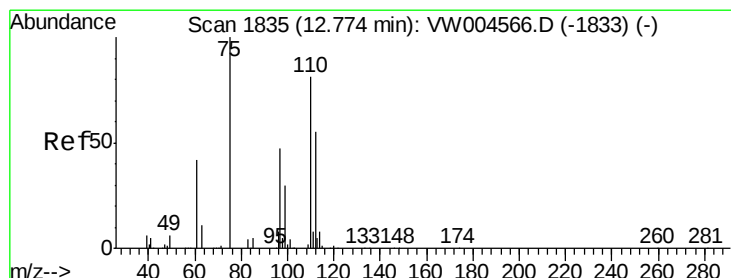
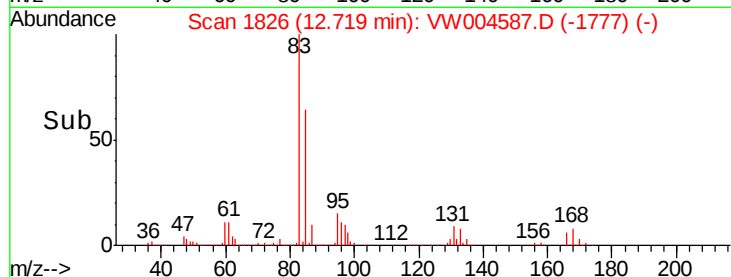
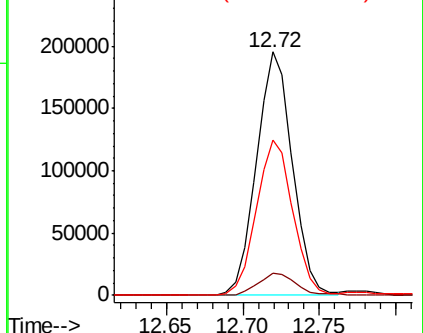
85 64.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.396 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004587.D

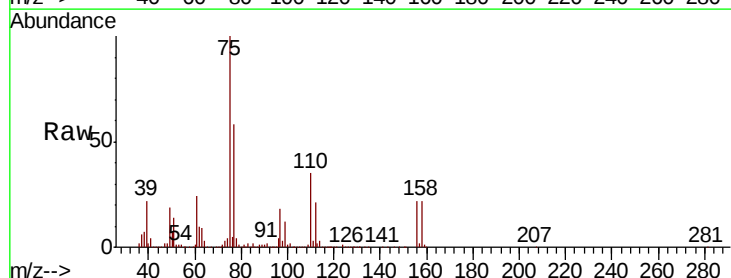
Acq: 10 Aug 2018 10:36

Tgt Ion: 75 Resp: 415531

Ion Ratio Lower Upper

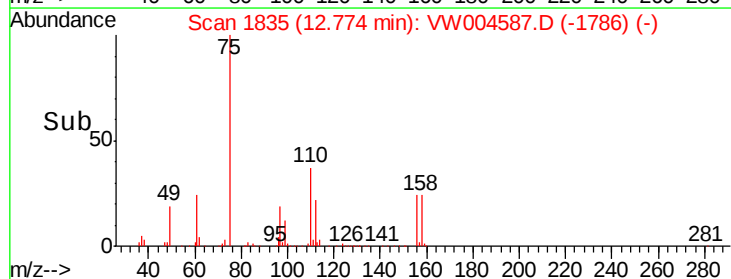
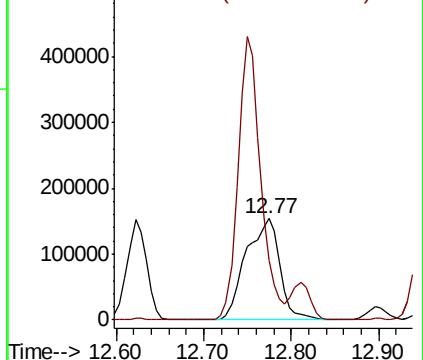
75 100

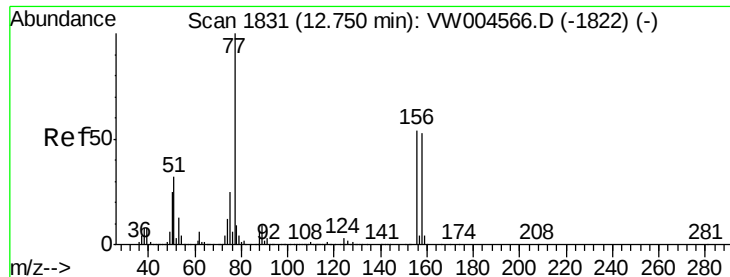
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.940 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

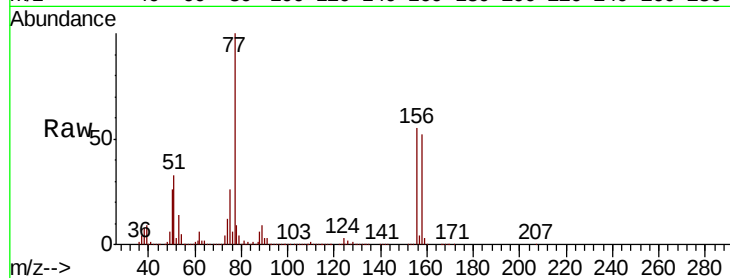
Tgt Ion:156 Resp: 397658

Ion Ratio Lower Upper

156 100

77 195.3 98.7 296.1

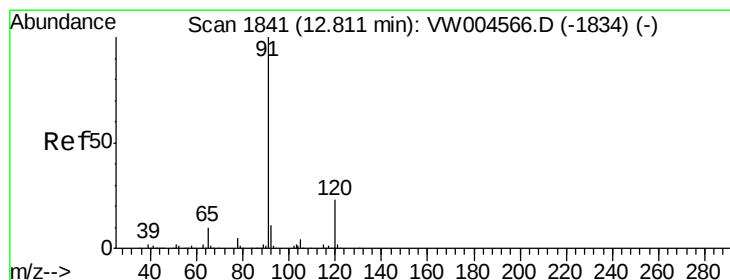
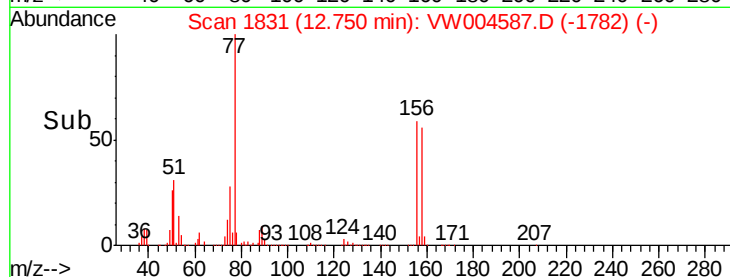
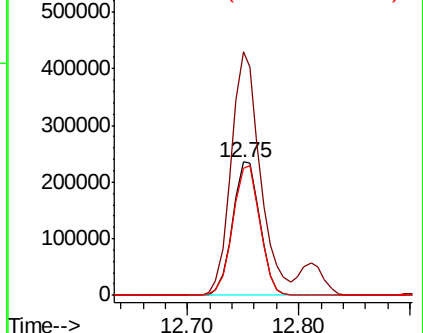
158 96.9 48.7 146.1



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: 55.082 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004587.D

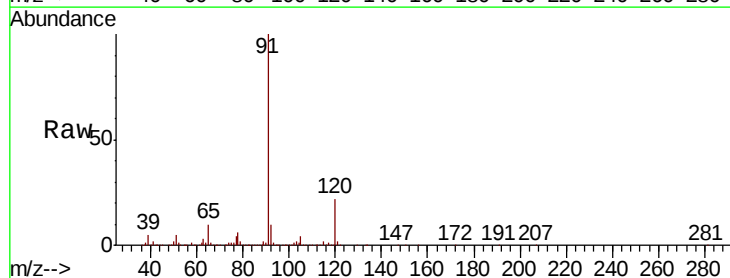
Acq: 10 Aug 2018 10:36

Tgt Ion: 91 Resp: 2236923

Ion Ratio Lower Upper

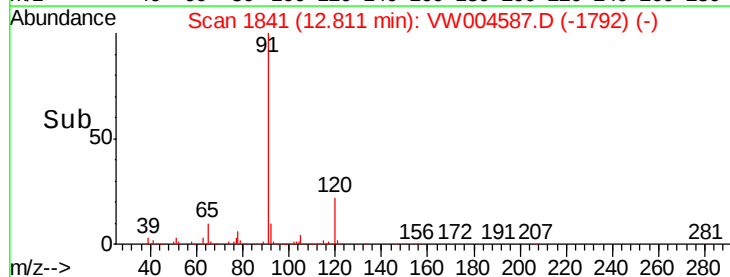
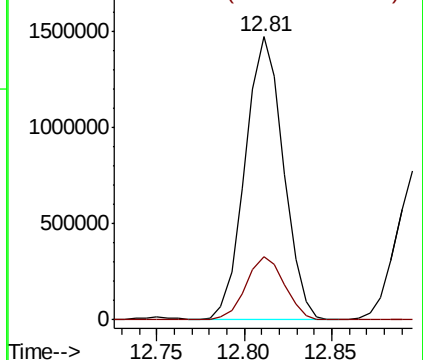
91 100

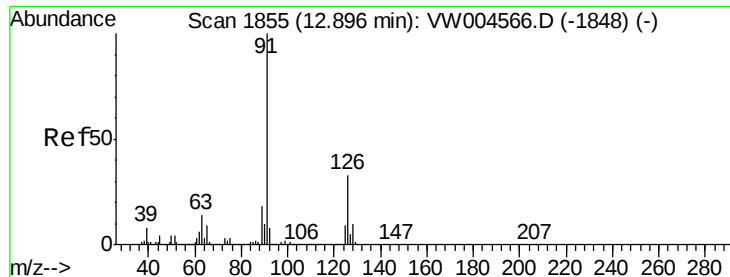
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

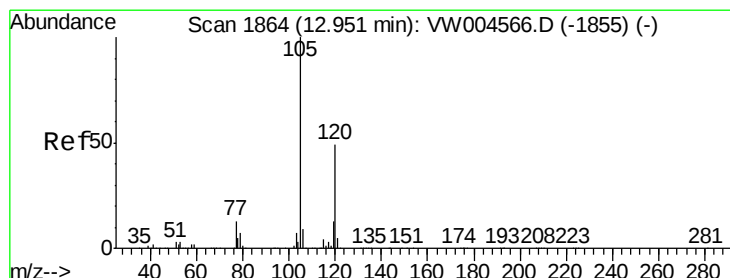
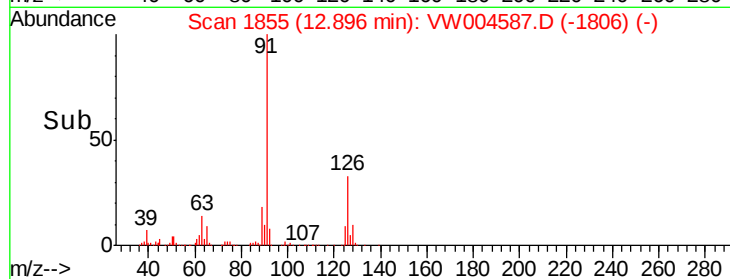
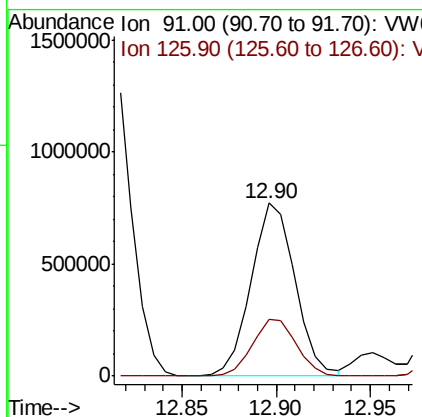
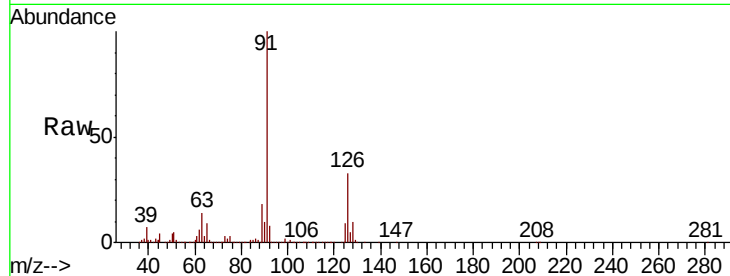




#79
 2-Chlorotoluene
 Concen: 53.013 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

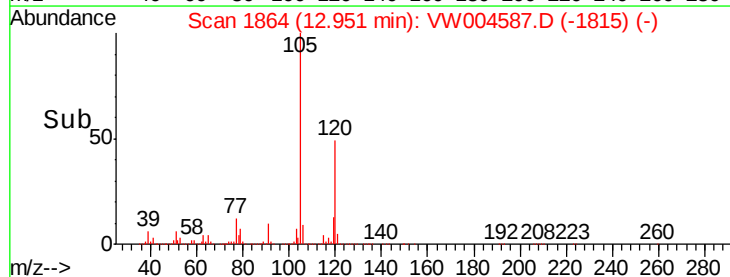
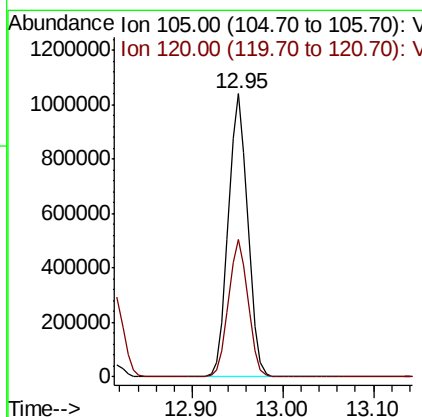
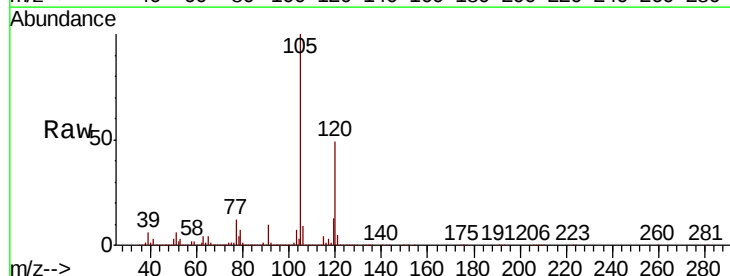
Instrument :
 MSVOA_W
 ClientSampled :

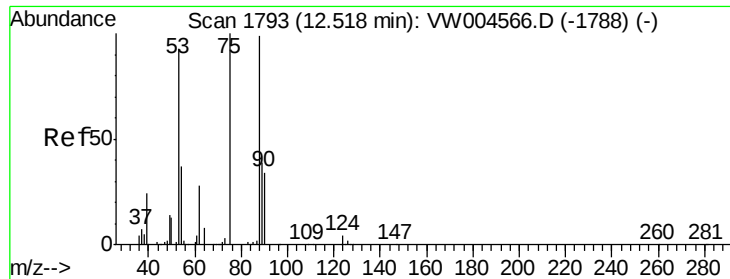
Tgt Ion: 91 Resp: 1245873
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 55.176 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion: 105 Resp: 1549064
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.560 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004587.D

Acq: 10 Aug 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

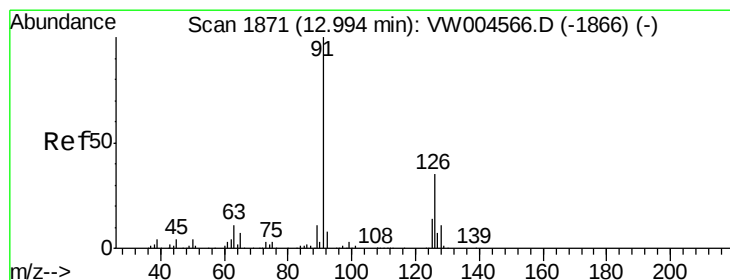
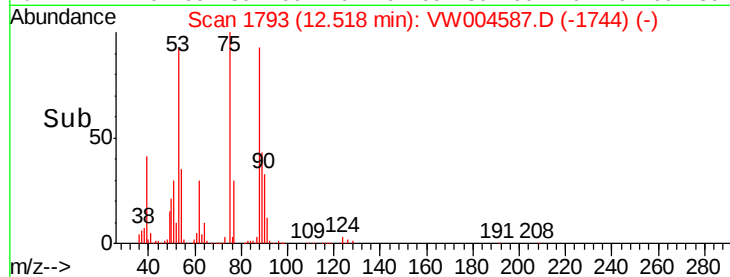
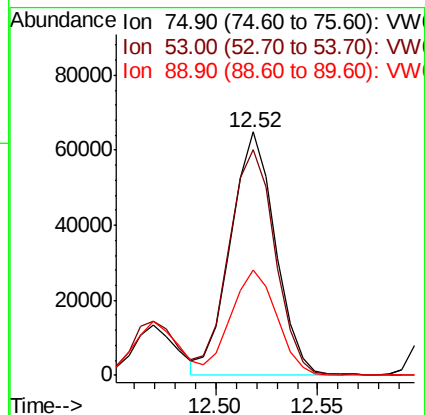
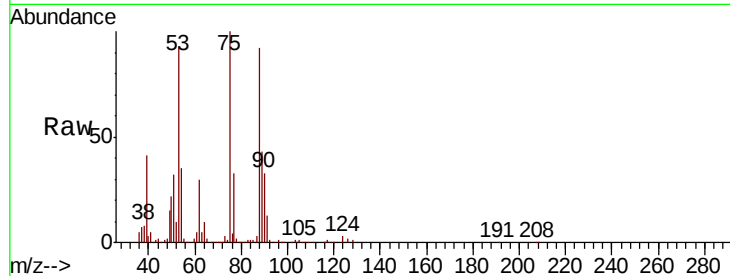
Tgt Ion: 75 Resp: 97820

Ion Ratio Lower Upper

75 100

53 96.9 74.4 111.6

89 44.3 35.9 53.9



#82

4-Chlorotoluene

Concen: 52.095 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004587.D

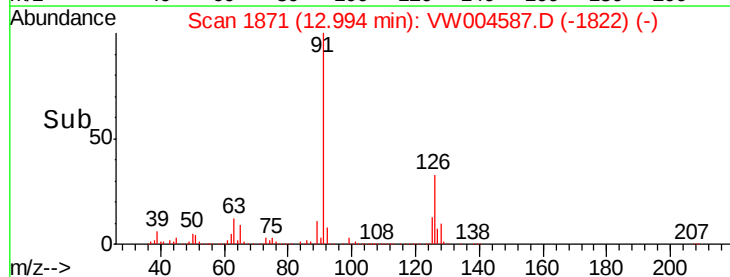
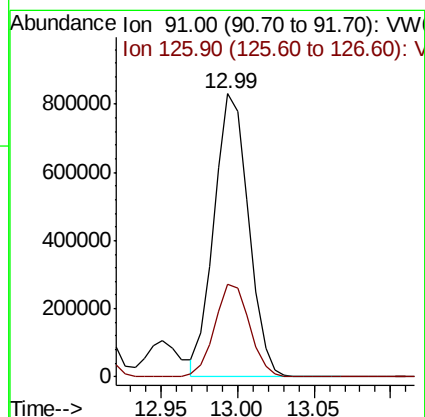
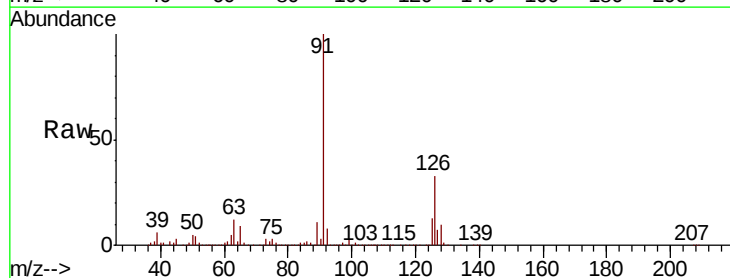
Acq: 10 Aug 2018 10:36

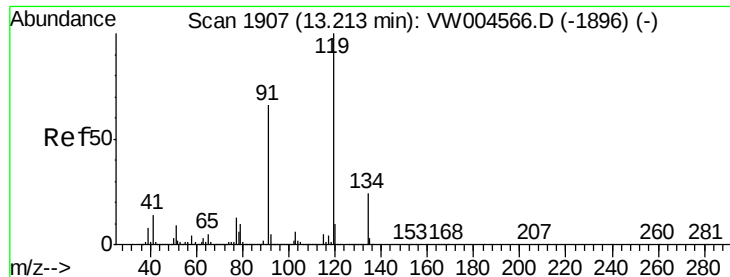
Tgt Ion: 91 Resp: 1299343

Ion Ratio Lower Upper

91 100

126 33.4 16.5 49.5

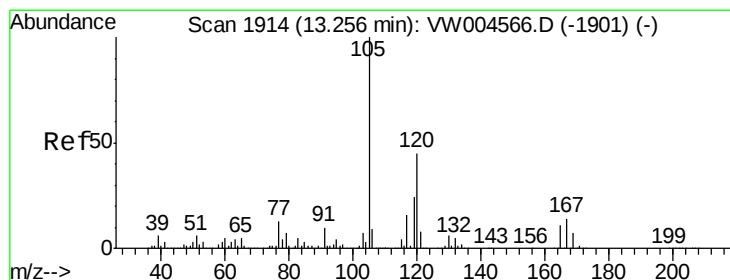
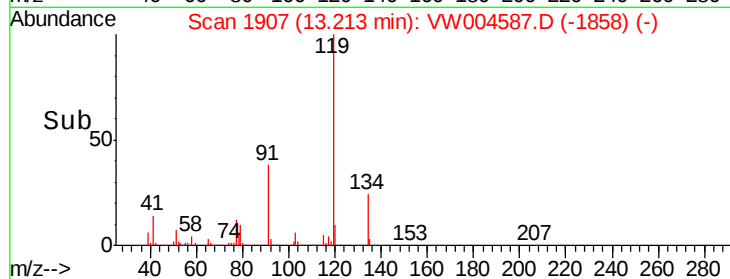
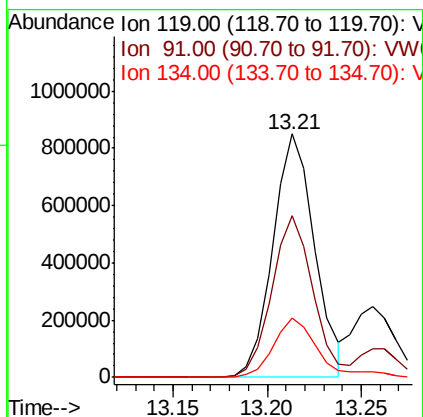
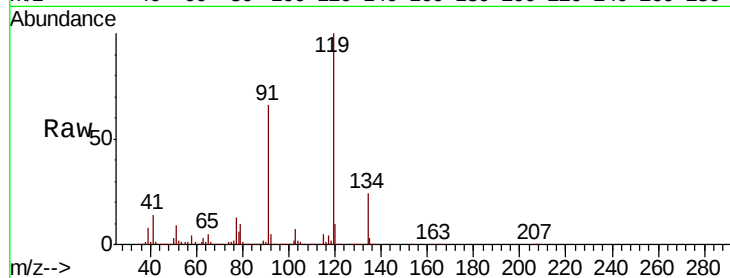




#83
tert-Butylbenzene
Concen: 55.522 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

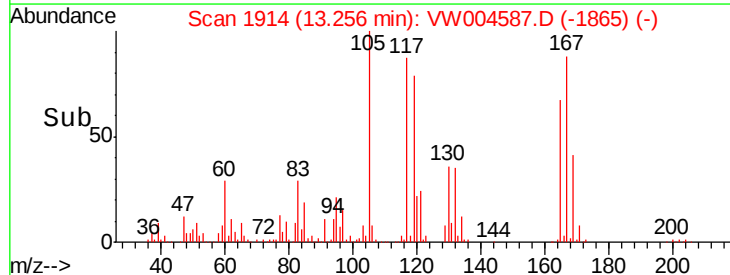
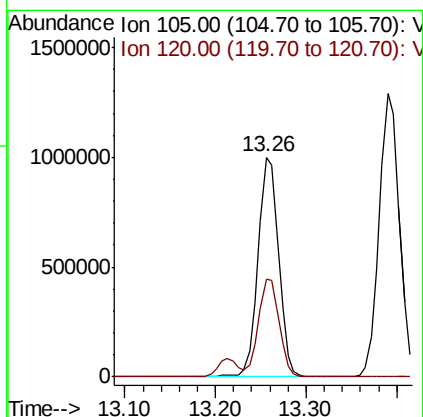
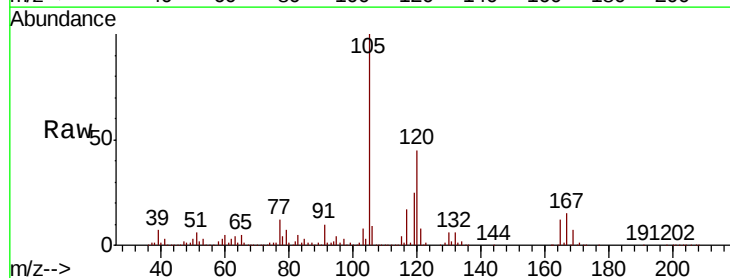
Instrument :
MSVOA_W
ClientSampleId :

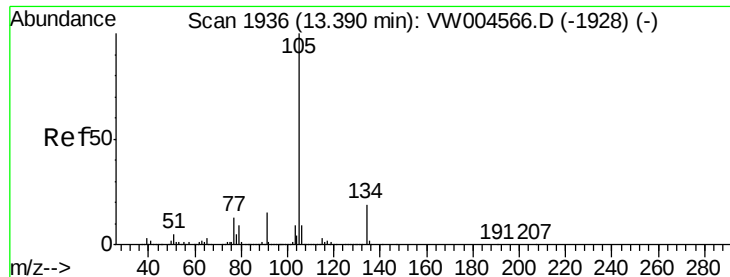
Tgt Ion:119 Resp: 1307482
Ion Ratio Lower Upper
119 100
91 65.8 33.3 99.8
134 26.2 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 54.025 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:105 Resp: 1570168
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8

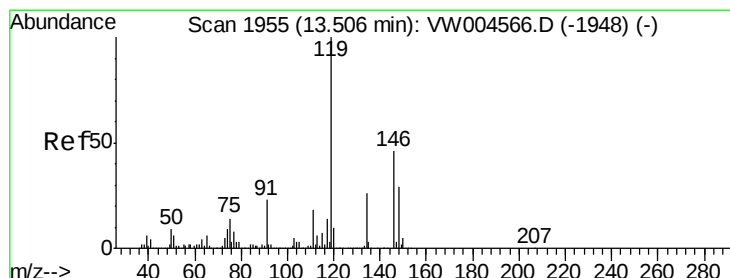
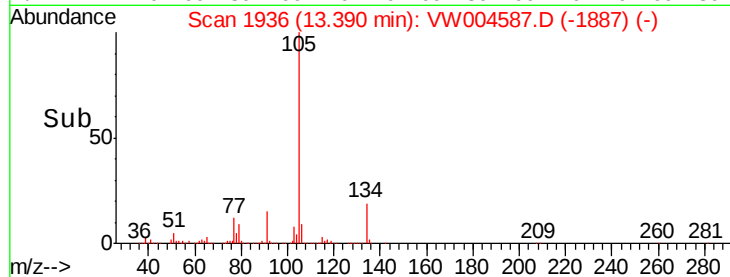
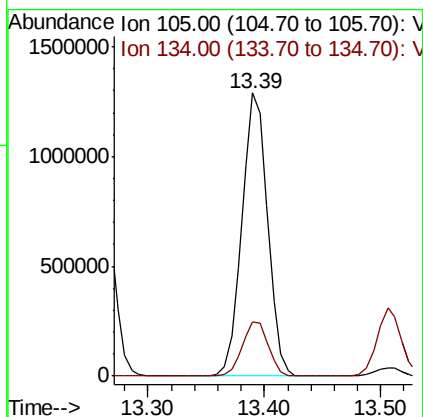
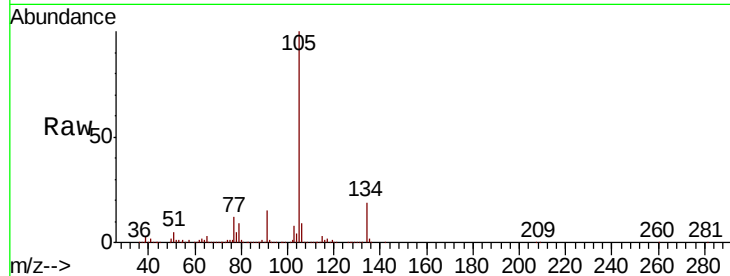




#85
 sec-Butylbenzene
 Concen: 55.878 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

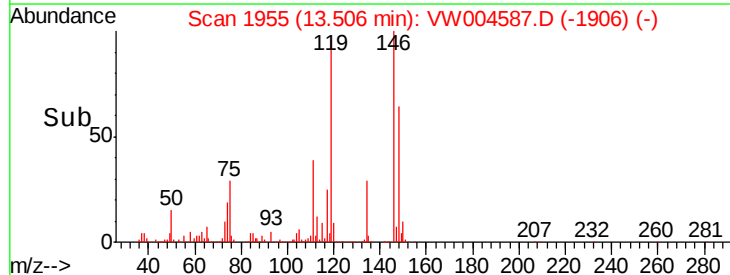
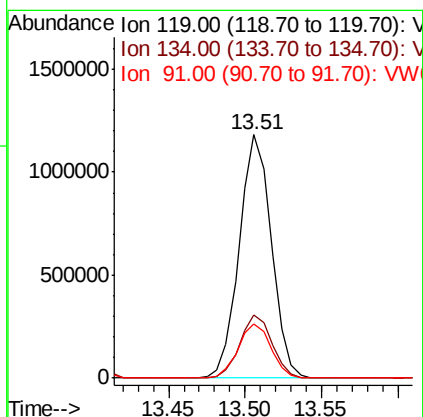
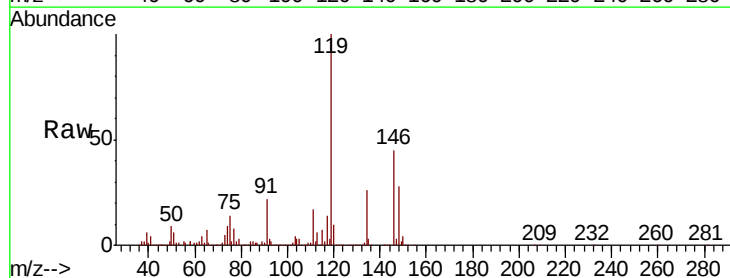
Instrument :
 MSVOA_W
 ClientSampled :

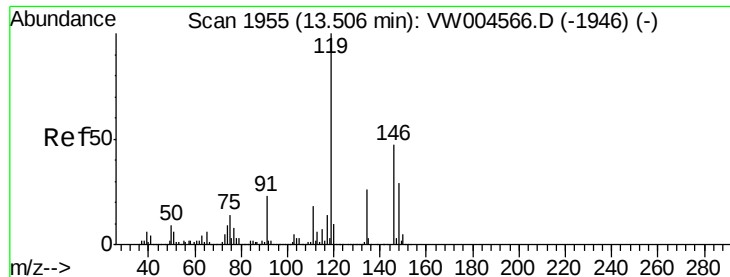
Tgt Ion:105 Resp: 1985097
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 56.066 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:119 Resp: 1725957
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 22.6 11.4 34.1

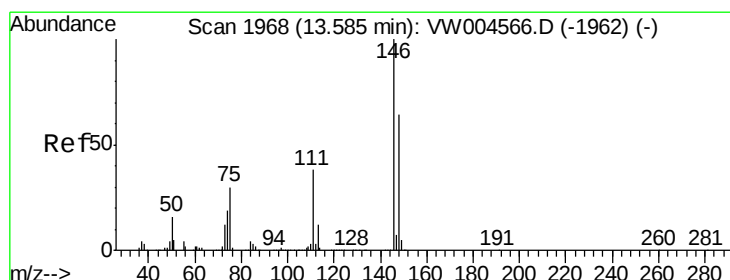
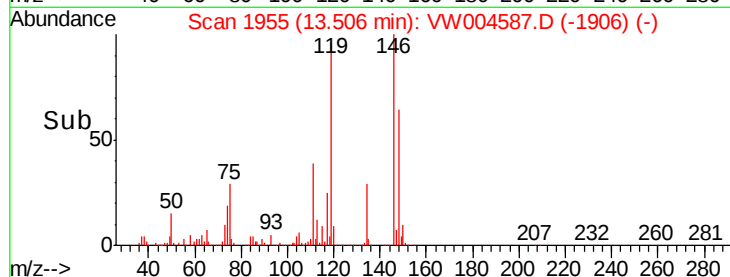
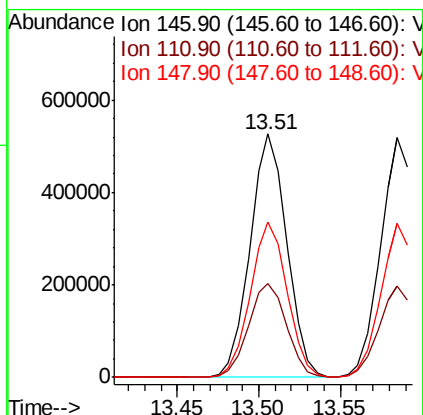
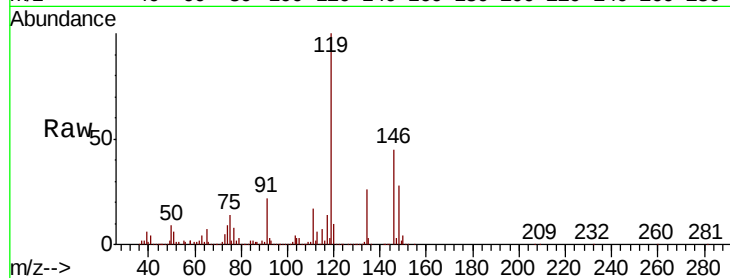




#87
 1,3-Dichlorobenzene
 Concen: 50.464 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

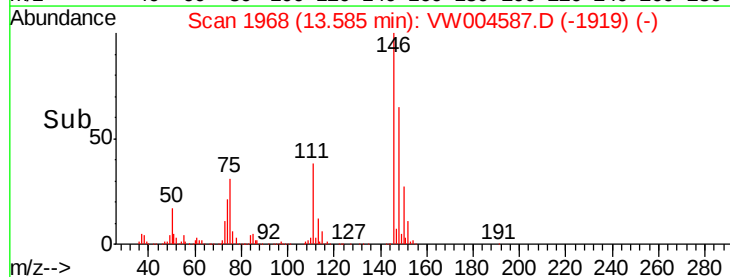
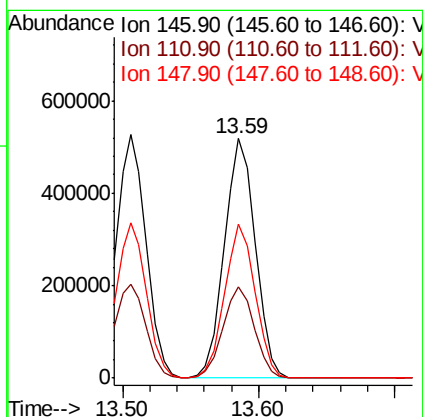
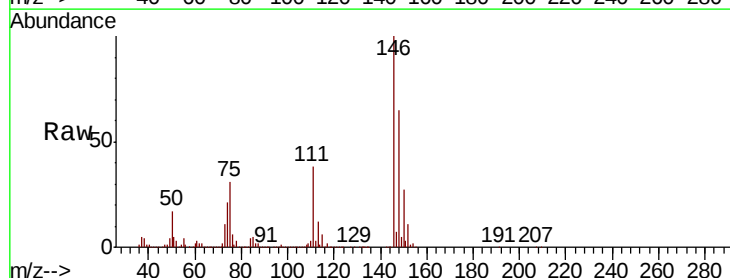
Instrument :
 MSVOA_W
 ClientSampleId :

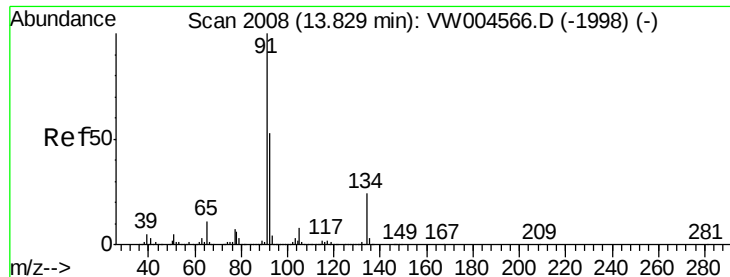
Tgt Ion:146 Resp: 827963
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 63.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.001 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:146 Resp: 816676
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.8
 148 63.6 31.9 95.5

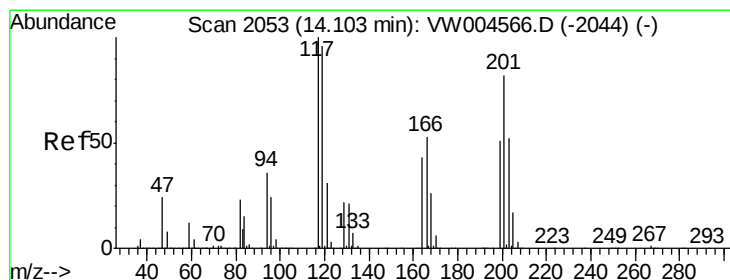
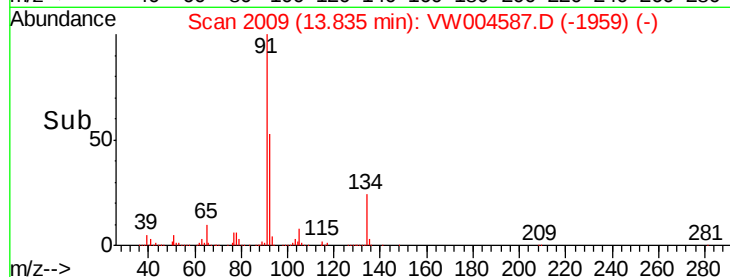
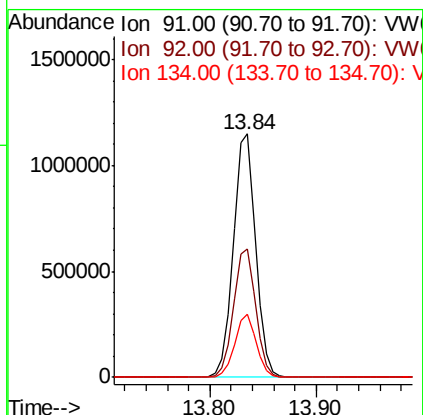
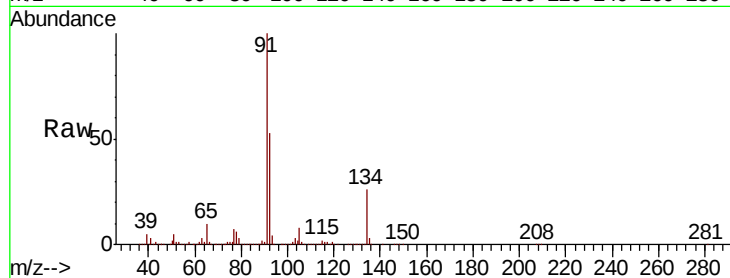




#89
n-Butylbenzene
Concen: 55.765 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

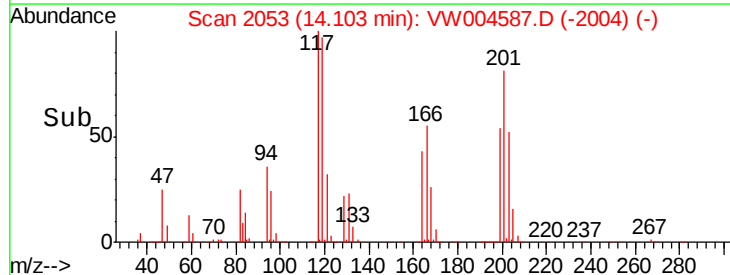
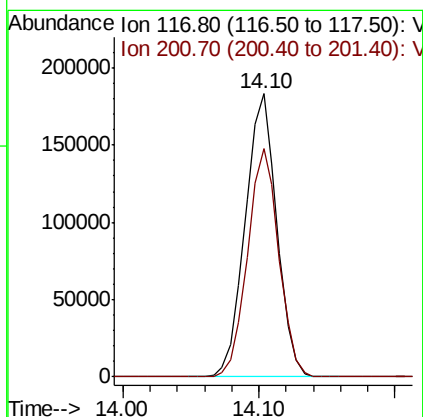
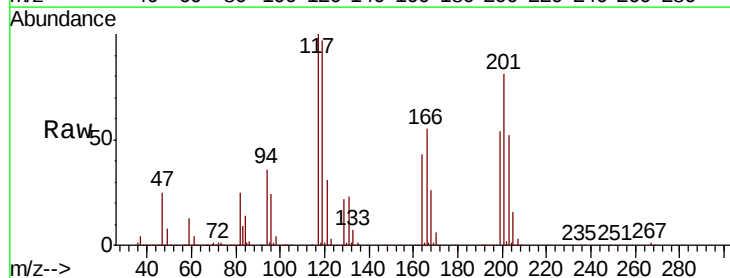
Instrument :
MSVOA_W
ClientSampleId :

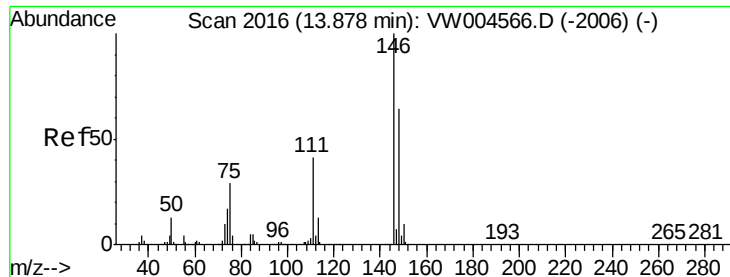
Tgt Ion: 91 Resp: 1686681
Ion Ratio Lower Upper
91 100
92 52.5 26.4 79.0
134 25.1 12.4 37.2



#90
Hexachloroethane
Concen: 52.196 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion: 117 Resp: 297291
Ion Ratio Lower Upper
117 100
201 80.0 40.1 120.3

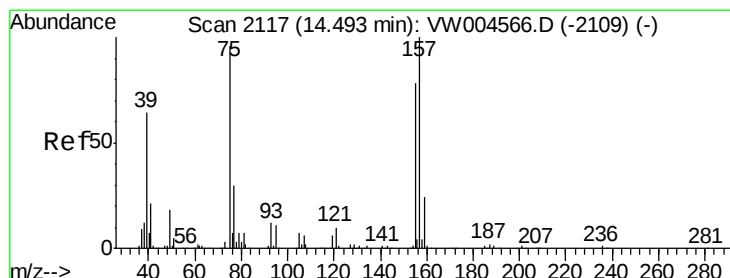
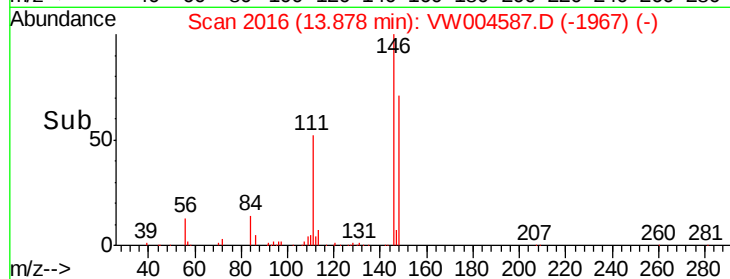
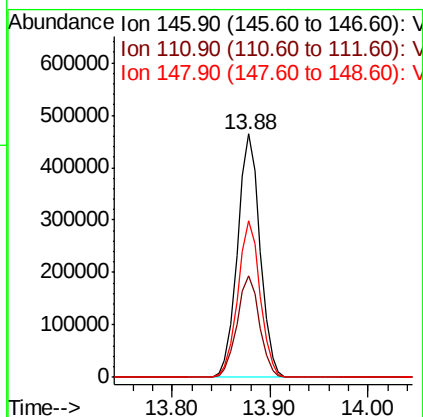
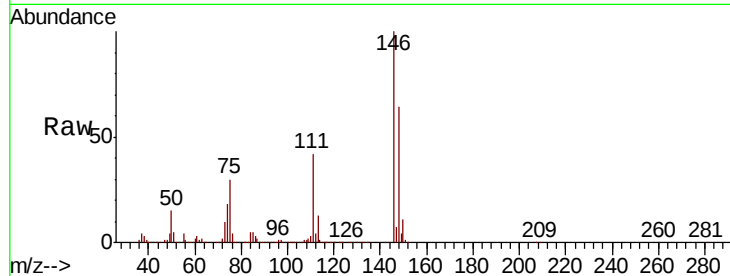




#91
 1,2-Dichlorobenzene
 Concen: 49.579 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

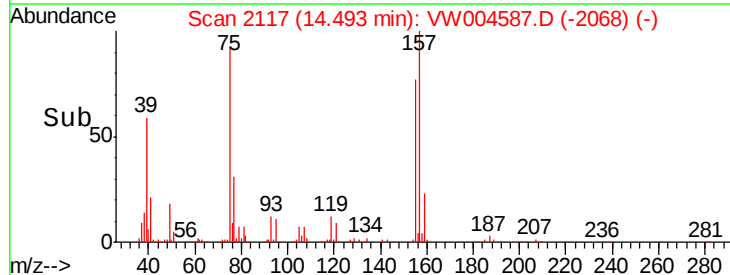
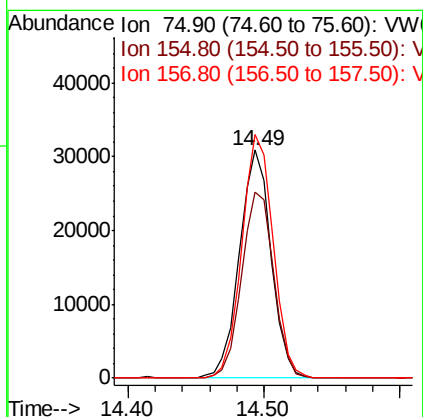
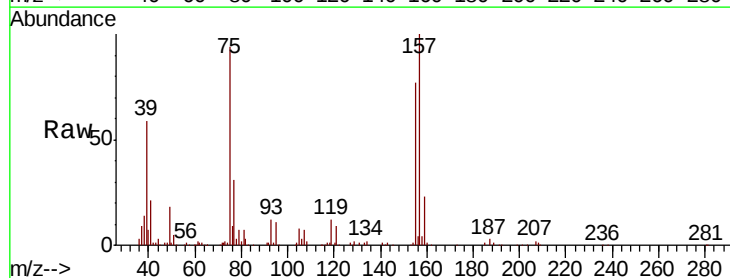
Instrument :
 MSVOA_W
 ClientSampleId :

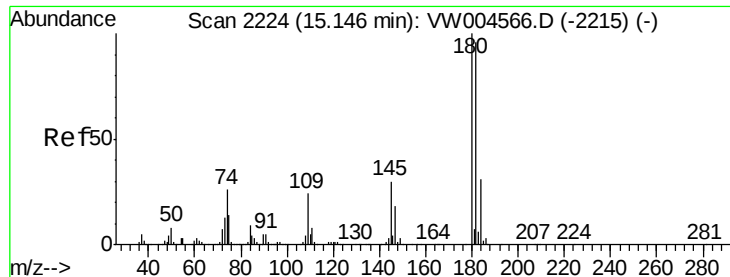
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.2
148	63.9	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.729 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	41.3	123.7
157	105.9	52.6	157.8

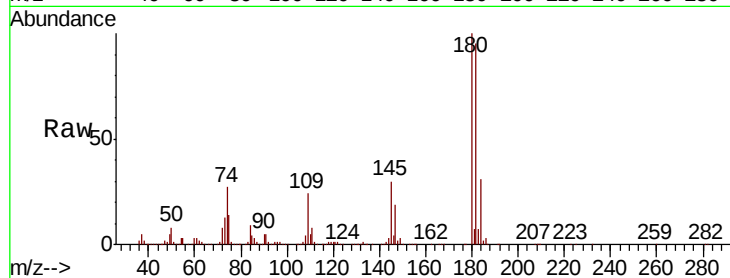




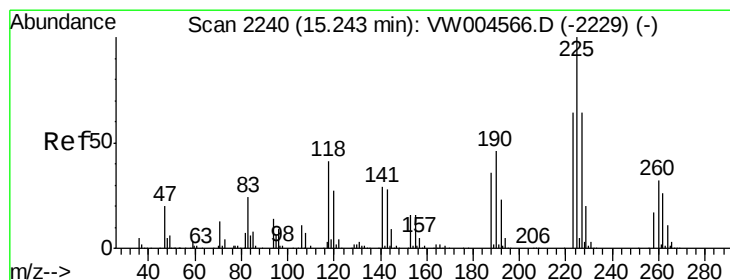
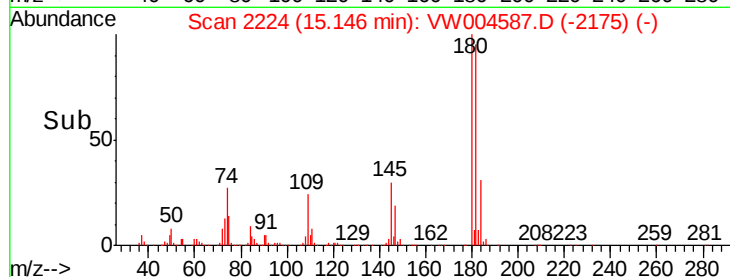
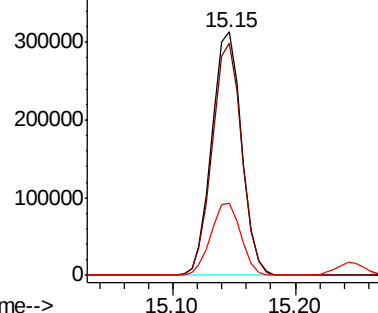
#93
 1,2,4-Trichlorobenzene
 Concen: 51.332 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:180 Resp: 529013
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.6
 145 30.0 14.9 44.9

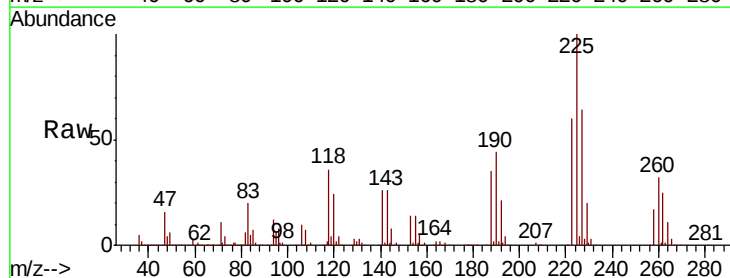


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

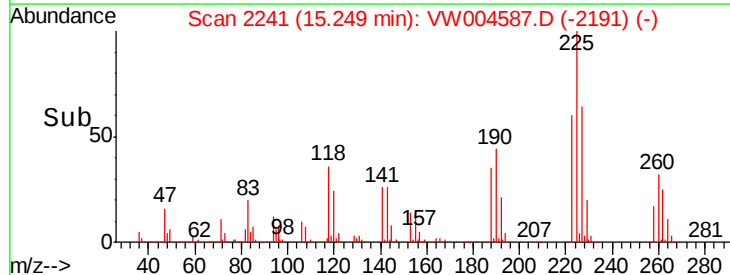
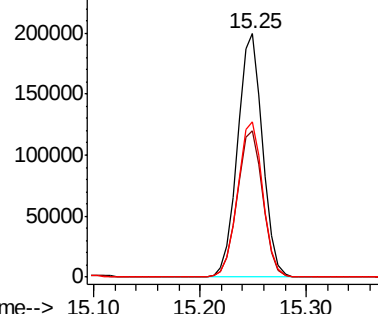


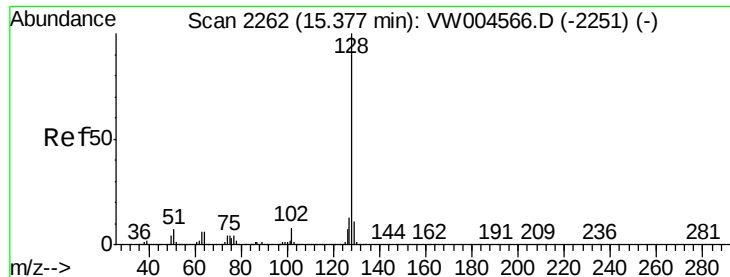
#94
 Hexachlorobutadiene
 Concen: 54.488 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW004587.D
 Acq: 10 Aug 2018 10:36

Tgt Ion:225 Resp: 326977
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 64.5 31.8 95.4



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

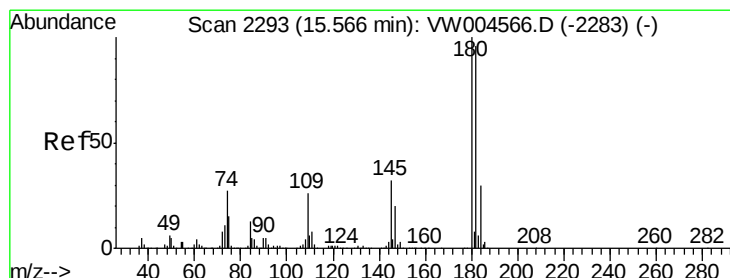
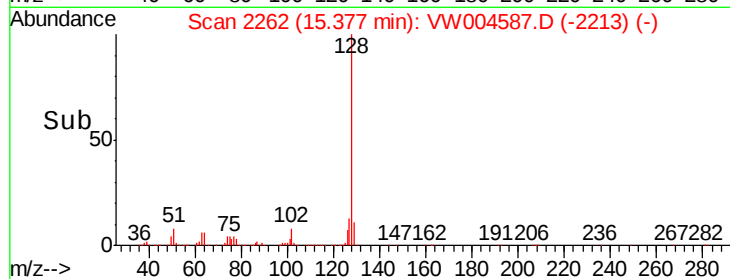
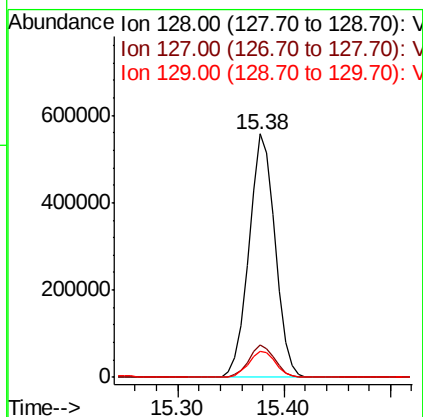
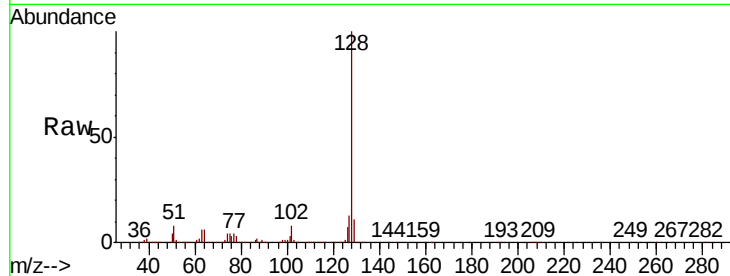




#95
Naphthalene
Concen: 45.414 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 959850
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.858 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004587.D
Acq: 10 Aug 2018 10:36

Tgt Ion:180 Resp: 471000
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.2
145 31.9 15.9 47.6

