

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090818\
 Data File : VW005231.D
 Acq On : 08 Sep 2018 01:53
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 08 02:45:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090818S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 08 02:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	485754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	716010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	709034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	378542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	382216	94.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.80%	
35) Dibromofluoromethane	7.89	113	388528	94.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.98%	
50) Toluene-d8	10.33	98	1932815	101.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.58%	
62) 4-Bromofluorobenzene	12.63	95	707130	104.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	381029	97.635	ug/l	99
3) Chloromethane	2.22	50	567846	101.471	ug/l	99
4) Vinyl Chloride	2.36	62	513735	94.955	ug/l	99
5) Bromomethane	2.75	94	322250	86.558	ug/l	97
6) Chloroethane	2.91	64	299248	89.954	ug/l	99
7) Trichlorofluoromethane	3.26	101	539921	88.820	ug/l	99
8) Diethyl Ether	3.69	74	224419	101.321	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	375764	89.666	ug/l	99
10) Methyl Iodide	4.28	142	580845	109.064	ug/l	100
11) Tert butyl alcohol	5.17	59	164527	561.503	ug/l	99
12) 1,1-Dichloroethene	4.04	96	377417	97.837	ug/l	99
13) Acrolein	3.90	56	156744	588.810	ug/l	99
14) Allyl chloride	4.68	41	619860	102.932	ug/l	99
15) Acrylonitrile	5.37	53	547853	576.502	ug/l	99
16) Acetone	4.13	43	364908	463.449	ug/l	100
17) Carbon Disulfide	4.38	76	1440618	106.730	ug/l	99
18) Methyl Acetate	4.68	43	247633	105.523	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	997878	105.632	ug/l	99
20) Methylene Chloride	4.92	84	525544	79.806	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	457146	97.347	ug/l	98
22) Diisopropyl ether	6.32	45	1346392	106.060	ug/l	98
23) Vinyl Acetate	6.26	43	3641895	543.014	ug/l	100
24) 1,1-Dichloroethane	6.23	63	767233	97.028	ug/l	100
25) 2-Butanone	7.18	43	602937	445.586	ug/l	97
26) 2,2-Dichloropropane	7.18	77	542675	84.094	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	506154	98.720	ug/l	99
28) Bromochloromethane	7.52	49	285721	89.938	ug/l	98
29) Tetrahydrofuran	7.53	42	423807	591.026	ug/l	100
30) Chloroform	7.68	83	767943	95.170	ug/l	100
31) Cyclohexane	7.96	56	734590	93.992	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	635102	90.292	ug/l	100
36) 1,1-Dichloropropene	8.09	75	633597	94.701	ug/l	99
37) Ethyl Acetate	7.26	43	264457	104.049	ug/l	98
38) Carbon Tetrachloride	8.07	117	562313	88.703	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	873258	107.410	ug/l	99
40) Benzene	8.33	78	2037742	99.384	ug/l	99
41) Methacrylonitrile	7.49	41	154511	106.097	ug/l	96
42) 1,2-Dichloroethane	8.41	62	473289	94.441	ug/l	100
43) Isopropyl Acetate	8.43	43	527294	113.629	ug/l	99
44) Trichloroethene	9.10	130	524070	94.912	ug/l	100
45) 1,2-Dichloropropane	9.38	63	476730	95.458	ug/l	98
46) Dibromomethane	9.46	93	230534	96.510	ug/l	99
47) Bromodichloromethane	9.65	83	555746	92.558	ug/l	98
48) Methyl methacrylate	9.44	41	292360	128.818	ug/l	99
49) 1,4-Dioxane	9.45	88	93917	2392.917	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1513865	503.954	ug/l	100
52) Toluene	10.40	92	1439781	103.611	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	627797	105.574	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	719341	100.059	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	368307	99.069	ug/l	99
56) Ethyl methacrylate	10.65	69	538143	124.574	ug/l	100
57) 1,3-Dichloropropane	10.94	76	628362	102.216	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1099856	546.360	ug/l	100
59) 2-Hexanone	10.98	43	1079421	528.890	ug/l	100
60) Dibromochloromethane	11.13	129	426356	101.414	ug/l	99
61) 1,2-Dibromoethane	11.24	107	351218	103.997	ug/l	100
64) Tetrachloroethene	10.87	164	551936	99.667	ug/l	97
65) Chlorobenzene	11.66	112	1587638	100.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	480001	99.851	ug/l	99
67) Ethyl Benzene	11.74	91	2811642	105.920	ug/l	100
68) m/p-Xylenes	11.85	106	2222473	209.350	ug/l	99
69) o-Xylene	12.17	106	1049540	106.511	ug/l	99
70) Styrene	12.19	104	1769617	109.054	ug/l	100
71) Bromoform	12.35	173	275496	107.153	ug/l #	99
73) Isopropylbenzene	12.47	105	2800809	106.504	ug/l	100
74) N-amyl acetate	12.28	43	602156	128.930	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	449441	110.072	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	591914	206.536	ug/l #	100
77) Bromobenzene	12.76	156	671800	103.428	ug/l	98
78) n-propylbenzene	12.81	91	3359146	106.087	ug/l	100
79) 2-Chlorotoluene	12.90	91	1927820	104.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2439085	107.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	134019	113.717	ug/l	98
82) 4-Chlorotoluene	13.00	91	2010542	102.757	ug/l	100
83) tert-Butylbenzene	13.21	119	2046877	107.320	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2479116	107.545	ug/l	99
85) sec-Butylbenzene	13.39	105	2963590	106.320	ug/l	100
86) p-Isopropyltoluene	13.51	119	2694983	109.305	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1366989	102.662	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1342433	101.470	ug/l	100
89) n-Butylbenzene	13.83	91	2536735	111.220	ug/l	100
90) Hexachloroethane	14.10	117	433236	105.234	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	1225063	105.126	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77885	120.532	ug/l	99

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QLast Update : Sat Sep 08 02:41:16 2018
Response via : Initial Calibration

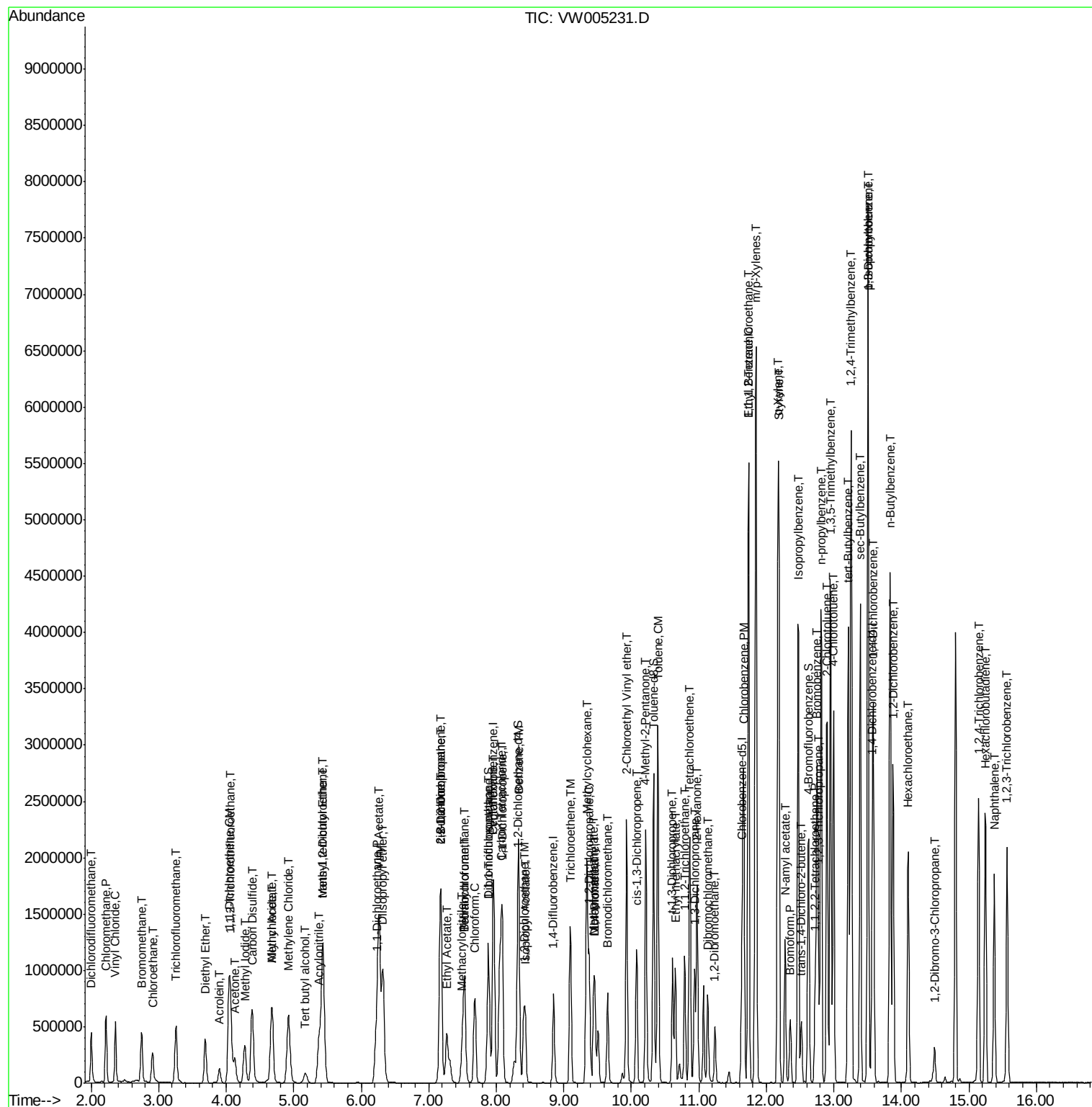
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	894119	114.904	ug/l	100
94) Hexachlorobutadiene	15.24	225	523083	107.426	ug/l	100
95) Naphthalene	15.38	128	1644168	133.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	784059	117.257	ug/l	99

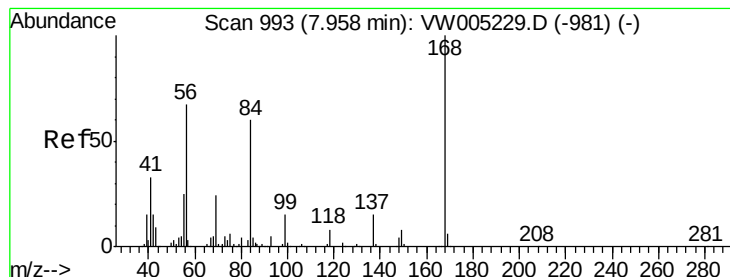
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

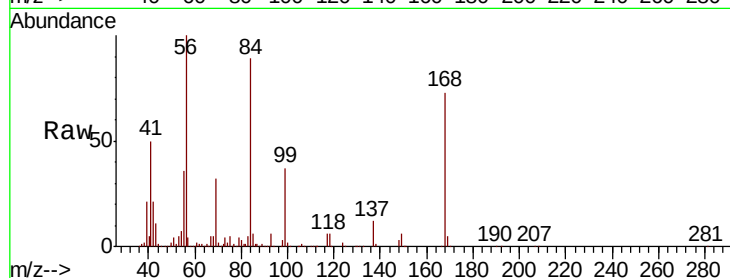
VSTDIC100

Tgt Ion:168 Resp: 485754

Ion Ratio Lower Upper

168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

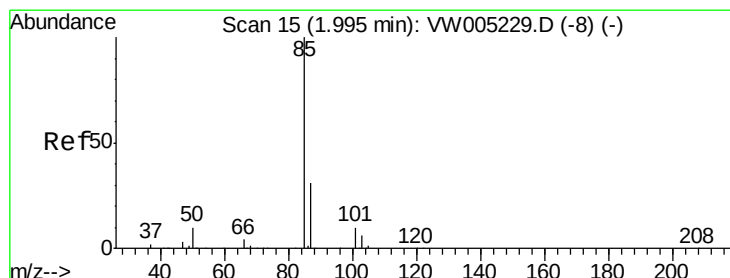
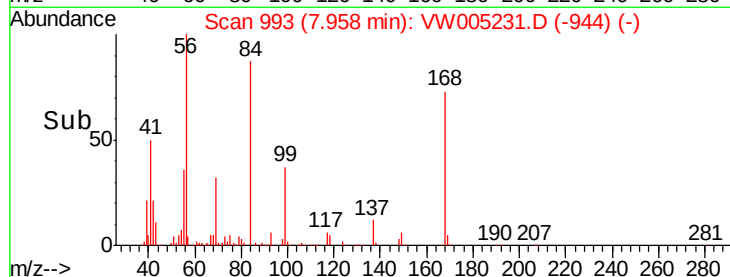
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 97.635 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW005231.D

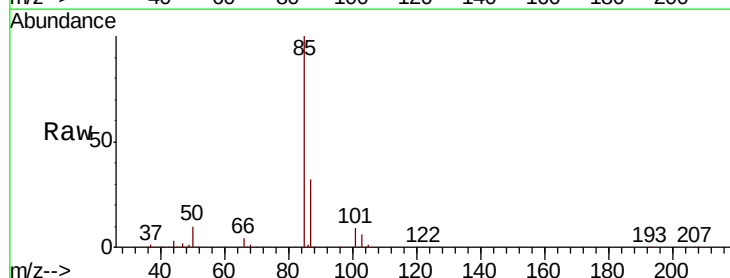
Acq: 08 Sep 2018 01:53

Tgt Ion: 85 Resp: 381029

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

300000

250000

200000

150000

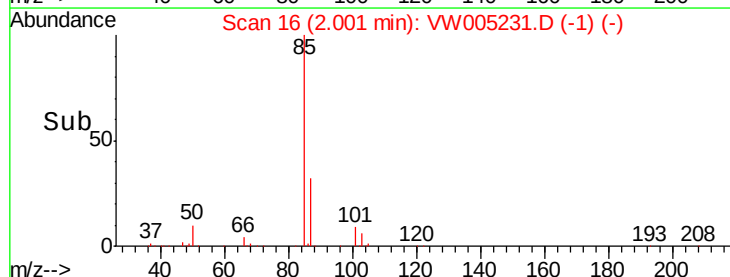
100000

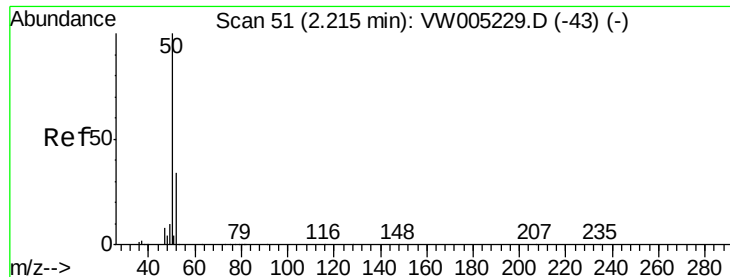
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 101.471 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

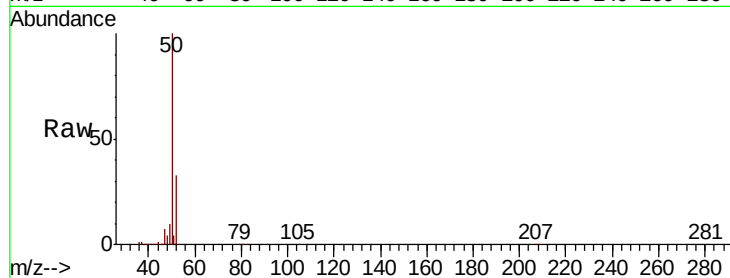
VSTDIC100

Tgt Ion: 50 Resp: 567846

Ion Ratio Lower Upper

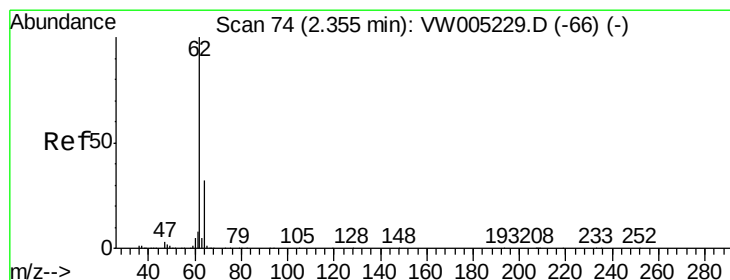
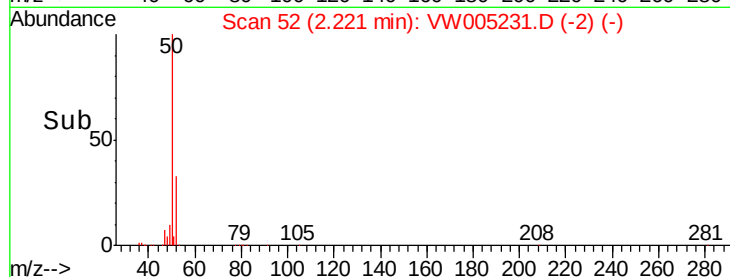
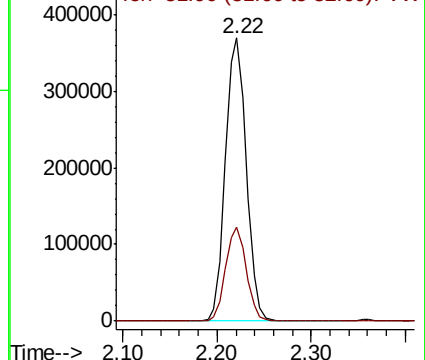
50 100

52 33.1 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 94.955 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005231.D

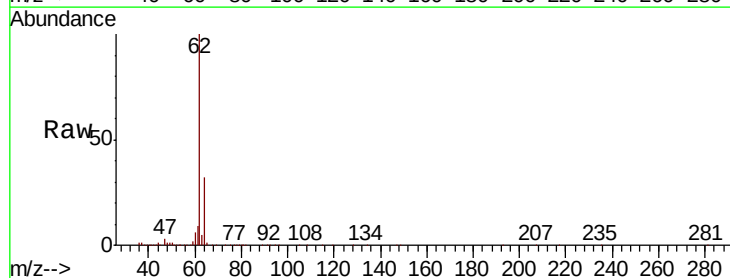
Acq: 08 Sep 2018 01:53

Tgt Ion: 62 Resp: 513735

Ion Ratio Lower Upper

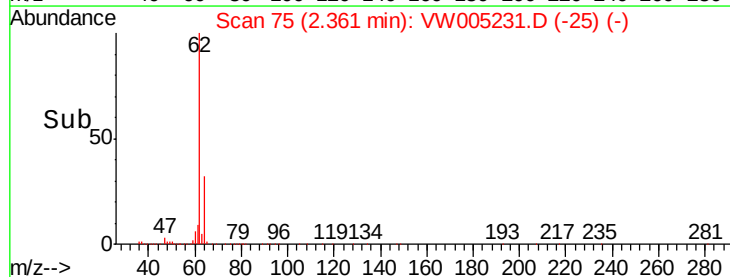
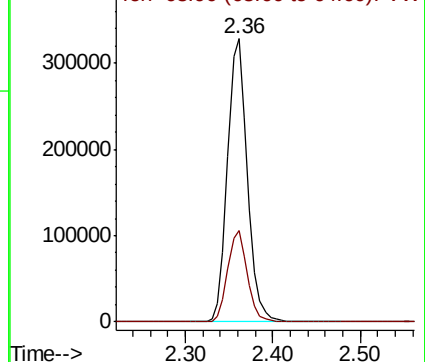
62 100

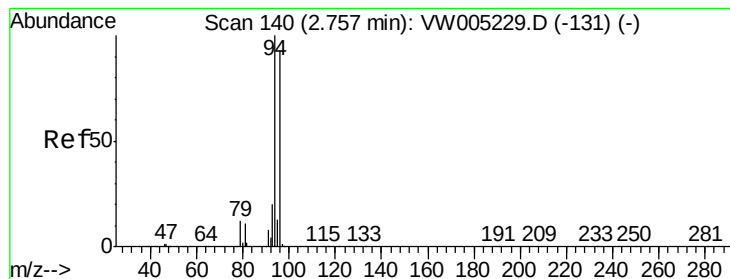
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 86.558 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

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Acq: 08 Sep 2018 01:53

Instrument :

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ClientSampleId :

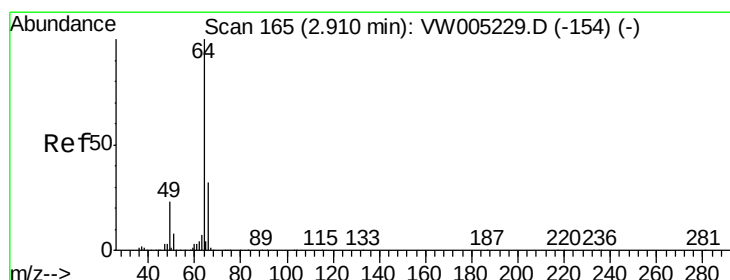
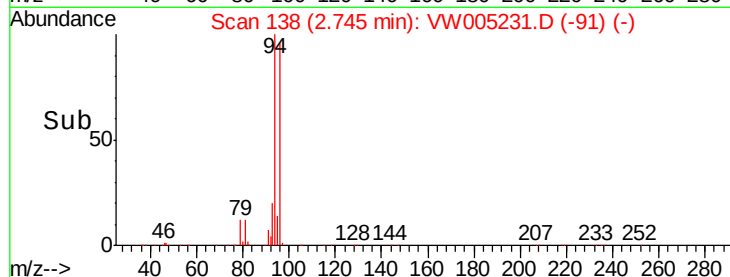
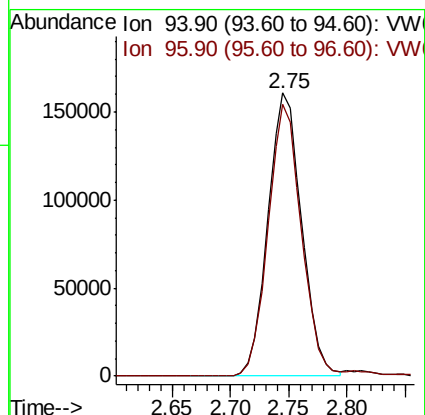
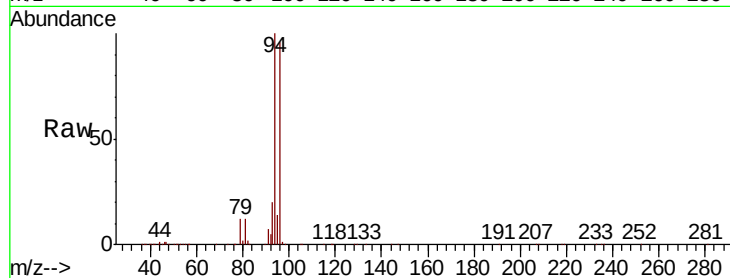
VSTDICC100

Tgt Ion: 94 Resp: 322250

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



#6

Chloroethane

Concen: 89.954 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW005231.D

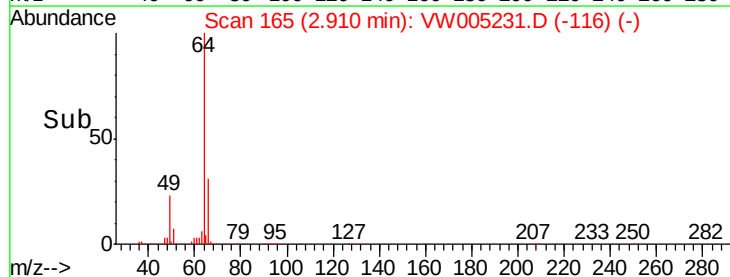
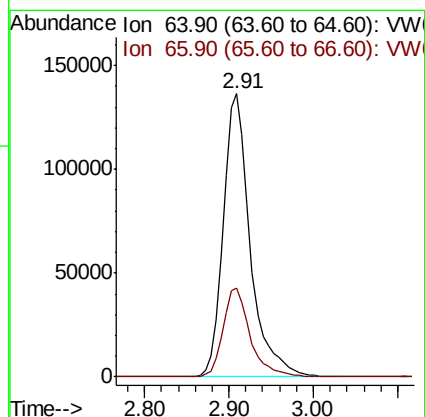
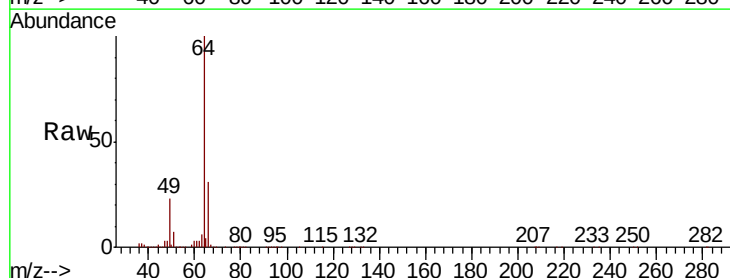
Acq: 08 Sep 2018 01:53

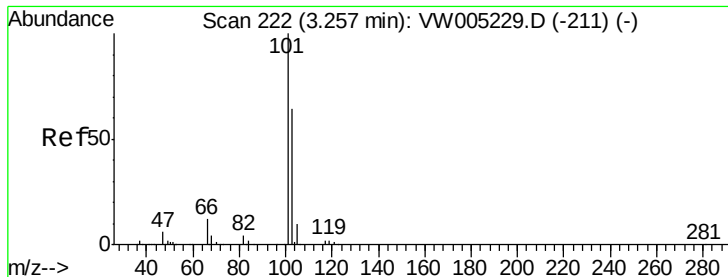
Tgt Ion: 64 Resp: 299248

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



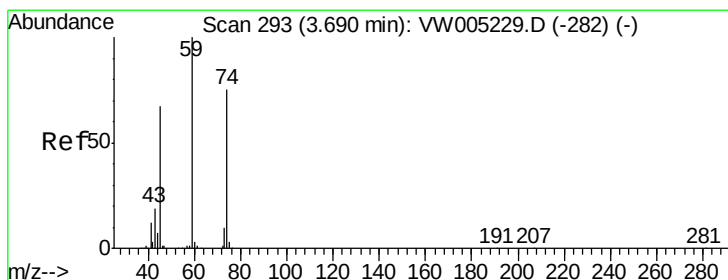
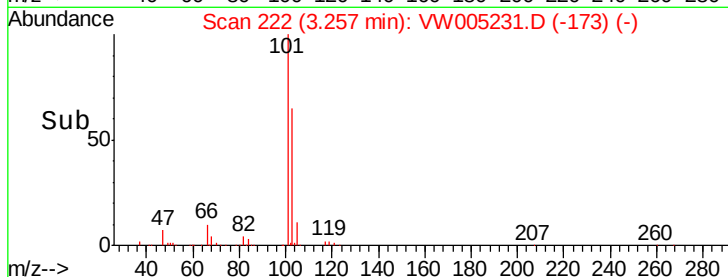
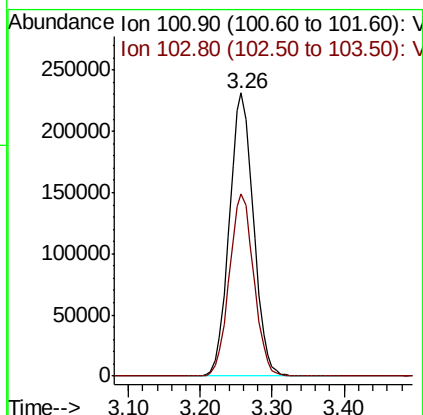
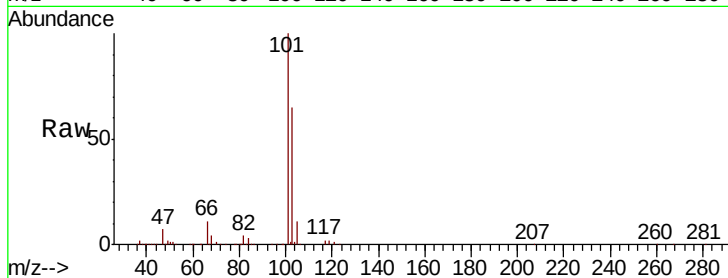


#7

Trichlorofluoromethane
 Concen: 88.820 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005231.D
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Instrument :
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 VSTDIC100

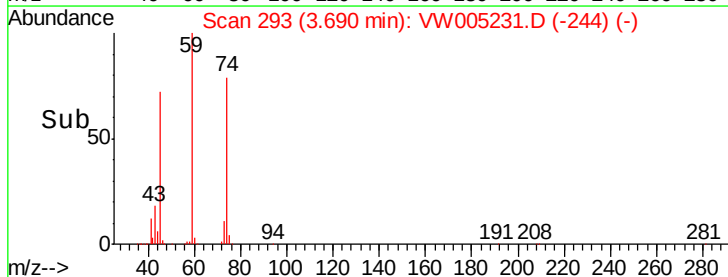
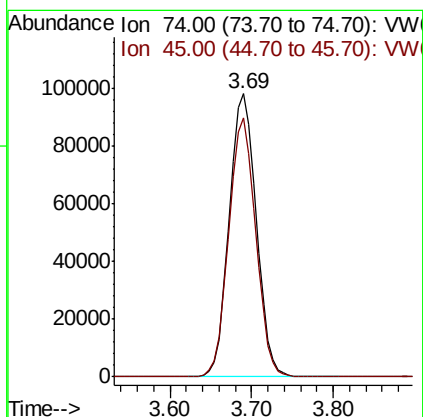
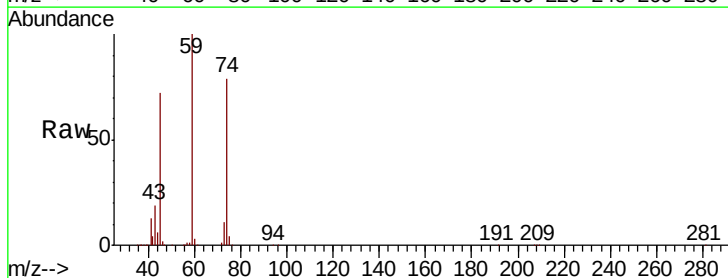
Tgt Ion: 101 Resp: 539921
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.0 76.6

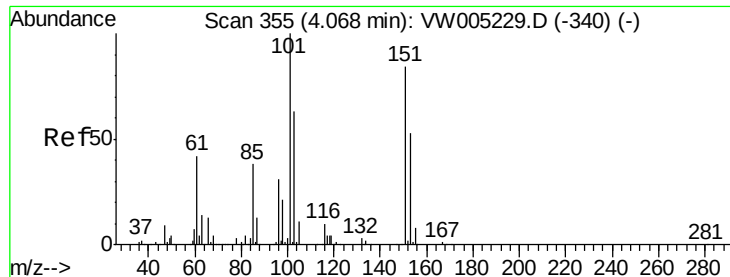


#8

Diethyl Ether
 Concen: 101.321 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 74 Resp: 224419
 Ion Ratio Lower Upper
 74 100
 45 90.7 46.5 139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.666 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

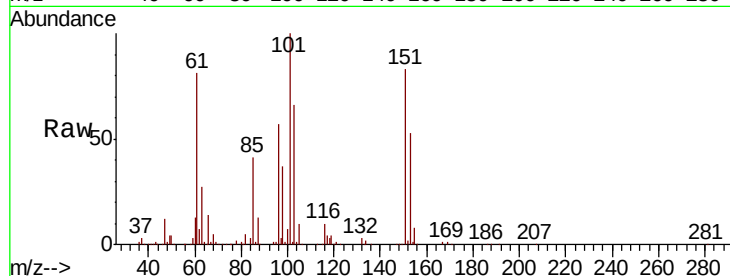
Tgt Ion:101 Resp: 375764

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

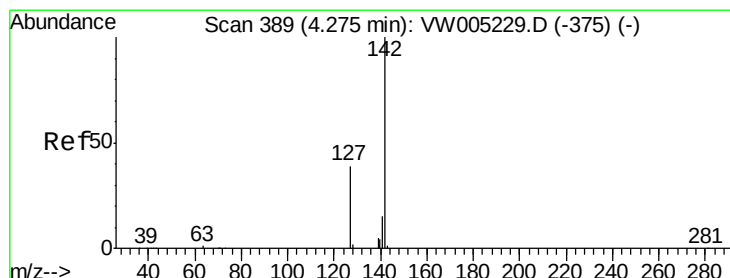
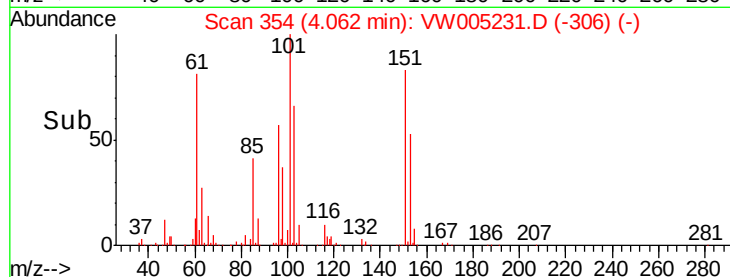
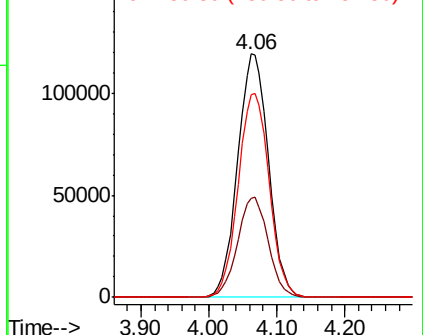
151 84.0 67.7 101.5



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: 109.064 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

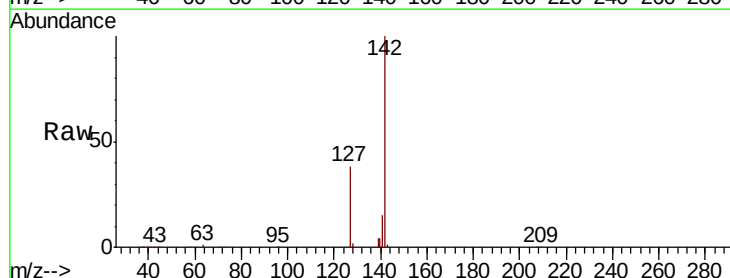
Tgt Ion:142 Resp: 580845

Ion Ratio Lower Upper

142 100

127 38.0 30.6 45.8

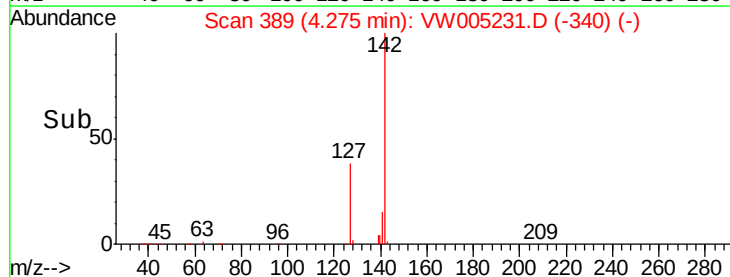
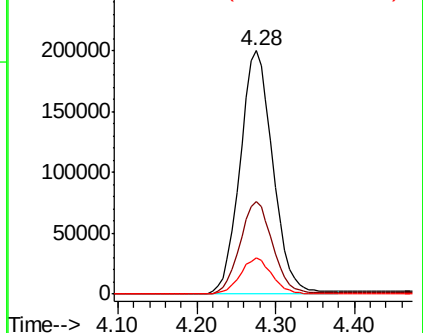
141 14.4 11.6 17.4

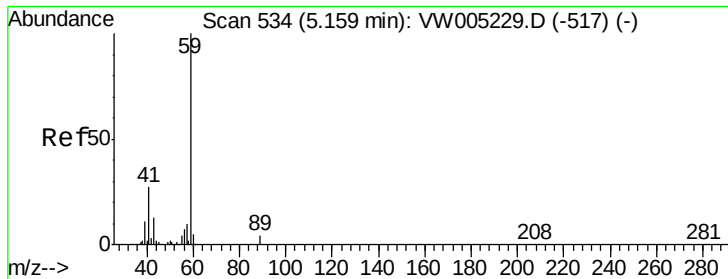


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



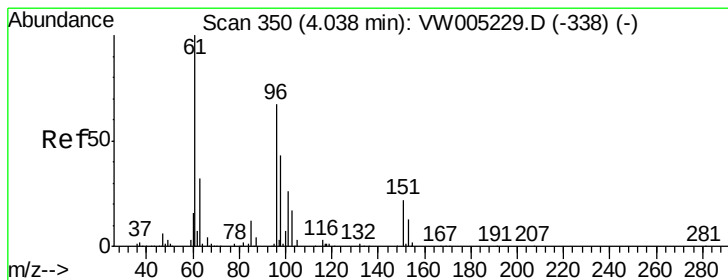
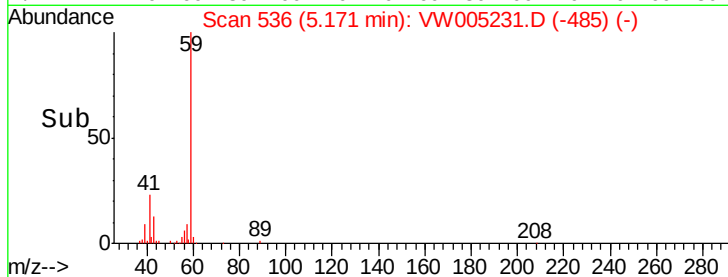
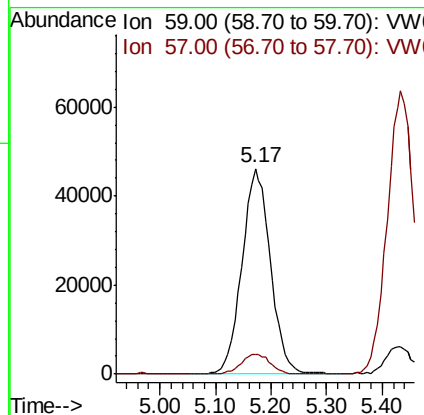
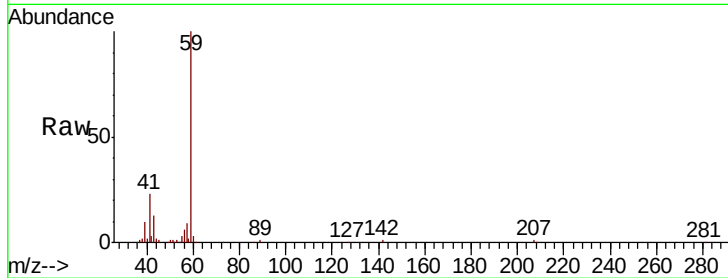


#11

Tert butyl alcohol
Concen: 561.503 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

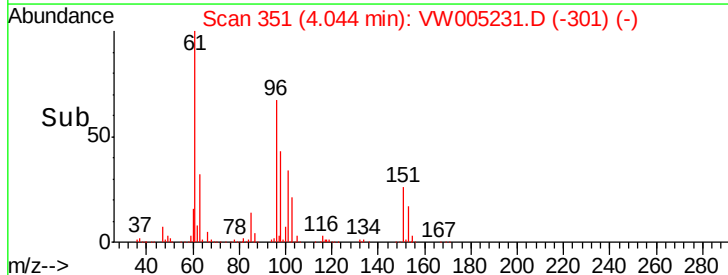
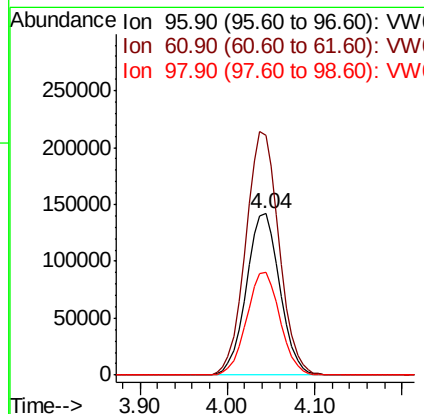
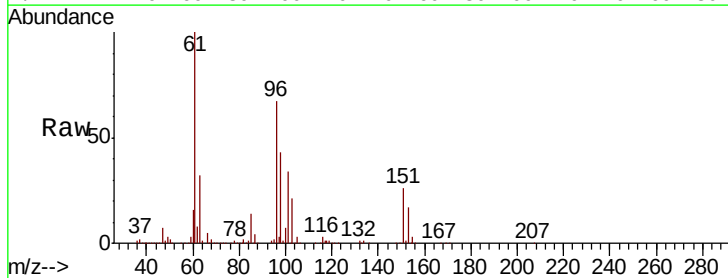
Tgt Ion: 59 Resp: 164527
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

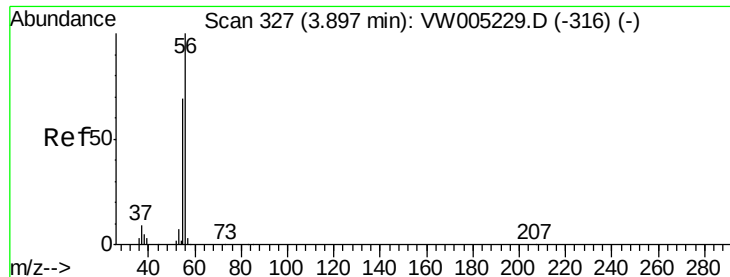


#12

1,1-Dichloroethene
Concen: 97.837 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 96 Resp: 377417
Ion Ratio Lower Upper
96 100
61 148.7 120.3 180.5
98 64.1 51.9 77.9





#13

Acrolein

Concen: 588.810 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

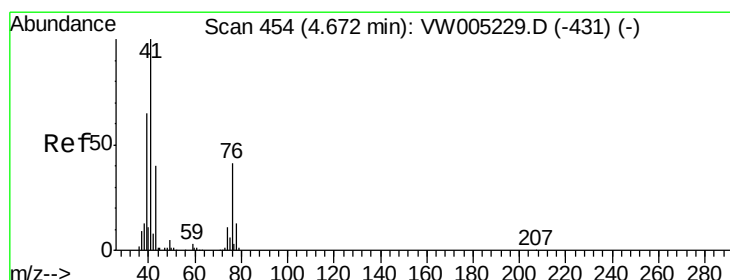
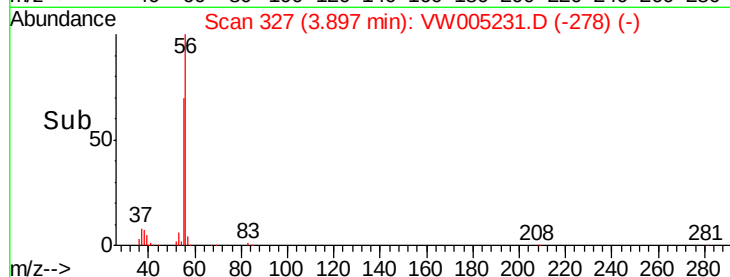
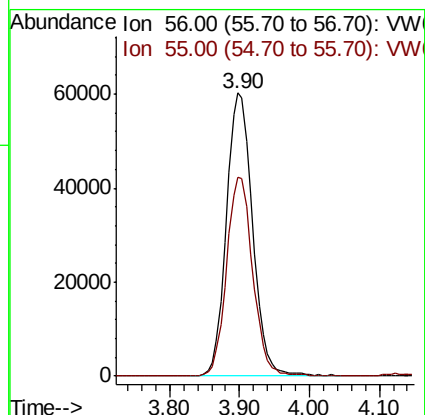
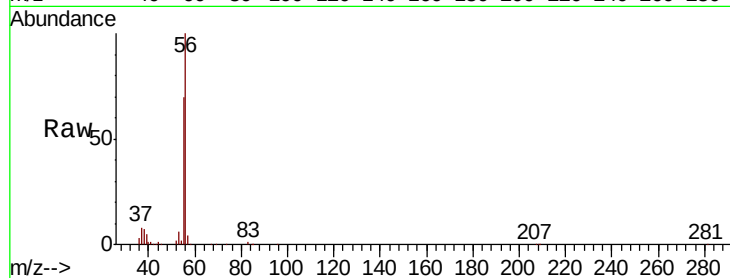
VSTDIC100

Tgt Ion: 56 Resp: 156744

Ion Ratio Lower Upper

56 100

55 70.3 55.7 83.5



#14

Allyl chloride

Concen: 102.932 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

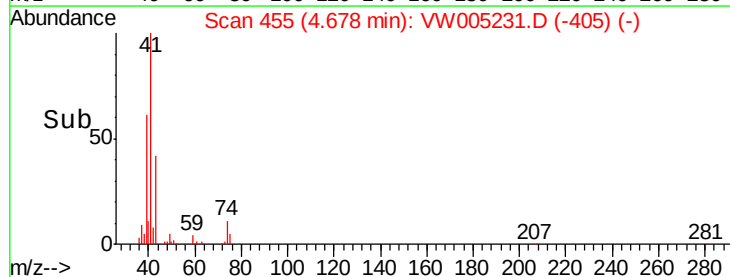
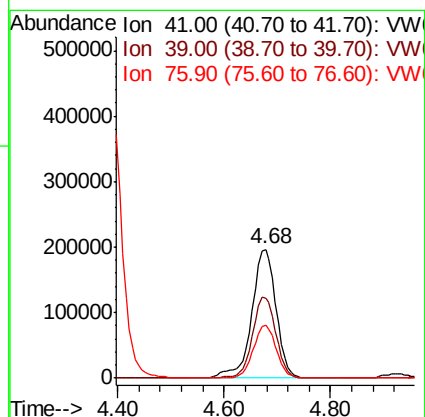
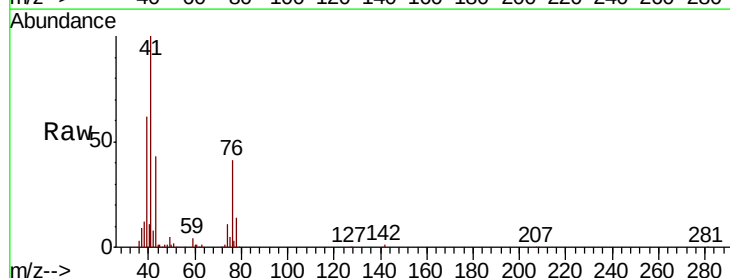
Tgt Ion: 41 Resp: 619860

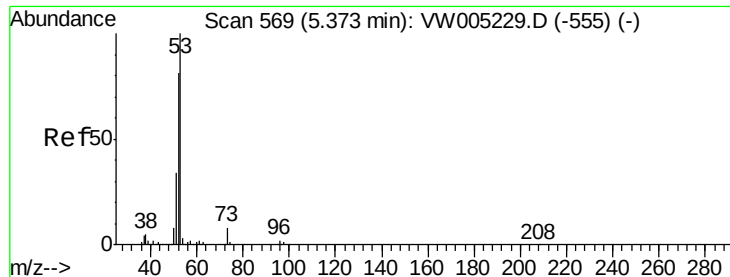
Ion Ratio Lower Upper

41 100

39 60.2 49.1 73.7

76 38.3 31.0 46.6





#15

Acrylonitrile

Concen: 576.502 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

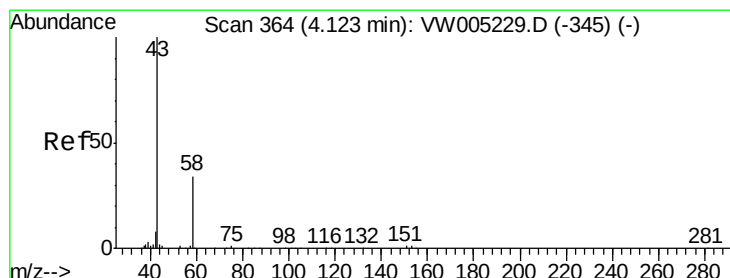
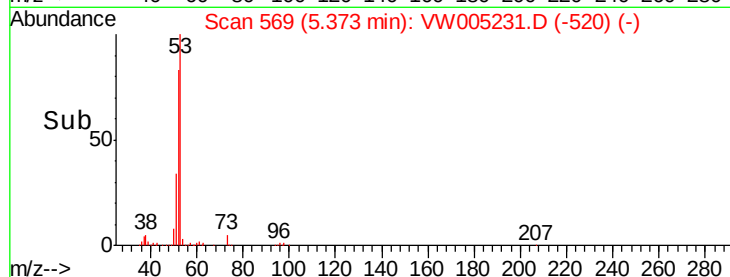
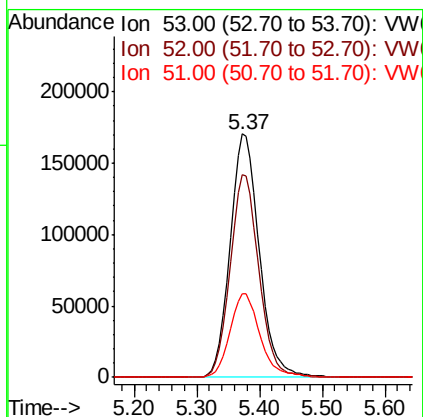
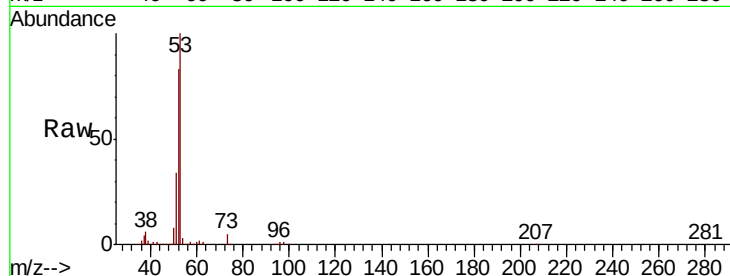
Tgt Ion: 53 Resp: 547853

Ion Ratio Lower Upper

53 100

52 82.3 64.9 97.3

51 35.6 28.2 42.2



#16

Acetone

Concen: 463.449 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW005231.D

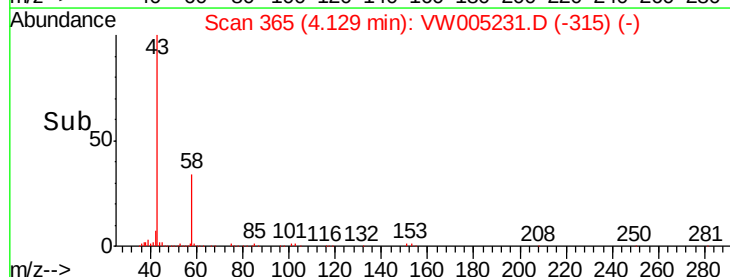
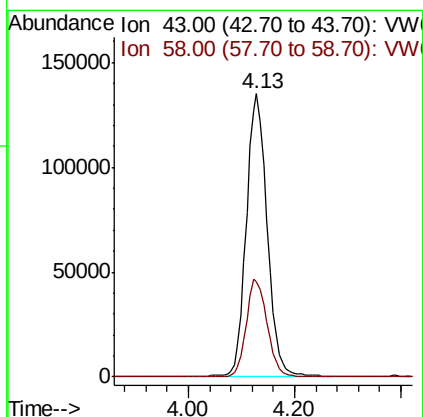
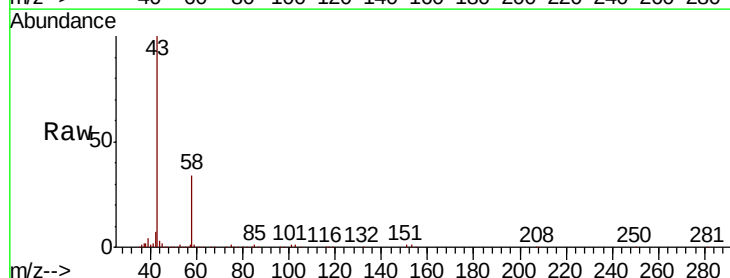
Acq: 08 Sep 2018 01:53

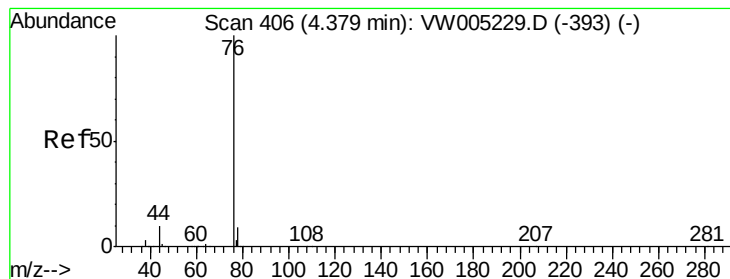
Tgt Ion: 43 Resp: 364908

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.4





#17

Carbon Disulfide

Concen: 106.730 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

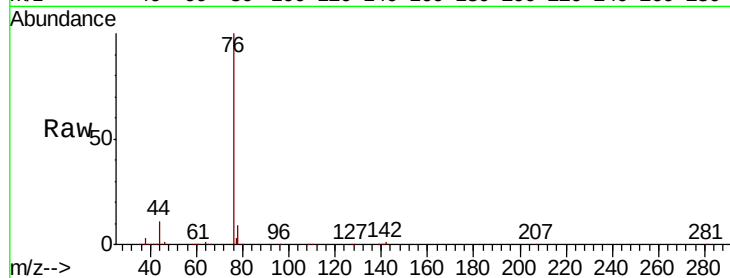
VSTDIC100

Tgt Ion: 76 Resp: 1440618

Ion Ratio Lower Upper

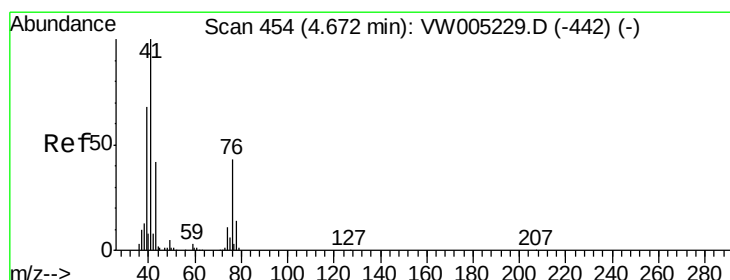
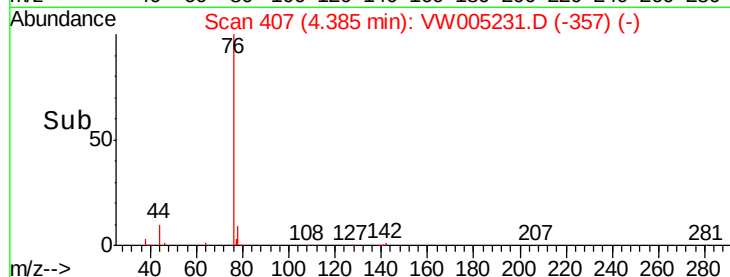
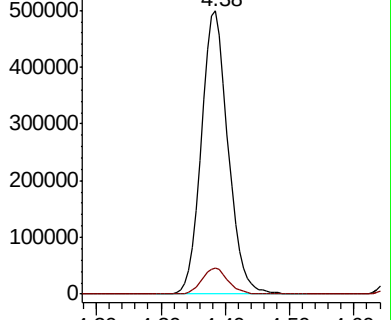
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 105.523 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005231.D

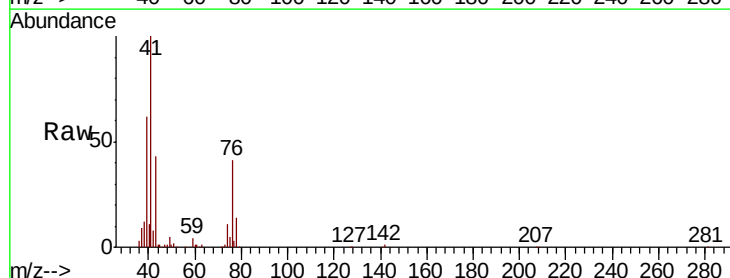
Acq: 08 Sep 2018 01:53

Tgt Ion: 43 Resp: 247633

Ion Ratio Lower Upper

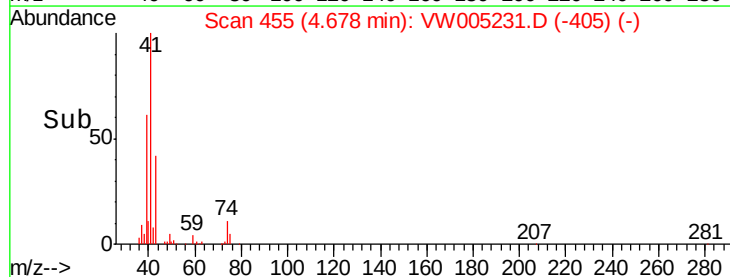
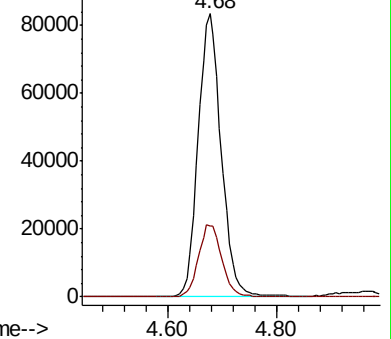
43 100

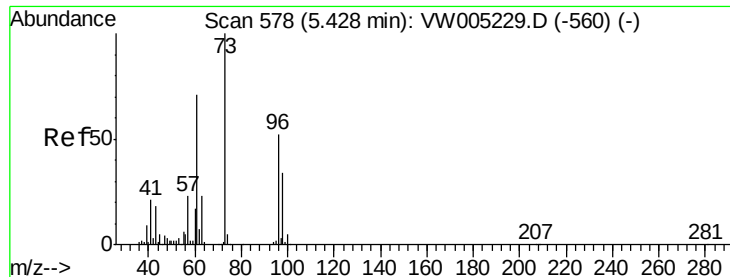
74 25.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



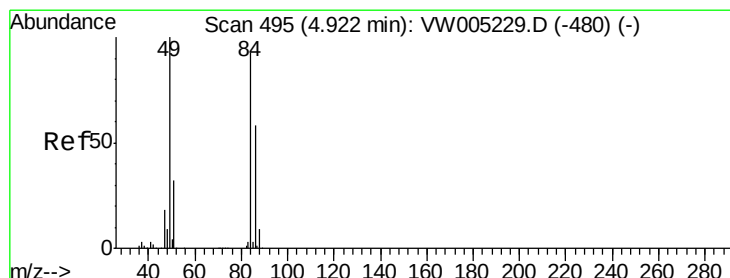
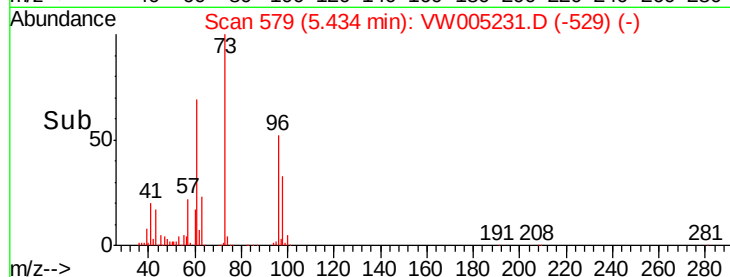
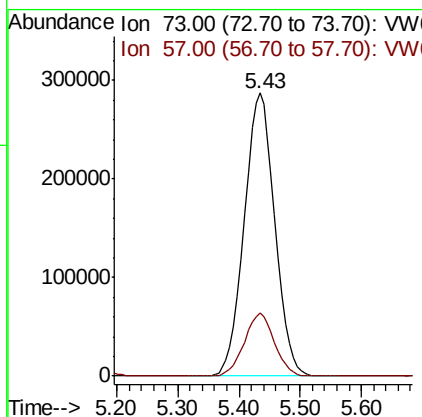
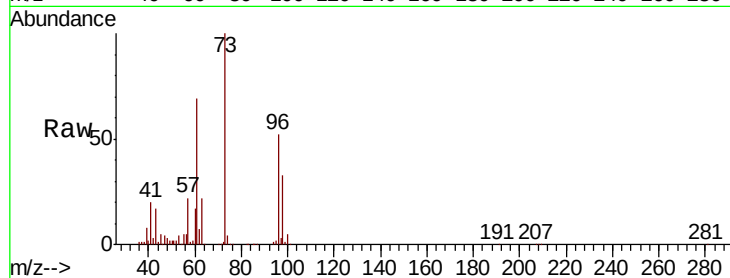


#19

Methyl tert-butyl Ether
 Concen: 105.632 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

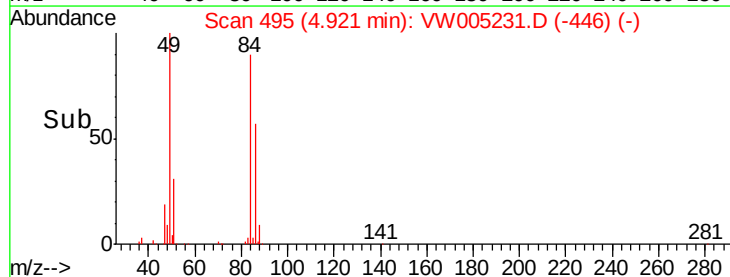
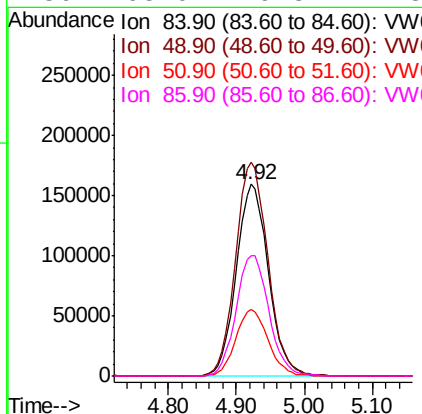
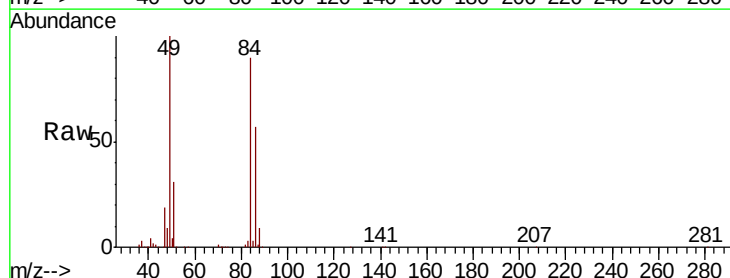
Tgt Ion: 73 Resp: 997878
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.2 27.2

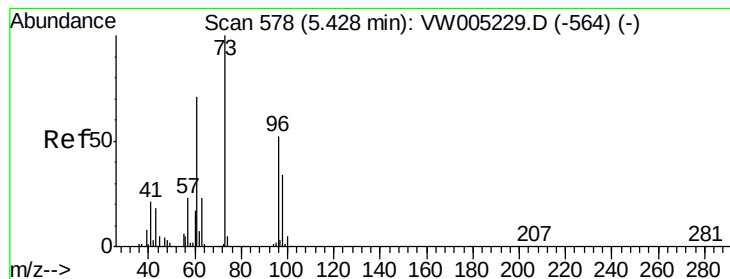


#20

Methylene Chloride
 Concen: 79.806 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 84 Resp: 525544
 Ion Ratio Lower Upper
 84 100
 49 111.3 85.8 128.6
 51 34.6 27.7 41.5
 86 63.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 97.347 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

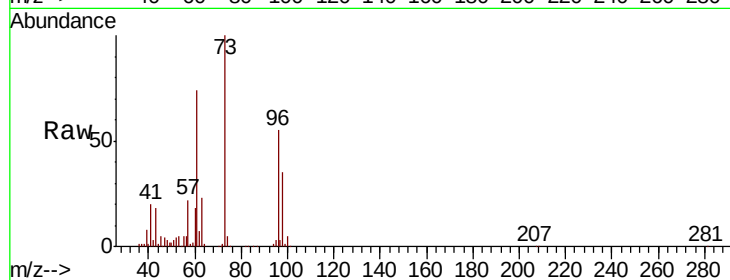
Tgt Ion: 96 Resp: 457146

Ion Ratio Lower Upper

96 100

61 133.4 108.2 162.4

98 63.4 51.9 77.9

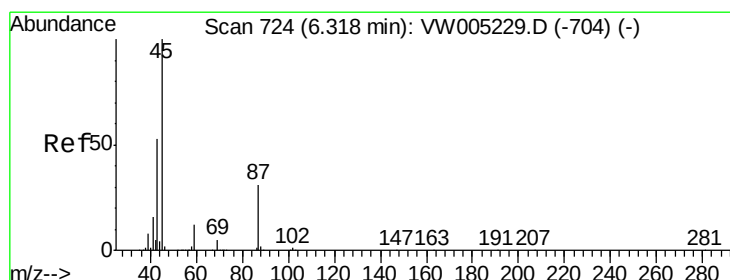
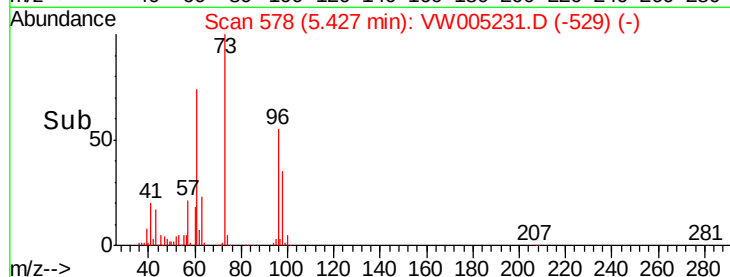
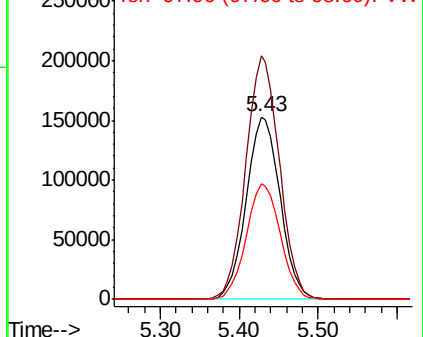


Abundance

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: 106.060 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion: 45 Resp: 1346392

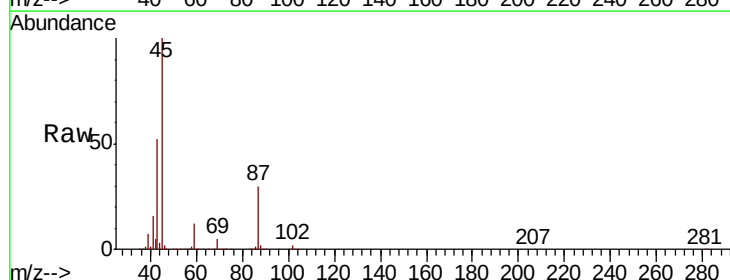
Ion Ratio Lower Upper

45 100

43 51.8 42.5 63.7

87 29.9 24.7 37.1

59 12.0 9.8 14.6



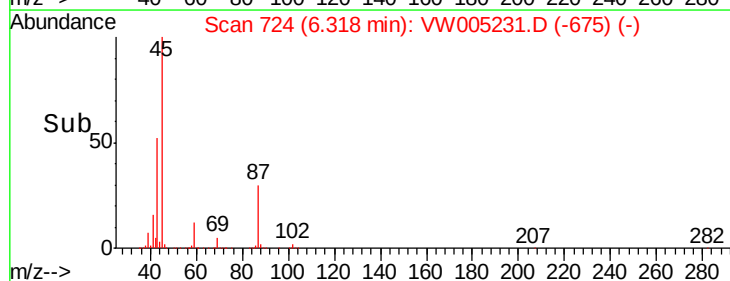
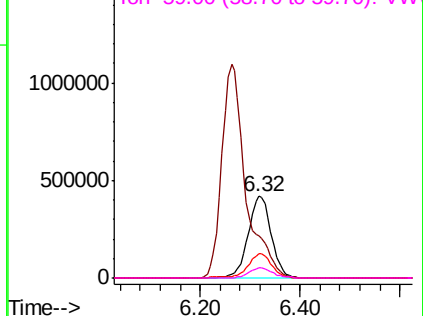
Abundance

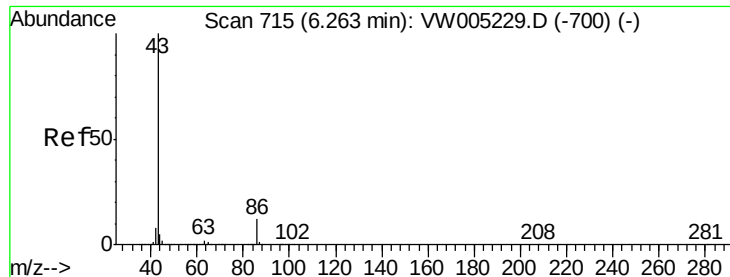
Ion 45.00 (44.70 to 45.70): VW

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: 543.014 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

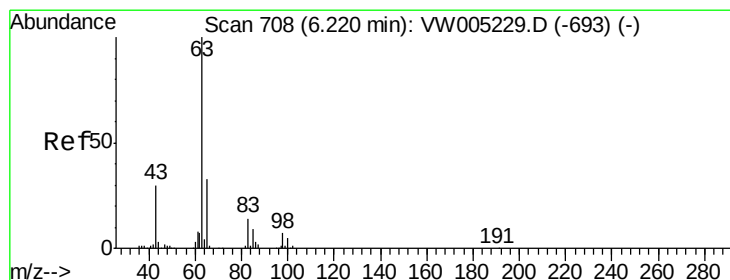
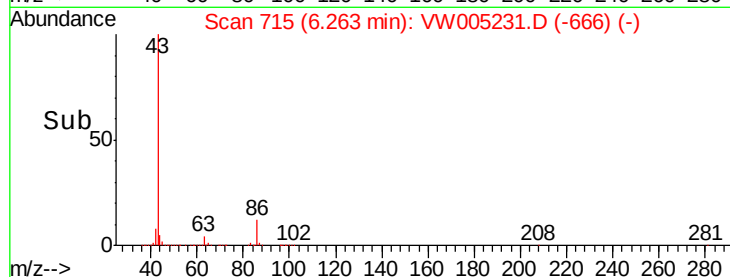
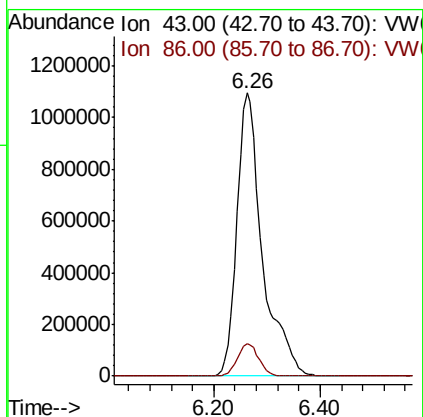
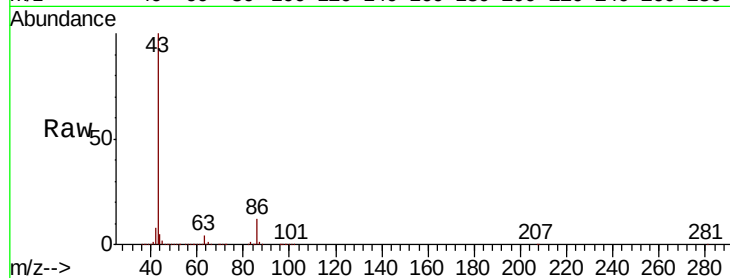
VSTDIC100

Tgt Ion: 43 Resp: 3641895

Ion Ratio Lower Upper

43 100

86 11.7 9.3 13.9



#24

1,1-Dichloroethane

Concen: 97.028 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

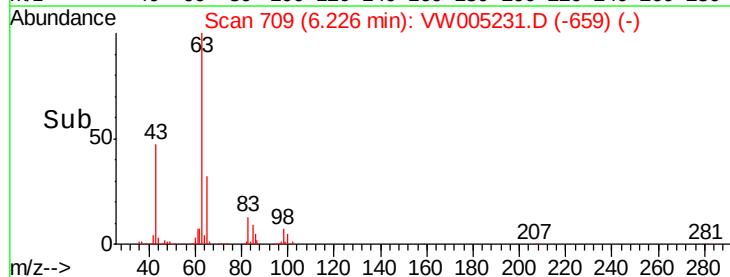
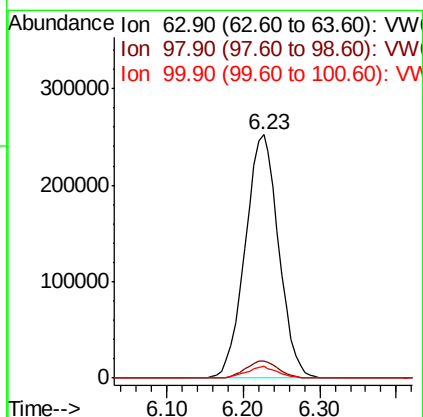
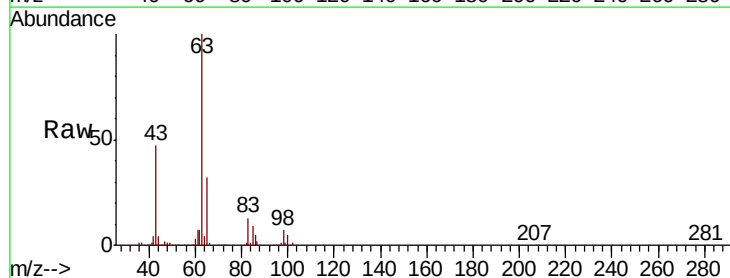
Tgt Ion: 63 Resp: 767233

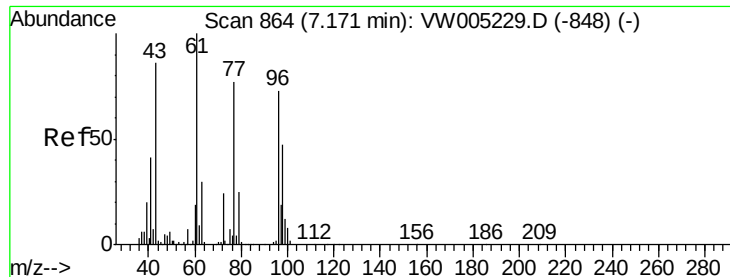
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 445.586 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

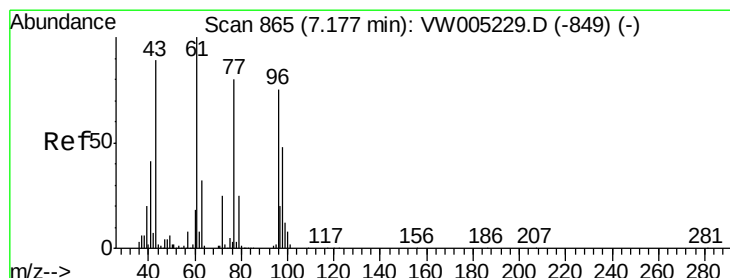
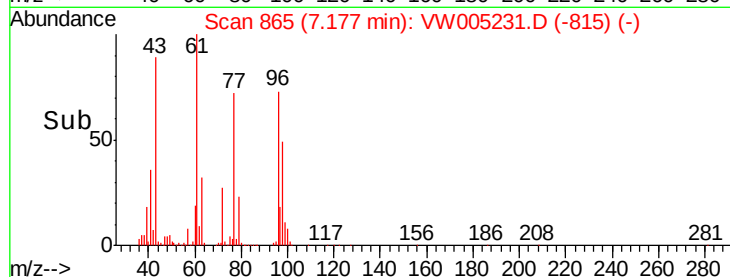
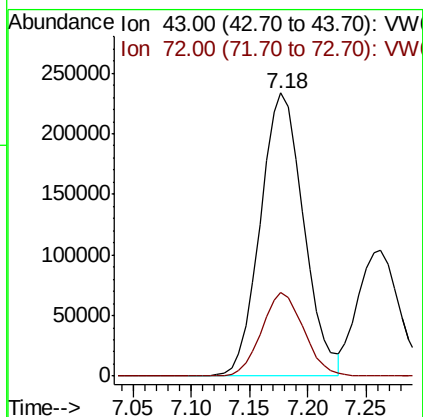
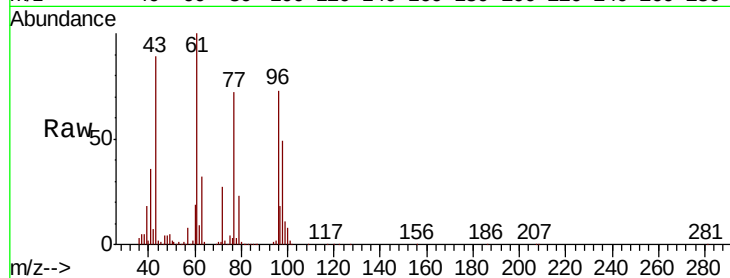
VSTDIC100

Tgt Ion: 43 Resp: 602937

Ion Ratio Lower Upper

43 100

72 29.7 22.6 33.8



#26

2,2-Dichloropropane

Concen: 84.094 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005231.D

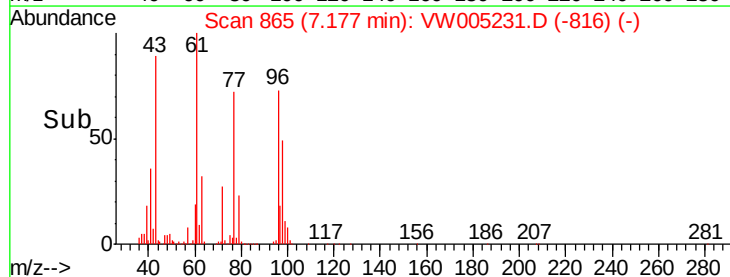
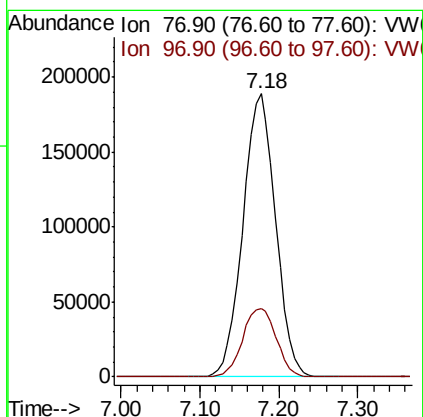
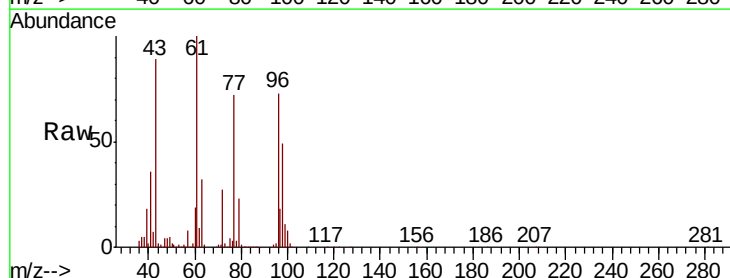
Acq: 08 Sep 2018 01:53

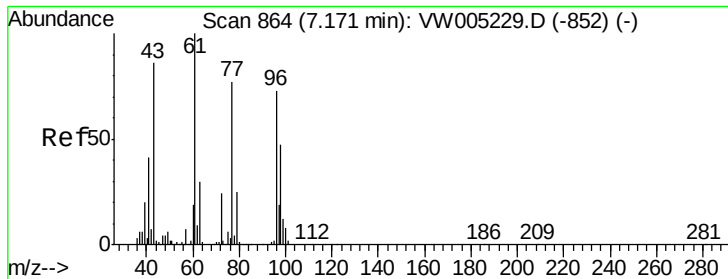
Tgt Ion: 77 Resp: 542675

Ion Ratio Lower Upper

77 100

97 24.9 12.3 36.9



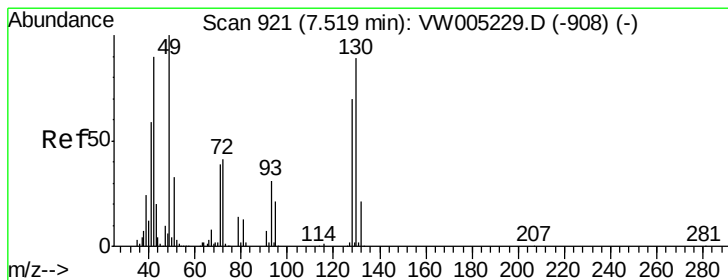
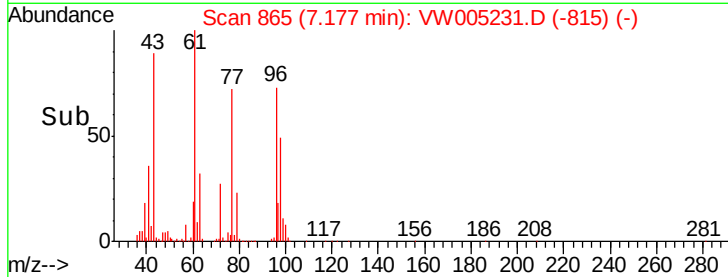
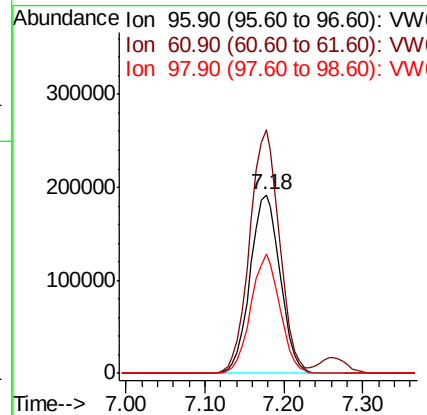
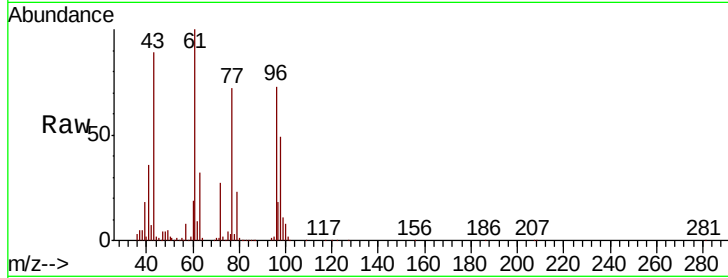


#27

cis-1,2-Dichloroethene
 Concen: 98.720 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

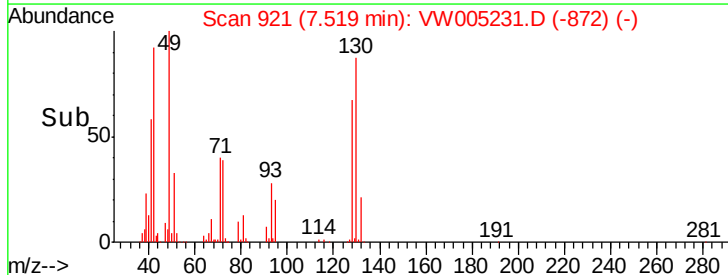
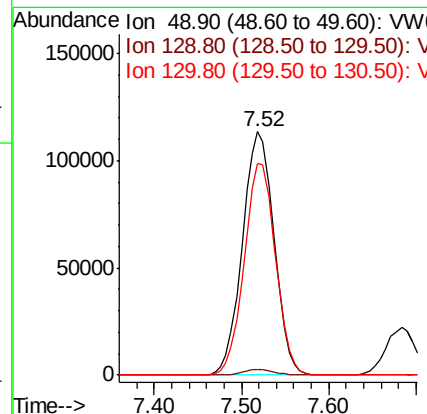
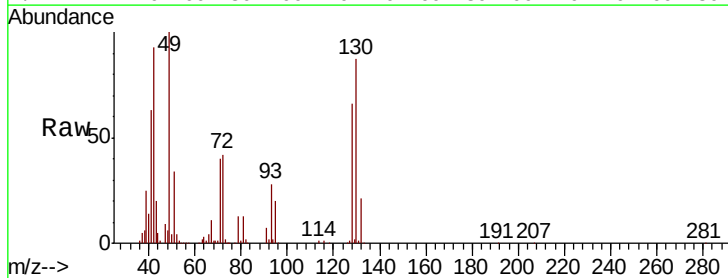
Tgt Ion	Resp	Lower	Upper
96	506154		
96	100		
61	135.8	0.0	274.6
98	64.9	0.0	129.6

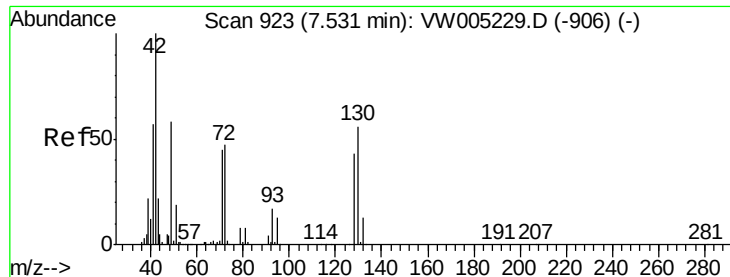


#28

Bromochloromethane
 Concen: 89.938 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Resp	Lower	Upper
49	285721		
49	100		
129	2.3	0.0	4.0
130	86.0	70.0	105.0





#29

Tetrahydrofuran

Concen: 591.026 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

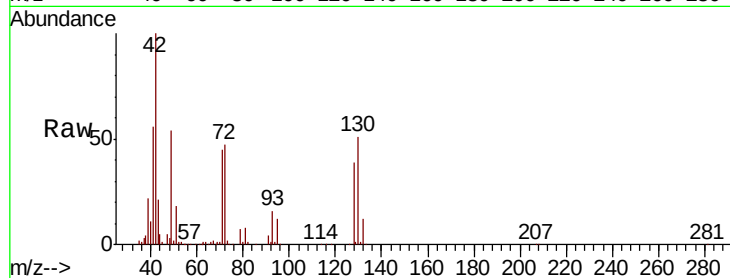
Tgt Ion: 42 Resp: 423807

Ion Ratio Lower Upper

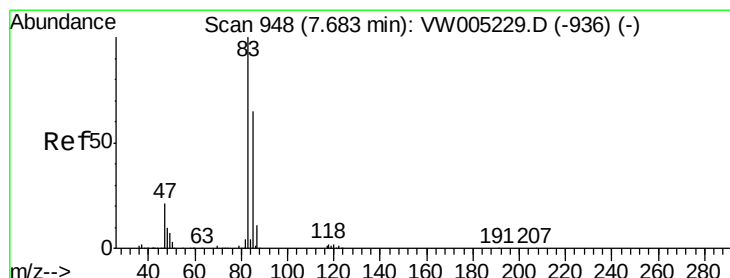
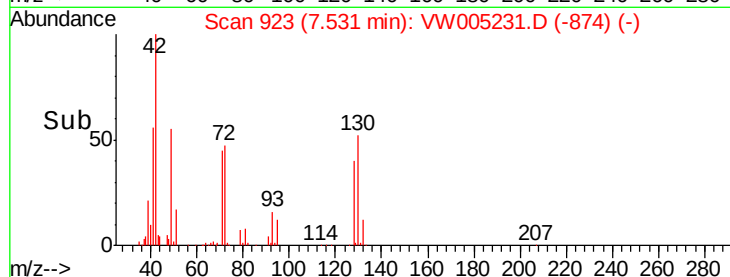
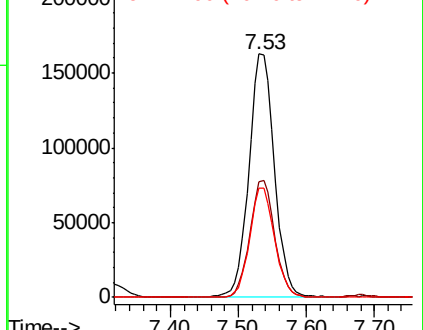
42 100

72 46.8 37.4 56.2

71 44.1 35.5 53.3



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



#30

Chloroform

Concen: 95.170 ug/l

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW005231.D

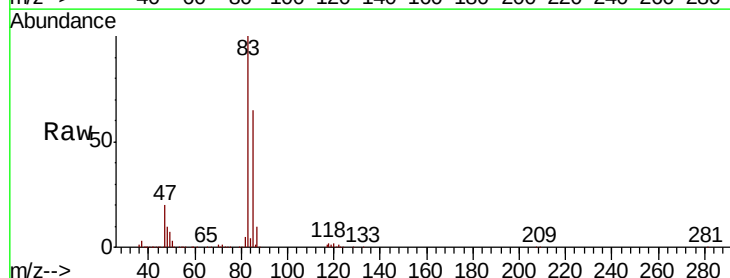
Acq: 08 Sep 2018 01:53

Tgt Ion: 83 Resp: 767943

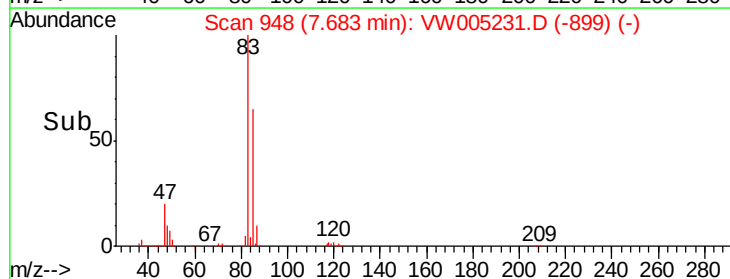
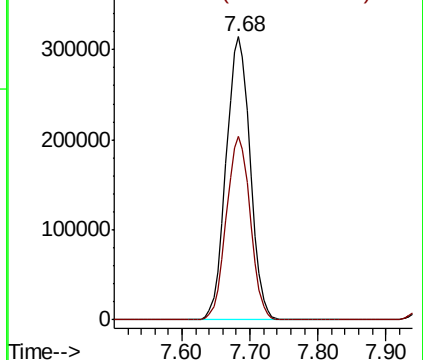
Ion Ratio Lower Upper

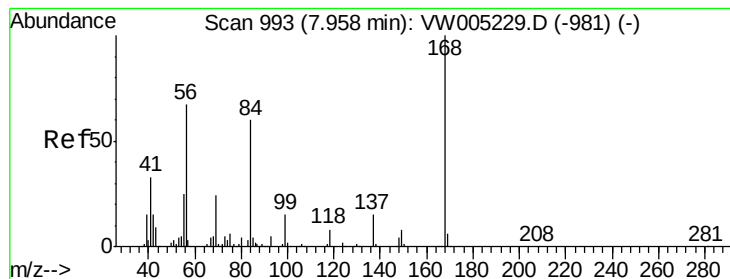
83 100

85 65.0 51.9 77.9



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





#31

Cyclohexane

Concen: 93.992 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

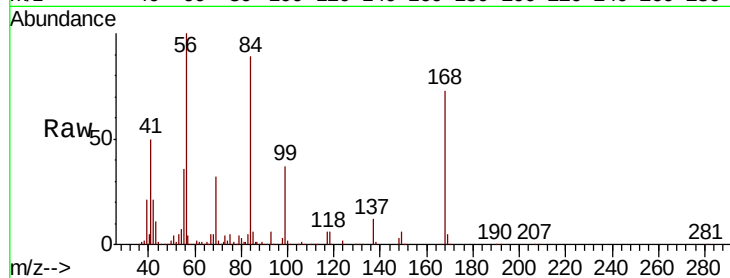
Tgt Ion: 56 Resp: 734590

Ion Ratio Lower Upper

56 100

69 32.4 28.2 42.4

84 87.5 71.3 106.9

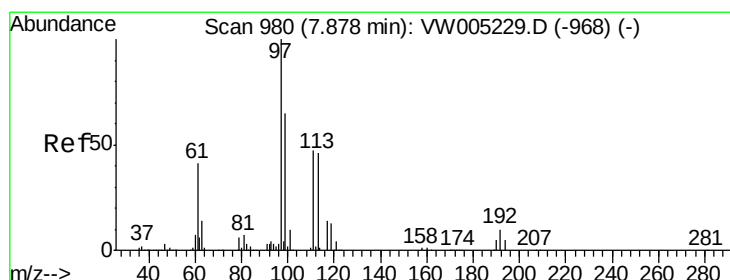
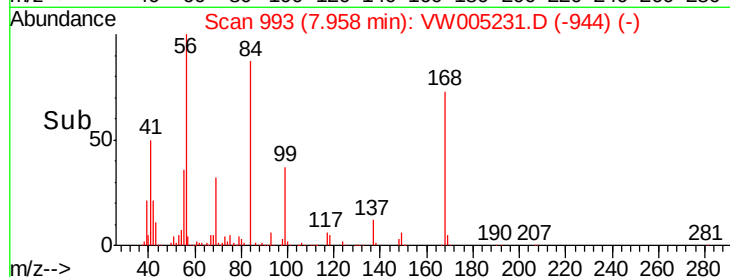
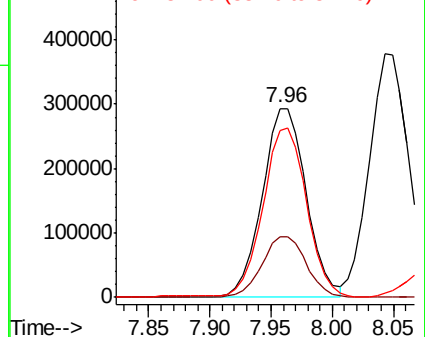


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 90.292 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

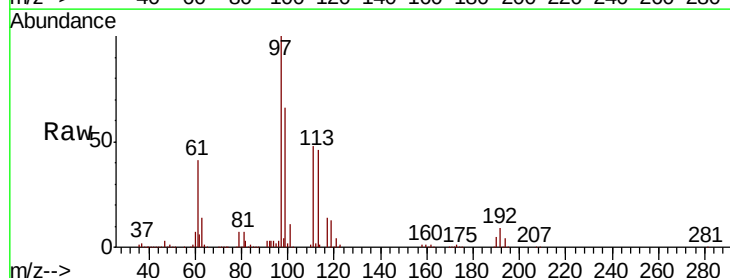
Tgt Ion: 97 Resp: 635102

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.2 33.0 49.4

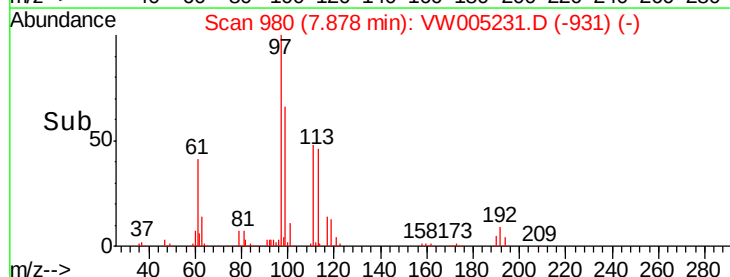
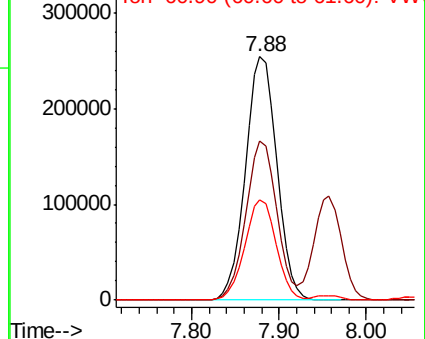


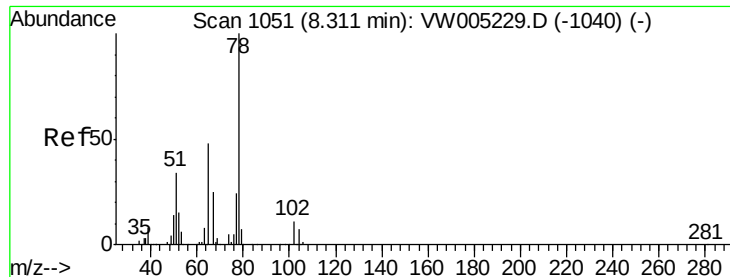
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

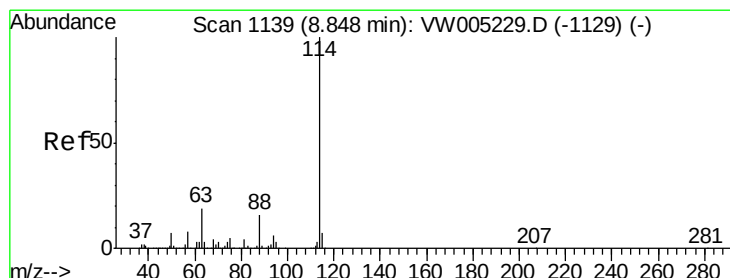
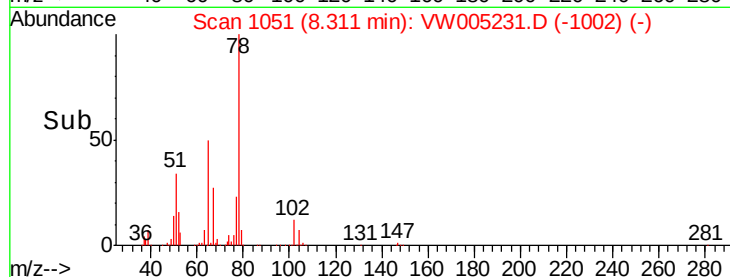
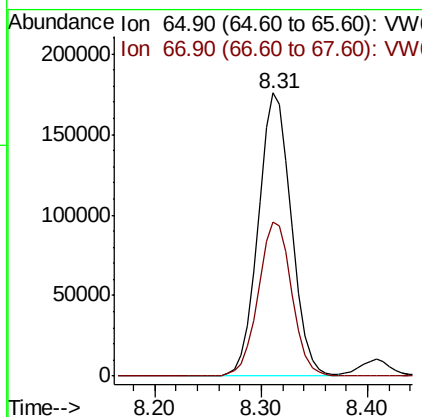
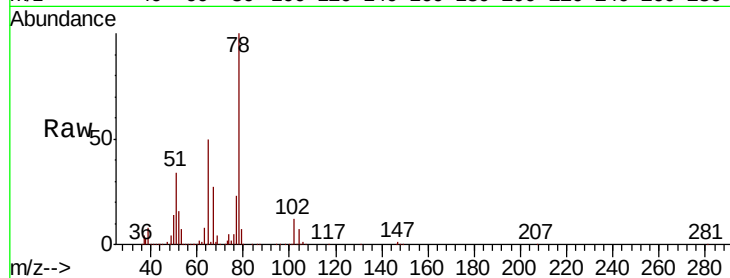




#33
 1,2-Dichloroethane-d4
 Concen: 94.899 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

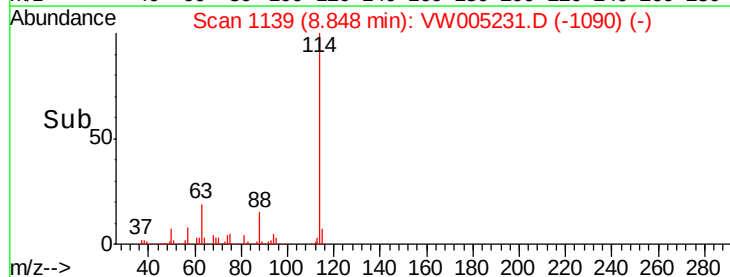
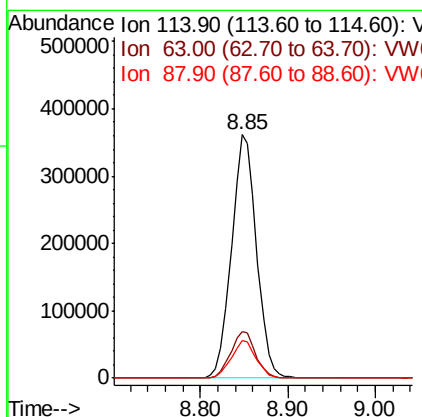
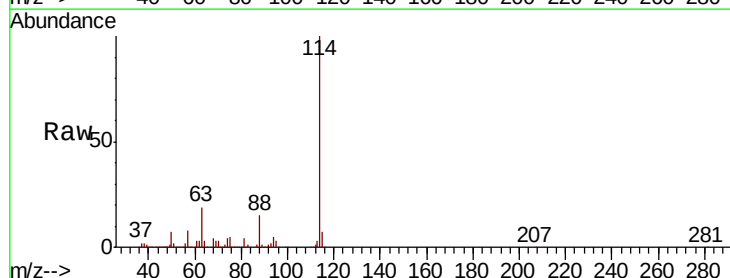
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

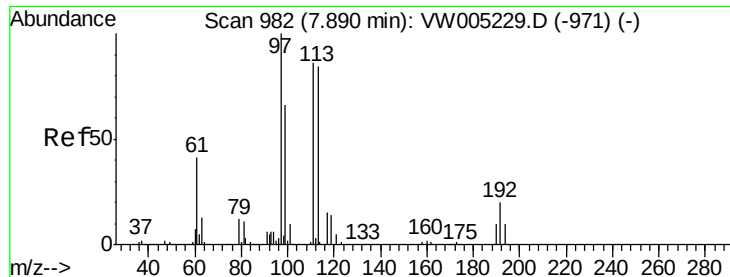
Tgt Ion: 65 Resp: 382216
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 114 Resp: 716010
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 94.493 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

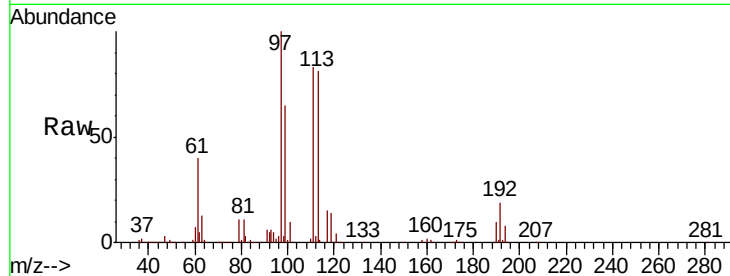
Tgt Ion: 113 Resp: 388528

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

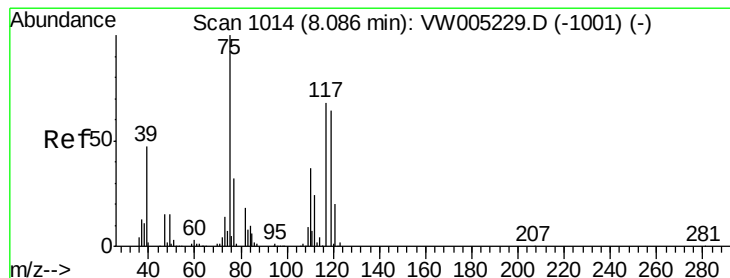
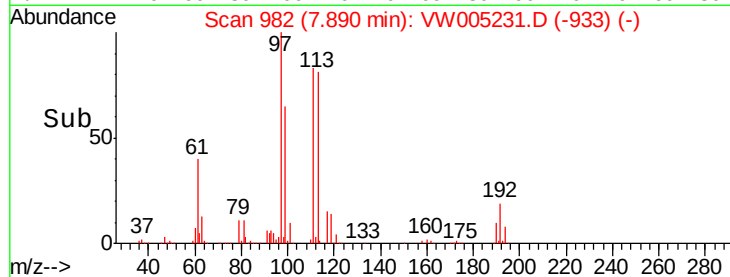
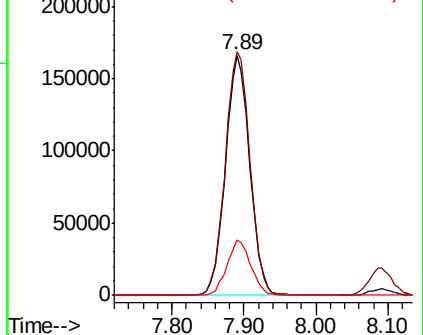
192 22.6 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 94.701 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

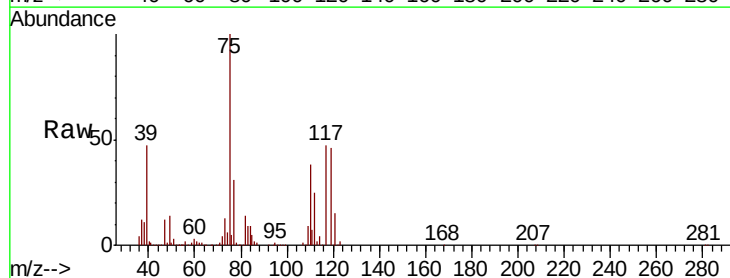
Tgt Ion: 75 Resp: 633597

Ion Ratio Lower Upper

75 100

110 37.0 18.8 56.4

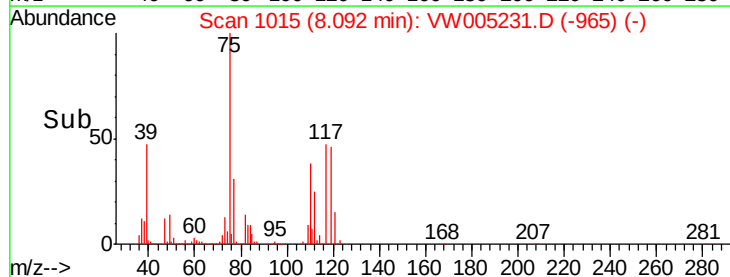
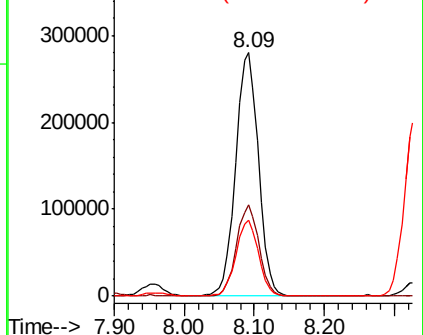
77 31.1 25.2 37.8

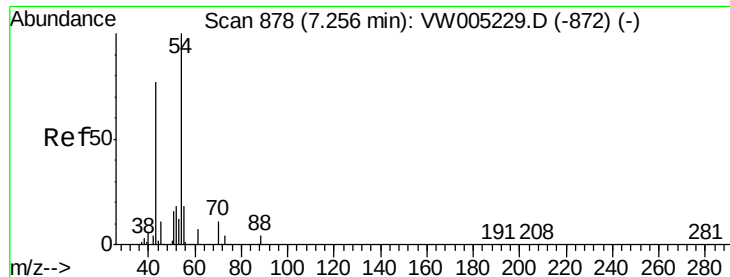


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

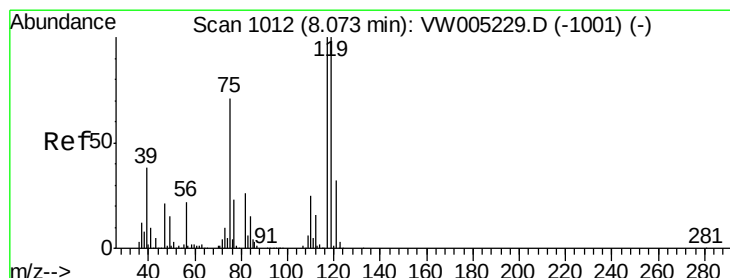
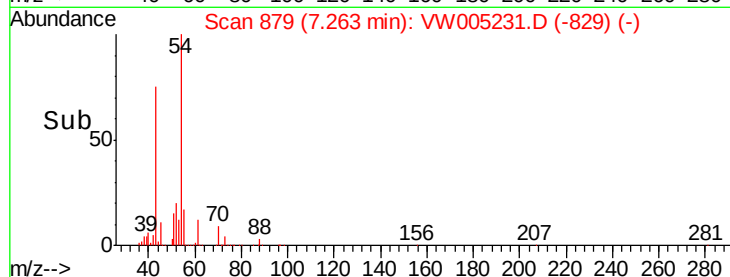
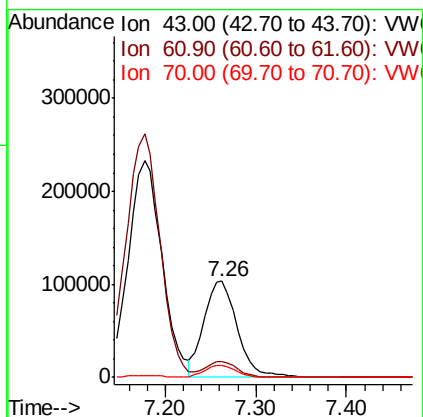
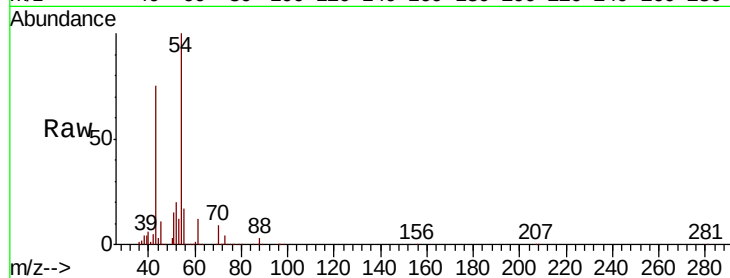




#37
Ethyl Acetate
Concen: 104.049 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

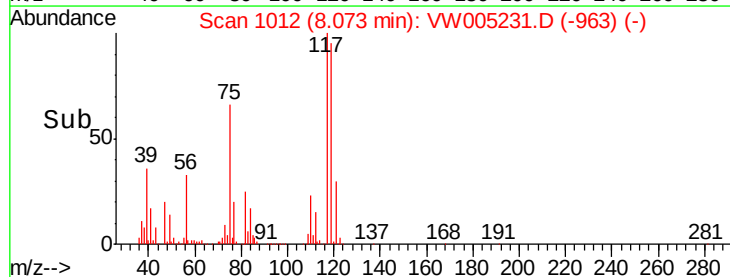
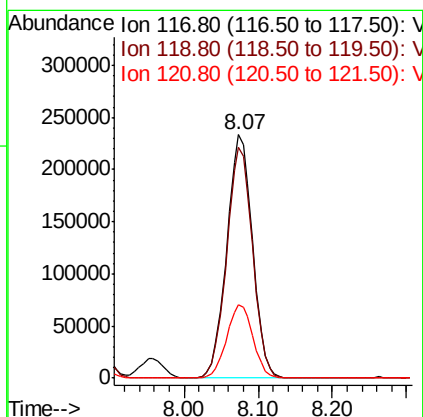
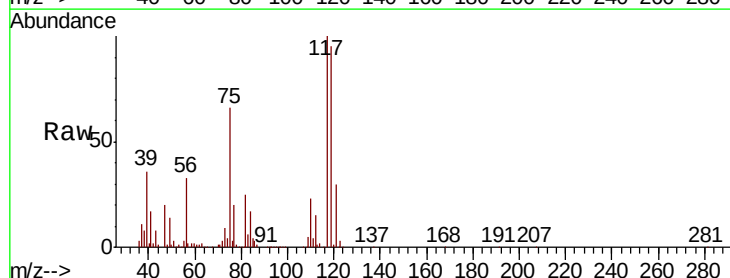
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

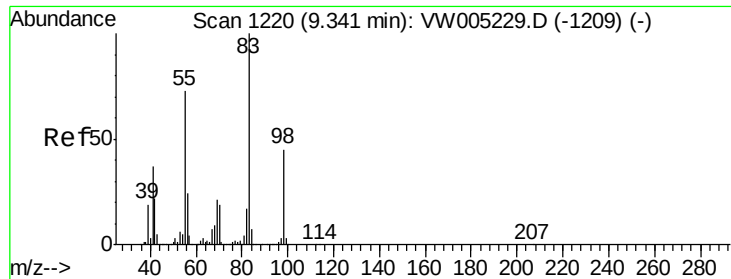
Tgt Ion: 43 Resp: 264457
Ion Ratio Lower Upper
43 100
61 15.5 11.4 17.2
70 12.2 9.6 14.4



#38
Carbon Tetrachloride
Concen: 88.703 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 117 Resp: 562313
Ion Ratio Lower Upper
117 100
119 94.8 79.7 119.5
121 30.3 25.4 38.0

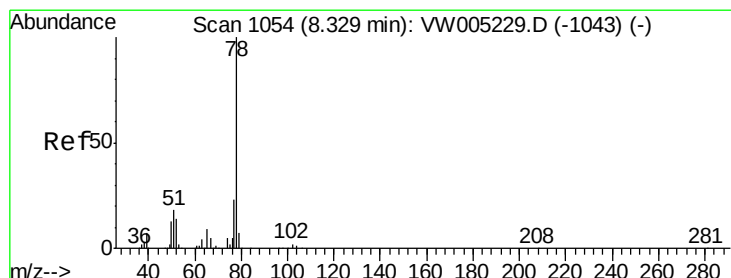
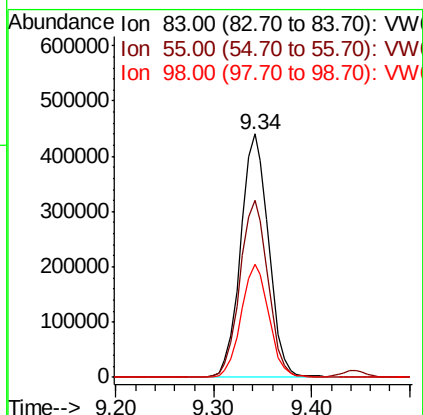
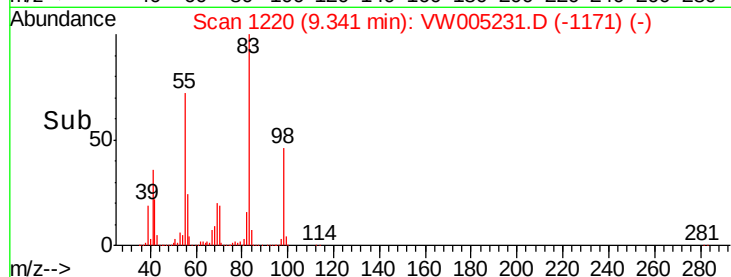
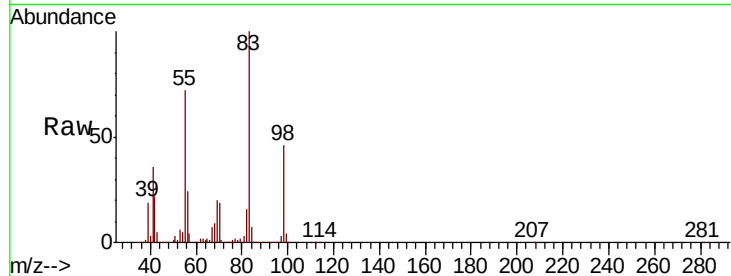




#39
Methylcyclohexane
Concen: 107.410 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

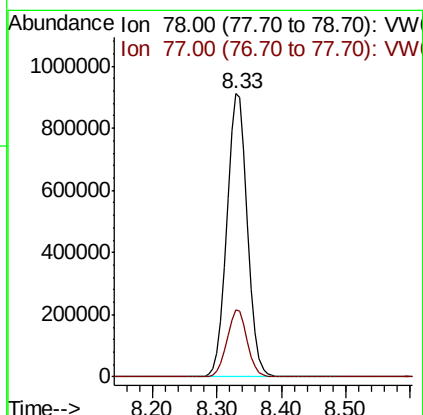
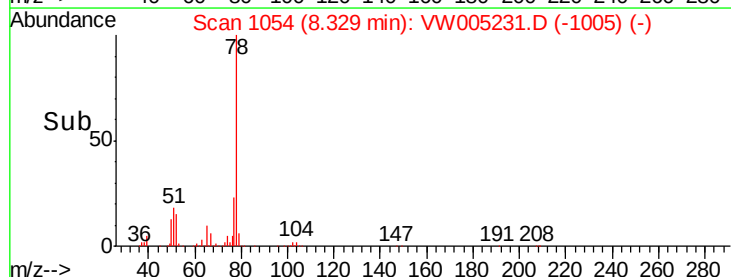
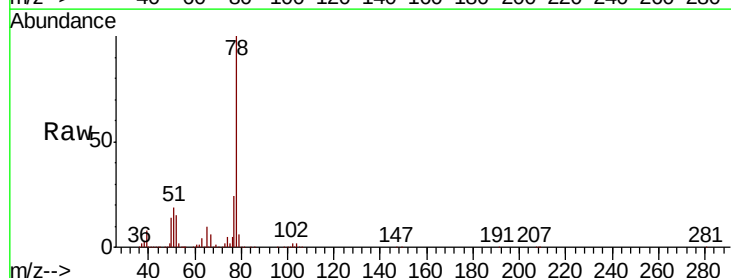
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

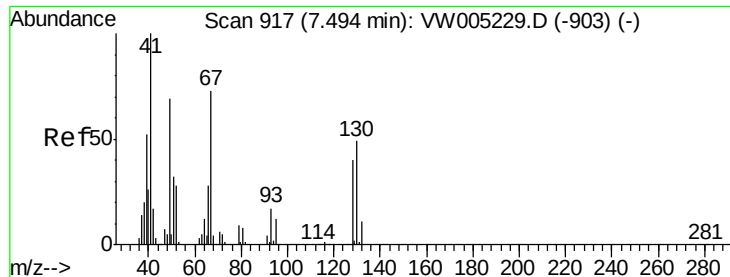
Tgt Ion: 83 Resp: 873258
Ion Ratio Lower Upper
83 100
55 72.5 58.7 88.1
98 46.3 36.1 54.1



#40
Benzene
Concen: 99.384 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 78 Resp: 2037742
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

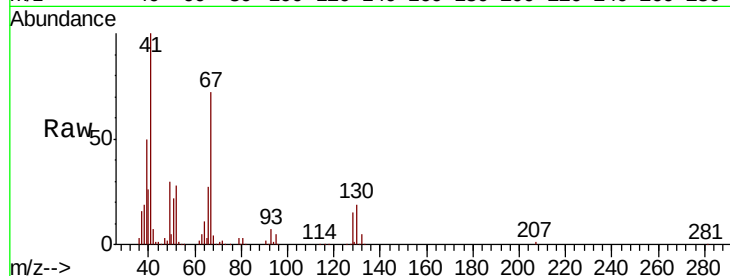




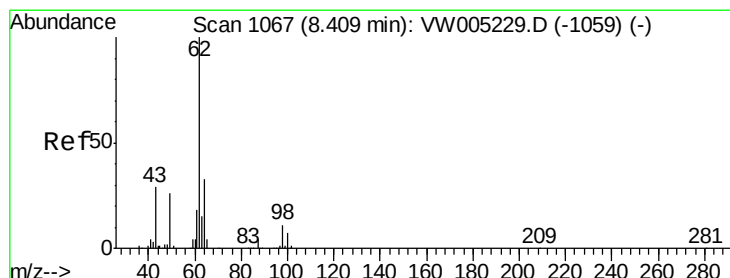
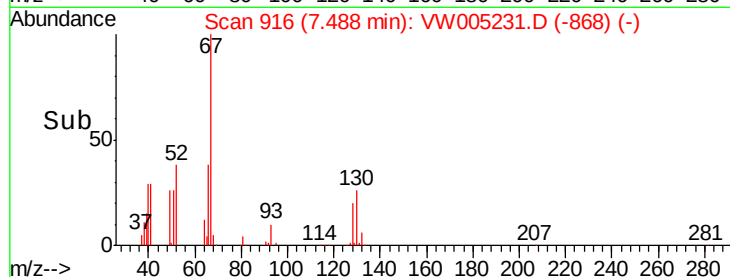
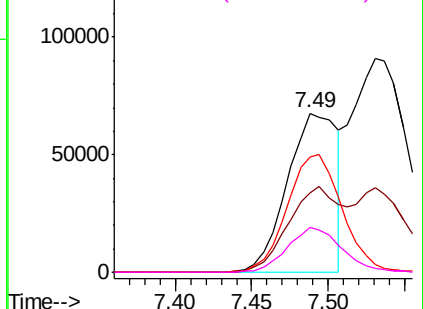
#41
Methacrylonitrile
Concen: 106.097 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:	41	Resp:	154511
Ion	Ratio	Lower	Upper
41	100		
39	57.6	40.8	61.2
67	80.6	63.6	95.4
52	30.4	24.6	36.8

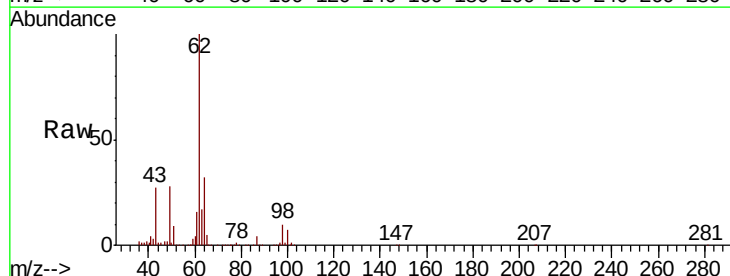


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

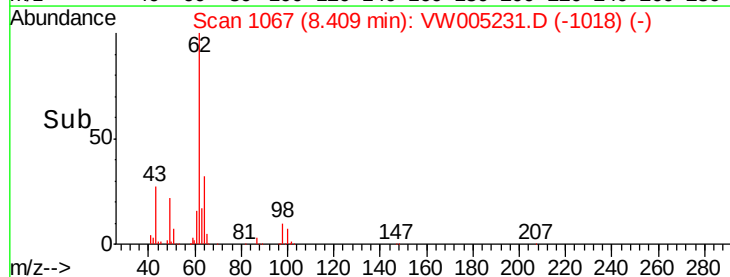
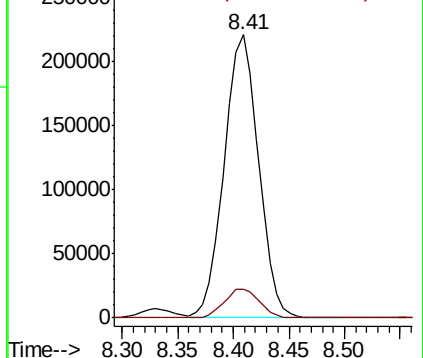


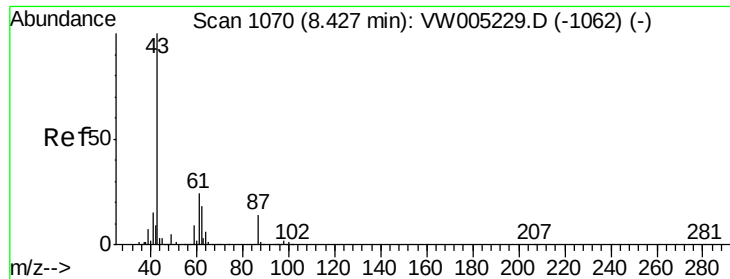
#42
1,2-Dichloroethane
Concen: 94.441 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:	62	Resp:	473289
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 113.629 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

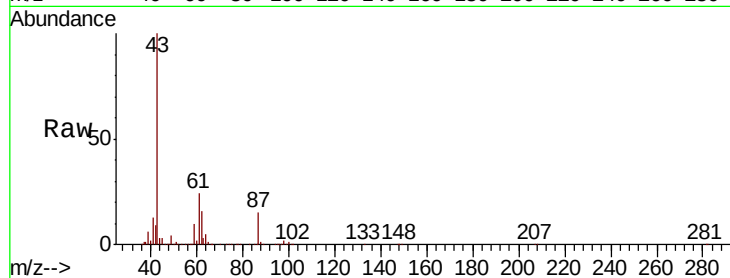
Tgt Ion: 43 Resp: 527294

Ion Ratio Lower Upper

43 100

61 32.2 26.6 39.8

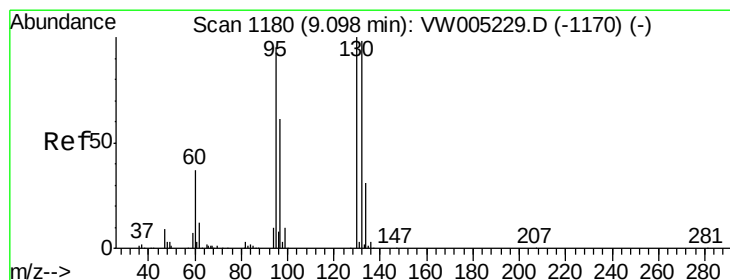
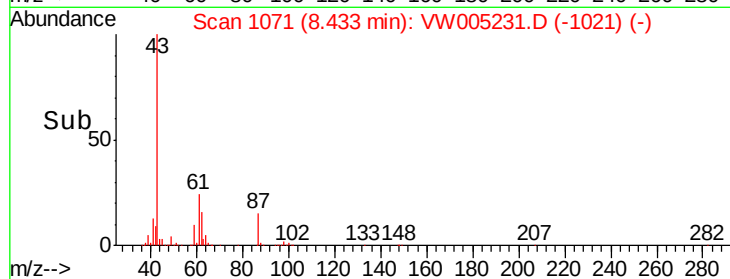
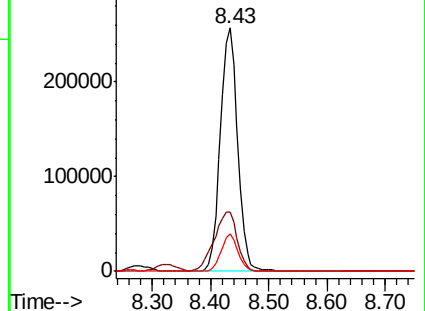
87 14.8 12.2 18.2



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: 94.912 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005231.D

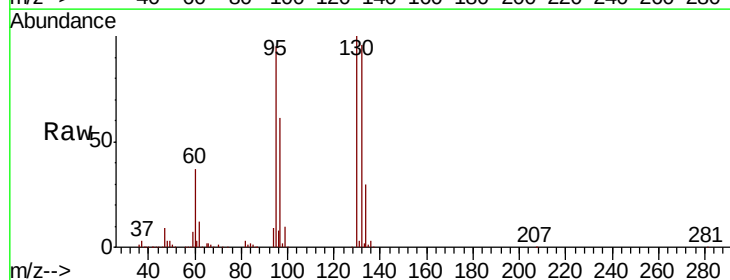
Acq: 08 Sep 2018 01:53

Tgt Ion: 130 Resp: 524070

Ion Ratio Lower Upper

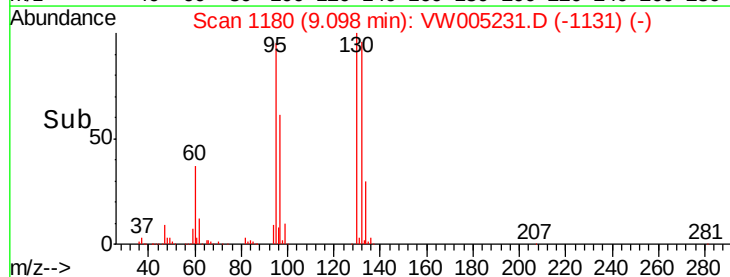
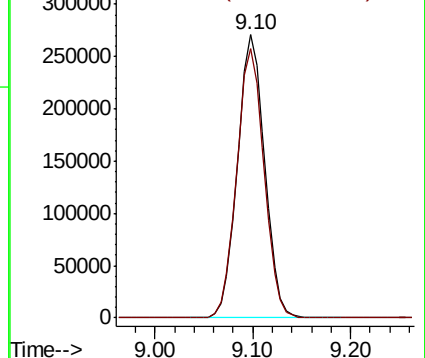
130 100

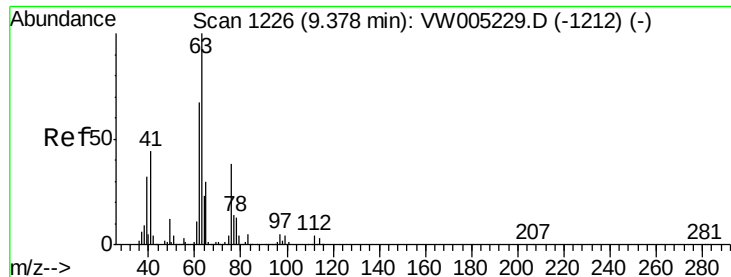
95 94.9 0.0 189.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

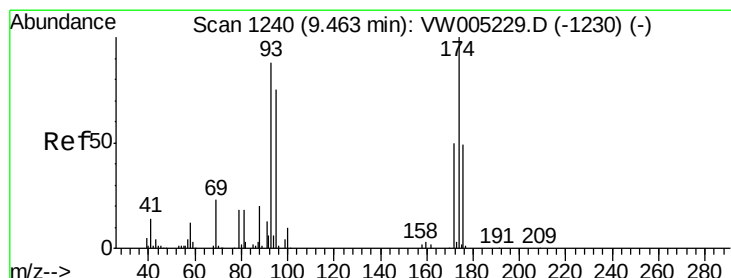
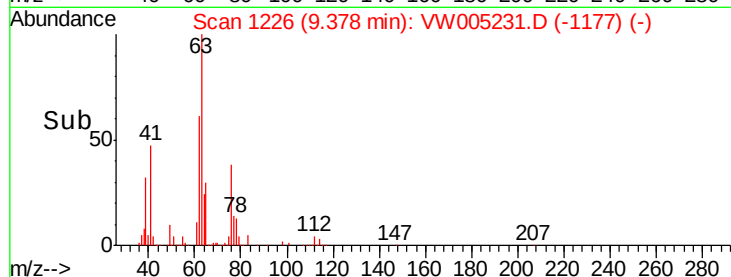
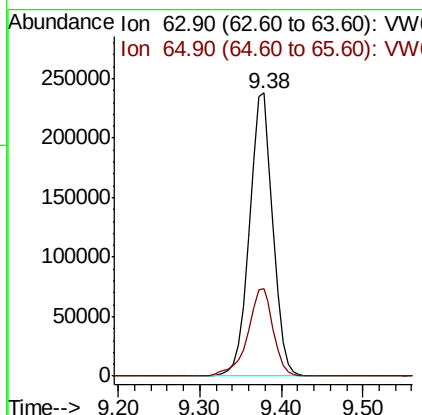
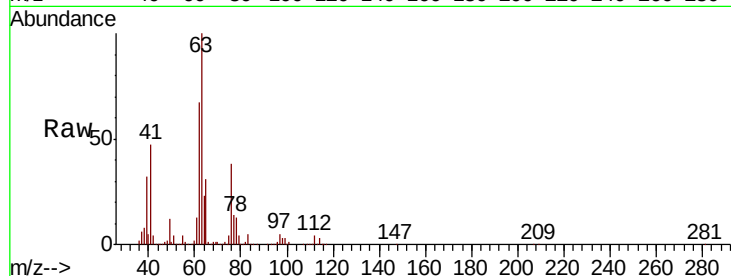




#45
 1,2-Dichloropropane
 Concen: 95.458 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

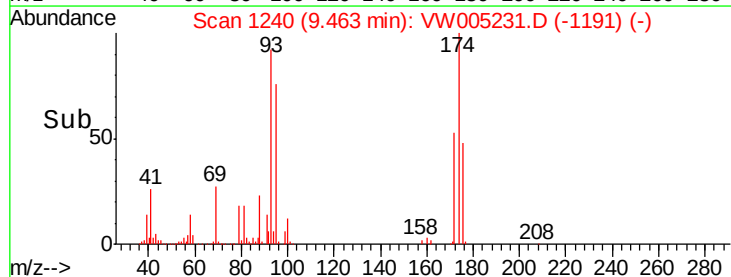
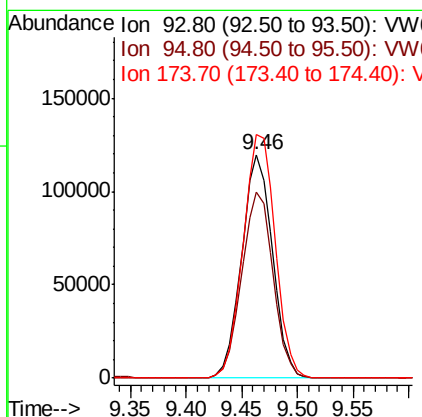
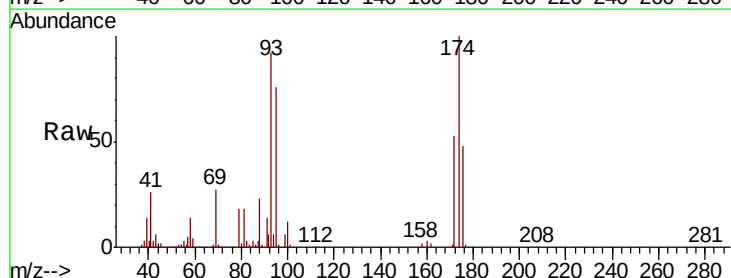
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

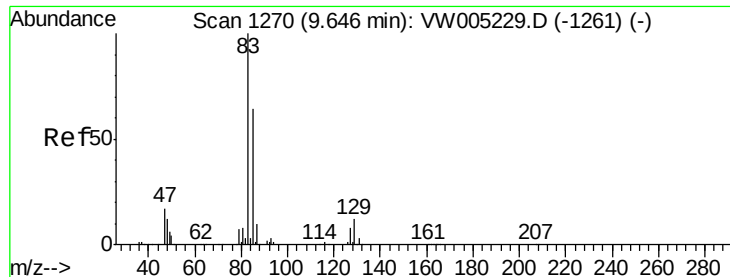
Tgt Ion: 63 Resp: 476730
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.8



#46
 Dibromomethane
 Concen: 96.510 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 93 Resp: 230534
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.4 101.2
 174 113.8 91.9 137.9





#47

Bromodichloromethane

Concen: 92.558 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

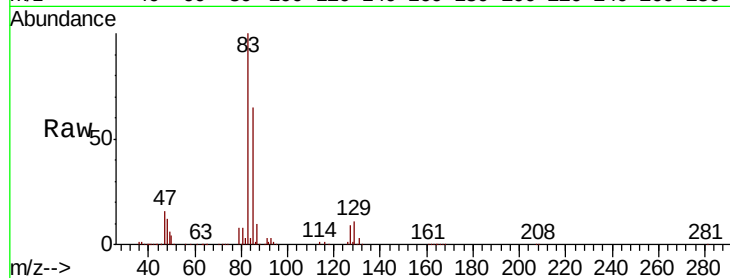
Tgt Ion: 83 Resp: 555746

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.6

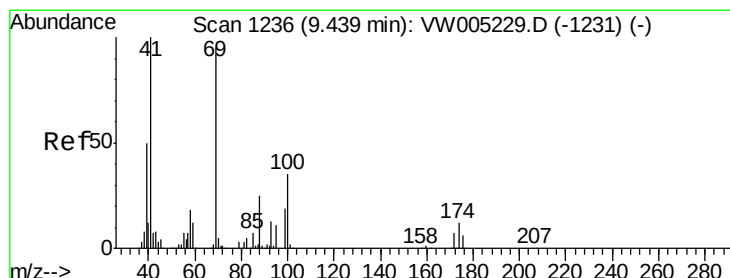
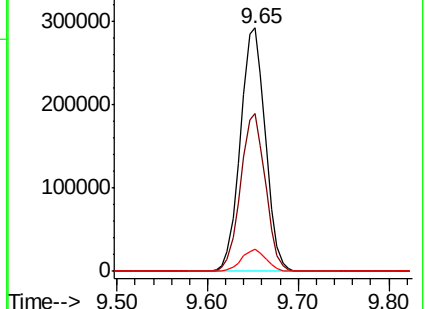
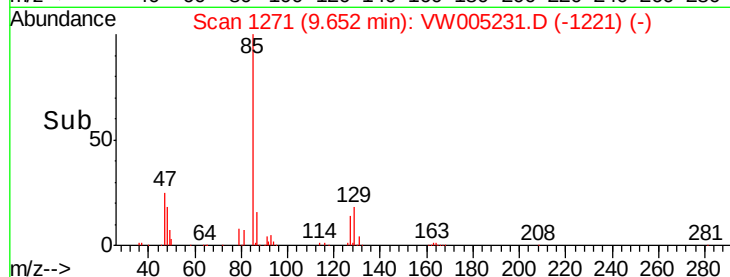
127 9.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 128.818 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

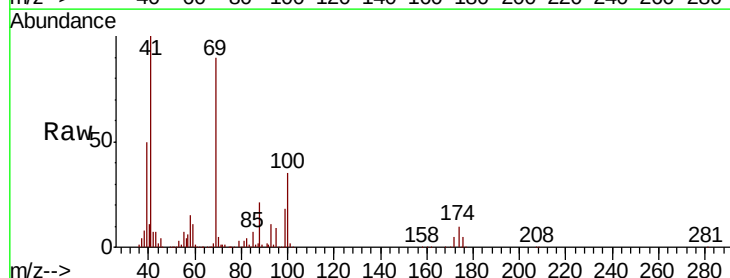
Tgt Ion: 41 Resp: 292360

Ion Ratio Lower Upper

41 100

69 91.6 73.6 110.4

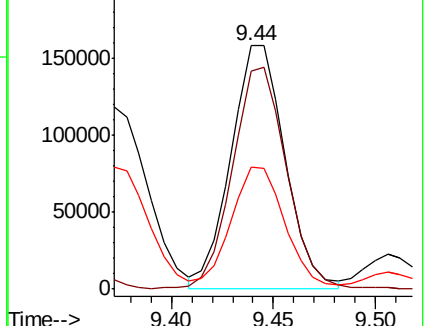
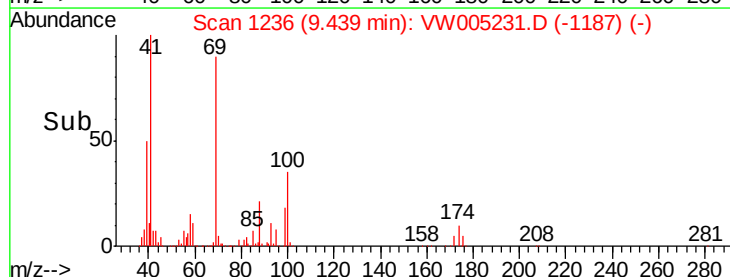
39 46.7 36.9 55.3

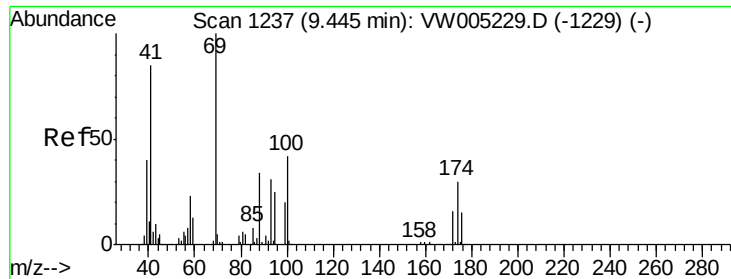


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

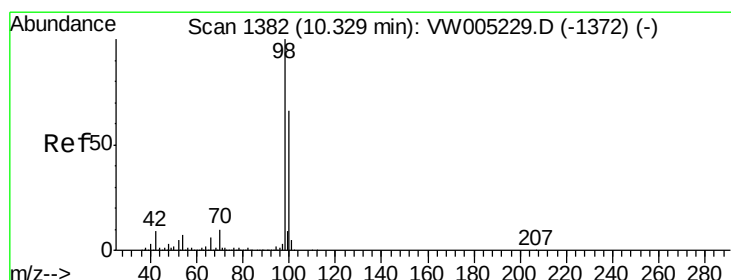
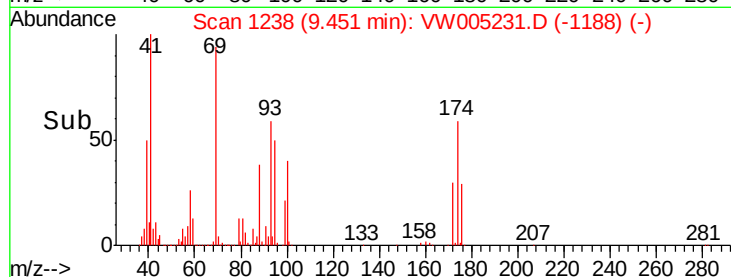
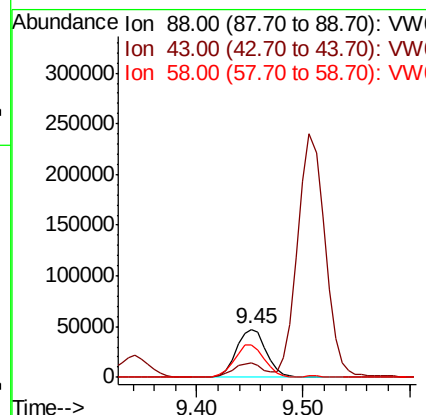
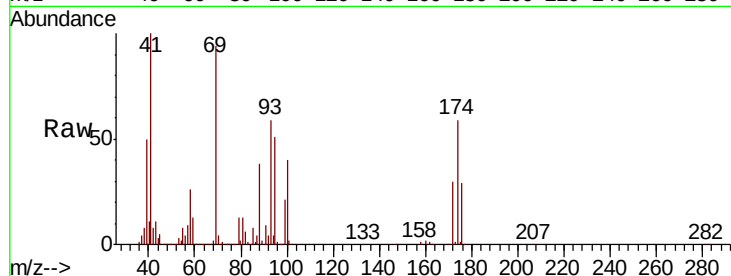




#49
1,4-Dioxane
Concen: 2392.917 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

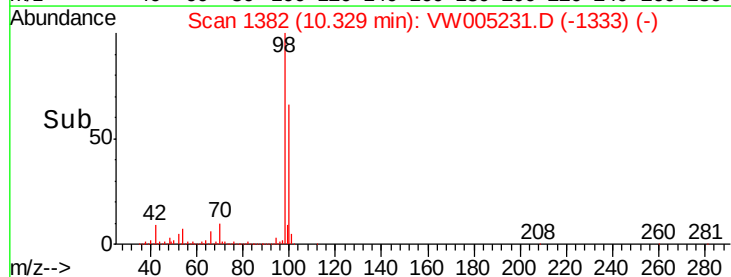
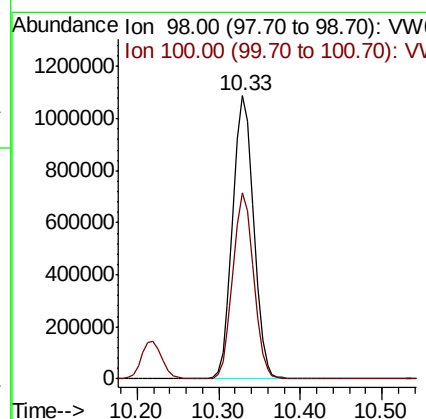
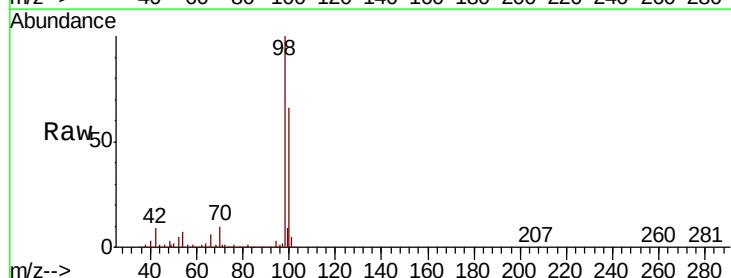
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

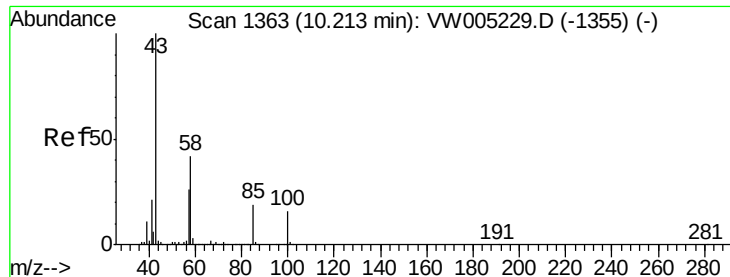
Tgt Ion: 88 Resp: 93917
Ion Ratio Lower Upper
88 100
43 28.9 22.1 33.1
58 68.2 53.8 80.6



#50
Toluene-d8
Concen: 101.286 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 98 Resp: 1932815
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 503.954 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

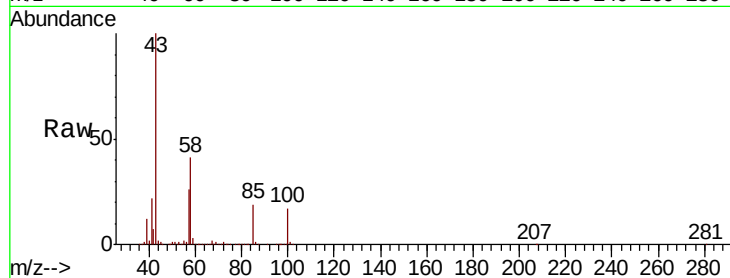
VSTDIC100

Tgt Ion: 43 Resp: 1513865

Ion Ratio Lower Upper

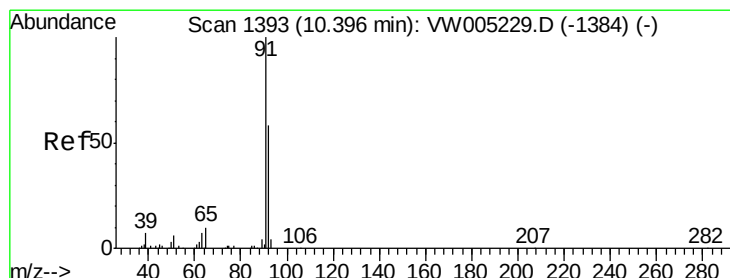
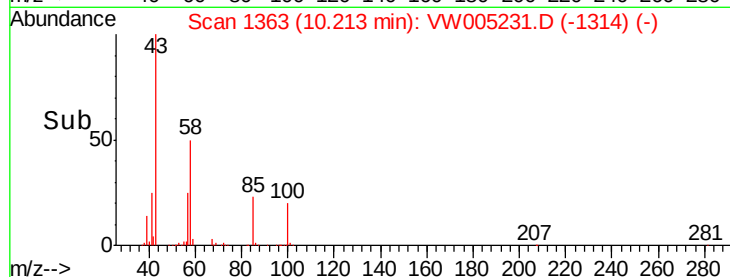
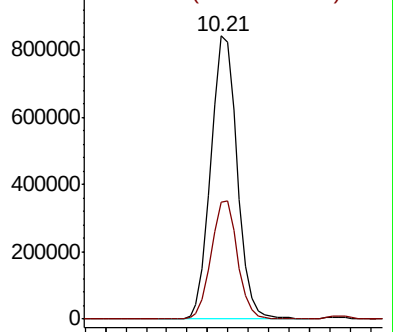
43 100

58 41.8 33.3 49.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 103.611 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005231.D

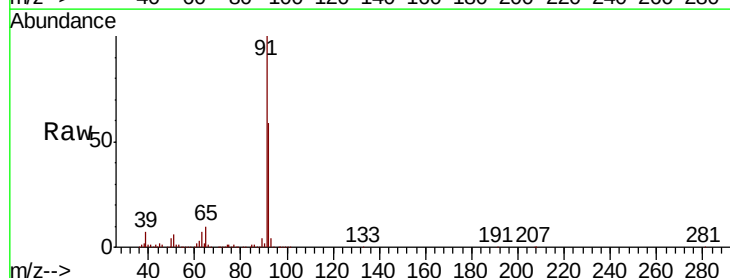
Acq: 08 Sep 2018 01:53

Tgt Ion: 92 Resp: 1439781

Ion Ratio Lower Upper

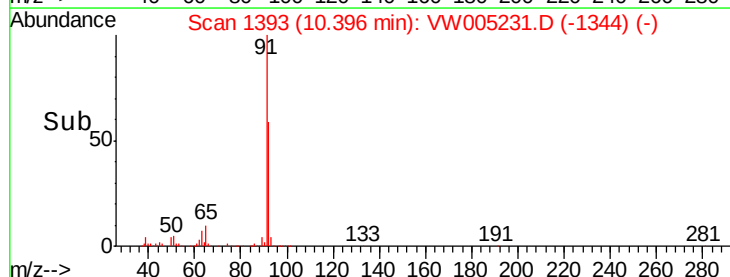
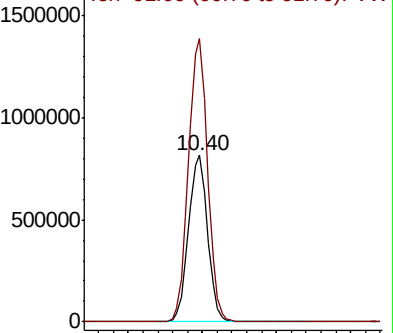
92 100

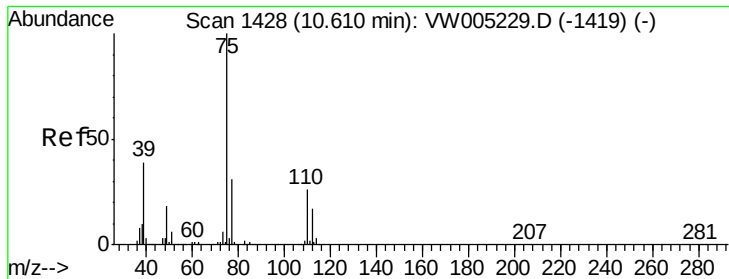
91 170.8 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 105.574 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

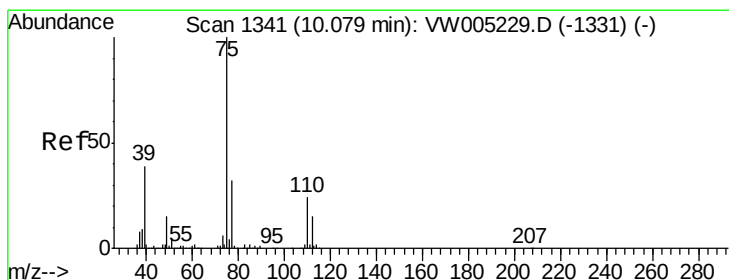
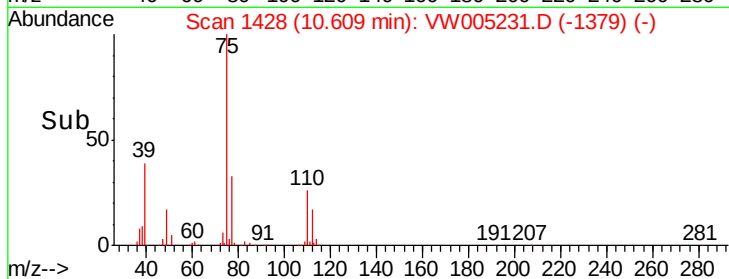
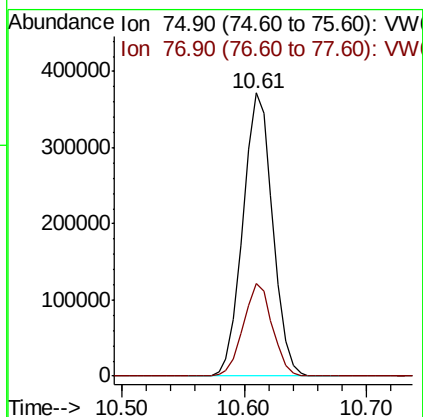
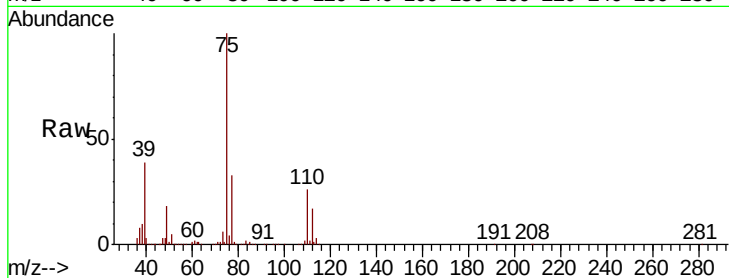
VSTDIC100

Tgt Ion: 75 Resp: 627797

Ion Ratio Lower Upper

75 100

77 32.8 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 100.059 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

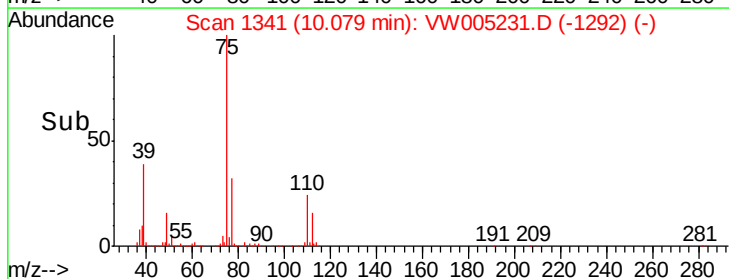
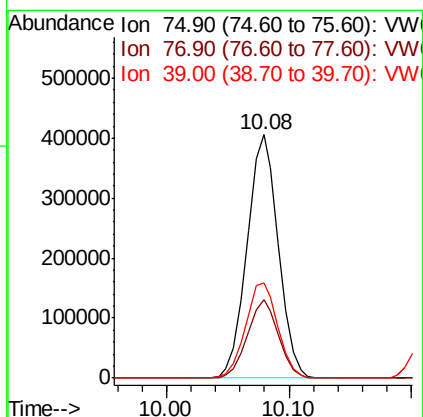
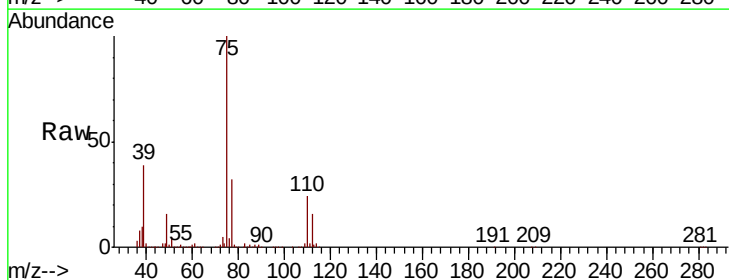
Tgt Ion: 75 Resp: 719341

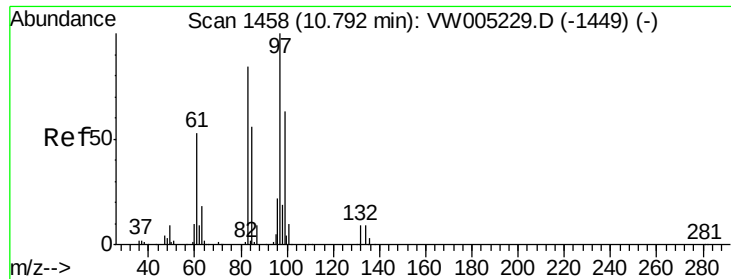
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 38.8 31.2 46.8

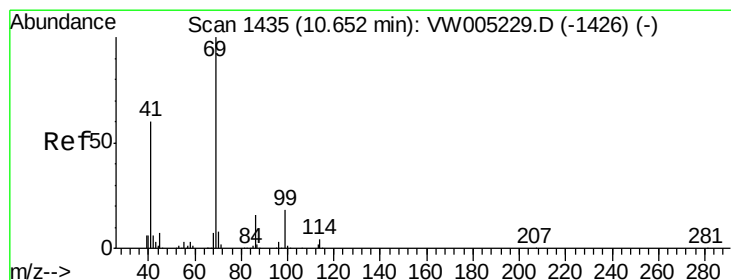
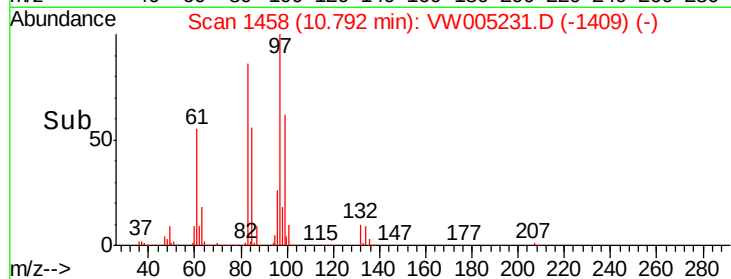
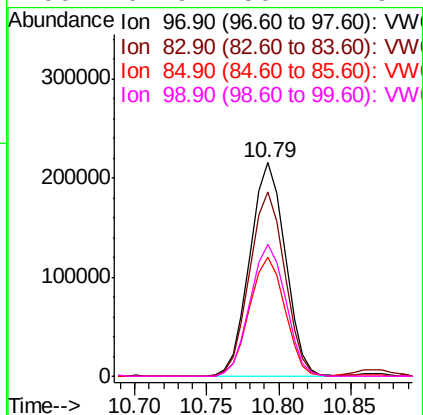
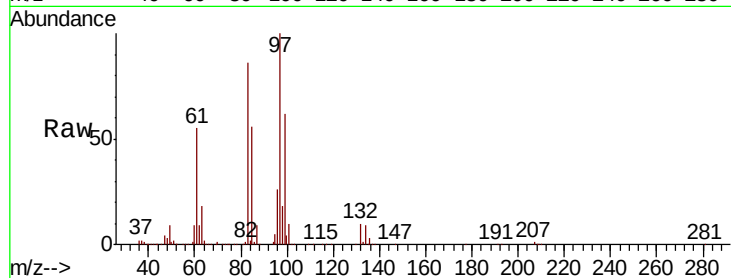




#55
 1,1,2-Trichloroethane
 Concen: 99.069 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

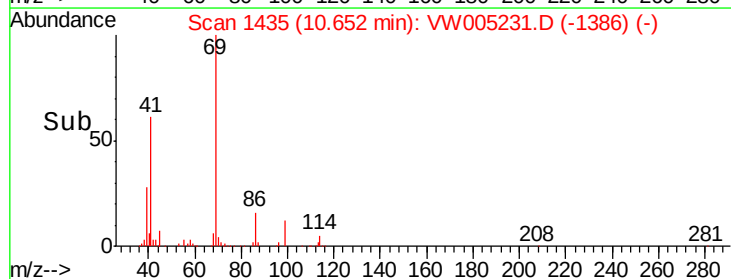
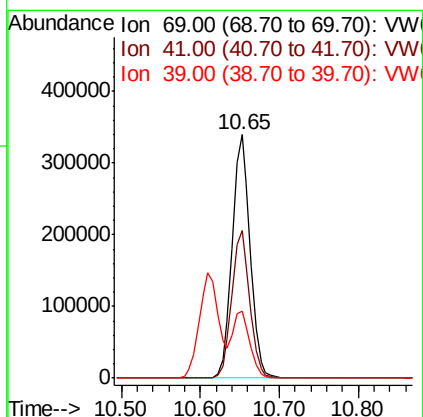
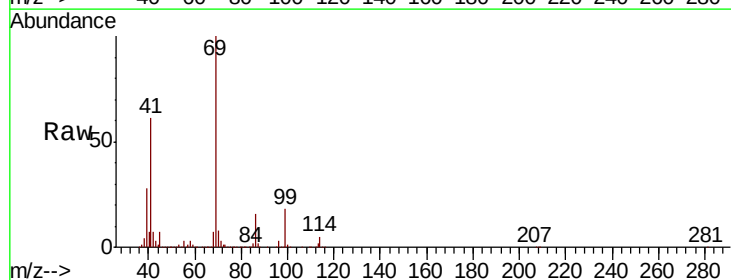
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

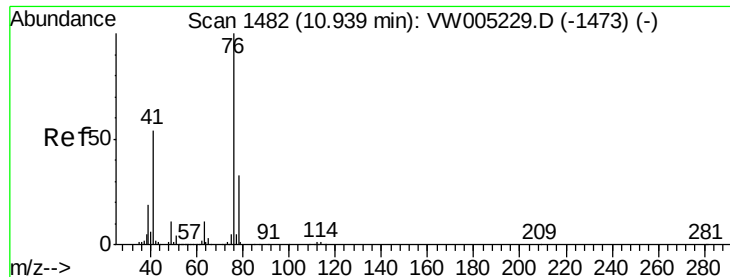
Tgt Ion:	97	Resp:	368307
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.0
85	55.5	44.6	66.8
99	61.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 124.574 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion:	69	Resp:	538143
Ion	Ratio	Lower	Upper
69	100		
41	60.1	47.9	71.9
39	26.1	20.9	31.3





#57

1,3-Dichloropropane

Concen: 102.216 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

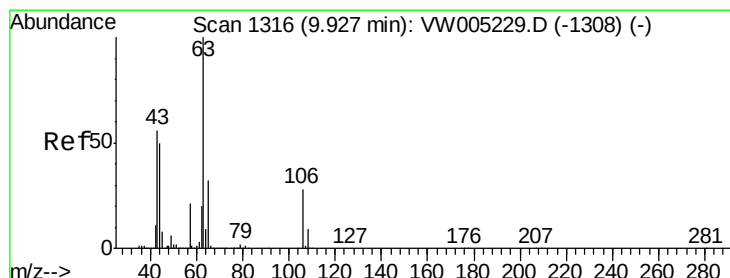
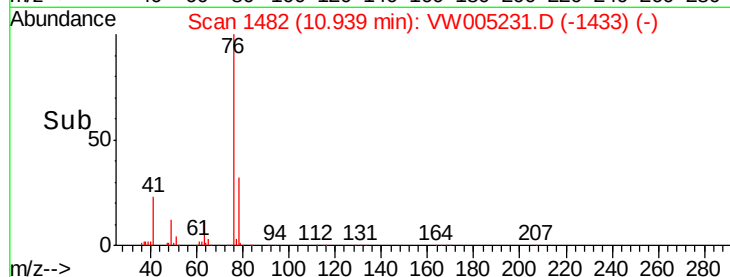
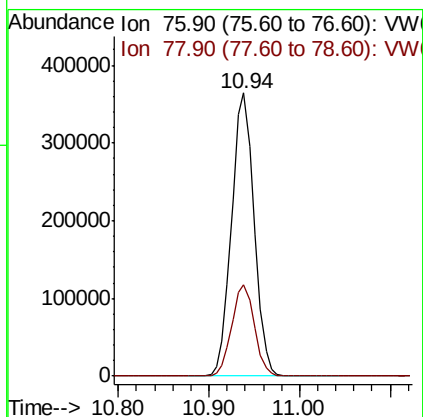
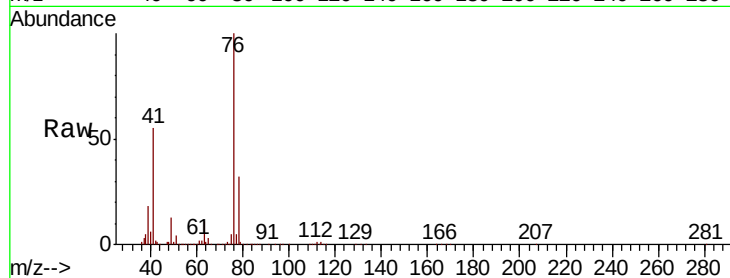
VSTDICC100

Tgt Ion: 76 Resp: 628362

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 546.360 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW005231.D

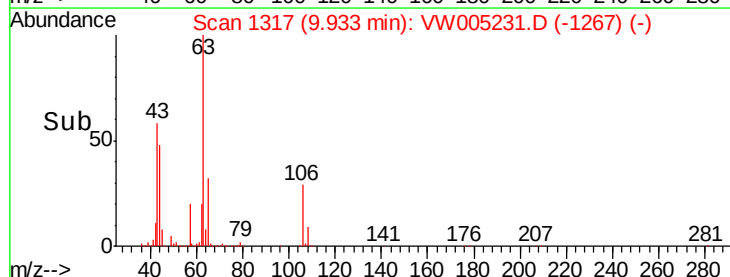
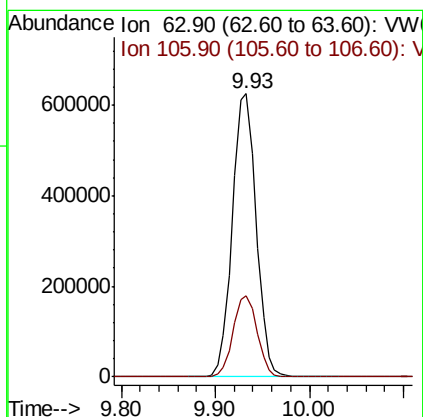
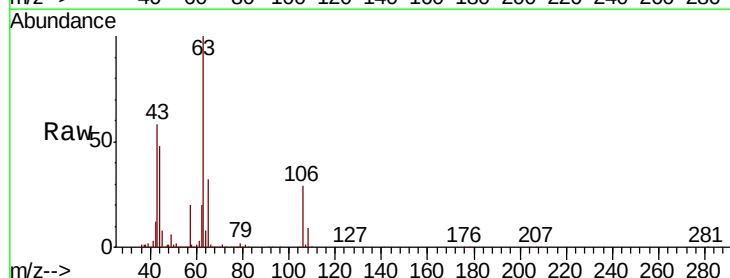
Acq: 08 Sep 2018 01:53

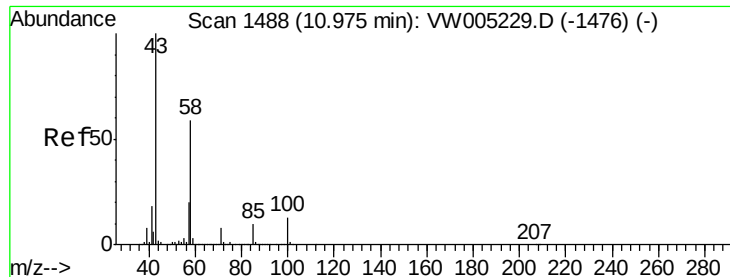
Tgt Ion: 63 Resp: 1099856

Ion Ratio Lower Upper

63 100

106 28.9 23.3 34.9

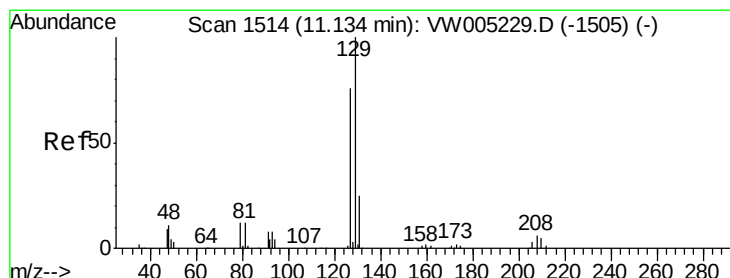
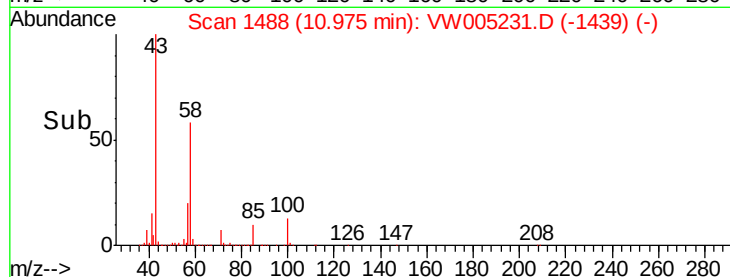
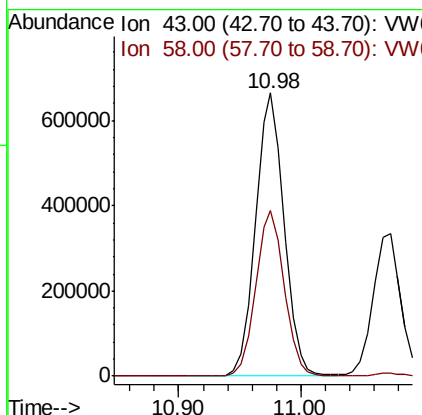
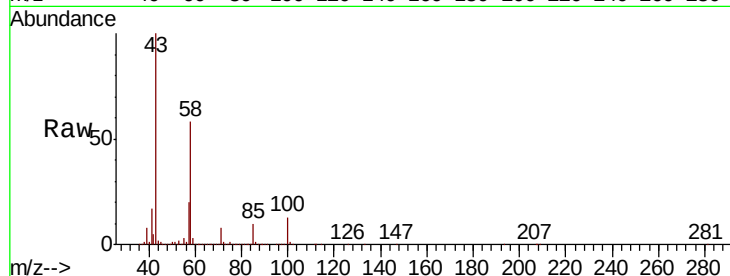




#59
2-Hexanone
Concen: 528.890 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

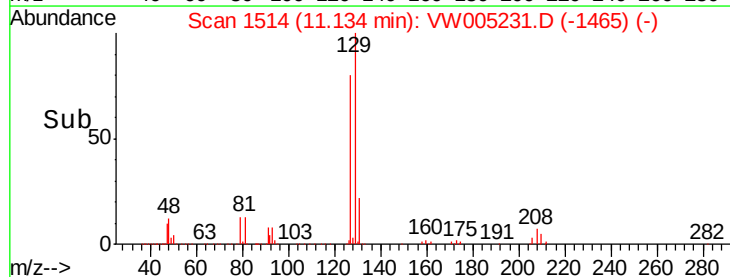
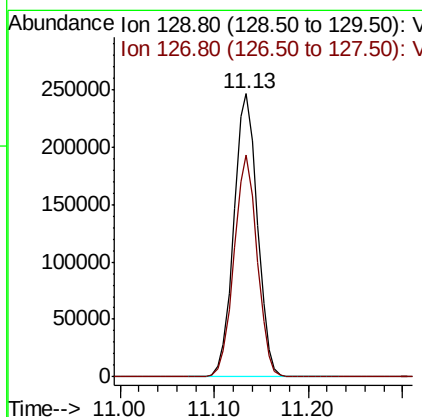
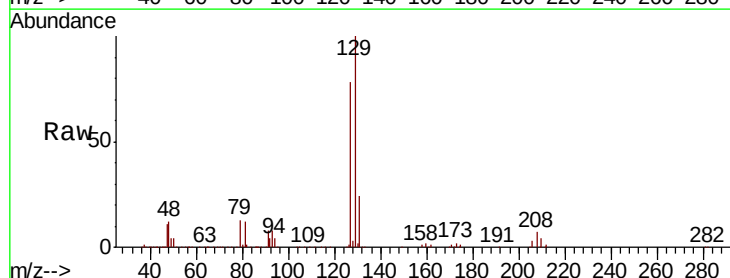
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

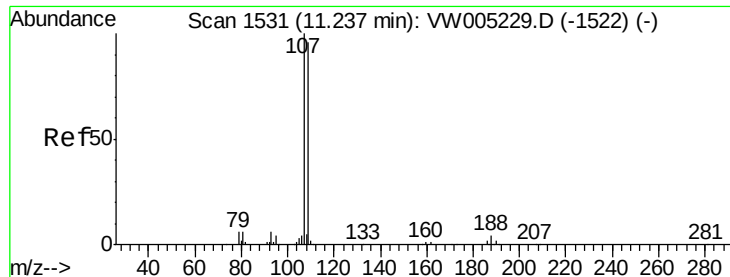
Tgt Ion: 43 Resp: 1079421
Ion Ratio Lower Upper
43 100
58 58.7 29.2 87.6



#60
Dibromochloromethane
Concen: 101.414 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 129 Resp: 426356
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1

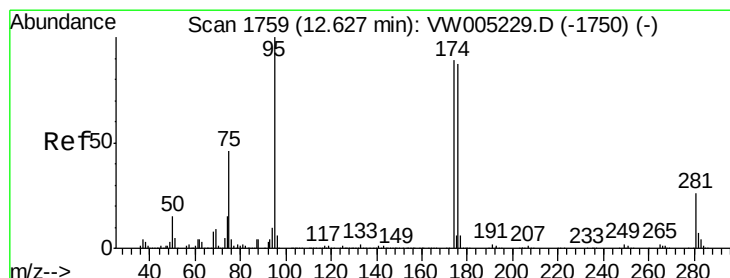
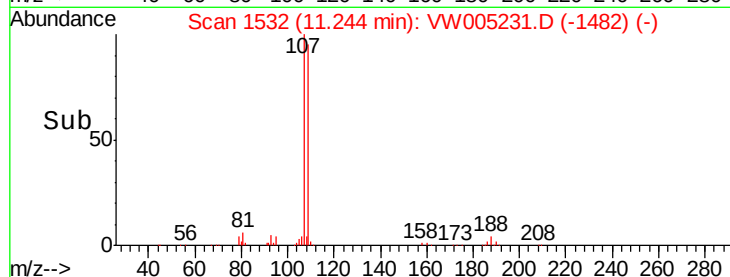
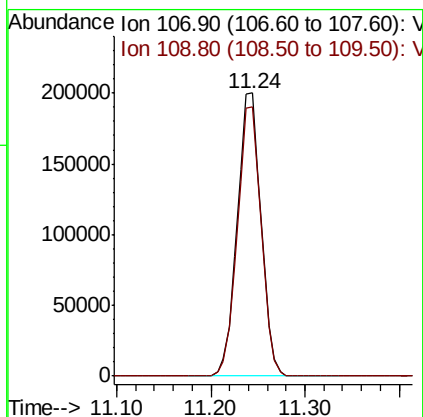
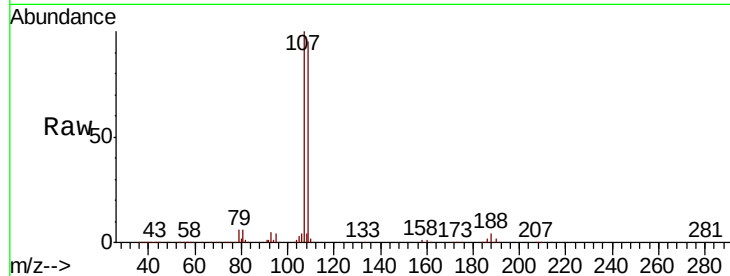




#61
 1,2-Dibromoethane
 Concen: 103.997 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

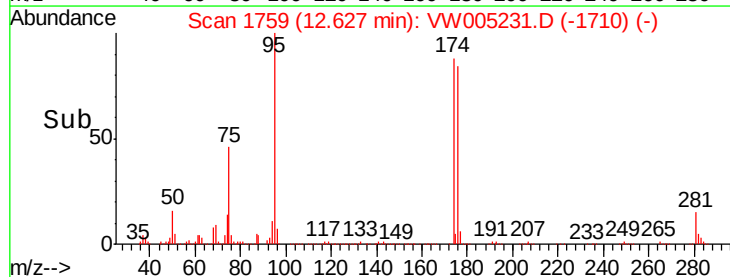
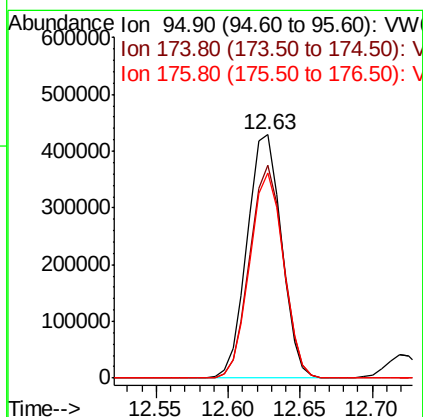
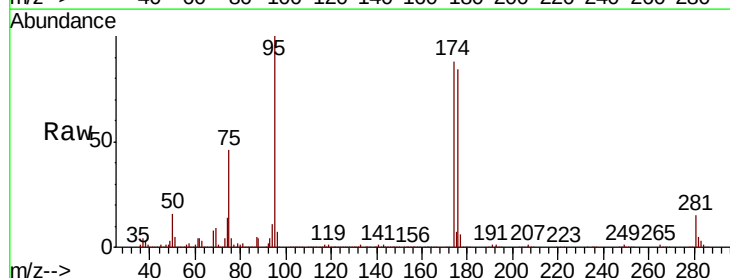
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

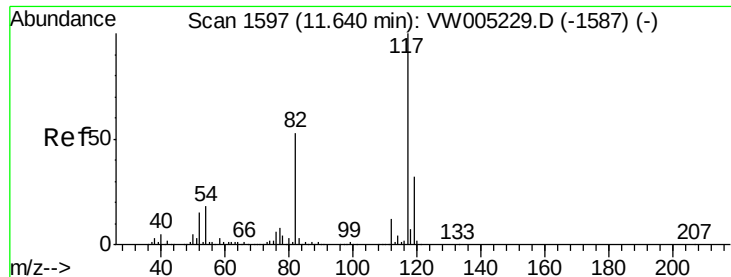
Tgt Ion: 107 Resp: 351218
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 104.513 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 95 Resp: 707130
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 173.2
 176 83.4 0.0 167.2

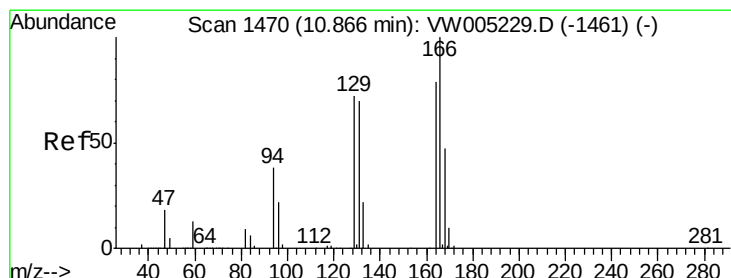
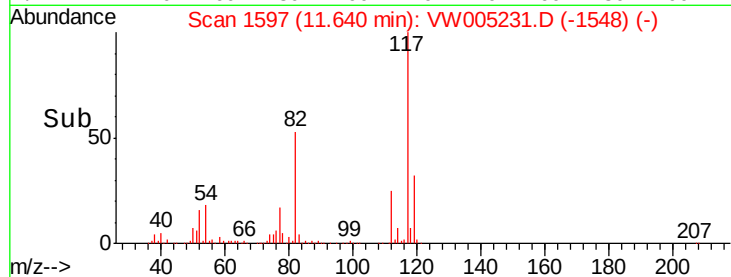
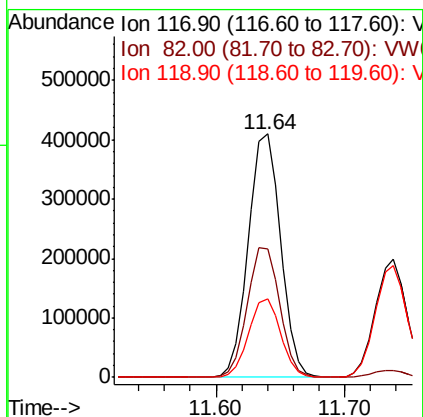
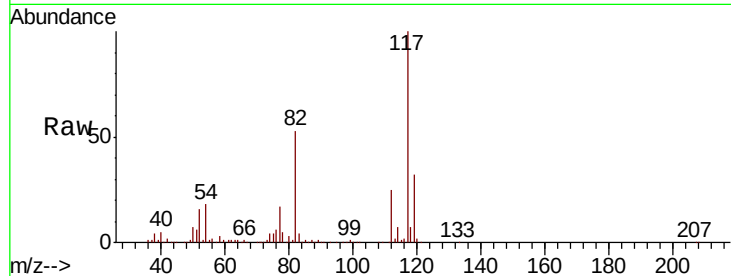




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

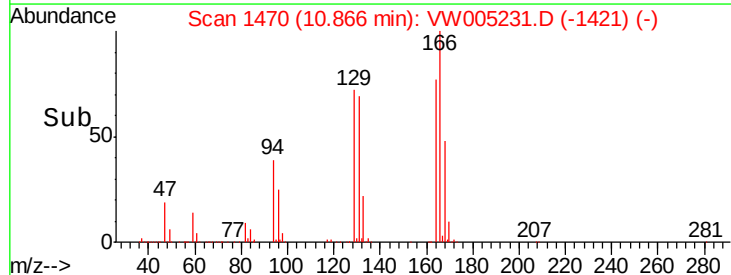
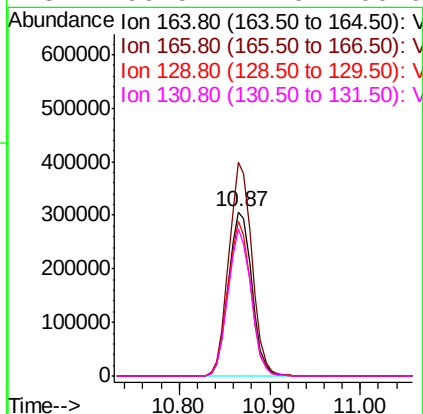
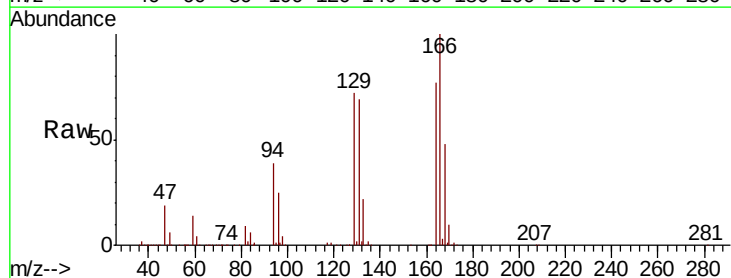
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

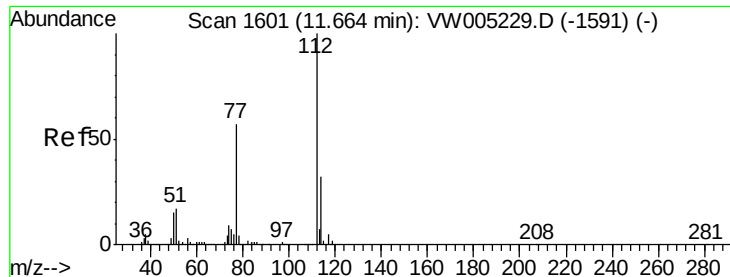
Tgt Ion:117 Resp: 709034
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 99.667 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:164 Resp: 551936
Ion Ratio Lower Upper
164 100
166 130.3 101.0 151.6
129 94.2 73.0 109.4
131 90.0 71.0 106.6





#65

Chlorobenzene

Concen: 100.788 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

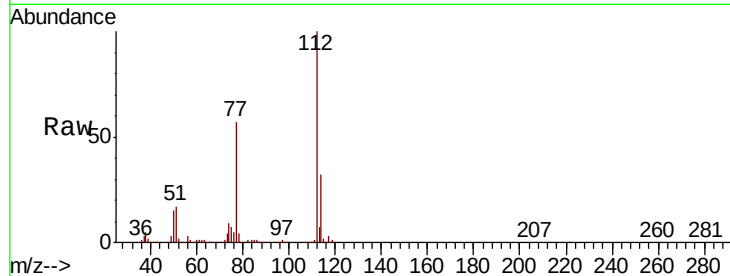
VSTDICC100

Tgt Ion:112 Resp: 1587638

Ion Ratio Lower Upper

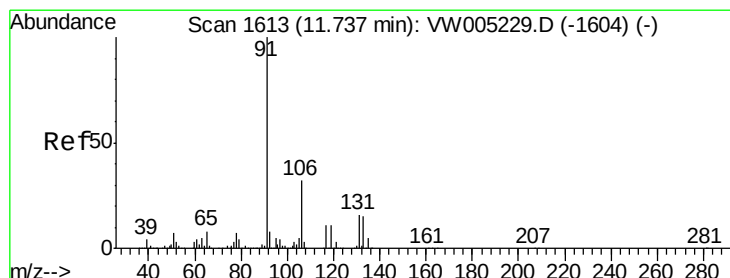
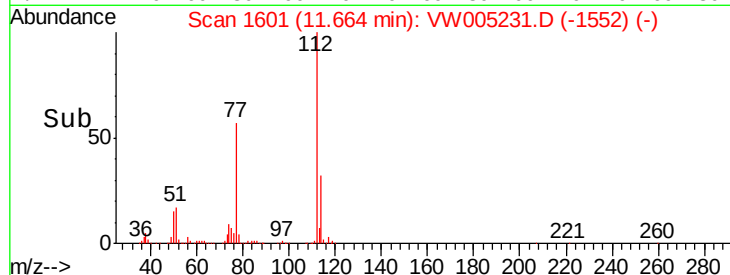
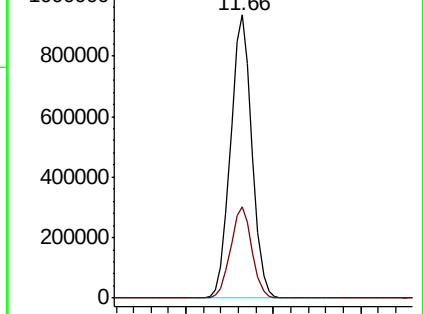
112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 99.851 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

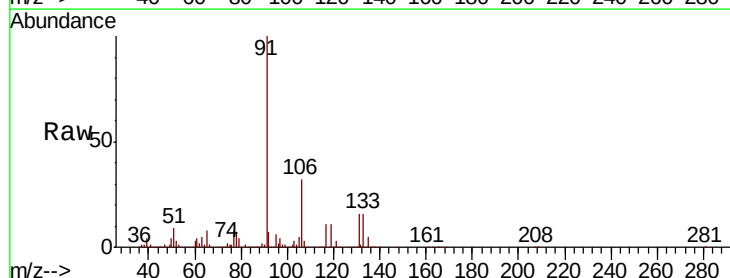
Tgt Ion:131 Resp: 480001

Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.6

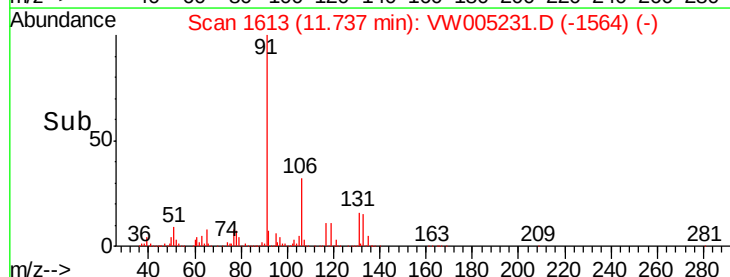
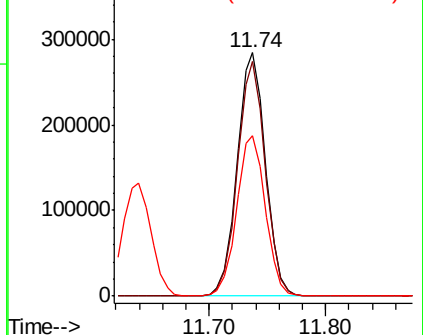
119 66.7 33.3 99.8

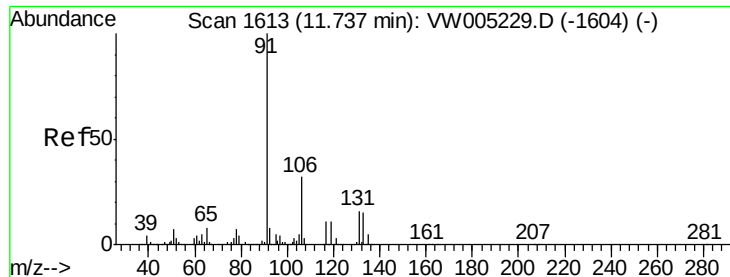


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

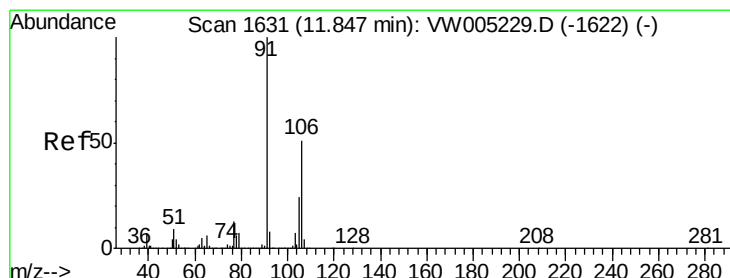
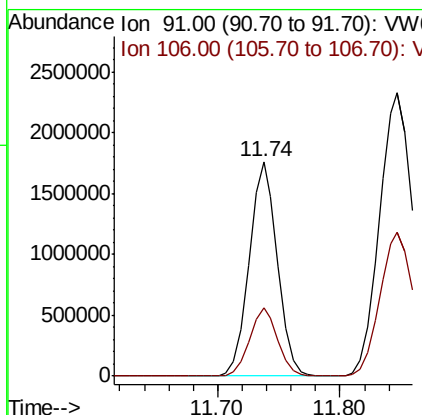
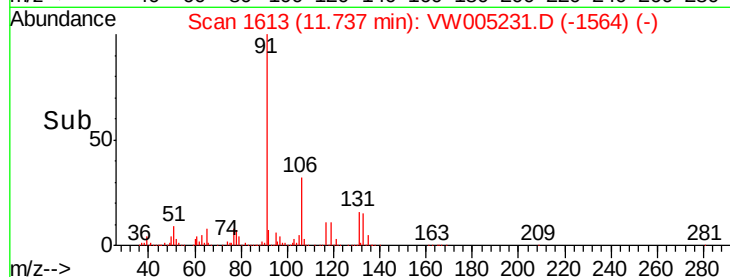
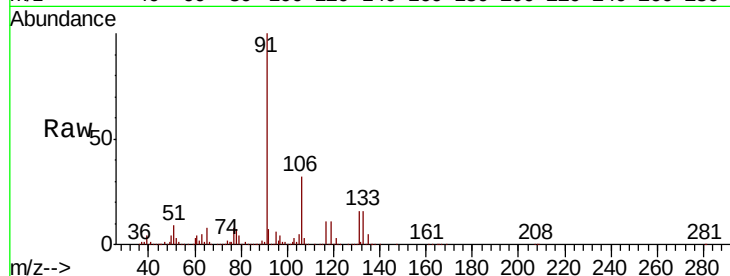




#67
Ethyl Benzene
Concen: 105.920 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

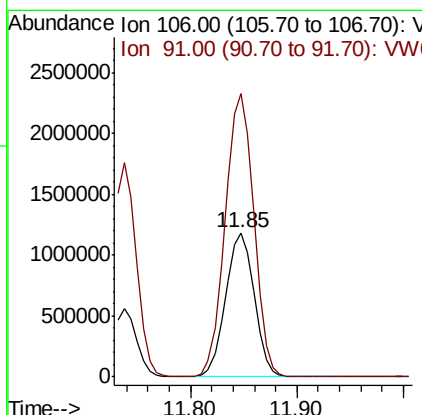
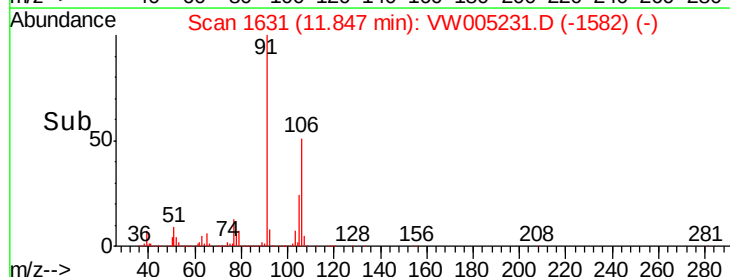
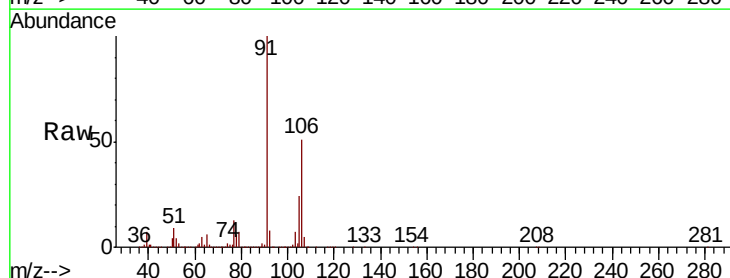
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

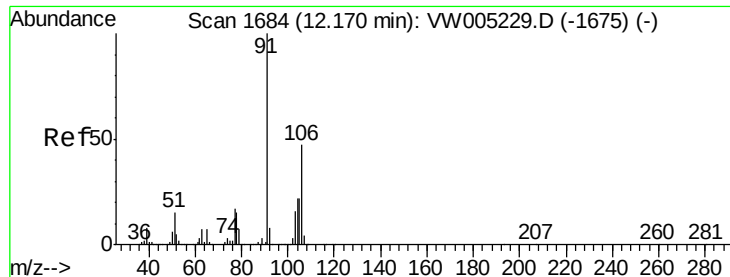
Tgt Ion: 91 Resp: 2811642
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 209.350 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 106 Resp: 2222473
Ion Ratio Lower Upper
106 100
91 197.6 157.4 236.2

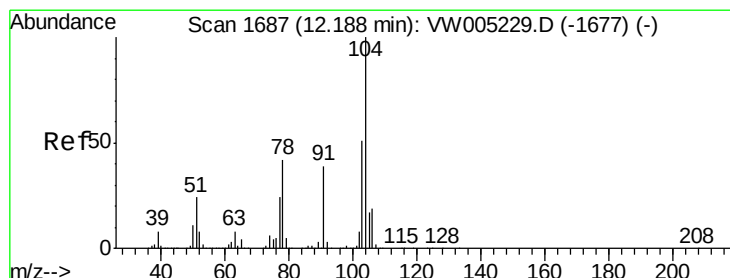
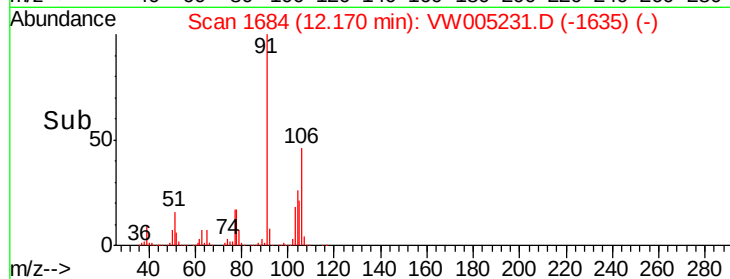
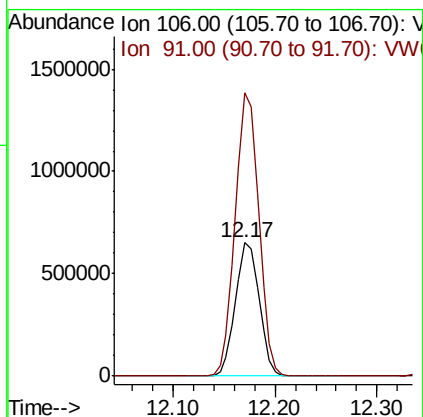
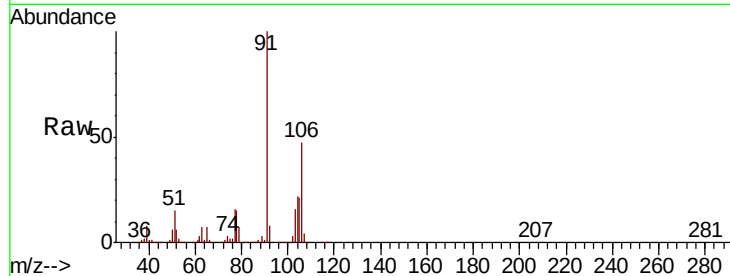




#69
o-Xylene
Concen: 106.511 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

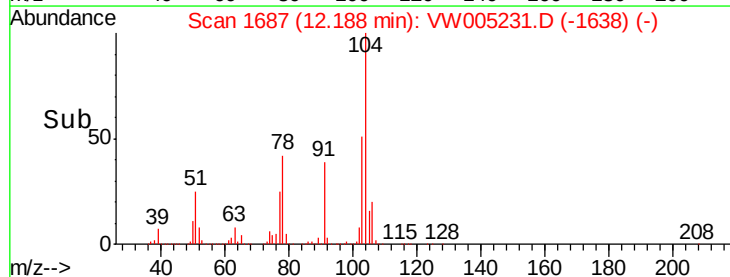
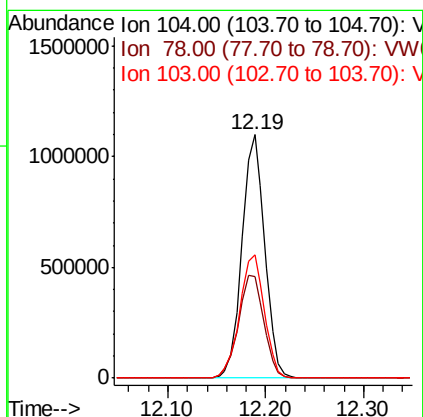
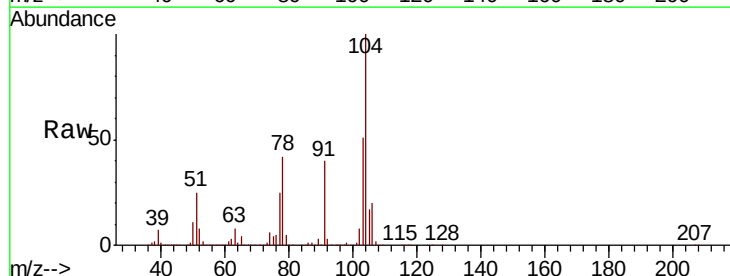
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

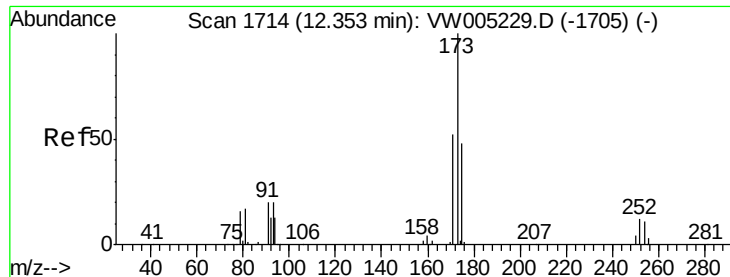
Tgt Ion:106 Resp: 1049540
Ion Ratio Lower Upper
106 100
91 211.2 104.5 313.3



#70
Styrene
Concen: 109.054 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:104 Resp: 1769617
Ion Ratio Lower Upper
104 100
78 47.5 37.9 56.9
103 55.2 44.1 66.1





#71

Bromoform

Concen: 107.153 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

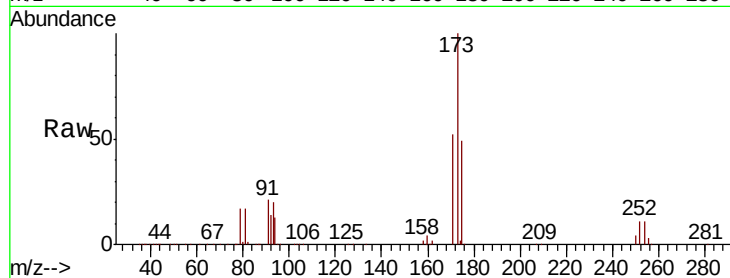
Tgt Ion:173 Resp: 275496

Ion Ratio Lower Upper

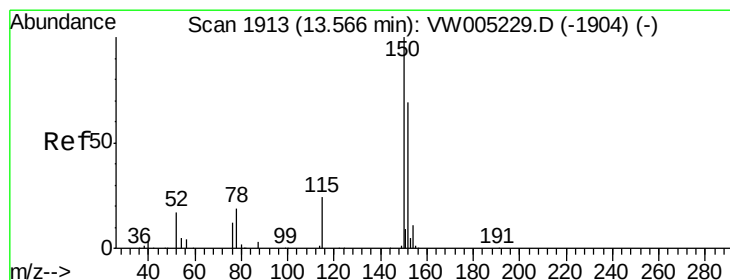
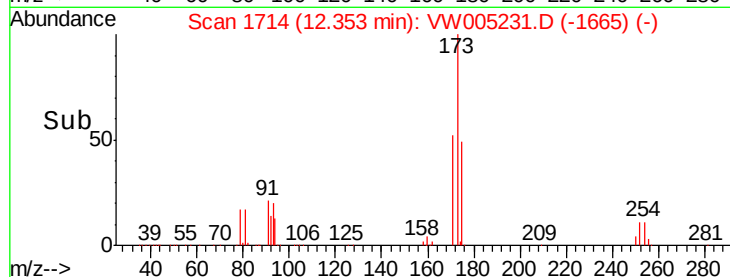
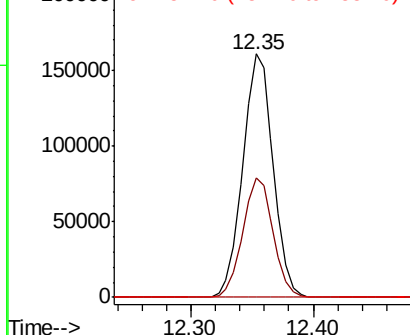
173 100

175 49.0 24.0 72.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

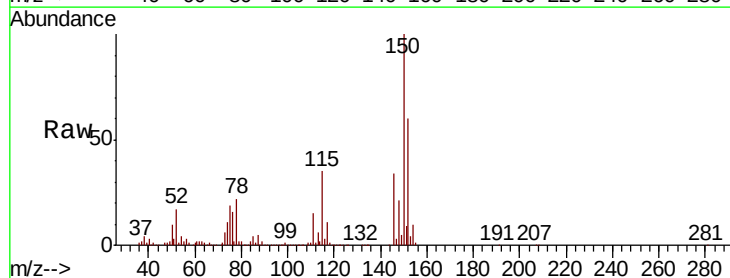
Tgt Ion:152 Resp: 378542

Ion Ratio Lower Upper

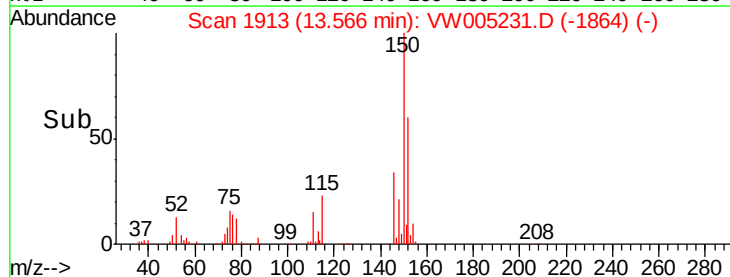
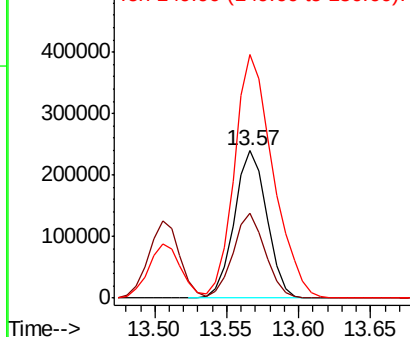
152 100

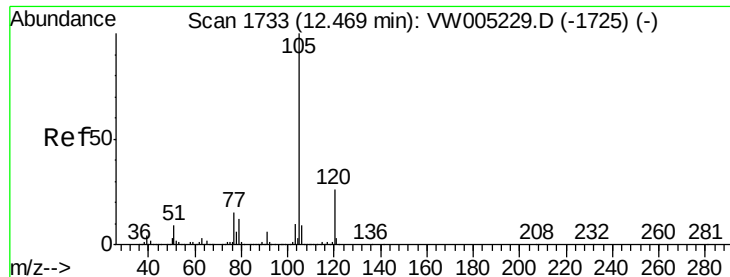
115 55.9 28.1 84.3

150 194.1 0.0 351.4



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: 106.504 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

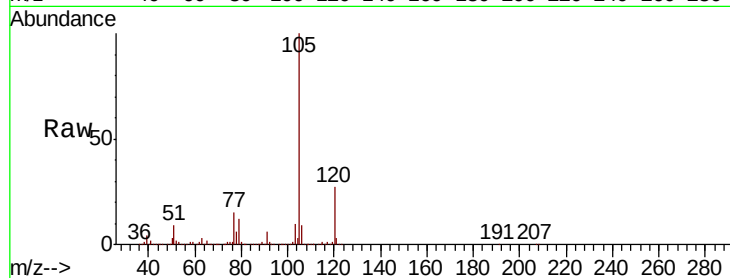
VSTDIC100

Tgt Ion:105 Resp: 2800809

Ion Ratio Lower Upper

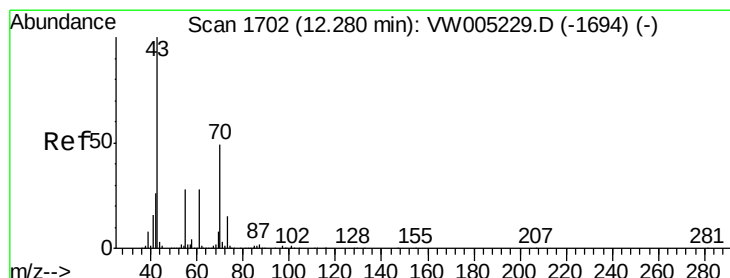
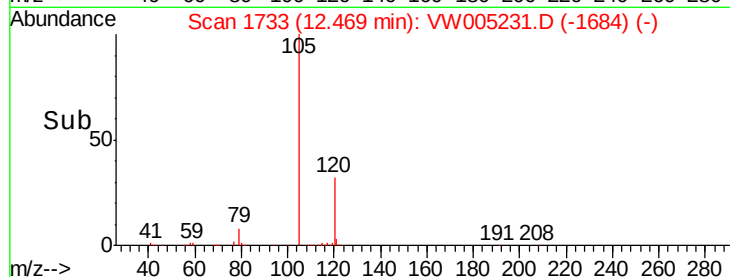
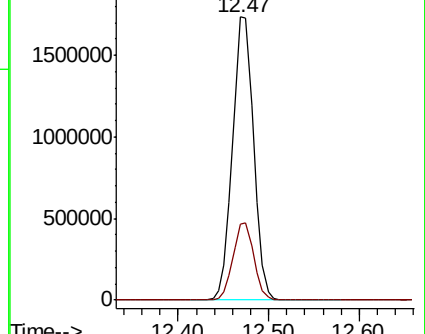
105 100

120 26.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 128.930 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion: 43 Resp: 602156

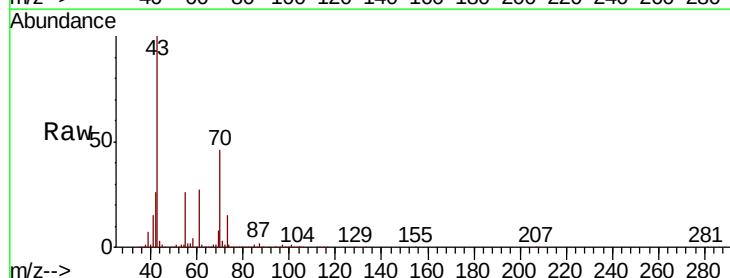
Ion Ratio Lower Upper

43 100

70 46.2 38.3 57.5

55 26.5 22.5 33.7

61 26.3 21.1 31.7

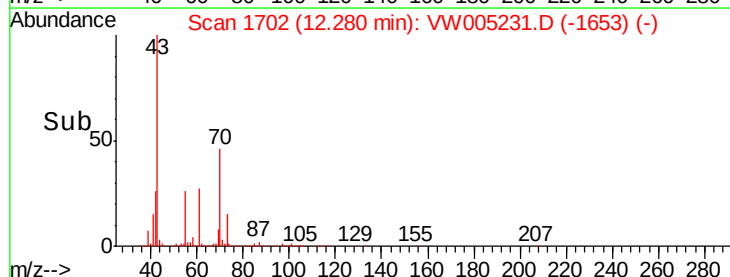
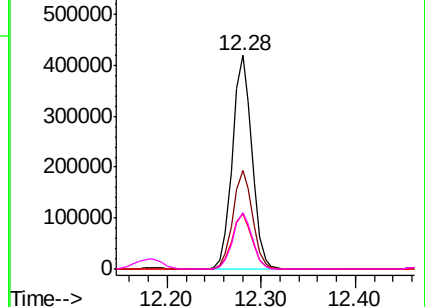


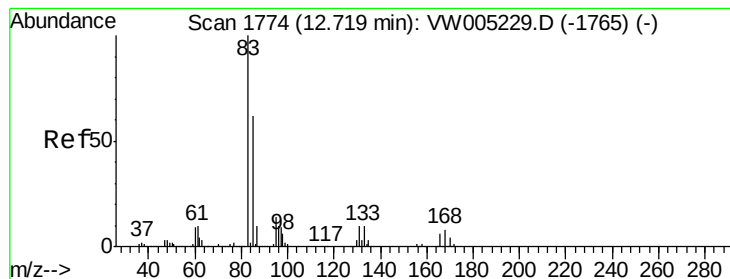
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 110.072 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

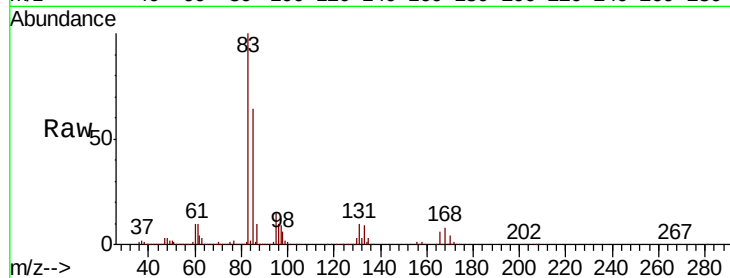
Tgt Ion: 83 Resp: 449441

Ion Ratio Lower Upper

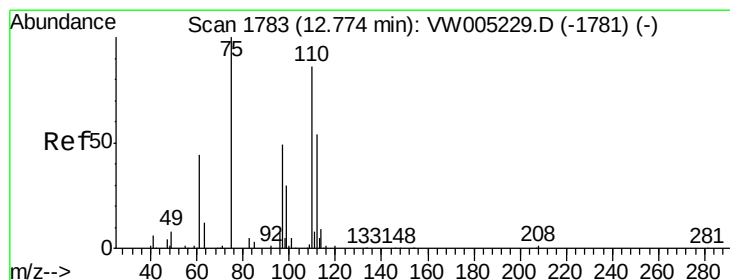
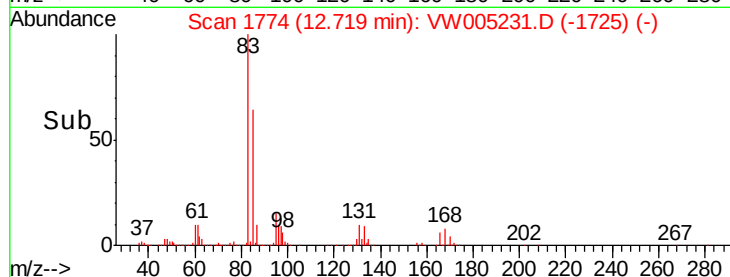
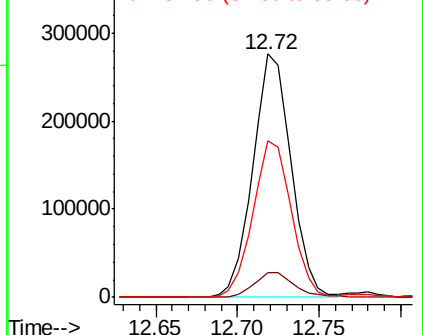
83 100

131 10.8 5.3 16.1

85 64.6 32.0 96.0



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: 206.536 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005231.D

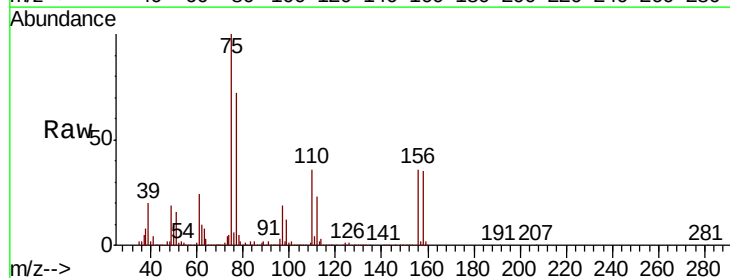
Acq: 08 Sep 2018 01:53

Tgt Ion: 75 Resp: 591914

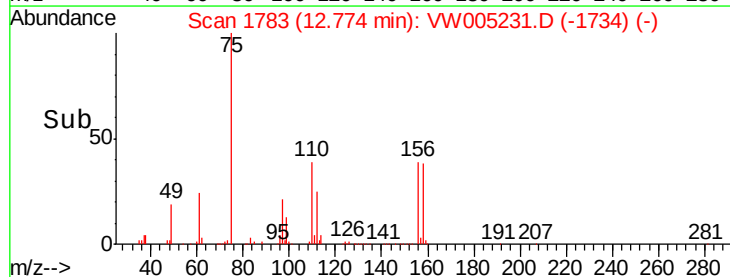
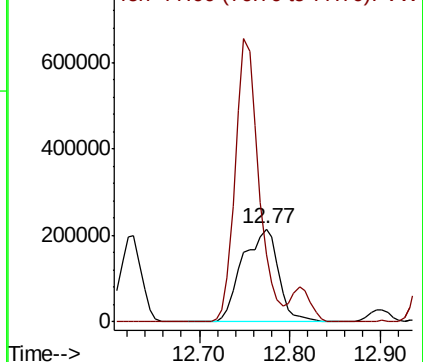
Ion Ratio Lower Upper

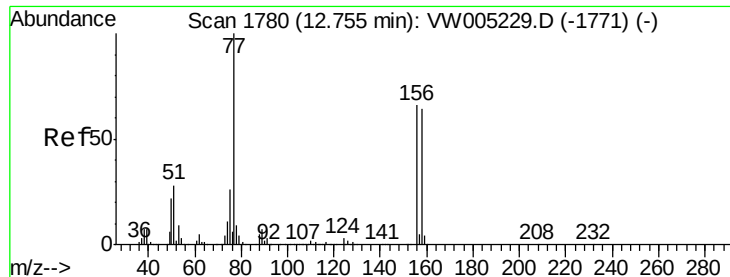
75 100

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: 103.428 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

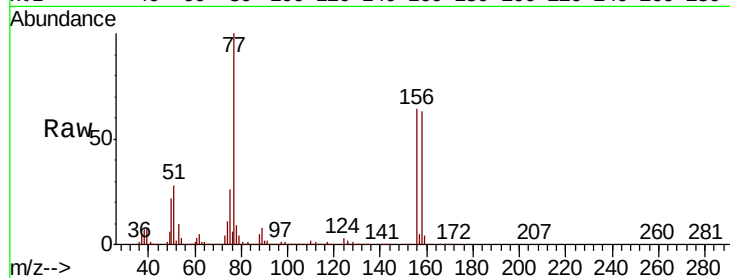
Tgt Ion:156 Resp: 671800

Ion Ratio Lower Upper

156 100

77 176.5 86.4 259.2

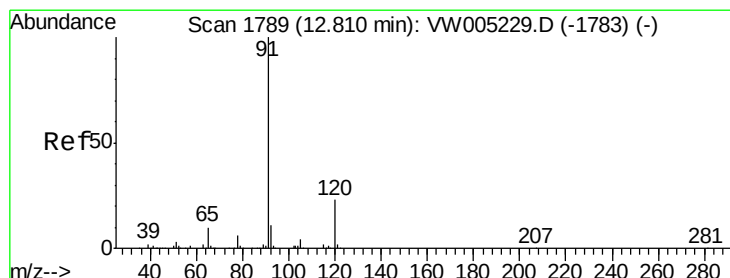
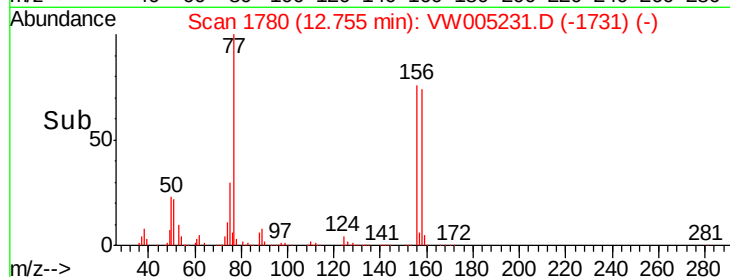
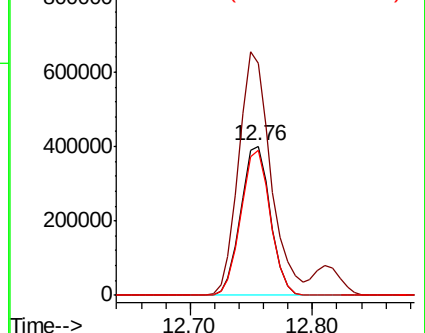
158 96.9 48.4 145.0



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: 106.087 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005231.D

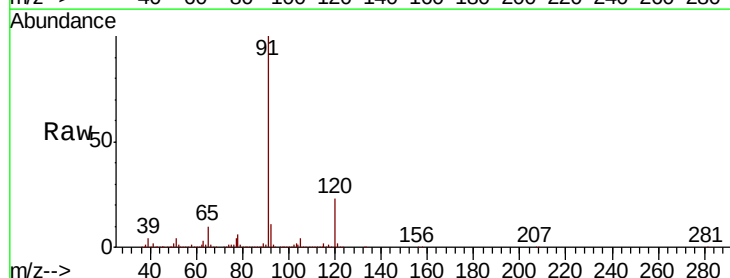
Acq: 08 Sep 2018 01:53

Tgt Ion: 91 Resp: 3359146

Ion Ratio Lower Upper

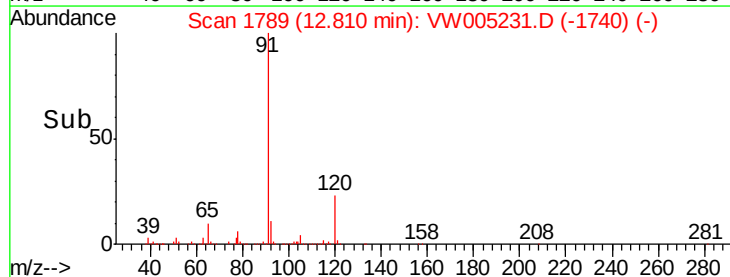
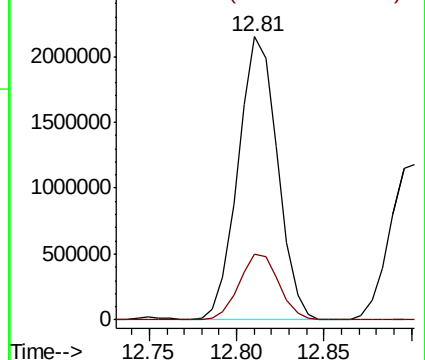
91 100

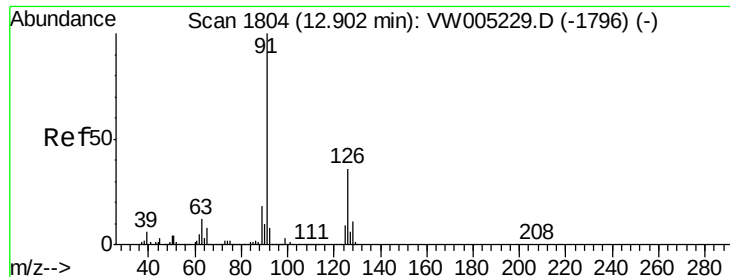
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 104.115 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

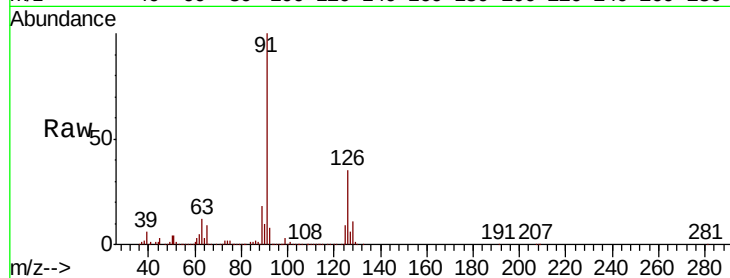
VSTDIC100

Tgt Ion: 91 Resp: 1927820

Ion Ratio Lower Upper

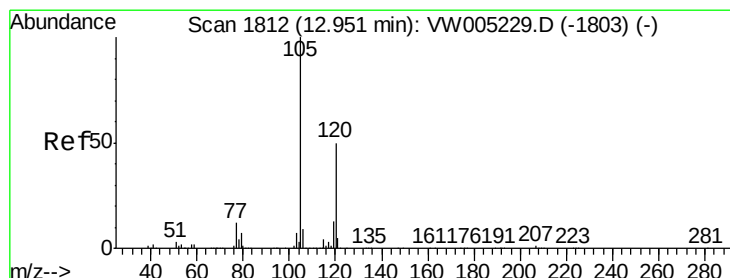
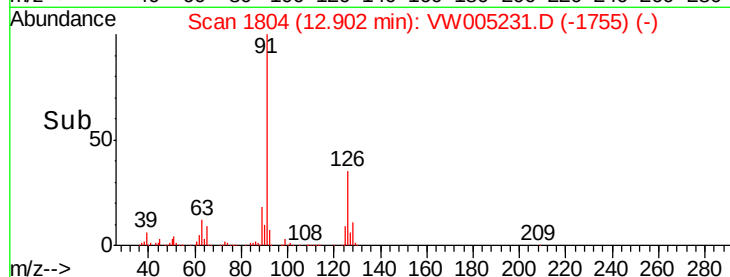
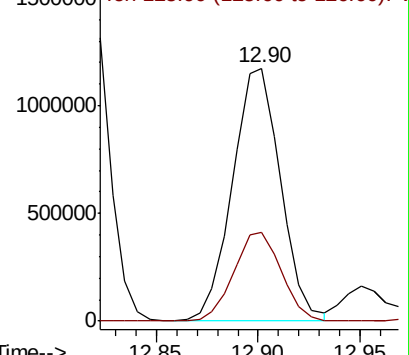
91 100

126 34.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 107.759 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005231.D

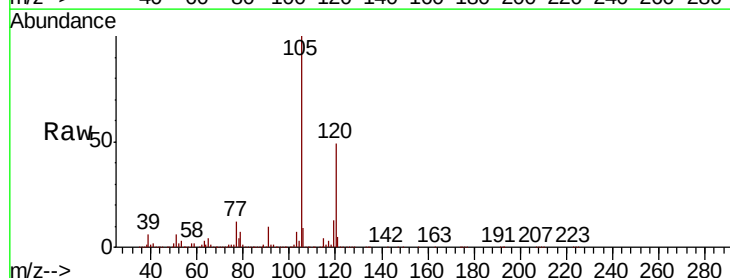
Acq: 08 Sep 2018 01:53

Tgt Ion: 105 Resp: 2439085

Ion Ratio Lower Upper

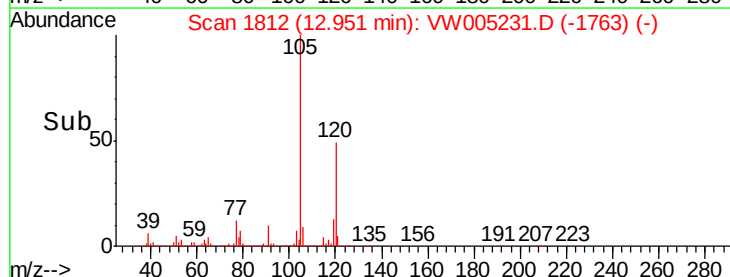
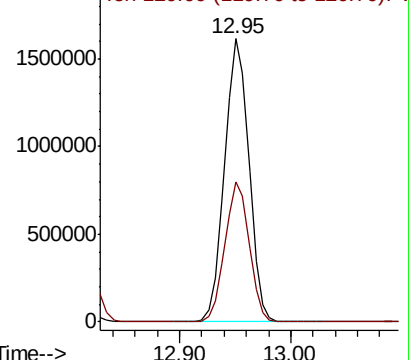
105 100

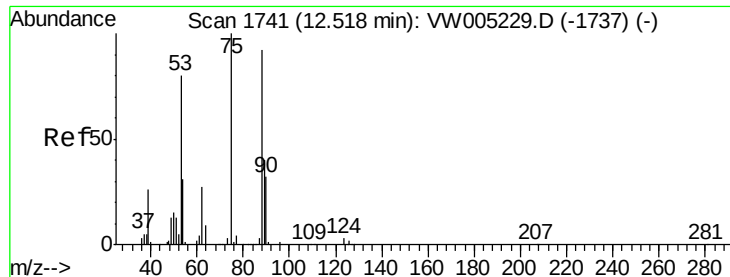
120 49.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.717 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

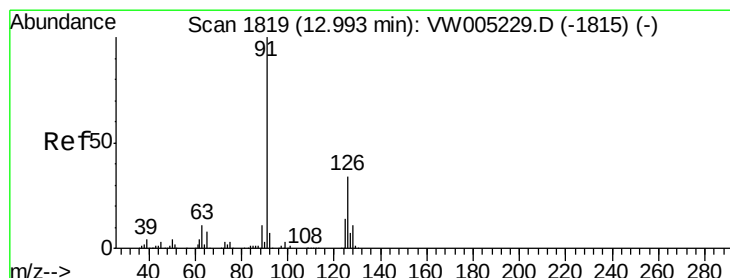
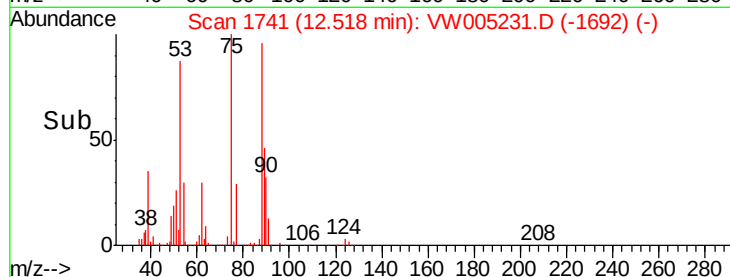
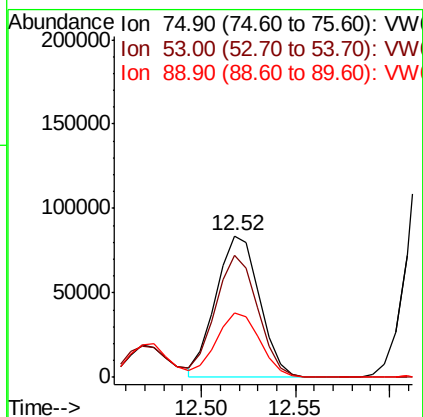
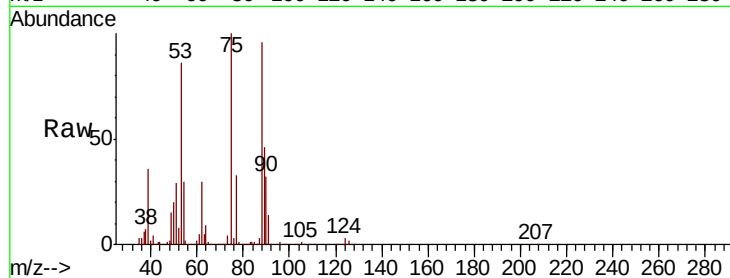
Tgt Ion: 75 Resp: 134019

Ion Ratio Lower Upper

75 100

53 84.2 69.0 103.6

89 45.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 102.757 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005231.D

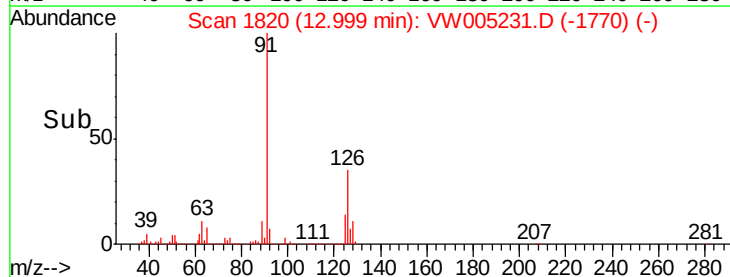
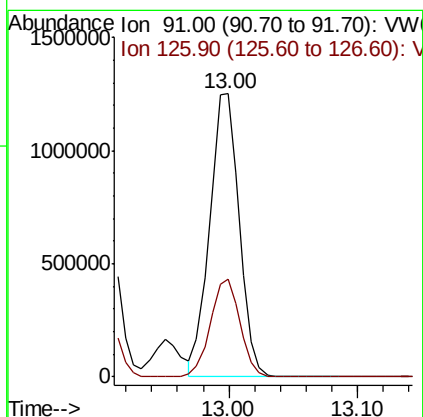
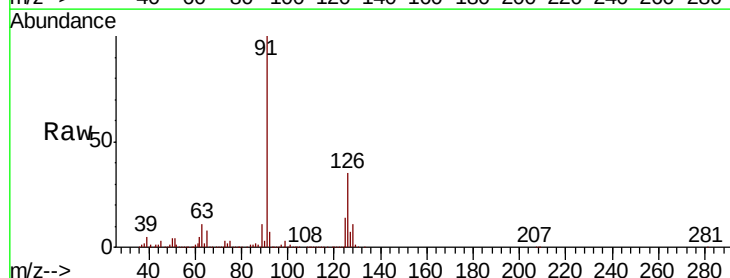
Acq: 08 Sep 2018 01:53

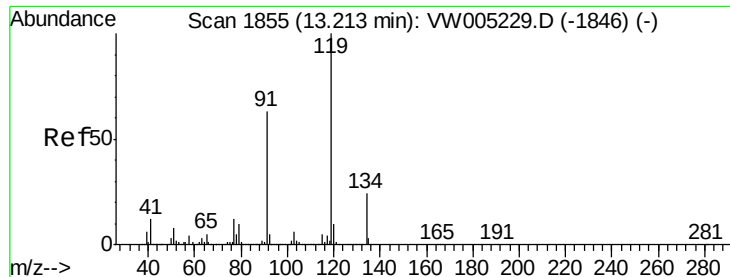
Tgt Ion: 91 Resp: 2010542

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





#83

tert-Butylbenzene

Concen: 107.320 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

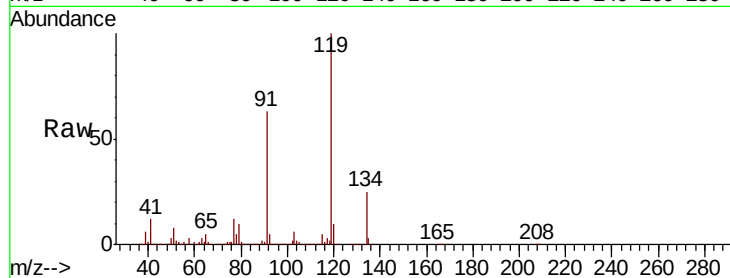
Tgt Ion:119 Resp: 2046877

Ion Ratio Lower Upper

119 100

91 63.6 30.8 92.3

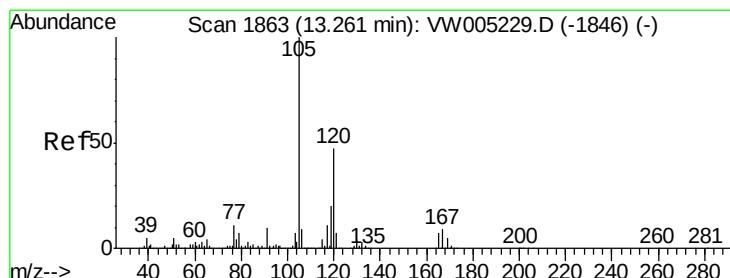
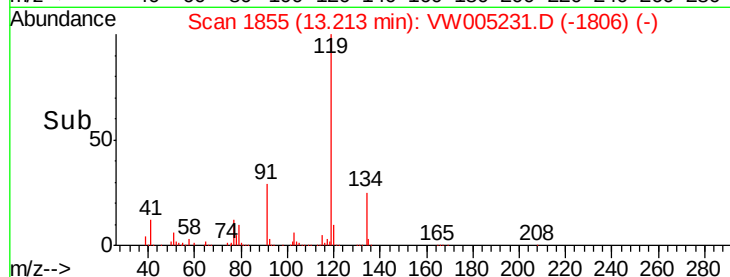
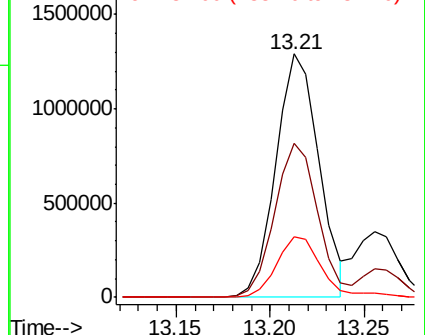
134 26.2 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 107.545 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VW005231.D

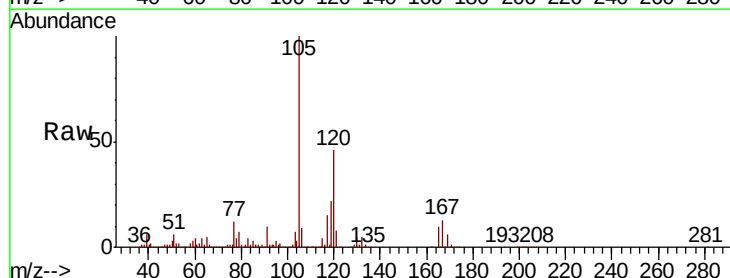
Acq: 08 Sep 2018 01:53

Tgt Ion:105 Resp: 2479116

Ion Ratio Lower Upper

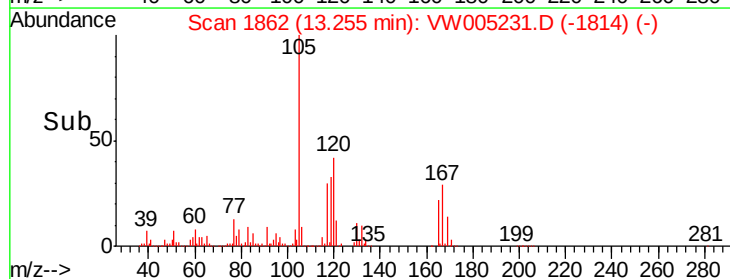
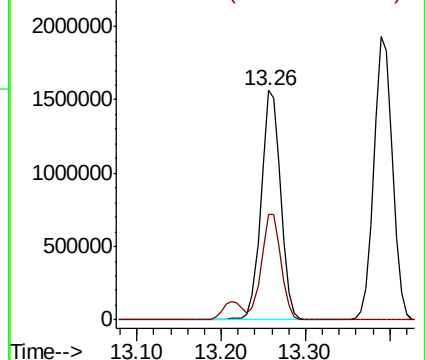
105 100

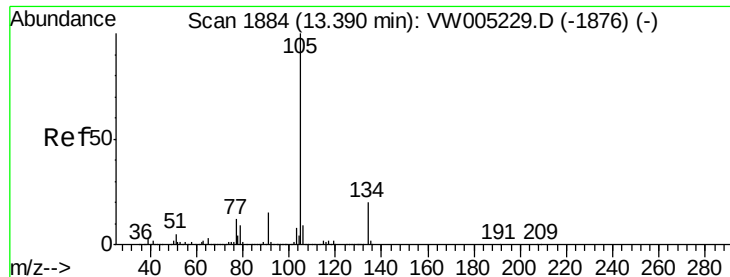
120 46.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 106.320 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

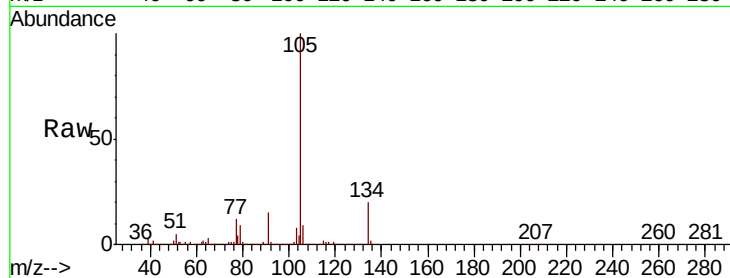
VSTDIC100

Tgt Ion:105 Resp: 2963590

Ion Ratio Lower Upper

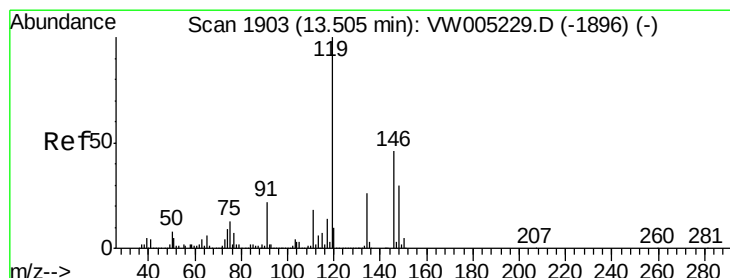
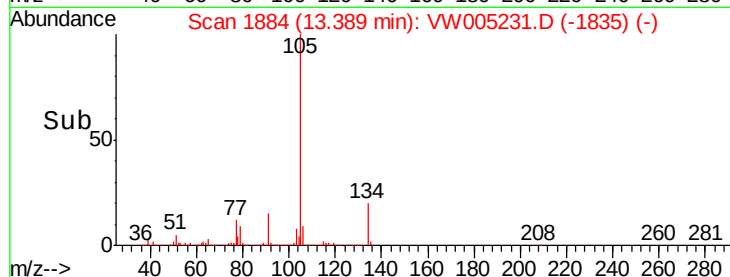
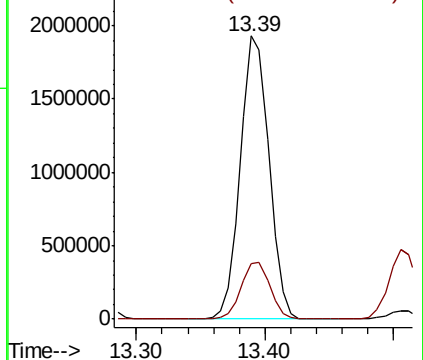
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 109.305 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

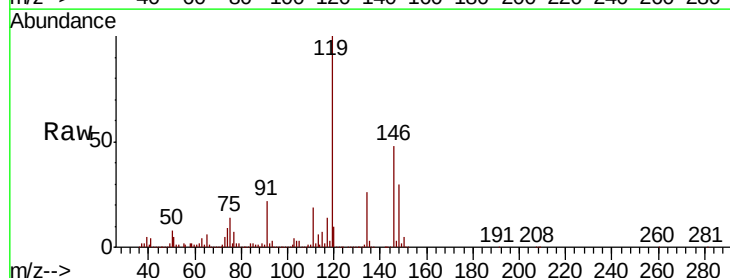
Tgt Ion:119 Resp: 2694983

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

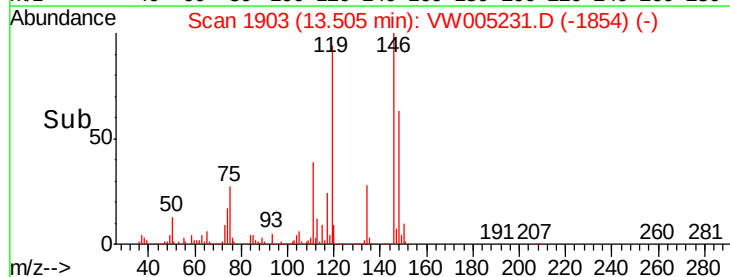
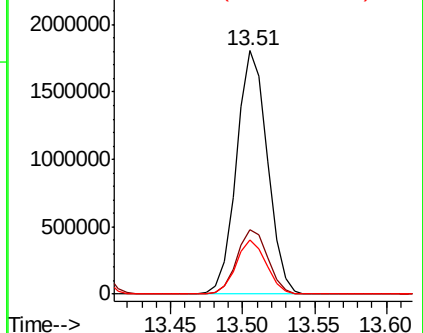
91 21.8 10.9 32.7

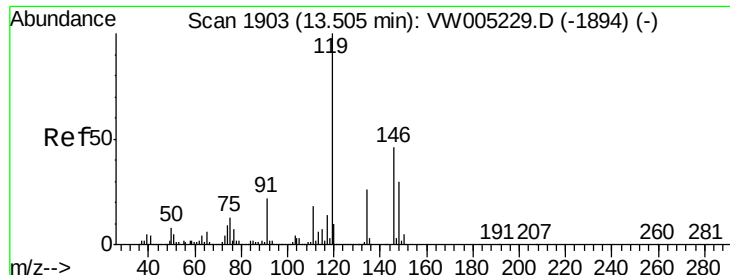


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

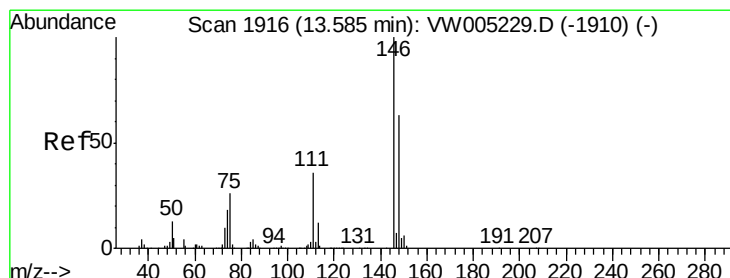
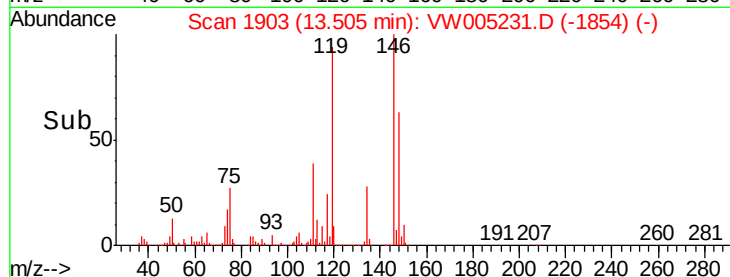
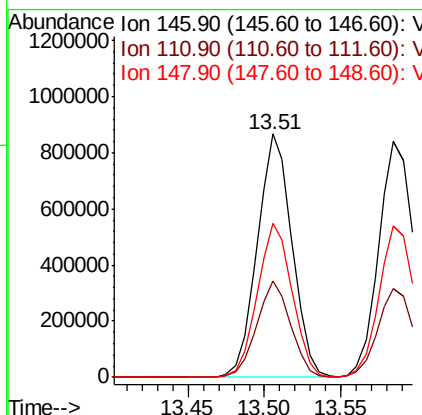
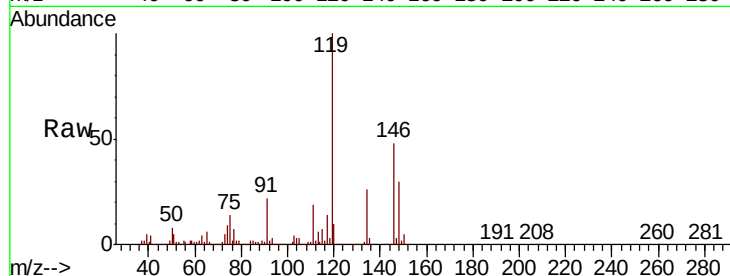




#87
 1,3-Dichlorobenzene
 Concen: 102.662 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

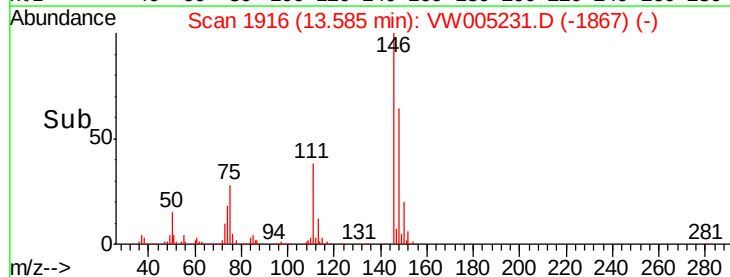
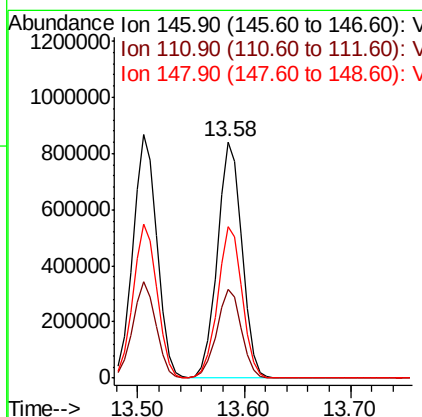
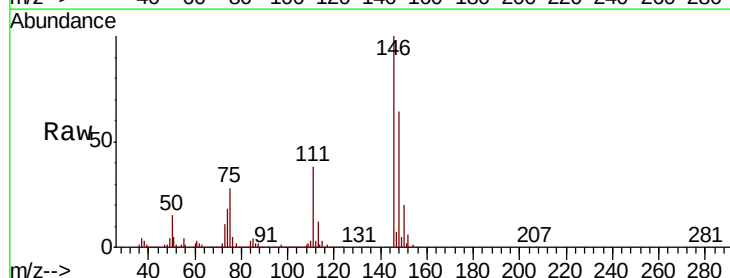
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

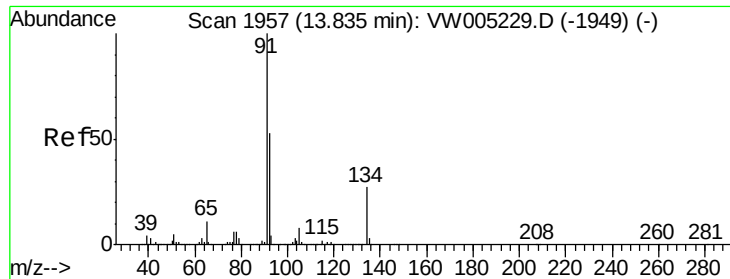
Tgt Ion:146 Resp: 1366989
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.8
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 101.470 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion:146 Resp: 1342433
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 56.0
 148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 111.220 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

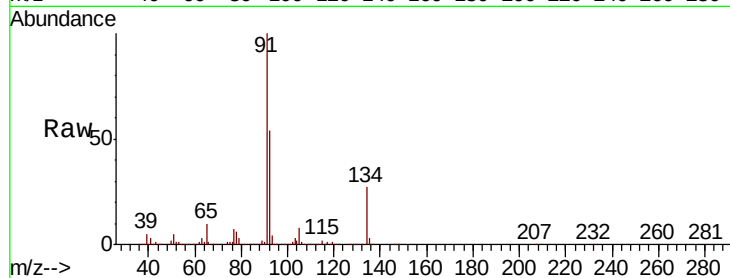
Tgt Ion: 91 Resp: 2536735

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

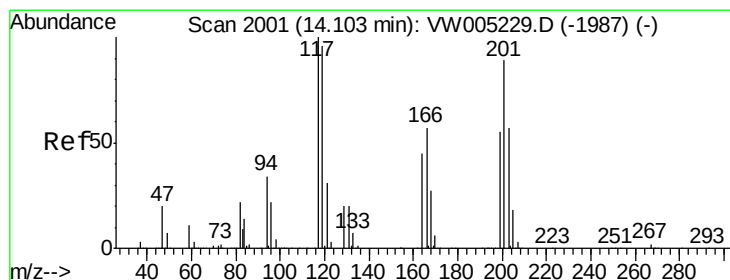
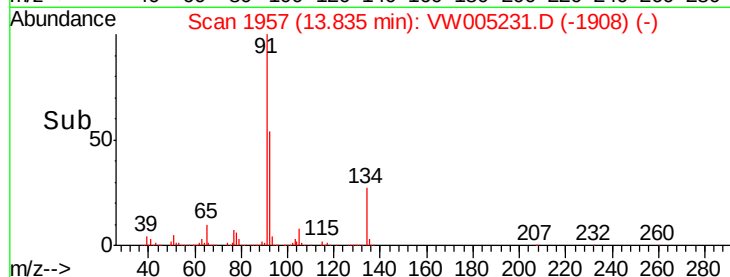
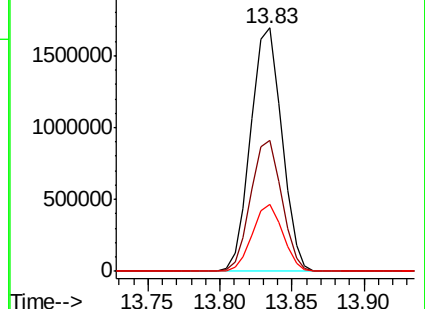
134 26.9 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 105.234 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005231.D

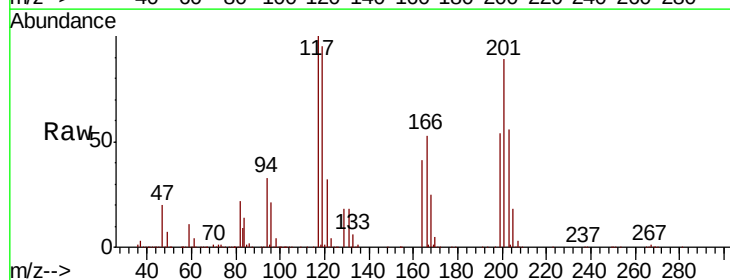
Acq: 08 Sep 2018 01:53

Tgt Ion: 117 Resp: 433236

Ion Ratio Lower Upper

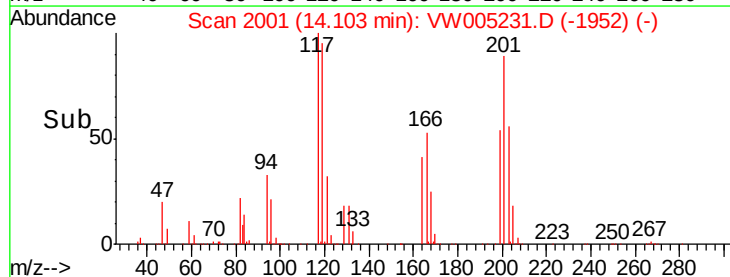
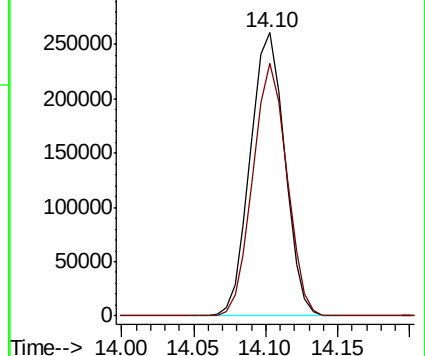
117 100

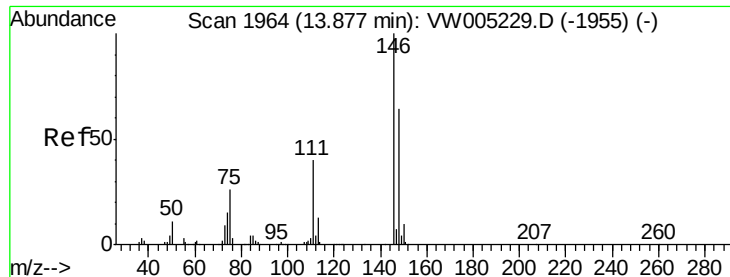
201 87.7 44.8 134.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 105.126 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

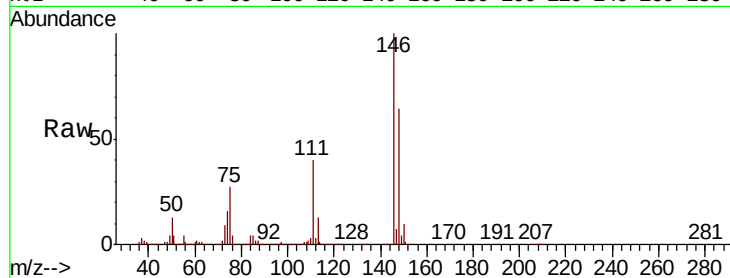
Tgt Ion:146 Resp: 1225063

Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

148 64.1 32.0 96.2

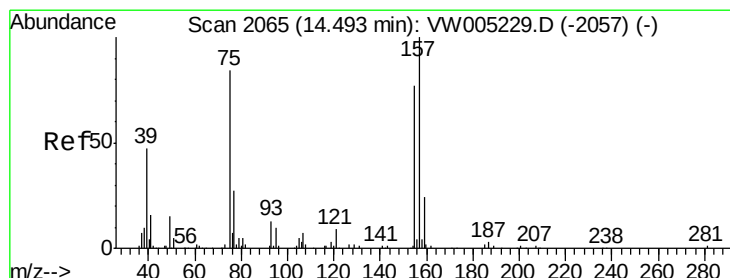
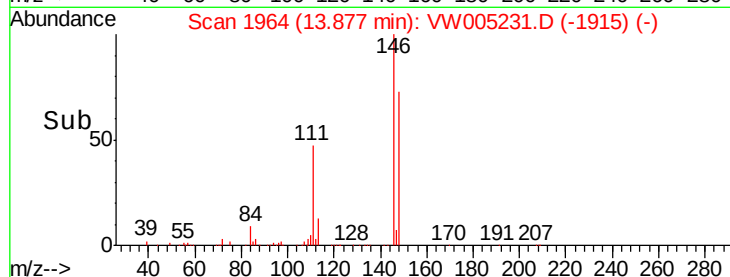
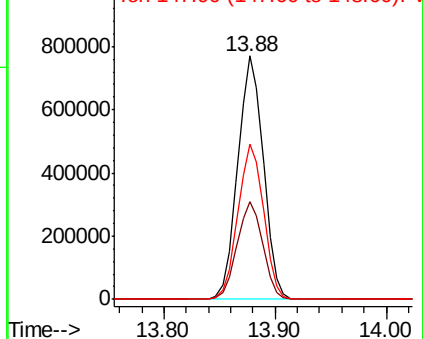


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 120.532 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

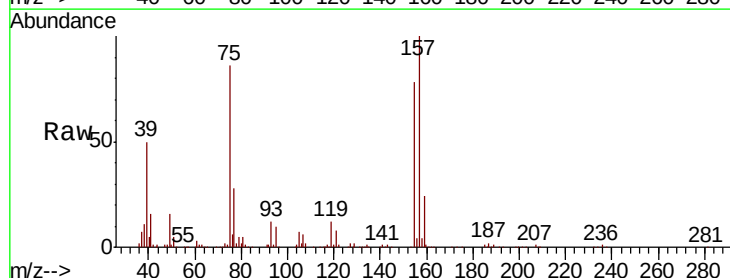
Tgt Ion: 75 Resp: 77885

Ion Ratio Lower Upper

75 100

155 91.8 45.6 136.9

157 117.7 59.6 178.7

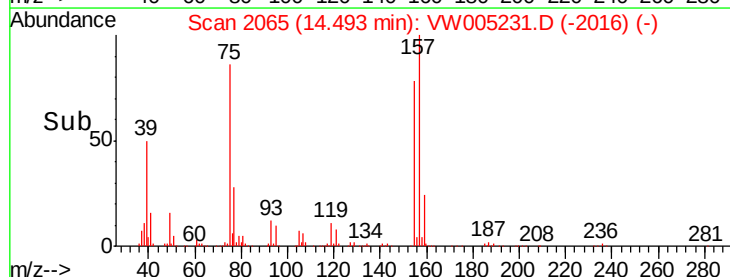
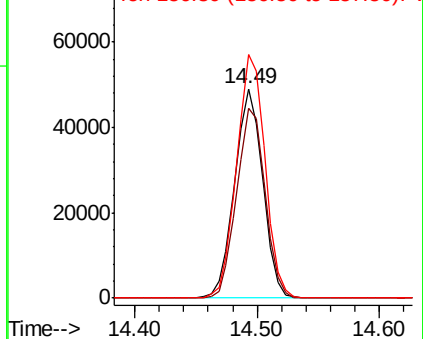


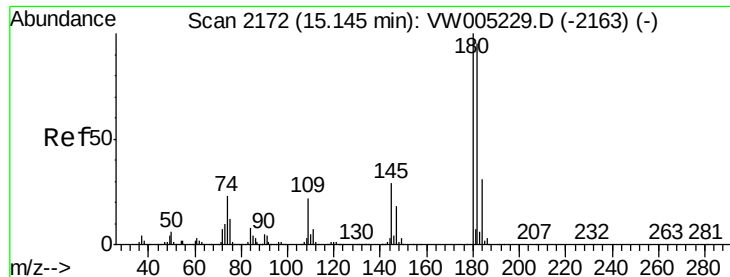
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

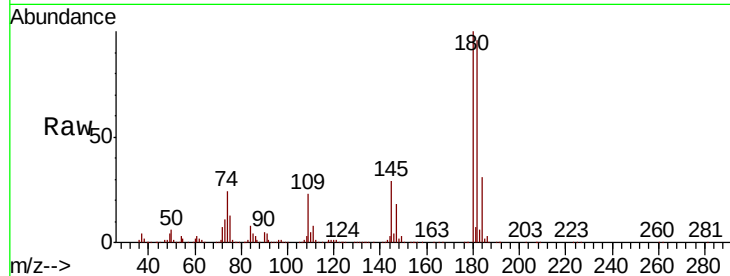




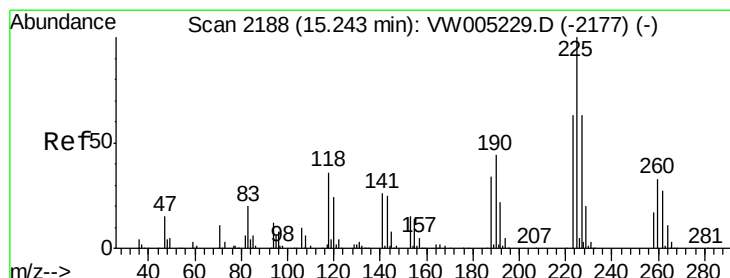
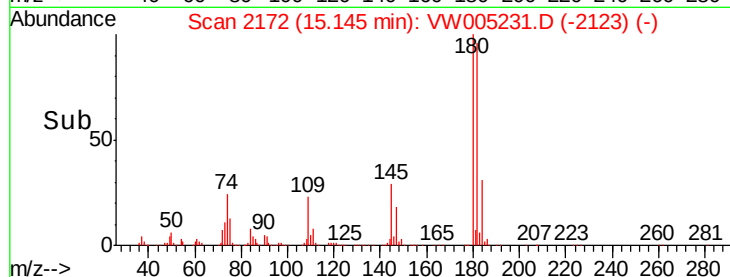
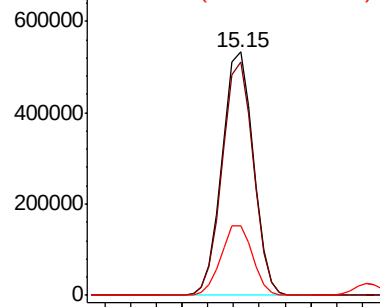
#93
 1,2,4-Trichlorobenzene
 Concen: 114.904 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 894119
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 29.1 14.5 43.6

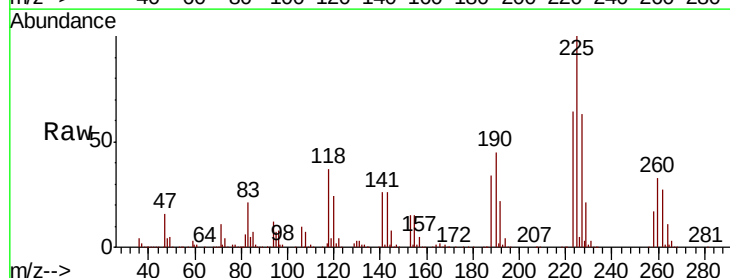


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

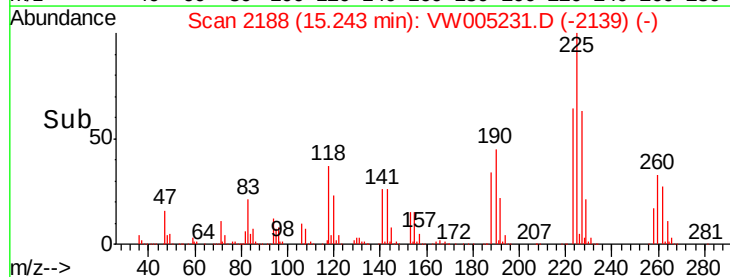
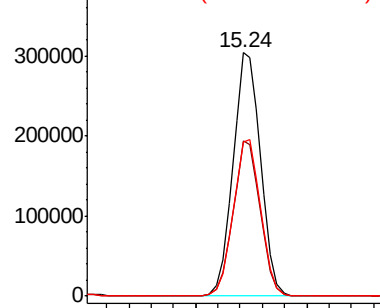


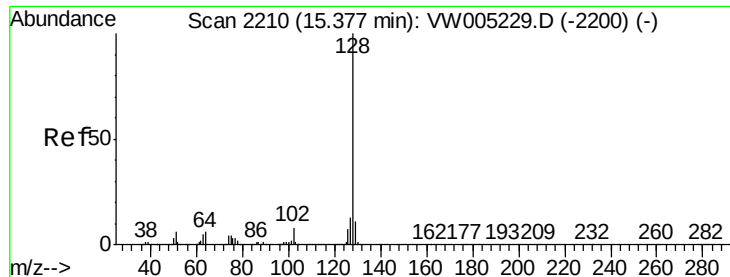
#94
 Hexachlorobutadiene
 Concen: 107.426 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion:225 Resp: 523083
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.2
 227 64.1 31.9 95.9



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

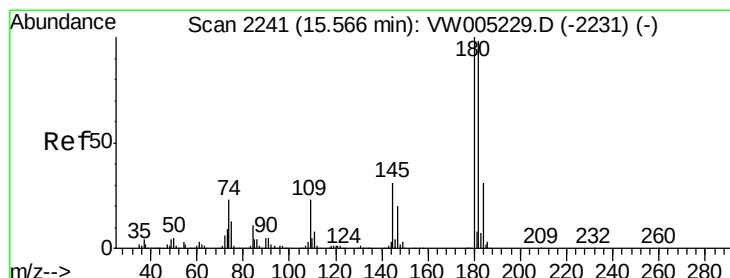
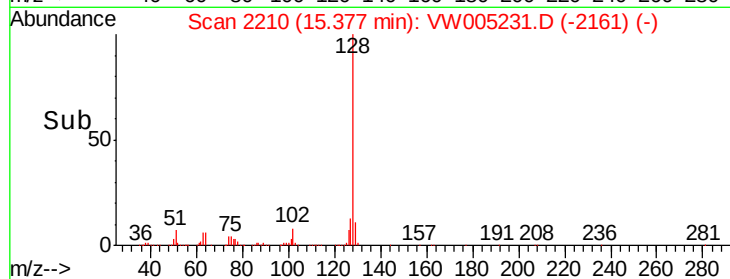
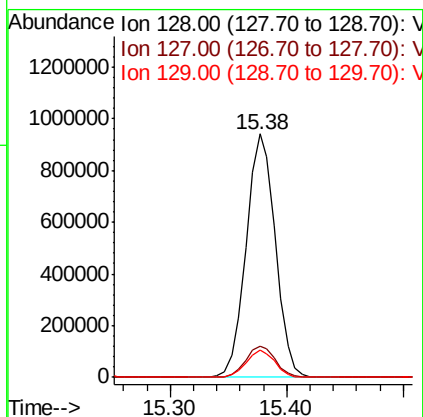
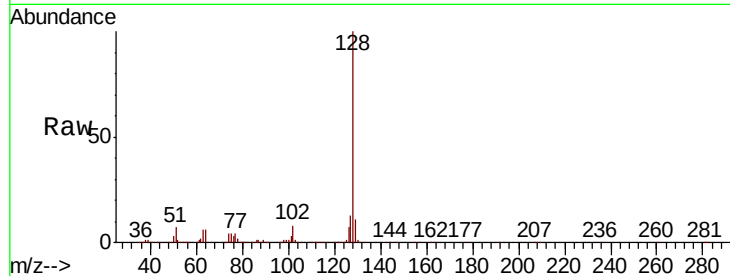




#95
Naphthalene
Concen: 133.238 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1644168
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 117.257 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:180 Resp: 784059
Ion Ratio Lower Upper
180 100
182 95.5 48.3 144.9
145 30.6 15.3 45.9

