

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005244.D
 Acq On : 10 Sep 2018 16:14
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 11 02:49:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:46:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	508731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	722067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	733179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	401762	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	385143	101.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.00%	
35) Dibromofluoromethane	7.89	113	400488	105.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.76%	
50) Toluene-d8	10.33	98	2065729	108.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.16%	
62) 4-Bromofluorobenzene	12.63	95	743596	106.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	391598	89.234 ug/l	99
3) Chloromethane	2.22	50	546961	93.225 ug/l	100
4) Vinyl Chloride	2.36	62	507972	94.310 ug/l	98
5) Bromomethane	2.75	94	313331	85.498 ug/l	99
6) Chloroethane	2.91	64	282014	95.051 ug/l	100
7) Trichlorofluoromethane	3.26	101	575682	94.481 ug/l	98
8) Diethyl Ether	3.69	74	215454	99.220 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	406485	93.398 ug/l	99
10) Methyl Iodide	4.28	142	559407	116.728 ug/l	100
11) Tert butyl alcohol	5.17	59	157065	504.751 ug/l	100
12) 1,1-Dichloroethene	4.04	96	398536	99.452 ug/l	98
13) Acrolein	3.90	56	152338	506.810 ug/l	100
14) Allyl chloride	4.68	41	627526	101.914 ug/l	99
15) Acrylonitrile	5.38	53	510764	521.357 ug/l	99
16) Acetone	4.13	43	361536	513.322 ug/l	98
17) Carbon Disulfide	4.38	76	1437304	102.182 ug/l	99
18) Methyl Acetate	4.68	43	219066	104.196 ug/l	99
19) Methyl tert-butyl Ether	5.43	73	980083	102.684 ug/l	99
20) Methylene Chloride	4.92	84	511453	85.676 ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	465004	99.383 ug/l	98
22) Diisopropyl ether	6.32	45	1282745	103.478 ug/l	98
23) Vinyl Acetate	6.26	43	3598578	520.904 ug/l	100
24) 1,1-Dichloroethane	6.23	63	759454	99.526 ug/l	99
25) 2-Butanone	7.18	43	562783	506.582 ug/l	96
26) 2,2-Dichloropropane	7.18	77	613086	92.668 ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	499038	99.658 ug/l	99
28) Bromochloromethane	7.52	49	278639	98.982 ug/l	# 100
29) Tetrahydrofuran	7.54	42	390212	521.213 ug/l	99
30) Chloroform	7.68	83	750149	97.959 ug/l	99
31) Cyclohexane	7.96	56	754828	92.966 ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	655354	94.730 ug/l	99
36) 1,1-Dichloropropene	8.09	75	645542	97.583 ug/l	100
37) Ethyl Acetate	7.26	43	254167	101.011 ug/l	100
38) Carbon Tetrachloride	8.08	117	591665	95.478 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	902150	102.712	ug/l	99
40) Benzene	8.33	78	1940708	99.577	ug/l	98
41) Methacrylonitrile	7.49	41	140873	109.125	ug/l	97
42) 1,2-Dichloroethane	8.41	62	453608	97.287	ug/l	99
43) Isopropyl Acetate	8.43	43	482699	103.304	ug/l	98
44) Trichloroethene	9.10	130	525746	98.331	ug/l	100
45) 1,2-Dichloropropane	9.38	63	464508	99.157	ug/l	99
46) Dibromomethane	9.46	93	228769	99.767	ug/l	98
47) Bromodichloromethane	9.65	83	552829	98.555	ug/l	100
48) Methyl methacrylate	9.44	41	270771	111.603	ug/l	99
49) 1,4-Dioxane	9.45	88	87091	2034.274	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	1439085	547.282	ug/l	100
52) Toluene	10.40	92	1447088	102.161	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	654500	107.966	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	758441	104.476	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	367918	100.630	ug/l	99
56) Ethyl methacrylate	10.65	69	524590	113.177	ug/l	99
57) 1,3-Dichloropropane	10.94	76	627864	103.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1113134	552.531	ug/l	99
59) 2-Hexanone	10.98	43	1041006	549.148	ug/l	100
60) Dibromochloromethane	11.13	129	429364	105.835	ug/l	99
61) 1,2-Dibromoethane	11.24	107	346074	103.219	ug/l	99
64) Tetrachloroethene	10.87	164	534202	98.207	ug/l	99
65) Chlorobenzene	11.66	112	1580668	98.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	480166	100.127	ug/l	99
67) Ethyl Benzene	11.74	91	2852754	101.992	ug/l	100
68) m/p-Xylenes	11.85	106	2278045	202.109	ug/l	98
69) o-Xylene	12.18	106	1077243	102.726	ug/l	99
70) Styrene	12.19	104	1786727	104.418	ug/l	100
71) Bromoform	12.35	173	272435	104.776	ug/l #	99
73) Isopropylbenzene	12.47	105	2895335	101.997	ug/l	100
74) N-amyl acetate	12.28	43	588461	108.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	429754	100.737	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	585224	112.148	ug/l #	100
77) Bromobenzene	12.76	156	666120	99.606	ug/l	98
78) n-propylbenzene	12.81	91	3432816	100.691	ug/l	99
79) 2-Chlorotoluene	12.90	91	1951939	99.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	2487260	102.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	142681	108.285	ug/l	99
82) 4-Chlorotoluene	13.00	91	2048608	99.691	ug/l	100
83) tert-Butylbenzene	13.21	119	2153535	101.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2528461	104.095	ug/l	98
85) sec-Butylbenzene	13.40	105	3087490	101.621	ug/l	99
86) p-Isopropyltoluene	13.51	119	2760348	102.631	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1371130	97.643	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1333870	96.712	ug/l	100
89) n-Butylbenzene	13.83	91	2684036	106.157	ug/l	98
90) Hexachloroethane	14.10	117	443685	102.964	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	1224857	99.238	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	73129	103.082	ug/l	98

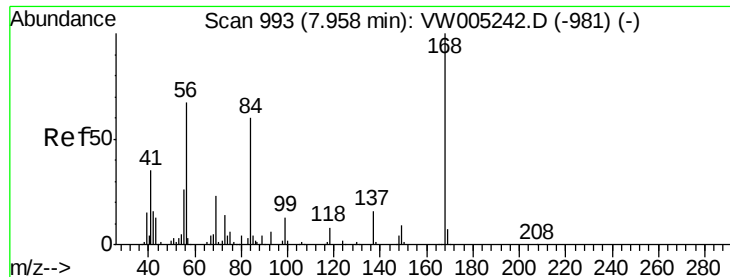
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	909037	104.119	ug/l	99
94) Hexachlorobutadiene	15.25	225	550682	98.497	ug/l	100
95) Naphthalene	15.38	128	1587186	112.125	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	779312	103.735	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

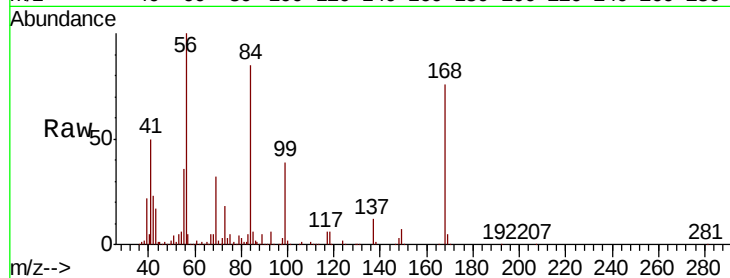
VSTDIC100

Tgt Ion:168 Resp: 508731

Ion Ratio Lower Upper

168 100

99 51.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

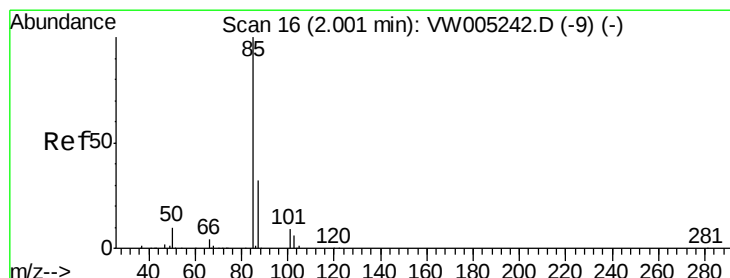
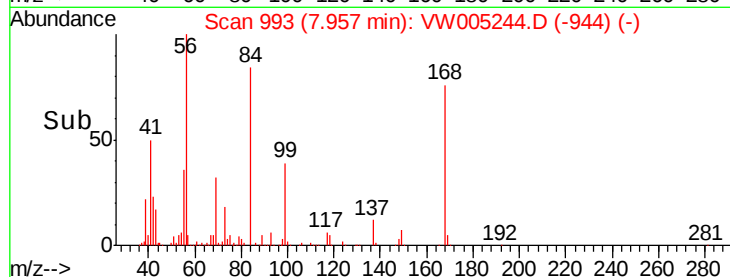
100000

50000

0

7.80 8.00 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 89.234 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005244.D

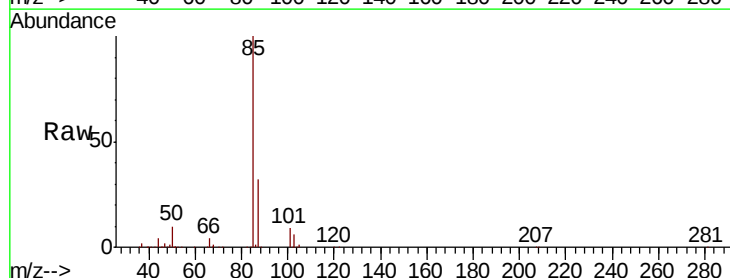
Acq: 10 Sep 2018 16:14

Tgt Ion: 85 Resp: 391598

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



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

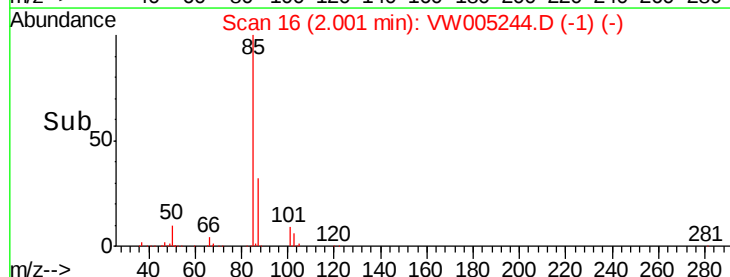
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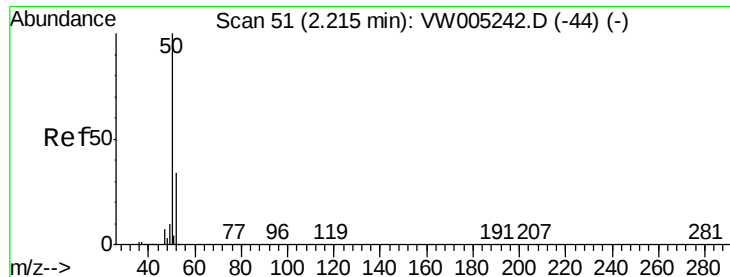
50000

0

1.90 2.00 2.10

Time-->

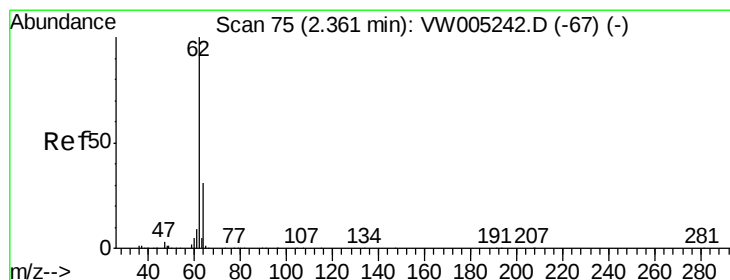
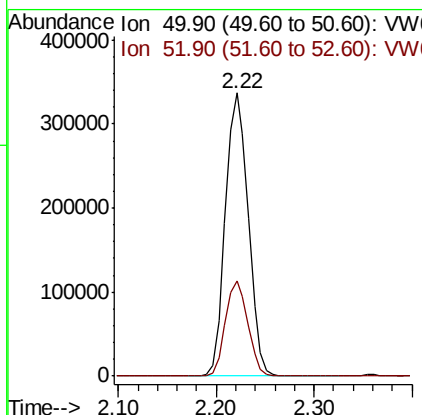
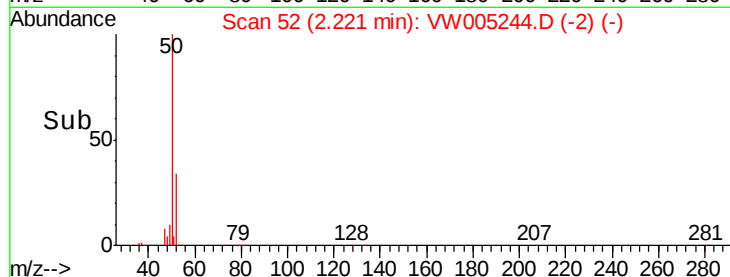
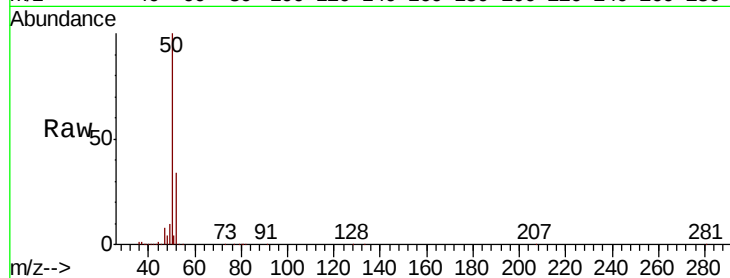




#3
Chloromethane
Concen: 93.225 ug/l
RT: 2.22 min Scan# 52
Delta R.T. 0.01 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

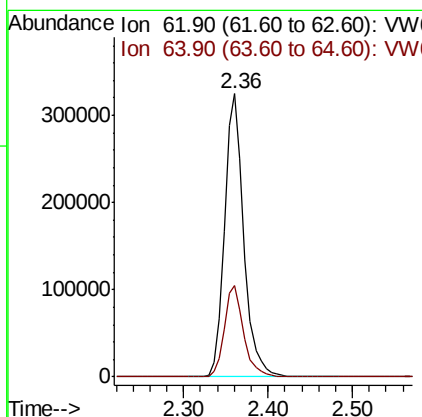
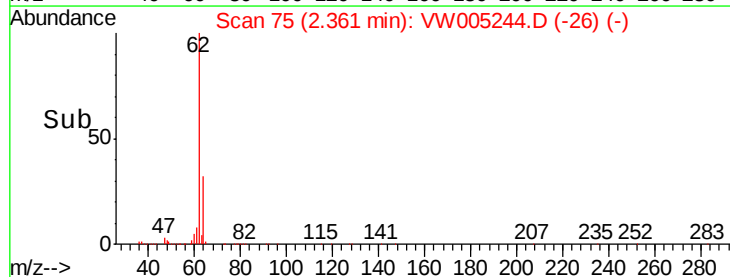
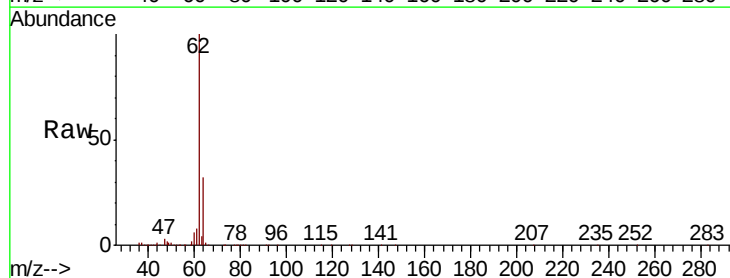
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

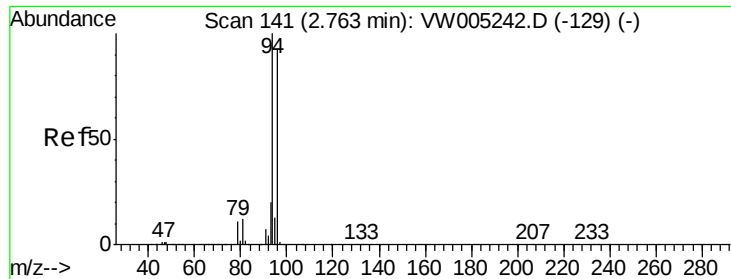
Tgt Ion: 50 Resp: 546961
Ion Ratio Lower Upper
50 100
52 33.5 27.0 40.4



#4
Vinyl Chloride
Concen: 94.310 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 62 Resp: 507972
Ion Ratio Lower Upper
62 100
64 32.2 24.6 37.0





#5

Bromomethane

Concen: 85.498 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

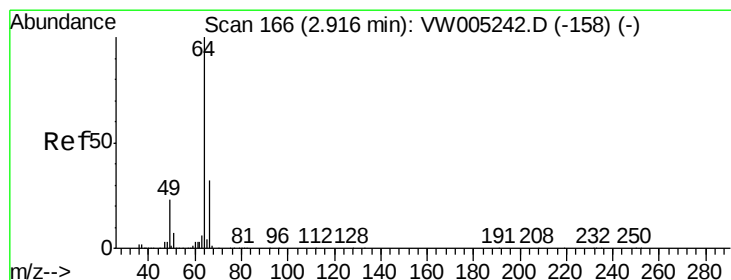
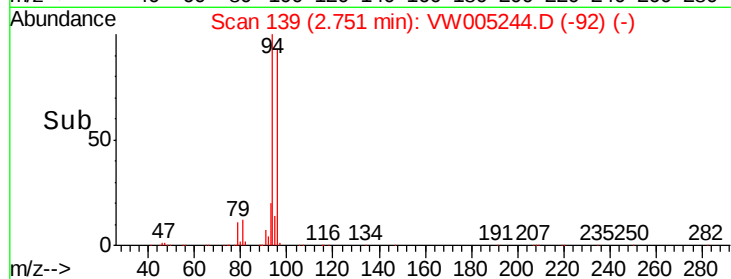
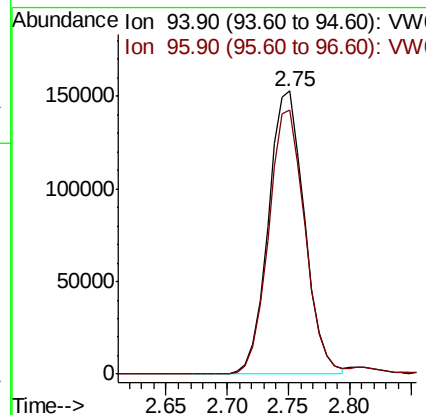
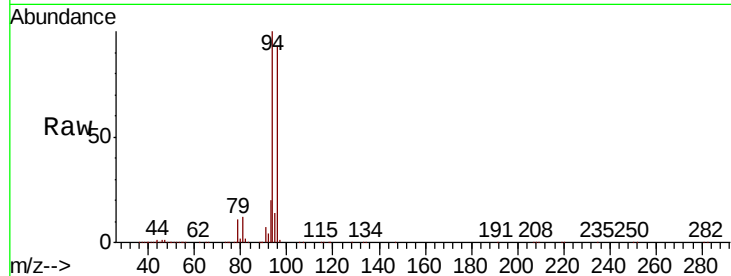
VSTDIC100

Tgt Ion: 94 Resp: 313331

Ion Ratio Lower Upper

94 100

96 93.2 74.1 111.1



#6

Chloroethane

Concen: 95.051 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005244.D

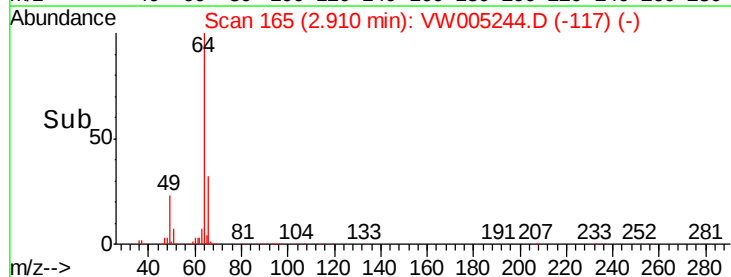
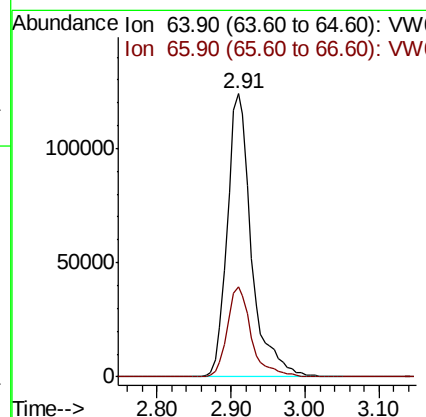
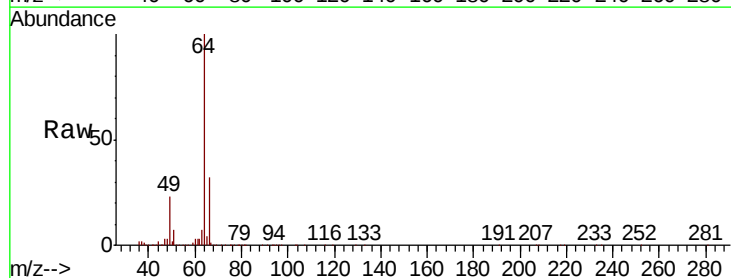
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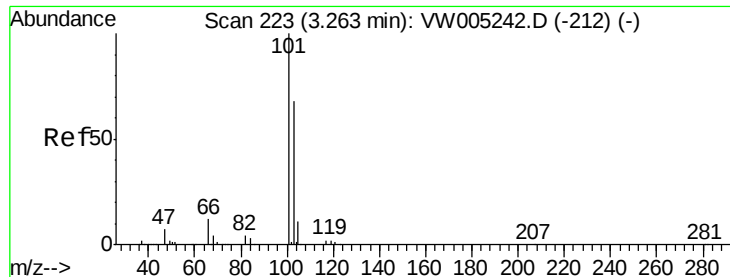
Tgt Ion: 64 Resp: 282014

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



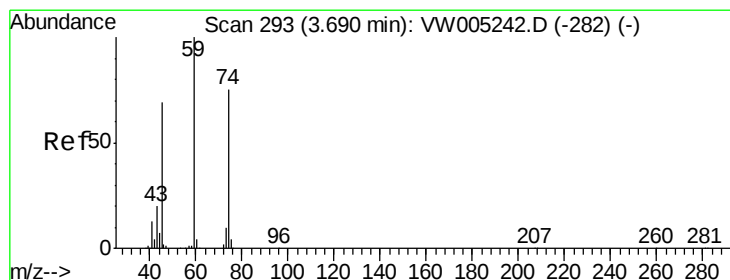
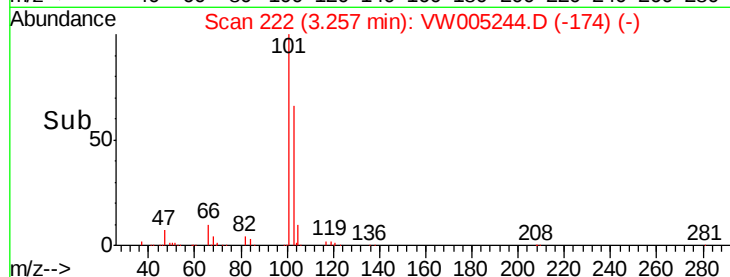
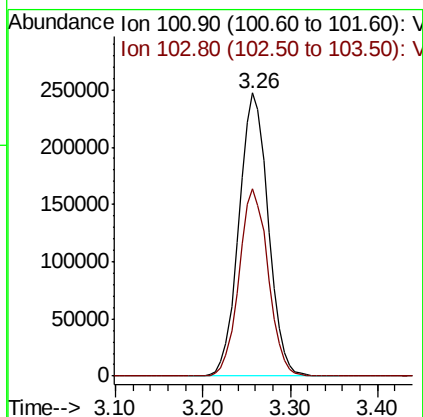
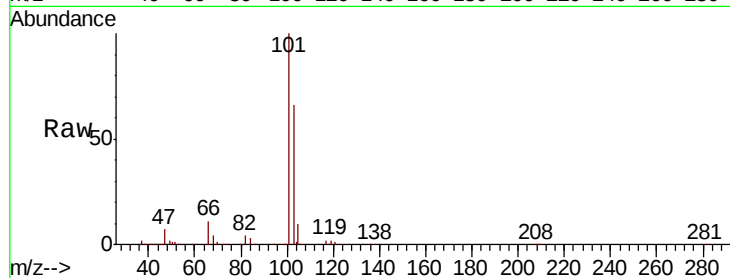


#7

Trichlorofluoromethane
 Concen: 94.481 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW005244.D
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 VSTDIC100

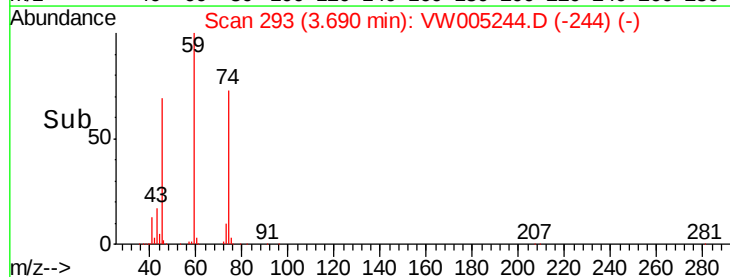
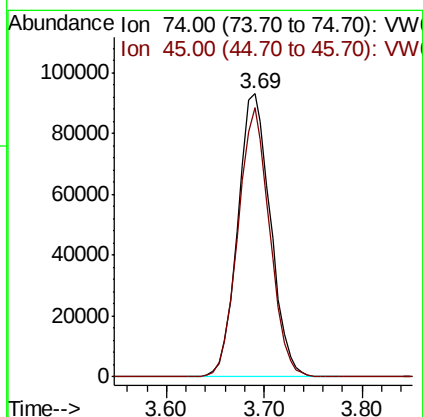
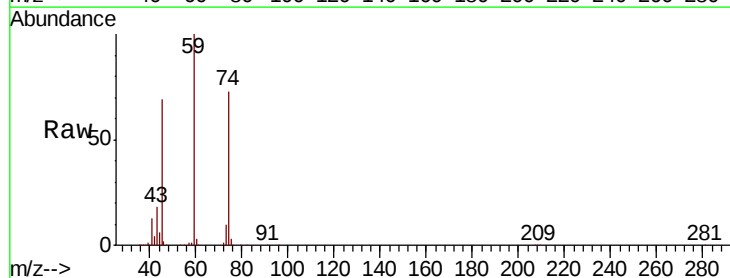
Tgt Ion: 101 Resp: 575682
 Ion Ratio Lower Upper
 101 100
 103 66.3 54.1 81.1

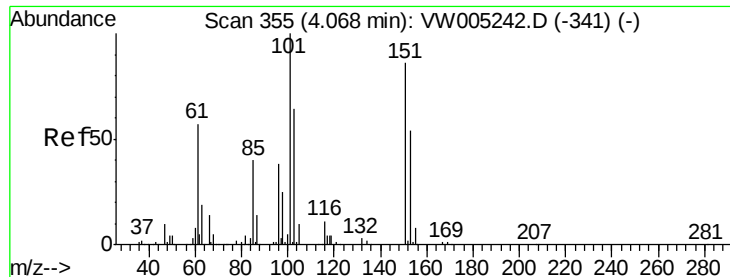


#8

Diethyl Ether
 Concen: 99.220 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion: 74 Resp: 215454
 Ion Ratio Lower Upper
 74 100
 45 92.0 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.398 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

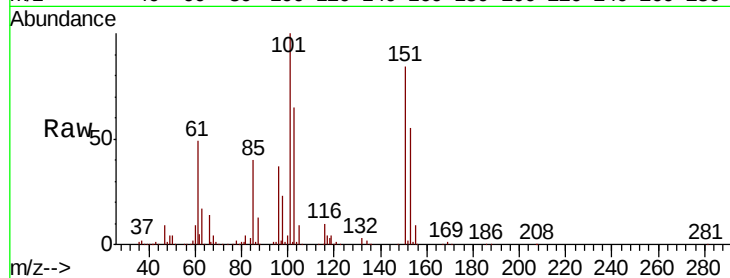
Tgt Ion:101 Resp: 406485

Ion Ratio Lower Upper

101 100

85 41.9 32.7 49.1

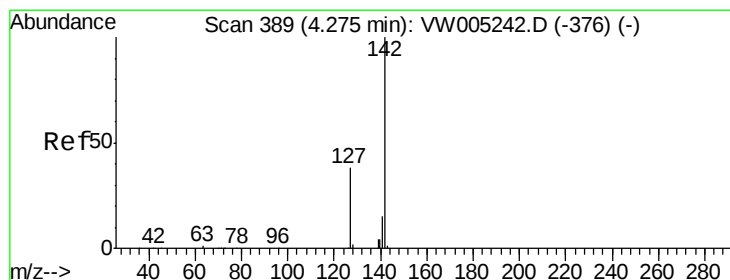
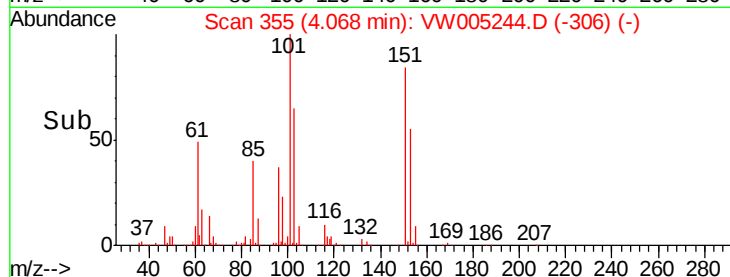
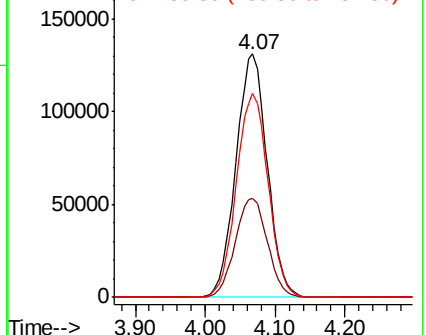
151 85.1 67.6 101.4



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: 116.728 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

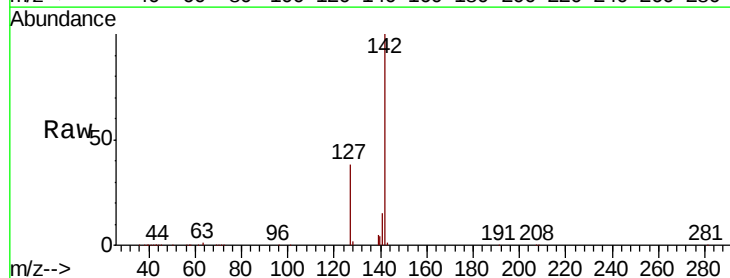
Tgt Ion:142 Resp: 559407

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

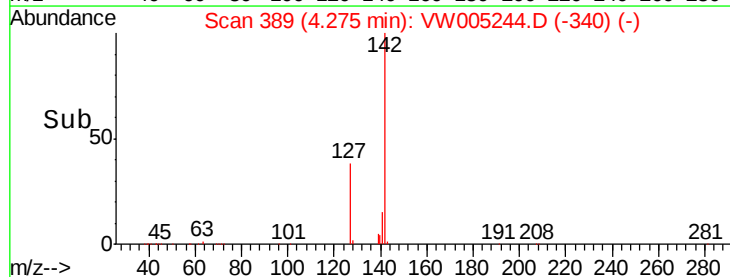
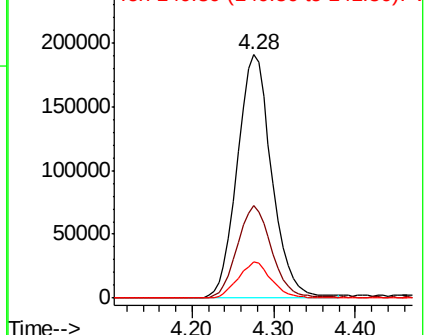
141 14.5 11.4 17.0

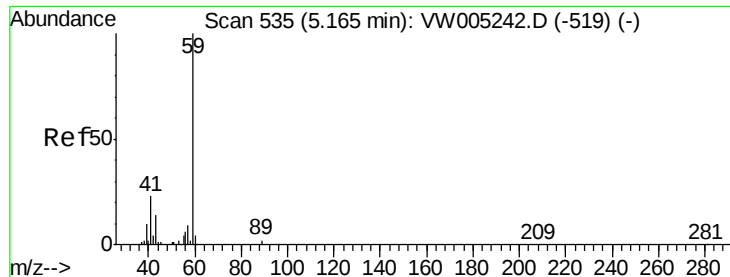


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

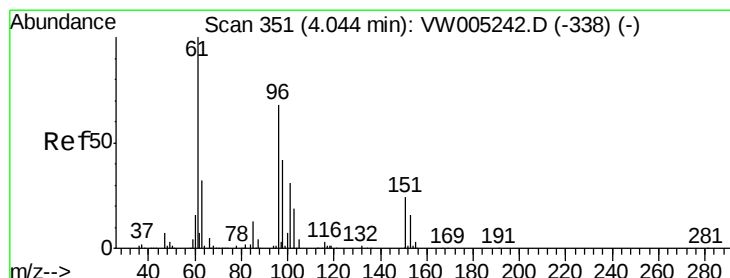
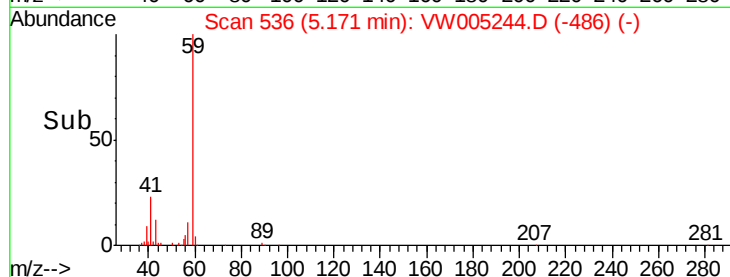
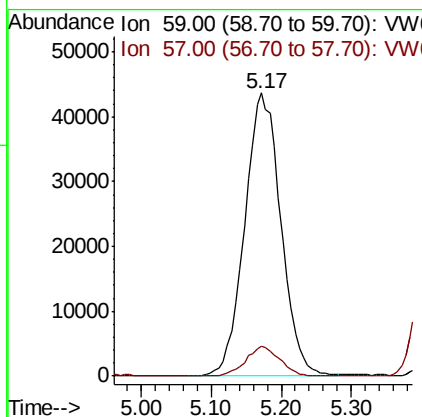
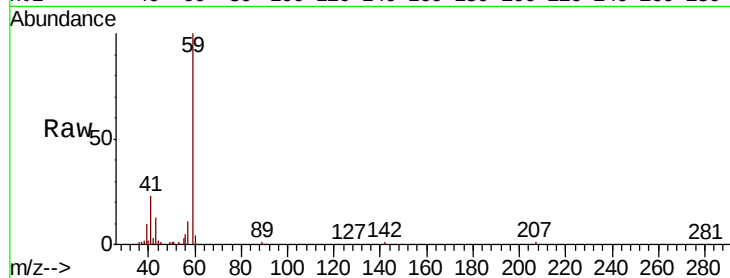




#11
Tert butyl alcohol
Concen: 504.751 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

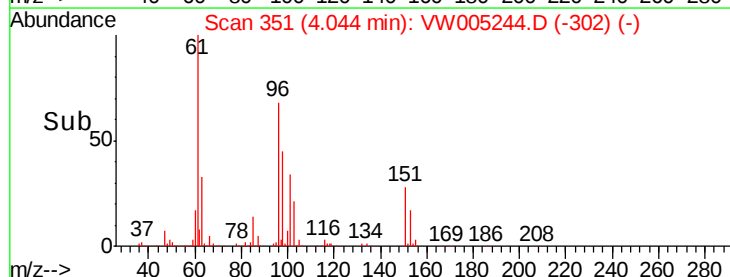
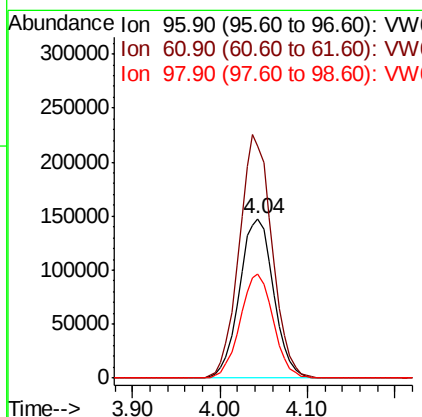
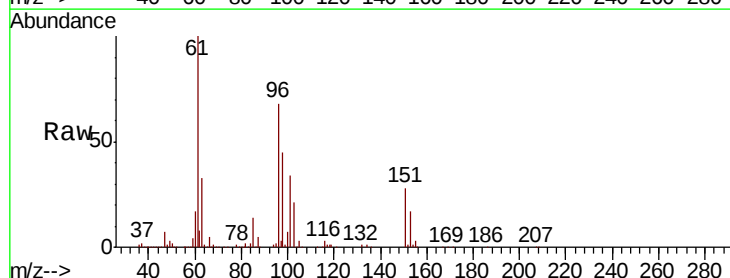
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

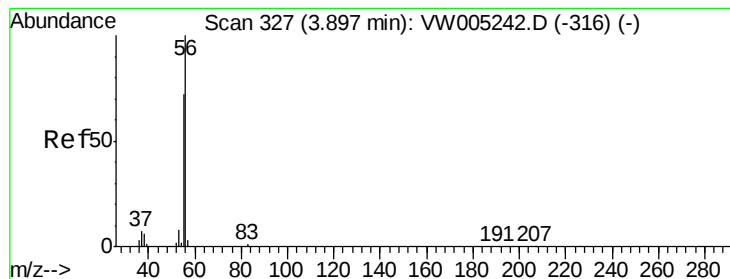
Tgt Ion: 59 Resp: 157065
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 99.452 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 96 Resp: 398536
Ion Ratio Lower Upper
96 100
61 146.0 118.2 177.2
98 65.7 49.9 74.9





#13

Acrolein

Concen: 506.810 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

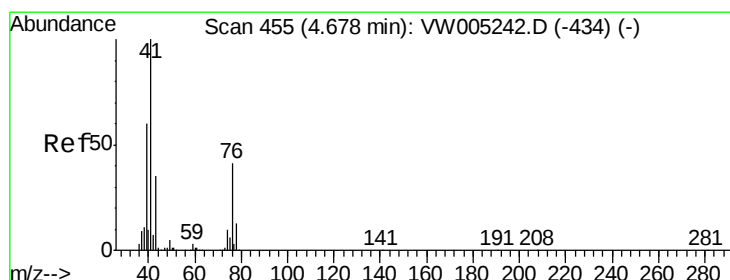
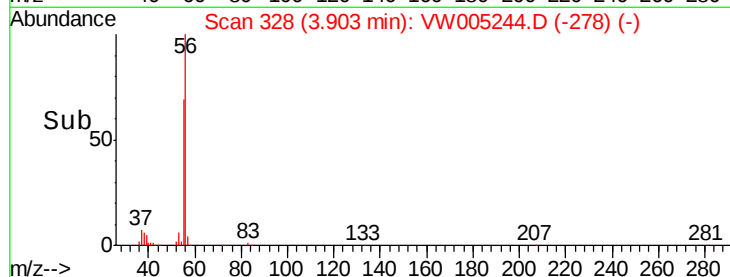
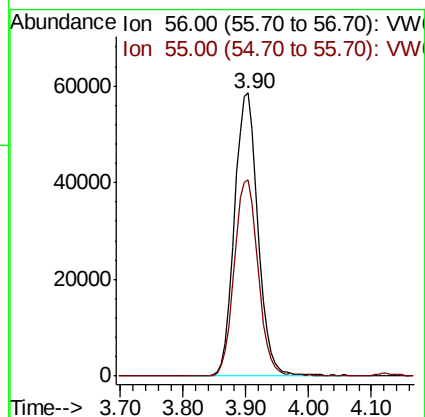
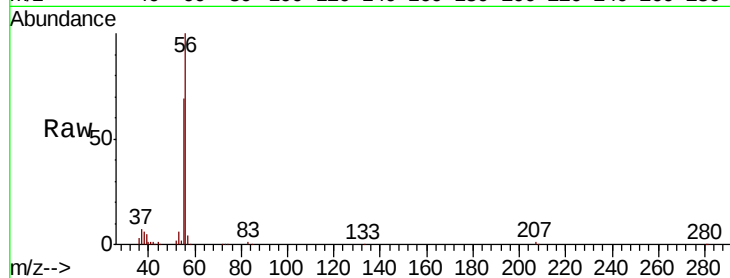
VSTDIC100

Tgt Ion: 56 Resp: 152338

Ion Ratio Lower Upper

56 100

55 70.6 56.8 85.2



#14

Allyl chloride

Concen: 101.914 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

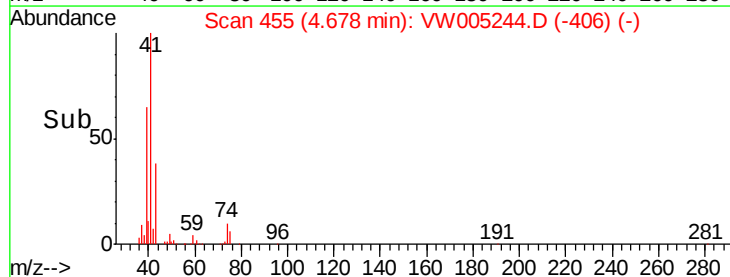
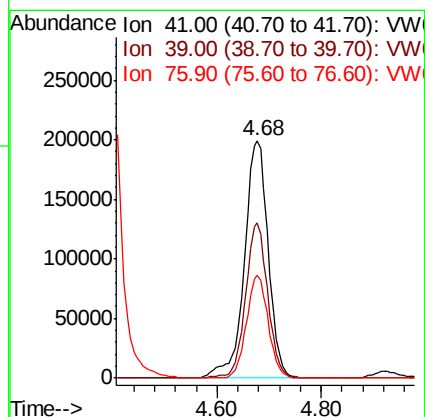
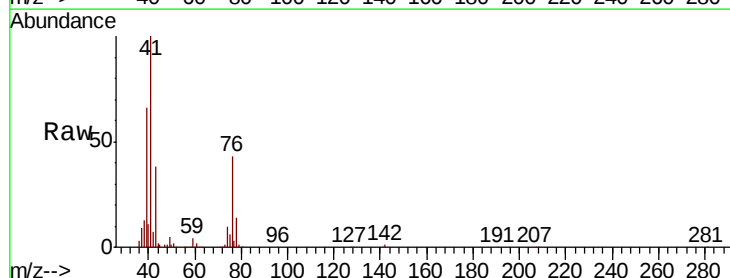
Tgt Ion: 41 Resp: 627526

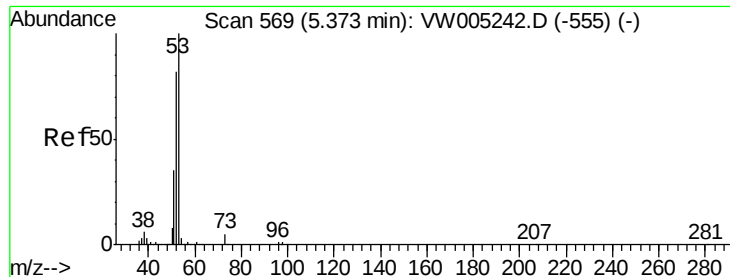
Ion Ratio Lower Upper

41 100

39 60.7 48.2 72.4

76 39.3 31.7 47.5





#15

Acrylonitrile

Concen: 521.357 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

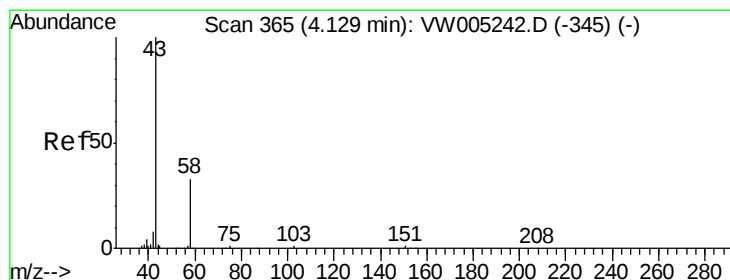
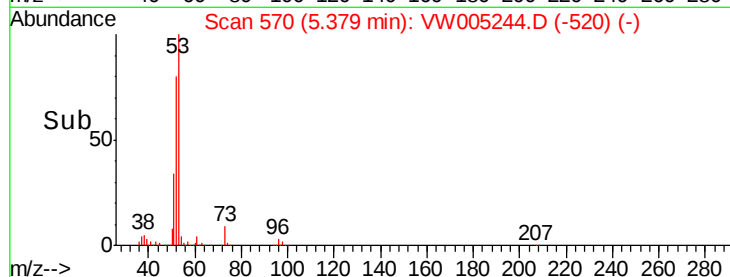
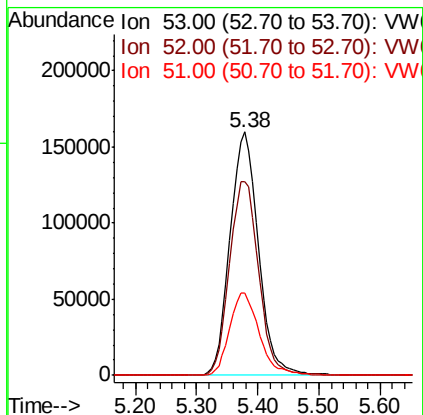
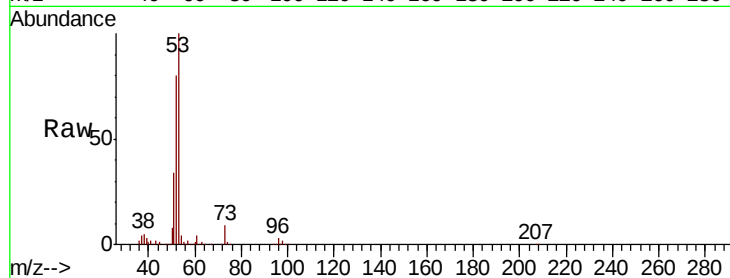
Tgt Ion: 53 Resp: 510764

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

51 35.4 28.6 43.0



#16

Acetone

Concen: 513.322 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005244.D

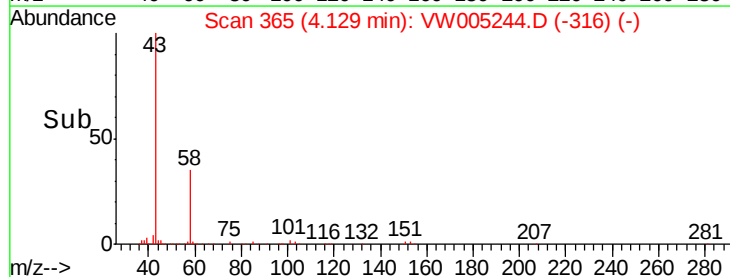
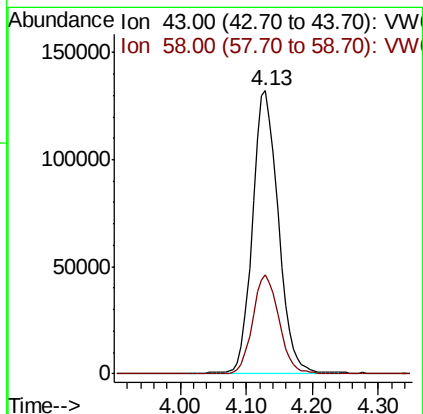
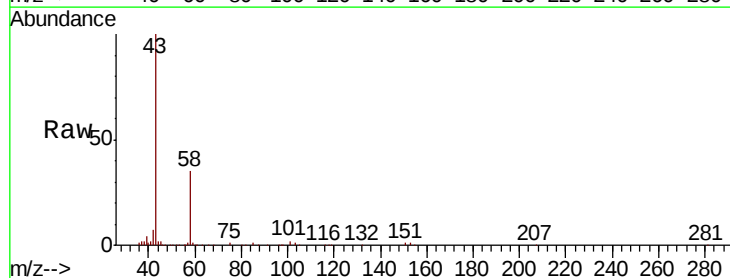
Acq: 10 Sep 2018 16:14

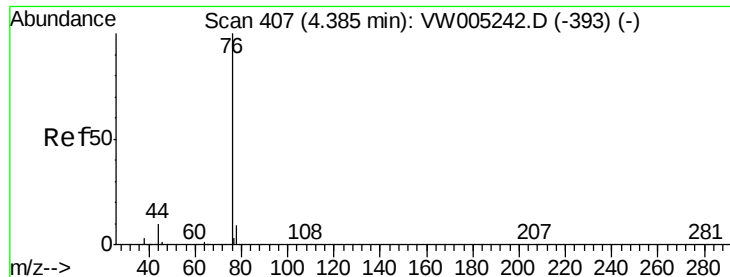
Tgt Ion: 43 Resp: 361536

Ion Ratio Lower Upper

43 100

58 34.8 26.7 40.1





#17

Carbon Disulfide

Concen: 102.182 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

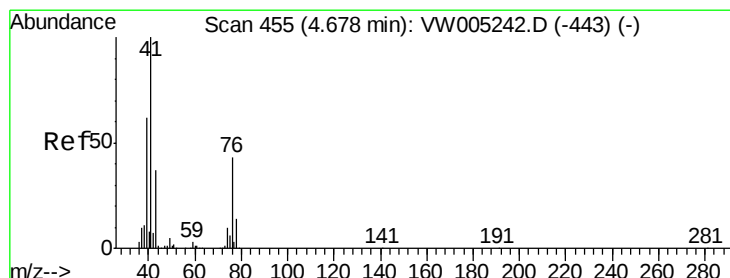
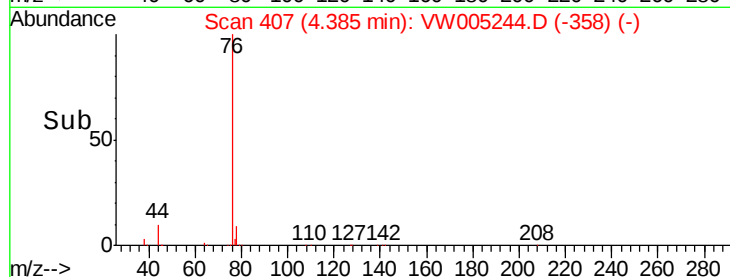
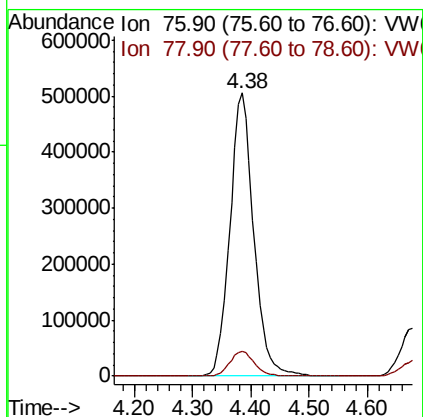
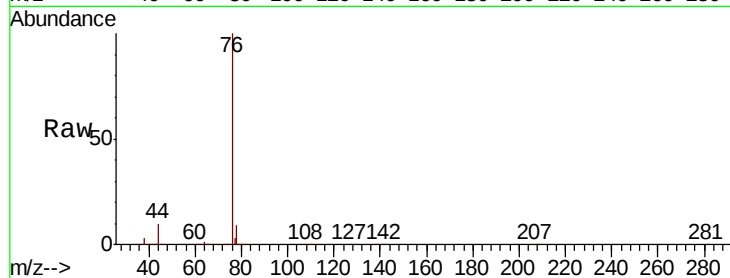
VSTDIC100

Tgt Ion: 76 Resp: 1437304

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



#18

Methyl Acetate

Concen: 104.196 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005244.D

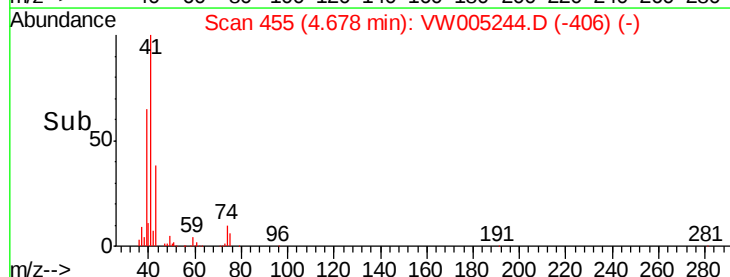
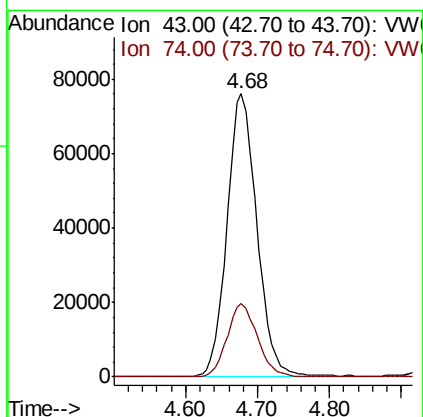
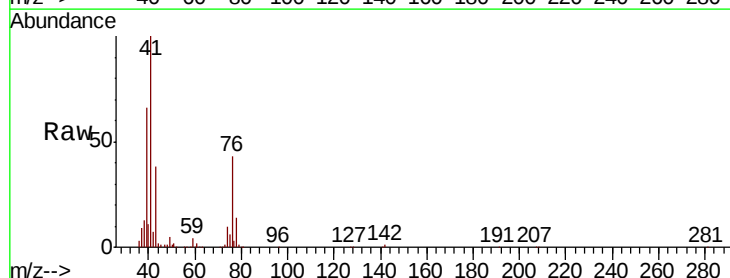
Acq: 10 Sep 2018 16:14

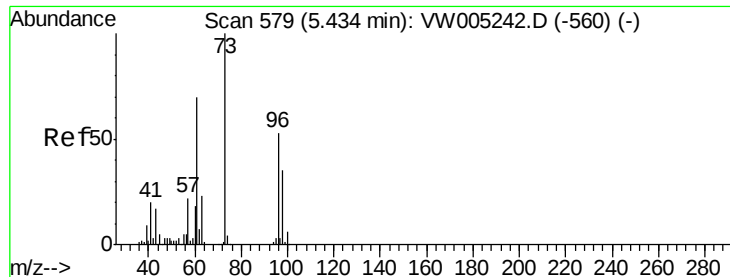
Tgt Ion: 43 Resp: 219066

Ion Ratio Lower Upper

43 100

74 26.2 21.4 32.2





#19

Methyl tert-butyl Ether

Concen: 102.684 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

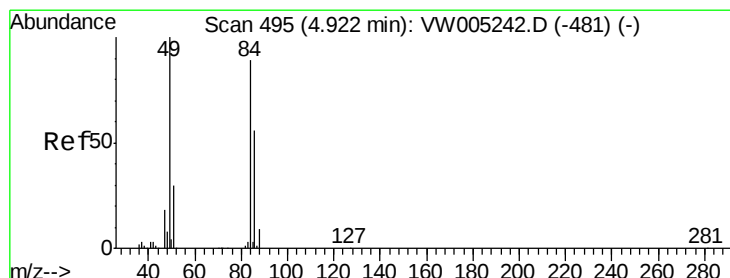
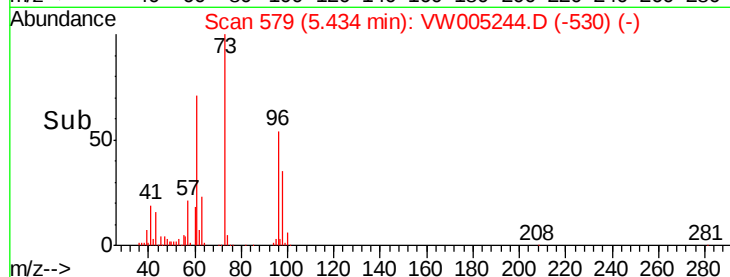
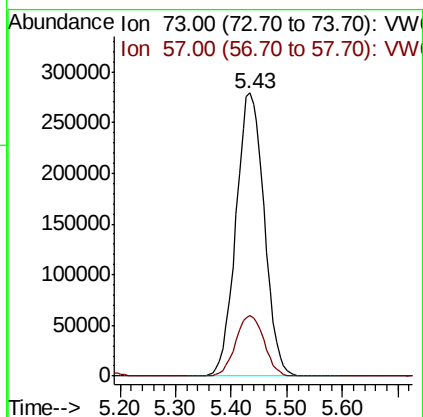
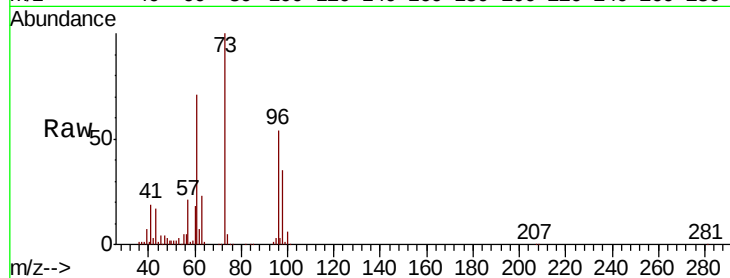
VSTDIC100

Tgt Ion: 73 Resp: 980083

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.2



#20

Methylene Chloride

Concen: 85.676 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Tgt Ion: 84 Resp: 511453

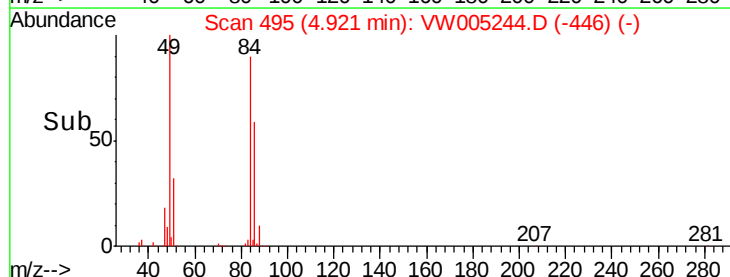
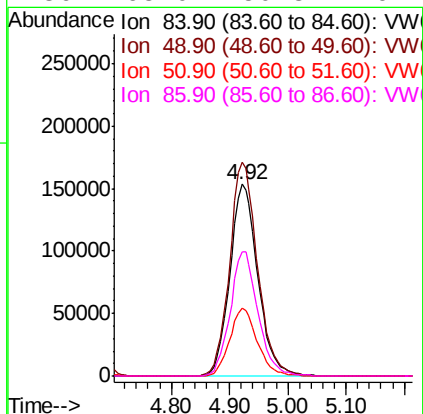
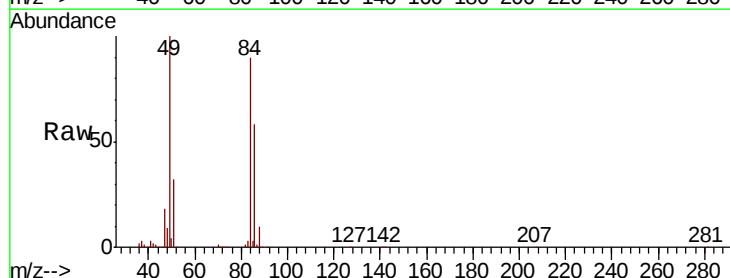
Ion Ratio Lower Upper

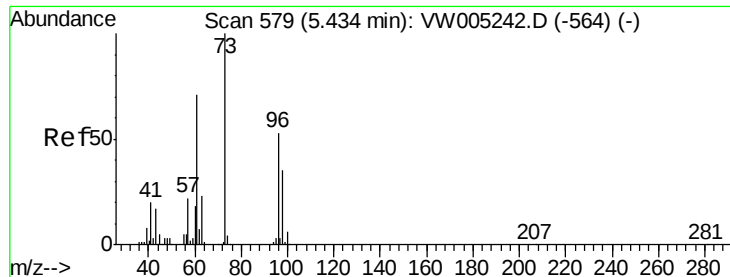
84 100

49 111.3 90.3 135.5

51 35.2 26.9 40.3

86 65.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 99.383 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

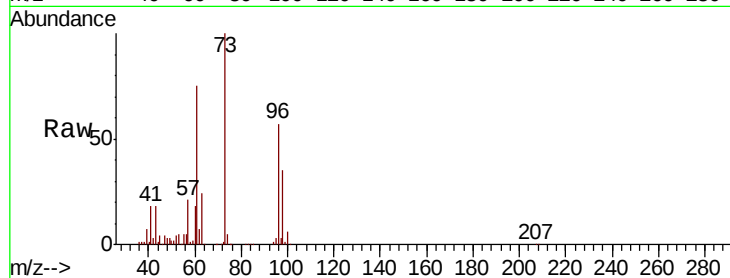
Tgt Ion: 96 Resp: 465004

Ion Ratio Lower Upper

96 100

61 132.2 105.7 158.5

98 62.1 52.8 79.2

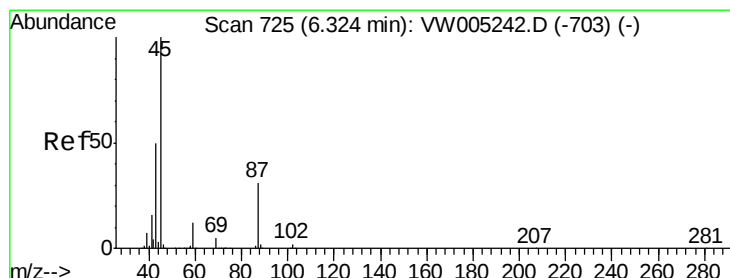
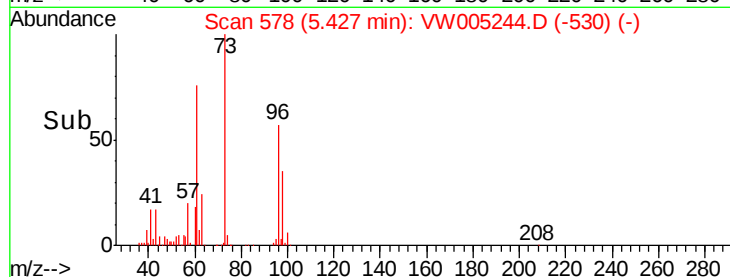
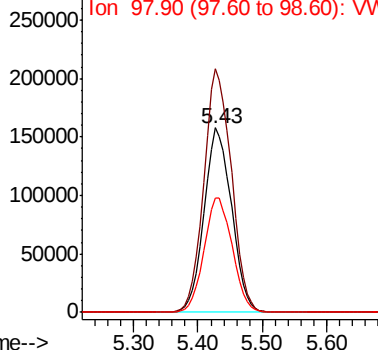


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 103.478 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Tgt Ion: 45 Resp: 1282745

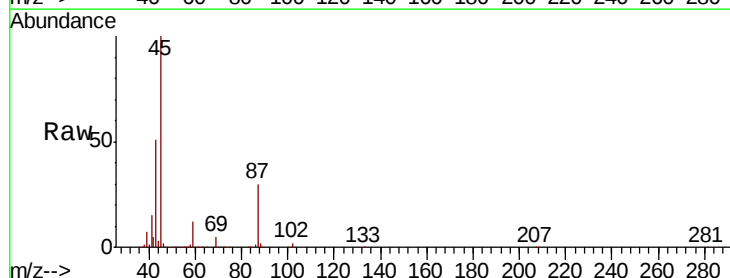
Ion Ratio Lower Upper

45 100

43 51.1 39.6 59.4

87 30.0 24.7 37.1

59 12.0 9.7 14.5



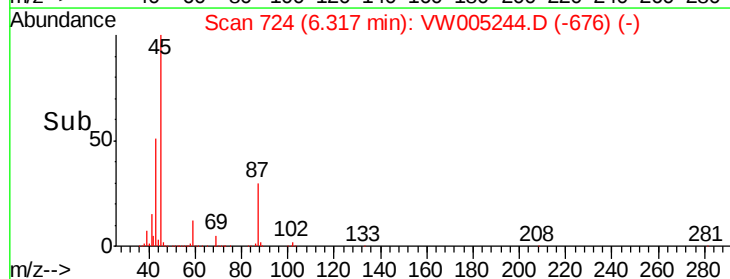
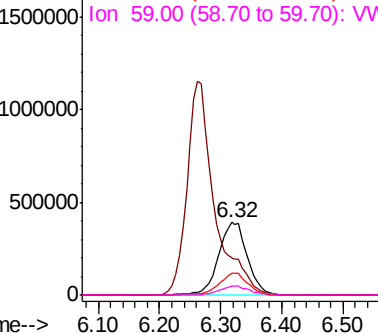
Abundance

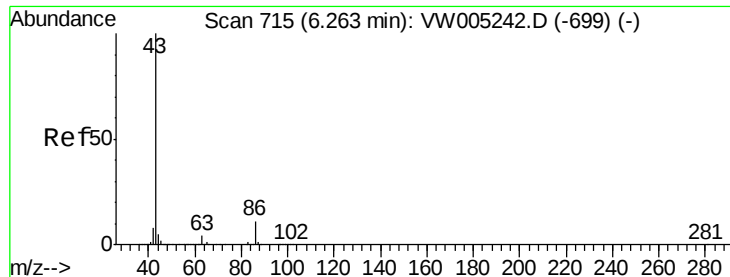
Ion 45.00 (44.70 to 45.70): VW

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: 520.904 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

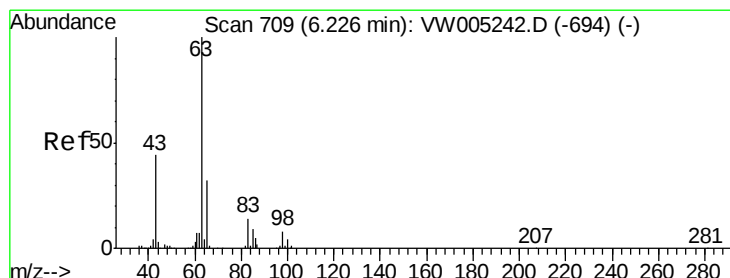
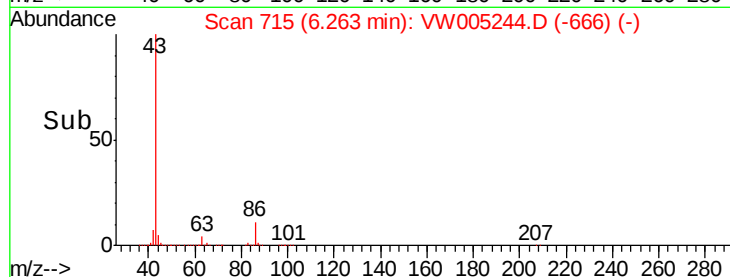
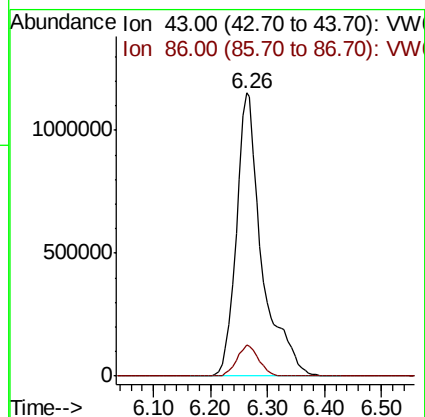
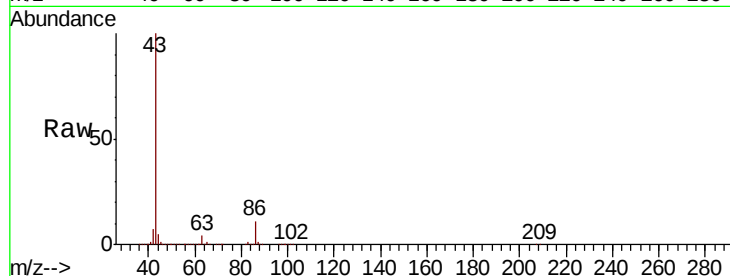
VSTDIC100

Tgt Ion: 43 Resp: 3598578

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



#24

1,1-Dichloroethane

Concen: 99.526 ug/l

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

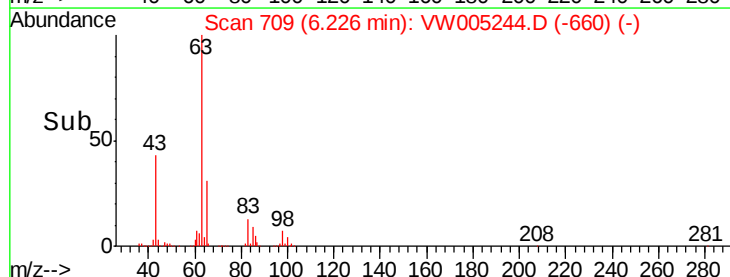
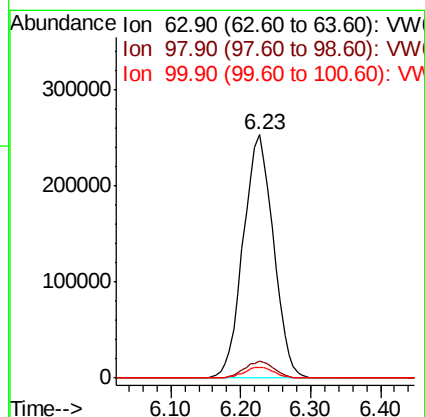
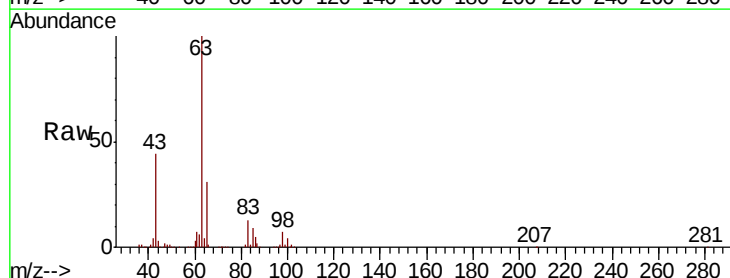
Tgt Ion: 63 Resp: 759454

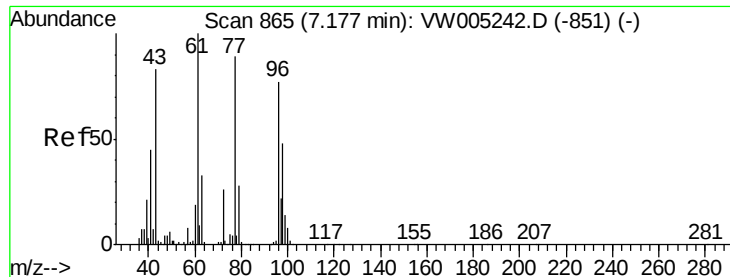
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 506.582 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

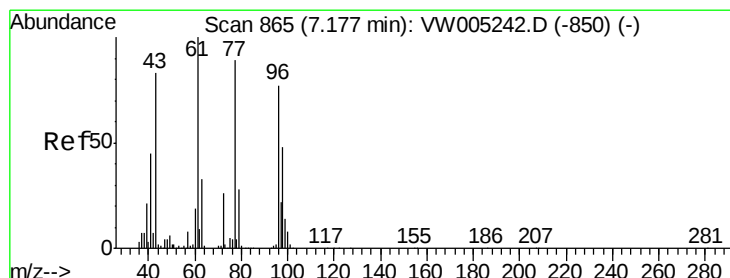
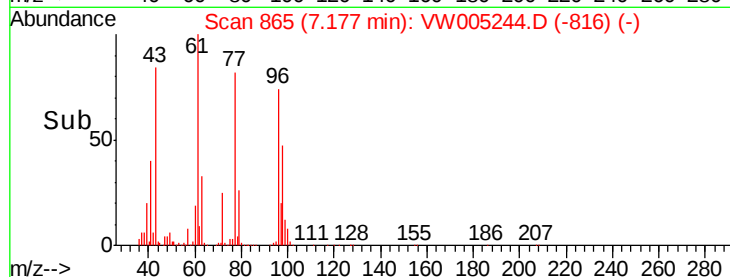
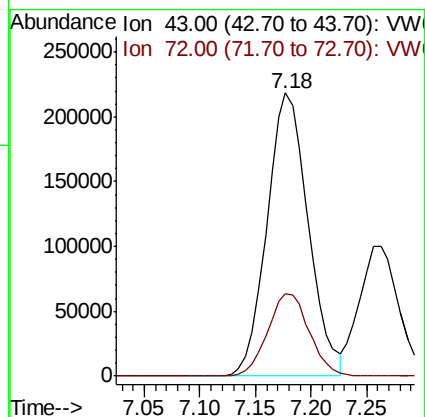
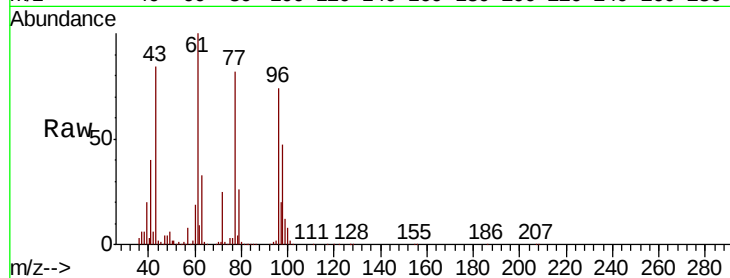
VSTDIC100

Tgt Ion: 43 Resp: 562783

Ion Ratio Lower Upper

43 100

72 29.1 25.0 37.6



#26

2,2-Dichloropropane

Concen: 92.668 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005244.D

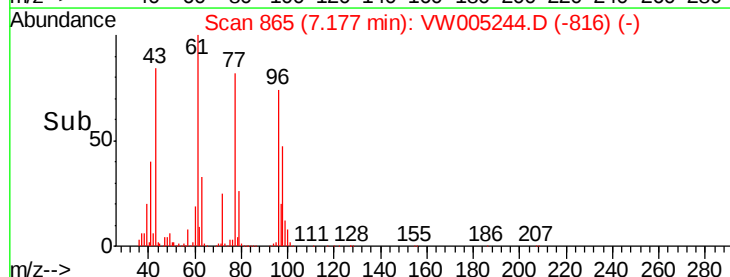
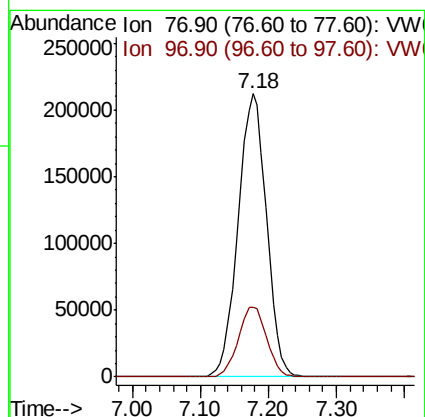
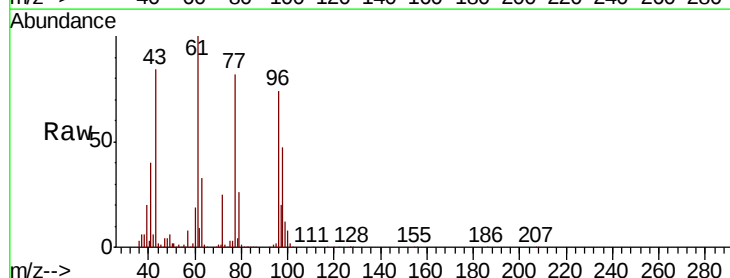
Acq: 10 Sep 2018 16:14

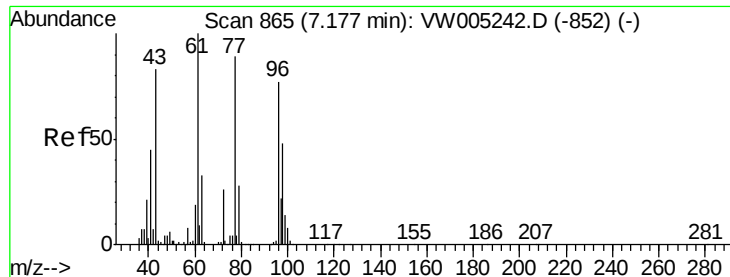
Tgt Ion: 77 Resp: 613086

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6



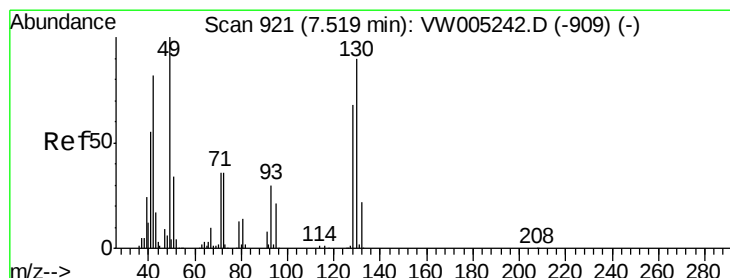
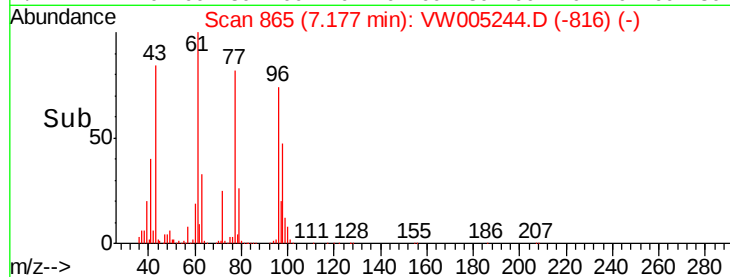
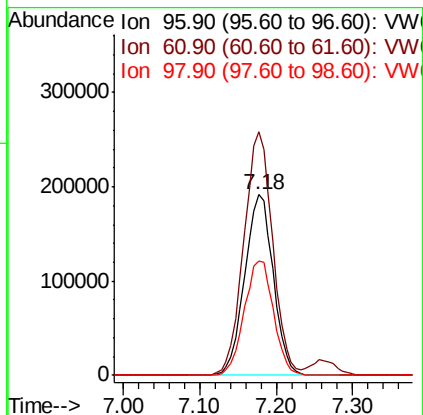
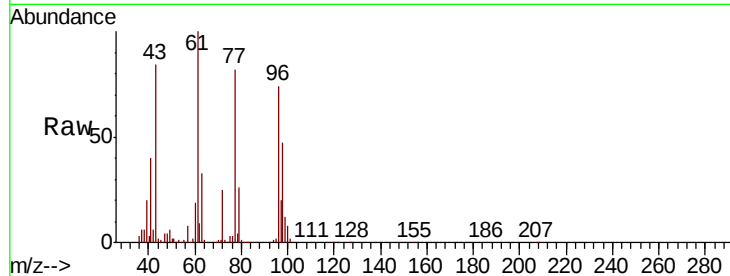


#27

cis-1,2-Dichloroethene
 Concen: 99.658 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

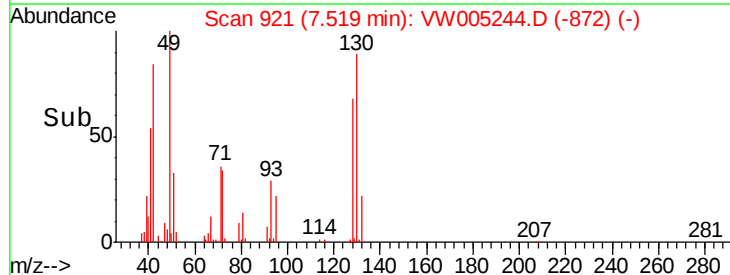
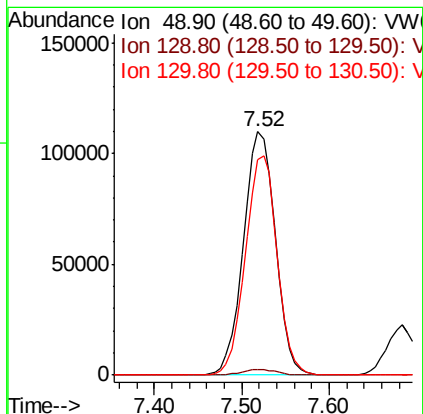
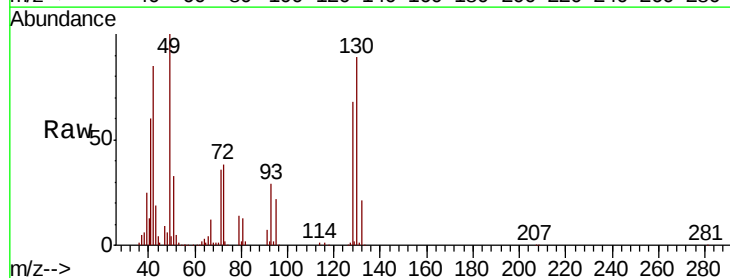
Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	273.4
98	64.8	0.0	127.8

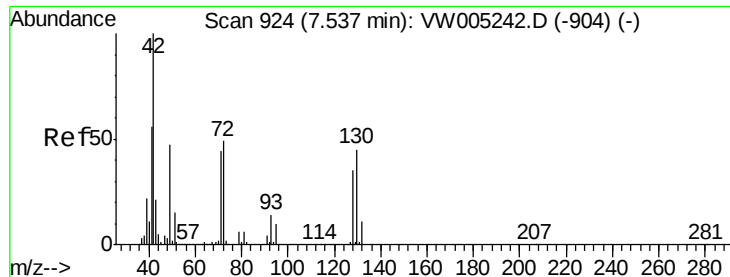


#28

Bromochloromethane
 Concen: 98.982 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.0#
130	89.2	71.2	106.8





#29

Tetrahydrofuran

Concen: 521.213 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

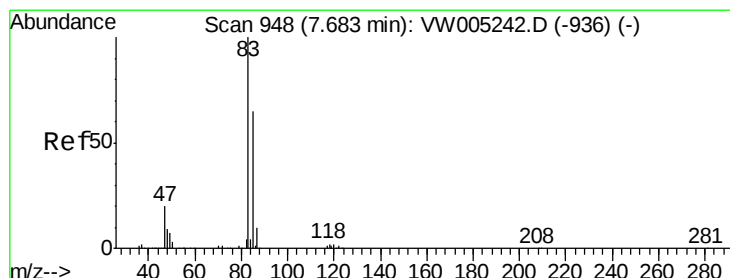
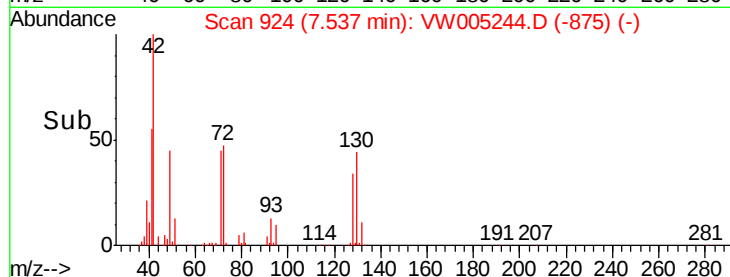
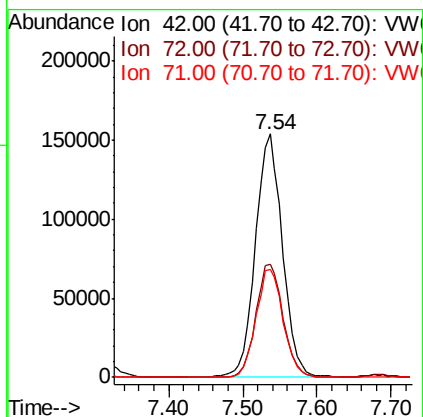
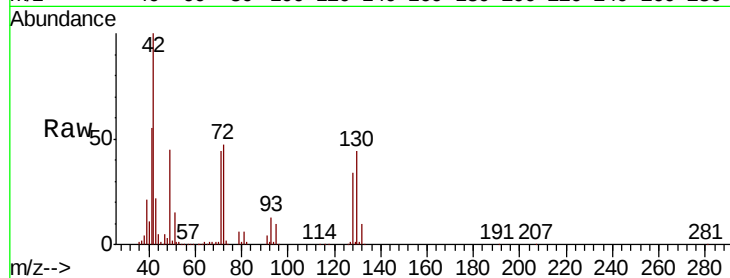
Tgt Ion: 42 Resp: 390212

Ion Ratio Lower Upper

42 100

72 46.9 37.5 56.3

71 44.6 34.8 52.2



#30

Chloroform

Concen: 97.959 ug/l

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW005244.D

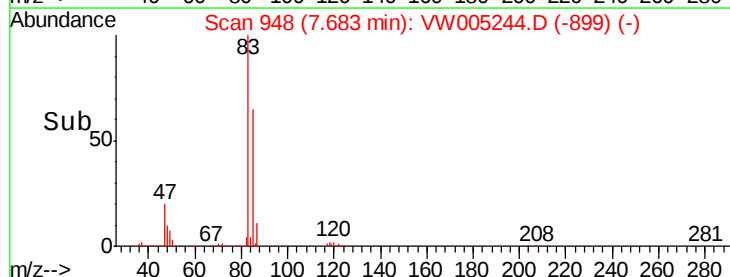
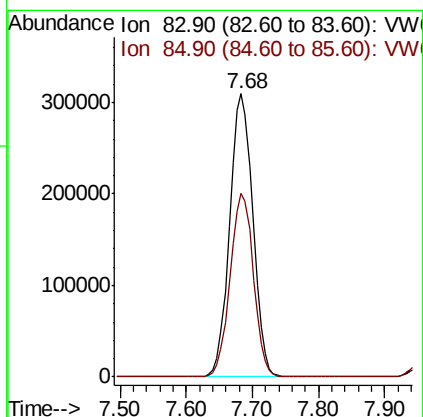
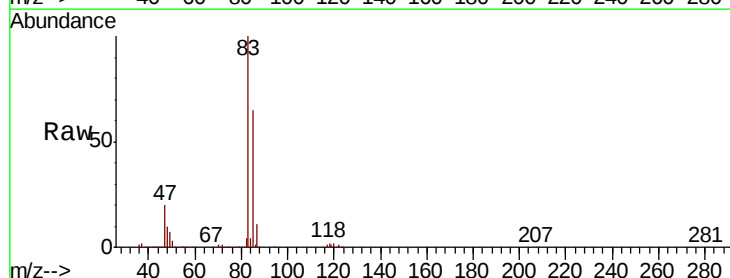
Acq: 10 Sep 2018 16:14

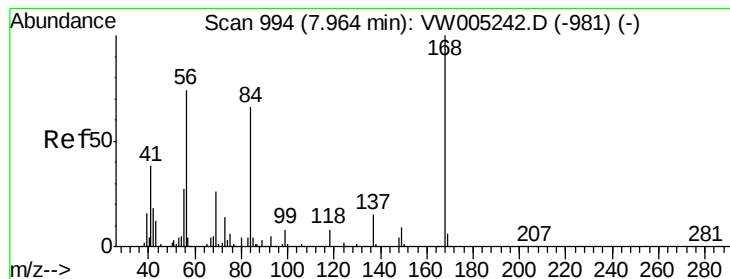
Tgt Ion: 83 Resp: 750149

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5





#31

Cyclohexane

Concen: 92.966 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

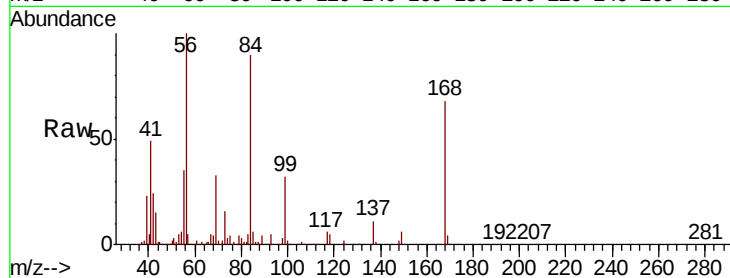
Tgt Ion: 56 Resp: 754828

Ion Ratio Lower Upper

56 100

69 33.3 27.8 41.8

84 88.3 72.1 108.1

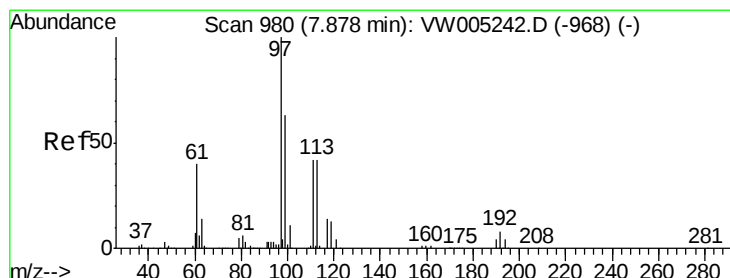
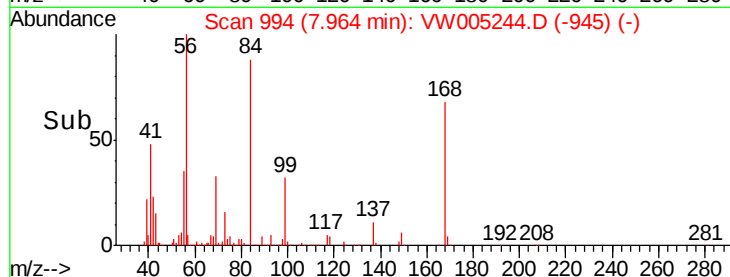
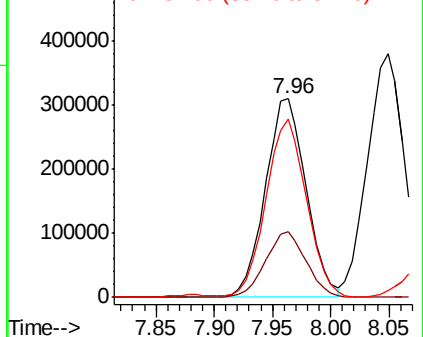


Abundance

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: 94.730 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

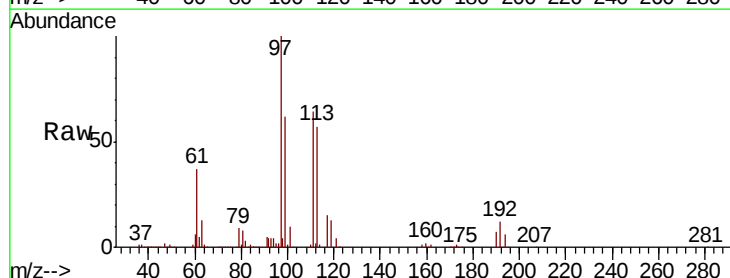
Tgt Ion: 97 Resp: 655354

Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 40.2 32.5 48.7

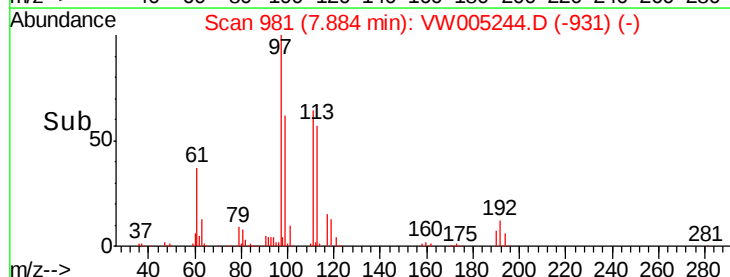
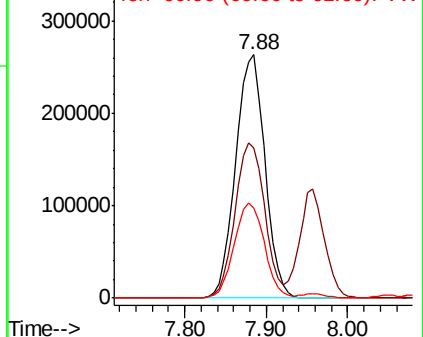


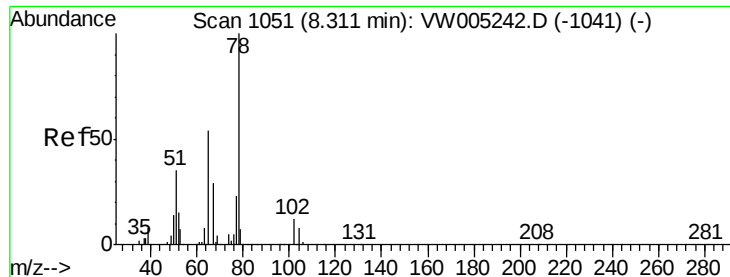
Abundance

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

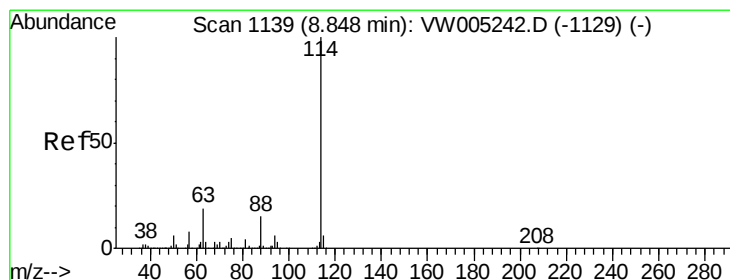
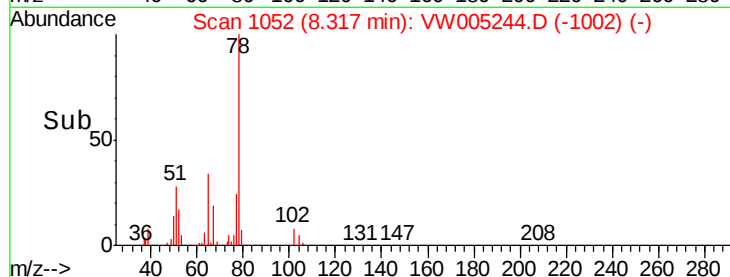
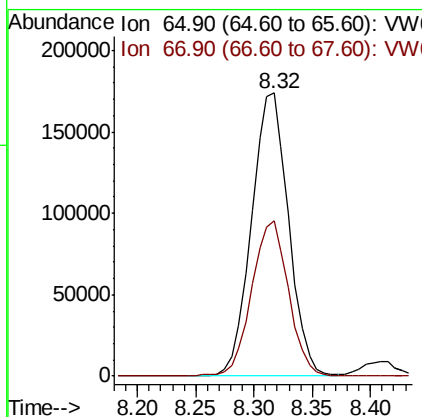
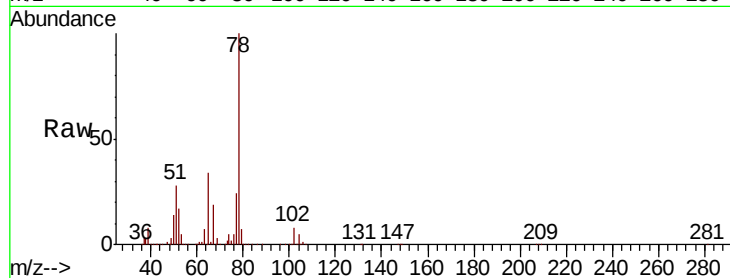




#33
 1,2-Dichloroethane-d4
 Concen: 101.502 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

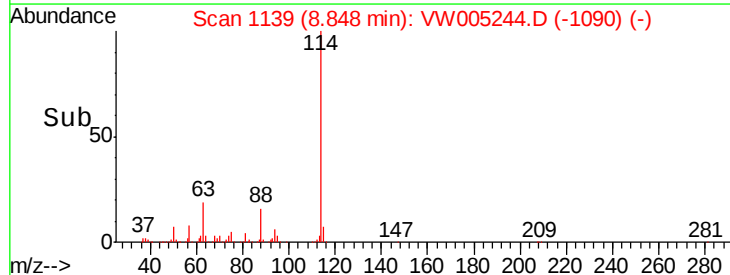
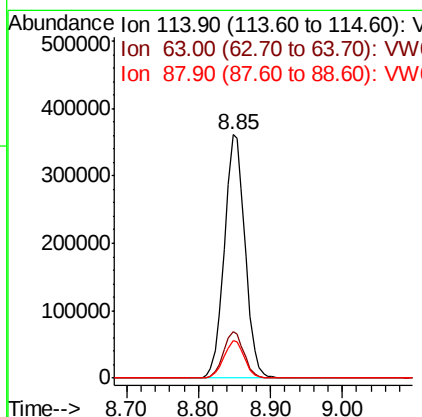
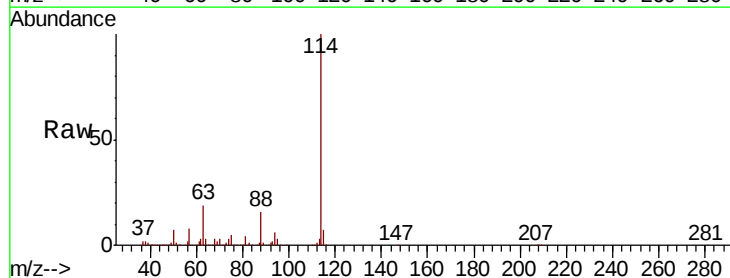
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

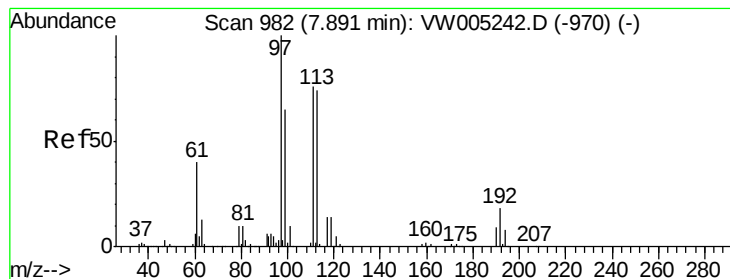
Tgt Ion: 65 Resp: 385143
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion: 114 Resp: 722067
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 105.881 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

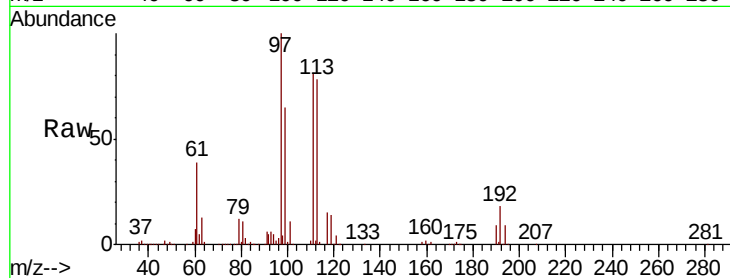
Tgt Ion:113 Resp: 400488

Ion Ratio Lower Upper

113 100

111 103.7 80.6 121.0

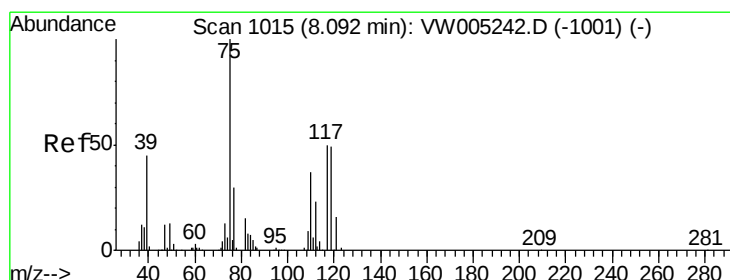
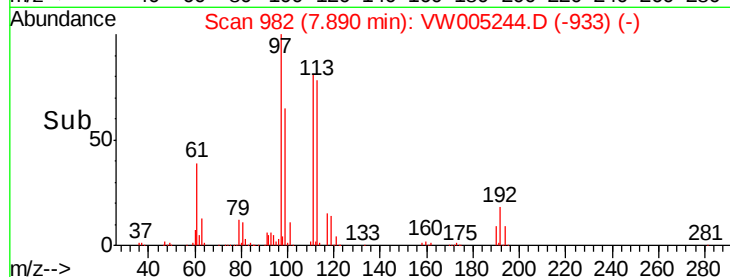
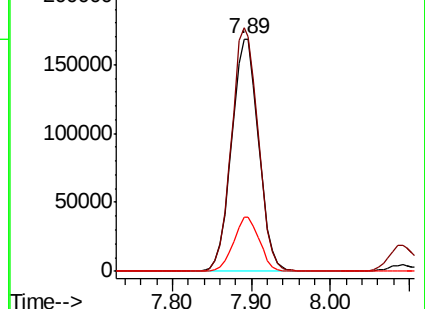
192 22.6 18.3 27.5



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: 97.583 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

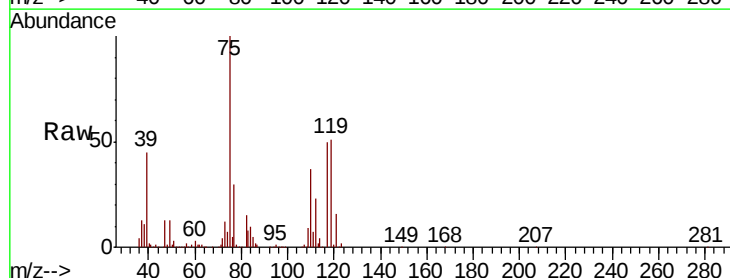
Tgt Ion: 75 Resp: 645542

Ion Ratio Lower Upper

75 100

110 37.7 18.8 56.4

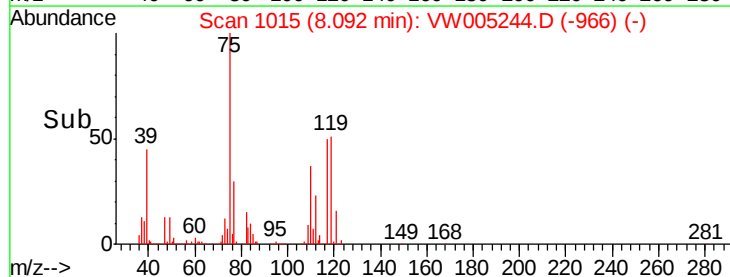
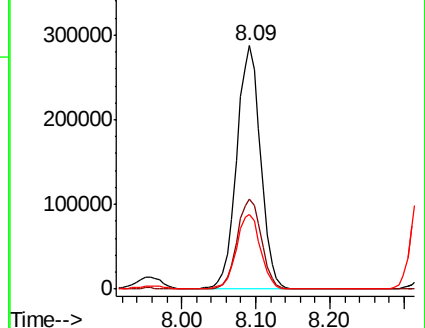
77 31.4 24.9 37.3

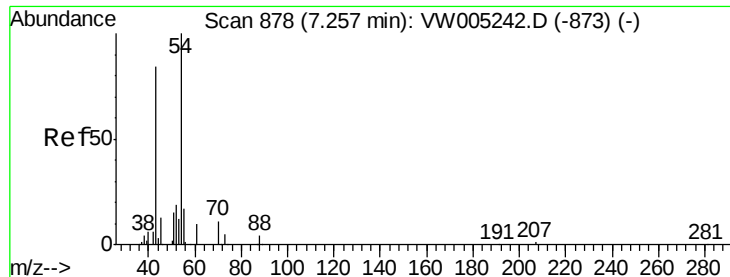


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

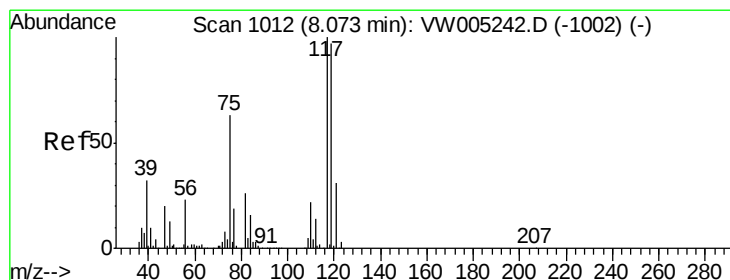
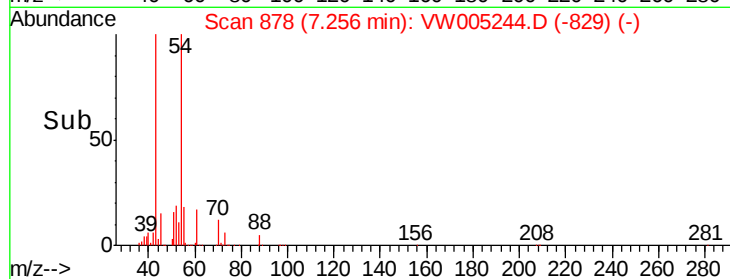
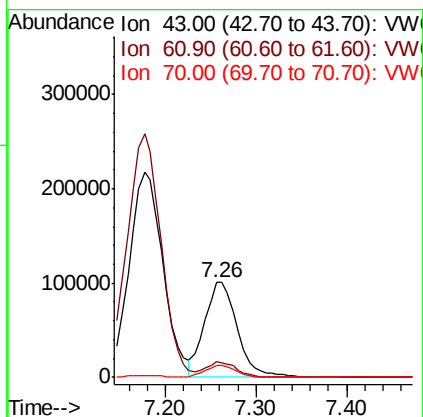
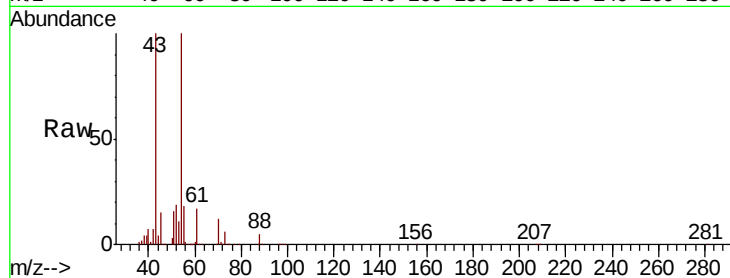




#37
Ethyl Acetate
Concen: 101.011 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

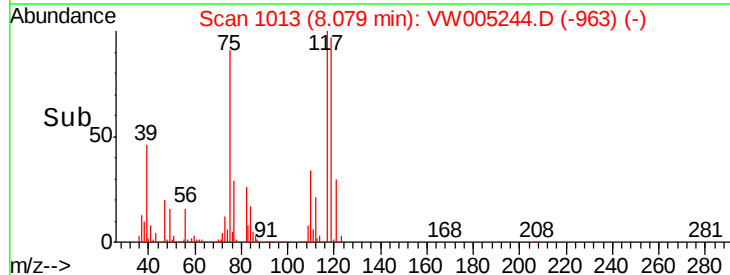
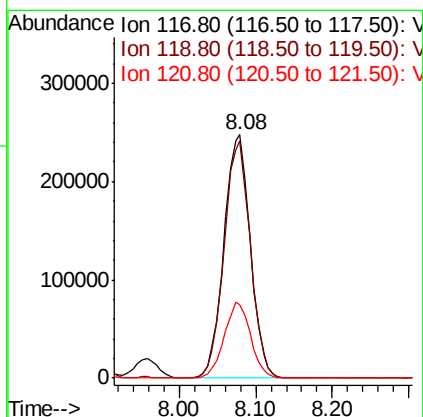
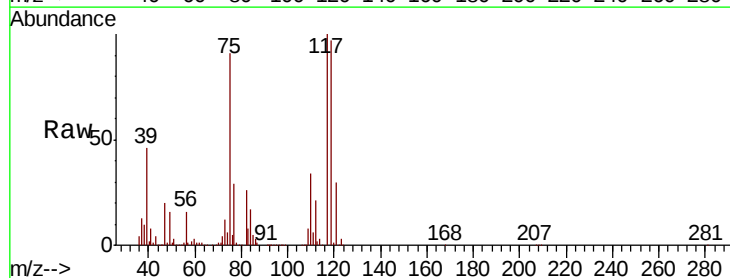
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

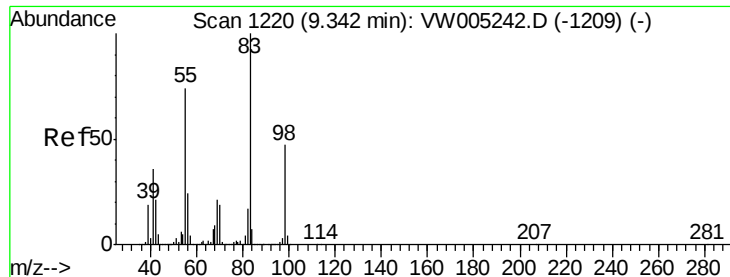
Tgt Ion: 43 Resp: 254167
Ion Ratio Lower Upper
43 100
61 15.4 12.3 18.5
70 12.0 9.5 14.3



#38
Carbon Tetrachloride
Concen: 95.478 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 117 Resp: 591665
Ion Ratio Lower Upper
117 100
119 97.3 77.5 116.3
121 30.2 24.7 37.1

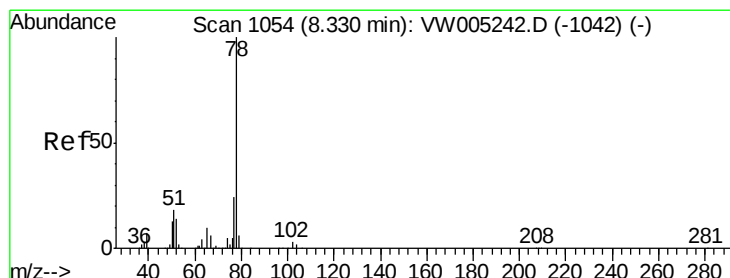
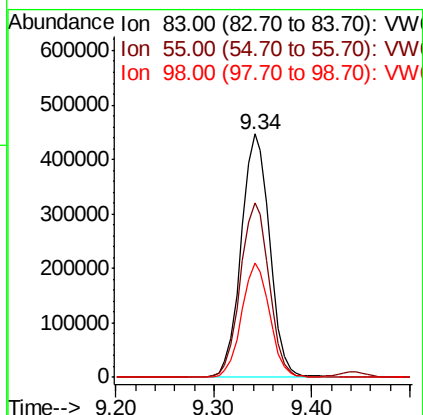
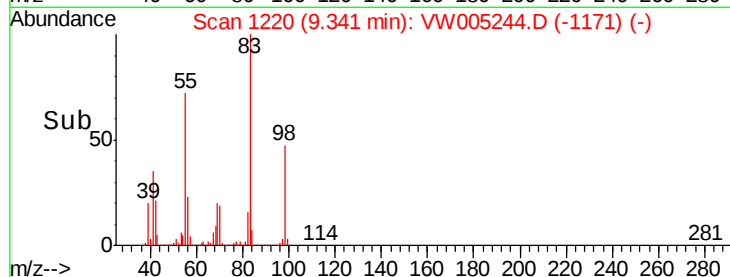
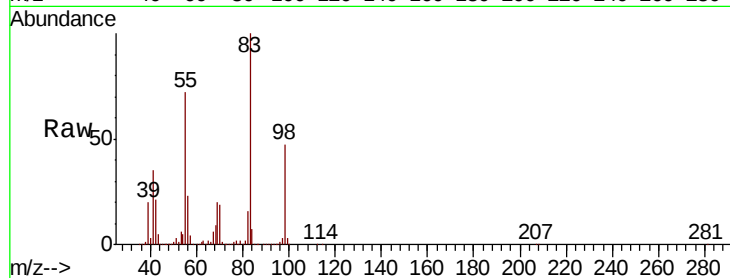




#39
Methylcyclohexane
Concen: 102.712 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

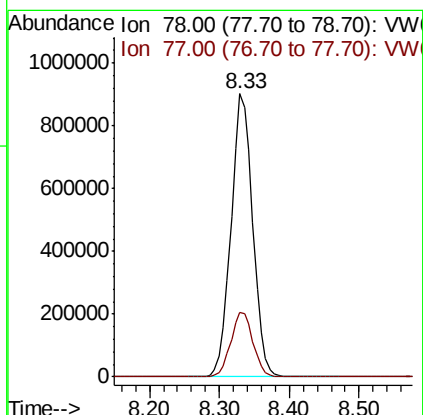
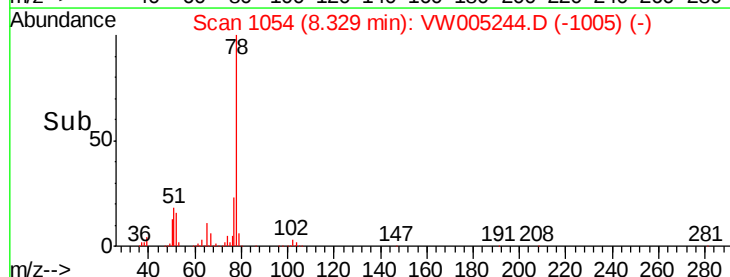
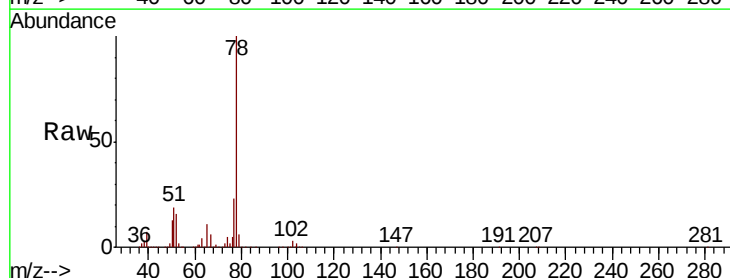
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

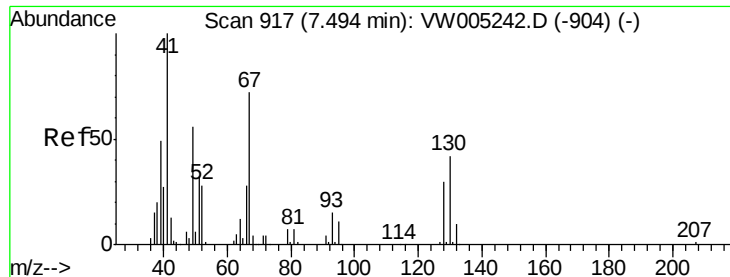
Tgt Ion: 83 Resp: 902150
Ion Ratio Lower Upper
83 100
55 71.7 58.9 88.3
98 47.0 37.6 56.4



#40
Benzene
Concen: 99.577 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 78 Resp: 1940708
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3





#41

Methacrylonitrile

Concen: 109.125 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 140873

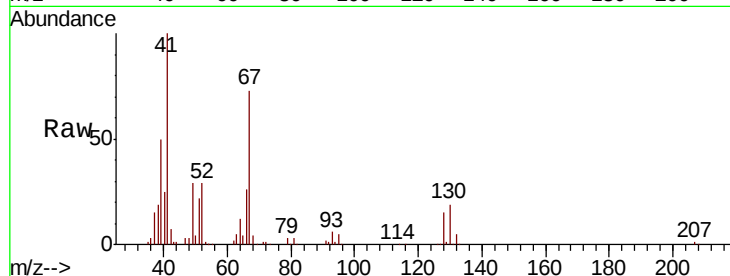
Ion Ratio Lower Upper

41 100

39 56.5 39.9 59.9

67 82.6 65.7 98.5

52 32.1 25.1 37.7

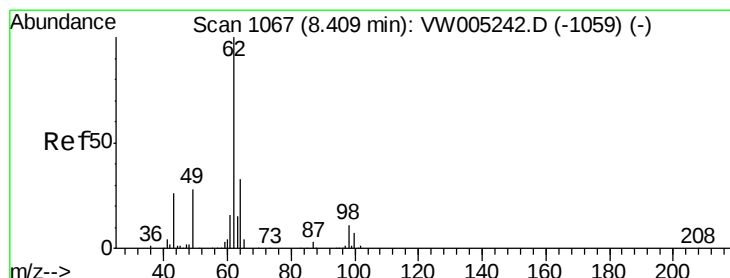
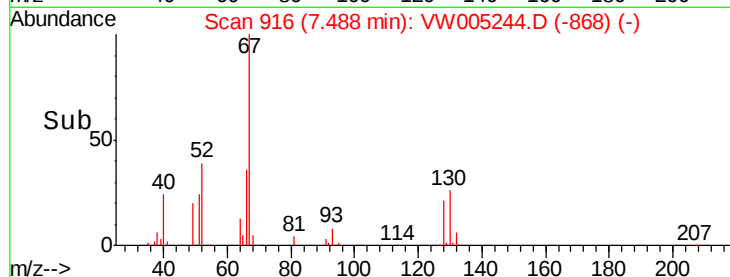
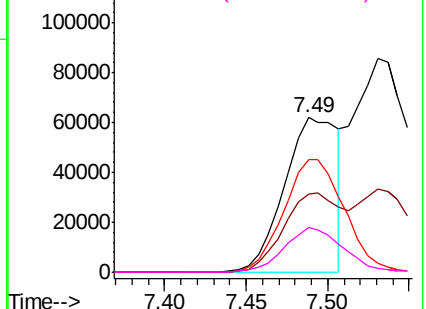


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 97.287 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VW005244.D

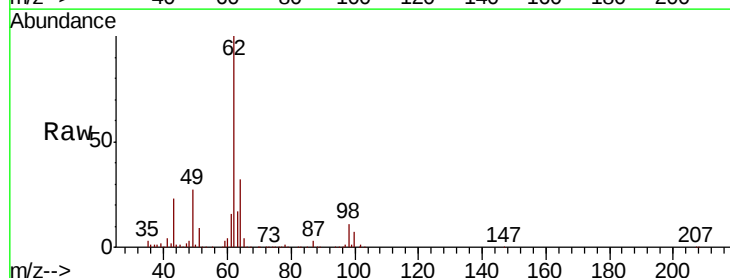
Acq: 10 Sep 2018 16:14

Tgt Ion: 62 Resp: 453608

Ion Ratio Lower Upper

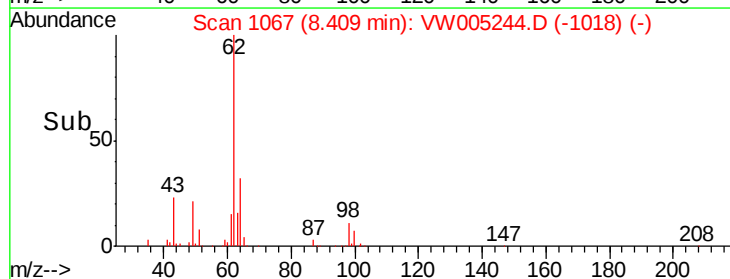
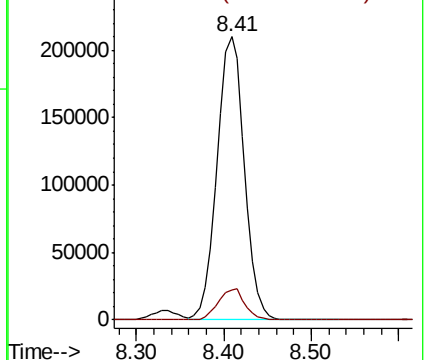
62 100

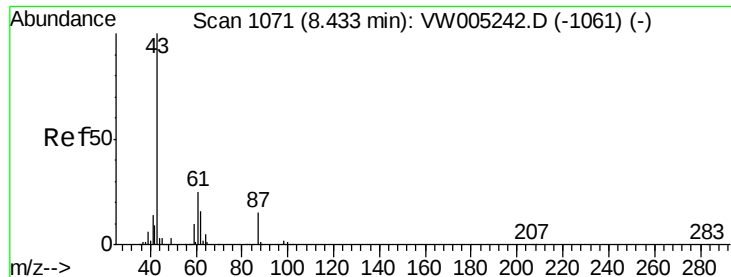
98 10.7 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 103.304 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

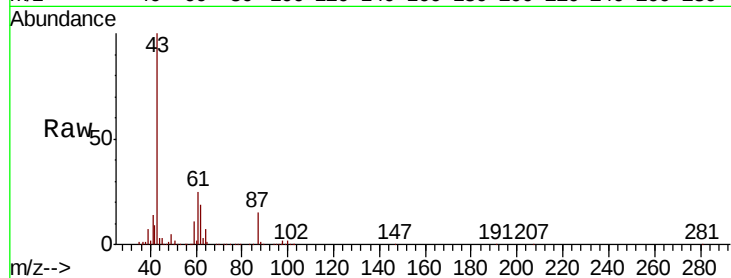
Tgt Ion: 43 Resp: 482699

Ion Ratio Lower Upper

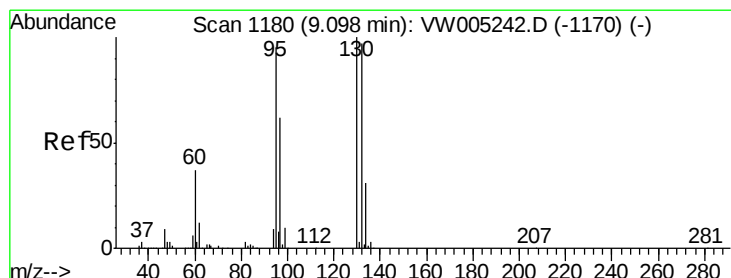
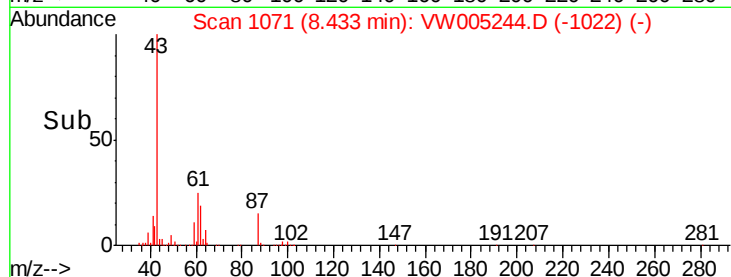
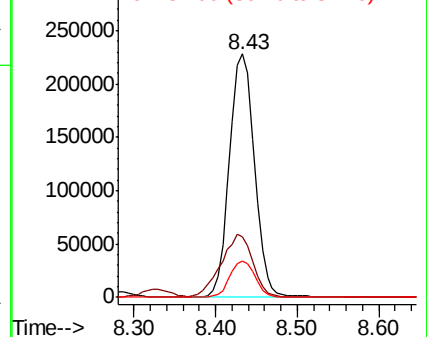
43 100

61 32.9 25.4 38.0

87 15.1 11.9 17.9



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: 98.331 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005244.D

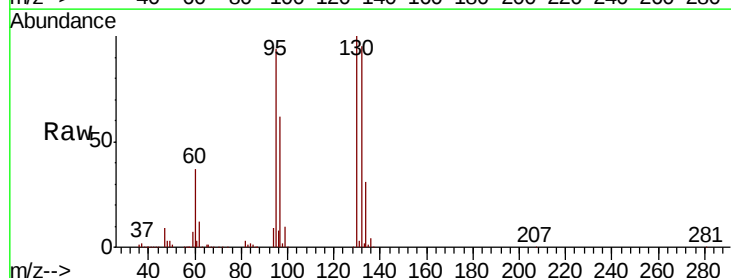
Acq: 10 Sep 2018 16:14

Tgt Ion: 130 Resp: 525746

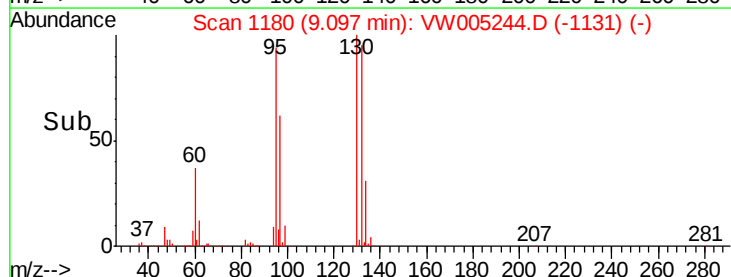
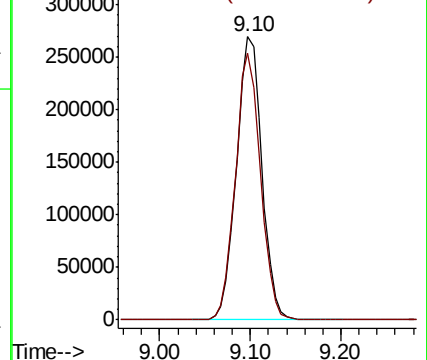
Ion Ratio Lower Upper

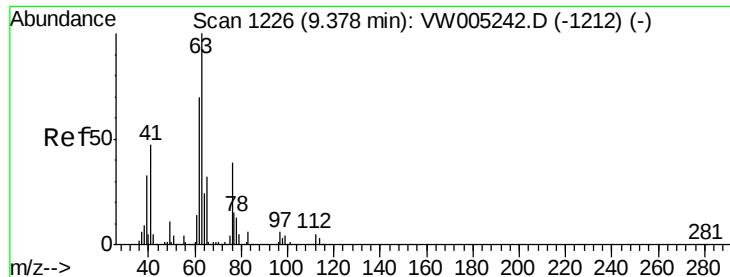
130 100

95 94.4 0.0 189.6



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





#45

1,2-Dichloropropane

Concen: 99.157 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

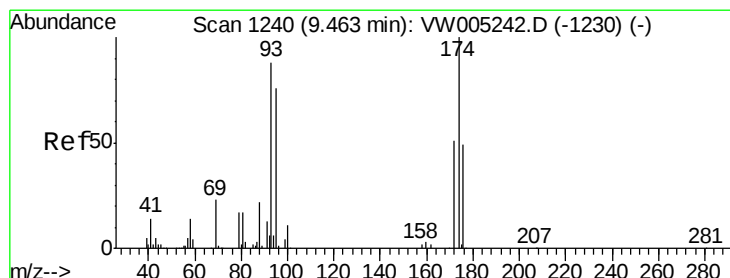
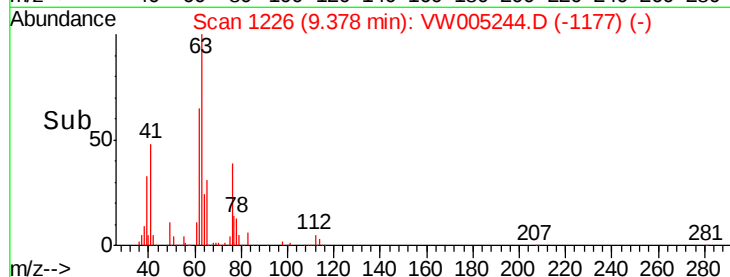
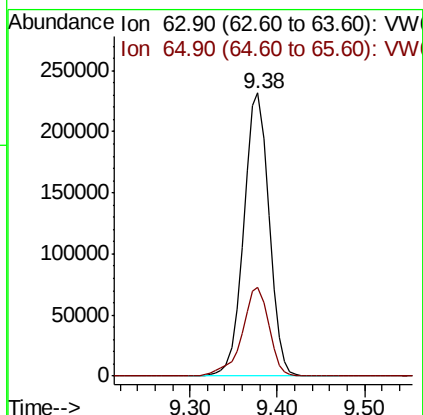
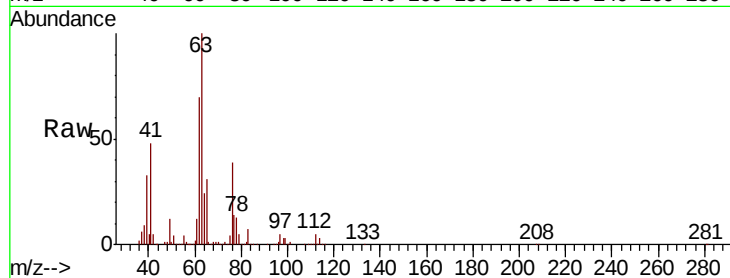
VSTDIC100

Tgt Ion: 63 Resp: 464508

Ion Ratio Lower Upper

63 100

65 31.3 25.4 38.2



#46

Dibromomethane

Concen: 99.767 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

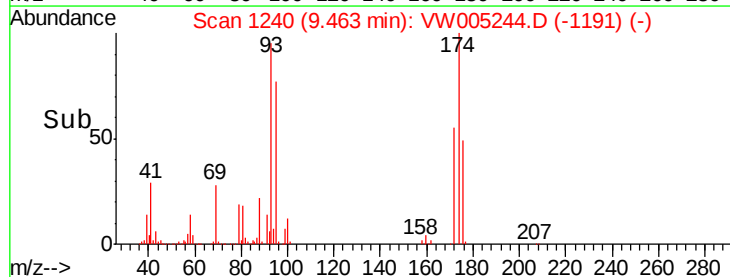
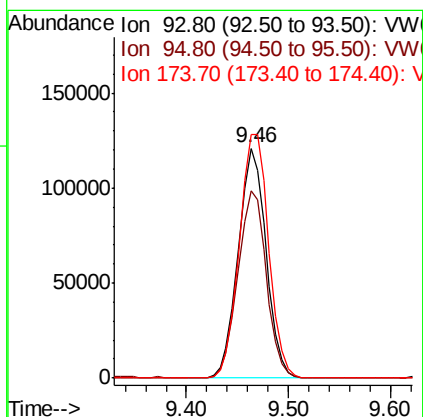
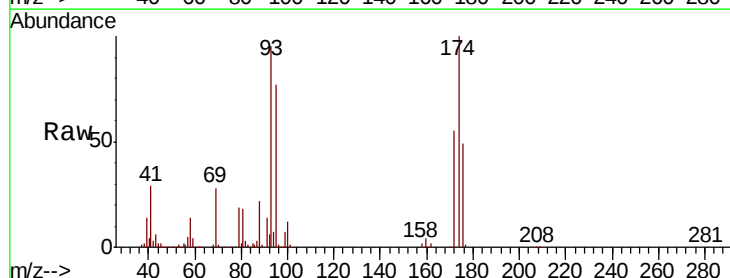
Tgt Ion: 93 Resp: 228769

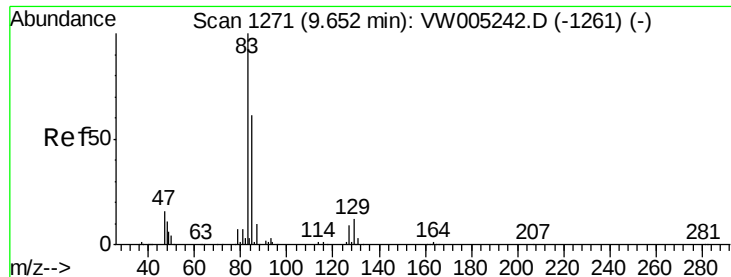
Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 111.9 92.2 138.2





#47

Bromodichloromethane

Concen: 98.555 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

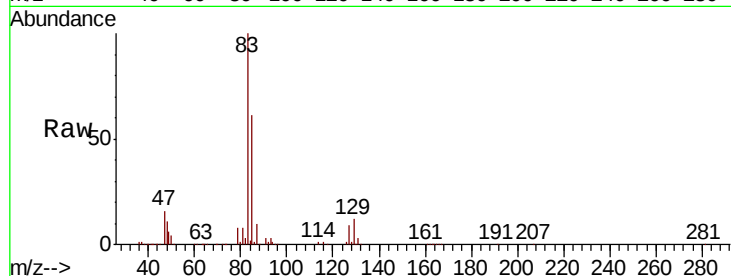
Tgt Ion: 83 Resp: 552829

Ion Ratio Lower Upper

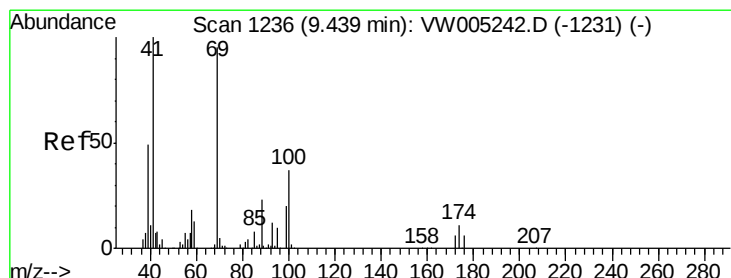
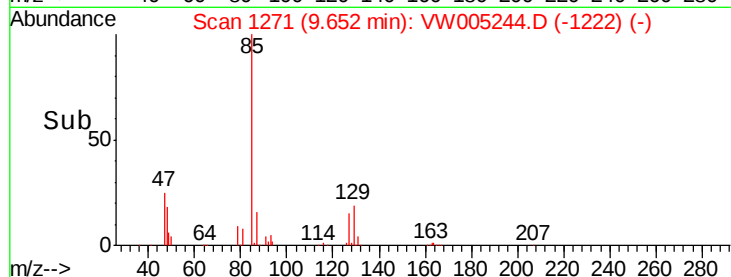
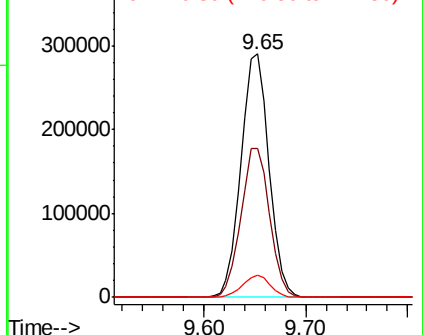
83 100

85 61.4 49.0 73.6

127 9.2 7.0 10.4



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: 111.603 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

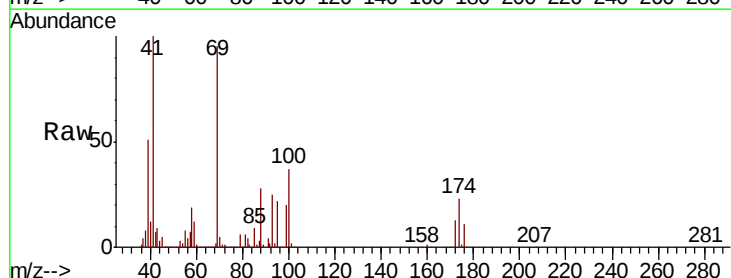
Tgt Ion: 41 Resp: 270771

Ion Ratio Lower Upper

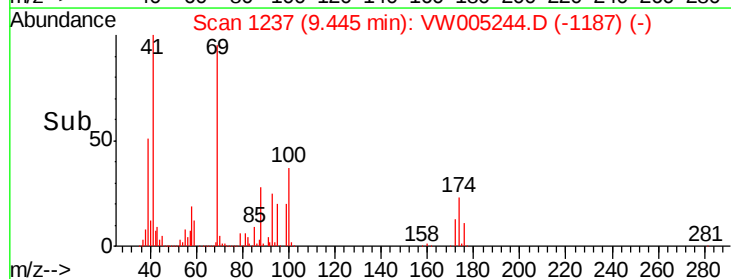
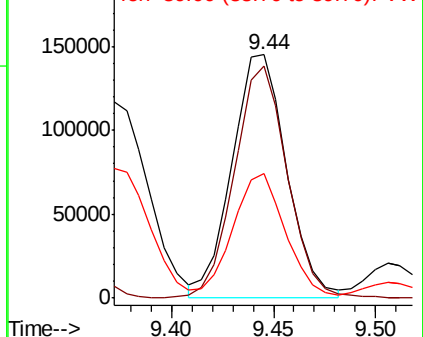
41 100

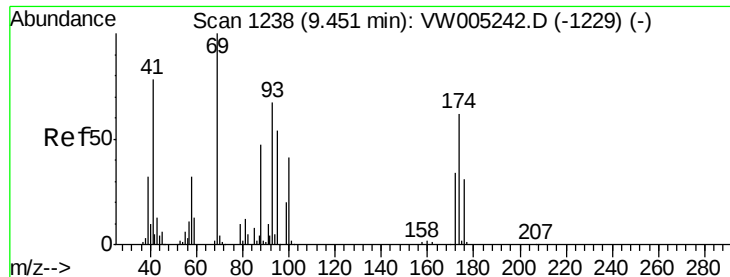
69 92.4 74.6 112.0

39 46.2 36.7 55.1



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: 2034.274 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

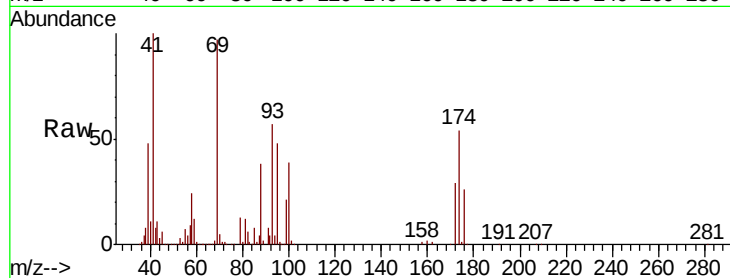
Tgt Ion: 88 Resp: 87091

Ion Ratio Lower Upper

88 100

43 28.9 22.7 34.1

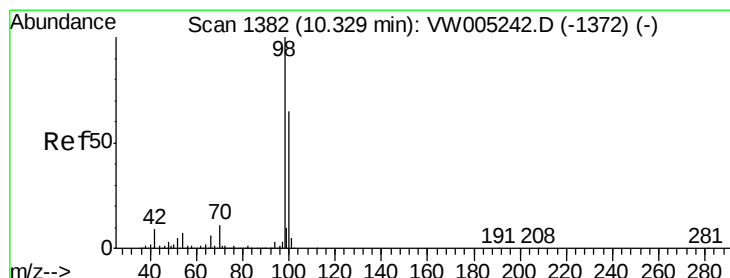
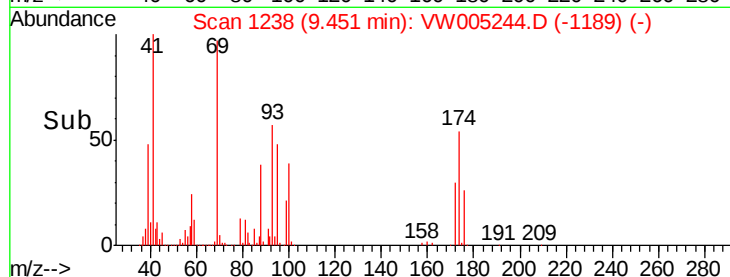
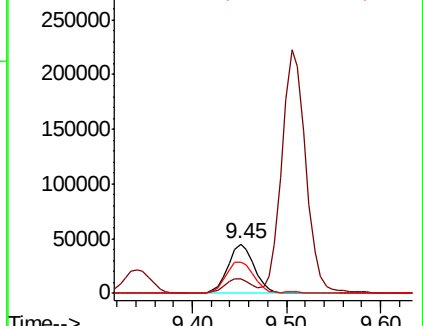
58 67.6 56.6 85.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 108.078 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005244.D

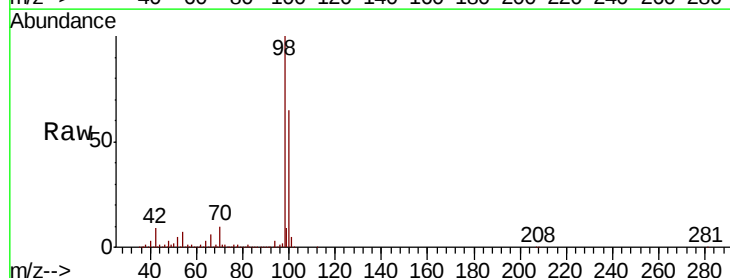
Acq: 10 Sep 2018 16:14

Tgt Ion: 98 Resp: 2065729

Ion Ratio Lower Upper

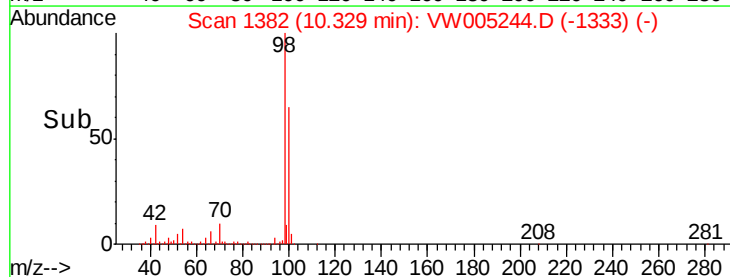
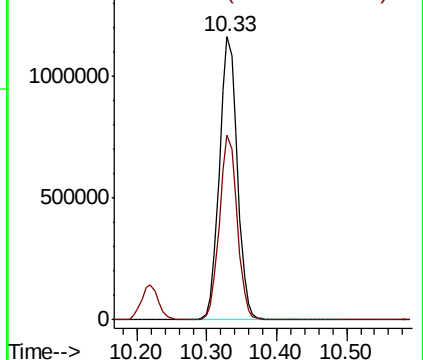
98 100

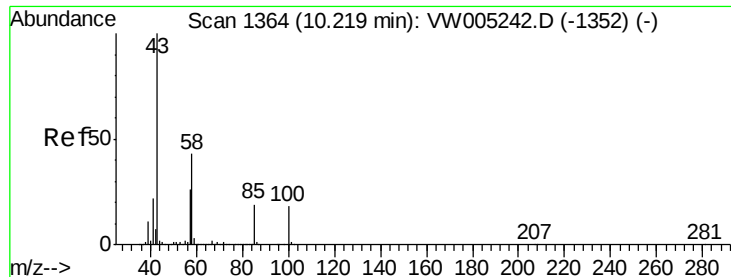
100 64.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

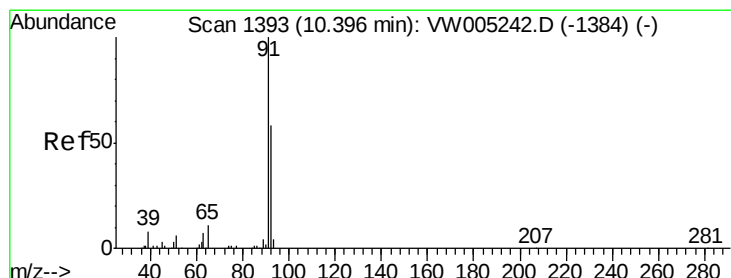
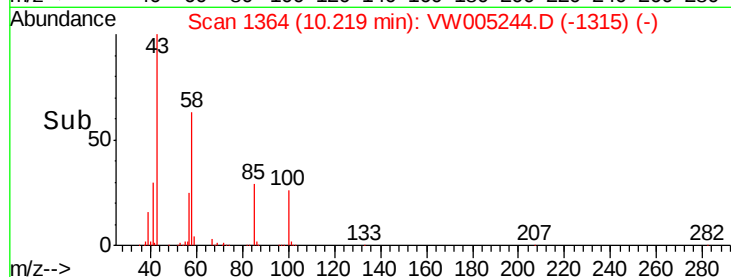
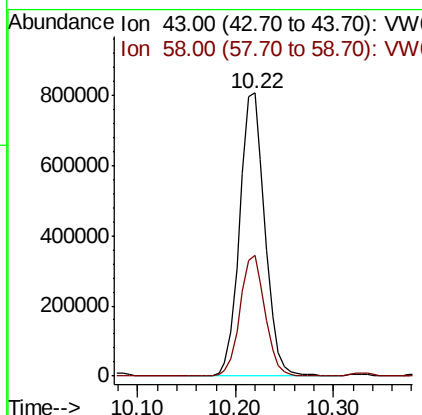
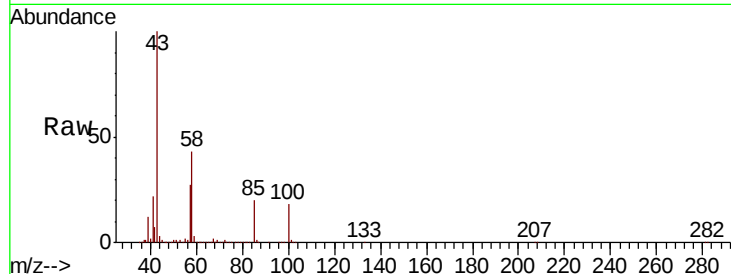




#51
 4-Methyl-2-Pentanone
 Concen: 547.282 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

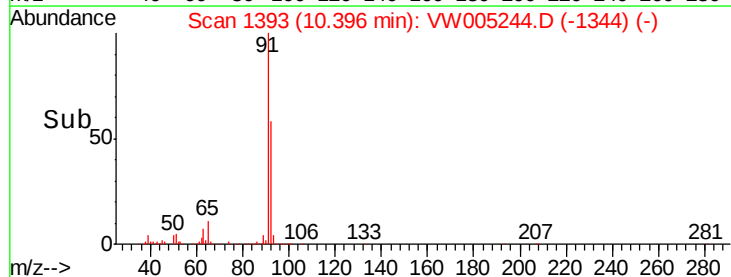
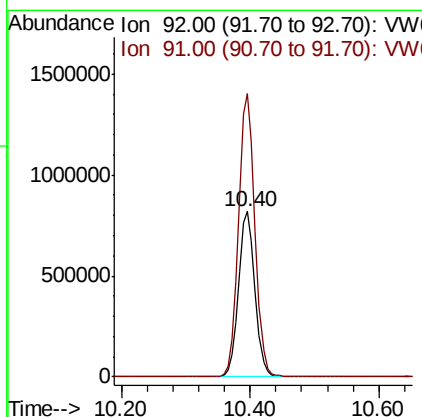
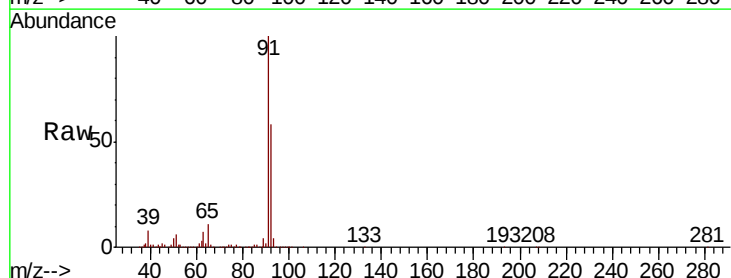
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

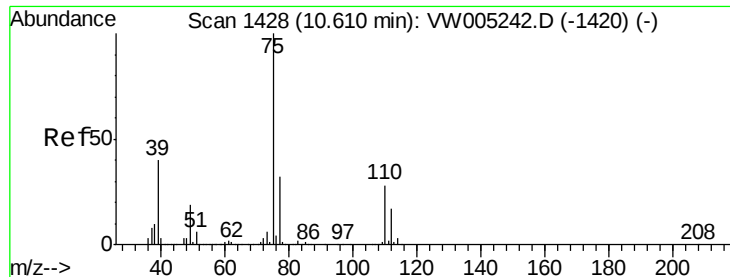
Tgt Ion: 43 Resp: 1439085
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.8 50.6



#52
 Toluene
 Concen: 102.161 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion: 92 Resp: 1447088
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 107.966 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

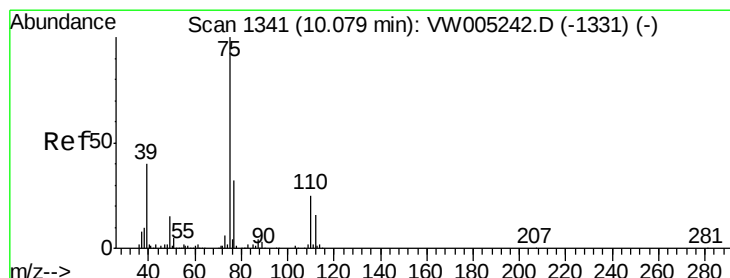
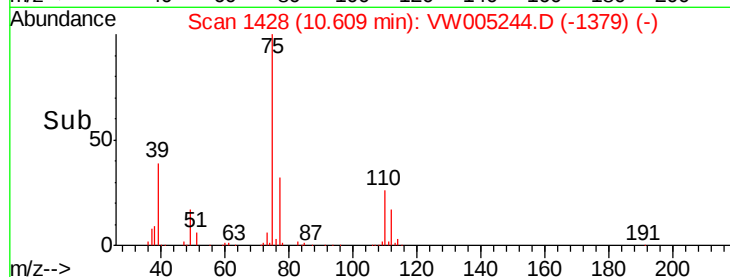
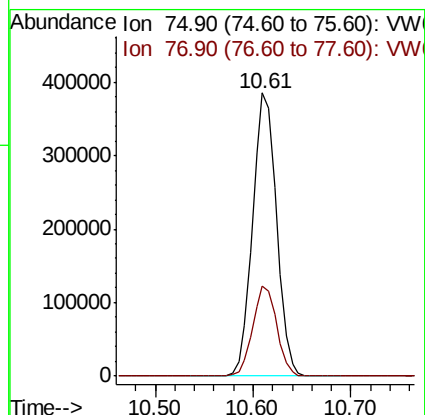
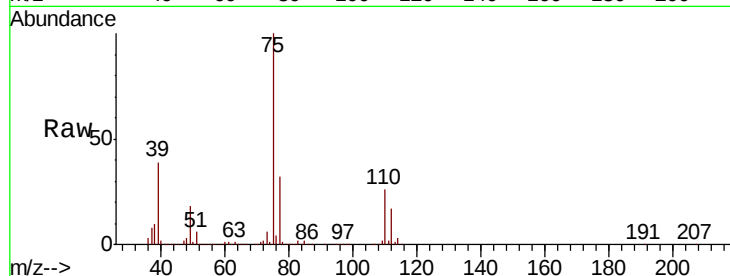
VSTDIC100

Tgt Ion: 75 Resp: 654500

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 104.476 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

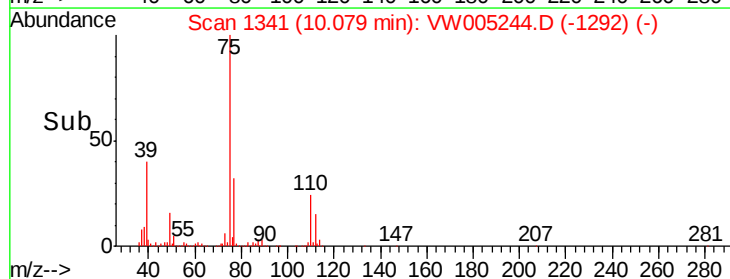
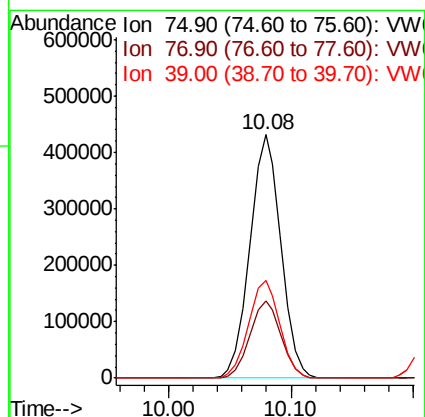
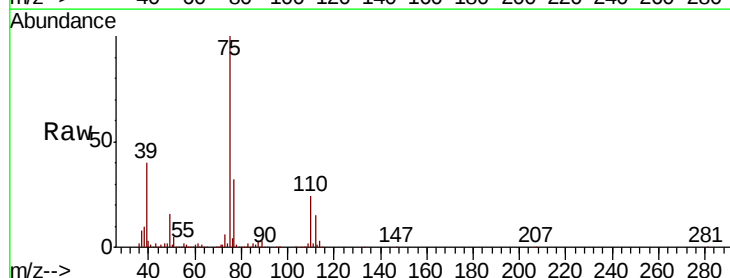
Tgt Ion: 75 Resp: 758441

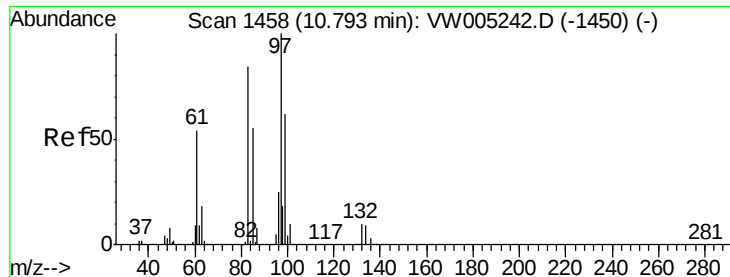
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 39.9 31.8 47.6

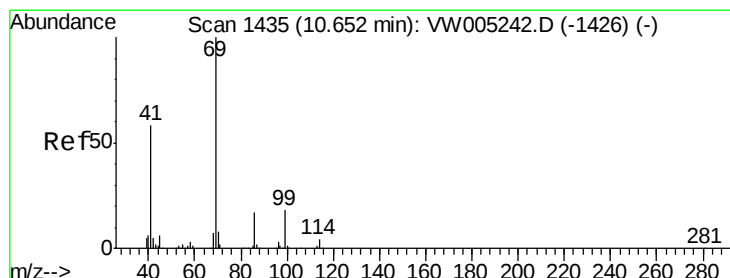
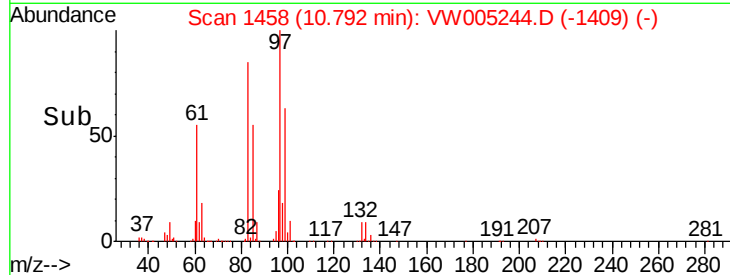
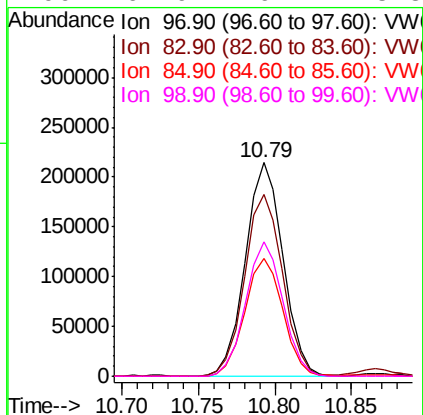
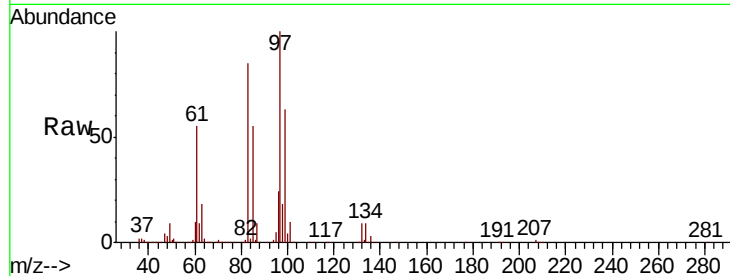




#55
 1,1,2-Trichloroethane
 Concen: 100.630 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

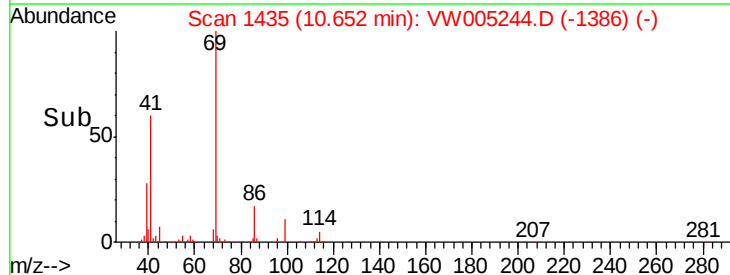
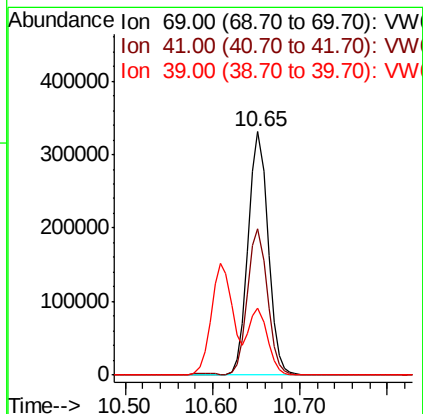
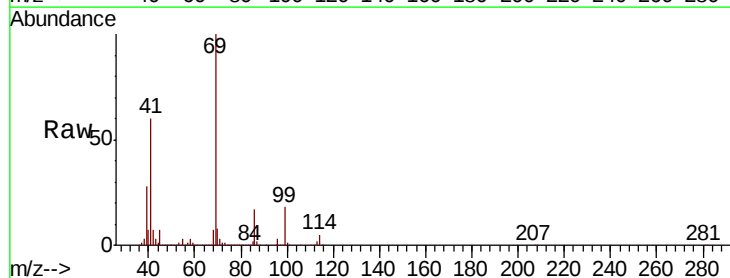
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

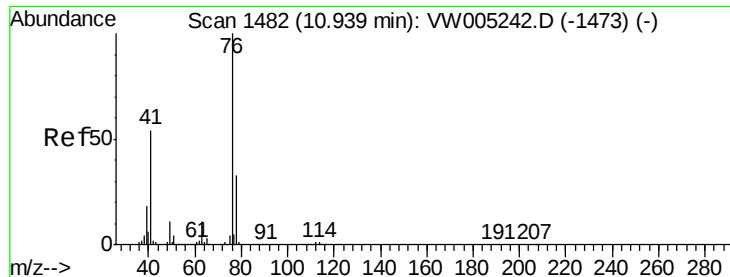
Tgt Ion:	97	Resp:	367918
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.2	100.8
85	55.3	44.4	66.6
99	62.9	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 113.177 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion:	69	Resp:	524590
Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.7	73.1
39	26.0	20.9	31.3





#57

1,3-Dichloropropane

Concen: 103.418 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

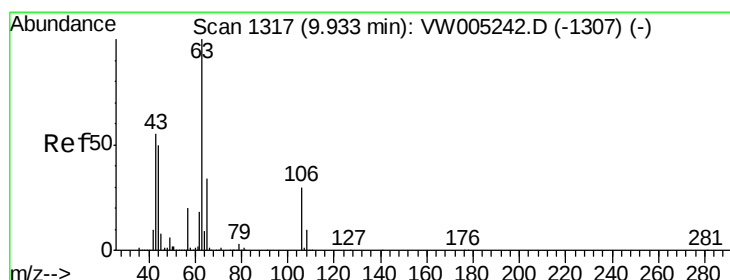
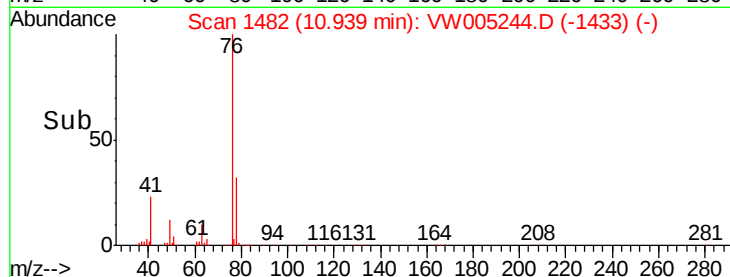
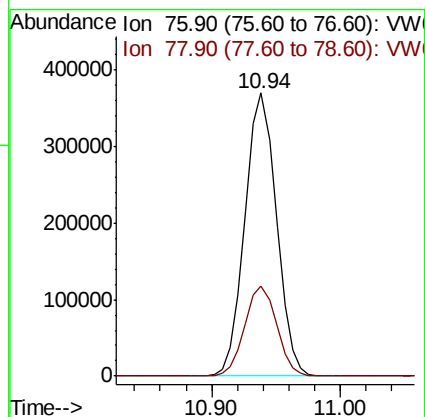
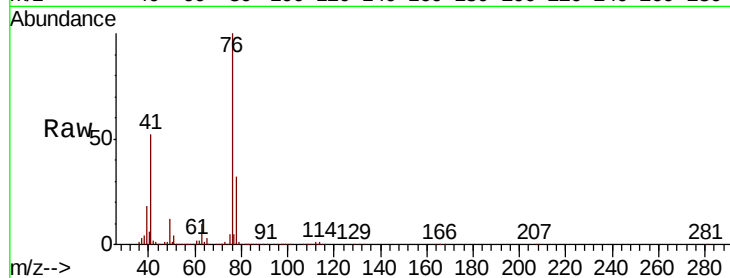
VSTDIC100

Tgt Ion: 76 Resp: 627864

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 552.531 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VW005244.D

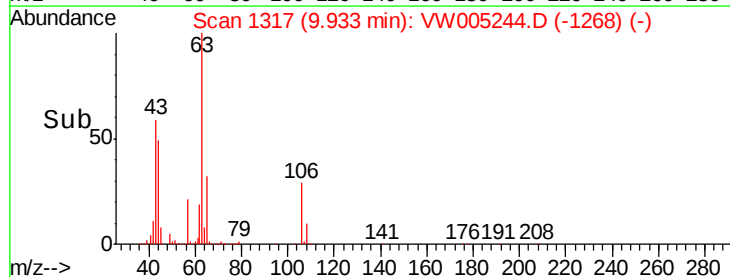
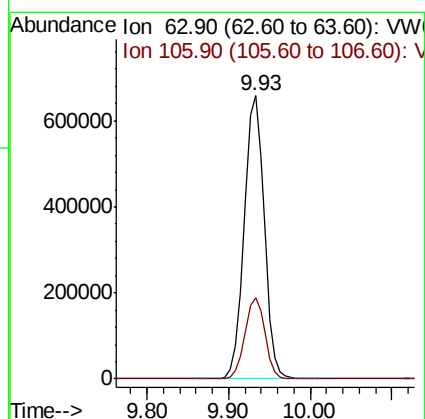
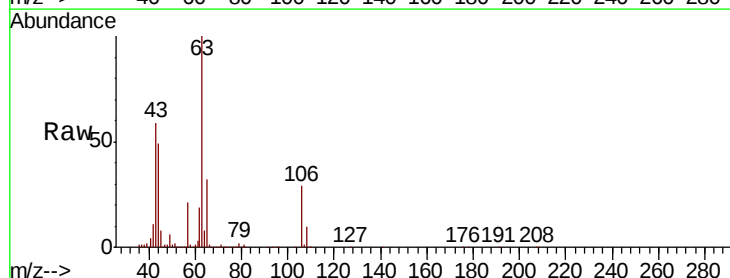
Acq: 10 Sep 2018 16:14

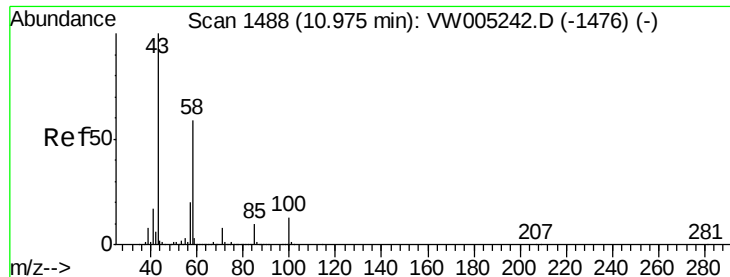
Tgt Ion: 63 Resp: 1113134

Ion Ratio Lower Upper

63 100

106 28.6 23.4 35.0

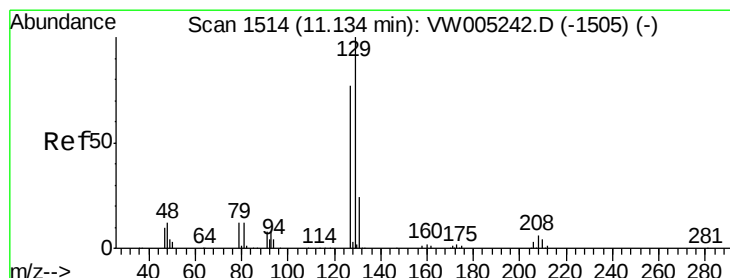
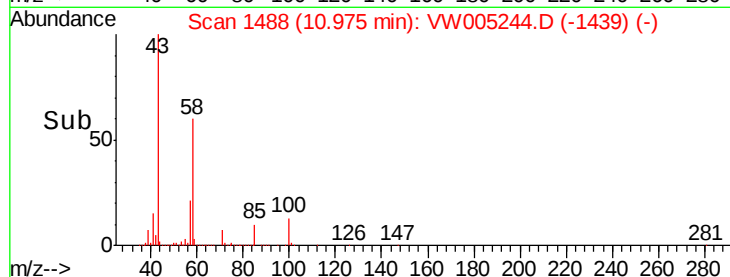
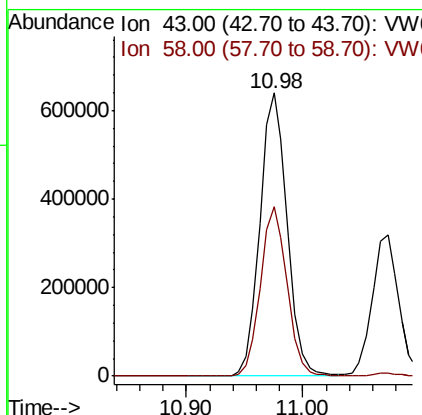
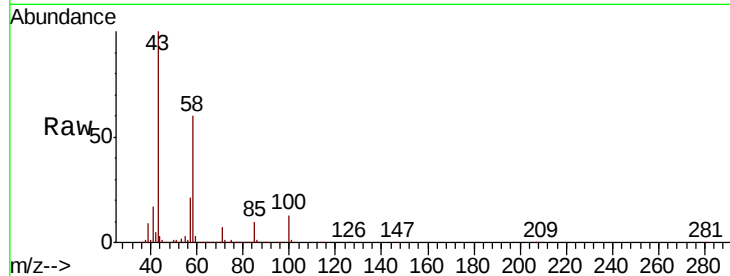




#59
2-Hexanone
Concen: 549.148 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

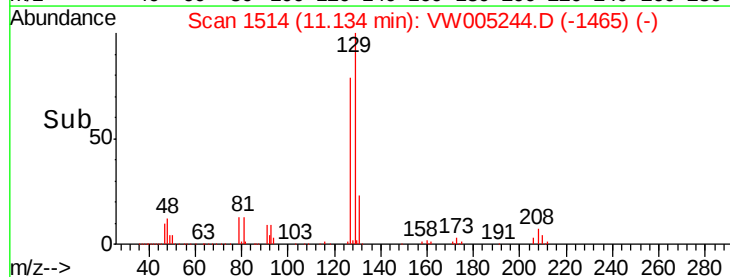
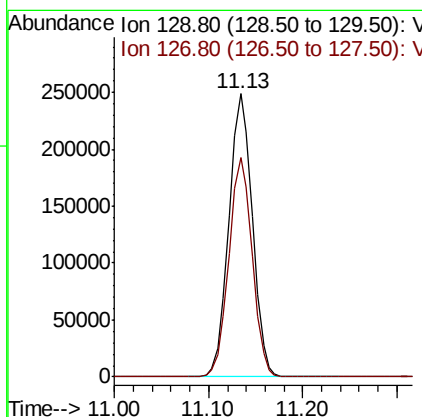
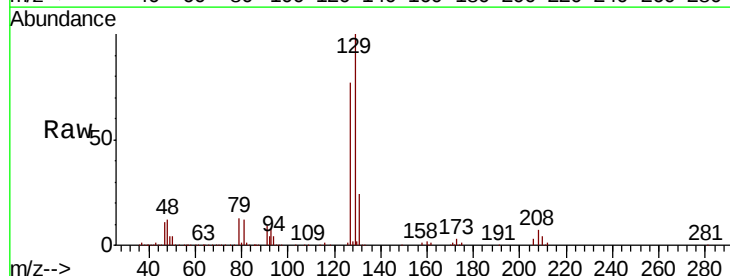
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

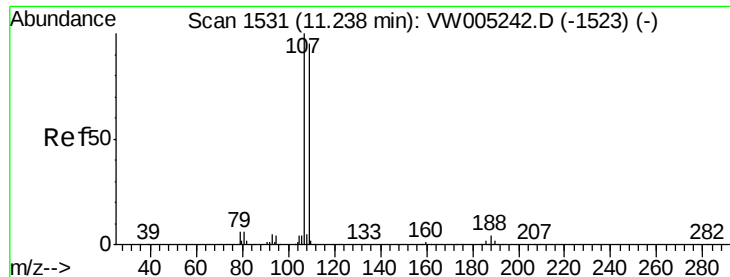
Tgt Ion: 43 Resp: 1041006
Ion Ratio Lower Upper
43 100
58 58.8 29.3 87.9



#60
Dibromochloromethane
Concen: 105.835 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 129 Resp: 429364
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0

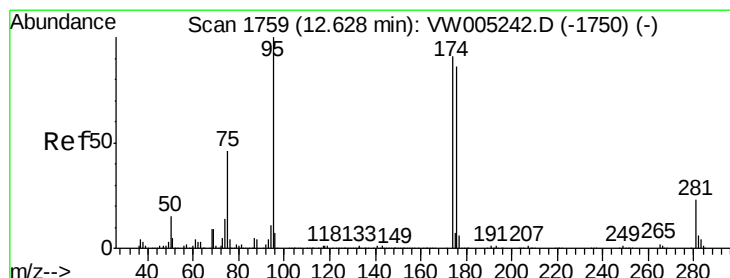
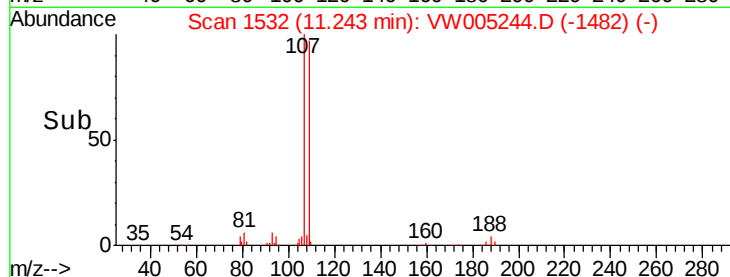
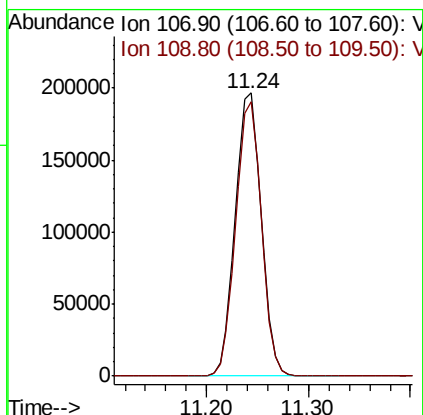
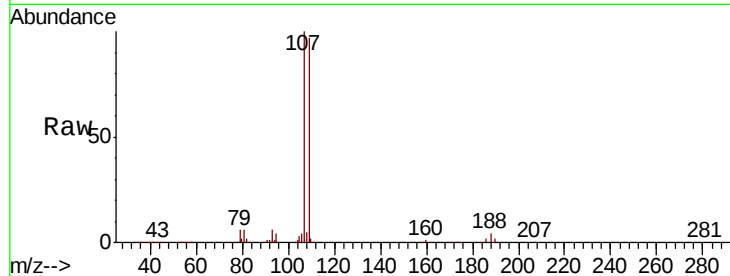




#61
 1,2-Dibromoethane
 Concen: 103.219 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

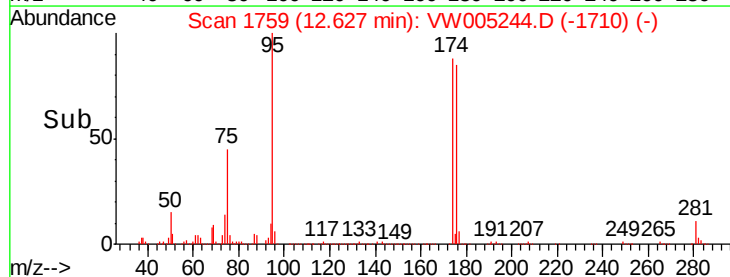
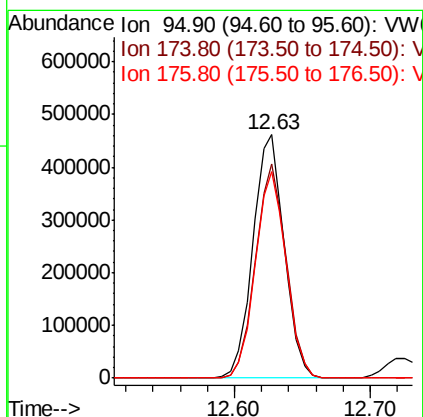
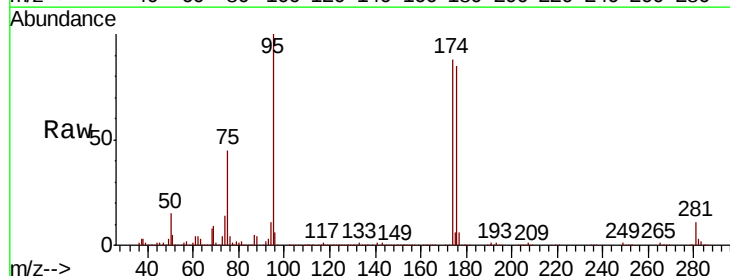
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

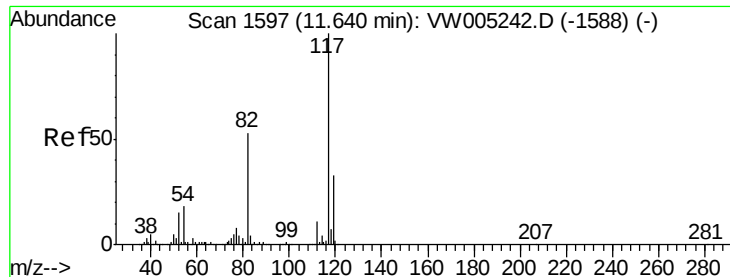
Tgt Ion: 107 Resp: 346074
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 106.363 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion: 95 Resp: 743596
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 174.6
 176 83.9 0.0 167.6

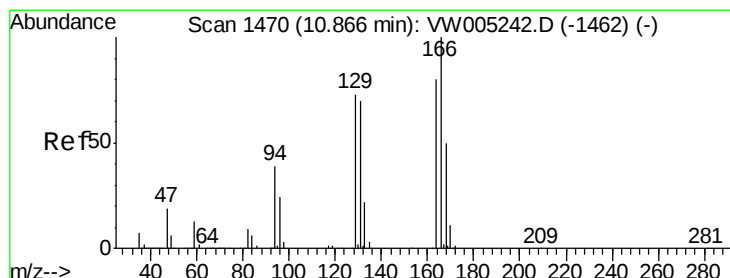
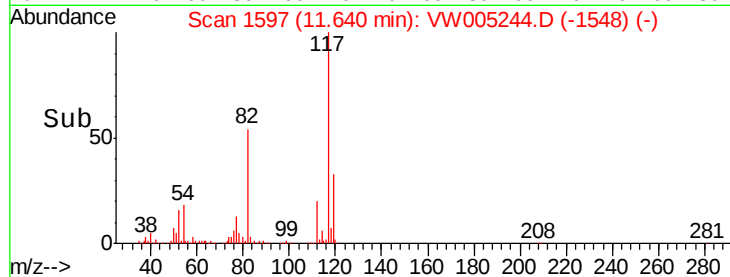
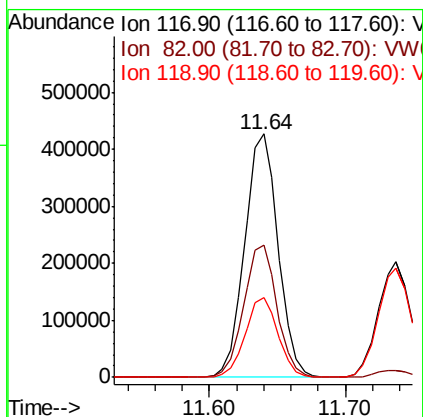
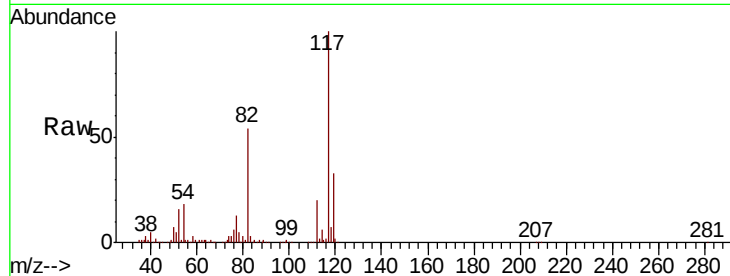




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

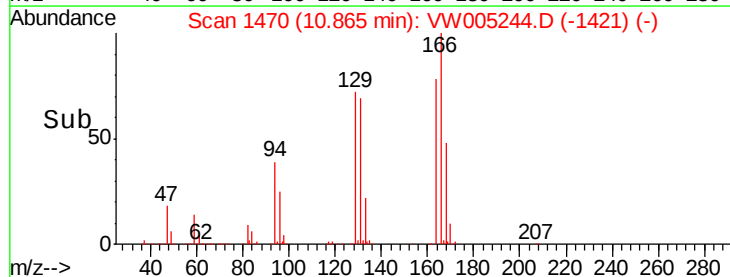
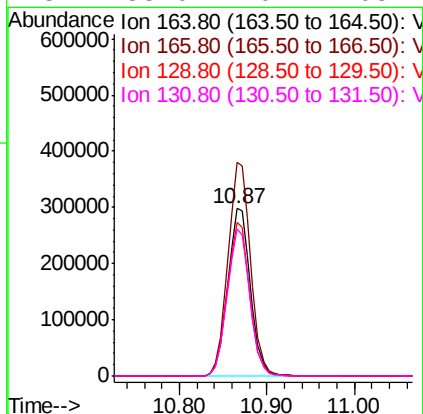
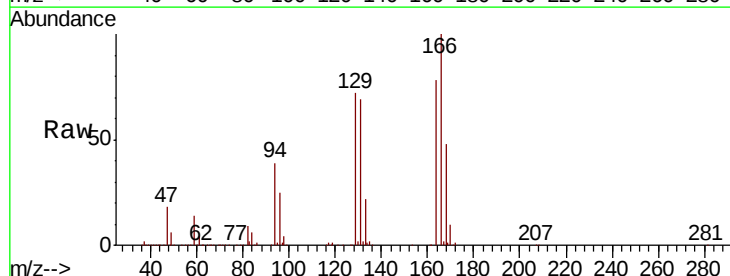
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

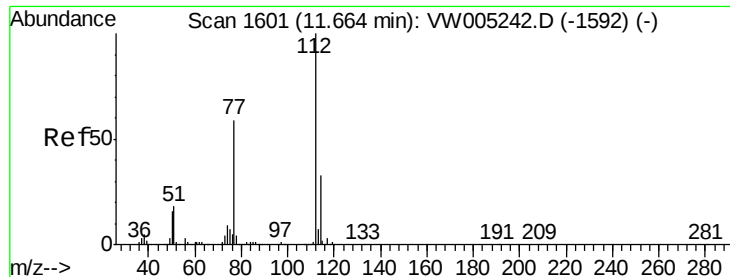
Tgt Ion:117 Resp: 733179
Ion Ratio Lower Upper
117 100
82 54.3 42.6 63.8
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 98.207 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion:164 Resp: 534202
Ion Ratio Lower Upper
164 100
166 127.5 100.2 150.2
129 91.5 73.2 109.8
131 88.0 70.2 105.4





#65

Chlorobenzene

Concen: 98.415 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

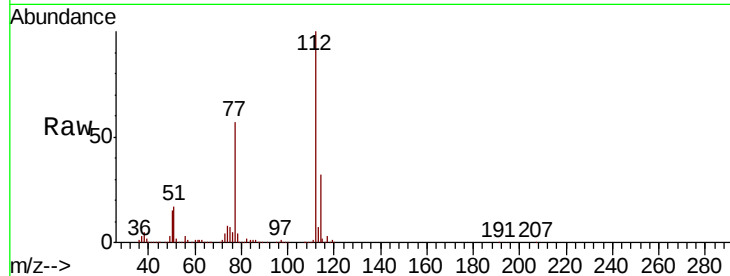
VSTDIC100

Tgt Ion:112 Resp: 1580668

Ion Ratio Lower Upper

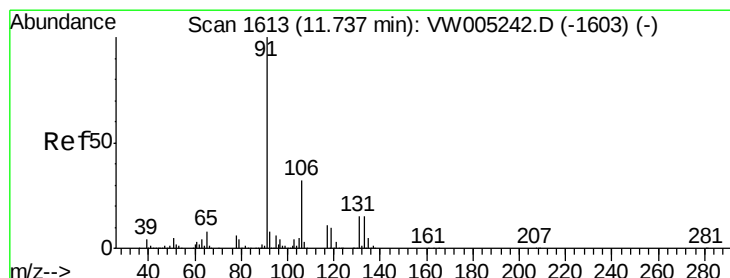
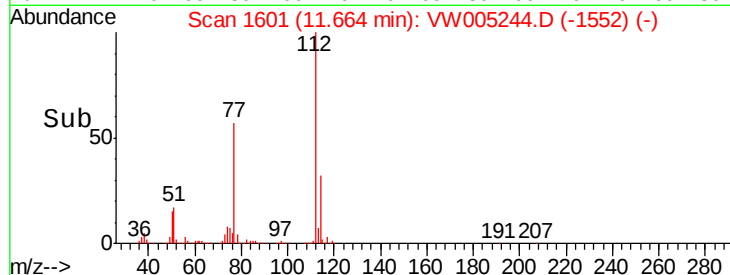
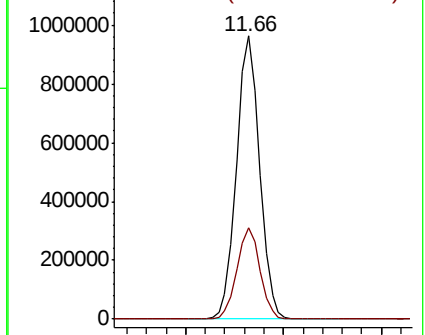
112 100

114 32.3 26.2 39.4



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: 100.127 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

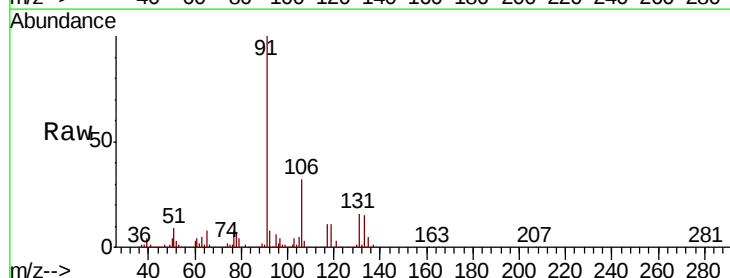
Tgt Ion:131 Resp: 480166

Ion Ratio Lower Upper

131 100

133 96.4 48.1 144.3

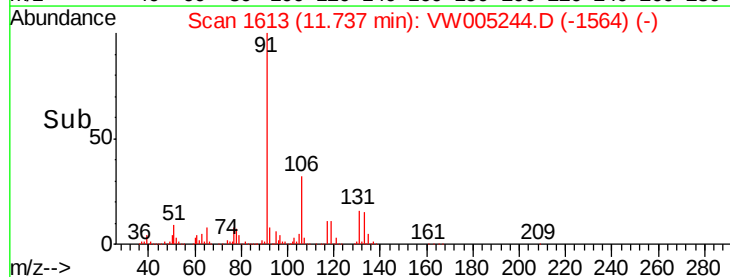
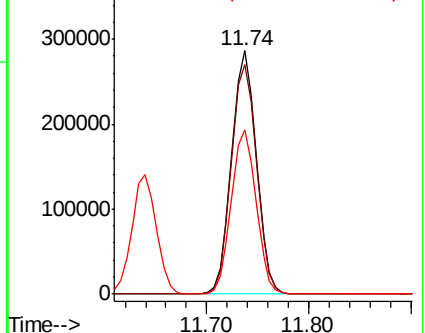
119 67.6 33.4 100.1

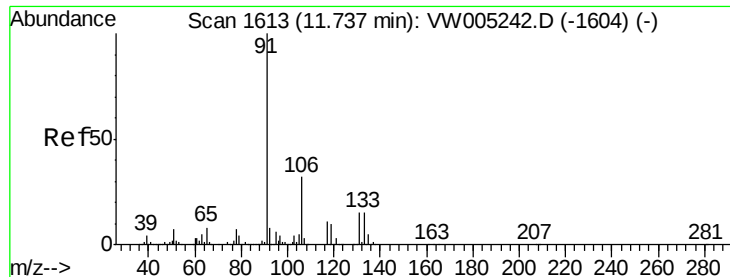


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

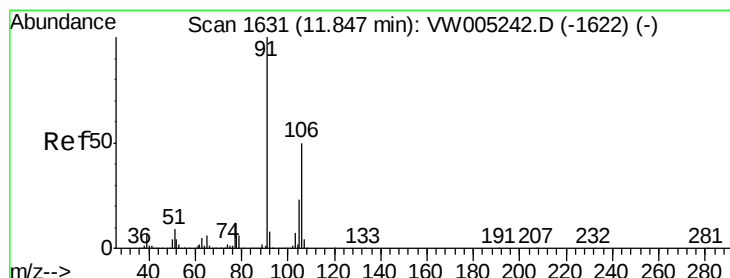
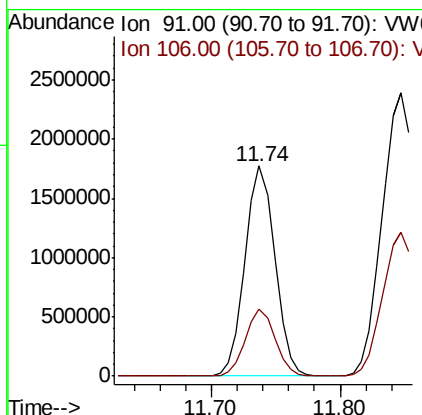
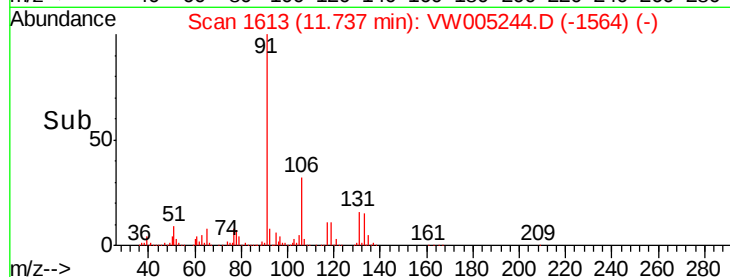
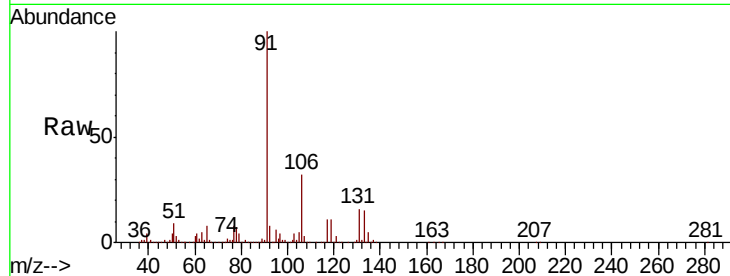




#67
Ethyl Benzene
Concen: 101.992 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

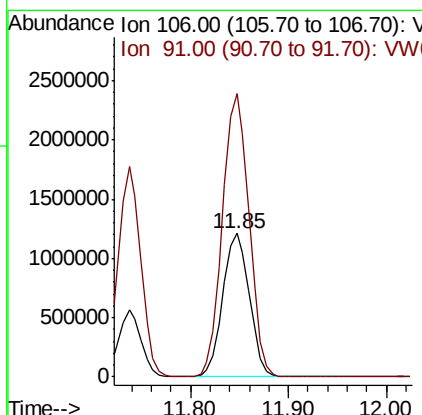
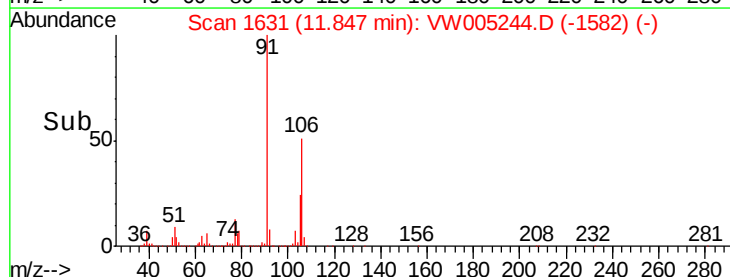
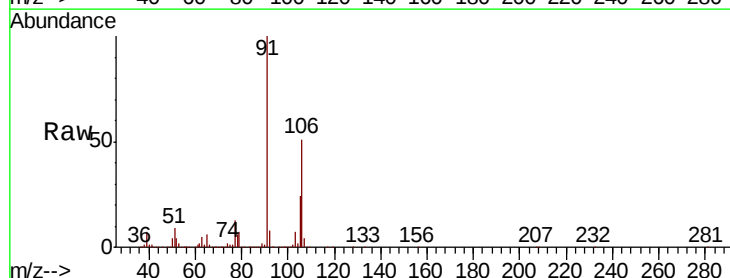
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

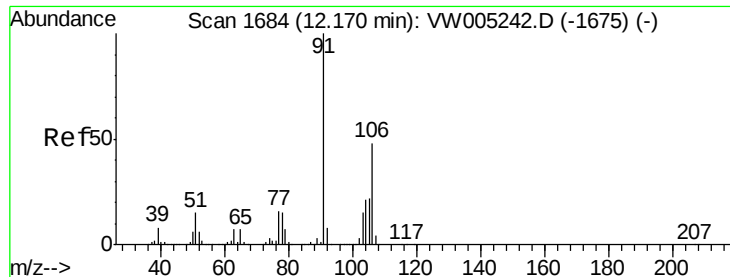
Tgt Ion: 91 Resp: 2852754
Ion Ratio Lower Upper
91 100
106 31.7 25.6 38.4



#68
m/p-Xylenes
Concen: 202.109 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion: 106 Resp: 2278045
Ion Ratio Lower Upper
106 100
91 197.5 160.2 240.2

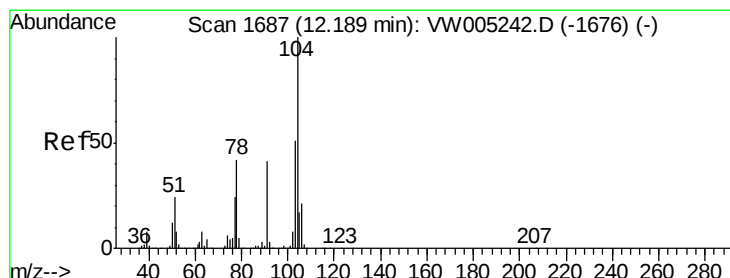
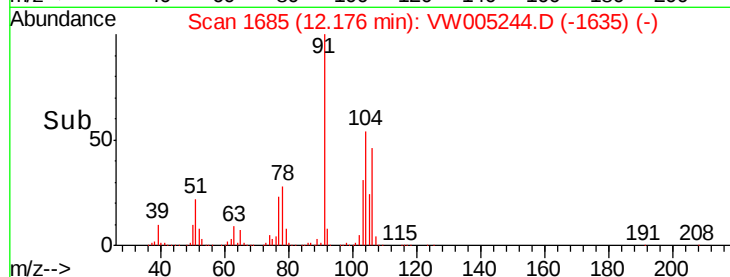
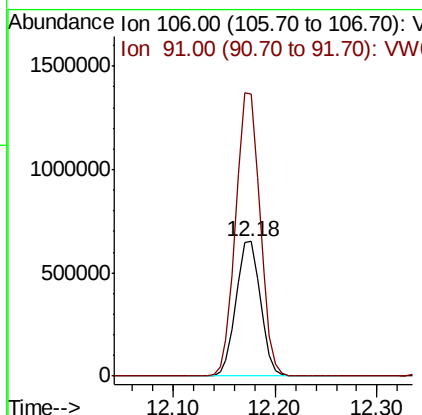
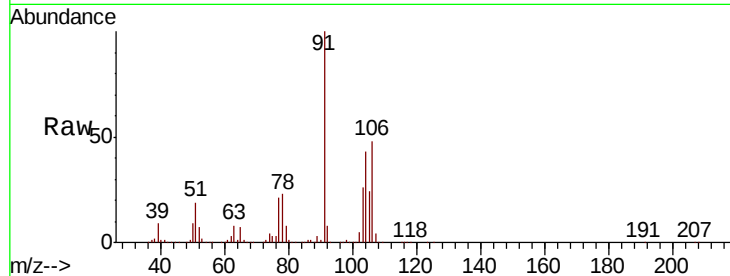




#69
o-Xylene
Concen: 102.726 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

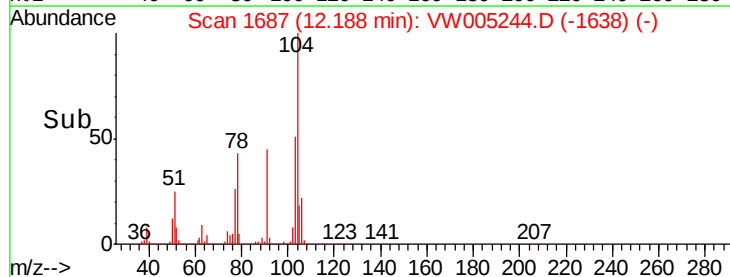
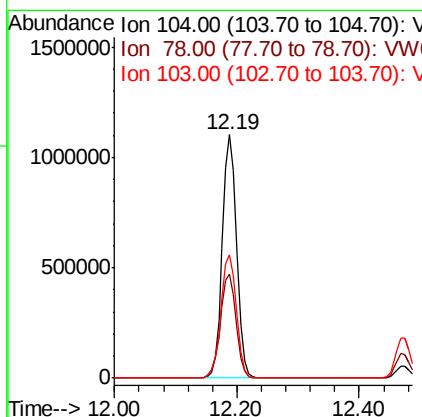
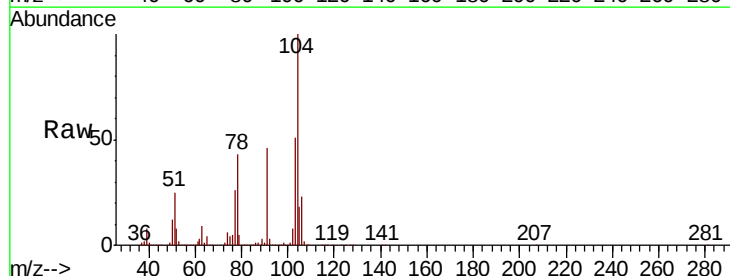
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

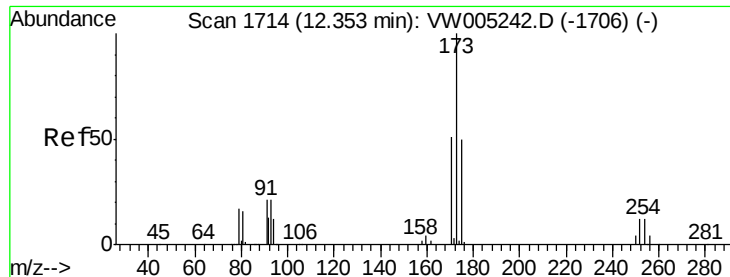
Tgt Ion:106 Resp: 1077243
Ion Ratio Lower Upper
106 100
91 209.3 104.1 312.3



#70
Styrene
Concen: 104.418 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005244.D
Acq: 10 Sep 2018 16:14

Tgt Ion:104 Resp: 1786727
Ion Ratio Lower Upper
104 100
78 47.0 37.4 56.2
103 55.1 44.1 66.1





#71

Bromoform

Concen: 104.776 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

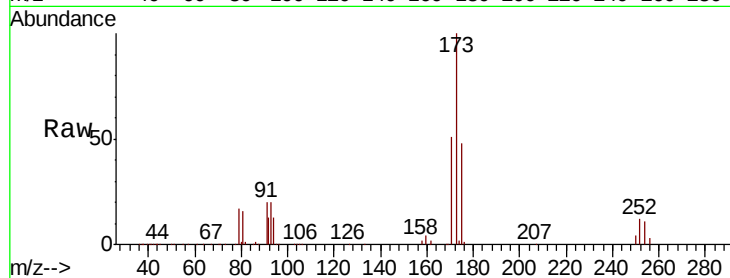
Tgt Ion:173 Resp: 272435

Ion Ratio Lower Upper

173 100

175 48.8 24.9 74.6

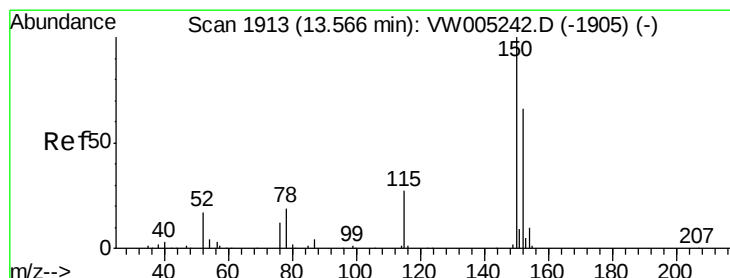
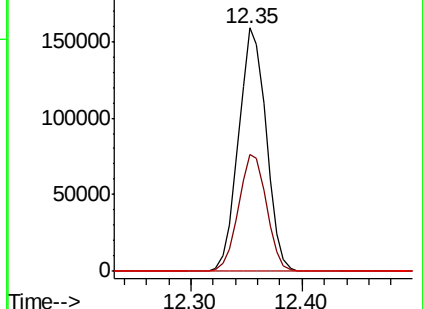
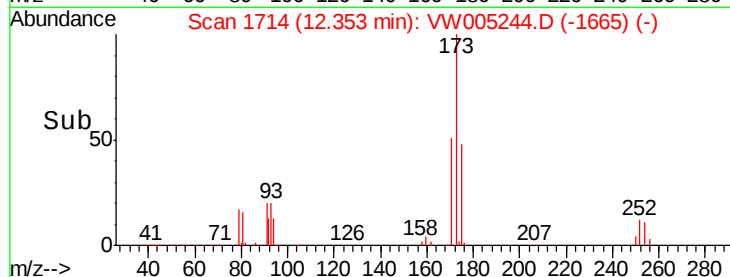
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

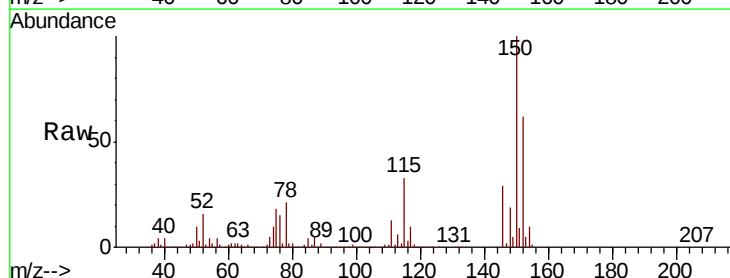
Tgt Ion:152 Resp: 401762

Ion Ratio Lower Upper

152 100

115 54.6 27.5 82.4

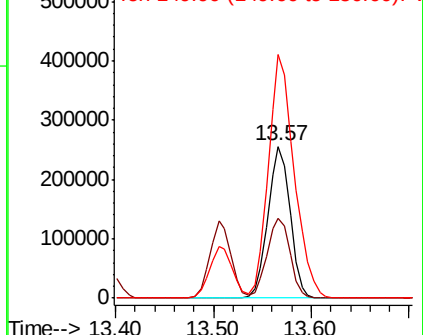
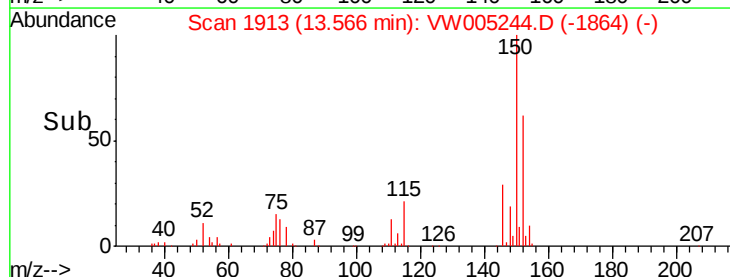
150 186.9 0.0 347.4

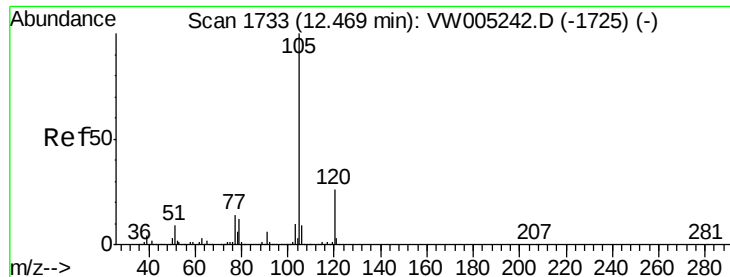


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 101.997 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

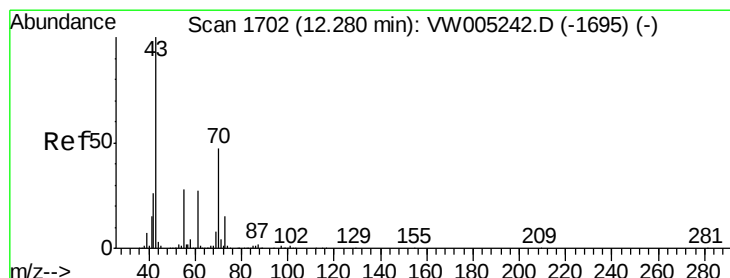
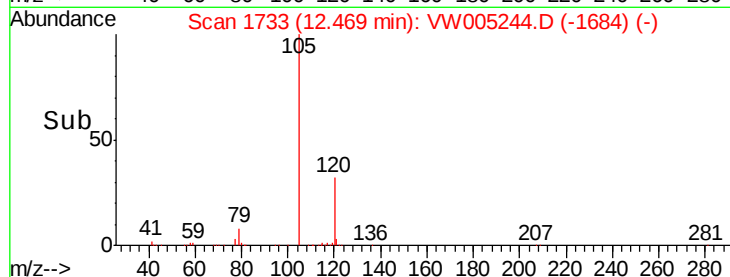
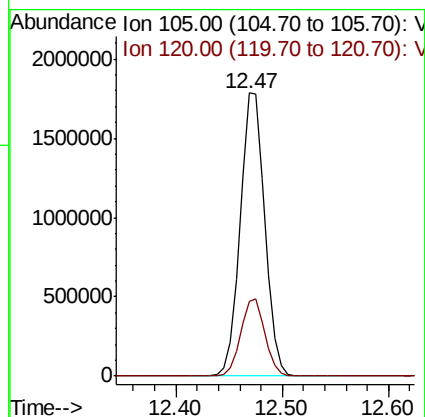
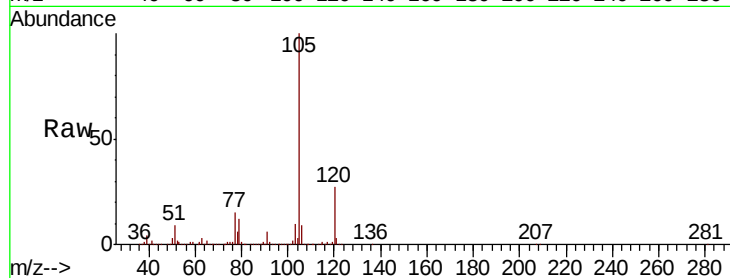
VSTDIC100

Tgt Ion:105 Resp: 2895335

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#74

N-ethyl acetate

Concen: 108.957 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Tgt Ion: 43 Resp: 588461

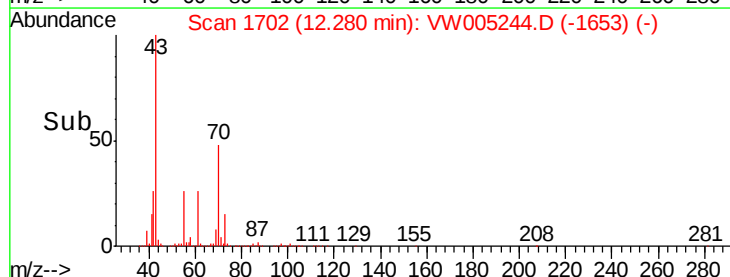
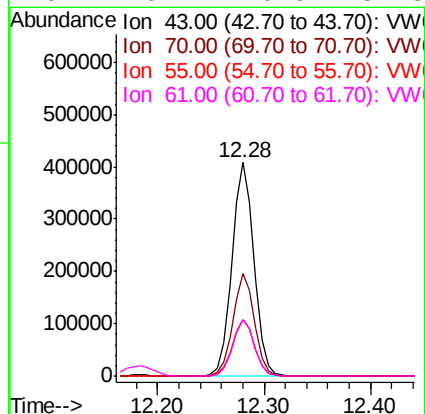
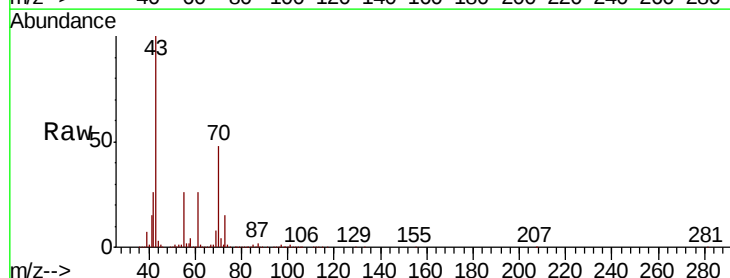
Ion Ratio Lower Upper

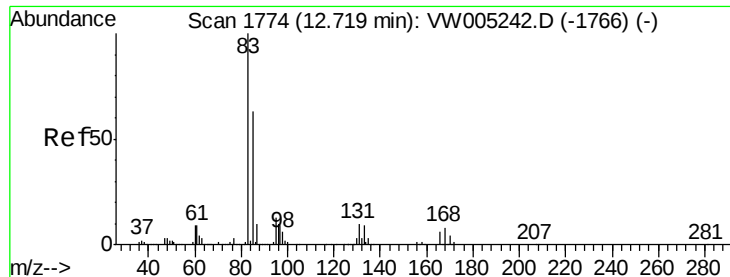
43 100

70 46.9 37.9 56.9

55 26.7 22.6 33.8

61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 100.737 ug/l

RT: 12.72 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

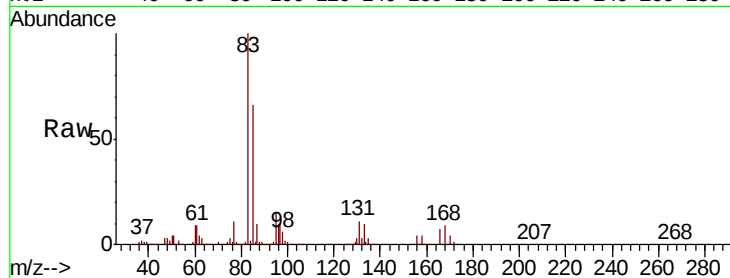
Tgt Ion: 83 Resp: 429754

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

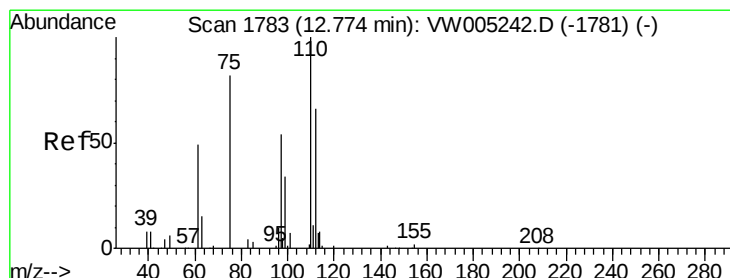
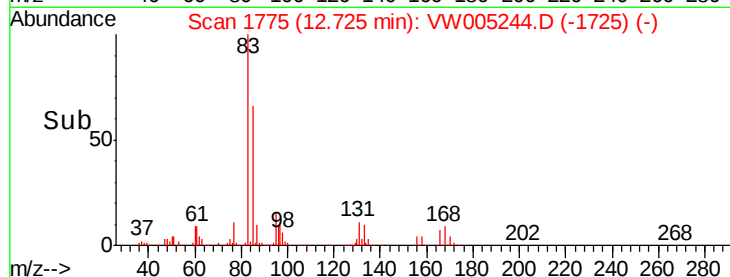
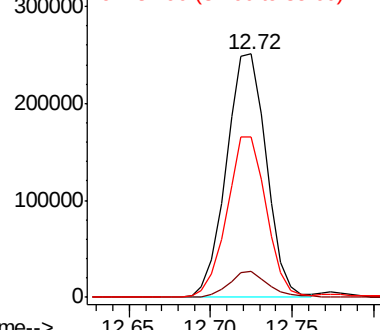
85 64.6 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 112.148 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005244.D

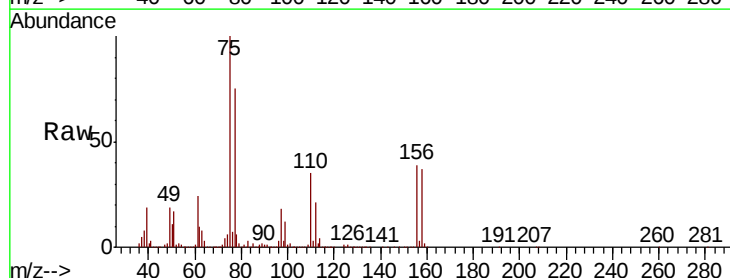
Acq: 10 Sep 2018 16:14

Tgt Ion: 75 Resp: 585224

Ion Ratio Lower Upper

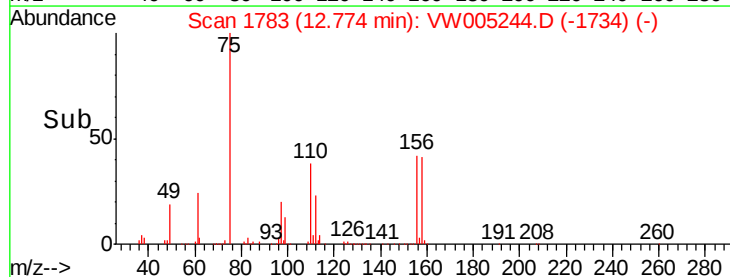
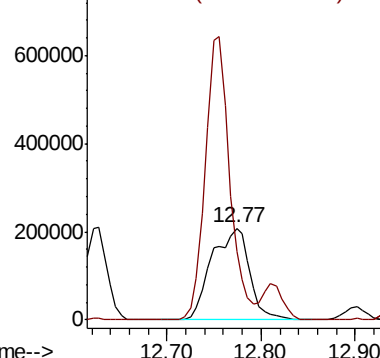
75 100

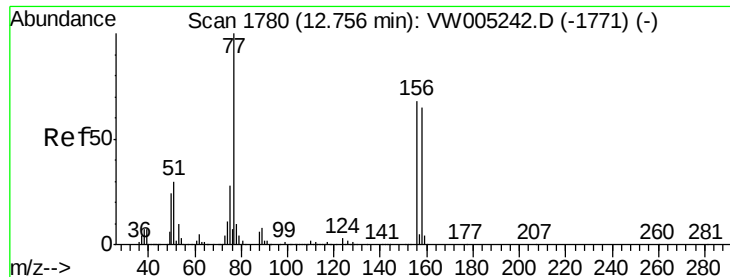
77 199.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 99.606 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

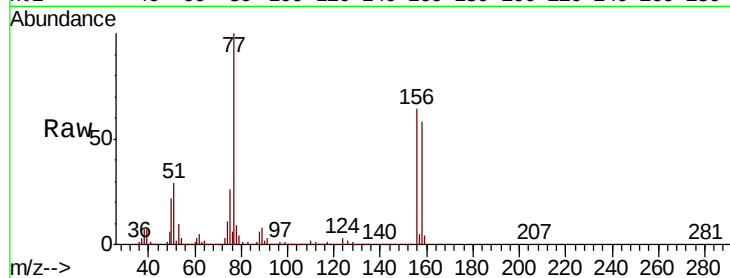
Tgt Ion: 156 Resp: 666120

Ion Ratio Lower Upper

156 100

77 174.9 86.3 258.8

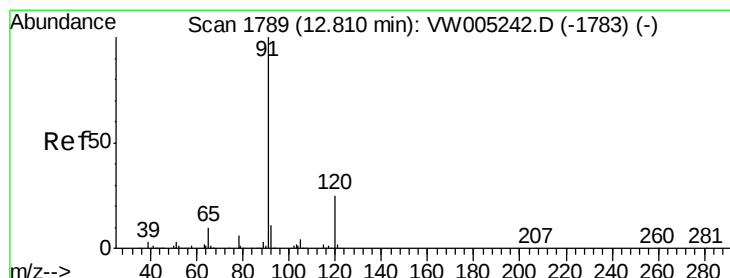
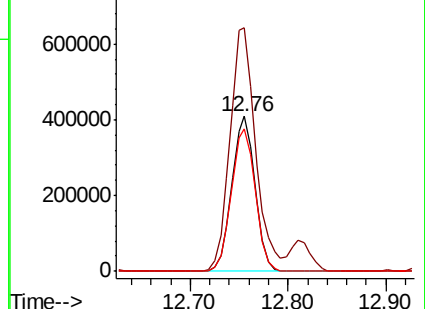
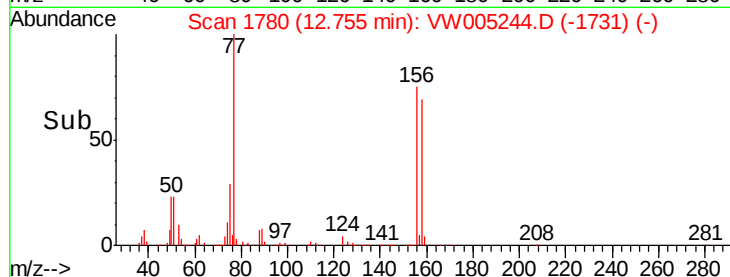
158 95.1 48.6 145.8



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: 100.691 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005244.D

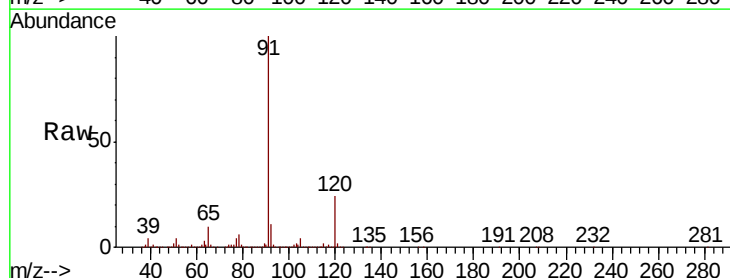
Acq: 10 Sep 2018 16:14

Tgt Ion: 91 Resp: 3432816

Ion Ratio Lower Upper

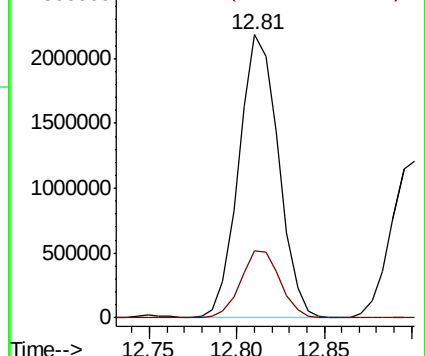
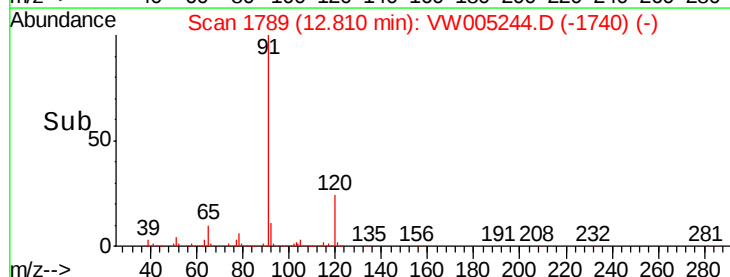
91 100

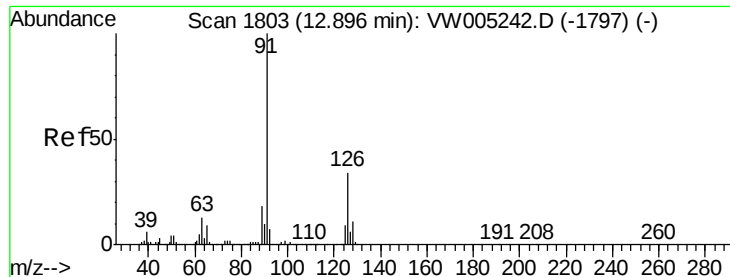
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.840 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

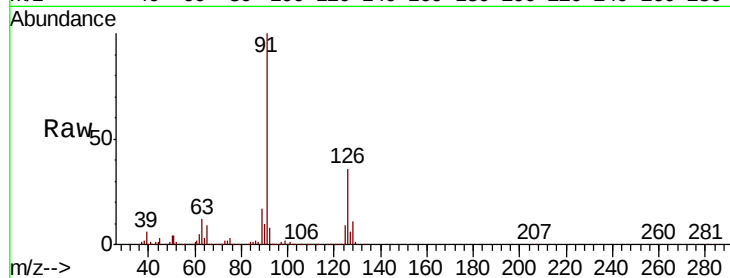
VSTDIC100

Tgt Ion: 91 Resp: 1951939

Ion Ratio Lower Upper

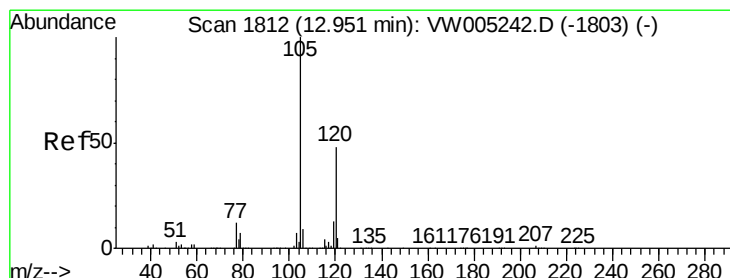
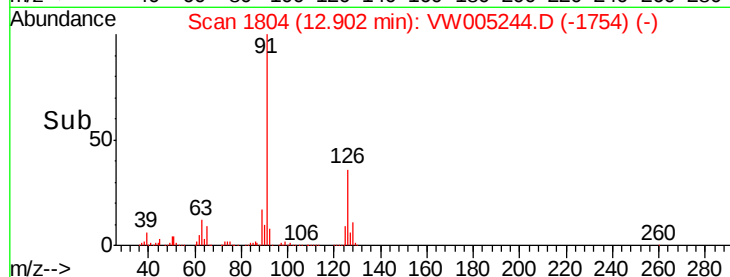
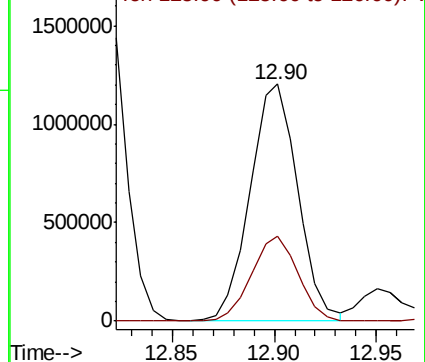
91 100

126 35.1 17.2 51.5



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: 102.900 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005244.D

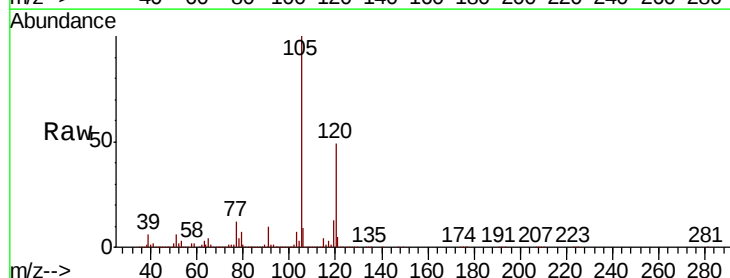
Acq: 10 Sep 2018 16:14

Tgt Ion: 105 Resp: 2487260

Ion Ratio Lower Upper

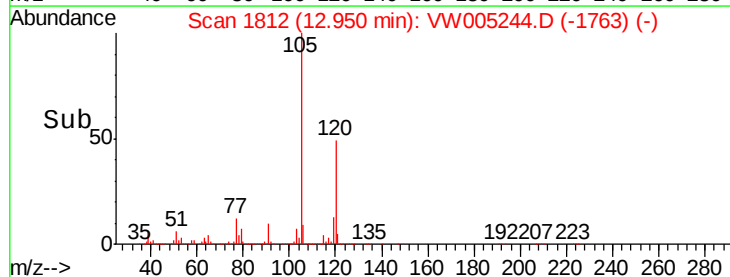
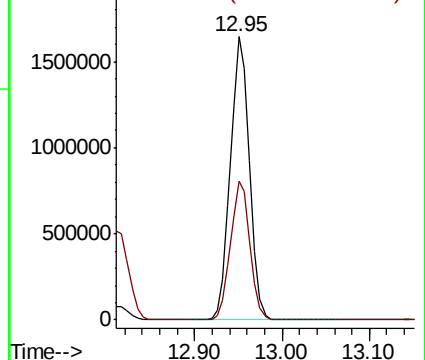
105 100

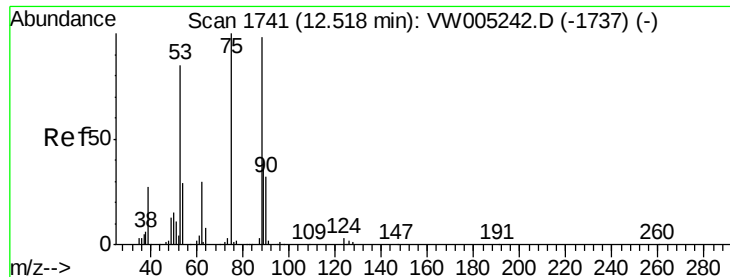
120 49.9 24.4 73.4



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: 108.285 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

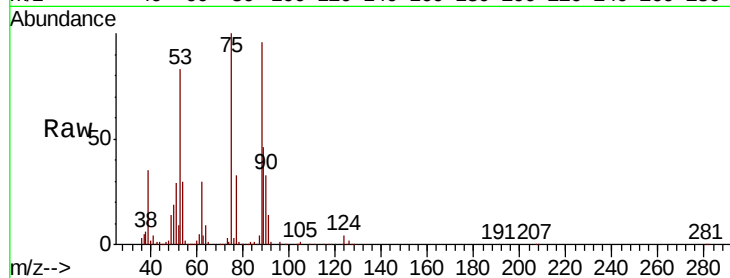
Tgt Ion: 75 Resp: 142681

Ion Ratio Lower Upper

75 100

53 82.1 67.0 100.6

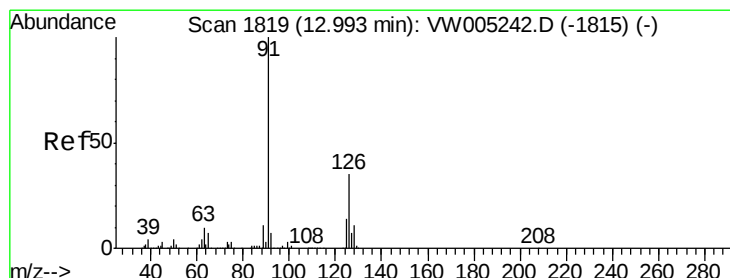
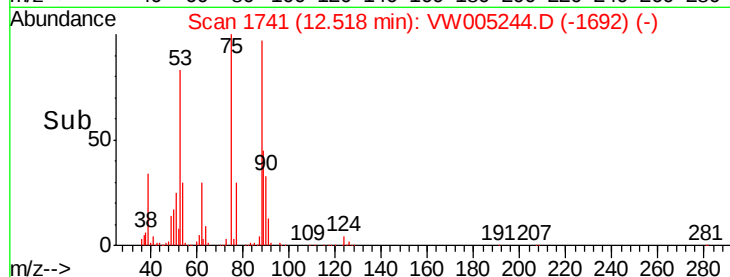
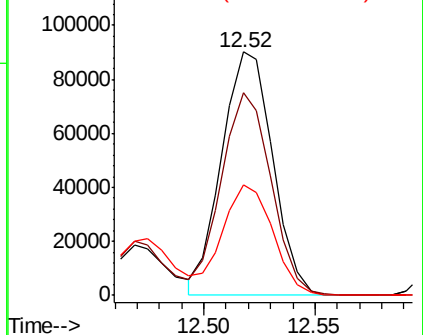
89 45.9 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 99.691 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005244.D

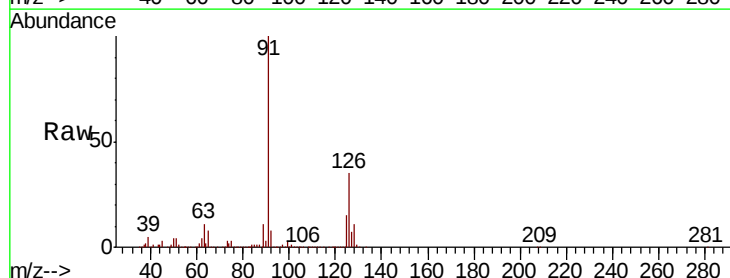
Acq: 10 Sep 2018 16:14

Tgt Ion: 91 Resp: 2048608

Ion Ratio Lower Upper

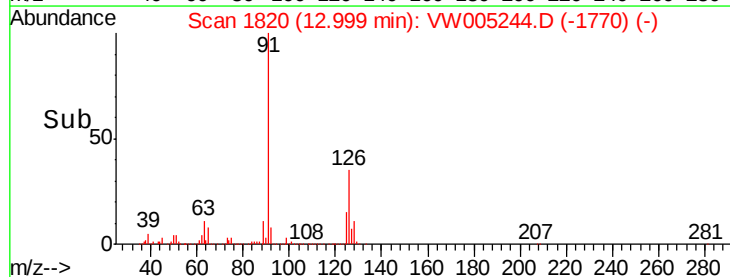
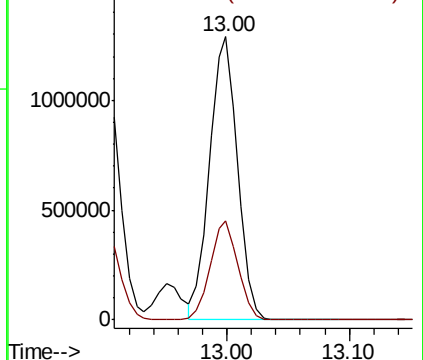
91 100

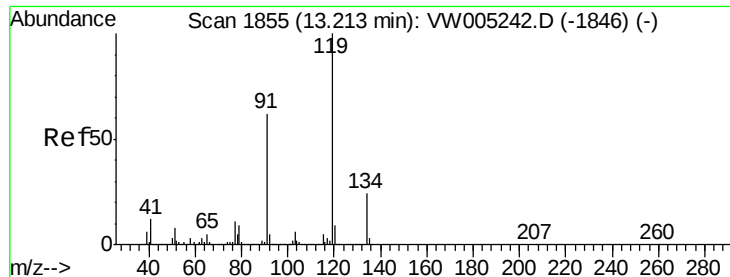
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 101.868 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

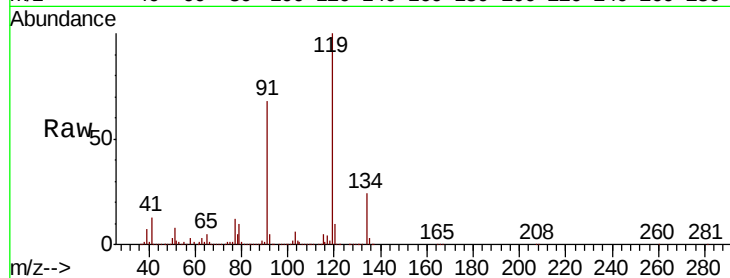
Tgt Ion:119 Resp: 2153535

Ion Ratio Lower Upper

119 100

91 62.2 31.7 95.1

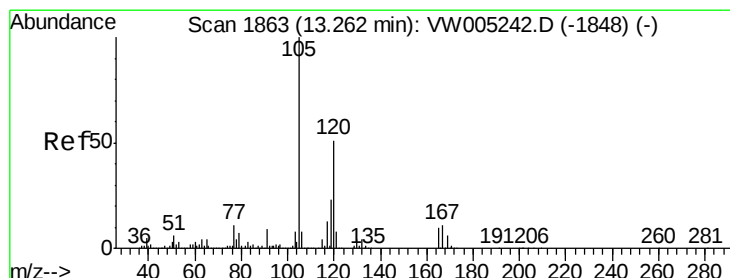
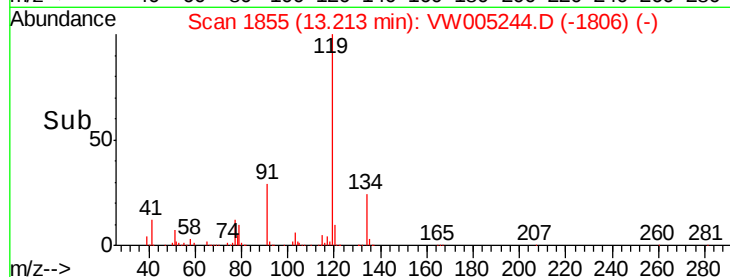
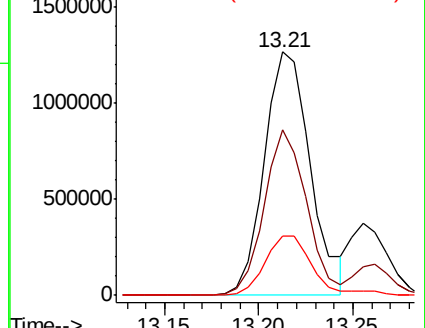
134 25.4 13.0 38.9



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: 104.095 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VW005244.D

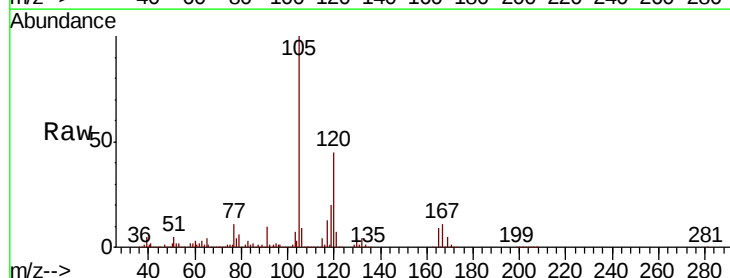
Acq: 10 Sep 2018 16:14

Tgt Ion:105 Resp: 2528461

Ion Ratio Lower Upper

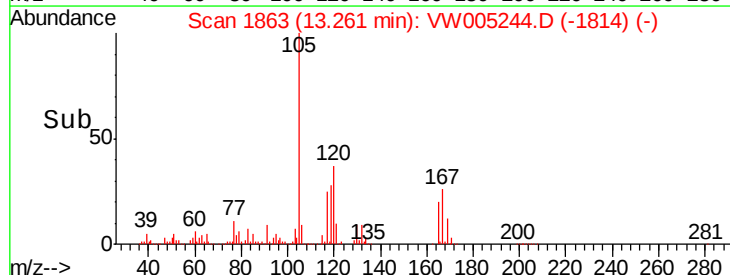
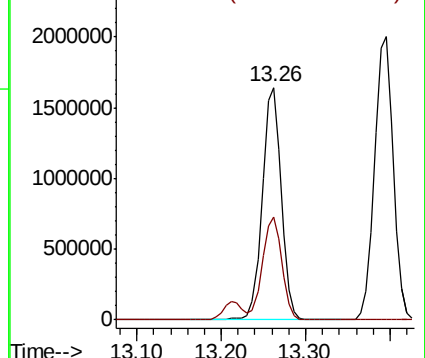
105 100

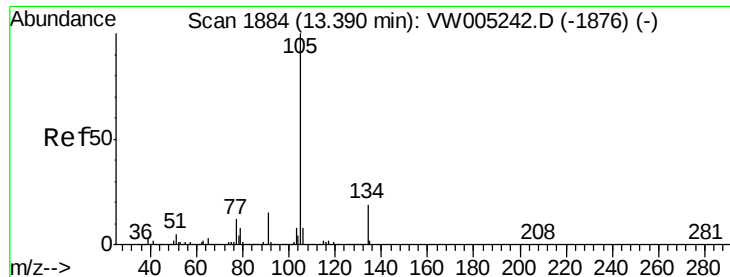
120 45.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.621 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

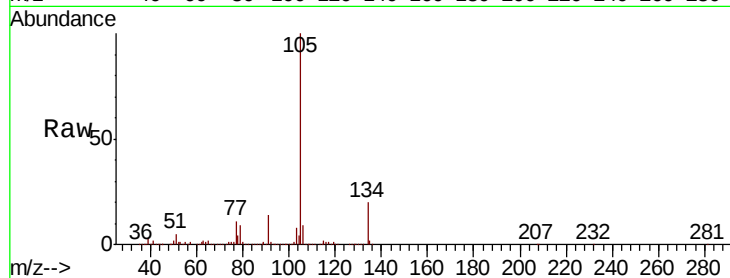
VSTDIC100

Tgt Ion:105 Resp: 3087490

Ion Ratio Lower Upper

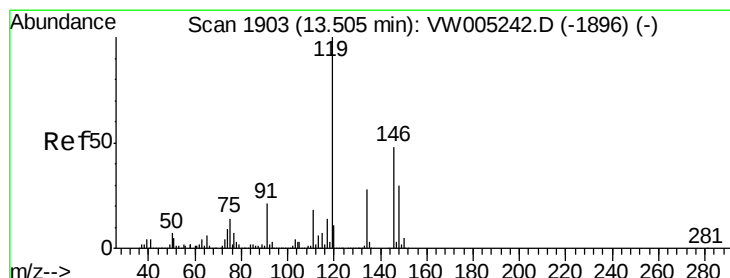
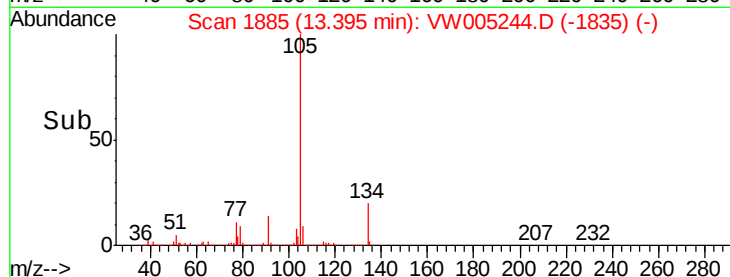
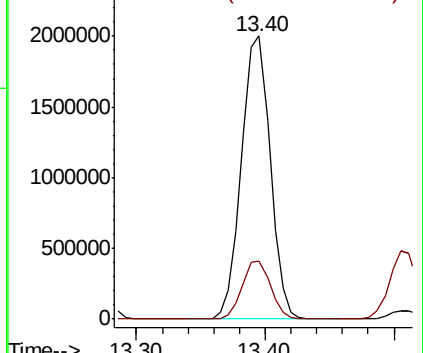
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 102.631 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

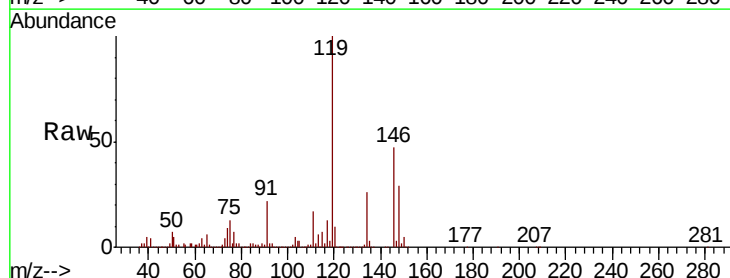
Tgt Ion:119 Resp: 2760348

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

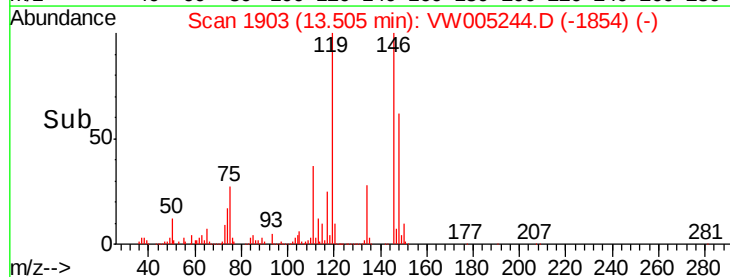
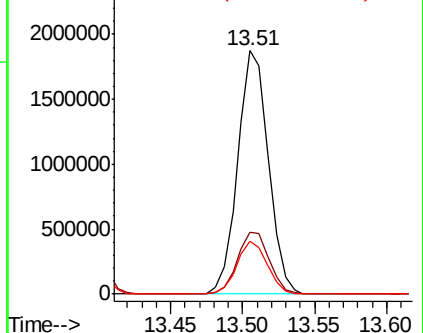
91 21.6 10.7 32.1

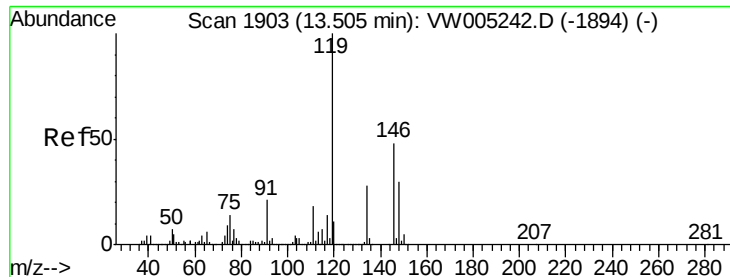


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

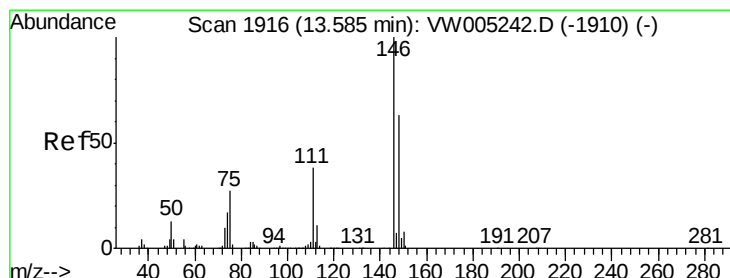
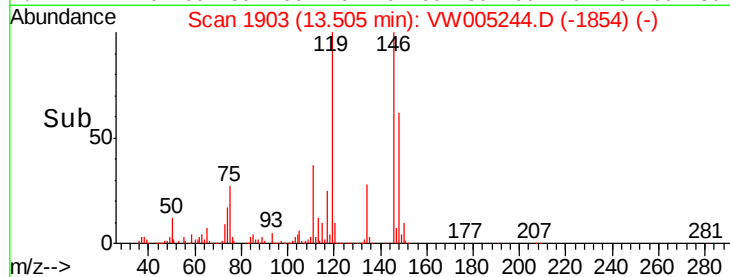
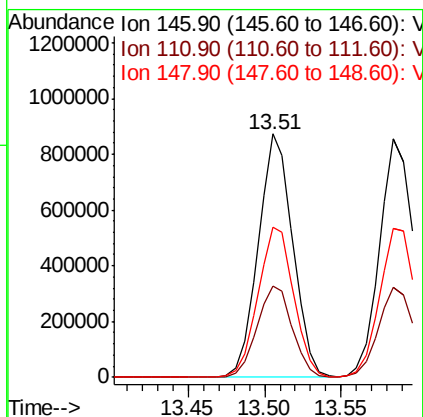
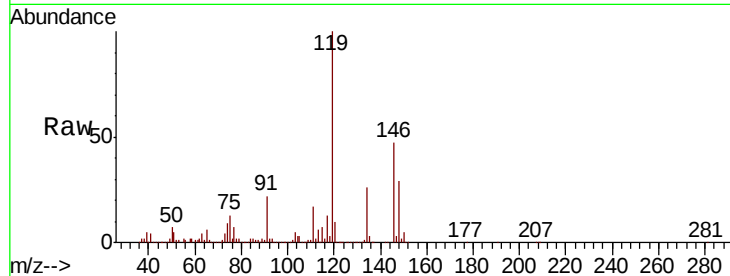




#87
 1,3-Dichlorobenzene
 Concen: 97.643 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

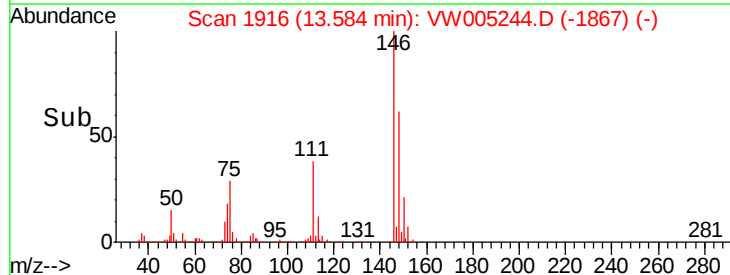
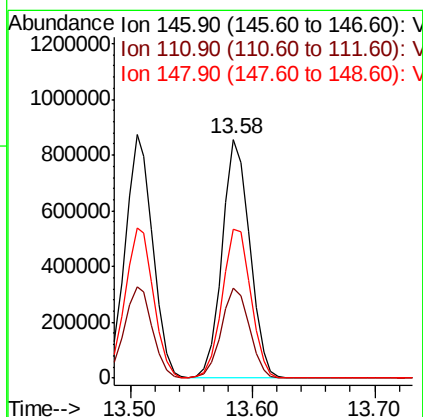
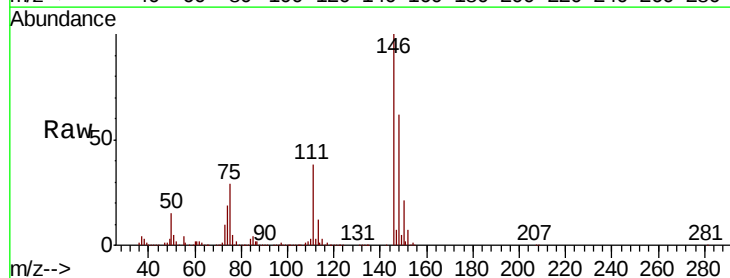
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

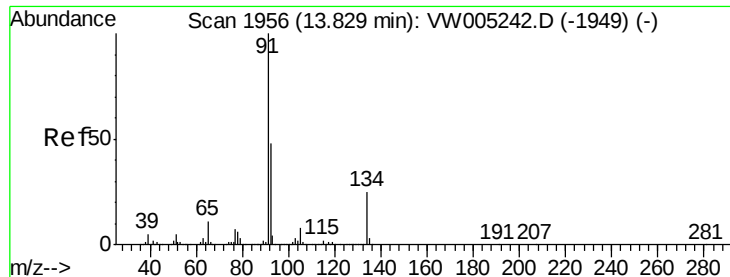
Tgt Ion:146 Resp: 1371130
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.3
 148 63.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 96.712 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion:146 Resp: 1333870
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 64.8 32.3 96.9





#89

n-Butylbenzene

Concen: 106.157 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

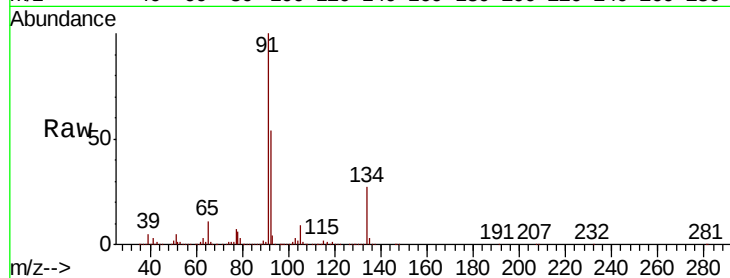
Tgt Ion: 91 Resp: 2684036

Ion Ratio Lower Upper

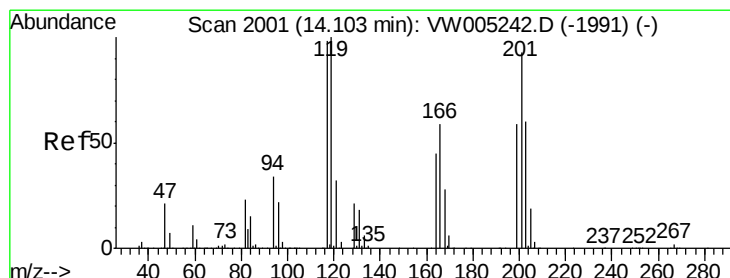
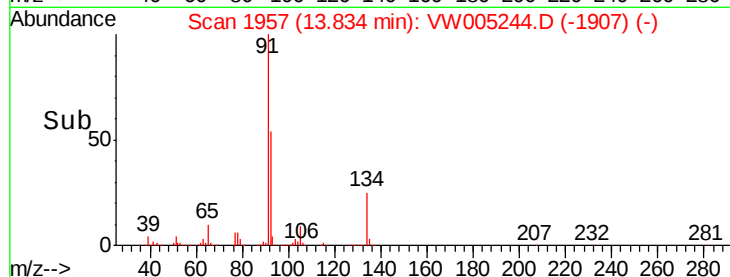
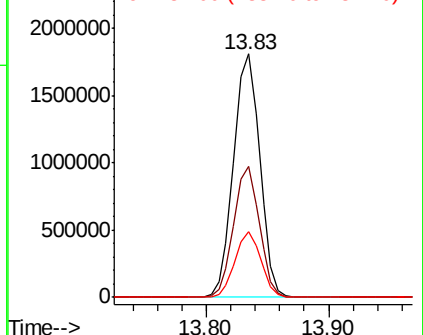
91 100

92 52.7 25.8 77.3

134 26.6 13.6 40.8



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: 102.964 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005244.D

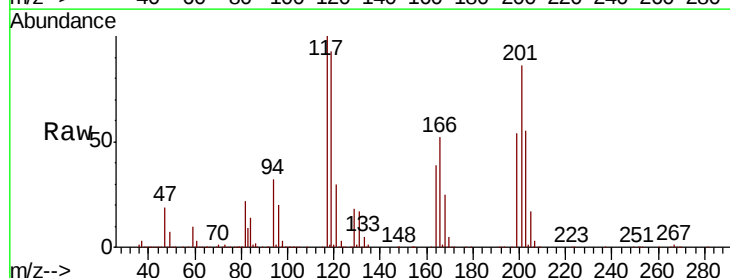
Acq: 10 Sep 2018 16:14

Tgt Ion: 117 Resp: 443685

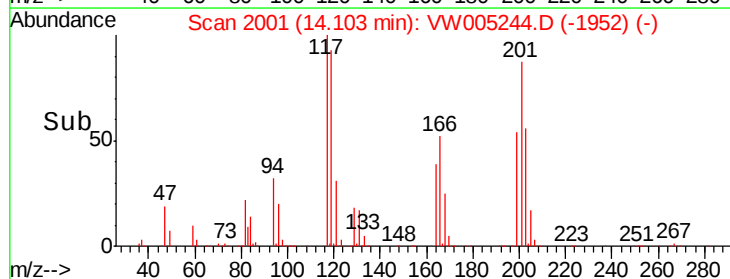
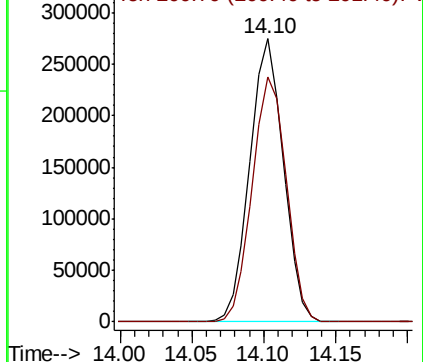
Ion Ratio Lower Upper

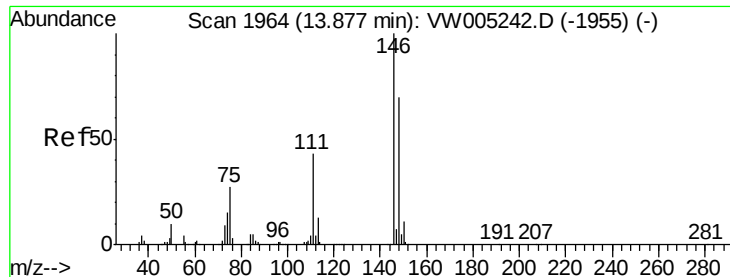
117 100

201 87.9 44.0 132.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

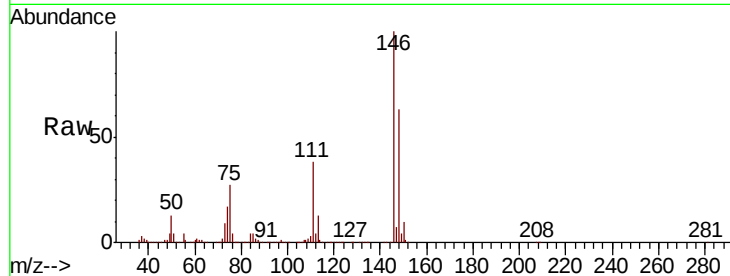




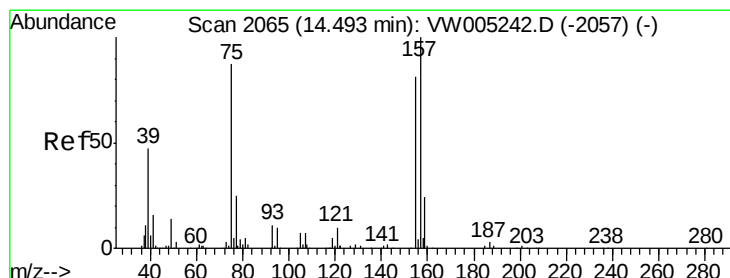
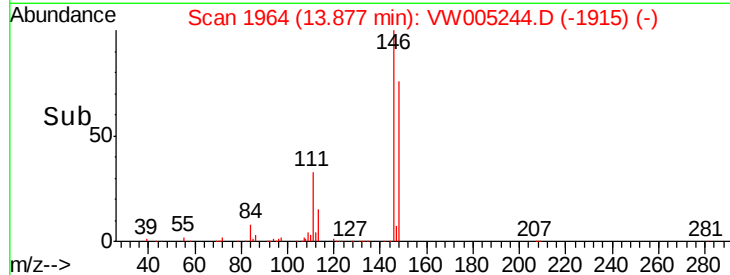
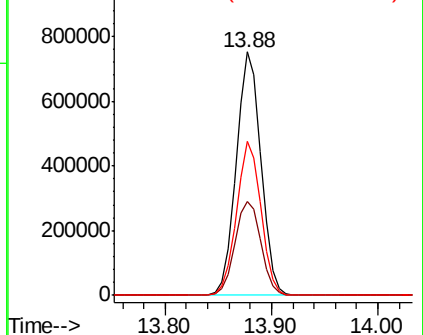
#91
 1,2-Dichlorobenzene
 Concen: 99.238 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1224857
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.5 61.5
 148 62.7 32.7 98.1

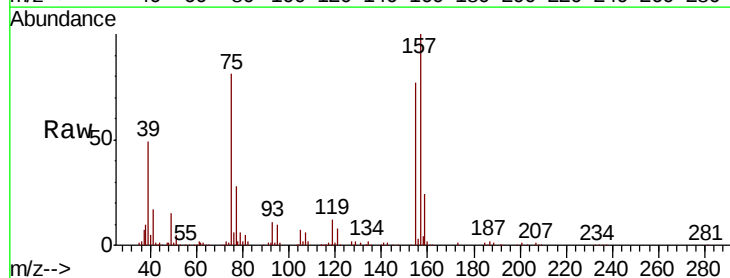


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

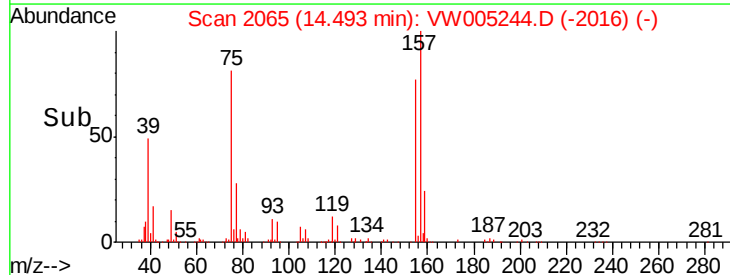
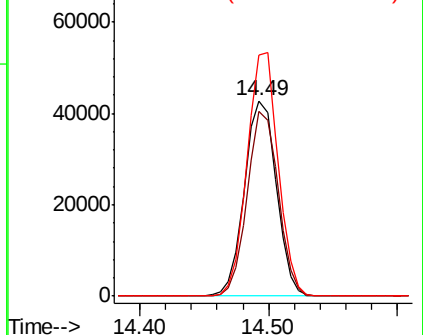


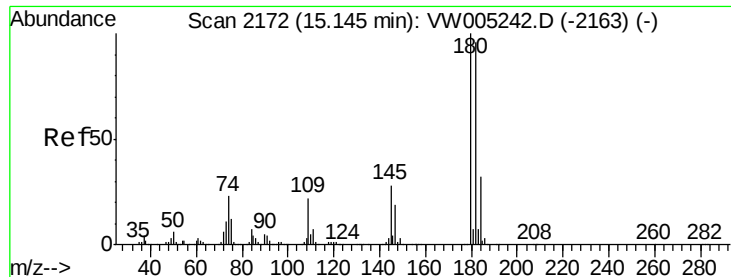
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.082 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion: 75 Resp: 73129
 Ion Ratio Lower Upper
 75 100
 155 91.6 47.4 142.2
 157 120.5 59.4 178.2



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

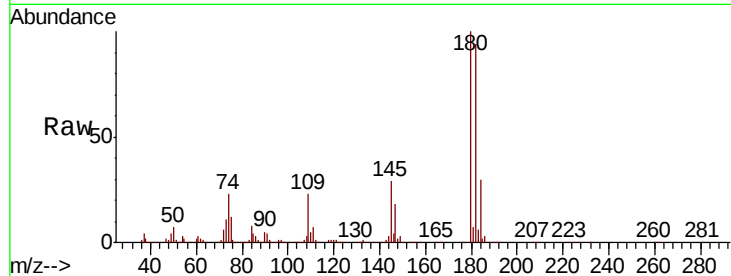




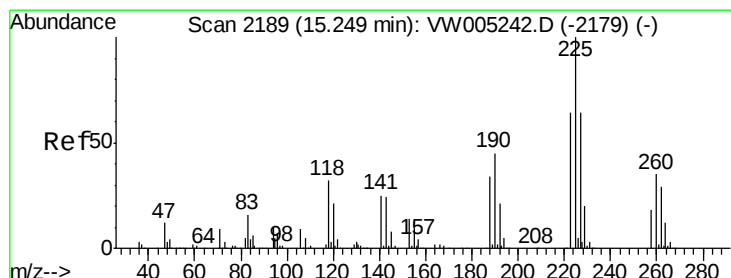
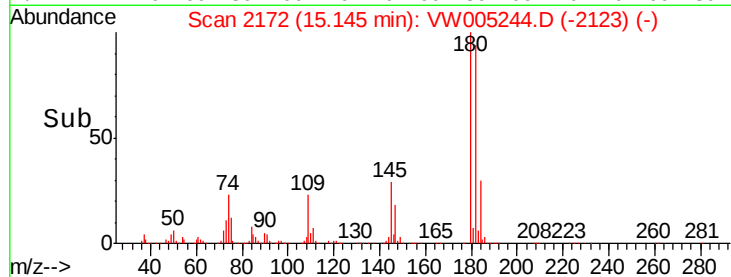
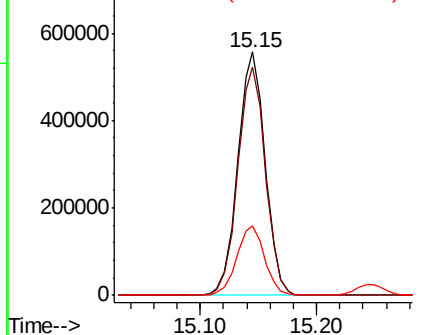
#93
 1,2,4-Trichlorobenzene
 Concen: 104.119 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.4
145	29.0	14.5	43.6

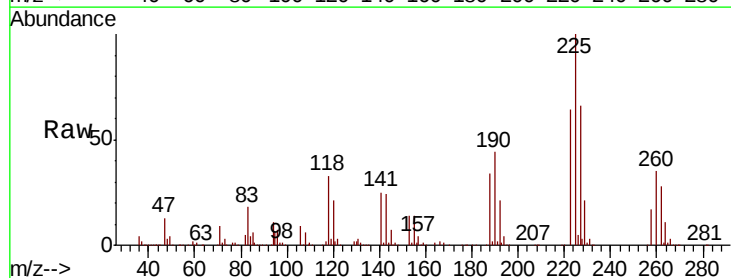


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

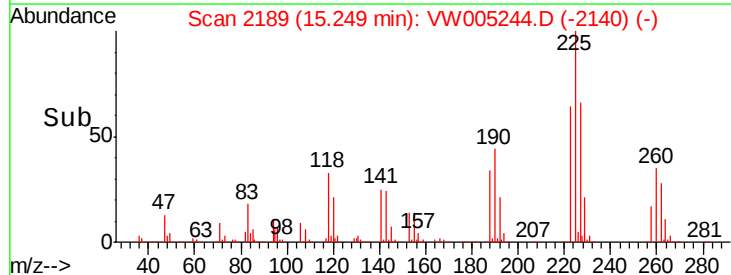
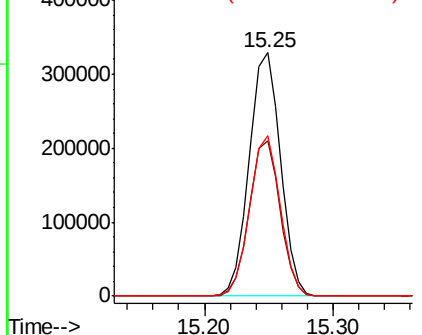


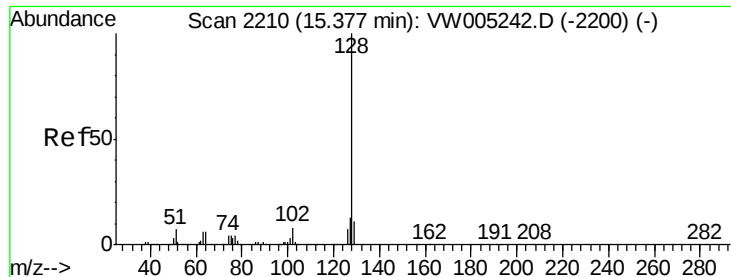
#94
 Hexachlorobutadiene
 Concen: 98.497 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: VW005244.D
 Acq: 10 Sep 2018 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	64.3	32.0	96.0



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: 112.125 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

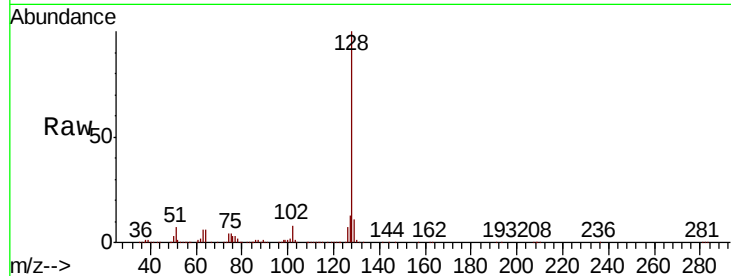
Tgt Ion:128 Resp: 1587186

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

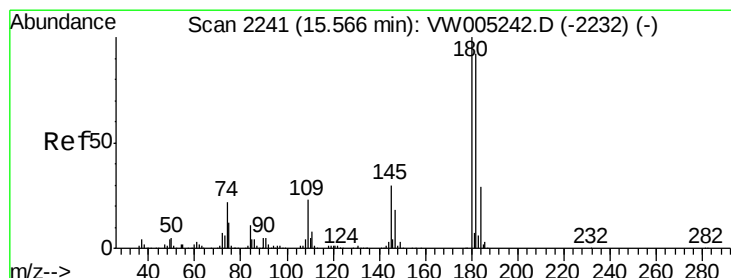
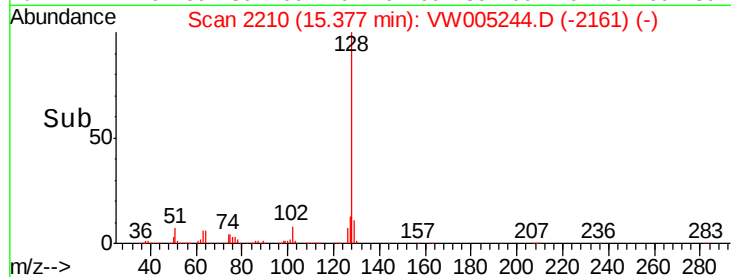
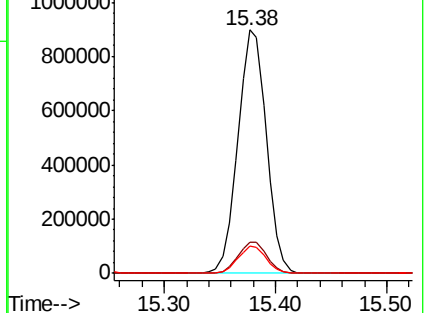
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 103.735 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005244.D

Acq: 10 Sep 2018 16:14

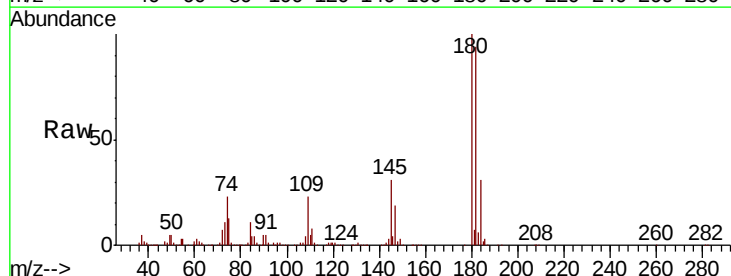
Tgt Ion:180 Resp: 779312

Ion Ratio Lower Upper

180 100

182 95.0 47.2 141.6

145 30.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

