

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
 Data File : VW004740.D
 Acq On : 17 Aug 2018 18:03
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 18 01:28:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	689192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1040648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	958941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	504271	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	661364	99.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.52%	
35) Dibromofluoromethane	7.88	113	665395	100.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.08%	
50) Toluene-d8	10.33	98	2639005	101.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.28%	
62) 4-Bromofluorobenzene	12.62	95	963718	103.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	448947	98.342	ug/l	99
3) Chloromethane	2.22	50	606136	101.551	ug/l	99
4) Vinyl Chloride	2.37	62	859747	97.857	ug/l	99
5) Bromomethane	2.78	94	530872	97.838	ug/l	99
6) Chloroethane	2.92	64	529907	99.959	ug/l	99
7) Trichlorofluoromethane	3.25	101	406208	98.142	ug/l	99
8) Diethyl Ether	3.68	74	369564	98.755	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	694818	97.487	ug/l	99
10) Methyl Iodide	4.27	142	1092410	100.923	ug/l	99
11) Tert butyl alcohol	5.22	59	191779	511.161	ug/l	100
12) 1,1-Dichloroethene	4.04	96	699671	98.513	ug/l	97
13) Acrolein	3.89	56	235474	471.380	ug/l	100
14) Allyl chloride	4.66	41	1112116	103.182	ug/l	99
15) Acrylonitrile	5.37	53	809415	515.749	ug/l	100
16) Acetone	4.14	43	778062	457.434	ug/l	99
17) Carbon Disulfide	4.38	76	2327449	99.718	ug/l	100
18) Methyl Acetate	4.67	43	370909	101.758	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	970164	105.229	ug/l	97
20) Methylene Chloride	4.92	84	745029	80.255	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	760922	100.694	ug/l	99
22) Diisopropyl ether	6.31	45	2158515	104.193	ug/l	99
23) Vinyl Acetate	6.26	43	6437377	549.367	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1340254	99.556	ug/l	100
25) 2-Butanone	7.18	43	1263858	521.501	ug/l	99
26) 2,2-Dichloropropane	7.17	77	720053	92.603	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	829646	101.982	ug/l	100
28) Bromochloromethane	7.51	49	570010	100.547	ug/l	99
29) Tetrahydrofuran	7.54	42	668736	541.136	ug/l	99
30) Chloroform	7.68	83	1305168	98.576	ug/l	98
31) Cyclohexane	7.96	56	1266605	97.270	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1033214	98.445	ug/l	99
36) 1,1-Dichloropropene	8.09	75	1079514	100.696	ug/l	100
37) Ethyl Acetate	7.26	43	442318	103.502	ug/l	99
38) Carbon Tetrachloride	8.07	117	983066	99.619	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1416588	105.662	ug/l	98
40) Benzene	8.32	78	3123337	100.249	ug/l	100
41) Methacrylonitrile	7.49	41	258083	106.413	ug/l	96
42) 1,2-Dichloroethane	8.40	62	800317	100.174	ug/l	100
43) Isopropyl Acetate	8.43	43	841988	109.688	ug/l	99
44) Trichloroethene	9.09	130	791758	100.112	ug/l	97
45) 1,2-Dichloropropane	9.37	63	769115	100.921	ug/l	99
46) Dibromomethane	9.46	93	379706	100.570	ug/l	99
47) Bromodichloromethane	9.65	83	922825	102.344	ug/l	99
48) Methyl methacrylate	9.44	41	400874	111.294	ug/l	99
49) 1,4-Dioxane	9.47	88	121767	2207.503	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	2812127	542.053	ug/l	100
52) Toluene	10.39	92	1889174	101.104	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	964236	106.140	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	1145968	105.812	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	539281	100.485	ug/l	99
56) Ethyl methacrylate	10.65	69	722094	113.899	ug/l	99
57) 1,3-Dichloropropane	10.93	76	943928	101.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1665424	561.906	ug/l	100
59) 2-Hexanone	10.98	43	1927142	548.237	ug/l	99
60) Dibromochloromethane	11.13	129	620293	103.018	ug/l	99
61) 1,2-Dibromoethane	11.24	107	518188	101.011	ug/l	100
64) Tetrachloroethene	10.87	164	652059	99.496	ug/l	99
65) Chlorobenzene	11.66	112	2062377	99.924	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	718774	103.140	ug/l	98
67) Ethyl Benzene	11.74	91	3660373	104.613	ug/l	100
68) m/p-Xylenes	11.85	106	2839871	208.616	ug/l	100
69) o-Xylene	12.17	106	1356318	107.627	ug/l	98
70) Styrene	12.19	104	2267297	107.106	ug/l	99
71) Bromoform	12.35	173	388782	105.696	ug/l #	98
73) Isopropylbenzene	12.47	105	3696686	107.756	ug/l	100
74) N-amyl acetate	12.28	43	826989	114.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	656091	103.238	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	863182	115.564	ug/l #	100
77) Bromobenzene	12.75	156	856710	103.171	ug/l	100
78) n-propylbenzene	12.81	91	4454113	106.398	ug/l	100
79) 2-Chlorotoluene	12.90	91	2531130	104.895	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	3127173	107.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	213170	111.459	ug/l	98
82) 4-Chlorotoluene	12.99	91	2655427	103.573	ug/l	100
83) tert-Butylbenzene	13.21	119	2705594	108.533	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	3190745	106.409	ug/l	100
85) sec-Butylbenzene	13.39	105	3940772	105.881	ug/l	100
86) p-Isopropyltoluene	13.51	119	3472001	107.213	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1715802	101.584	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1689026	100.039	ug/l	99
89) n-Butylbenzene	13.83	91	3336075	106.547	ug/l	99
90) Hexachloroethane	14.10	117	619562	104.959	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	1545808	101.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	107643	108.378	ug/l	98

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QLast Update : Sat Aug 18 01:25:38 2018
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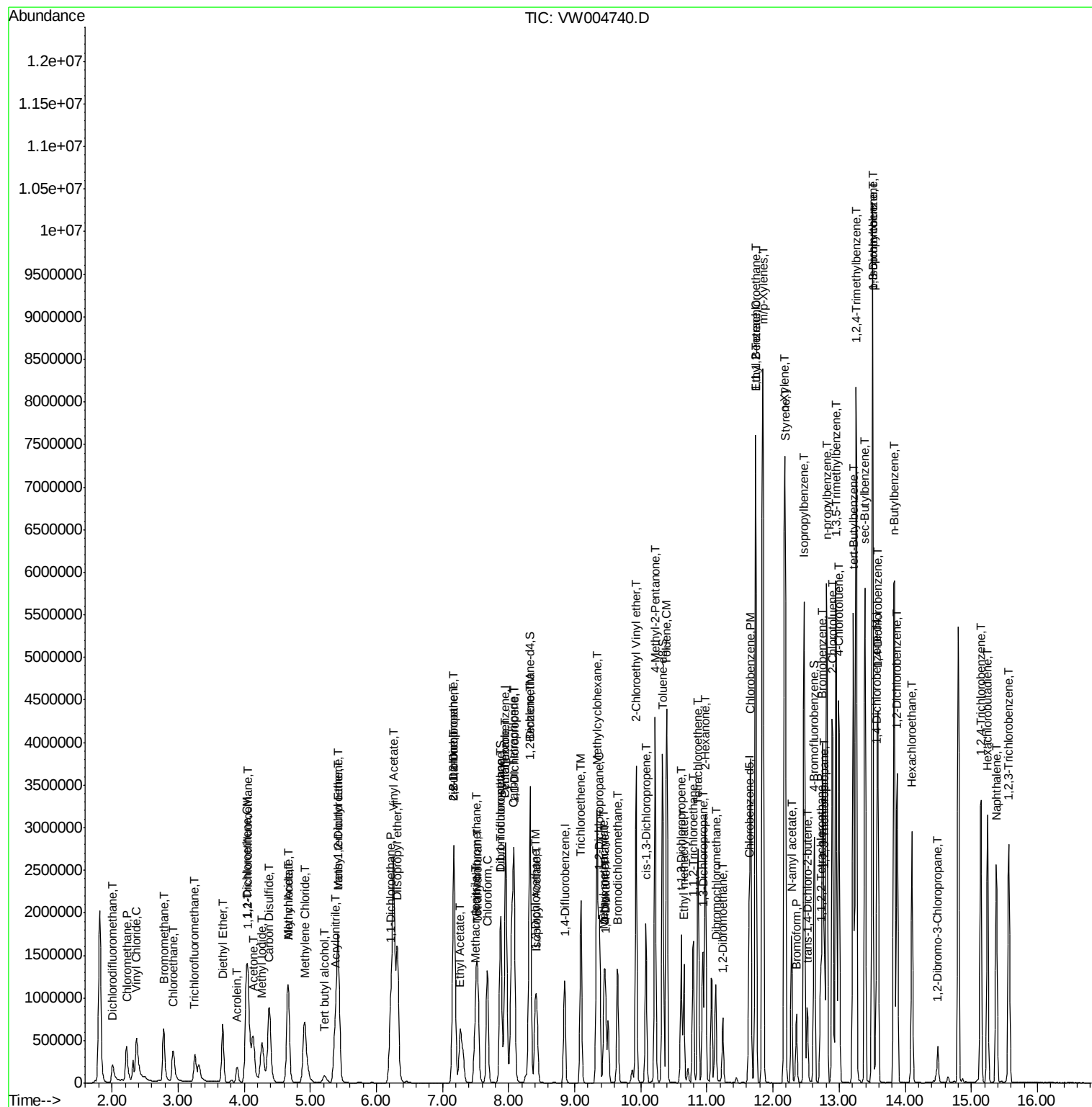
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	1148997	107.082	ug/l	99
94) Hexachlorobutadiene	15.25	225	660317	100.260	ug/l	98
95) Naphthalene	15.38	128	2179880	117.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1022449	107.453	ug/l	99

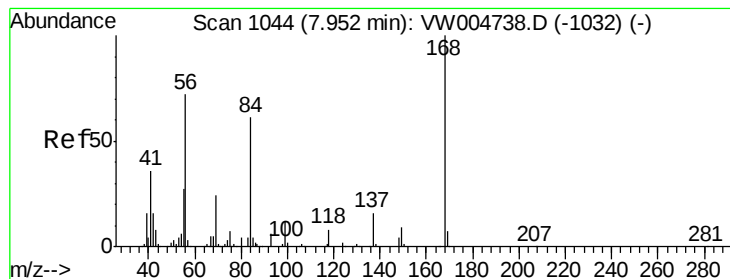
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
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Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
VSTDICC100

Quant Time: Aug 18 01:28:08 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

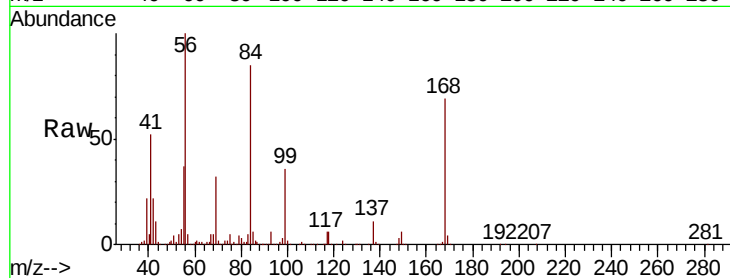
VSTDICC100

Tgt Ion:168 Resp: 689192

Ion Ratio Lower Upper

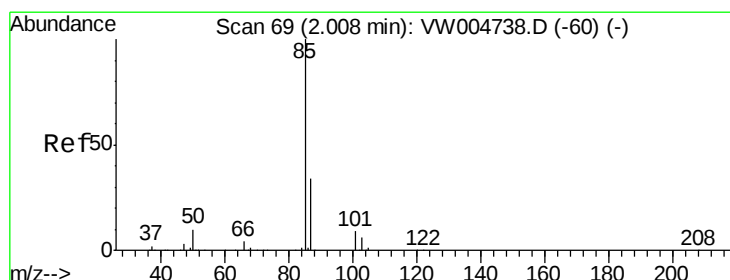
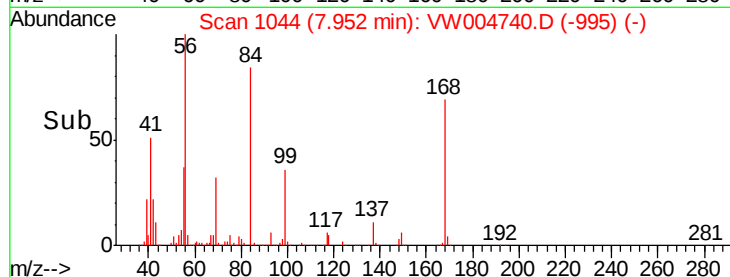
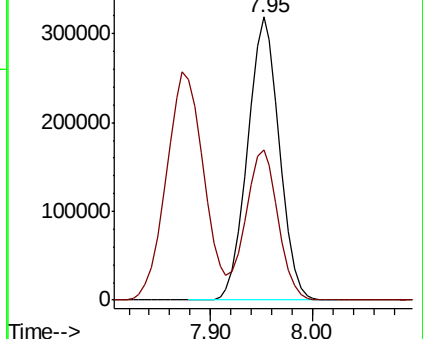
168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 98.342 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004740.D

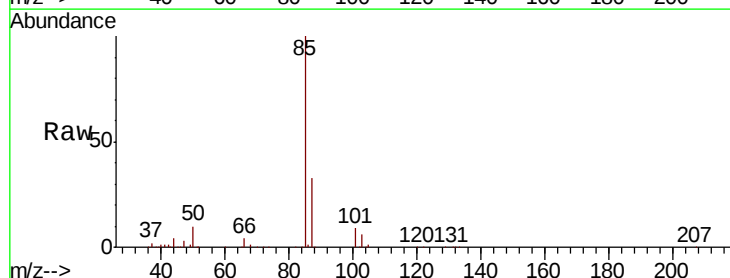
Acq: 17 Aug 2018 18:03

Tgt Ion: 85 Resp: 448947

Ion Ratio Lower Upper

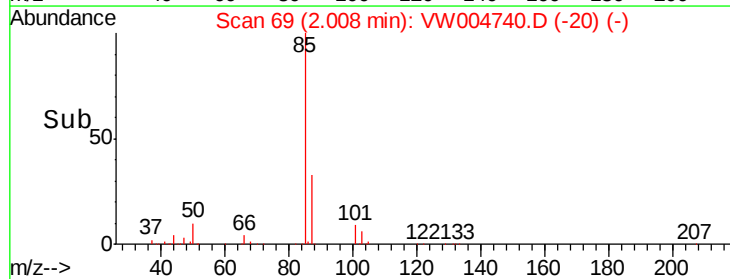
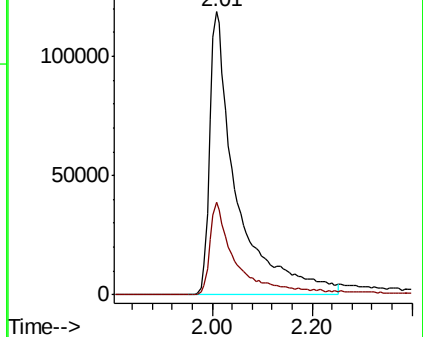
85 100

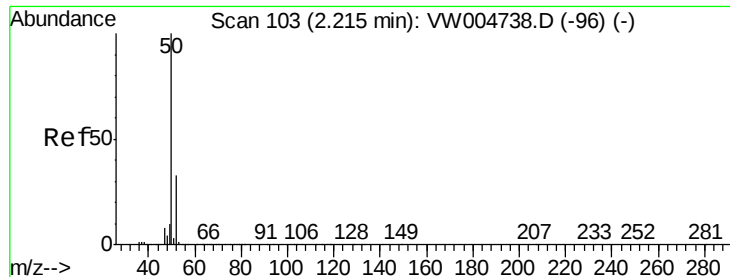
87 32.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

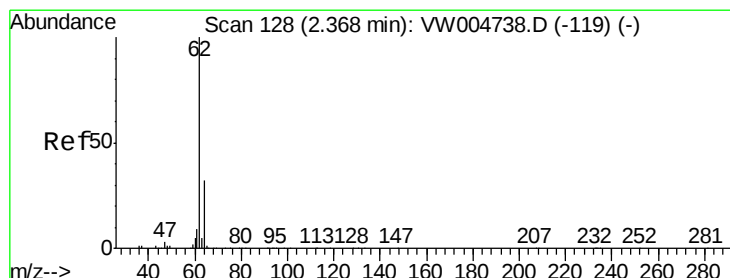
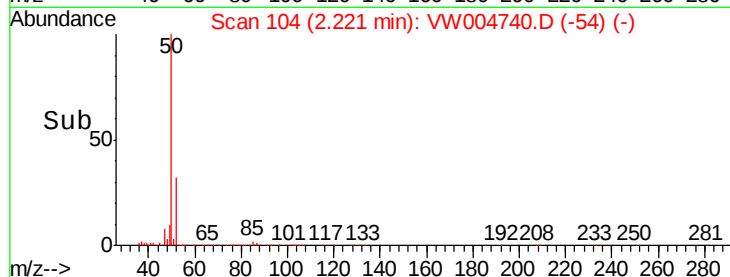
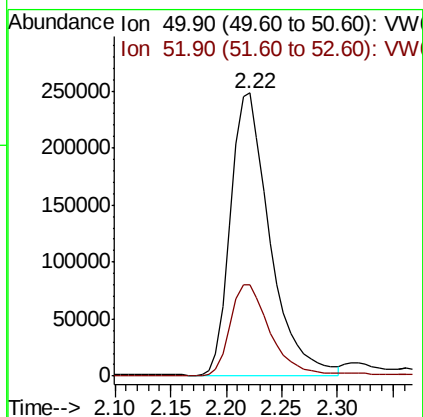
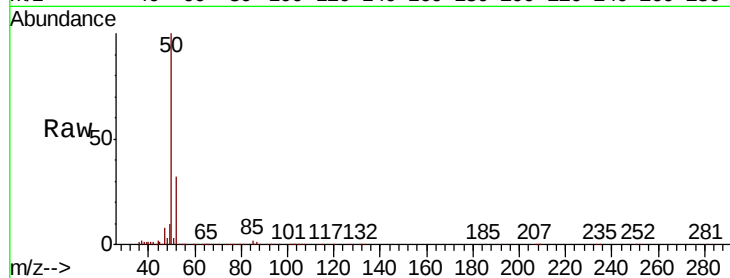




#3
Chloromethane
Concen: 101.551 ug/l
RT: 2.22 min Scan# 104
Delta R.T. 0.01 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

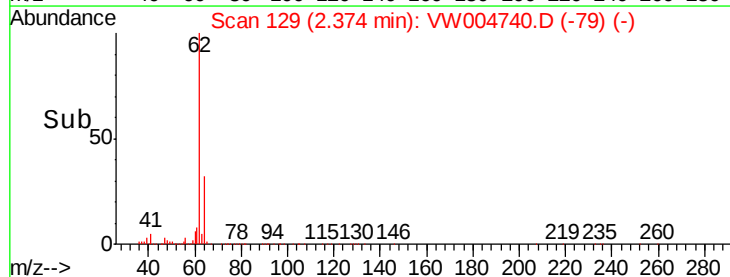
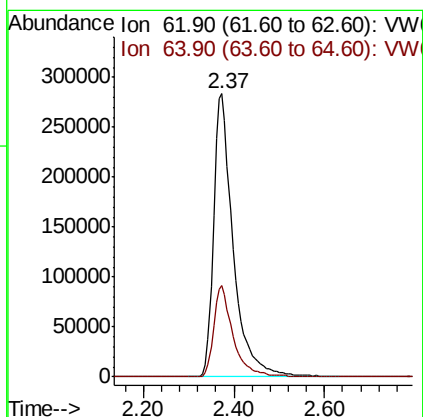
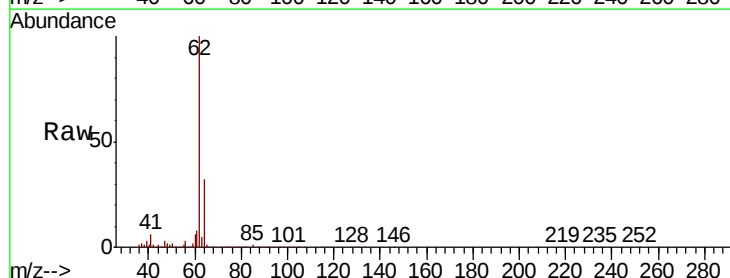
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

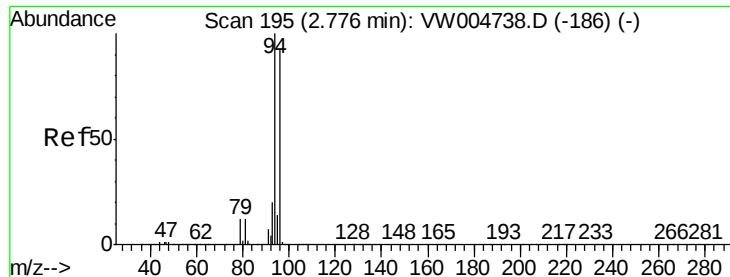
Tgt Ion: 50 Resp: 606136
Ion Ratio Lower Upper
50 100
52 32.6 26.7 40.1



#4
Vinyl Chloride
Concen: 97.857 ug/l
RT: 2.37 min Scan# 129
Delta R.T. 0.01 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 62 Resp: 859747
Ion Ratio Lower Upper
62 100
64 32.1 25.2 37.8





#5

Bromomethane

Concen: 97.838 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

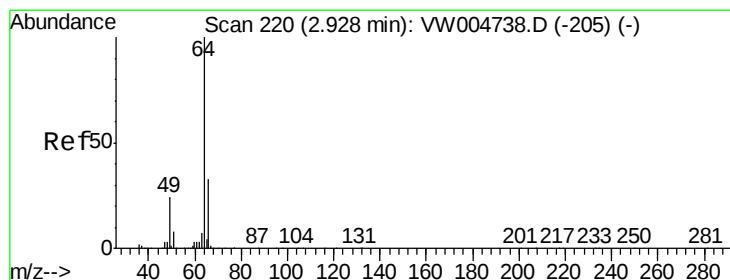
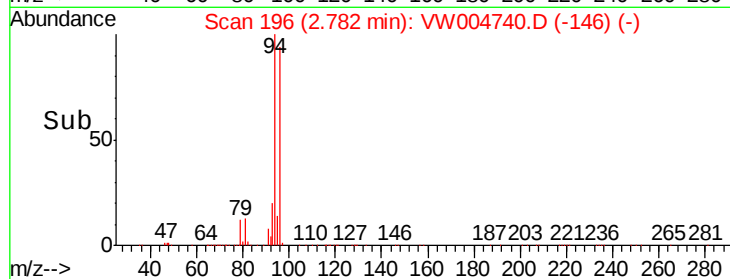
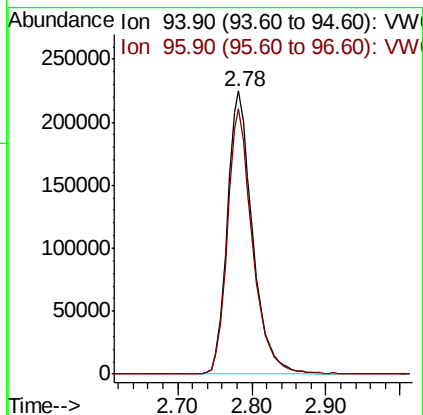
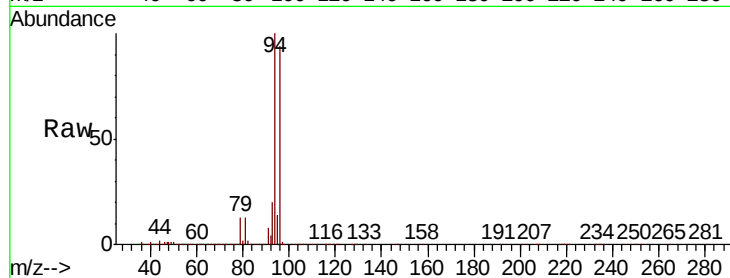
VSTDIC100

Tgt Ion: 94 Resp: 530872

Ion Ratio Lower Upper

94 100

96 93.6 74.3 111.5



#6

Chloroethane

Concen: 99.959 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004740.D

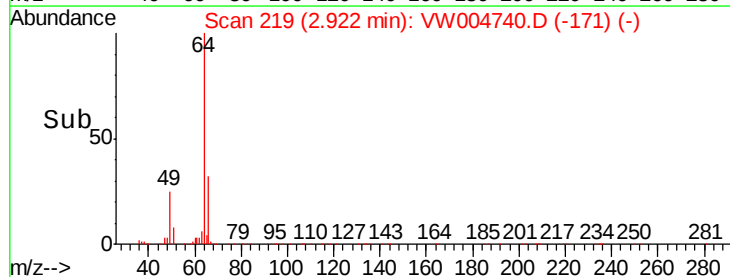
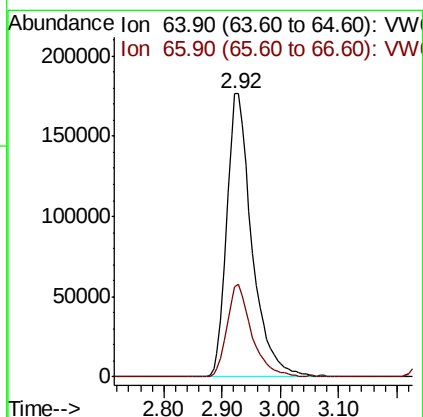
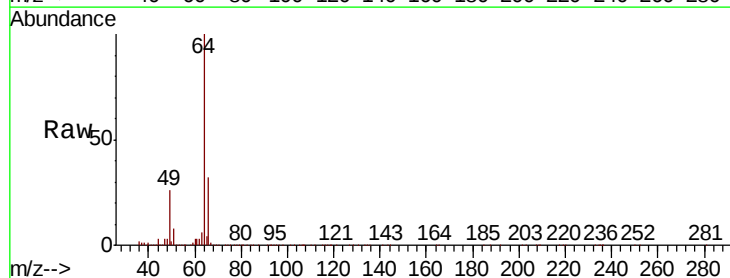
Acq: 17 Aug 2018 18:03

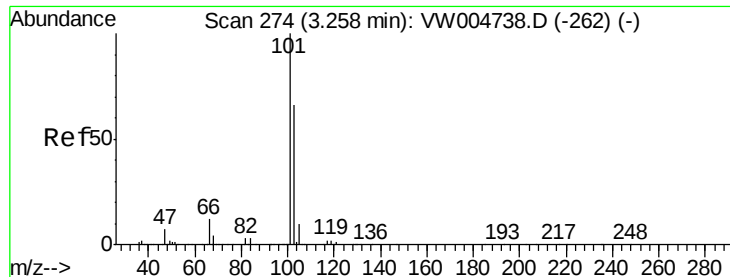
Tgt Ion: 64 Resp: 529907

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



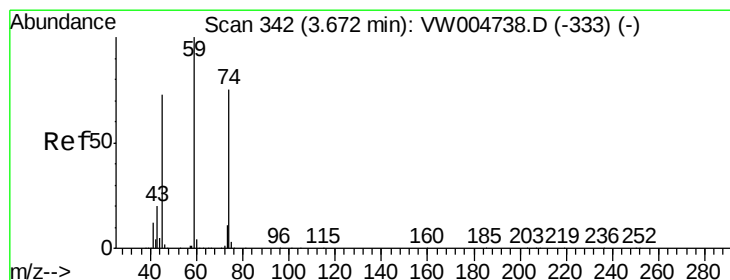
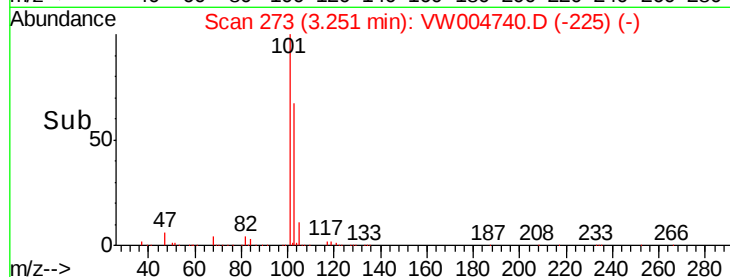
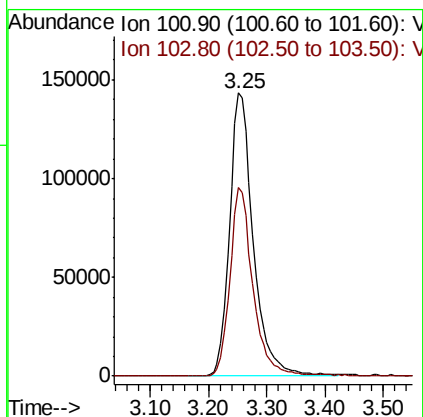
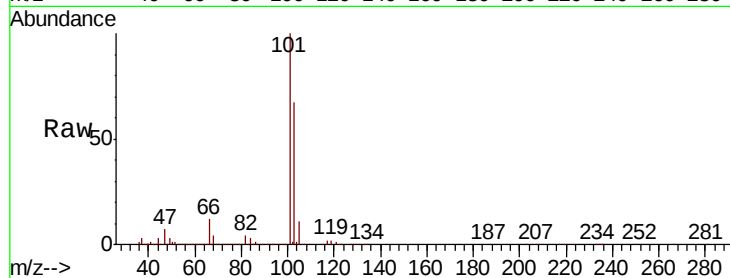


#7

Trichlorofluoromethane
 Concen: 98.142 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Instrument :
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 VSTDIC100

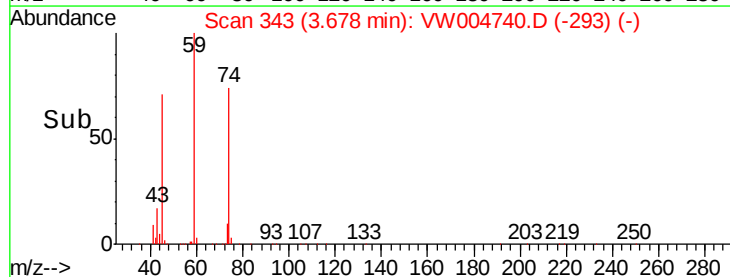
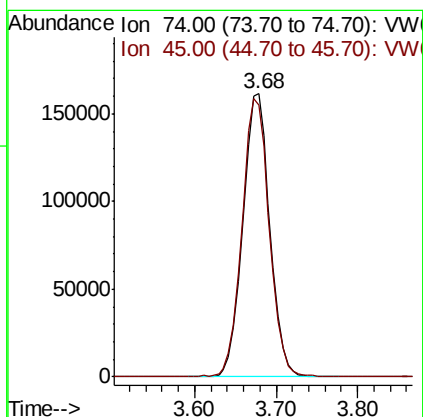
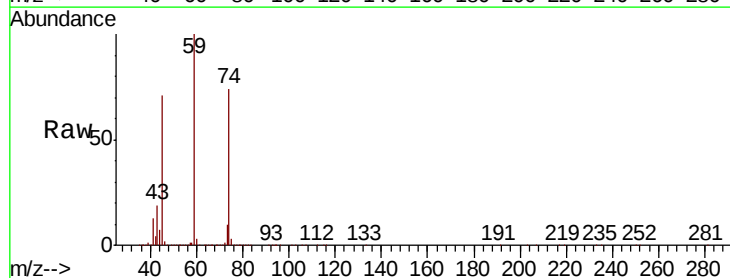
Tgt Ion:101 Resp: 406208
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.5 78.7

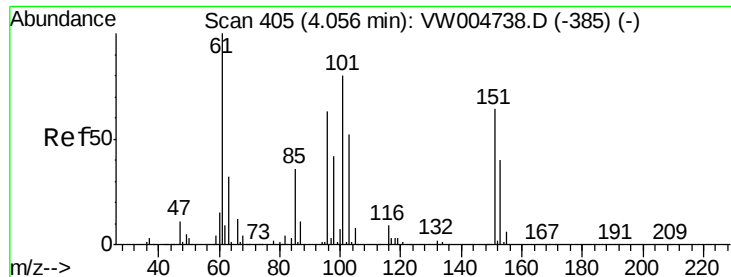


#8

Diethyl Ether
 Concen: 98.755 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 74 Resp: 369564
 Ion Ratio Lower Upper
 74 100
 45 99.2 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.487 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

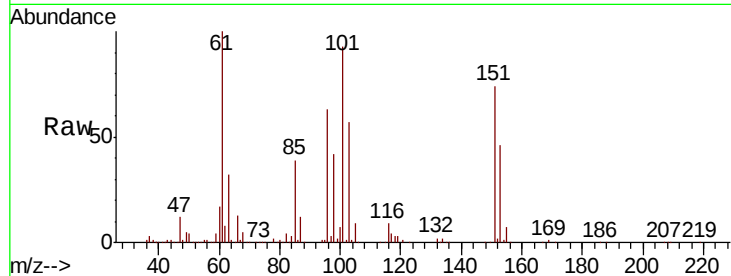
Tgt Ion:101 Resp: 694818

Ion Ratio Lower Upper

101 100

85 42.7 33.9 50.9

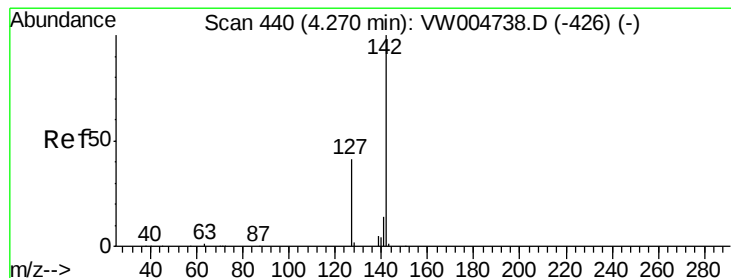
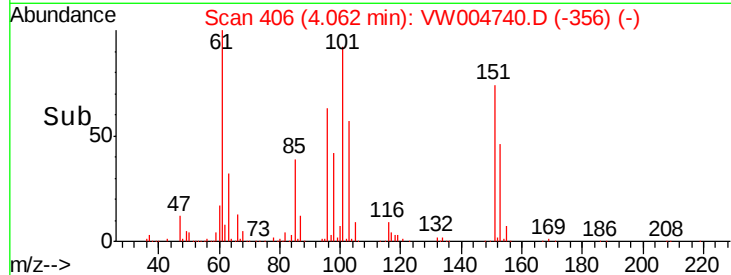
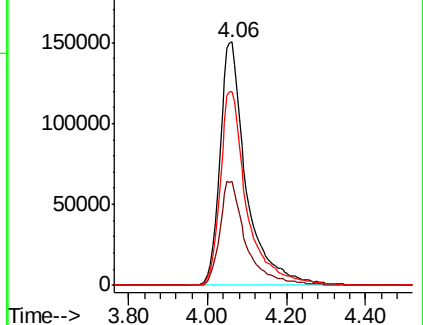
151 80.4 63.4 95.2



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: 100.923 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

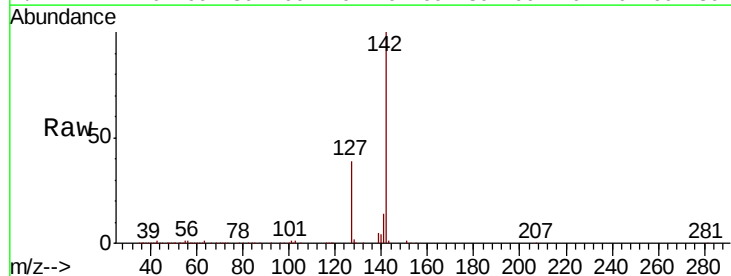
Tgt Ion:142 Resp: 1092410

Ion Ratio Lower Upper

142 100

127 39.4 32.1 48.1

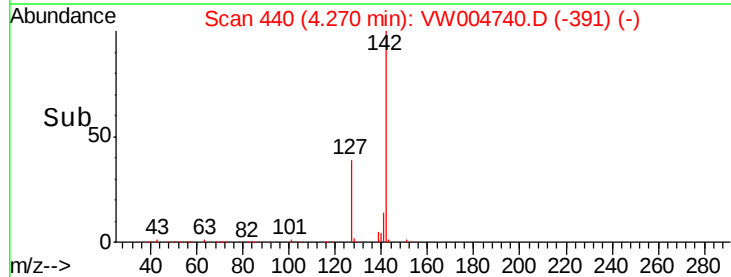
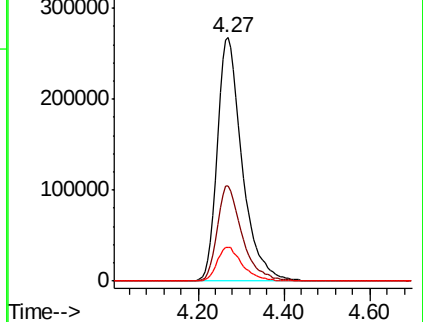
141 14.3 11.7 17.5

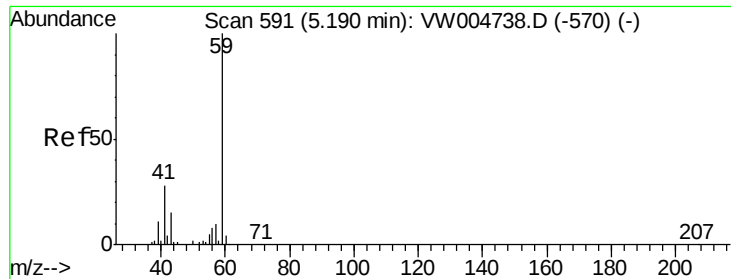


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



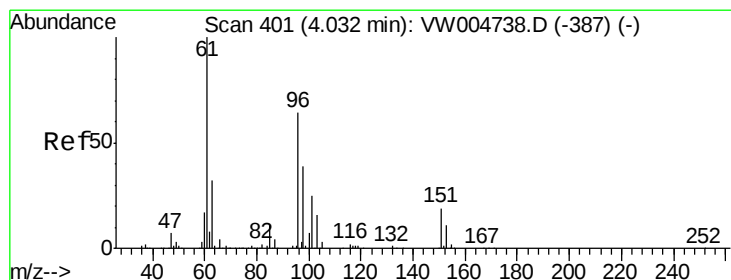
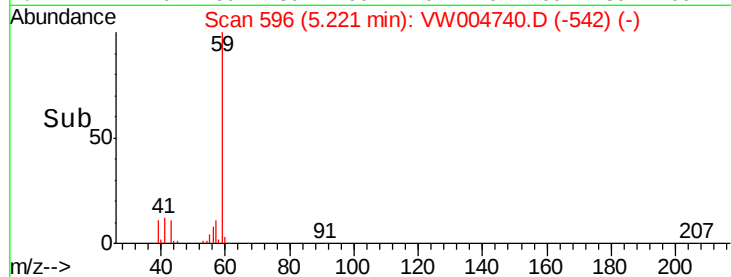
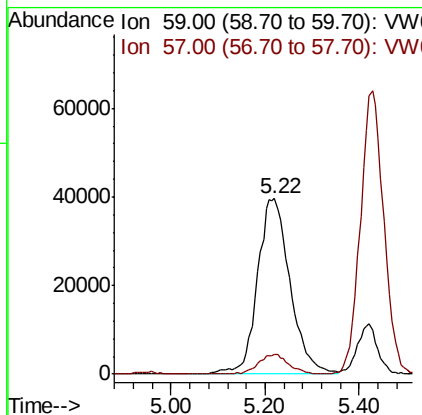
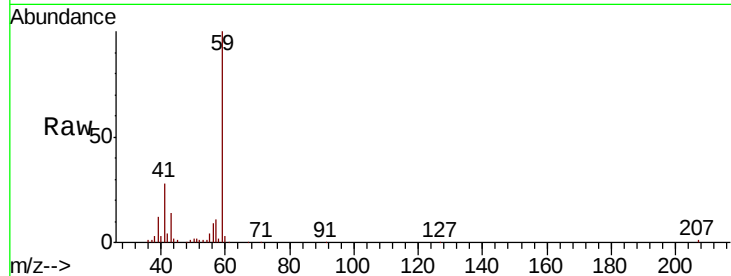


#11

Tert butyl alcohol
 Concen: 511.161 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

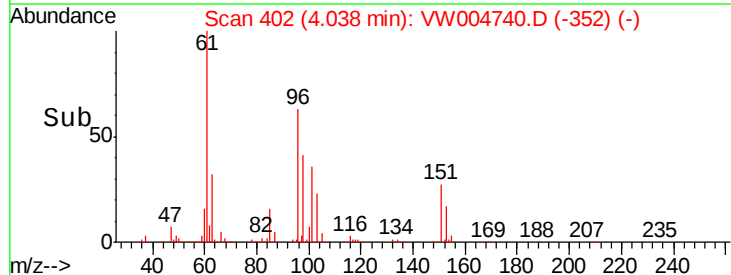
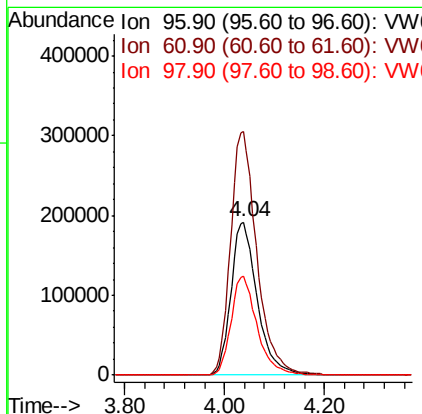
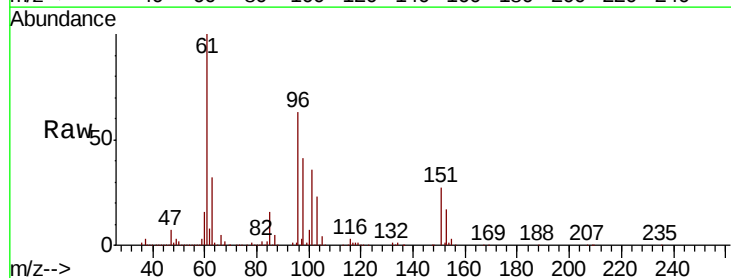
Tgt Ion: 59 Resp: 191779
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

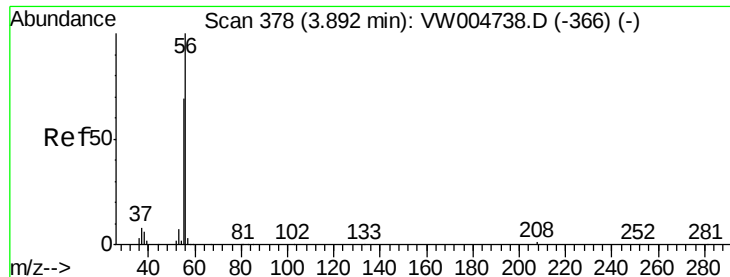


#12

1,1-Dichloroethene
 Concen: 98.513 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 96 Resp: 699671
 Ion Ratio Lower Upper
 96 100
 61 159.4 125.6 188.4
 98 65.1 49.4 74.0





#13

Acrolein

Concen: 471.380 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

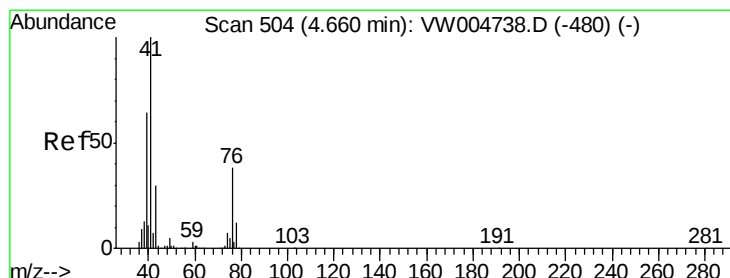
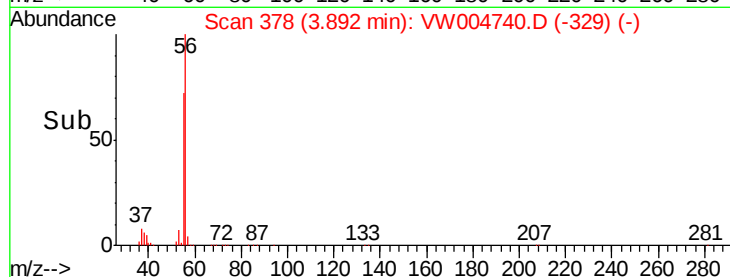
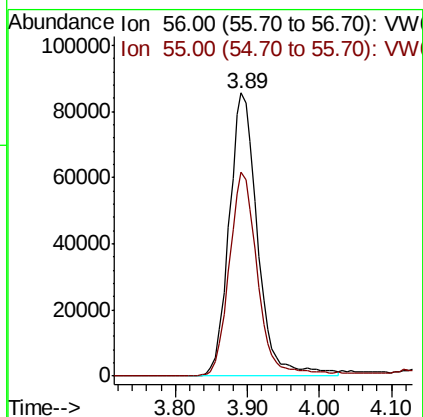
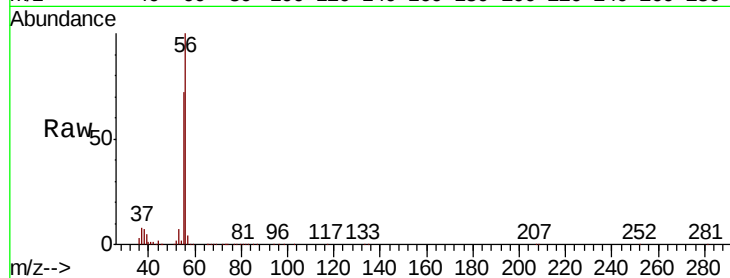
VSTDIC100

Tgt Ion: 56 Resp: 235474

Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



#14

Allyl chloride

Concen: 103.182 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

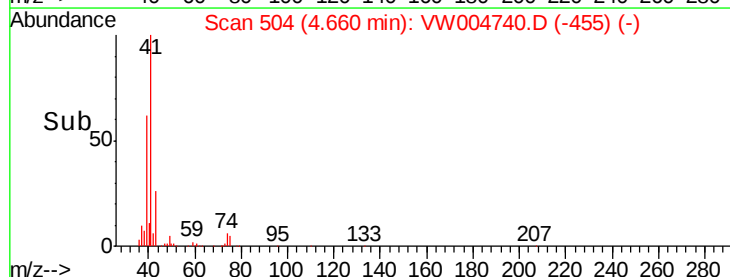
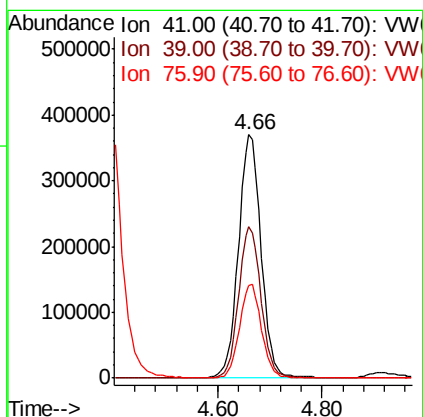
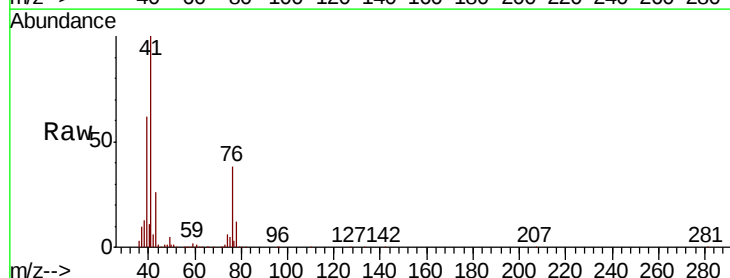
Tgt Ion: 41 Resp: 1112116

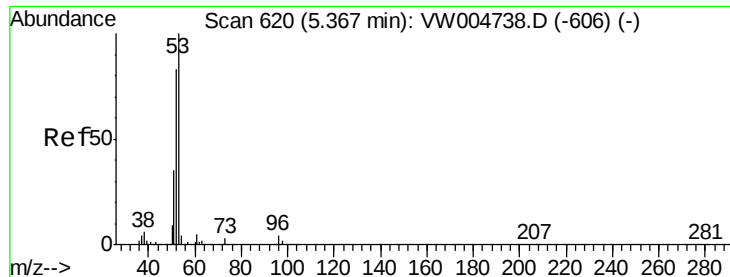
Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

76 36.9 29.8 44.6





#15

Acrylonitrile

Concen: 515.749 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

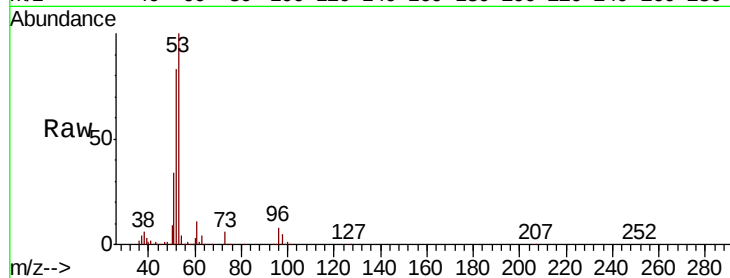
Tgt Ion: 53 Resp: 809415

Ion Ratio Lower Upper

53 100

52 82.1 65.8 98.6

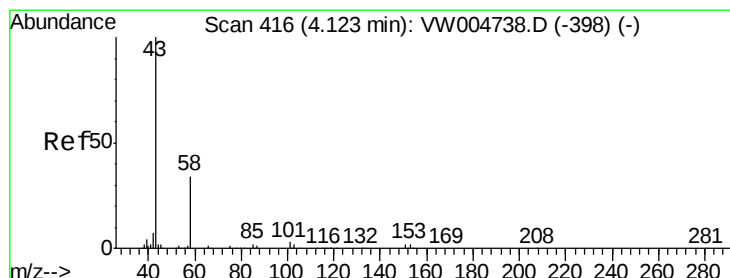
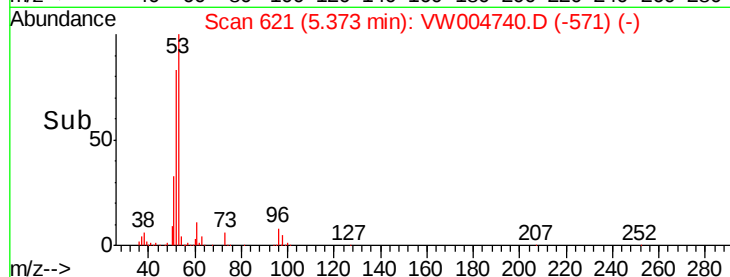
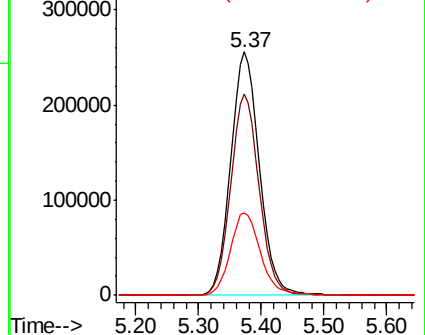
51 35.4 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 457.434 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004740.D

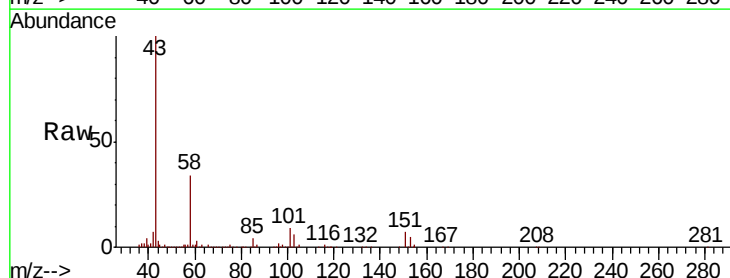
Acq: 17 Aug 2018 18:03

Tgt Ion: 43 Resp: 778062

Ion Ratio Lower Upper

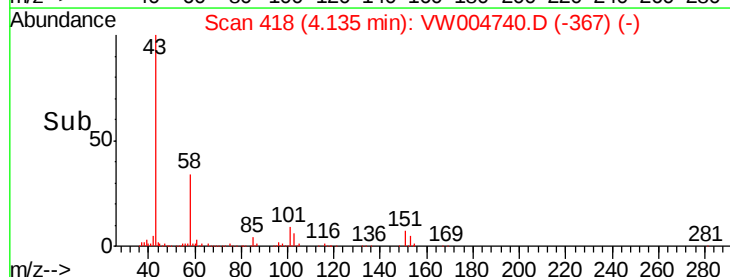
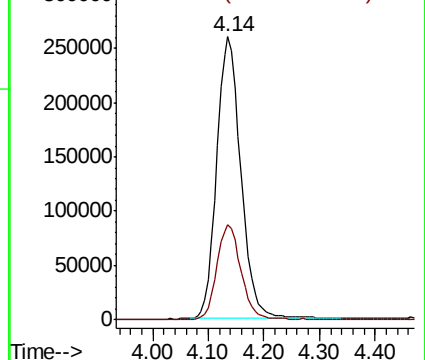
43 100

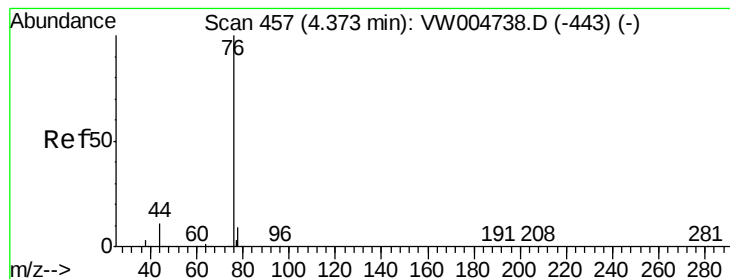
58 33.6 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 99.718 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

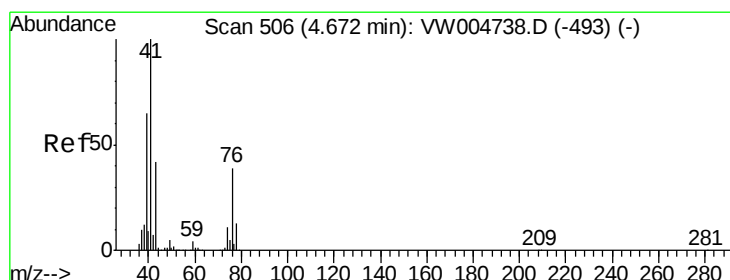
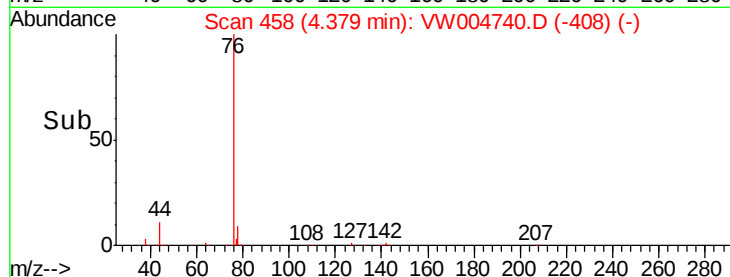
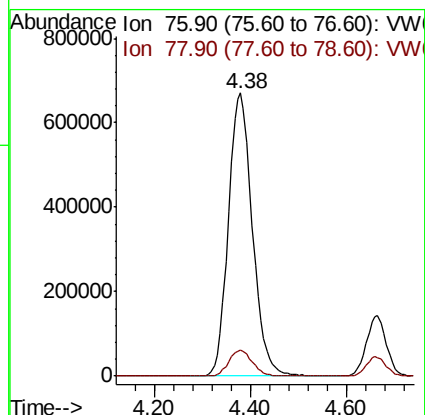
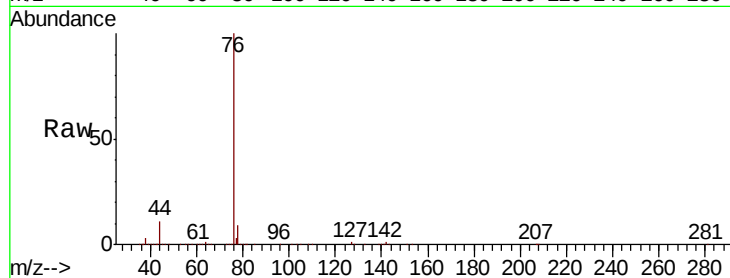
VSTDIC100

Tgt Ion: 76 Resp: 2327449

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



#18

Methyl Acetate

Concen: 101.758 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004740.D

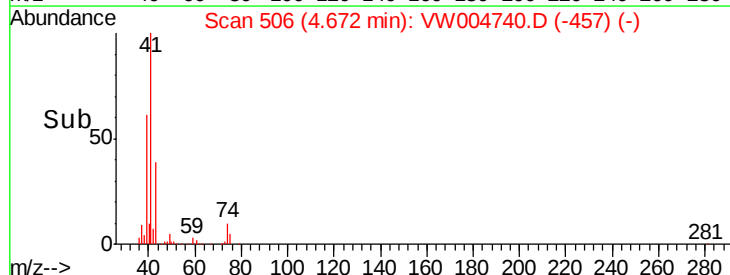
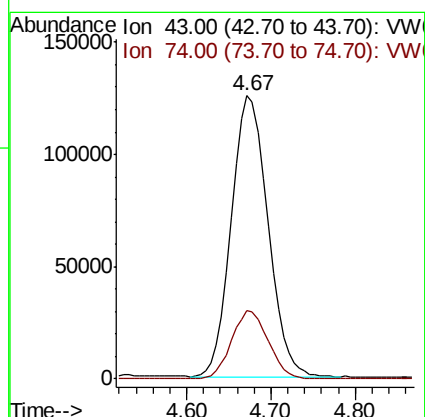
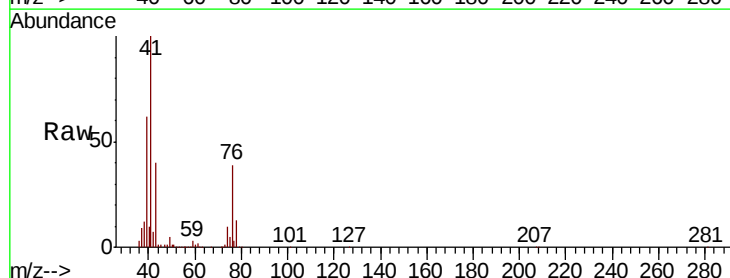
Acq: 17 Aug 2018 18:03

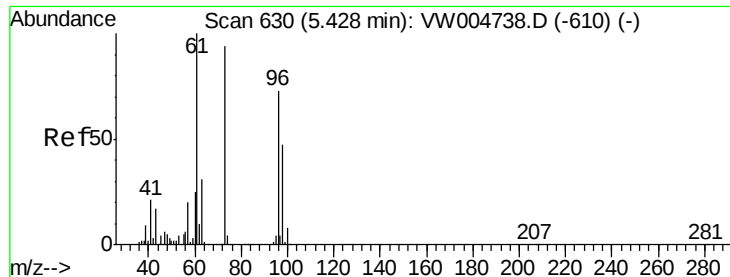
Tgt Ion: 43 Resp: 370909

Ion Ratio Lower Upper

43 100

74 24.5 19.8 29.8

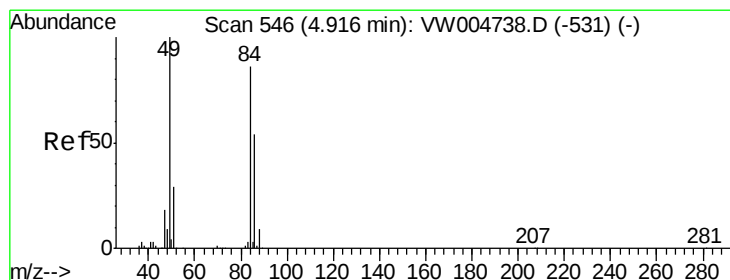
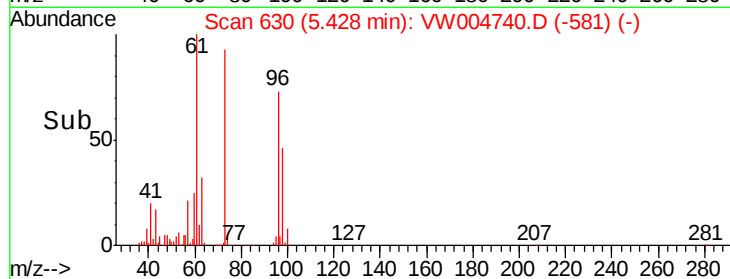
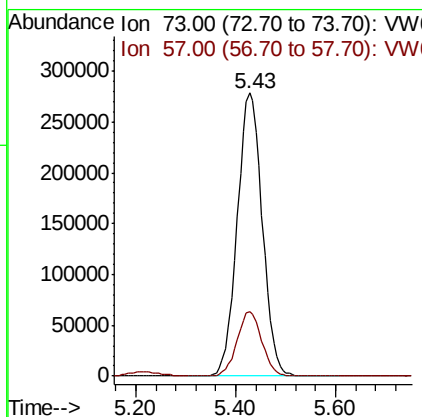
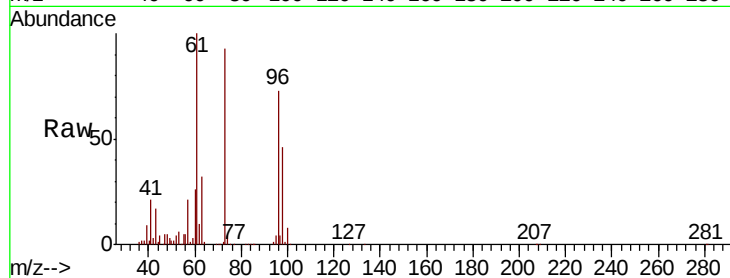




#19
Methyl tert-butyl Ether
Concen: 105.229 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

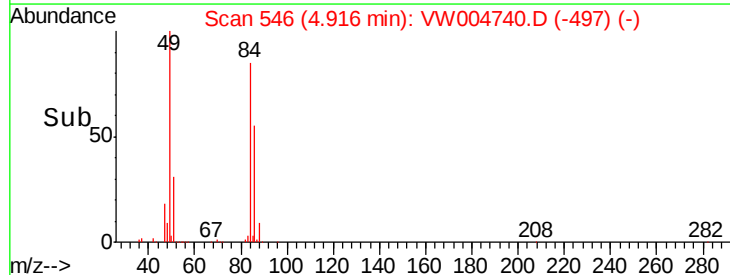
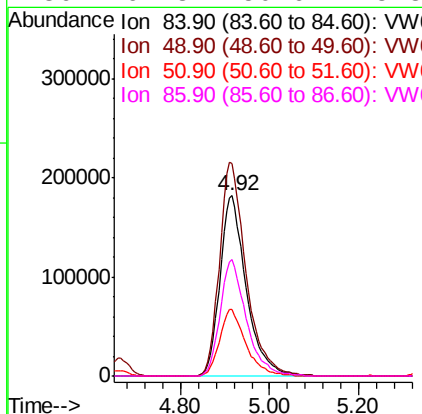
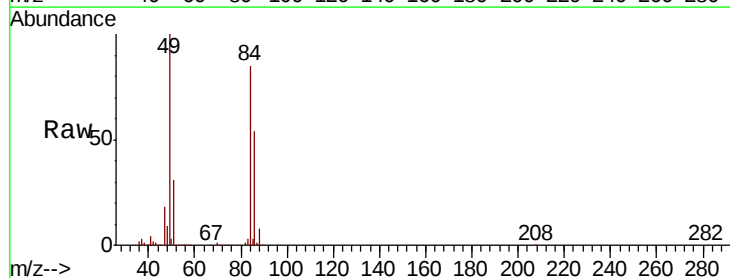
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

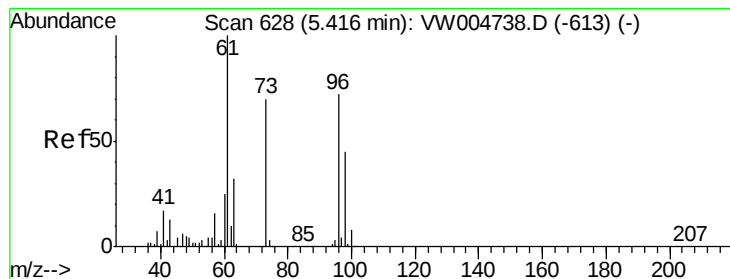
Tgt Ion: 73 Resp: 970164
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 80.255 ug/l
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 84 Resp: 745029
Ion Ratio Lower Upper
84 100
49 118.1 93.2 139.8
51 36.9 27.4 41.0
86 64.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 100.694 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

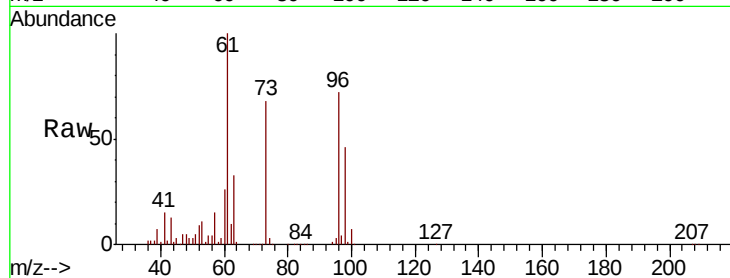
Tgt Ion: 96 Resp: 760922

Ion Ratio Lower Upper

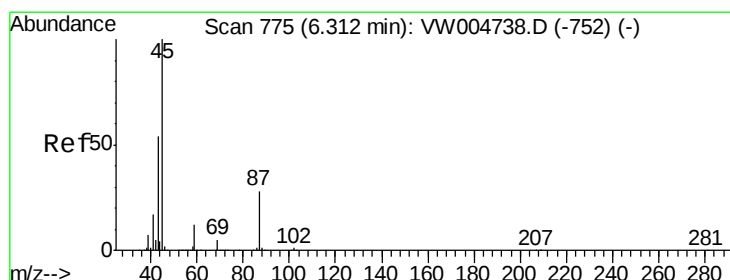
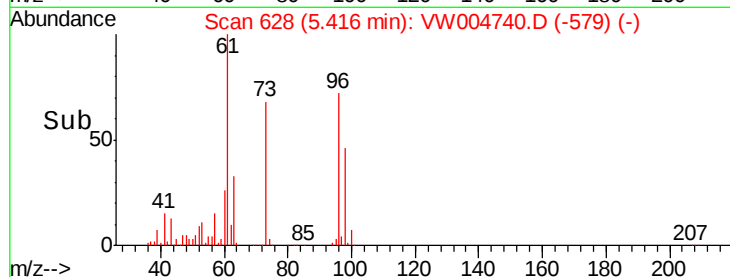
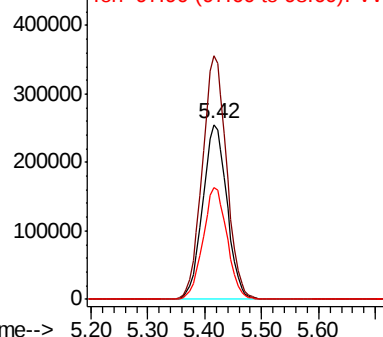
96 100

61 139.1 111.4 167.0

98 63.7 49.7 74.5



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: 104.193 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Tgt Ion: 45 Resp: 2158515

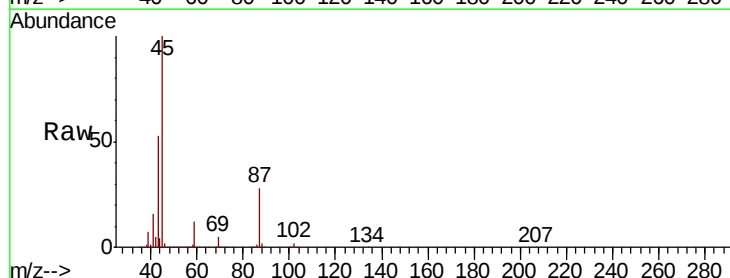
Ion Ratio Lower Upper

45 100

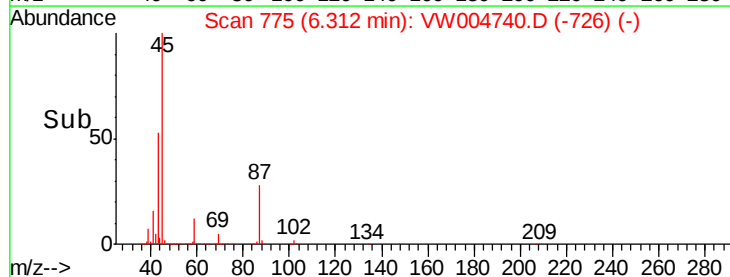
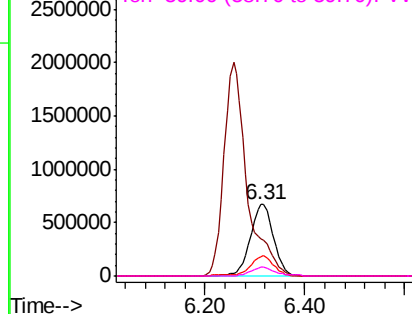
43 52.5 43.0 64.6

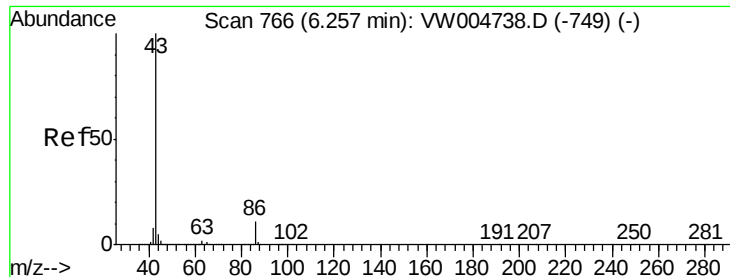
87 27.6 22.2 33.4

59 11.9 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 549.367 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

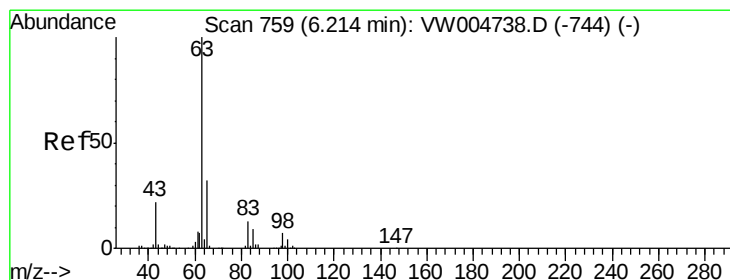
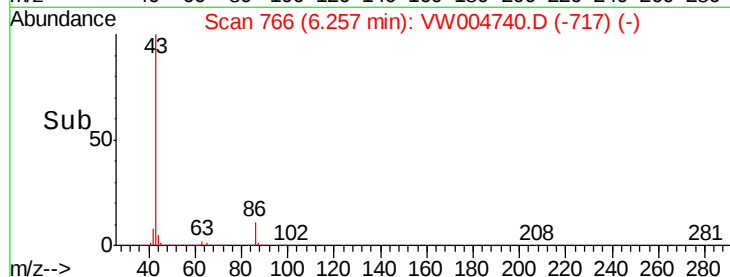
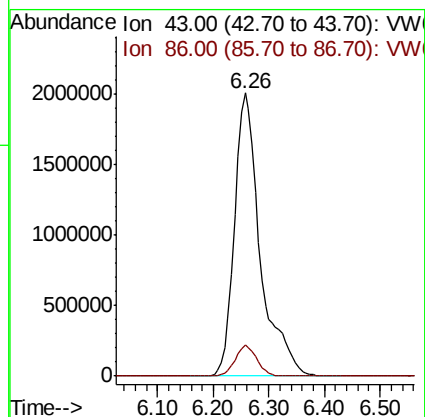
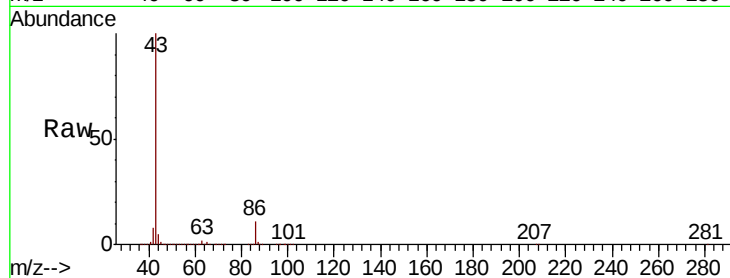
VSTDIC100

Tgt Ion: 43 Resp: 6437377

Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7



#24

1,1-Dichloroethane

Concen: 99.556 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

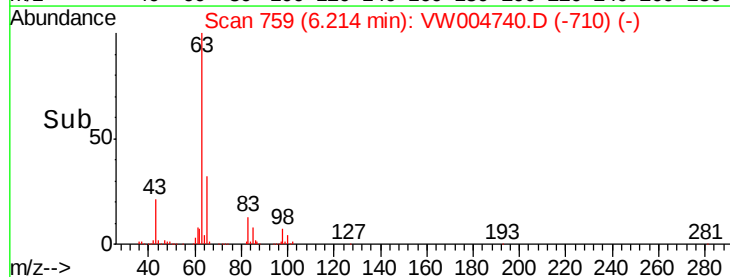
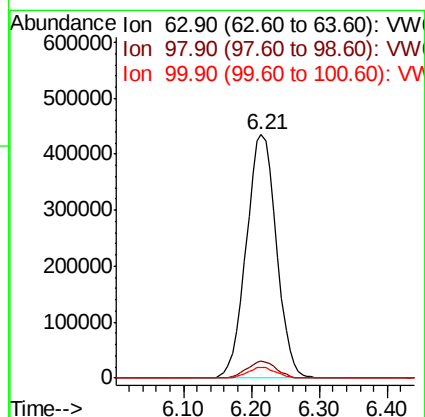
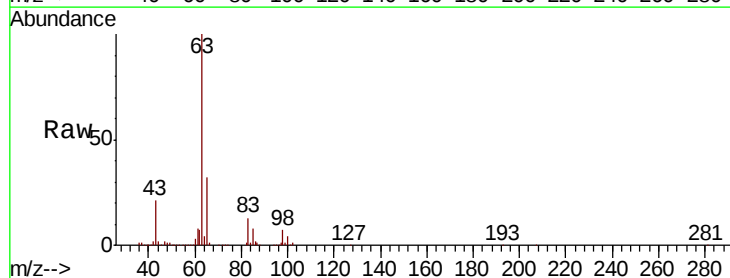
Tgt Ion: 63 Resp: 1340254

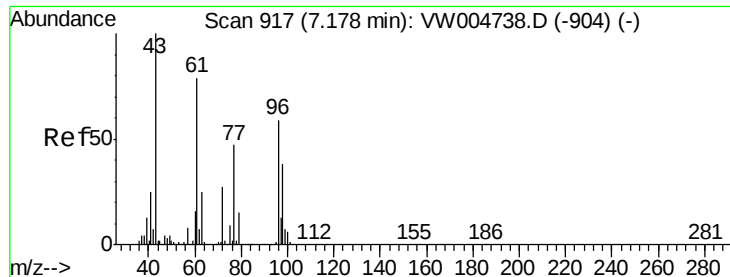
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 521.501 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

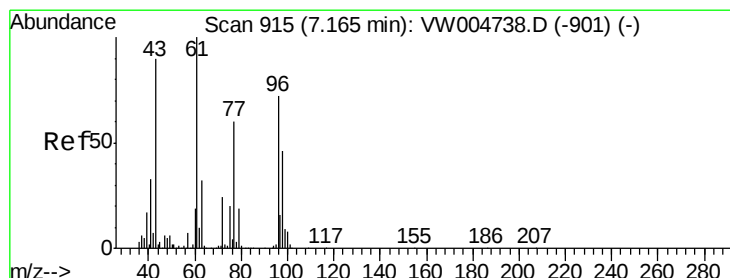
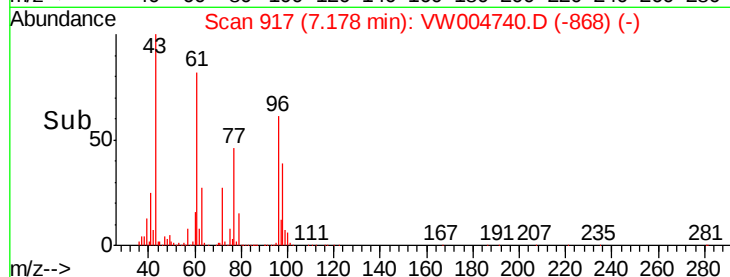
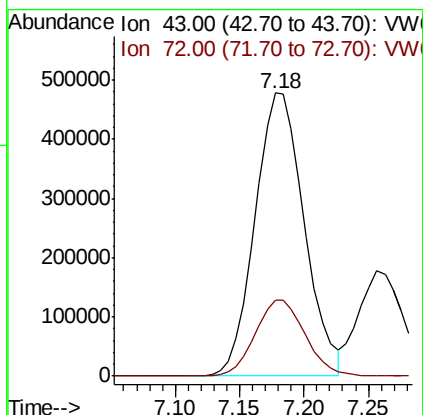
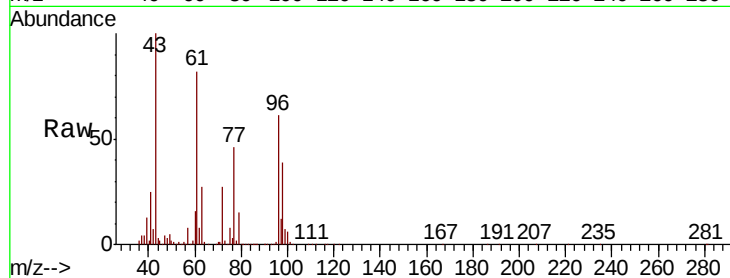
VSTDIC100

Tgt Ion: 43 Resp: 1263858

Ion Ratio Lower Upper

43 100

72 26.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 92.603 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004740.D

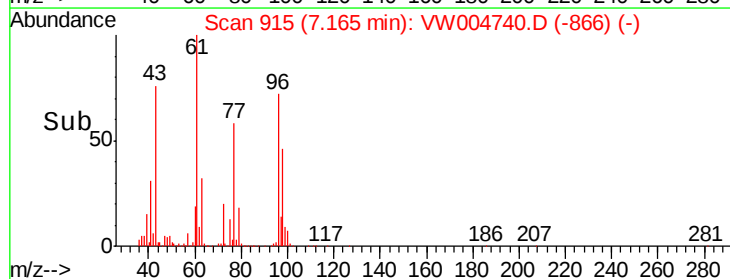
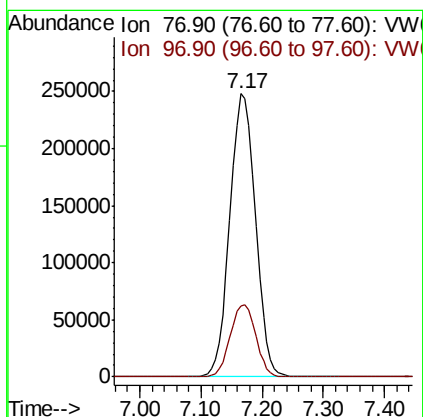
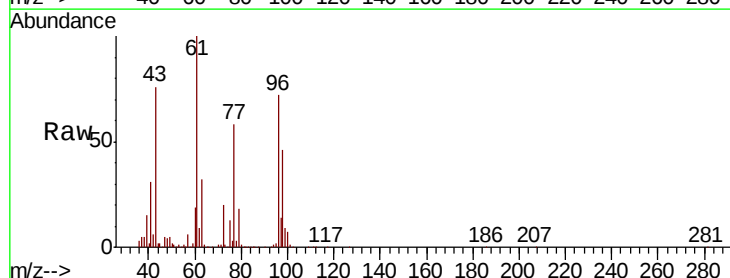
Acq: 17 Aug 2018 18:03

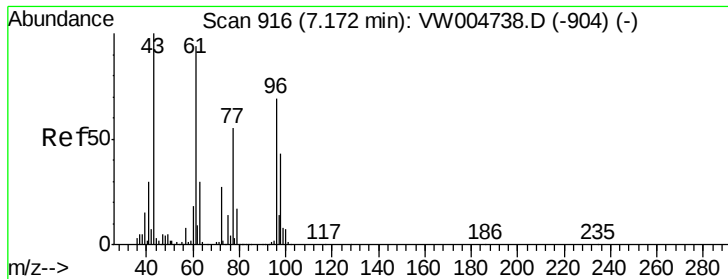
Tgt Ion: 77 Resp: 720053

Ion Ratio Lower Upper

77 100

97 25.4 12.6 37.8



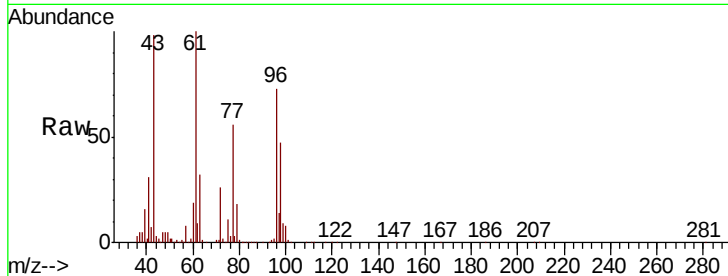


#27

cis-1,2-Dichloroethene
Concen: 101.982 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	829646		
96	100		
61	138.4	0.0	277.6
98	63.9	0.0	127.4

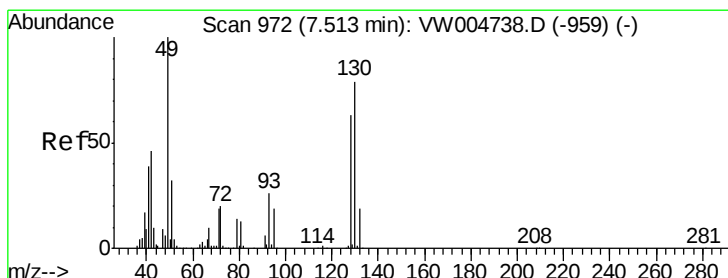
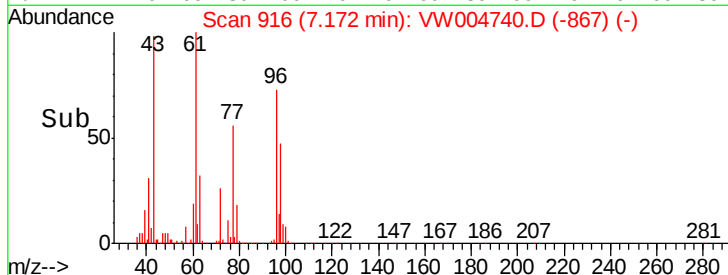
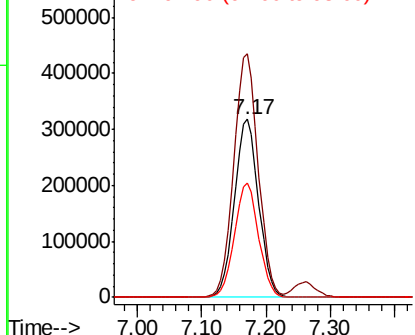


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

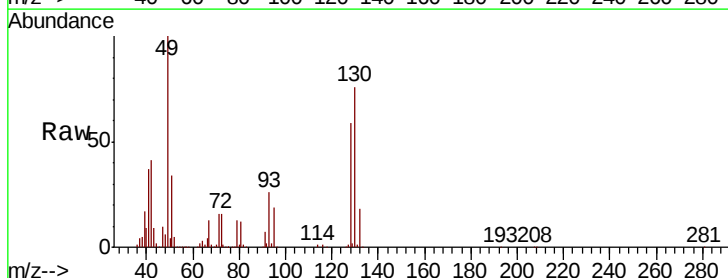
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 100.547 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion	Resp	Lower	Upper
49	570010		
49	100		
129	2.0	0.0	4.4
130	78.5	63.7	95.5

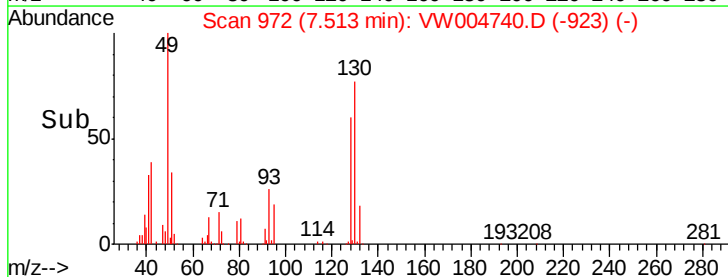
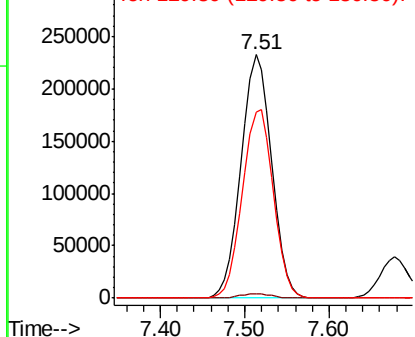


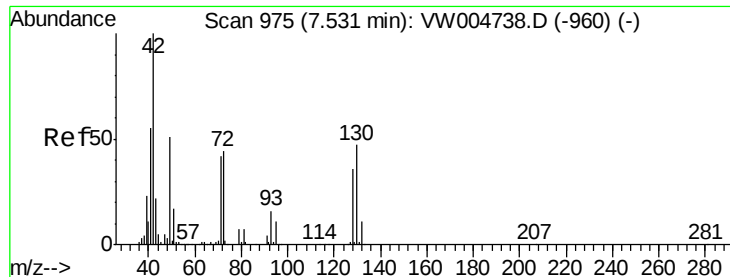
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

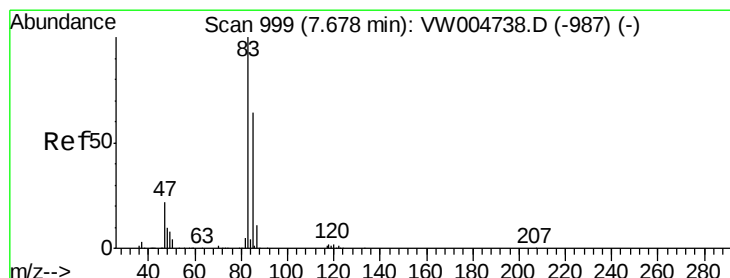
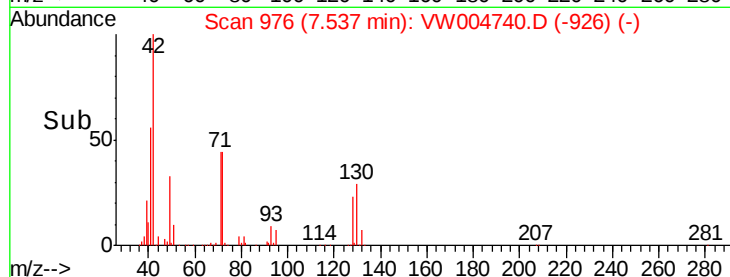
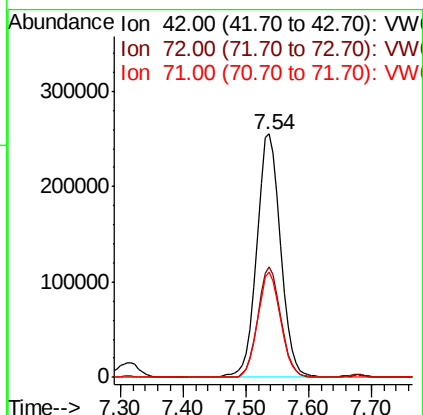
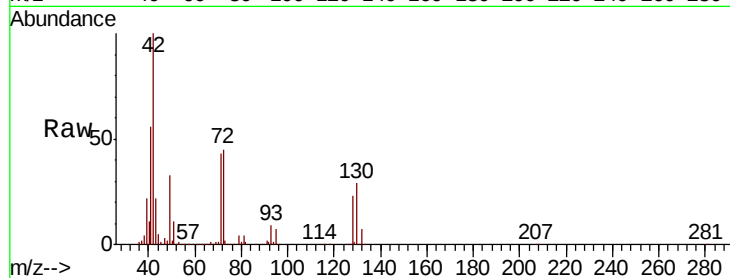




#29
Tetrahydrofuran
Concen: 541.136 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

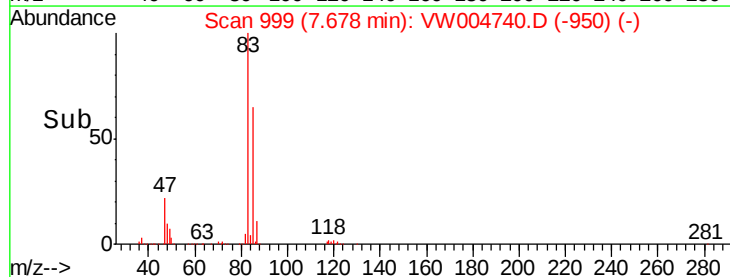
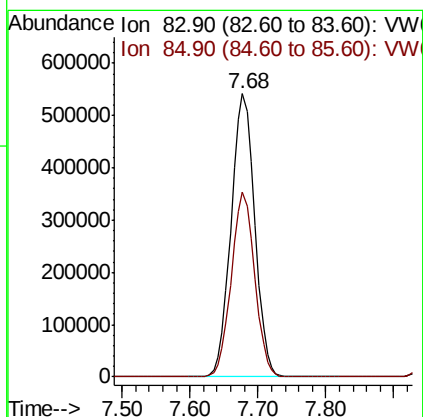
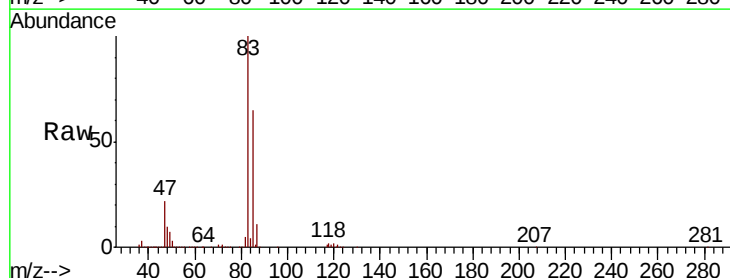
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

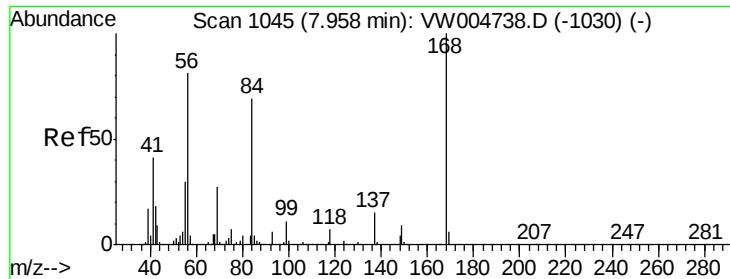
Tgt Ion: 42 Resp: 668736
Ion Ratio Lower Upper
42 100
72 43.9 34.9 52.3
71 41.8 33.8 50.6



#30
Chloroform
Concen: 98.576 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 83 Resp: 1305168
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.6

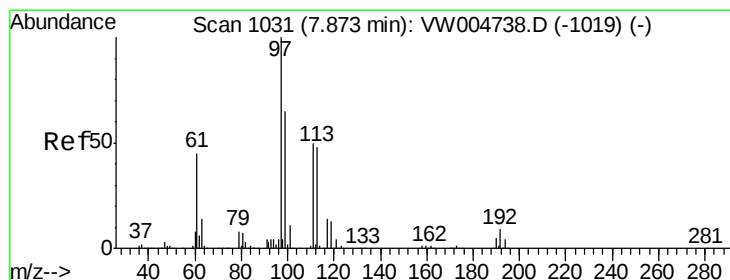
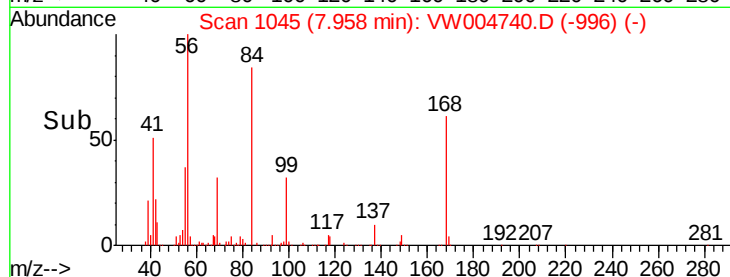
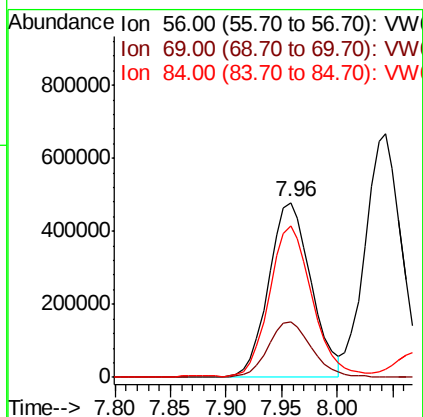
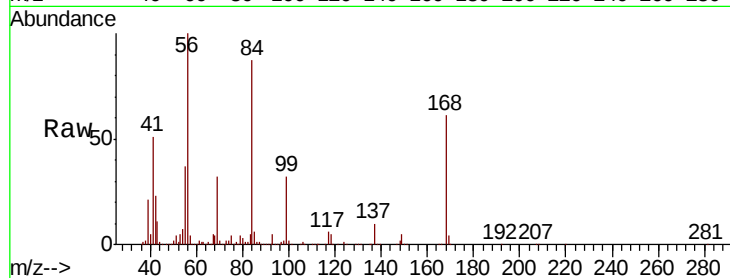




#31
Cyclohexane
Concen: 97.270 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

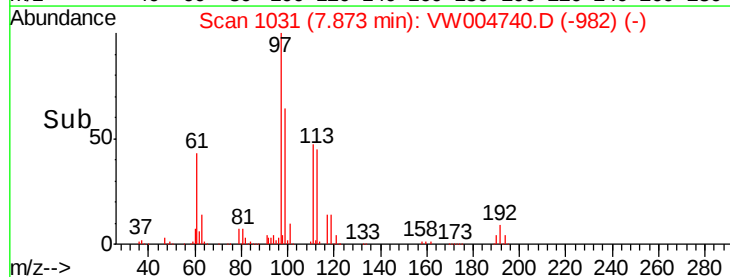
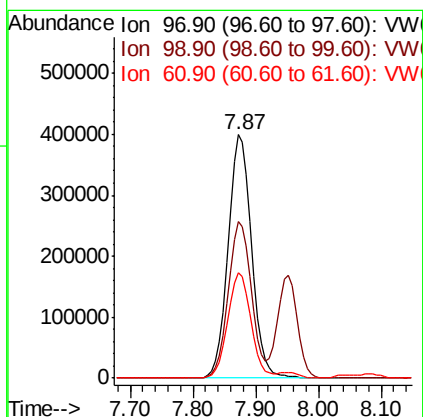
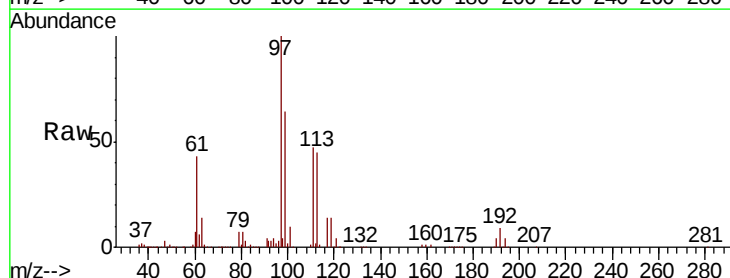
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

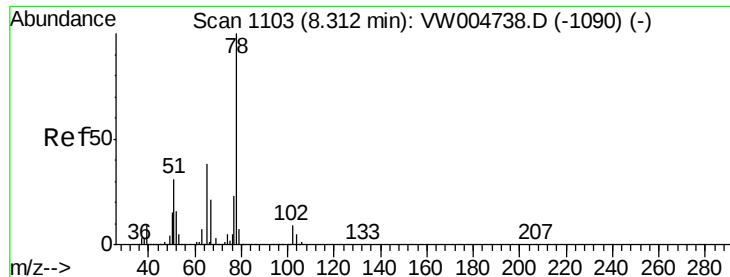
Tgt Ion: 56 Resp: 1266605
Ion Ratio Lower Upper
56 100
69 32.1 27.1 40.7
84 85.6 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 98.445 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 97 Resp: 1033214
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 42.8 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 99.257 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

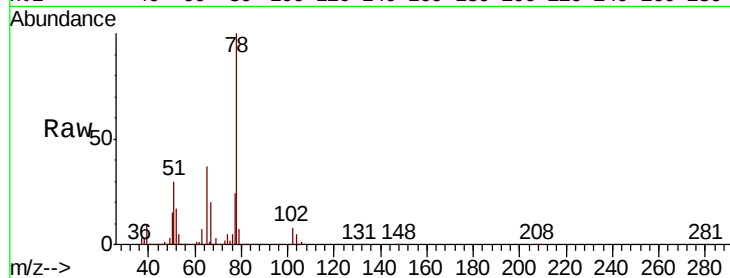
VSTDIC100

Tgt Ion: 65 Resp: 661364

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

300000

200000

100000

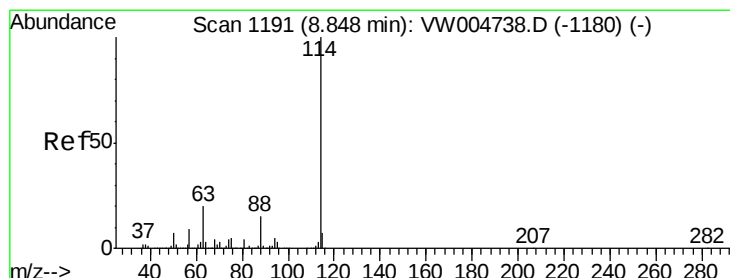
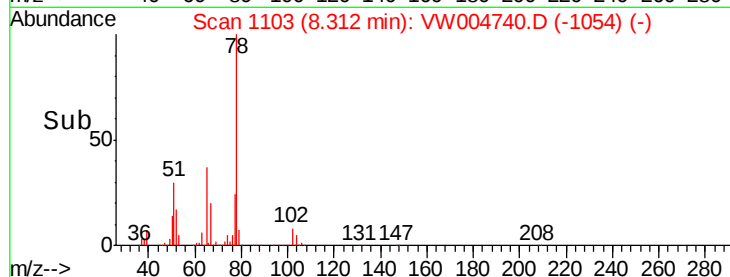
0

Time-->

8.20

8.30

8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

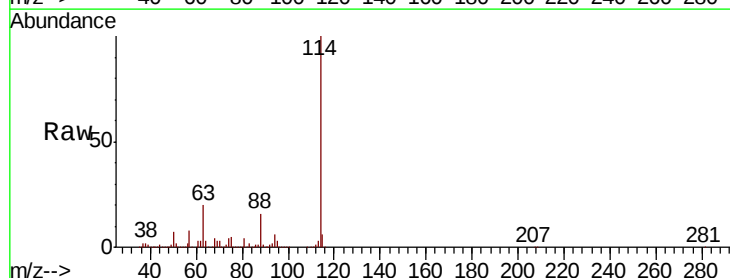
Tgt Ion: 114 Resp: 1040648

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.8 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

600000

400000

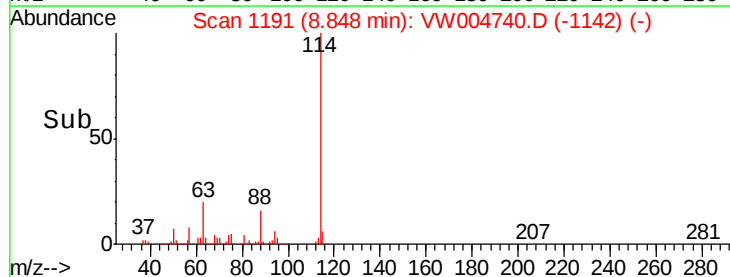
200000

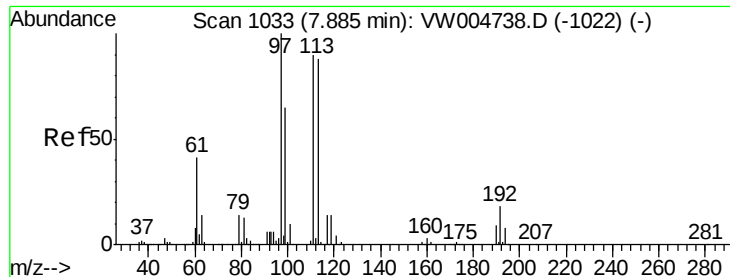
0

Time-->

8.80

8.90

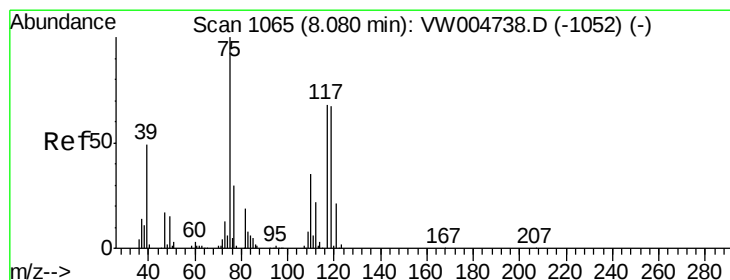
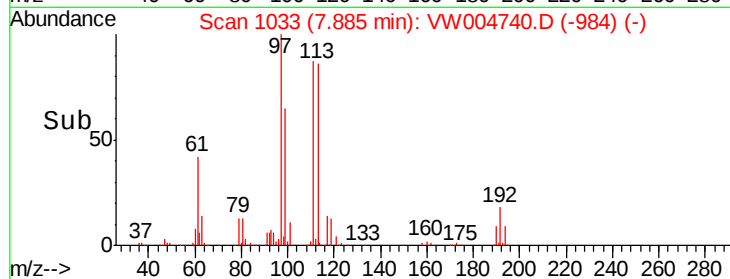
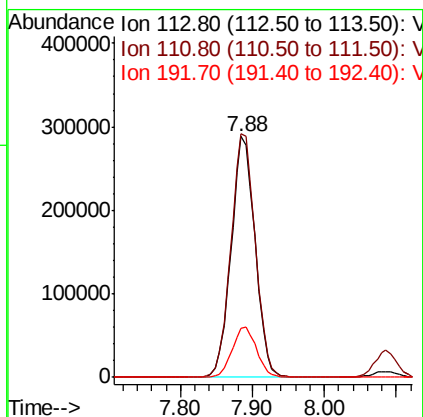
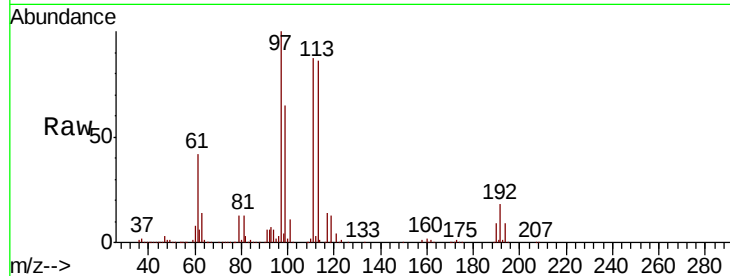




#35
 Dibromofluoromethane
 Concen: 100.042 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

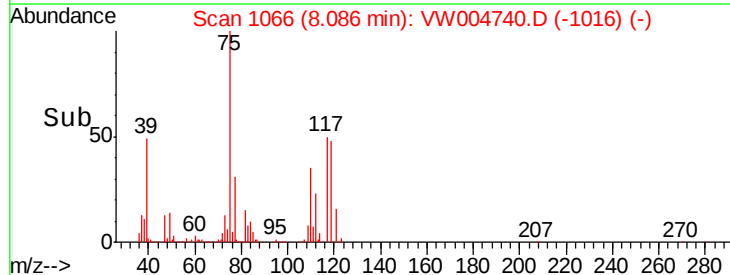
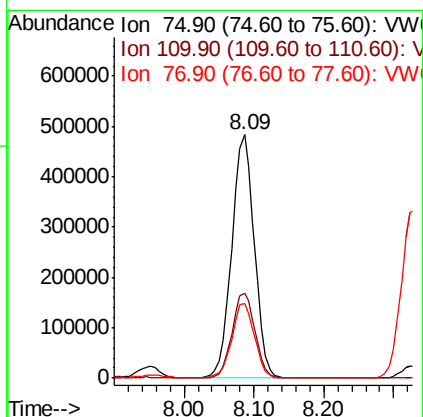
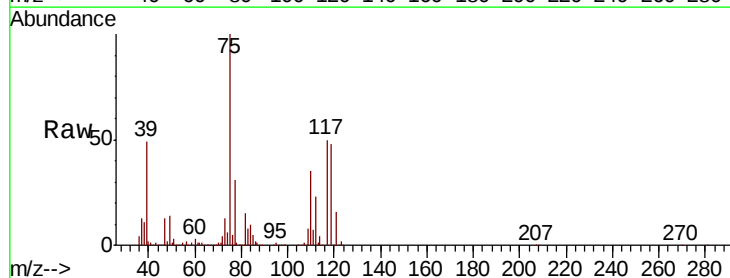
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

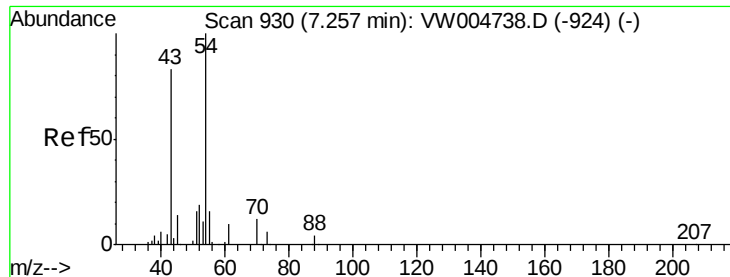
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	21.2	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 100.696 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.5
77	31.0	24.9	37.3

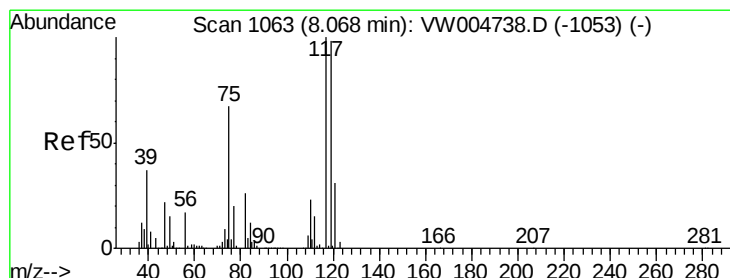
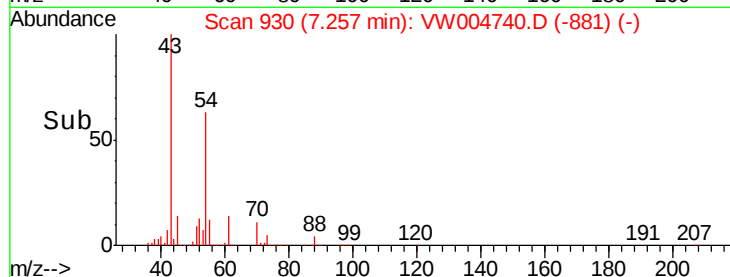
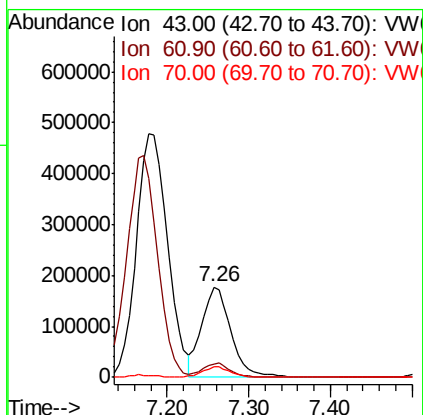
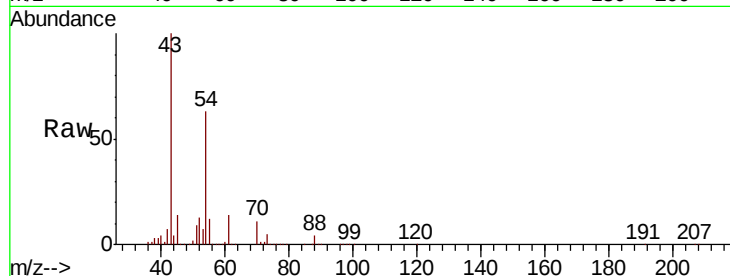




#37
Ethyl Acetate
Concen: 103.502 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

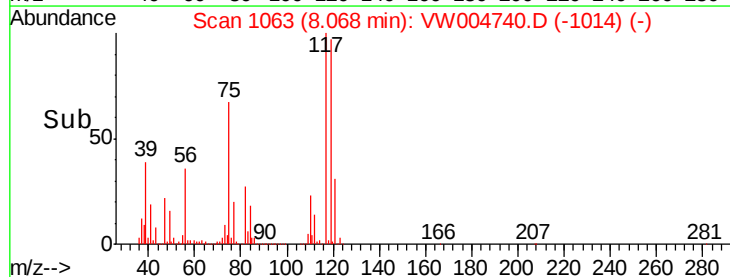
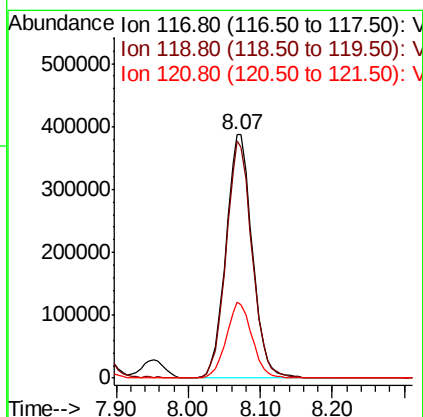
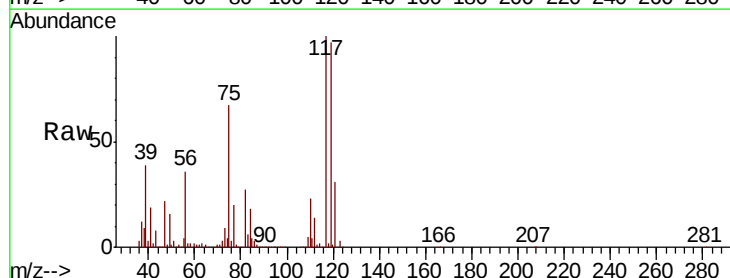
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

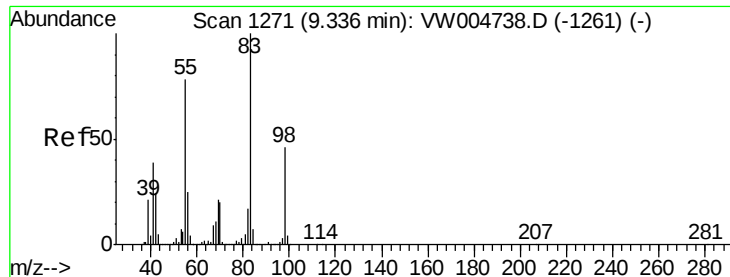
Tgt Ion: 43 Resp: 442318
Ion Ratio Lower Upper
43 100
61 14.9 11.6 17.4
70 11.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 99.619 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 117 Resp: 983066
Ion Ratio Lower Upper
117 100
119 97.3 78.0 117.0
121 31.2 24.8 37.2

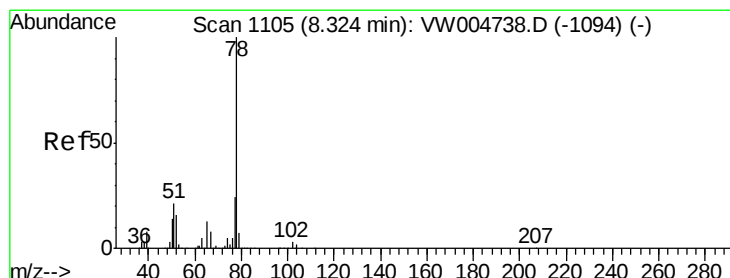
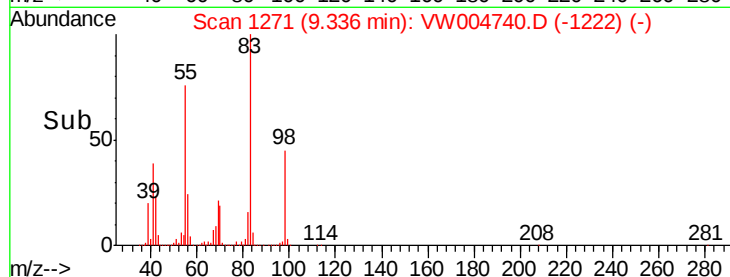
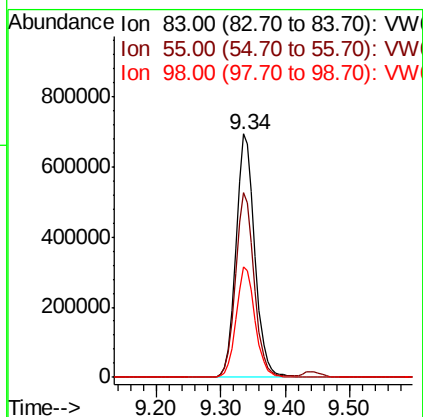
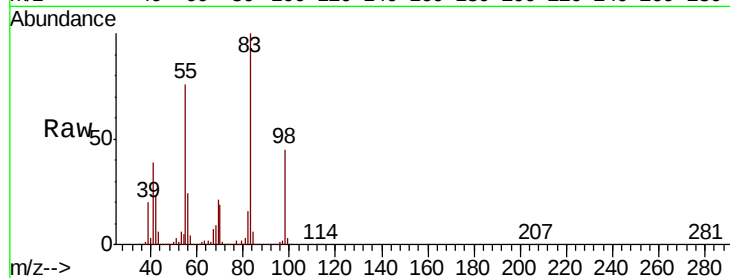




#39
Methylcyclohexane
Concen: 105.662 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

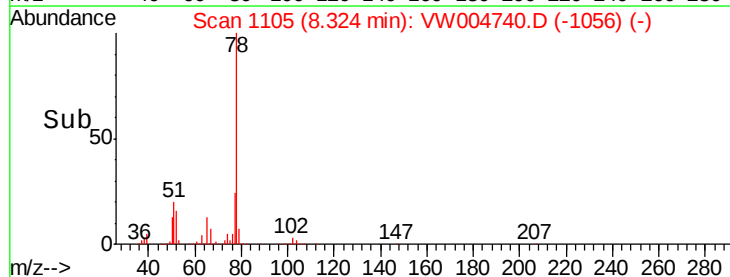
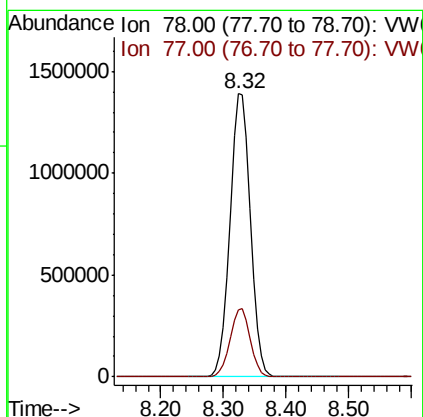
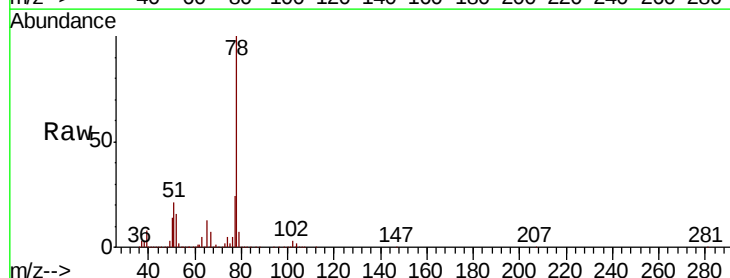
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

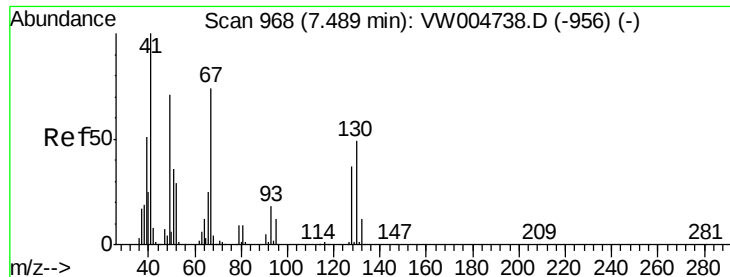
Tgt Ion: 83 Resp: 1416588
Ion Ratio Lower Upper
83 100
55 75.8 62.4 93.6
98 45.3 36.5 54.7



#40
Benzene
Concen: 100.249 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 78 Resp: 3123337
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

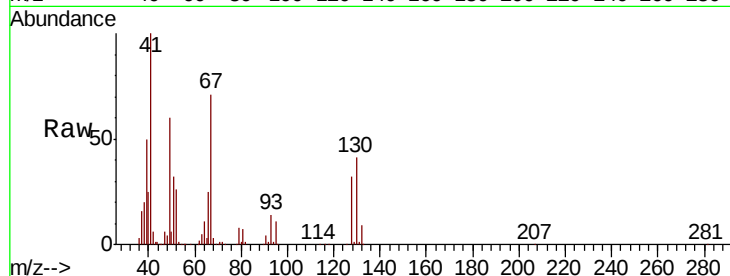




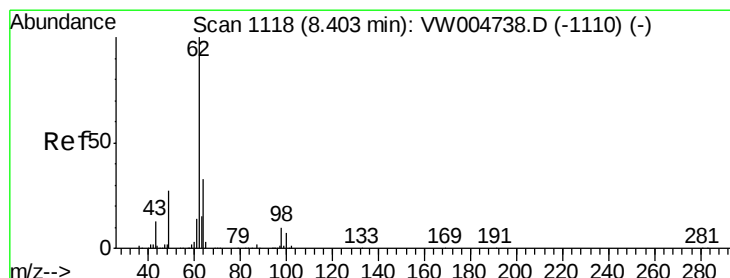
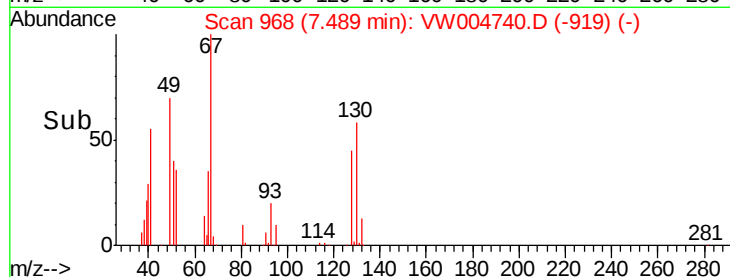
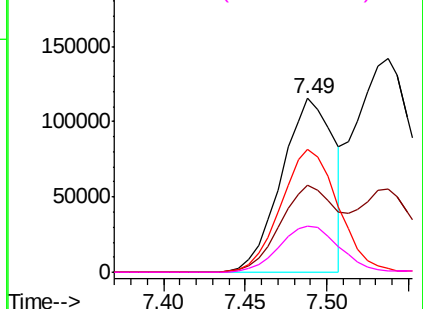
#41
Methacrylonitrile
Concen: 106.413 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	258083
Ion	Ratio	Lower	Upper
41	100		
39	56.1	41.0	61.4
67	77.4	59.5	89.3
52	30.5	23.6	35.4

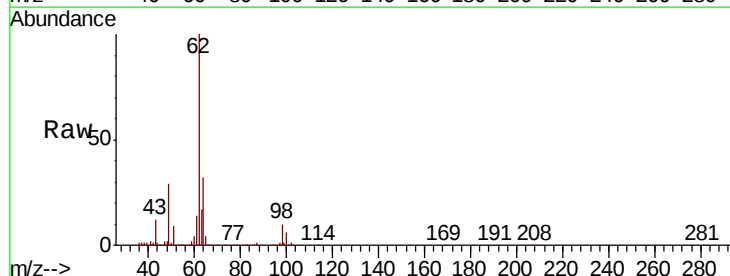


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

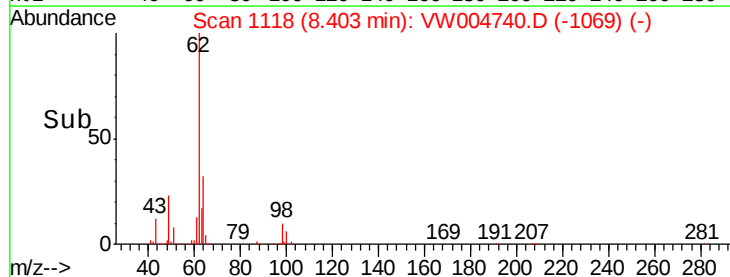
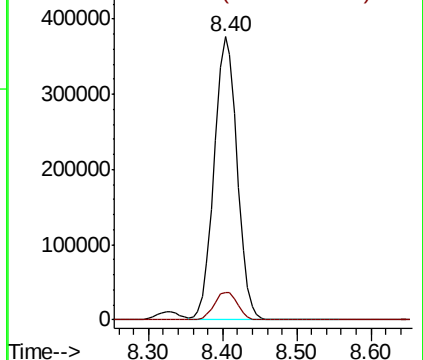


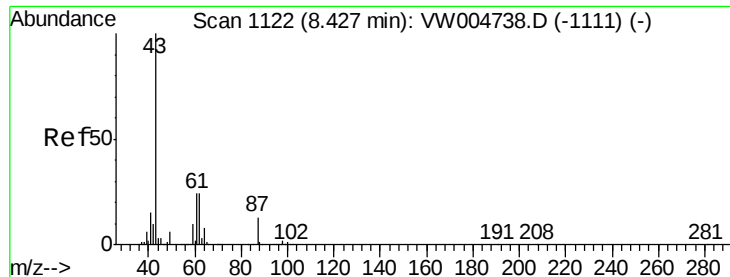
#42
1,2-Dichloroethane
Concen: 100.174 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion:	62	Resp:	800317
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 109.688 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

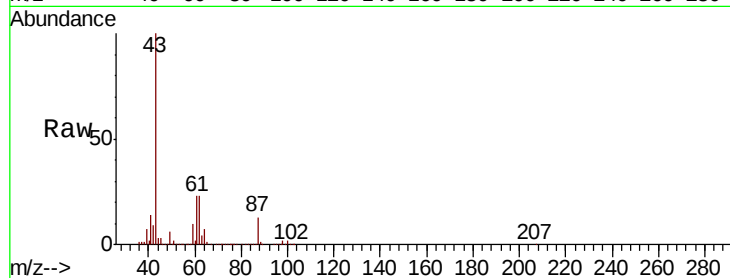
Tgt Ion: 43 Resp: 841988

Ion Ratio Lower Upper

43 100

61 31.7 26.2 39.4

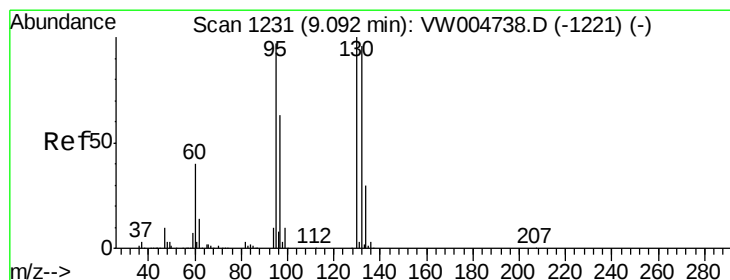
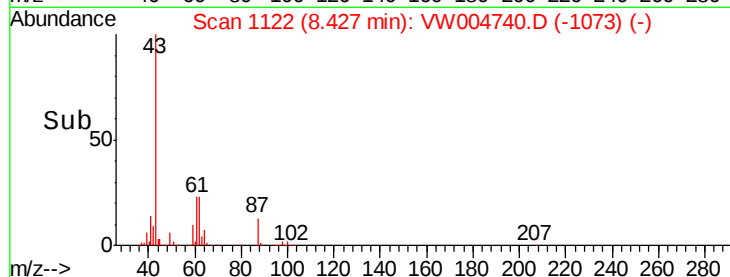
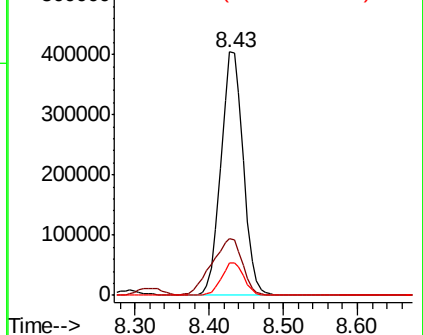
87 13.6 10.9 16.3



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: 100.112 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004740.D

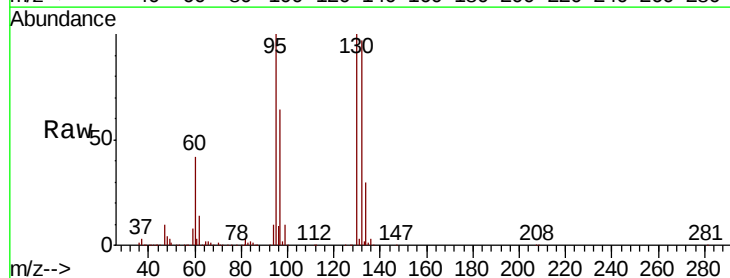
Acq: 17 Aug 2018 18:03

Tgt Ion: 130 Resp: 791758

Ion Ratio Lower Upper

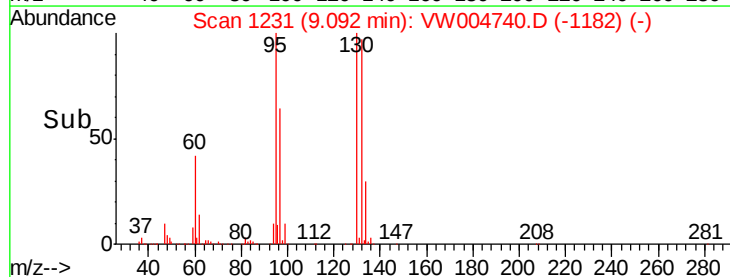
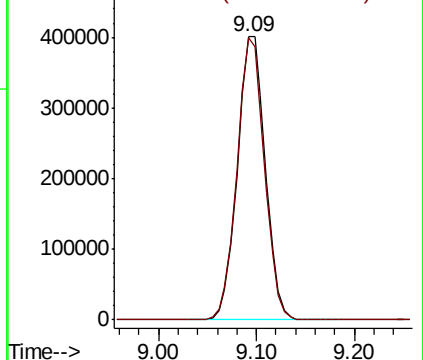
130 100

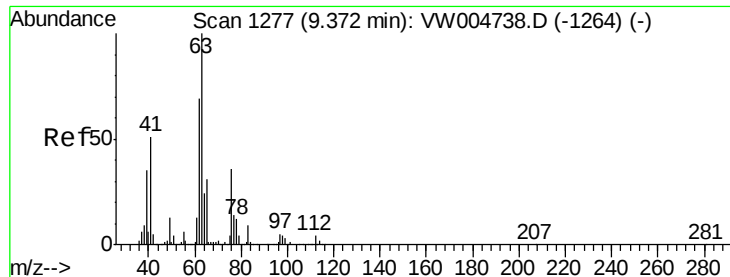
95 99.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

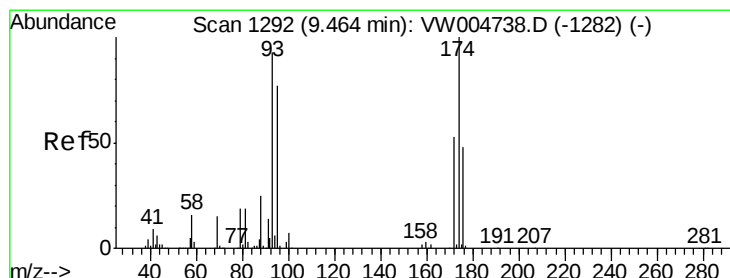
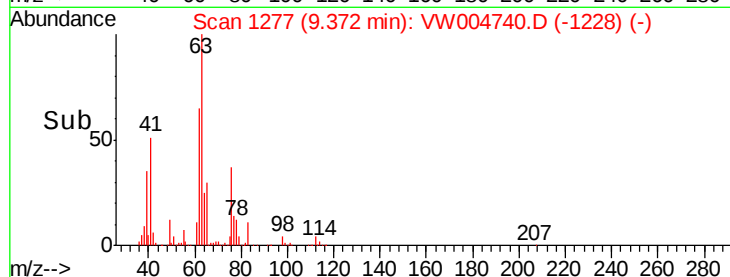
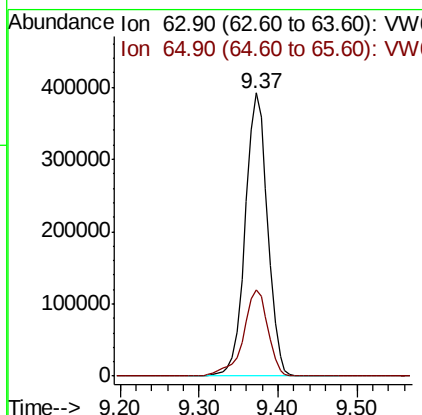
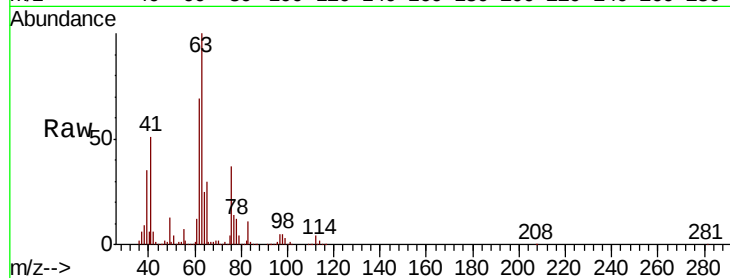




#45
 1,2-Dichloropropane
 Concen: 100.921 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

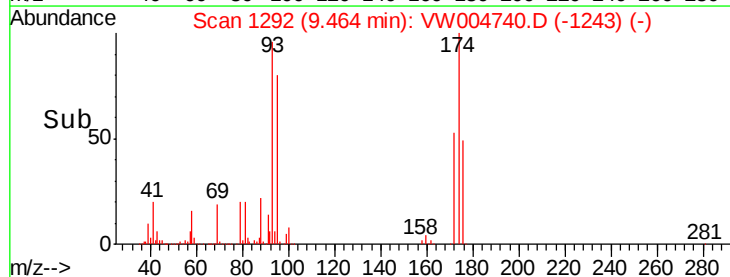
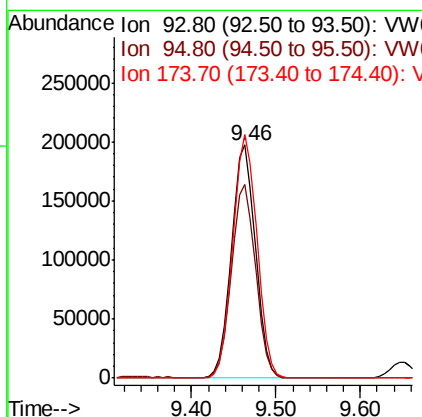
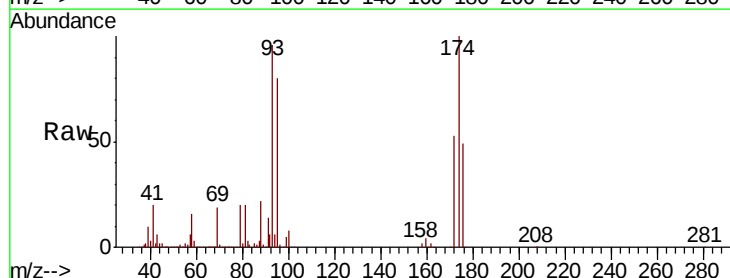
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

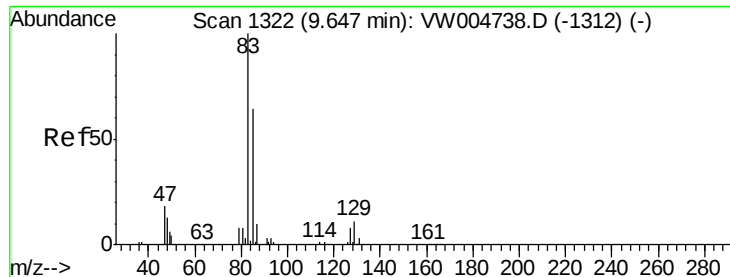
Tgt Ion: 63 Resp: 769115
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#46
 Dibromomethane
 Concen: 100.570 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 93 Resp: 379706
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 99.8
 174 105.1 85.3 127.9





#47

Bromodichloromethane

Concen: 102.344 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

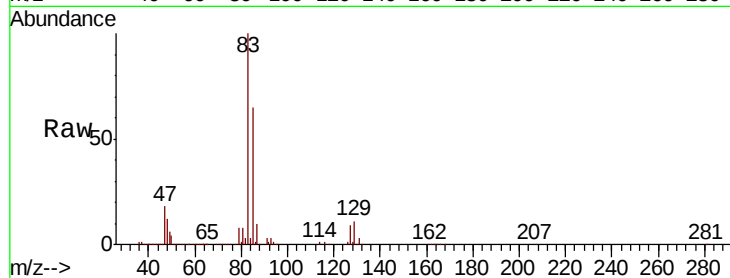
Tgt Ion: 83 Resp: 922825

Ion Ratio Lower Upper

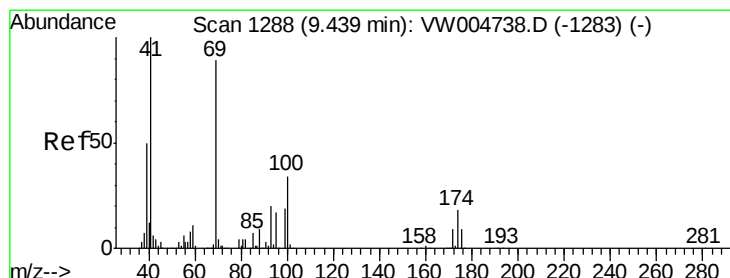
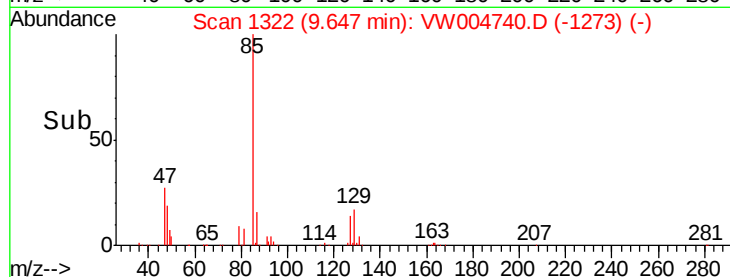
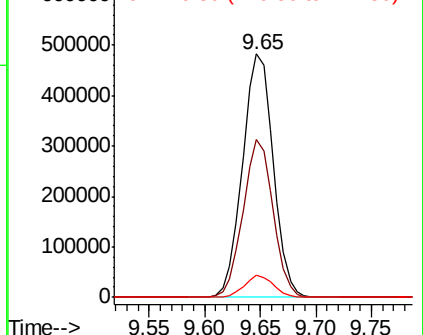
83 100

85 64.6 51.2 76.8

127 8.9 6.7 10.1



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



#48

Methyl methacrylate

Concen: 111.294 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

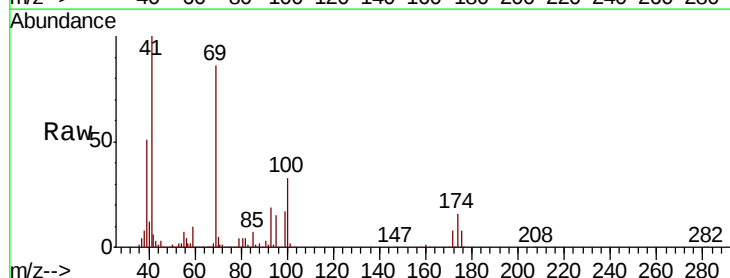
Tgt Ion: 41 Resp: 400874

Ion Ratio Lower Upper

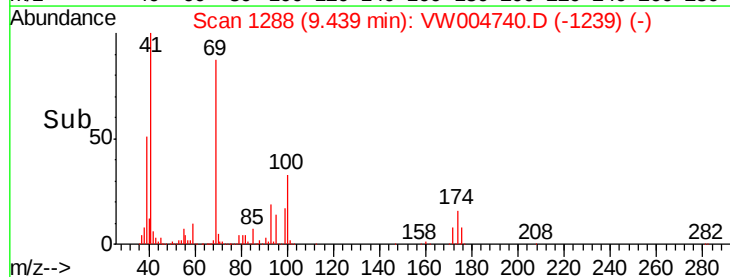
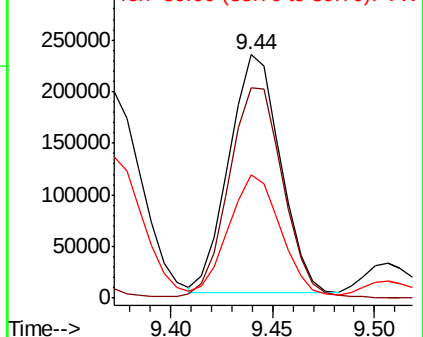
41 100

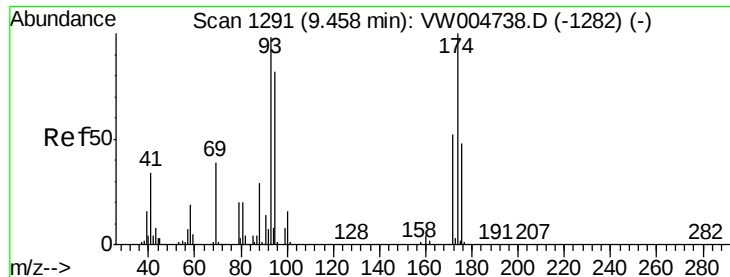
69 94.5 75.2 112.8

39 50.3 39.8 59.6



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: 2207.503 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

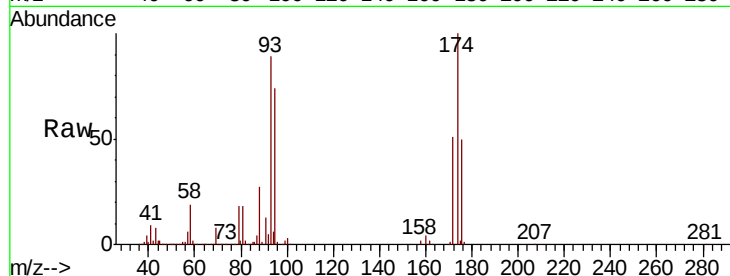
Tgt Ion: 88 Resp: 121767

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

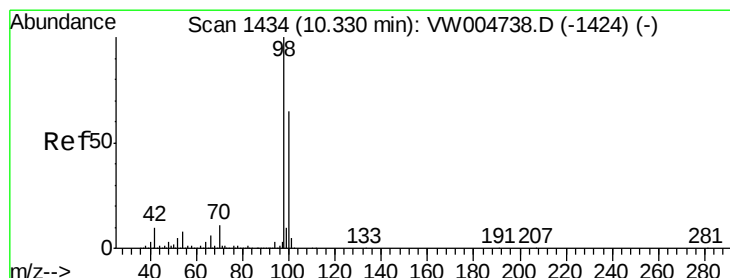
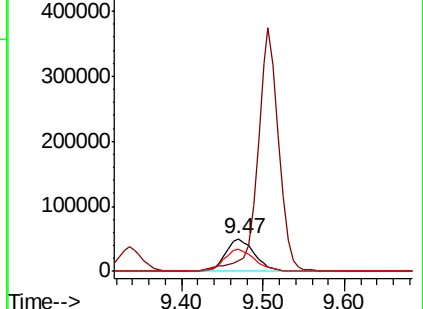
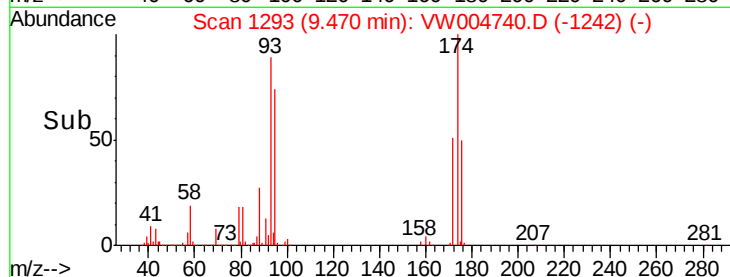
58 73.9 60.0 90.0



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: 101.644 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004740.D

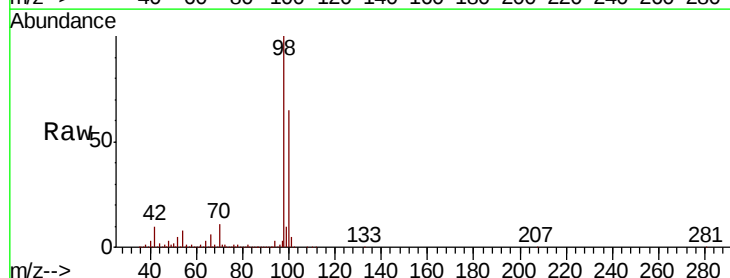
Acq: 17 Aug 2018 18:03

Tgt Ion: 98 Resp: 2639005

Ion Ratio Lower Upper

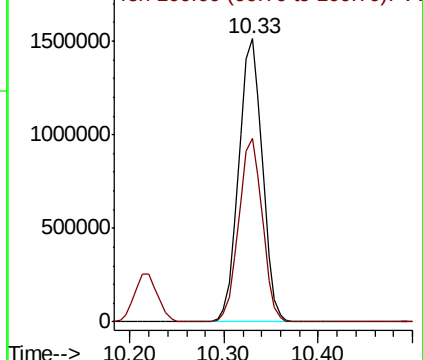
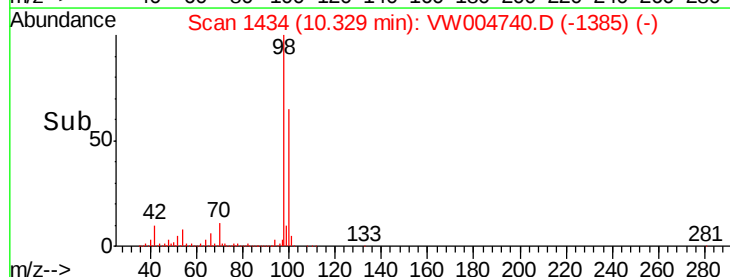
98 100

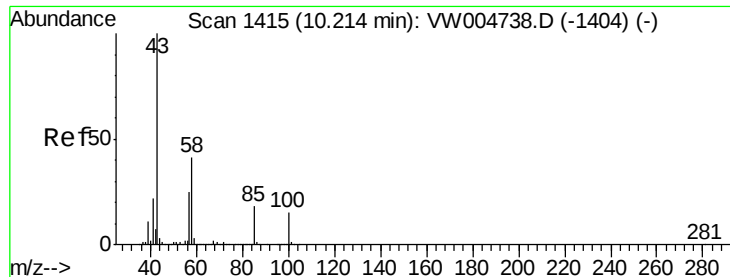
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

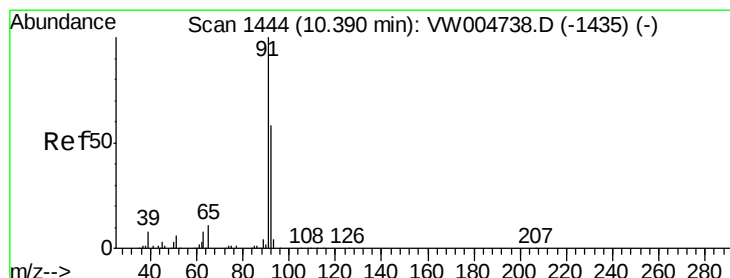
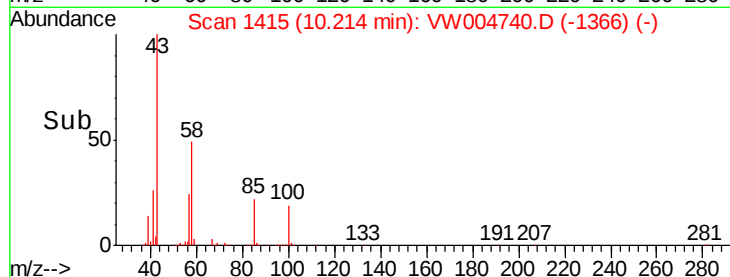
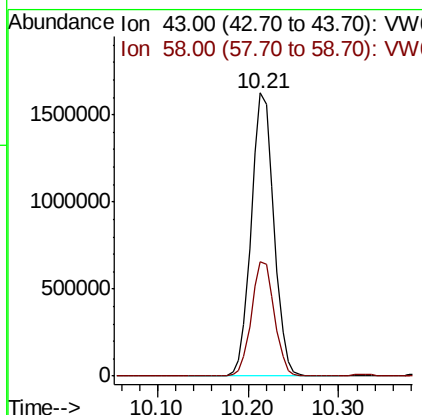
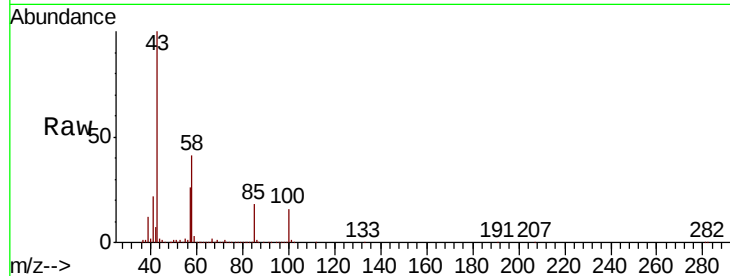




#51
 4-Methyl-2-Pentanone
 Concen: 542.053 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

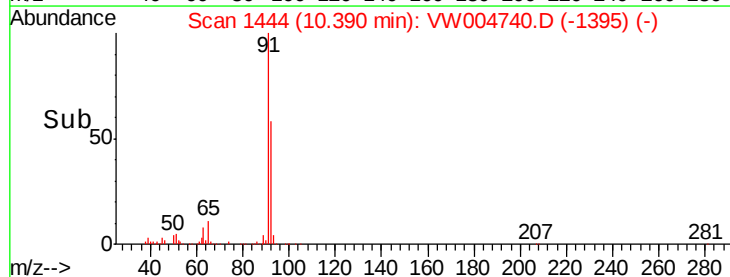
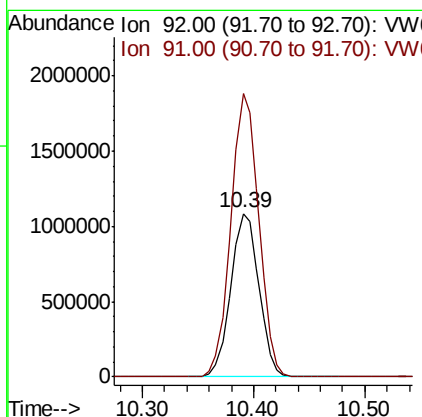
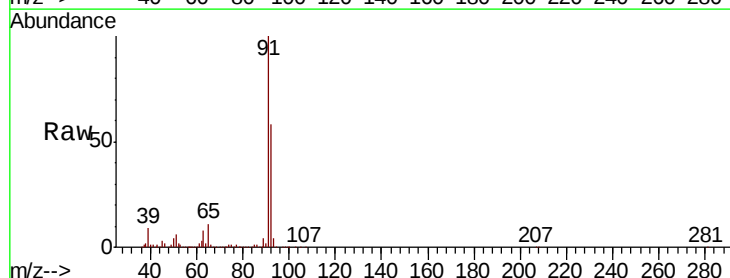
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

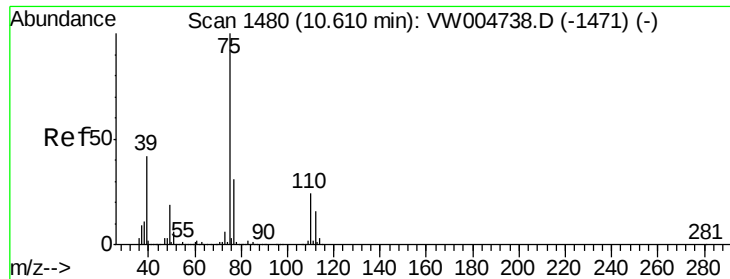
Tgt Ion: 43 Resp: 2812127
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.7 49.1



#52
 Toluene
 Concen: 101.104 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 92 Resp: 1889174
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 106.140 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

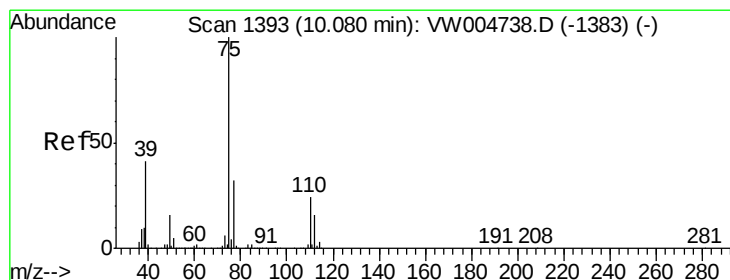
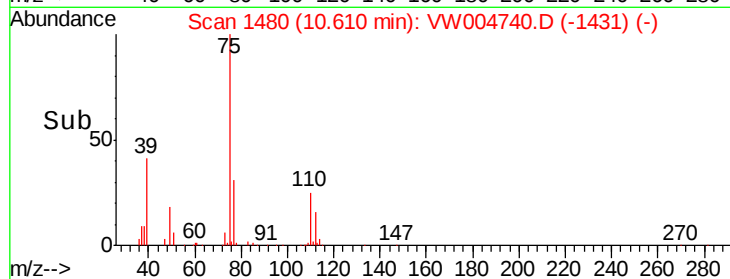
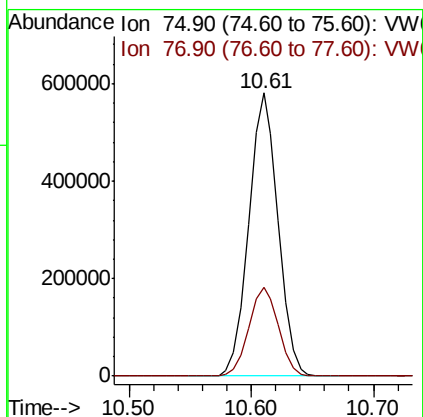
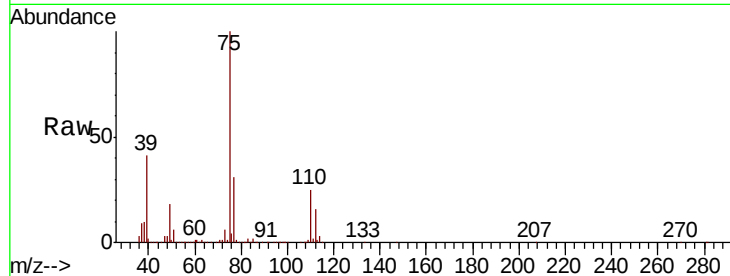
VSTDIC100

Tgt Ion: 75 Resp: 964236

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 105.812 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

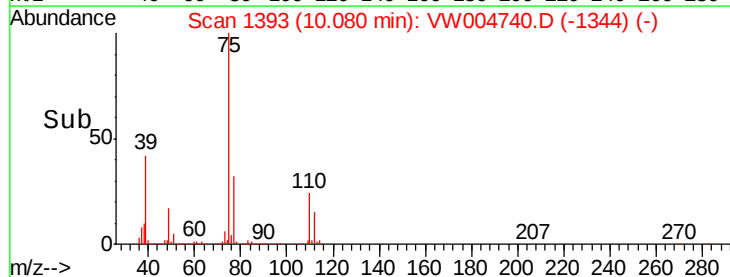
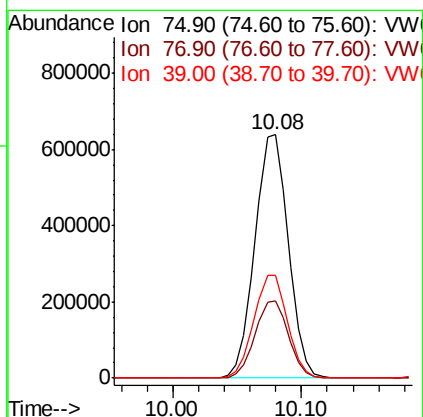
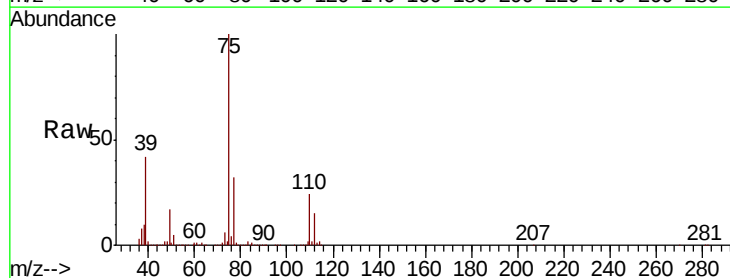
Tgt Ion: 75 Resp: 1145968

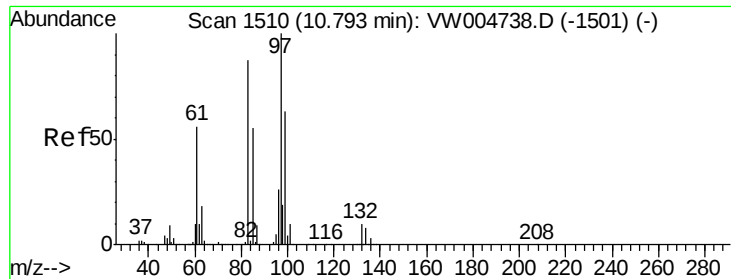
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 42.3 33.0 49.4

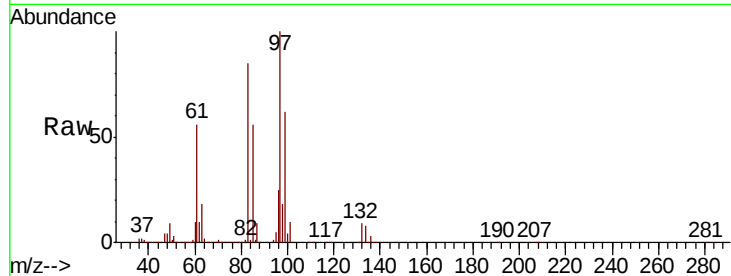




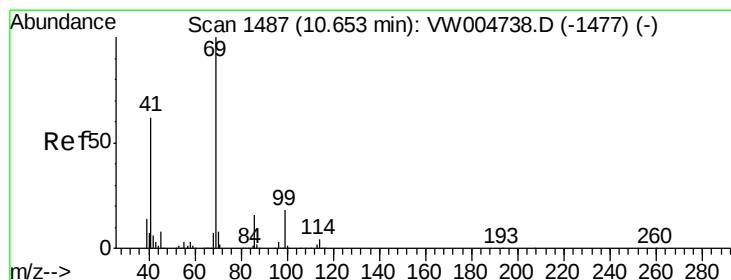
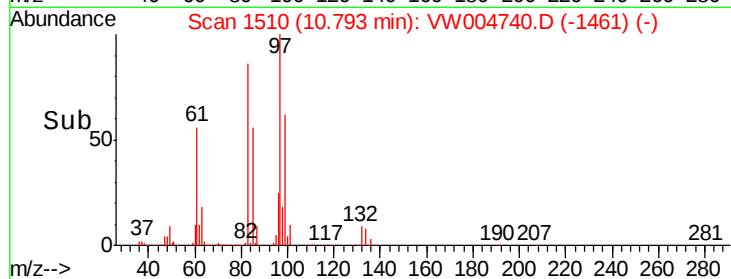
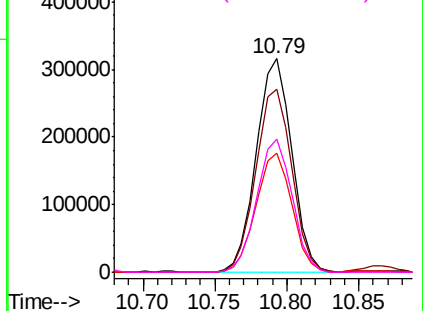
#55
 1,1,2-Trichloroethane
 Concen: 100.485 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	539281
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.4	104.2
85	55.6	44.3	66.5
99	62.4	50.2	75.2

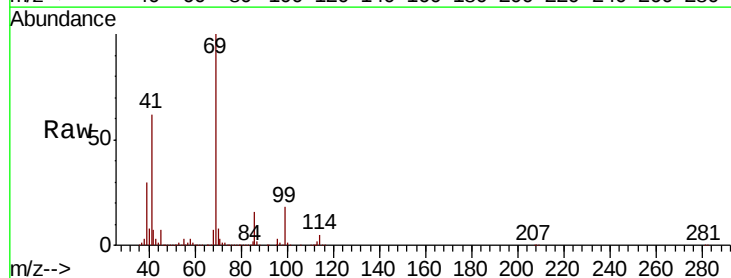


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

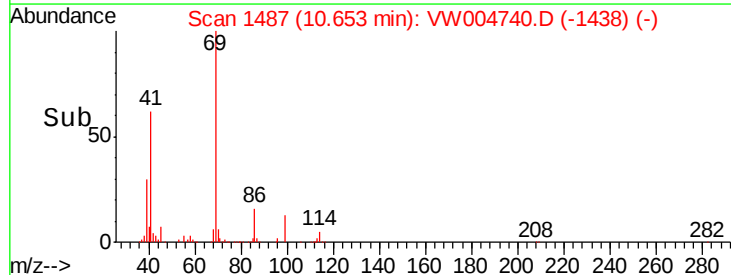
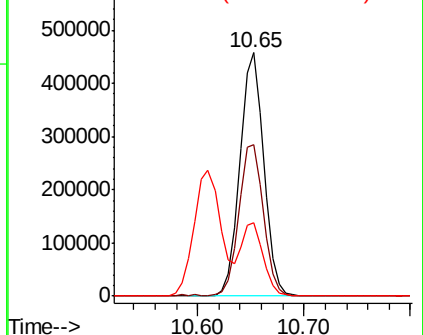


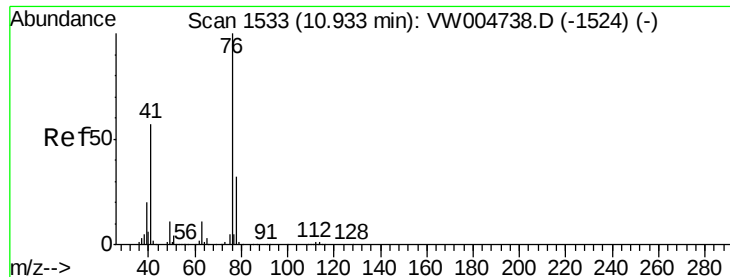
#56
 Ethyl methacrylate
 Concen: 113.899 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion:	69	Resp:	722094
Ion	Ratio	Lower	Upper
69	100		
41	64.0	50.7	76.1
39	27.4	21.4	32.2



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

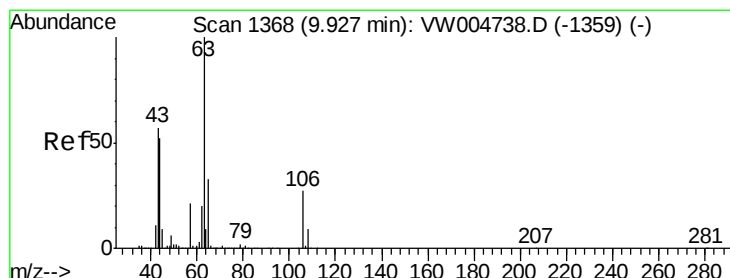
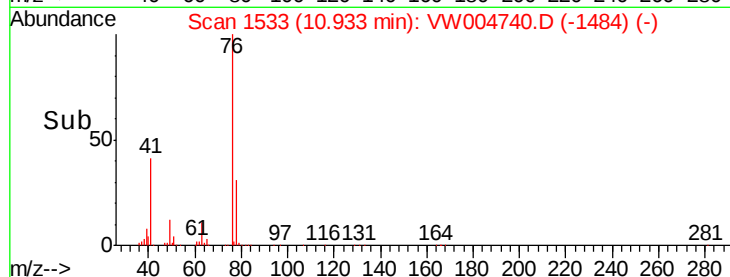
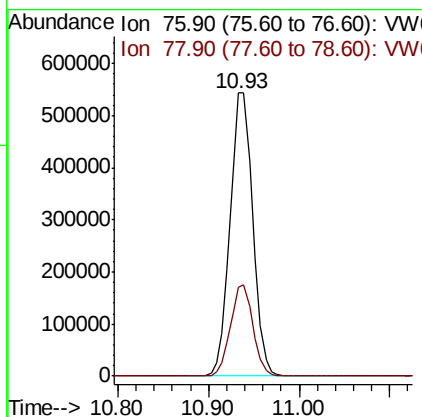
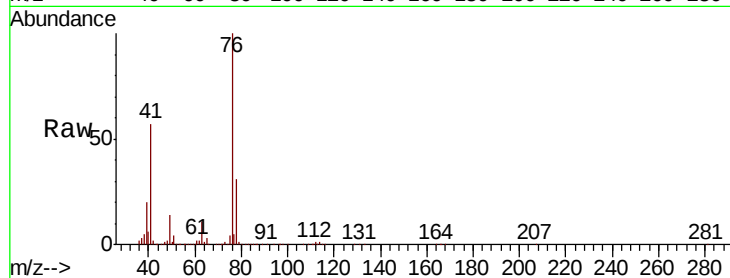




#57
 1,3-Dichloropropane
 Concen: 101.892 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

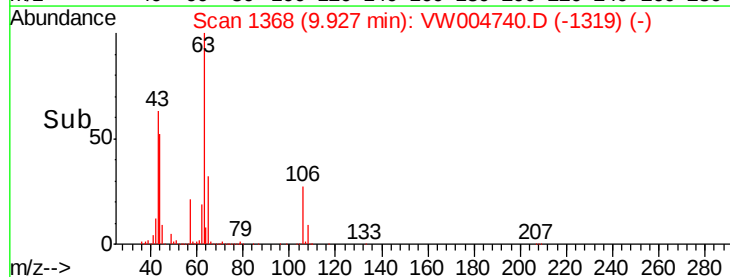
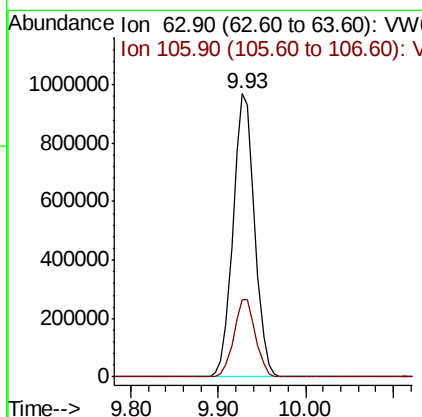
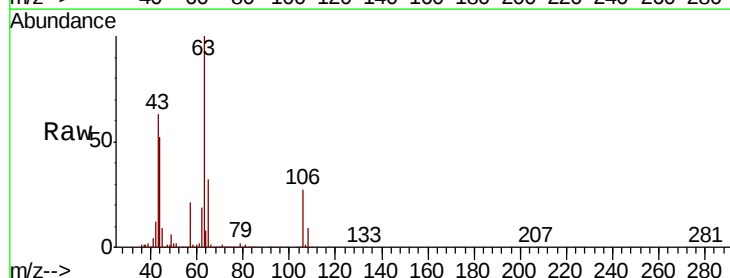
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

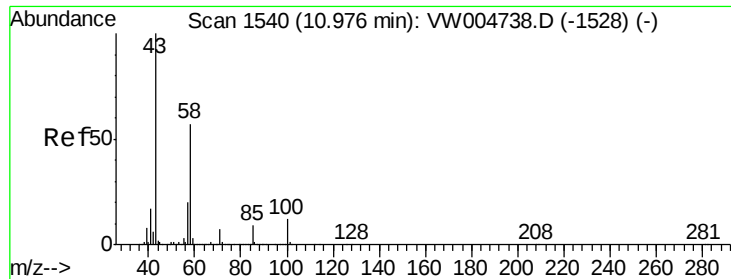
Tgt Ion: 76 Resp: 943928
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 561.906 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 63 Resp: 1665424
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.1 33.1

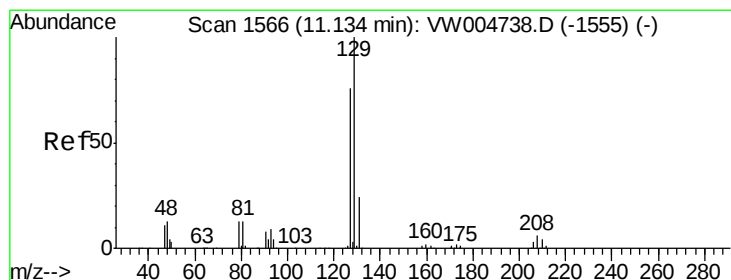
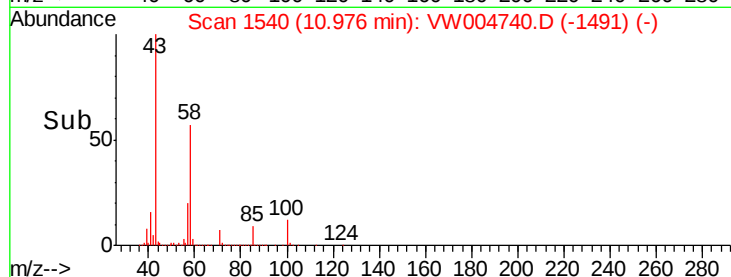
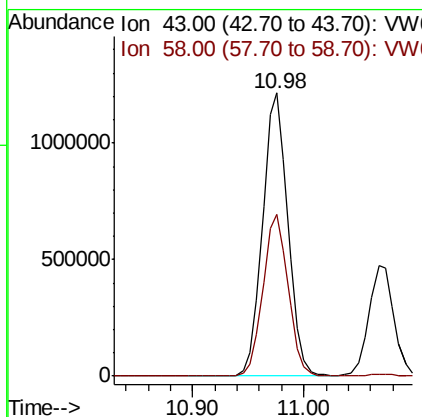
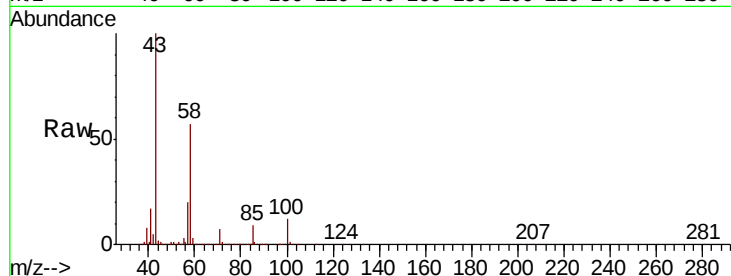




#59
2-Hexanone
Concen: 548.237 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

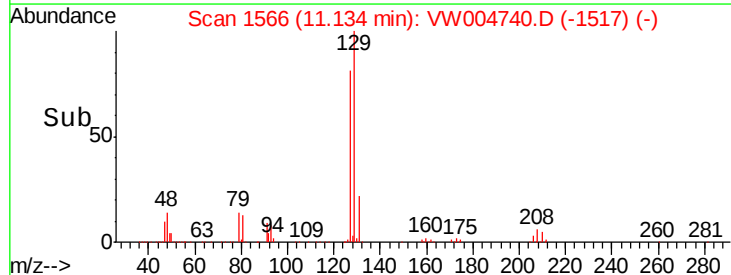
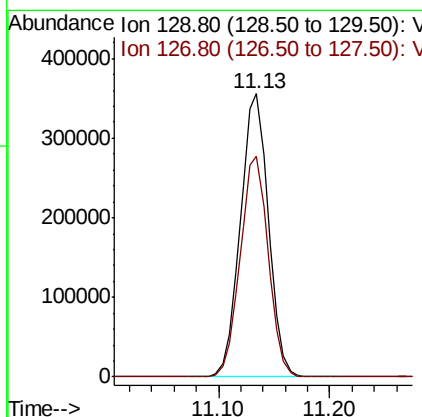
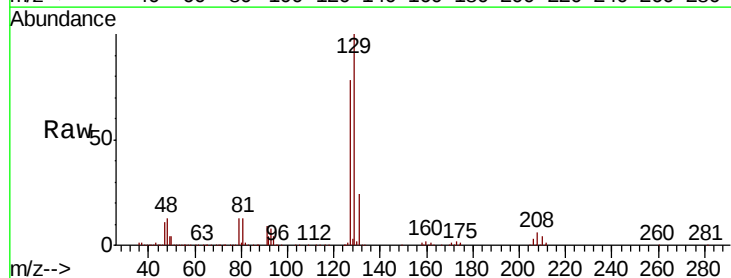
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

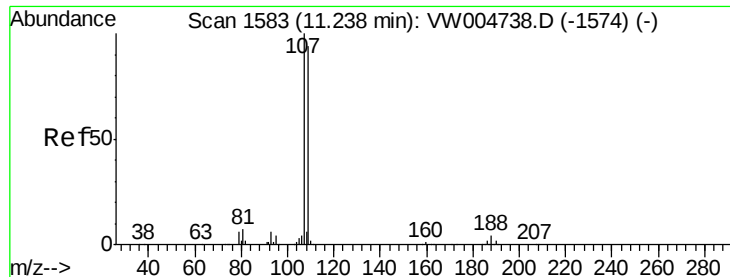
Tgt Ion: 43 Resp: 1927142
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.4



#60
Dibromochloromethane
Concen: 103.018 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 129 Resp: 620293
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 101.011 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

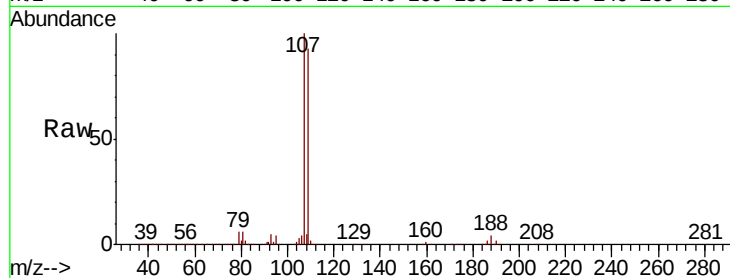
VSTDIC100

Tgt Ion: 107 Resp: 518188

Ion Ratio Lower Upper

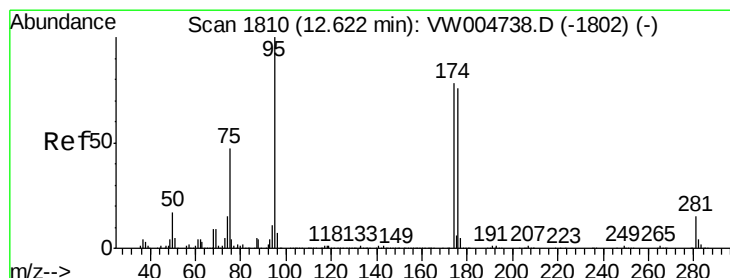
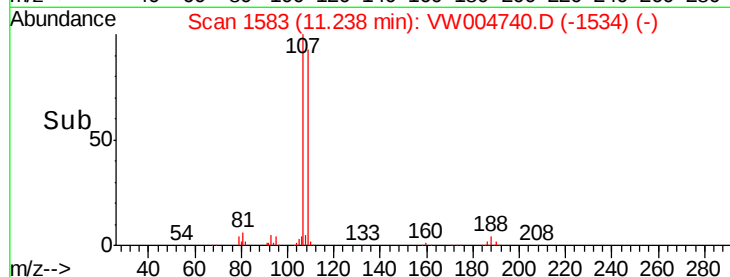
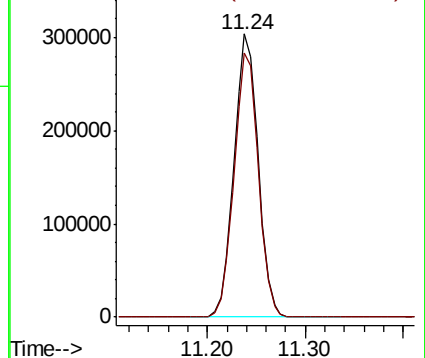
107 100

109 94.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 103.175 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

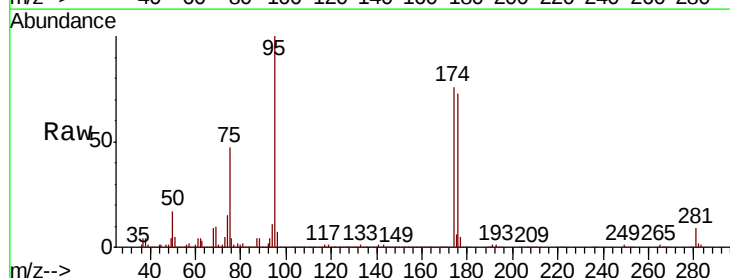
Tgt Ion: 95 Resp: 963718

Ion Ratio Lower Upper

95 100

174 81.6 0.0 165.8

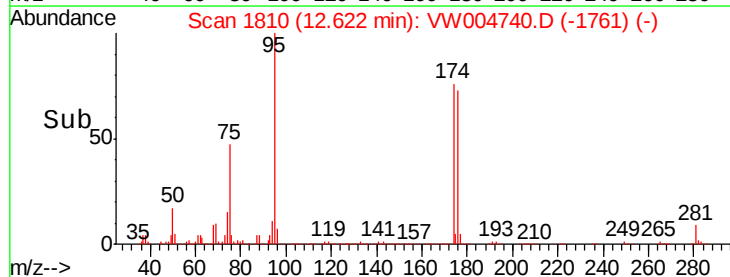
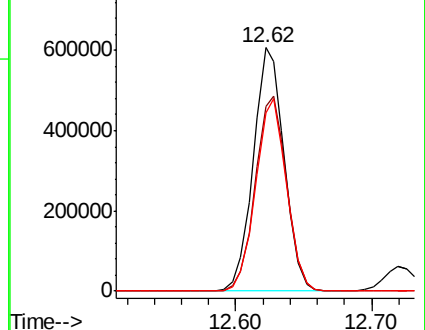
176 79.1 0.0 159.8

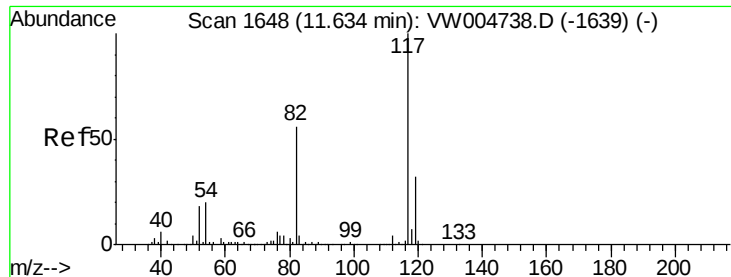


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

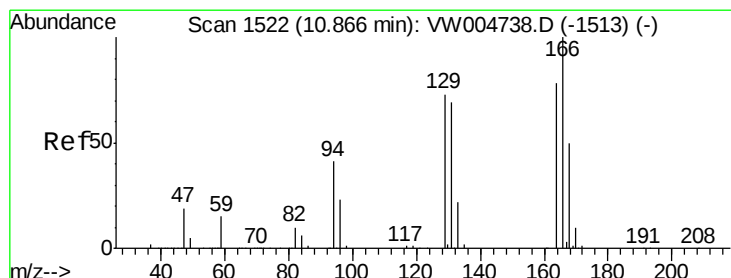
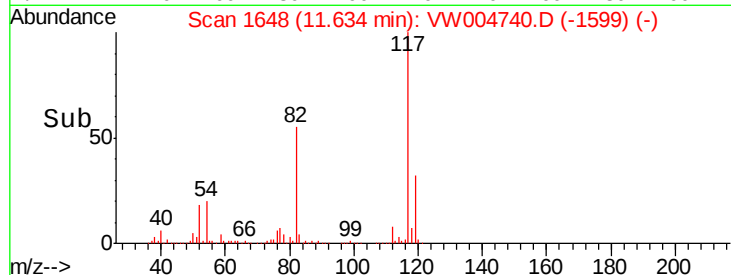
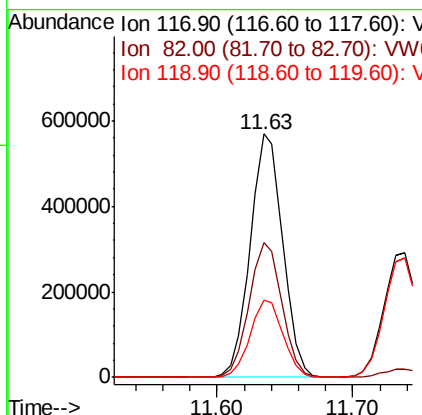
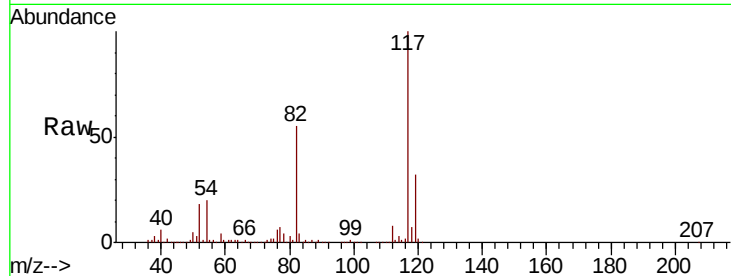




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

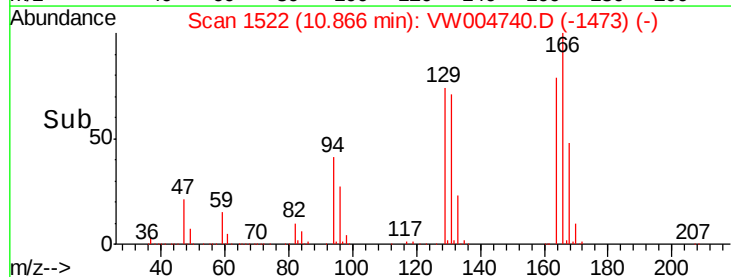
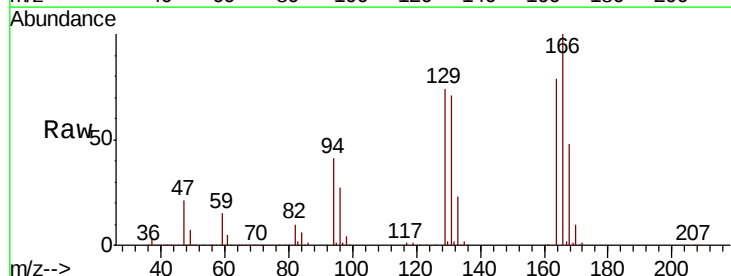
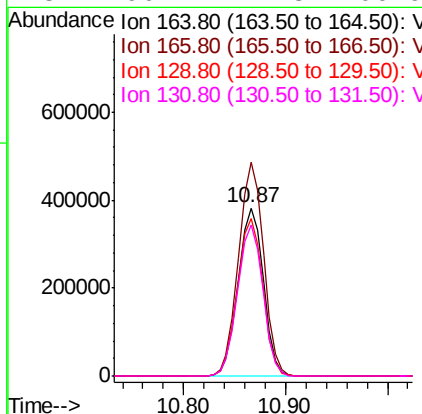
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

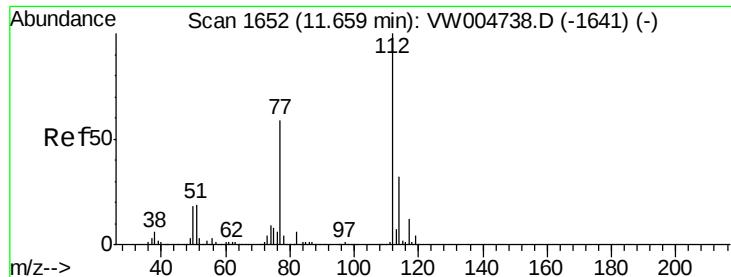
Tgt Ion:117 Resp: 958941
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 99.496 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion:164 Resp: 652059
Ion Ratio Lower Upper
164 100
166 127.2 102.5 153.7
129 93.9 75.1 112.7
131 90.1 71.3 106.9

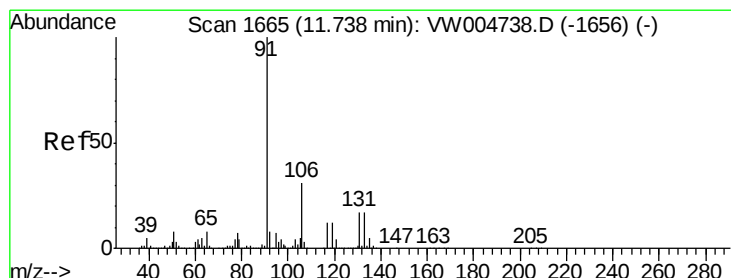
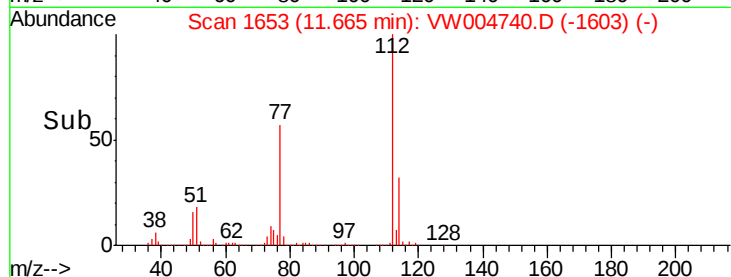
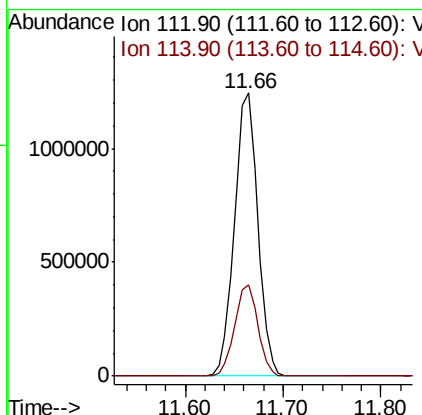
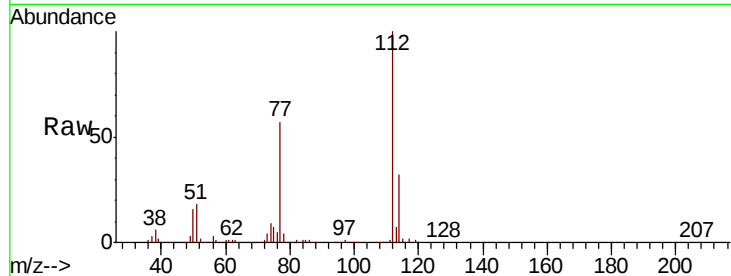




#65
Chlorobenzene
Concen: 99.924 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

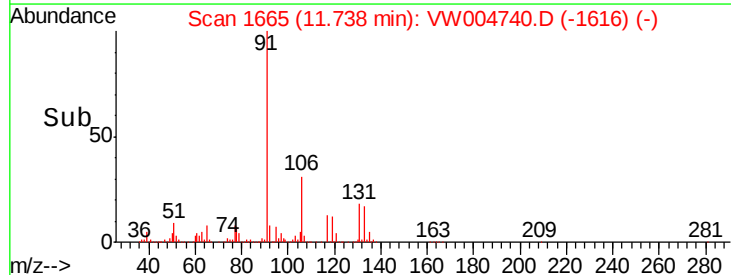
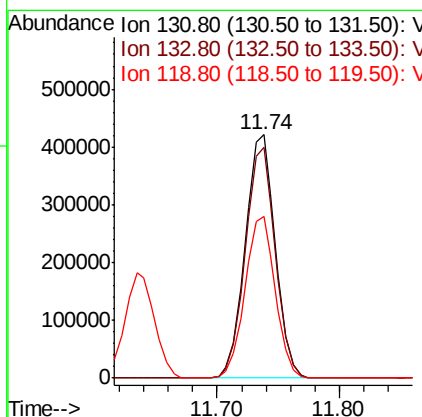
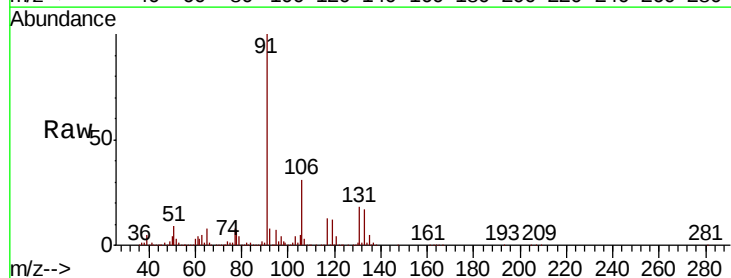
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

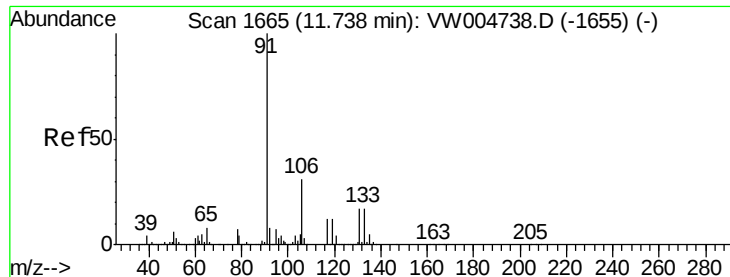
Tgt Ion:112 Resp: 2062377
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 103.140 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion:131 Resp: 718774
Ion Ratio Lower Upper
131 100
133 94.7 48.2 144.6
119 66.8 34.0 102.0

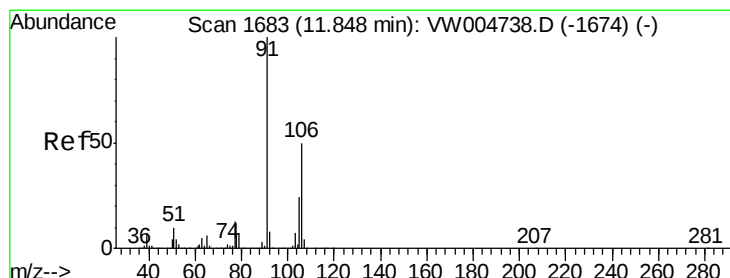
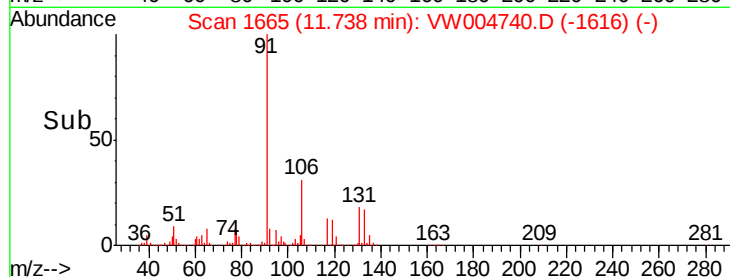
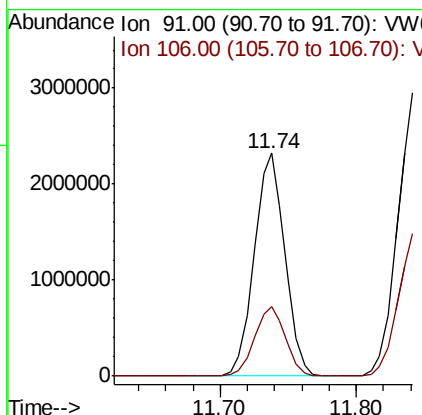
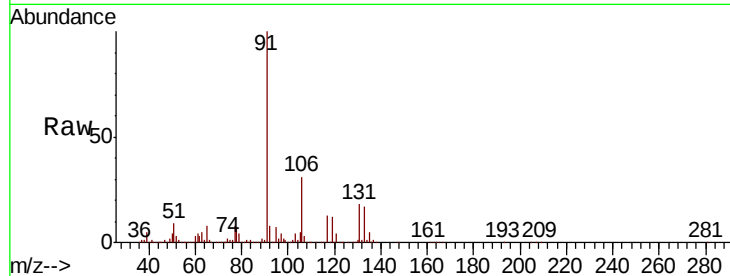




#67
Ethyl Benzene
Concen: 104.613 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

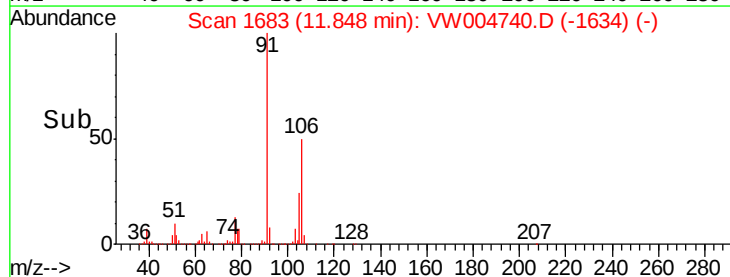
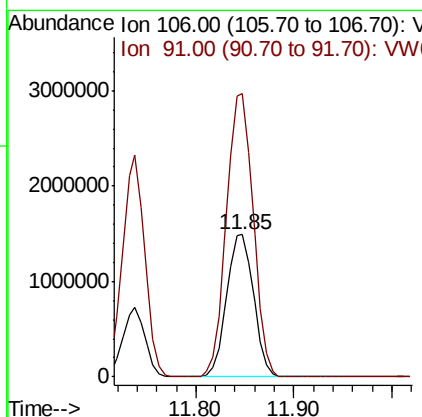
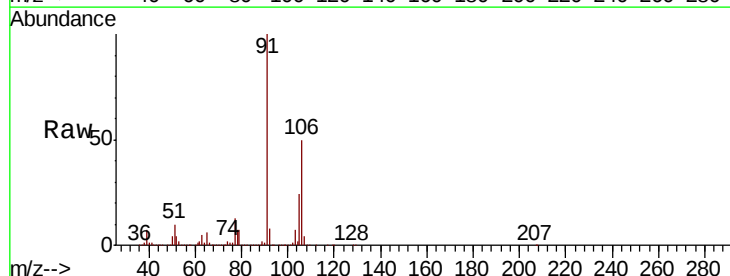
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

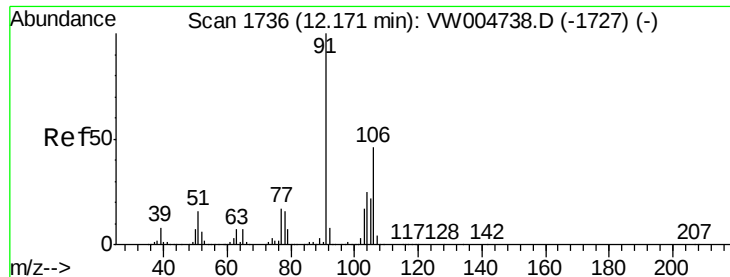
Tgt Ion: 91 Resp: 3660373
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 208.616 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion: 106 Resp: 2839871
Ion Ratio Lower Upper
106 100
91 199.4 159.9 239.9

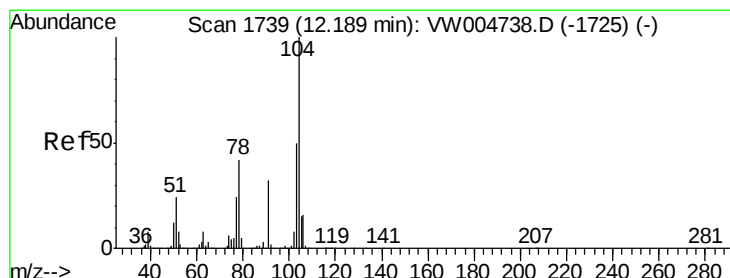
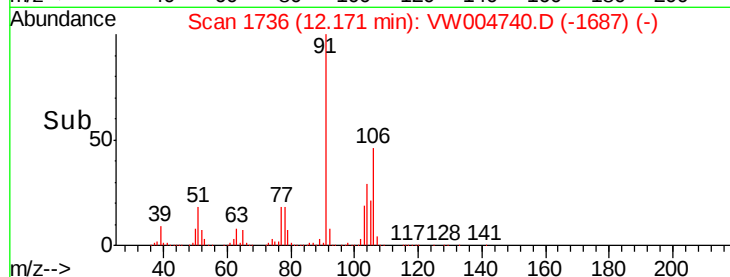
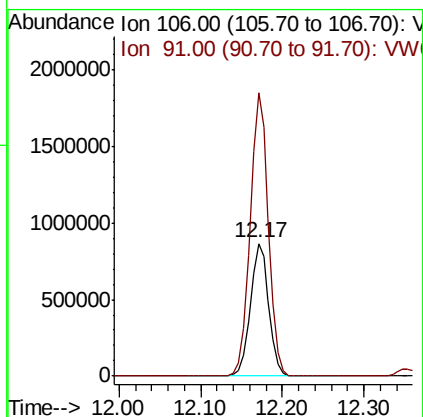
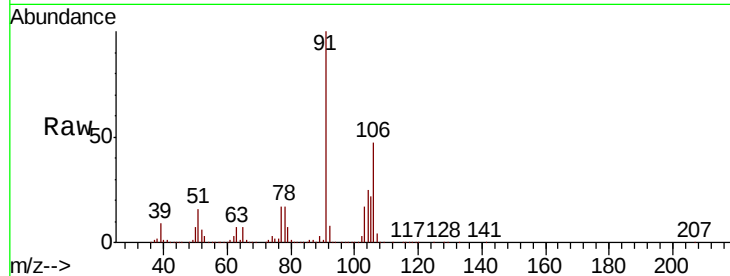




#69
o-Xylene
Concen: 107.627 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

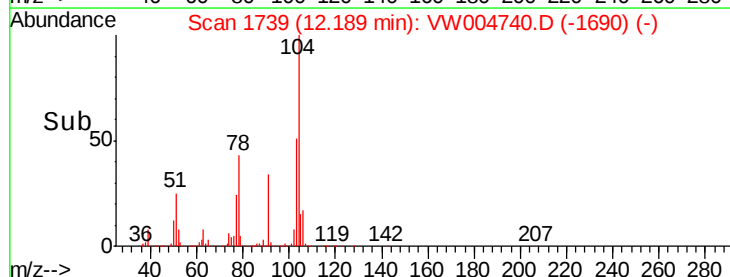
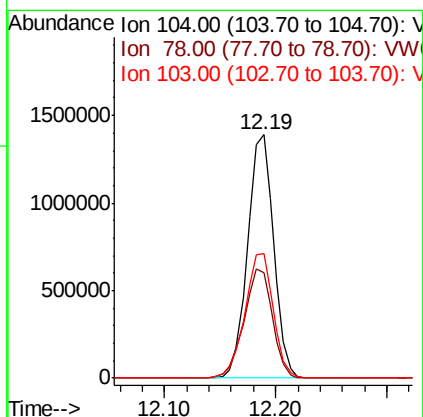
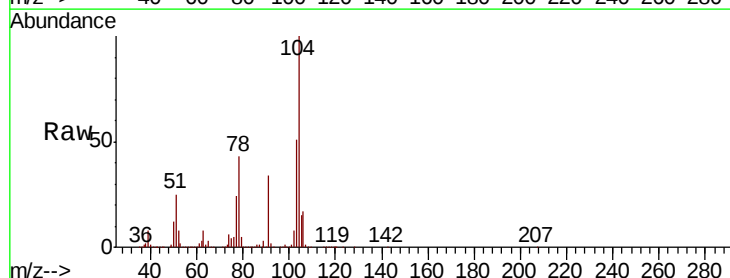
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

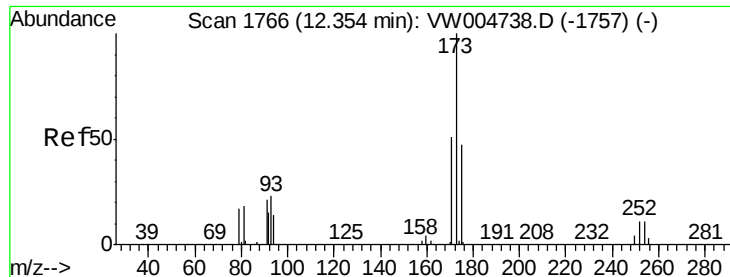
Tgt Ion:106 Resp: 1356318
Ion Ratio Lower Upper
106 100
91 211.7 107.3 321.8



#70
Styrene
Concen: 107.106 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion:104 Resp: 2267297
Ion Ratio Lower Upper
104 100
78 48.7 38.4 57.6
103 55.4 44.1 66.1





#71

Bromoform

Concen: 105.696 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

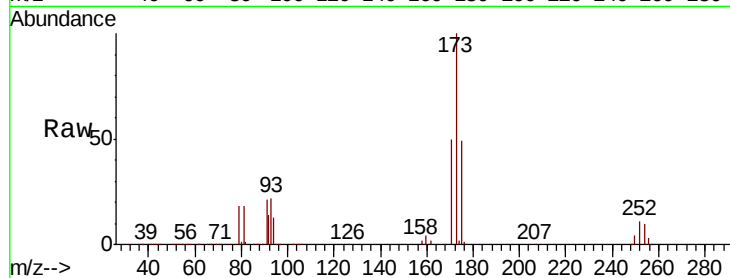
Tgt Ion:173 Resp: 388782

Ion Ratio Lower Upper

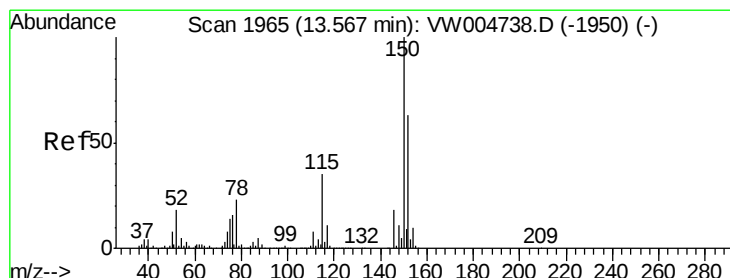
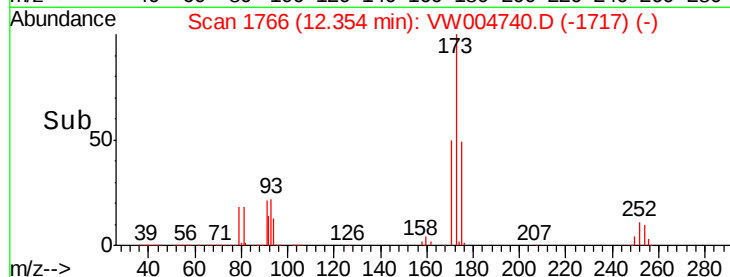
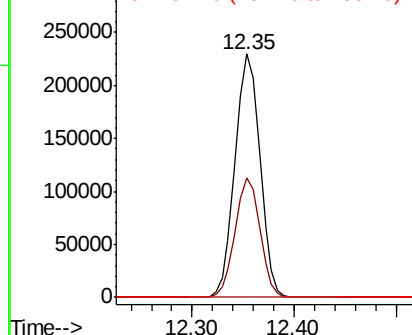
173 100

175 48.7 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

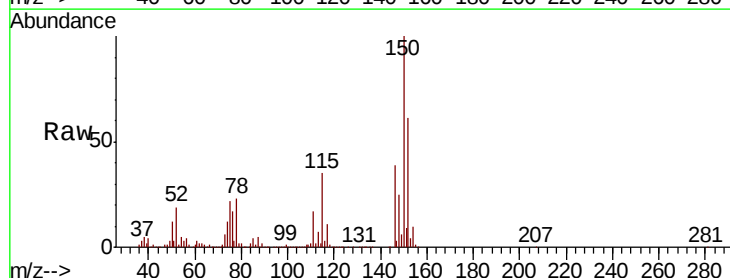
Tgt Ion:152 Resp: 504271

Ion Ratio Lower Upper

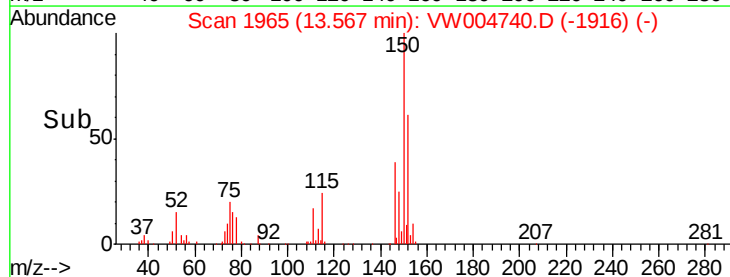
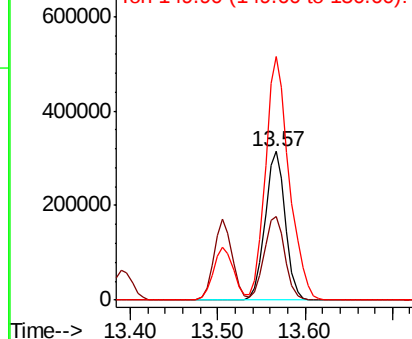
152 100

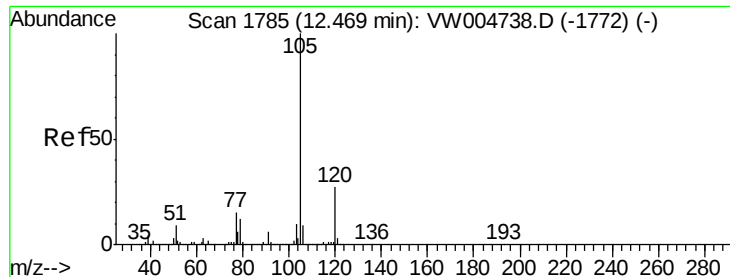
115 57.5 28.5 85.5

150 191.7 0.0 344.8



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: 107.756 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

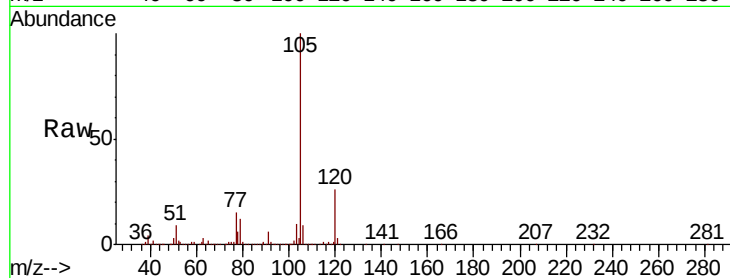
VSTDIC100

Tgt Ion:105 Resp: 3696686

Ion Ratio Lower Upper

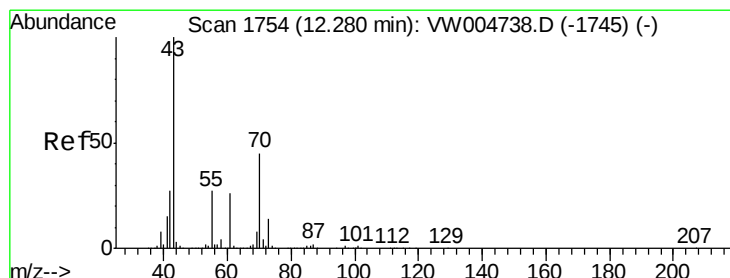
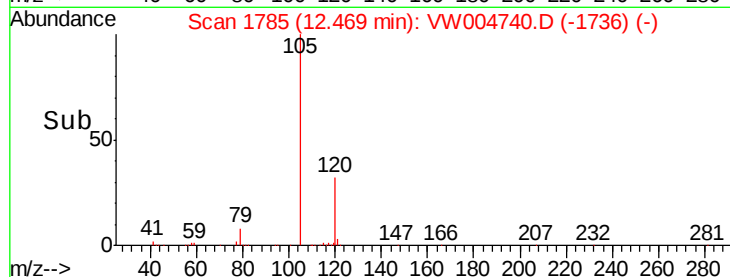
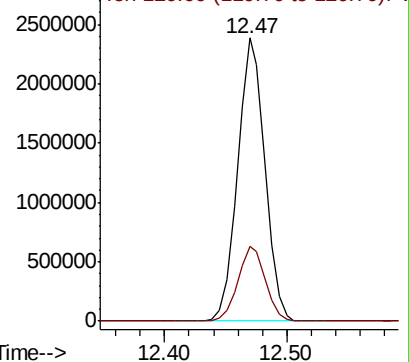
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 114.994 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Tgt Ion: 43 Resp: 826989

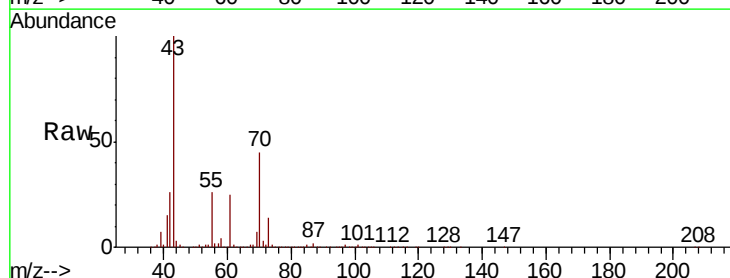
Ion Ratio Lower Upper

43 100

70 44.9 36.3 54.5

55 26.8 22.6 33.8

61 25.3 20.2 30.4

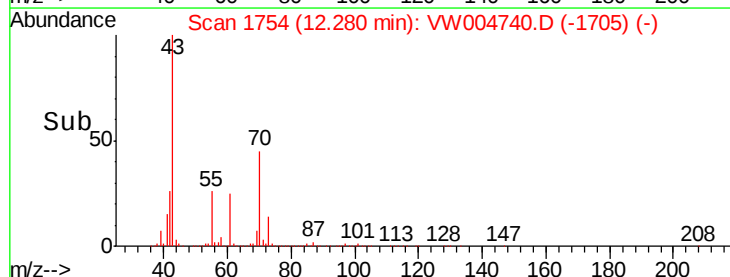
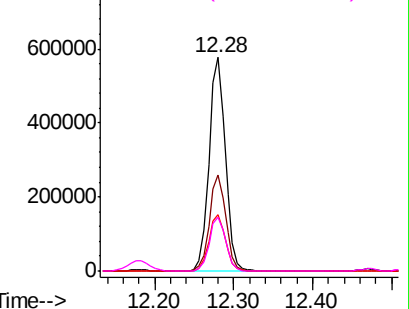


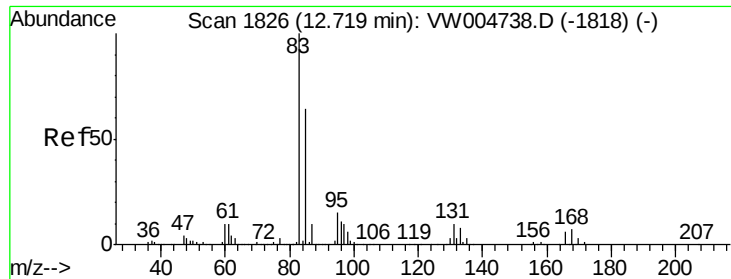
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 103.238 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

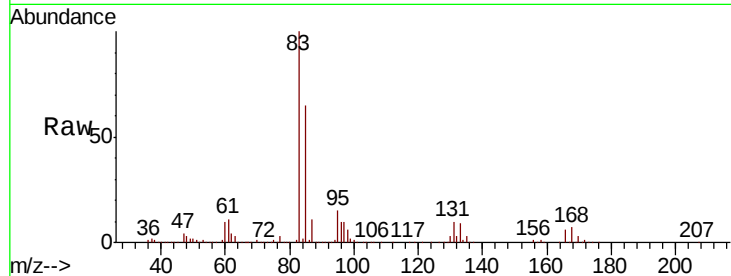
Tgt Ion: 83 Resp: 656091

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

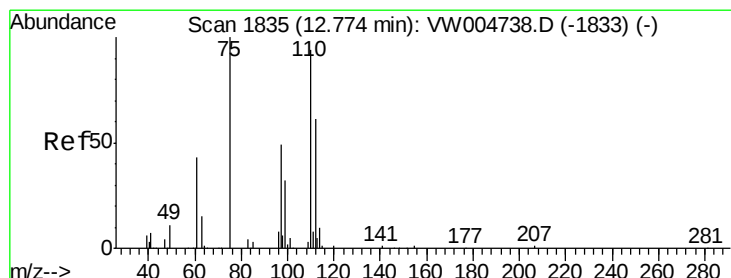
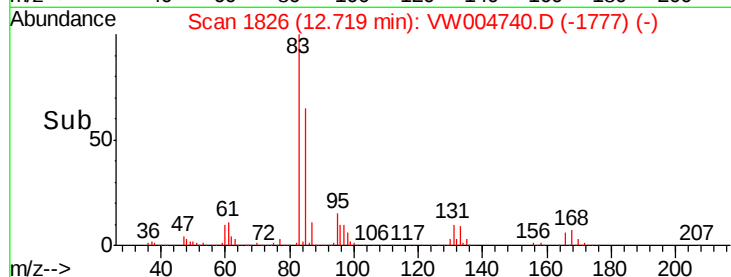
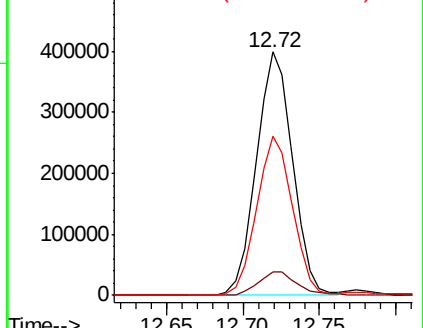
85 64.7 31.9 95.9



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: 115.564 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004740.D

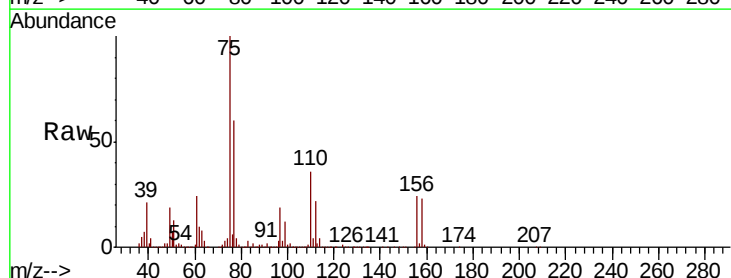
Acq: 17 Aug 2018 18:03

Tgt Ion: 75 Resp: 863182

Ion Ratio Lower Upper

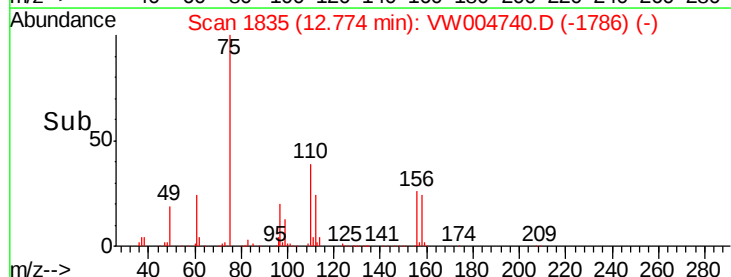
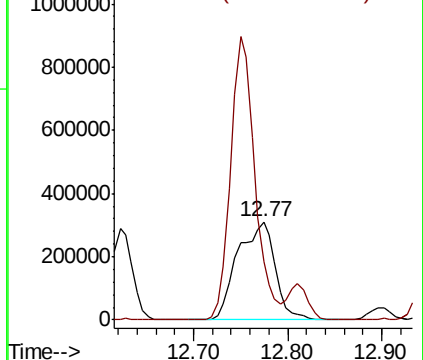
75 100

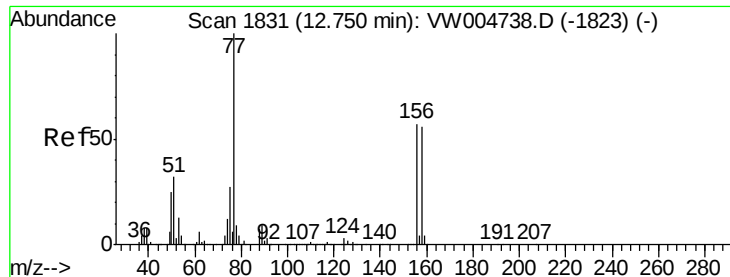
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 103.171 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

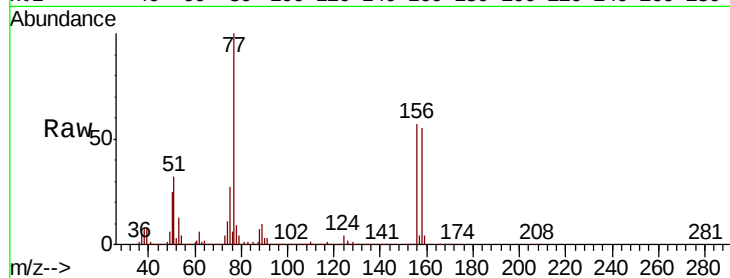
Tgt Ion: 156 Resp: 856710

Ion Ratio Lower Upper

156 100

77 187.9 94.2 282.4

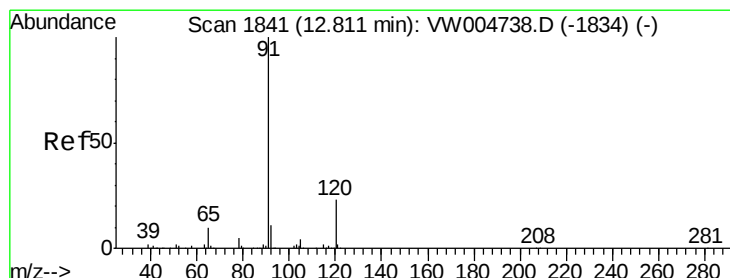
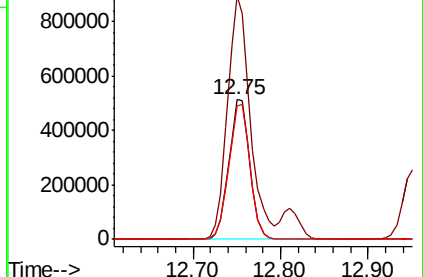
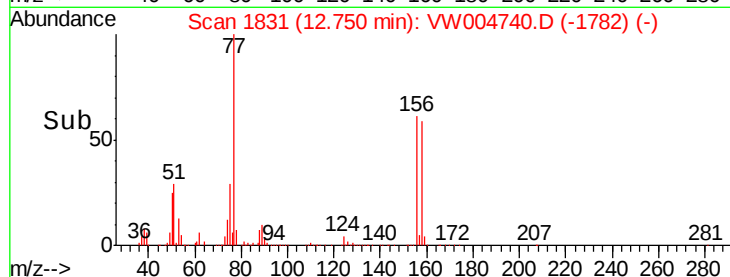
158 97.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 106.398 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004740.D

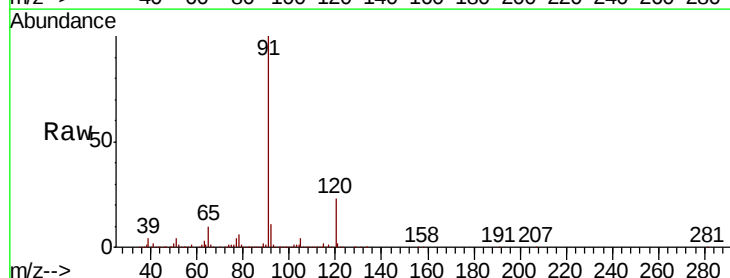
Acq: 17 Aug 2018 18:03

Tgt Ion: 91 Resp: 4454113

Ion Ratio Lower Upper

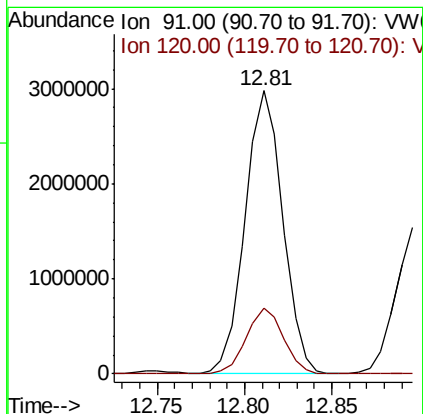
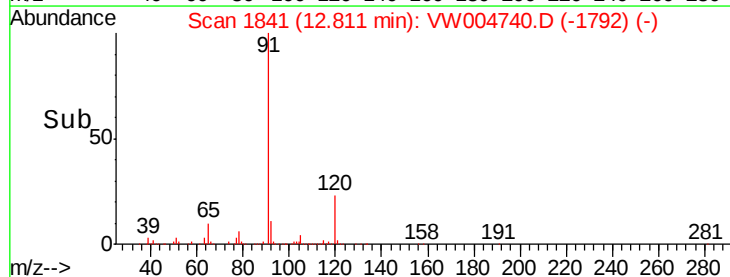
91 100

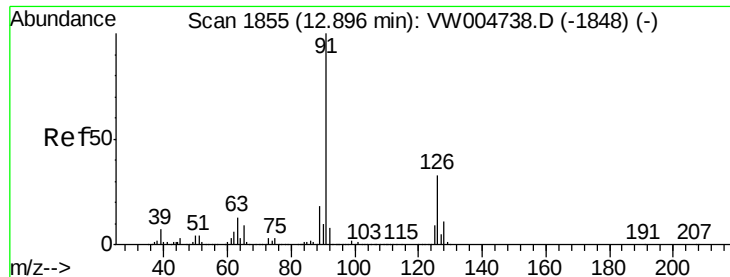
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

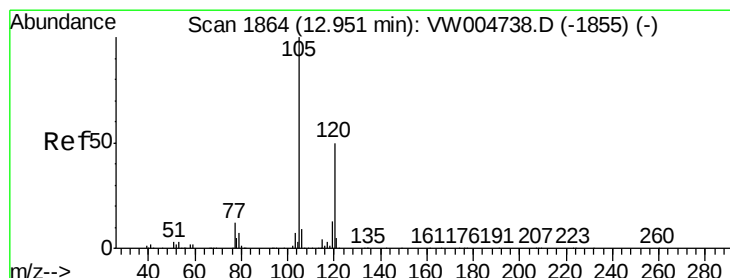
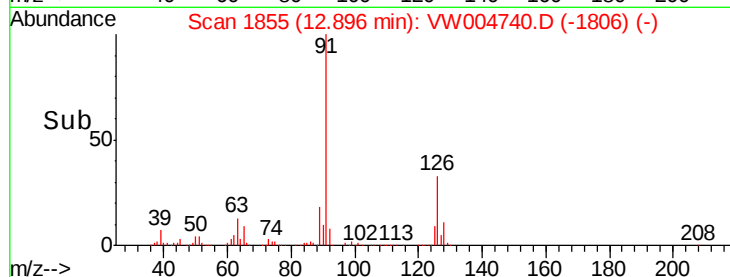
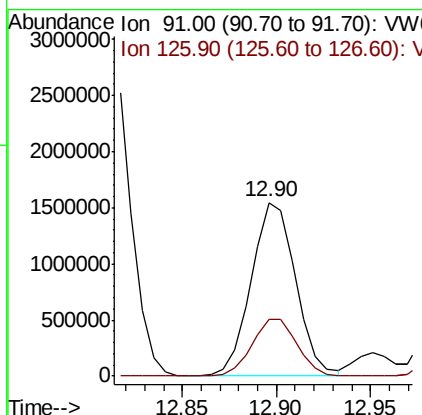
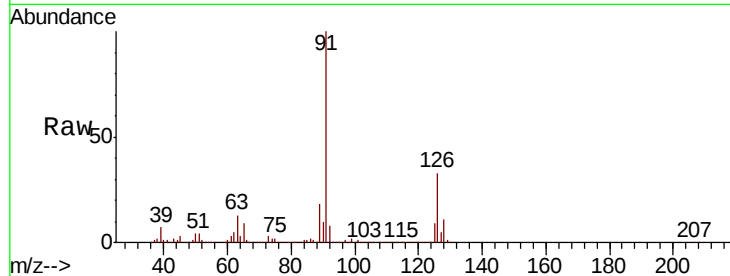




#79
 2-Chlorotoluene
 Concen: 104.895 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

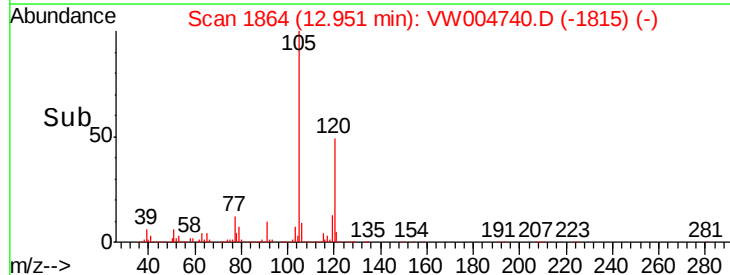
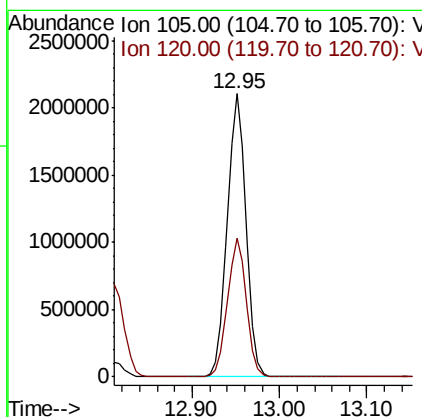
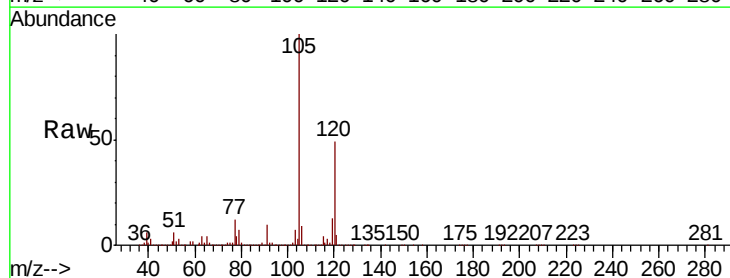
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

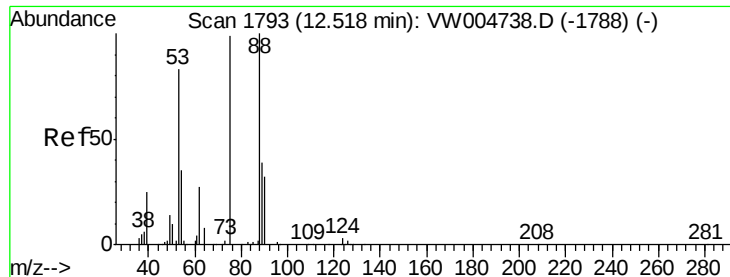
Tgt Ion: 91 Resp: 2531130
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 107.297 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004740.D
 Acq: 17 Aug 2018 18:03

Tgt Ion: 105 Resp: 3127173
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 111.459 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

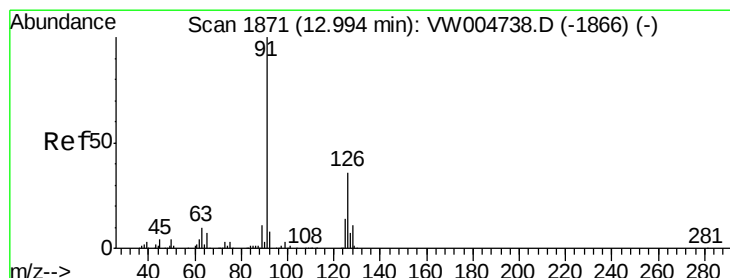
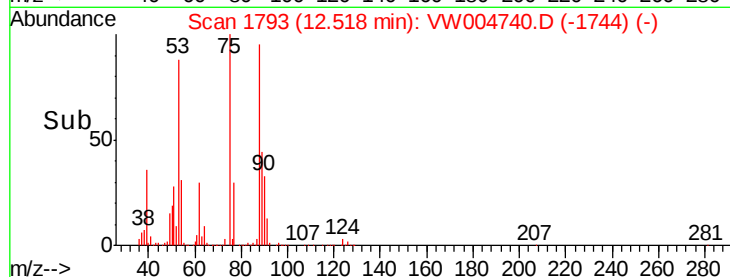
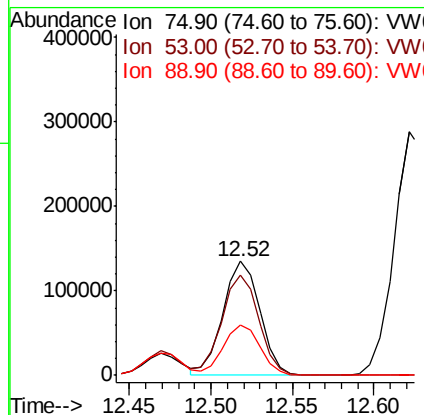
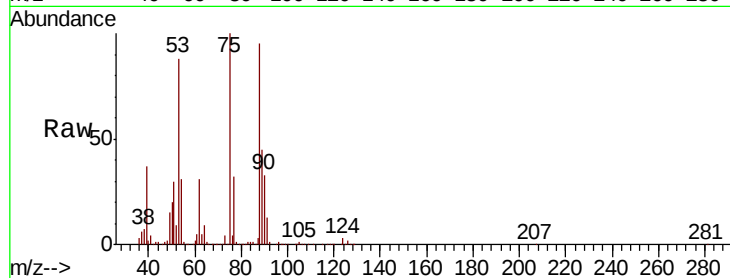
Tgt Ion: 75 Resp: 213170

Ion Ratio Lower Upper

75 100

53 88.3 72.2 108.4

89 44.2 35.2 52.8



#82

4-Chlorotoluene

Concen: 103.573 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004740.D

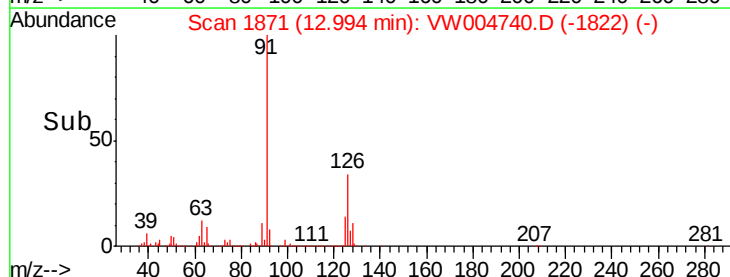
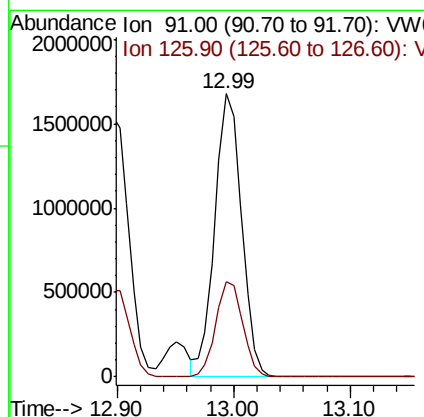
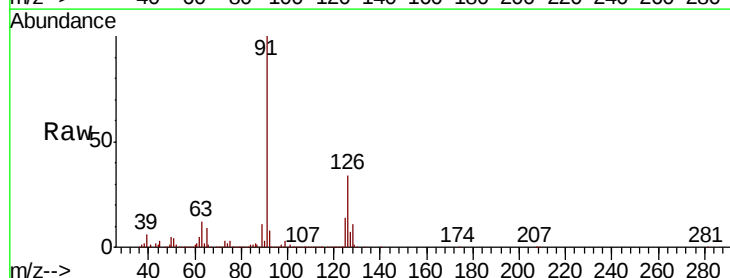
Acq: 17 Aug 2018 18:03

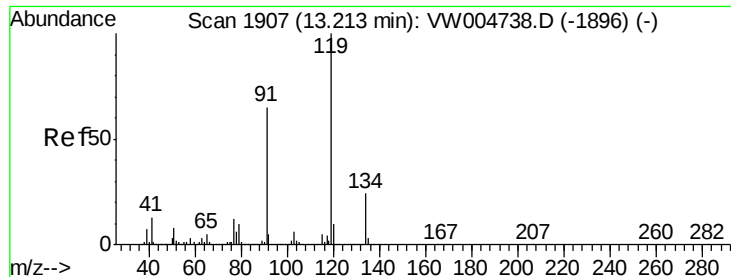
Tgt Ion: 91 Resp: 2655427

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7





#83

tert-Butylbenzene

Concen: 108.533 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

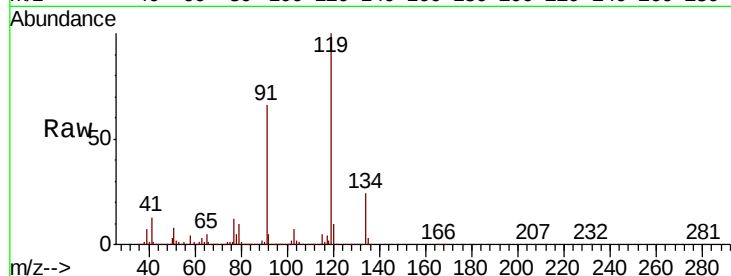
Tgt Ion:119 Resp: 2705594

Ion Ratio Lower Upper

119 100

91 65.3 32.6 97.8

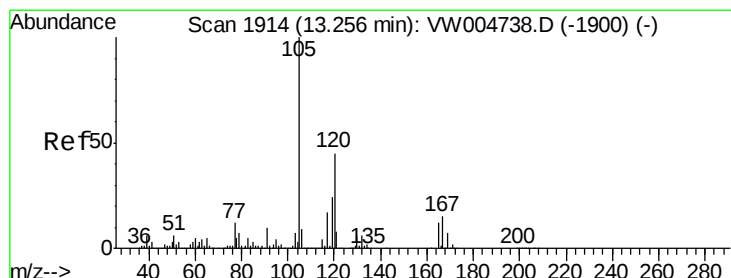
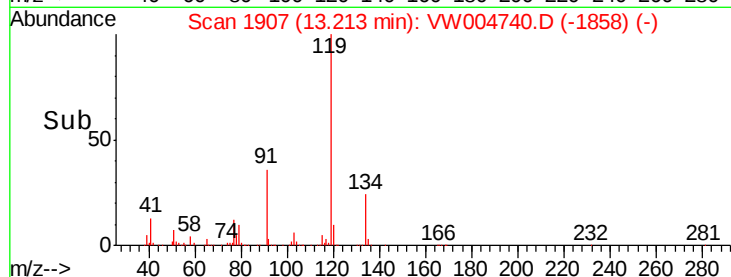
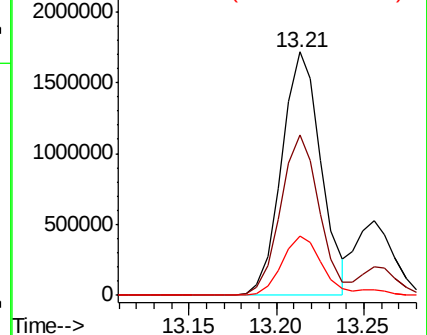
134 26.2 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 106.409 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. -0.00 min

Lab File: VW004740.D

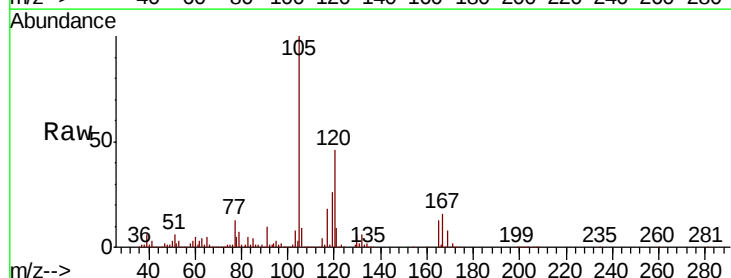
Acq: 17 Aug 2018 18:03

Tgt Ion:105 Resp: 3190745

Ion Ratio Lower Upper

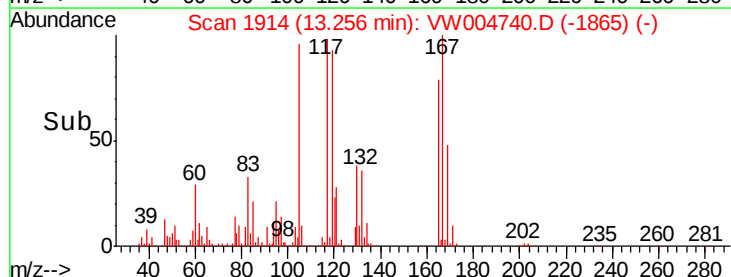
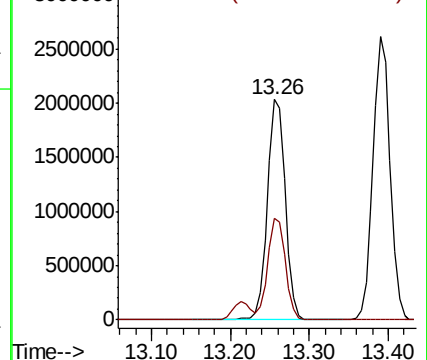
105 100

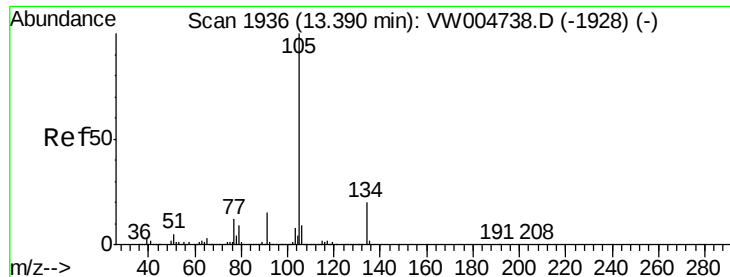
120 45.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 105.881 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

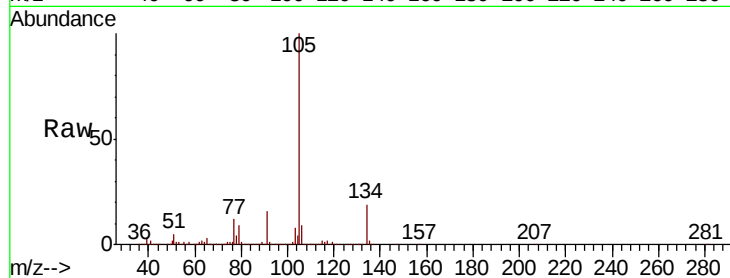
VSTDIC100

Tgt Ion:105 Resp: 3940772

Ion Ratio Lower Upper

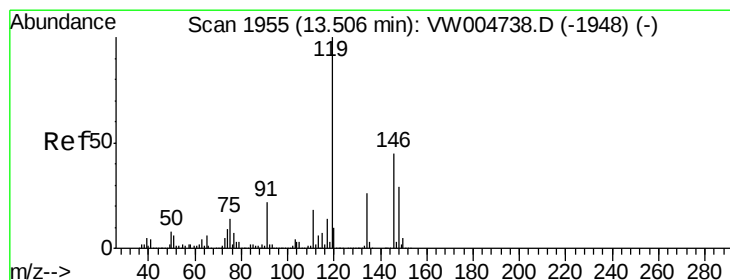
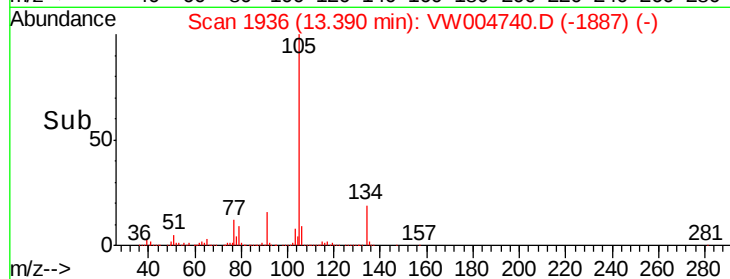
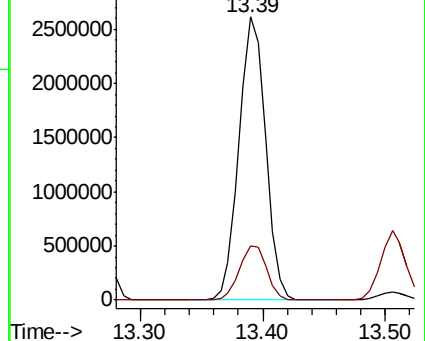
105 100

134 19.8 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.213 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

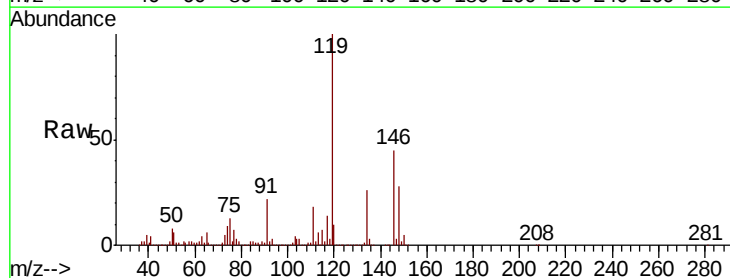
Tgt Ion:119 Resp: 3472001

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

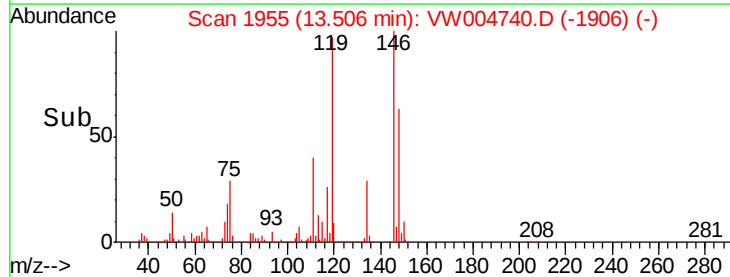
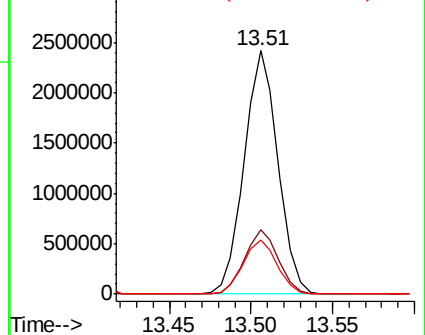
91 22.5 11.2 33.5

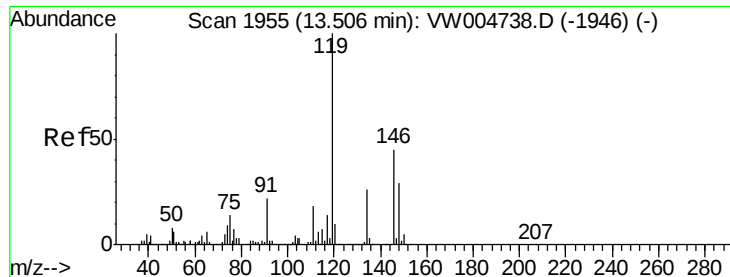


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 101.584 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

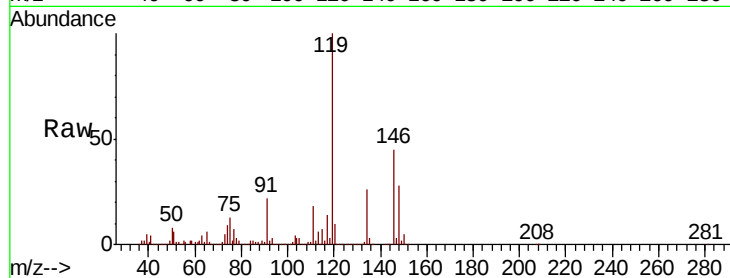
Tgt Ion:146 Resp: 1715802

Ion Ratio Lower Upper

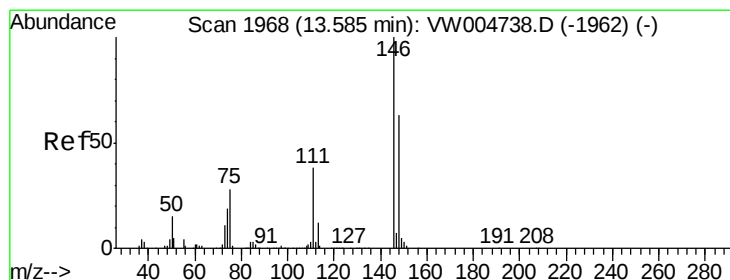
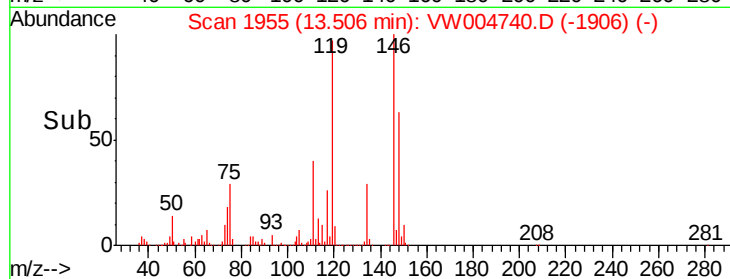
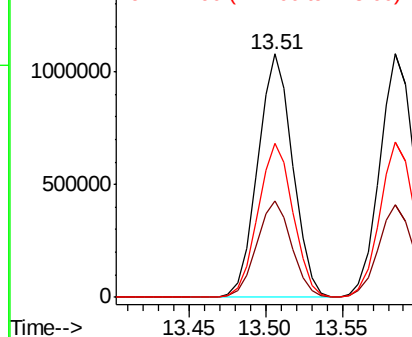
146 100

111 39.5 19.8 59.4

148 63.7 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 100.039 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

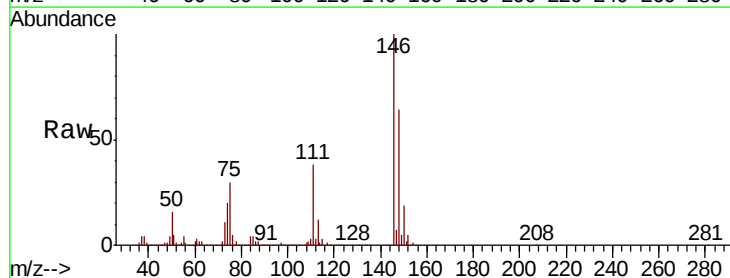
Tgt Ion:146 Resp: 1689026

Ion Ratio Lower Upper

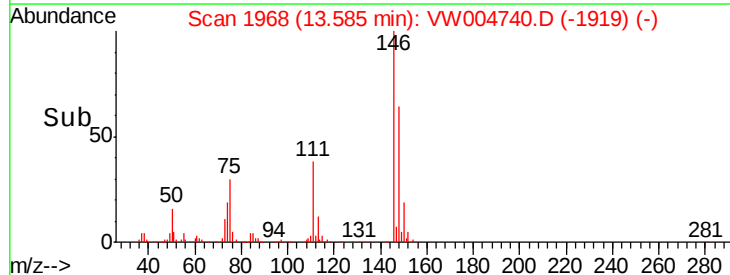
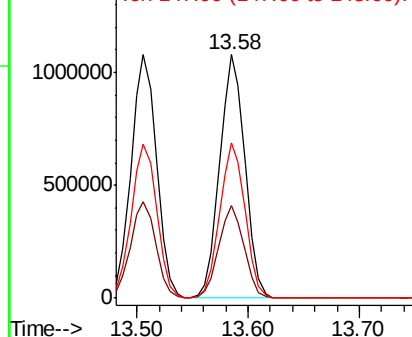
146 100

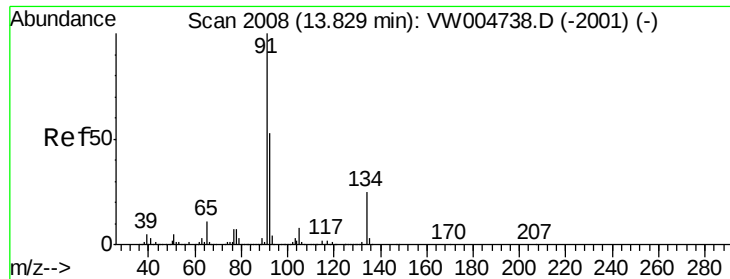
111 38.0 19.3 57.8

148 63.8 31.8 95.3



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





#89

n-Butylbenzene

Concen: 106.547 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

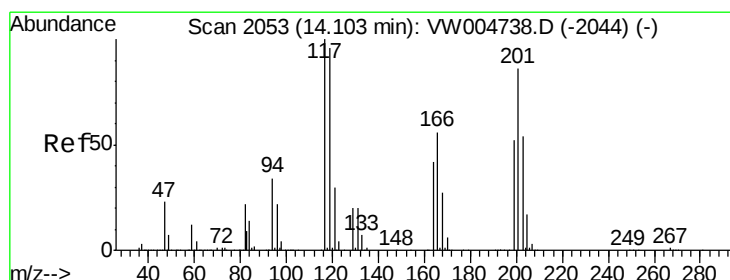
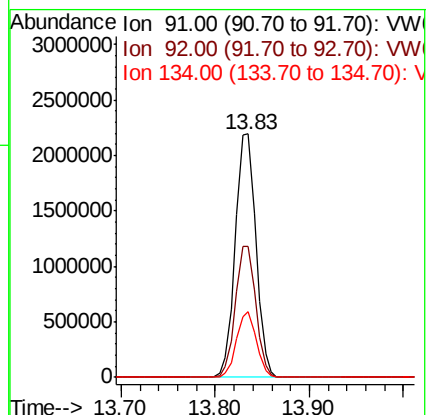
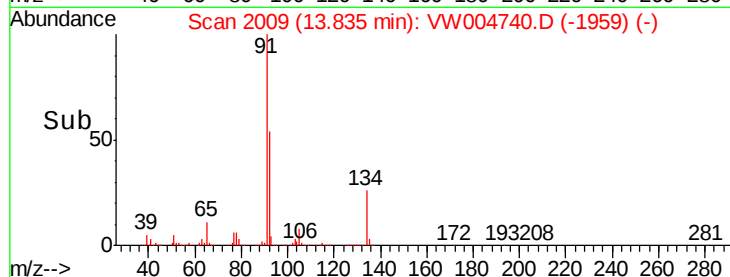
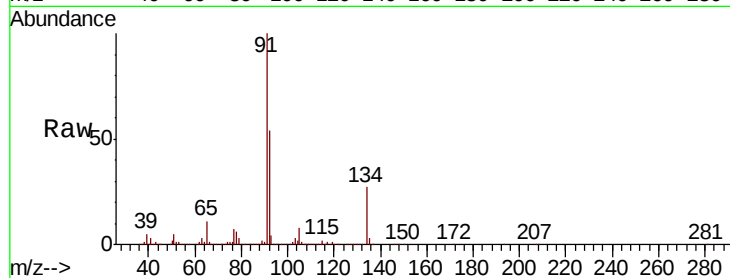
Tgt Ion: 91 Resp: 3336075

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.2

134 25.9 12.8 38.3



#90

Hexachloroethane

Concen: 104.959 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004740.D

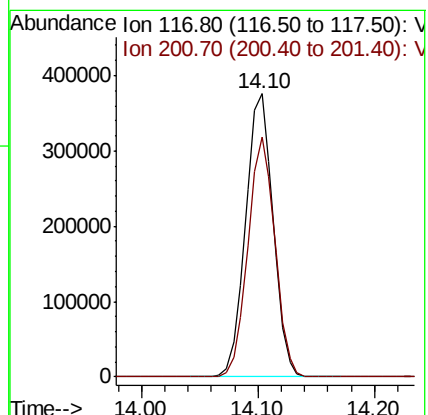
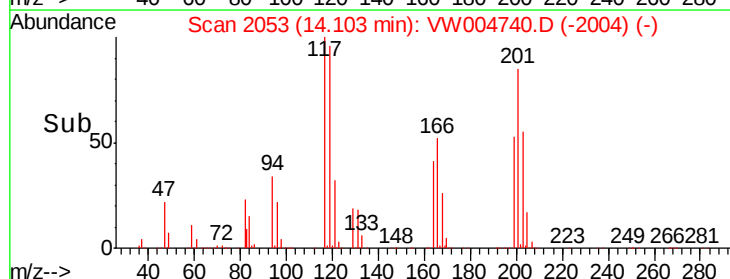
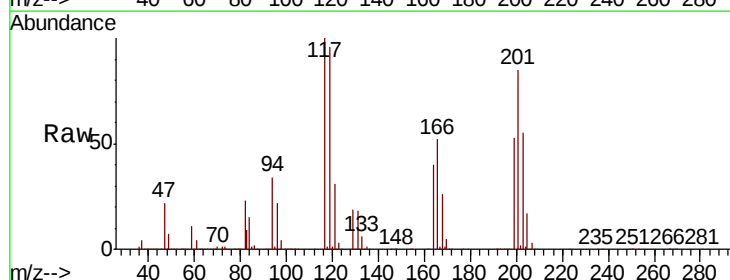
Acq: 17 Aug 2018 18:03

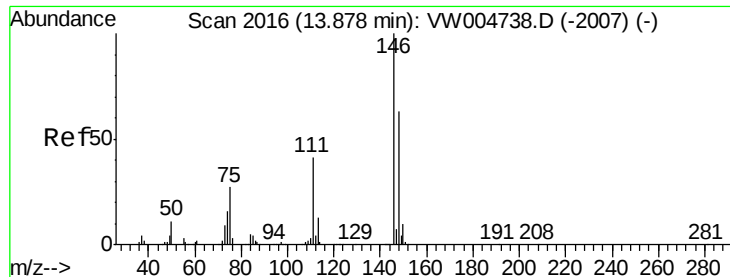
Tgt Ion: 117 Resp: 619562

Ion Ratio Lower Upper

117 100

201 83.4 42.4 127.2





#91

1,2-Dichlorobenzene

Concen: 101.894 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

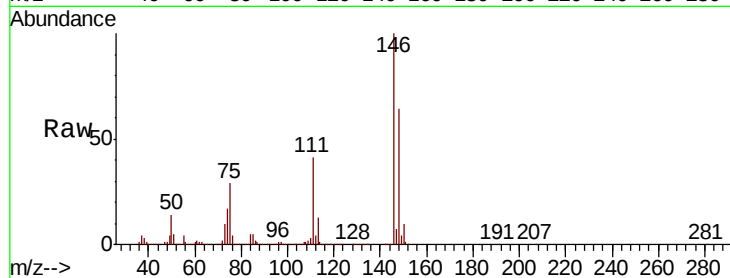
Tgt Ion:146 Resp: 1545808

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

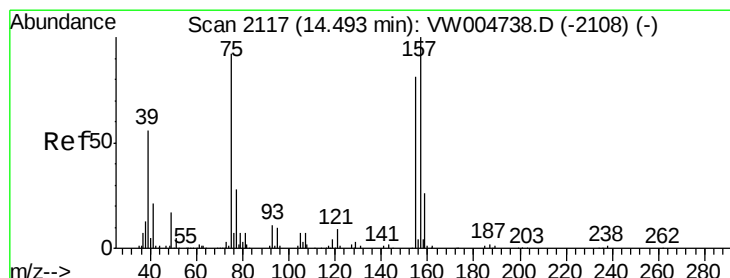
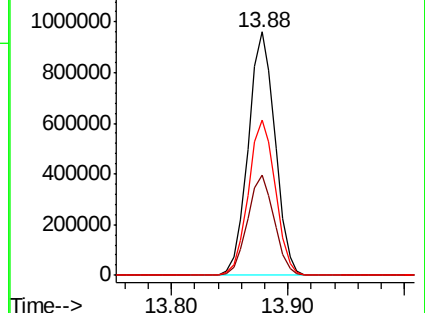
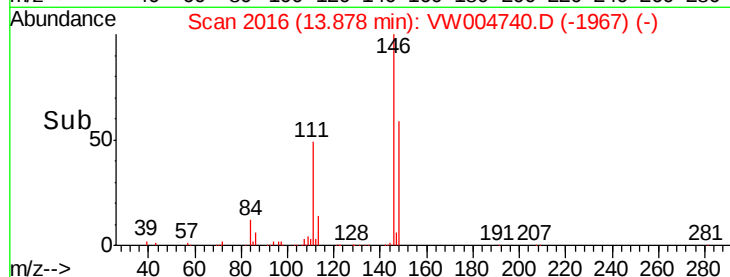
148 64.2 31.6 95.0



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: 108.378 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

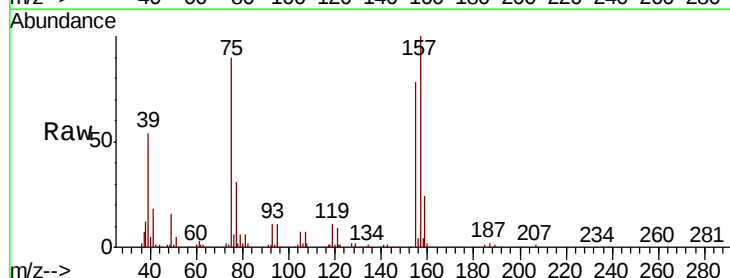
Tgt Ion: 75 Resp: 107643

Ion Ratio Lower Upper

75 100

155 85.9 43.3 129.9

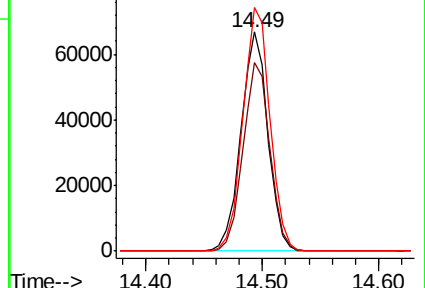
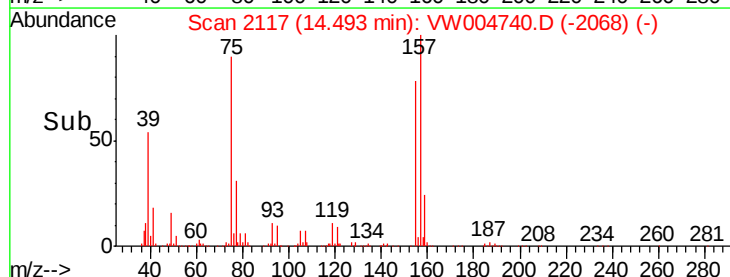
157 112.0 54.5 163.6

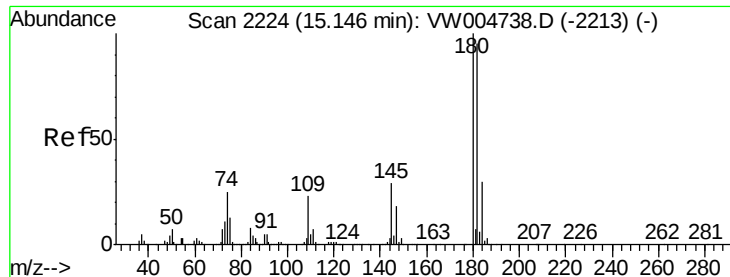


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 107.082 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

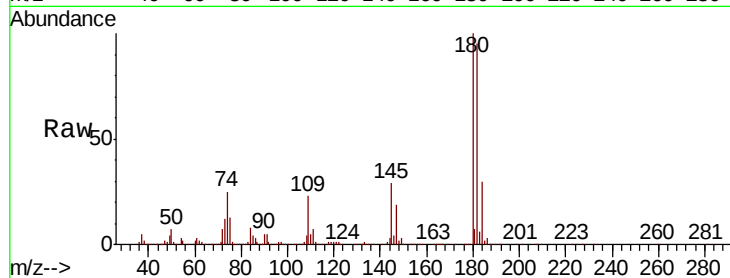
Tgt Ion:180 Resp: 1148997

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.8

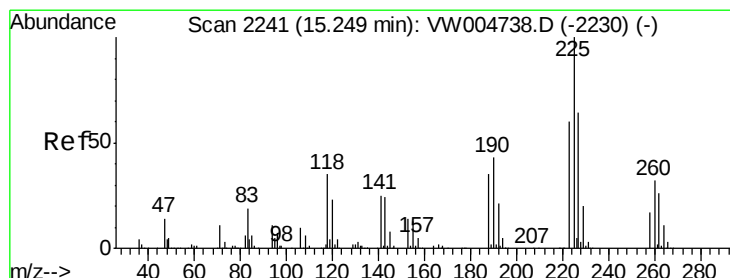
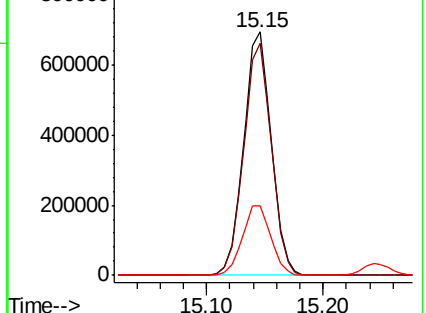
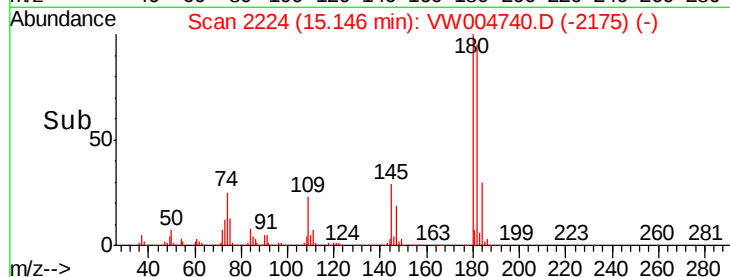
145 29.4 14.6 43.8



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: 100.260 ug/l

RT: 15.25 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW004740.D

Acq: 17 Aug 2018 18:03

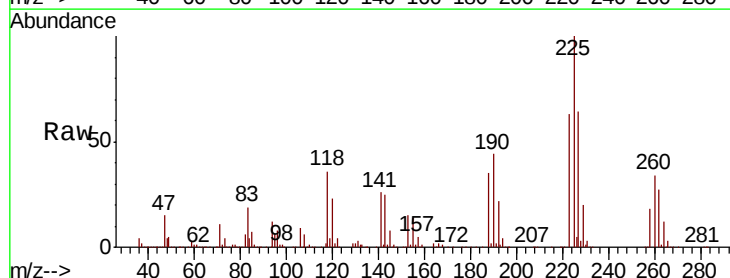
Tgt Ion:225 Resp: 660317

Ion Ratio Lower Upper

225 100

223 63.3 30.9 92.5

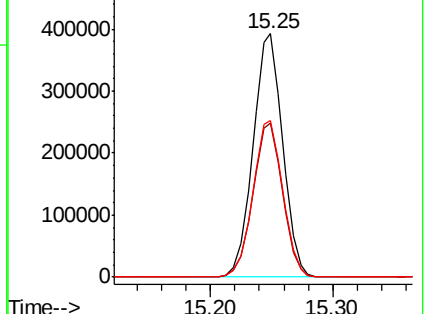
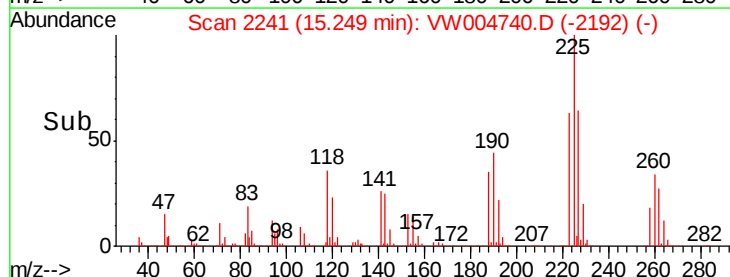
227 64.7 32.0 96.0

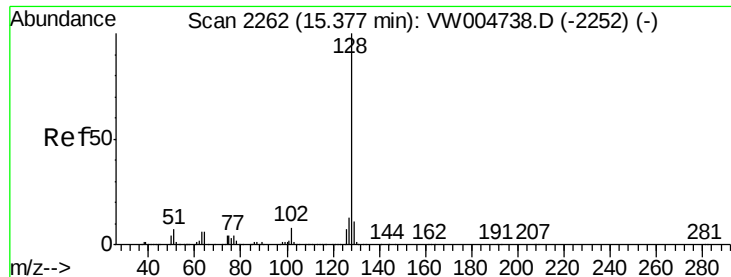


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

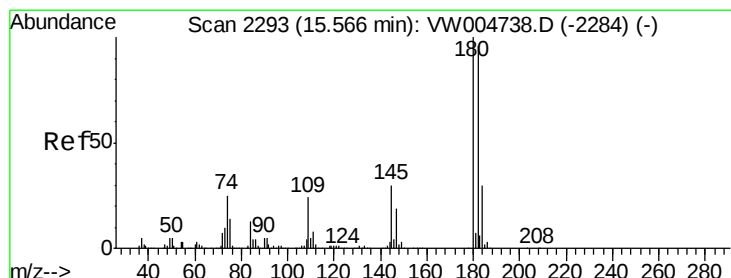
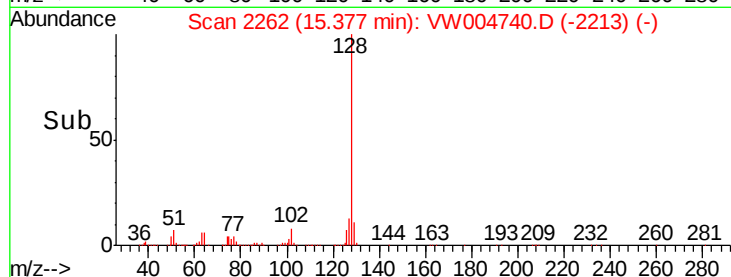
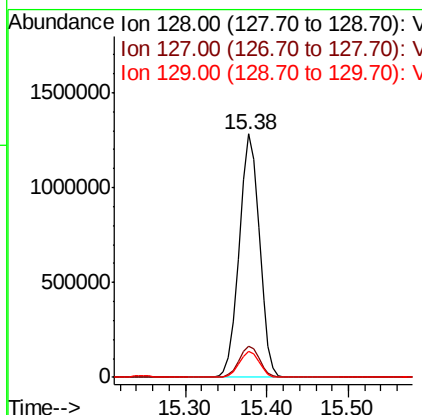
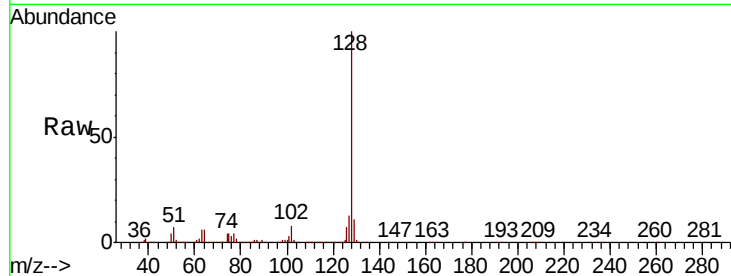




#95
Naphthalene
Concen: 117.473 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2179880
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 107.453 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004740.D
Acq: 17 Aug 2018 18:03

Tgt Ion:180 Resp: 1022449
Ion Ratio Lower Upper
180 100
182 95.3 47.3 142.0
145 31.1 15.4 46.1

