

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122118\
 Data File : VW007704.D
 Acq On : 19 Dec 2018 16:11
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 20 06:10:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116781	144.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.34%	
35) Dibromofluoromethane	7.88	113	105548	146.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.24%	
50) Toluene-d8	10.32	98	393717	144.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.16%	
62) 4-Bromofluorobenzene	12.62	95	149603	142.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92554	140.875	ug/l	99
3) Chloromethane	2.22	50	59994	148.710	ug/l	96
4) Vinyl Chloride	2.37	62	72692	141.548	ug/l	95
5) Bromomethane	2.78	94	52168	145.847	ug/l	96
6) Chloroethane	2.92	64	40894	148.844	ug/l	99
7) Trichlorofluoromethane	3.26	101	85406	159.740	ug/l	97
8) Diethyl Ether	3.68	74	45628	139.331	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107835	138.703	ug/l	99
10) Methyl Iodide	4.26	142	174332	139.219	ug/l	100
11) Tert butyl alcohol	5.18	59	37240	681.532	ug/l	99
12) 1,1-Dichloroethene	4.03	96	103490	141.934	ug/l	96
13) Acrolein	3.89	56	27752	635.215	ug/l	99
14) Allyl chloride	4.66	41	133948	140.088	ug/l	100
15) Acrylonitrile	5.37	53	98551	705.486	ug/l	100
16) Acetone	4.12	43	95762	631.333	ug/l	97
17) Carbon Disulfide	4.37	76	311441	138.028	ug/l	99
18) Methyl Acetate	4.67	43	52154	144.578	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	140230	133.963	ug/l	97
20) Methylene Chloride	4.91	84	100288	109.699	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	109836	136.967	ug/l	95
22) Diisopropyl ether	6.31	45	248945	139.045	ug/l	99
23) Vinyl Acetate	6.25	43	760784	715.206	ug/l	100
24) 1,1-Dichloroethane	6.21	63	179950	136.624	ug/l	98
25) 2-Butanone	7.17	43	119203	670.946	ug/l	98
26) 2,2-Dichloropropane	7.16	77	125229	129.930	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	117791	137.870	ug/l	99
28) Bromochloromethane	7.51	49	65274	145.351	ug/l	100
29) Tetrahydrofuran	7.53	42	74994	707.665	ug/l	99
30) Chloroform	7.68	83	204967	137.509	ug/l	98
31) Cyclohexane	7.95	56	157151	130.330	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	186454	137.347	ug/l	100
36) 1,1-Dichloropropene	8.08	75	156033	136.528	ug/l	99
37) Ethyl Acetate	7.25	43	54025	136.973	ug/l	97
38) Carbon Tetrachloride	8.07	117	187130	139.032	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	196264	138.201	ug/l	100
40) Benzene	8.32	78	413250	135.504	ug/l	99
41) Methacrylonitrile	7.48	41	31884	142.382	ug/l	95
42) 1,2-Dichloroethane	8.40	62	141594	138.542	ug/l	100
43) Isopropyl Acetate	8.43	43	110814	140.235	ug/l	99
44) Trichloroethene	9.09	130	125641	136.228	ug/l	99
45) 1,2-Dichloropropane	9.37	63	92904	137.289	ug/l	98
46) Dibromomethane	9.46	93	57583	138.235	ug/l	98
47) Bromodichloromethane	9.65	83	152666	139.407	ug/l	99
48) Methyl methacrylate	9.44	41	56750	143.878	ug/l	97
49) 1,4-Dioxane	9.45	88	19494	2951.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	258358	691.819	ug/l	99
52) Toluene	10.39	92	276728	135.243	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	155439	142.701	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	168683	140.199	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	78136	136.062	ug/l	98
56) Ethyl methacrylate	10.65	69	99167	146.156	ug/l	99
57) 1,3-Dichloropropane	10.93	76	132038	138.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	199911	645.324	ug/l	100
59) 2-Hexanone	10.97	43	183972	700.487	ug/l	100
60) Dibromochloromethane	11.13	129	107188	140.969	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81116	139.485	ug/l	99
64) Tetrachloroethene	10.87	164	104885	135.863	ug/l	98
65) Chlorobenzene	11.66	112	314989	133.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114171	135.412	ug/l	100
67) Ethyl Benzene	11.73	91	551150	136.116	ug/l	97
68) m/p-Xylenes	11.84	106	419113	266.829	ug/l	99
69) o-Xylene	12.17	106	199606	135.570	ug/l	98
70) Styrene	12.18	104	329912	136.314	ug/l	100
71) Bromoform	12.35	173	61712	140.995	ug/l #	99
73) Isopropylbenzene	12.47	105	567778	141.062	ug/l	99
74) N-amyl acetate	12.27	43	103428	148.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	84575	140.144	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	121804	151.102	ug/l #	100
77) Bromobenzene	12.75	156	126399	137.027	ug/l	99
78) n-propylbenzene	12.81	91	654140	139.613	ug/l	100
79) 2-Chlorotoluene	12.90	91	380023	139.230	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484006	139.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28988	147.845	ug/l	96
82) 4-Chlorotoluene	12.99	91	403447	138.821	ug/l	99
83) tert-Butylbenzene	13.21	119	423501	139.021	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	481201	137.356	ug/l	100
85) sec-Butylbenzene	13.39	105	577896	137.648	ug/l	100
86) p-Isopropyltoluene	13.51	119	517911	135.663	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	241117	131.652	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	245724	134.128	ug/l	99
89) n-Butylbenzene	13.83	91	481263	137.492	ug/l	100
90) Hexachloroethane	14.10	117	93421	139.387	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	218845	133.459	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17512	141.300	ug/l	97

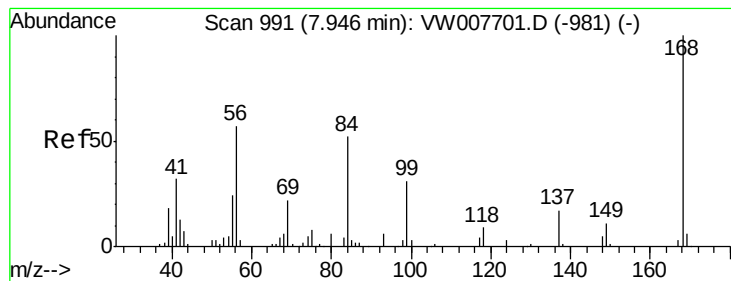
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	155586	136.687	ug/l	98
94) Hexachlorobutadiene	15.24	225	82365	135.400	ug/l	99
95) Naphthalene	15.37	128	303831	144.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	134129	137.659	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

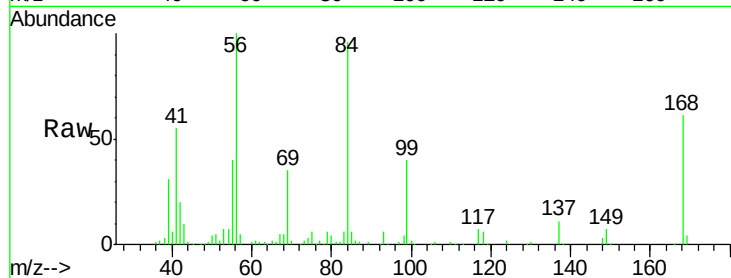
VSTDIC150

Tgt Ion: 168 Resp: 73903

Ion Ratio Lower Upper

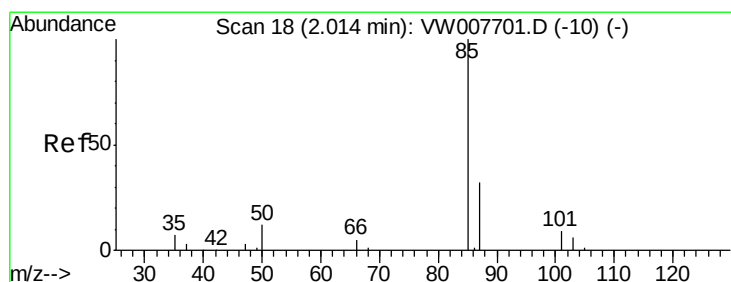
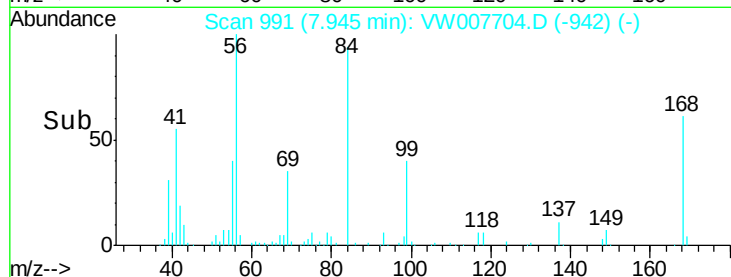
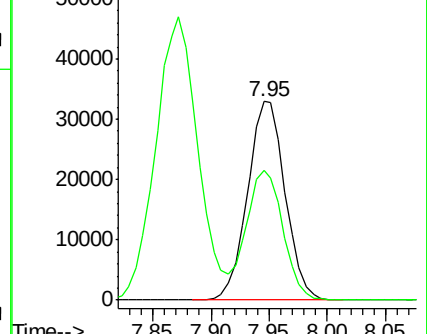
168 100

99 65.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 140.875 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007704.D

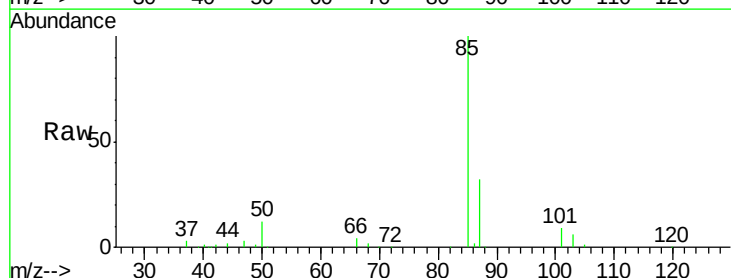
Acq: 19 Dec 2018 16:11

Tgt Ion: 85 Resp: 92554

Ion Ratio Lower Upper

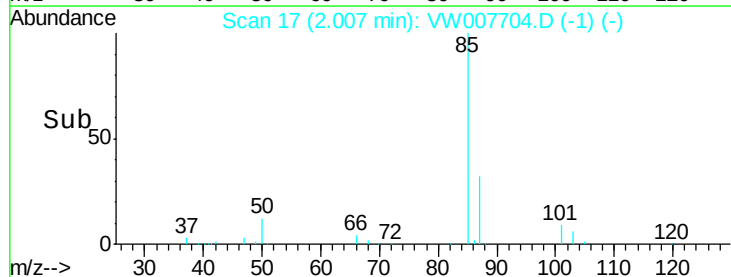
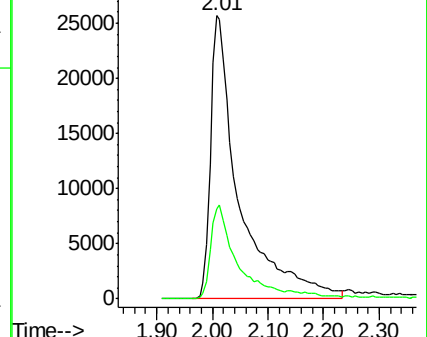
85 100

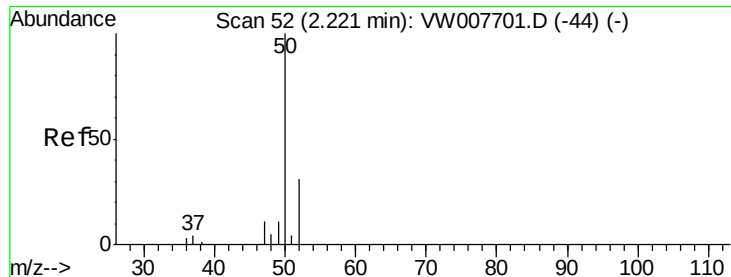
87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 148.710 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

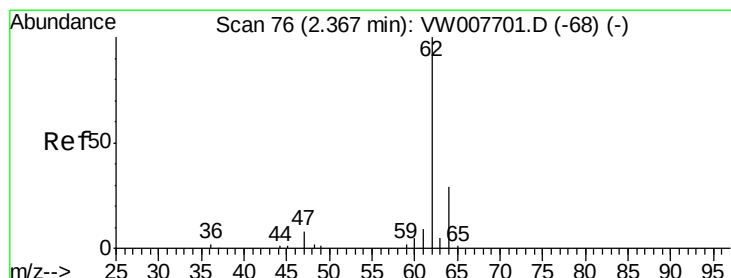
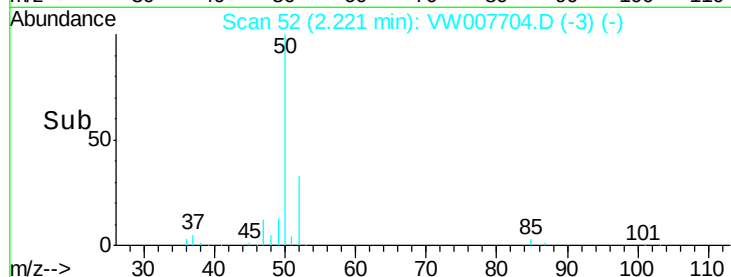
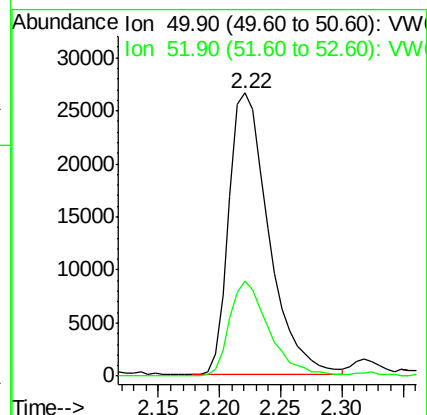
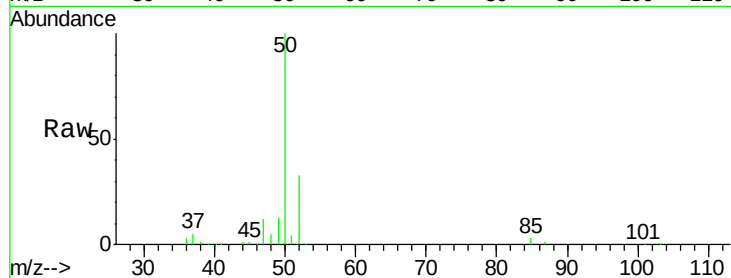
VSTDIC150

Tgt Ion: 50 Resp: 59994

Ion Ratio Lower Upper

50 100

52 33.7 25.1 37.7



#4

Vinyl Chloride

Concen: 141.548 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007704.D

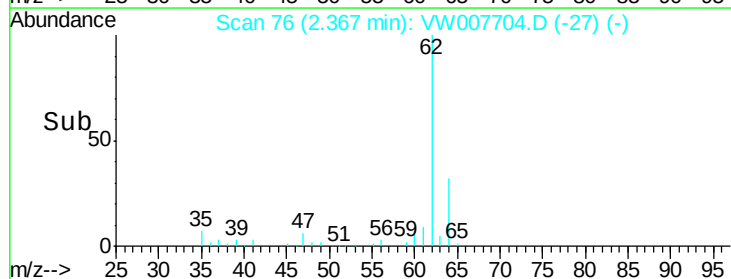
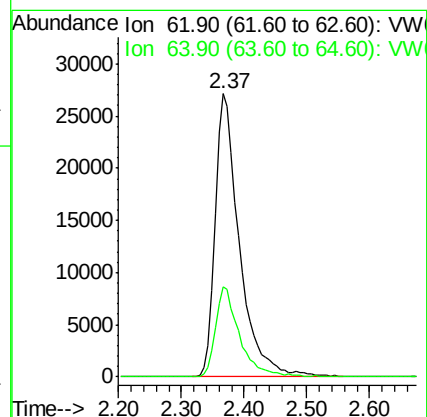
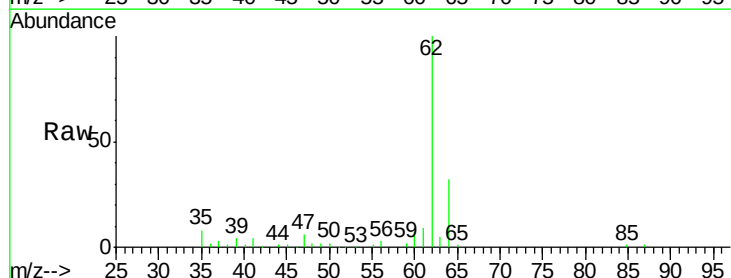
Acq: 19 Dec 2018 16:11

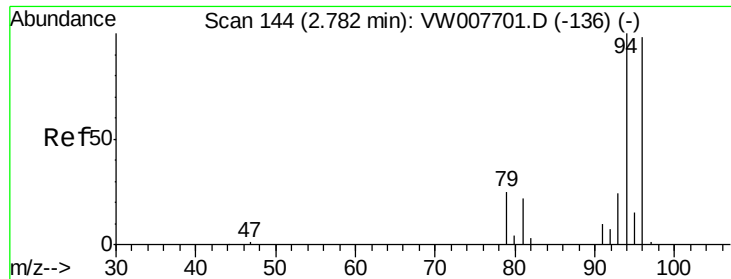
Tgt Ion: 62 Resp: 72692

Ion Ratio Lower Upper

62 100

64 32.0 23.4 35.0





#5

Bromomethane

Concen: 145.847 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

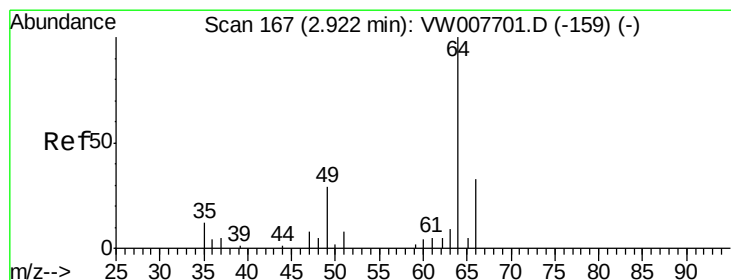
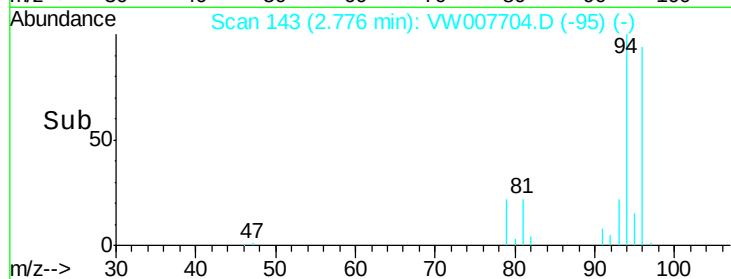
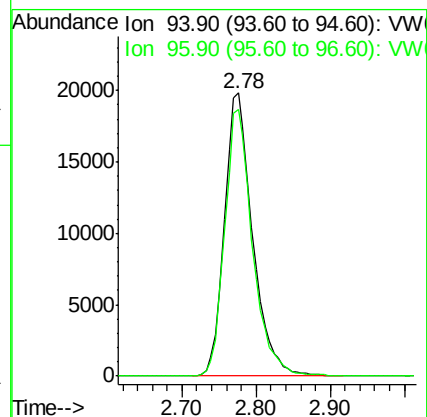
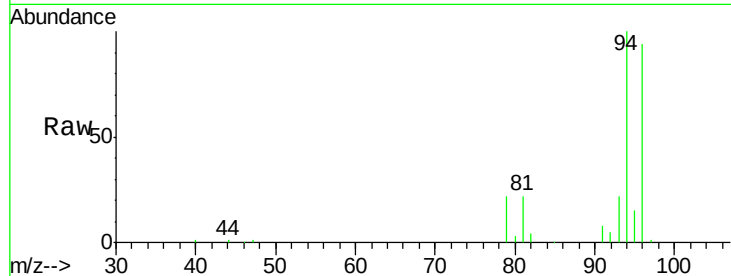
VSTDIC150

Tgt Ion: 94 Resp: 52168

Ion Ratio Lower Upper

94 100

96 94.2 78.2 117.2



#6

Chloroethane

Concen: 148.844 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007704.D

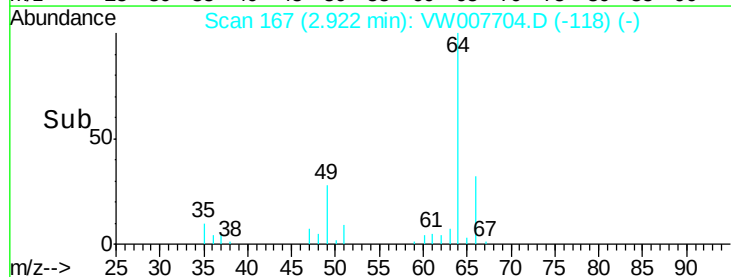
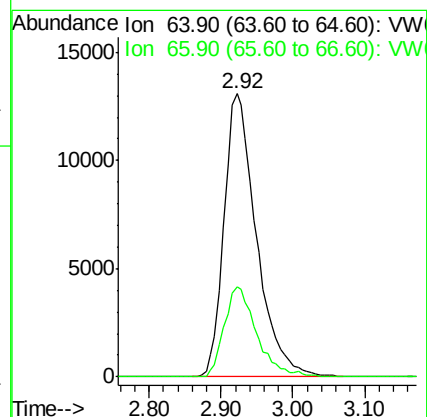
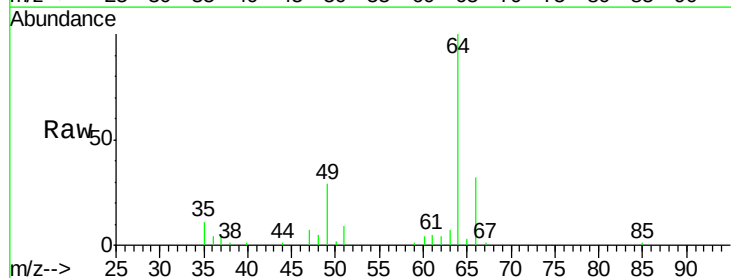
Acq: 19 Dec 2018 16:11

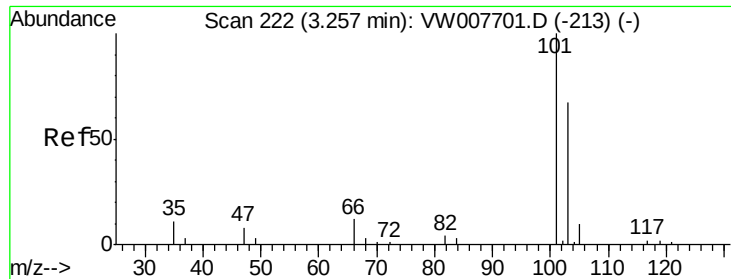
Tgt Ion: 64 Resp: 40894

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.4



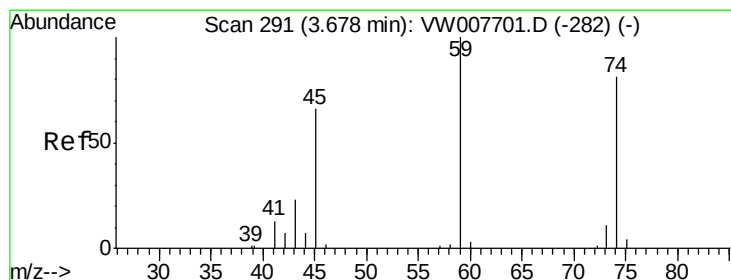
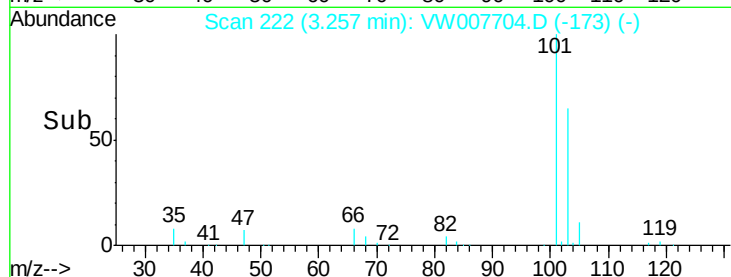
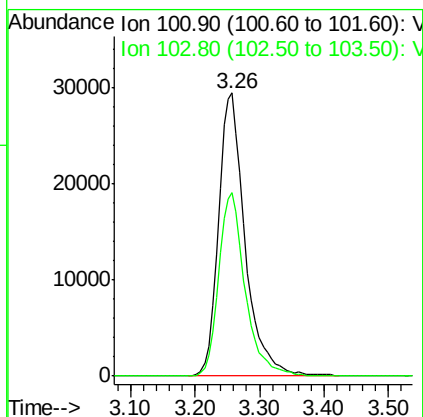
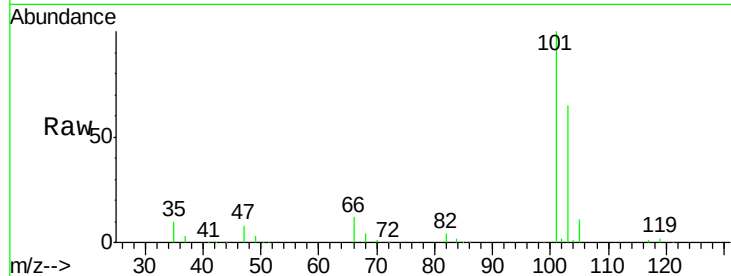


#7

Trichlorofluoromethane
 Concen: 159.740 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

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 ClientSampleId :
 VSTDIC150

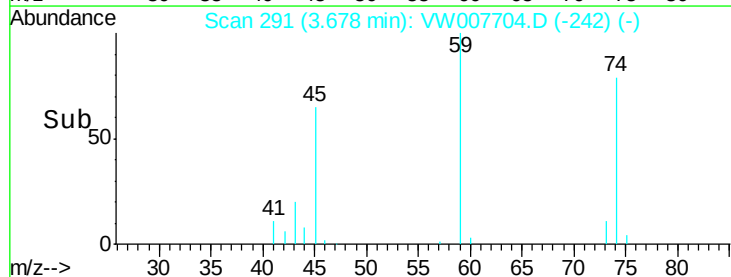
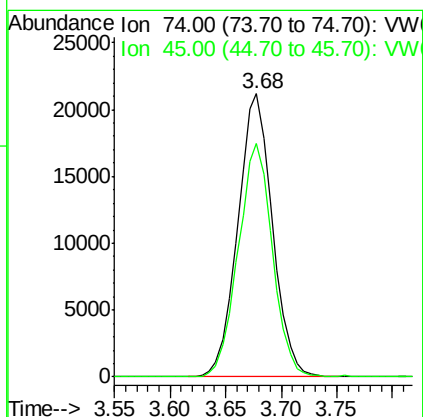
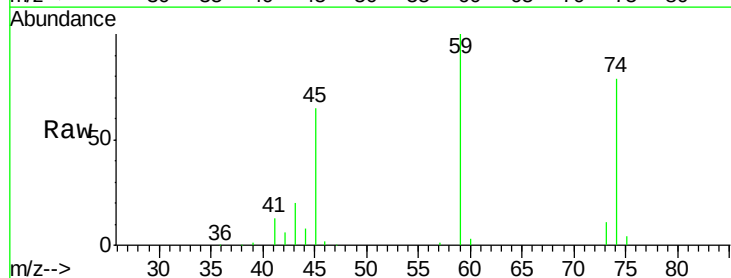
Tgt Ion: 101 Resp: 85406
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.4 80.2

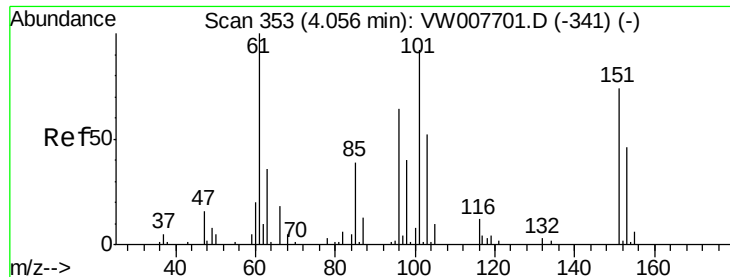


#8

Diethyl Ether
 Concen: 139.331 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 74 Resp: 45628
 Ion Ratio Lower Upper
 74 100
 45 81.6 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.703 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

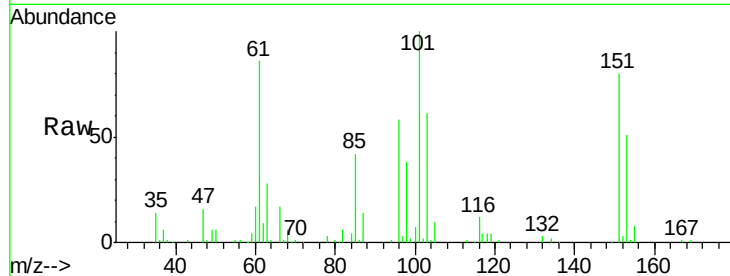
Tgt Ion:101 Resp: 107835

Ion Ratio Lower Upper

101 100

85 42.8 34.3 51.5

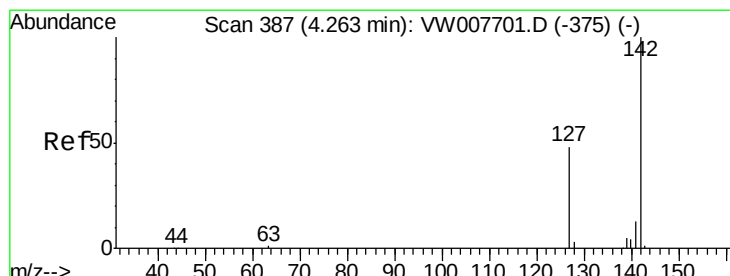
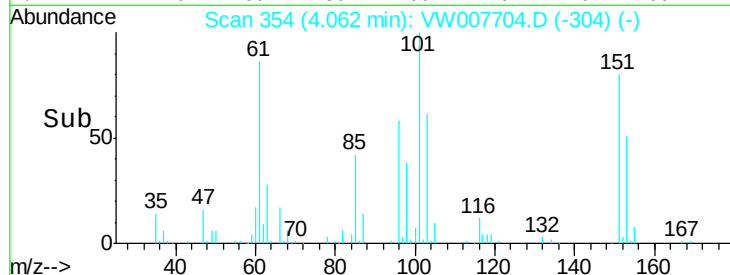
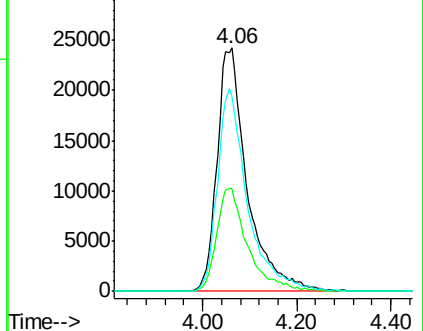
151 82.3 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 139.219 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

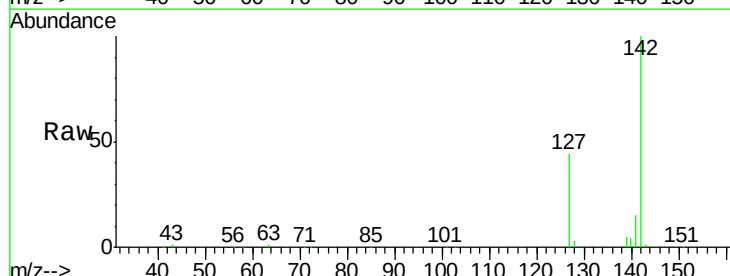
Tgt Ion:142 Resp: 174332

Ion Ratio Lower Upper

142 100

127 47.0 37.7 56.5

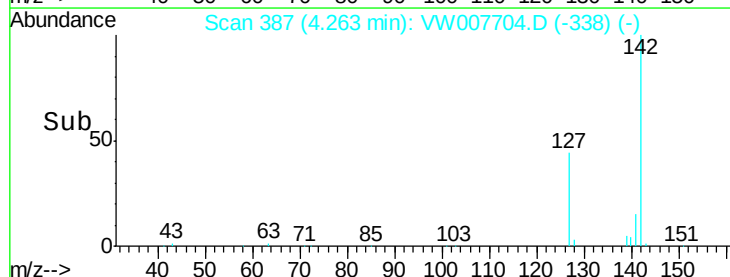
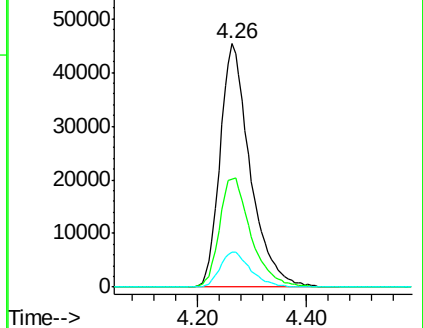
141 14.9 11.5 17.3

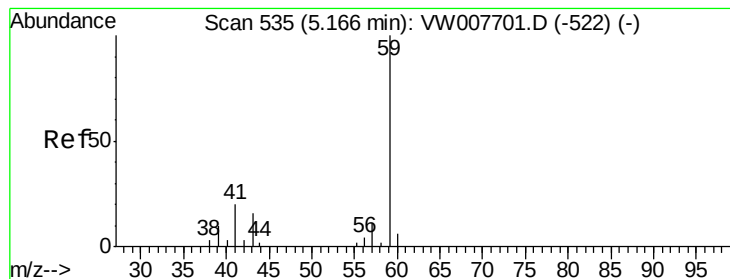


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



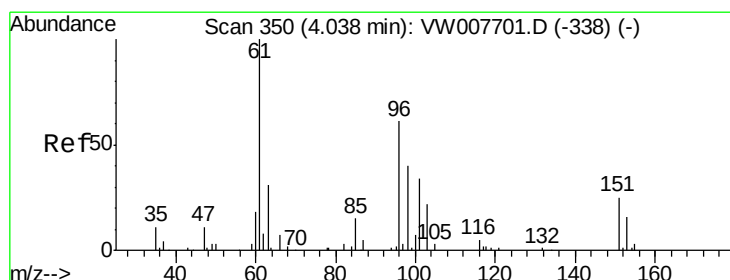
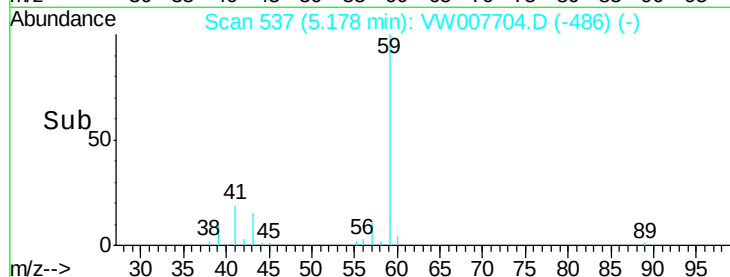
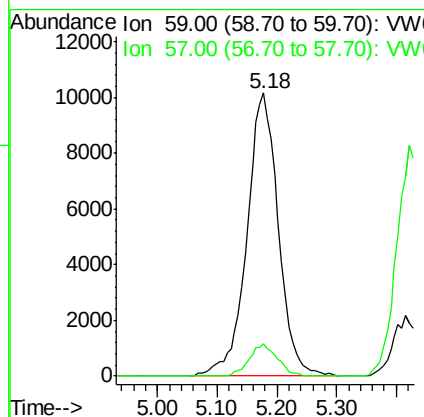
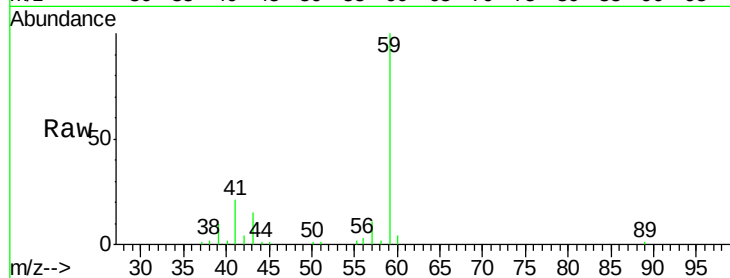


#11

Tert butyl alcohol
 Concen: 681.532 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

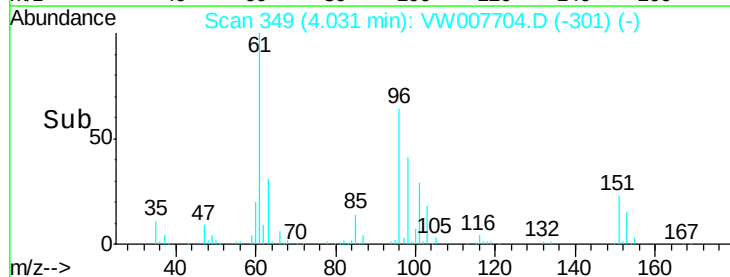
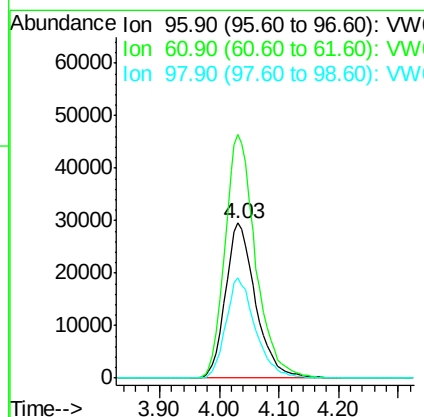
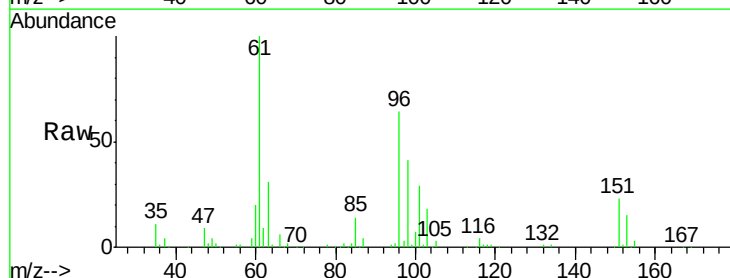
Tgt Ion: 59 Resp: 37240
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.8 11.8

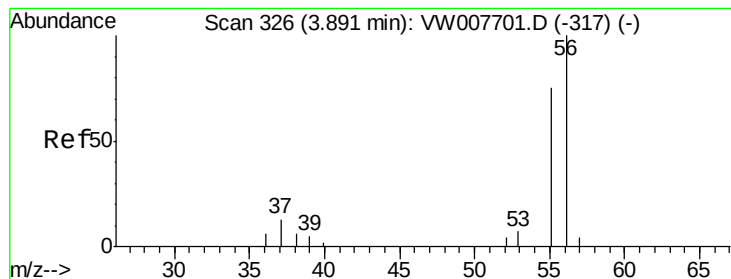


#12

1,1-Dichloroethene
 Concen: 141.934 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 96 Resp: 103490
 Ion Ratio Lower Upper
 96 100
 61 157.3 130.6 195.8
 98 64.4 52.3 78.5





#13

Acrolein

Concen: 635.215 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

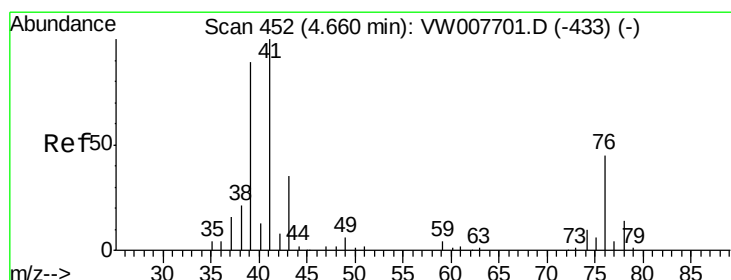
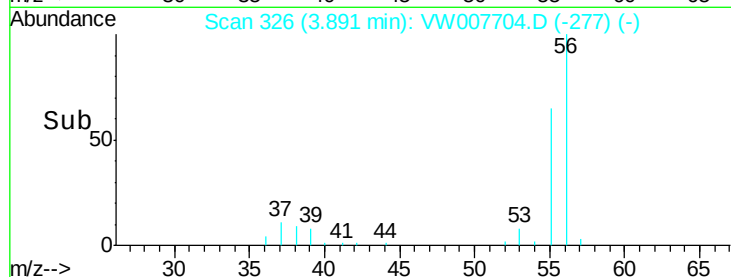
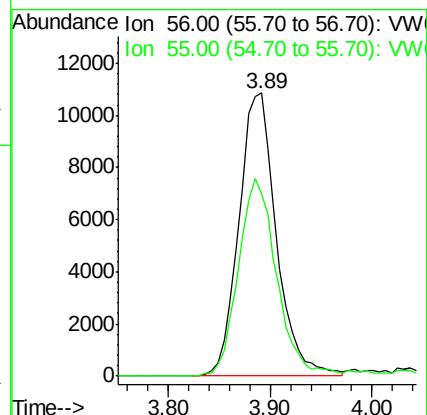
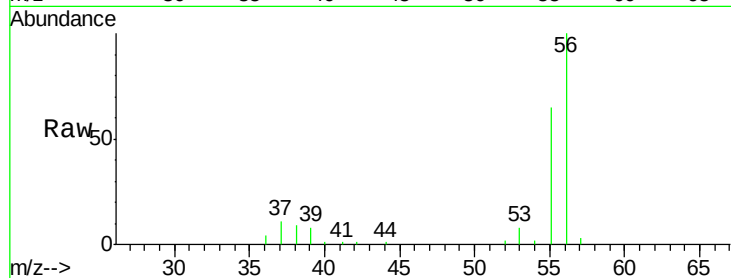
VSTDIC150

Tgt Ion: 56 Resp: 27752

Ion Ratio Lower Upper

56 100

55 71.1 57.7 86.5



#14

Allyl chloride

Concen: 140.088 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

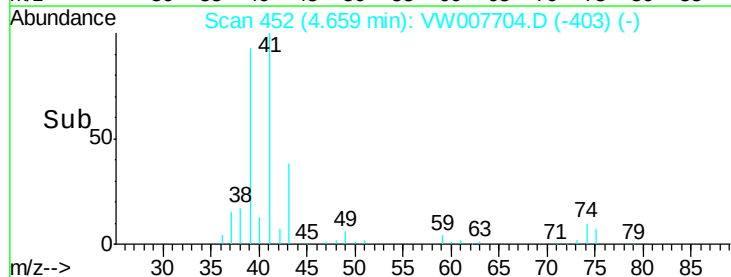
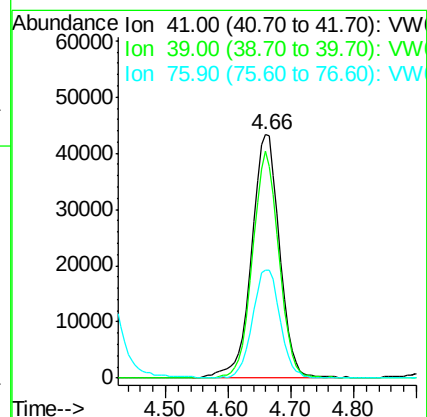
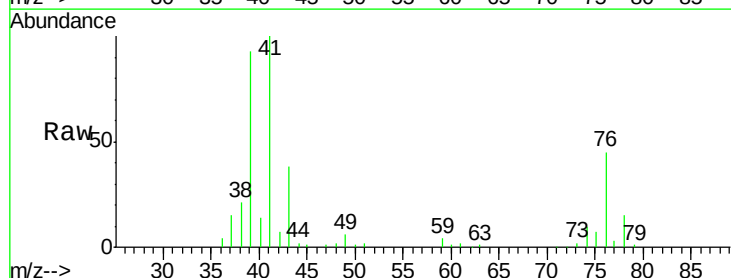
Tgt Ion: 41 Resp: 133948

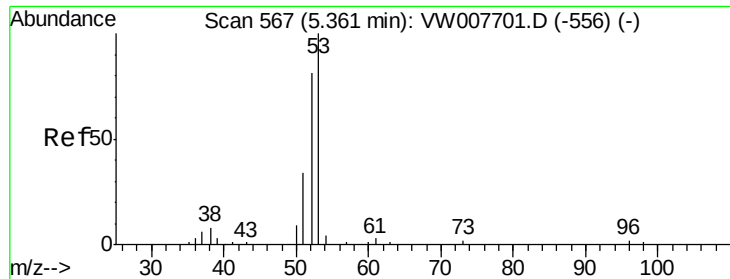
Ion Ratio Lower Upper

41 100

39 87.4 69.5 104.3

76 43.8 34.8 52.2





#15

Acrylonitrile

Concen: 705.486 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

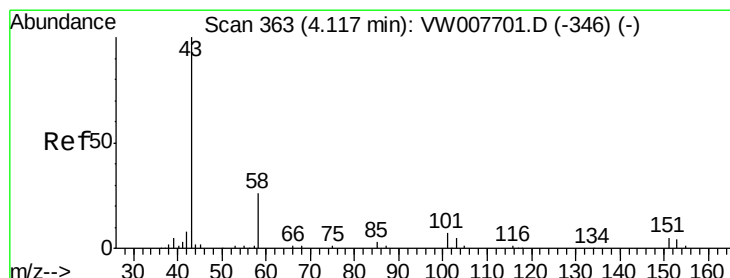
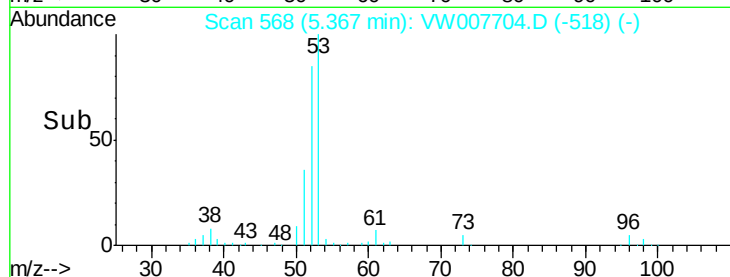
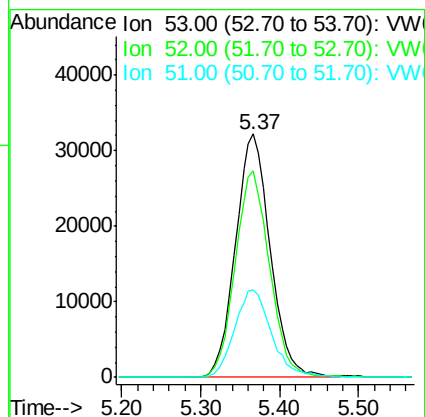
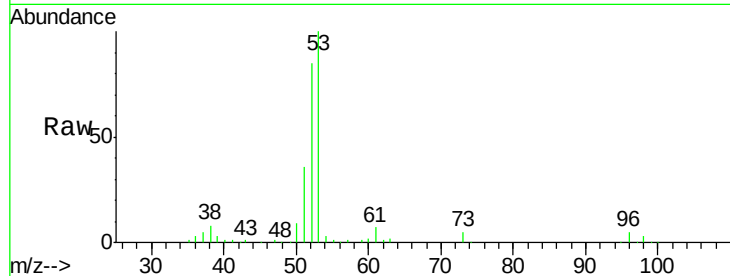
Tgt Ion: 53 Resp: 98551

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.4

51 38.2 30.2 45.2



#16

Acetone

Concen: 631.333 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007704.D

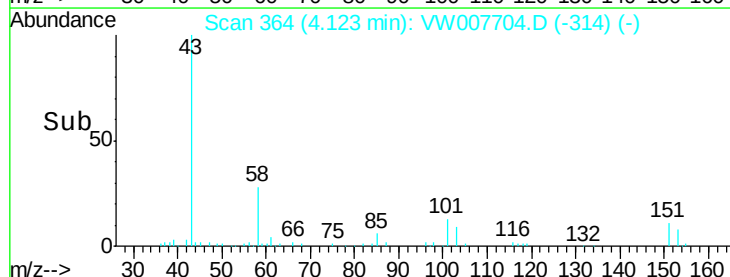
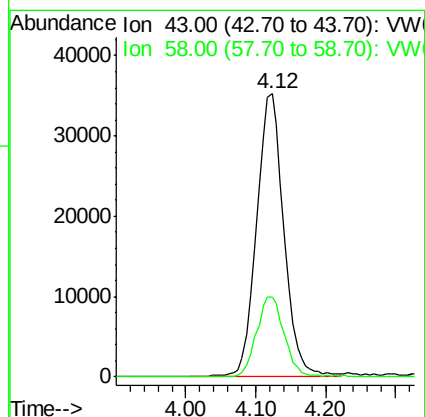
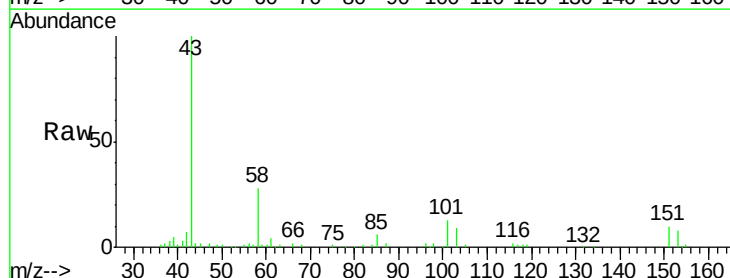
Acq: 19 Dec 2018 16:11

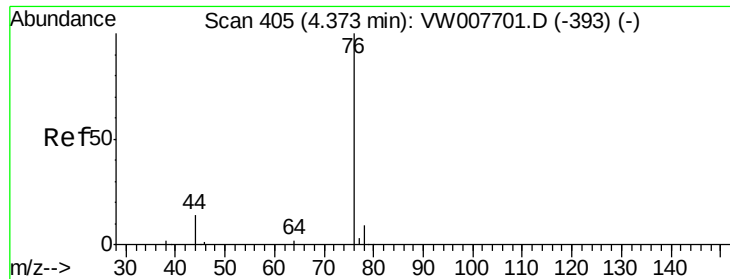
Tgt Ion: 43 Resp: 95762

Ion Ratio Lower Upper

43 100

58 28.1 21.2 31.8

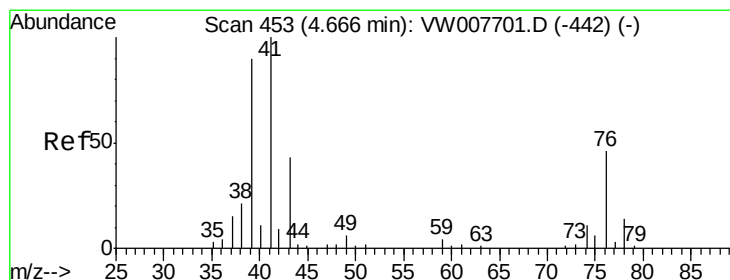
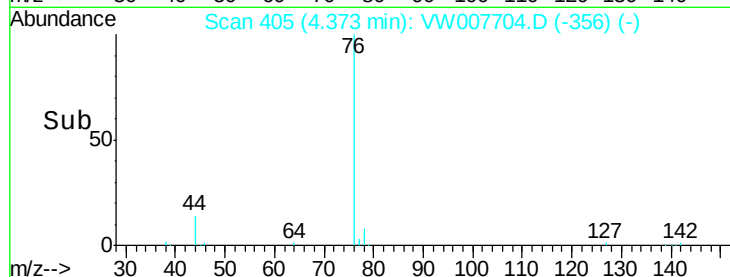
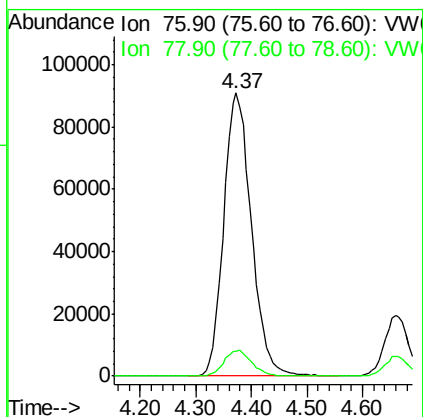
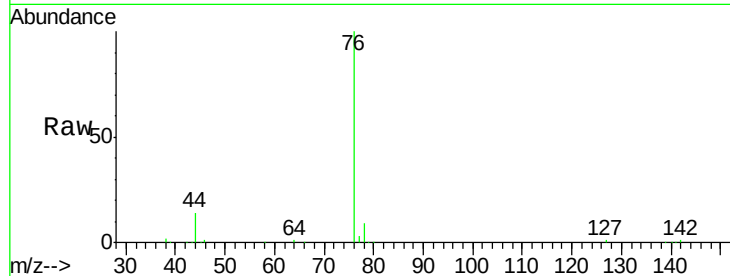




#17
Carbon Disulfide
Concen: 138.028 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

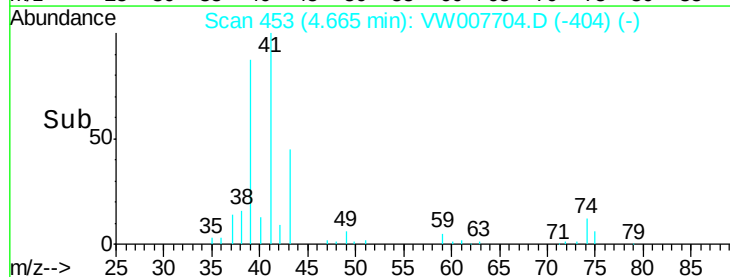
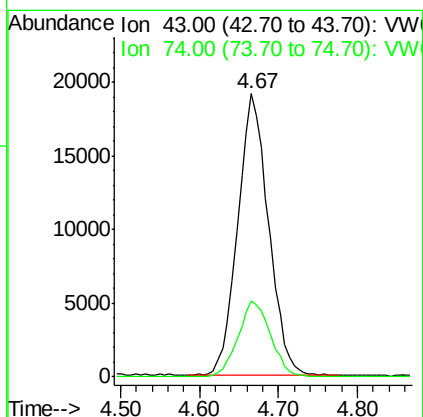
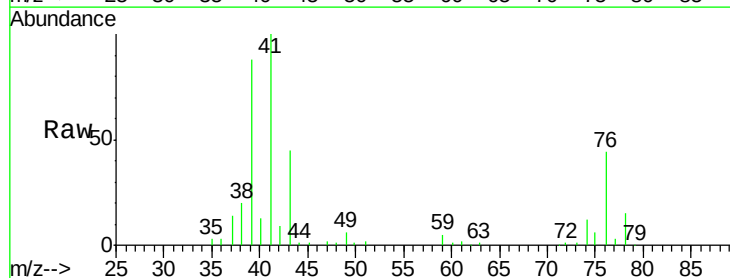
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

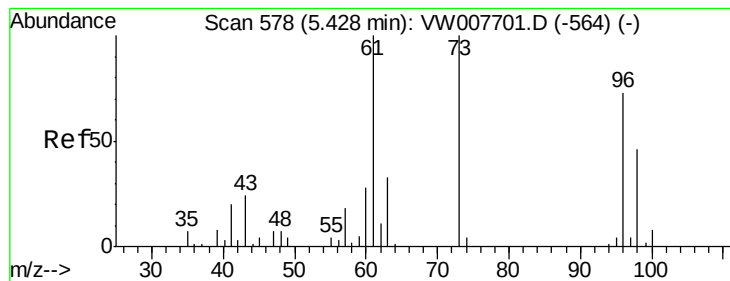
Tgt Ion: 76 Resp: 311441
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 144.578 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 43 Resp: 52154
Ion Ratio Lower Upper
43 100
74 28.2 22.7 34.1





#19

Methyl tert-butyl Ether

Concen: 133.963 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

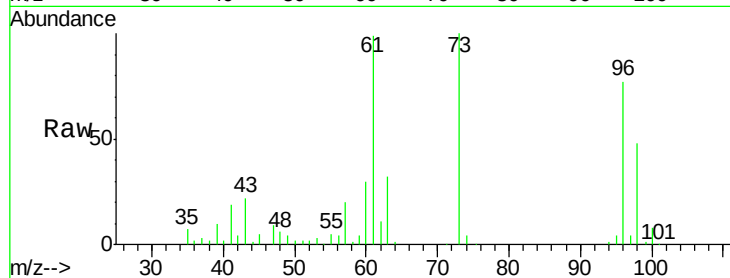
VSTDIC150

Tgt Ion: 73 Resp: 140230

Ion Ratio Lower Upper

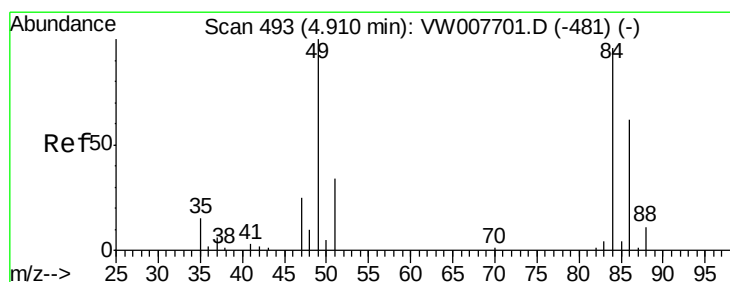
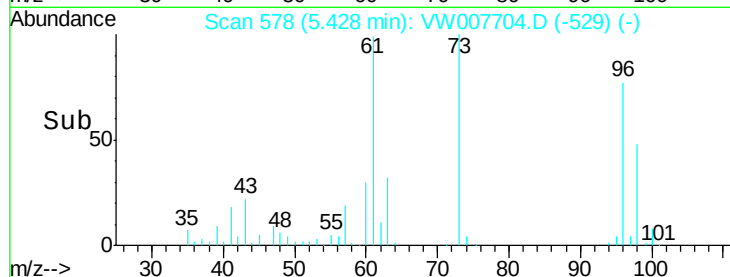
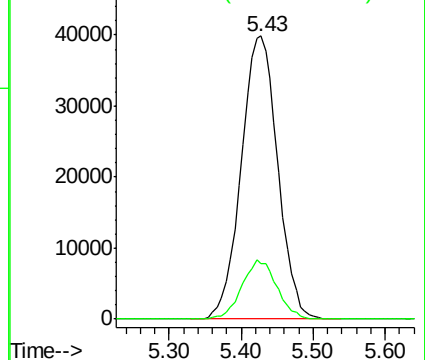
73 100

57 19.7 14.7 22.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 109.699 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion: 84 Resp: 100288

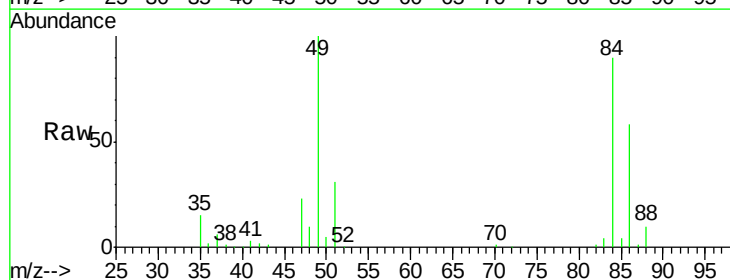
Ion Ratio Lower Upper

84 100

49 111.4 83.7 125.5

51 34.6 28.2 42.2

86 64.8 52.2 78.2

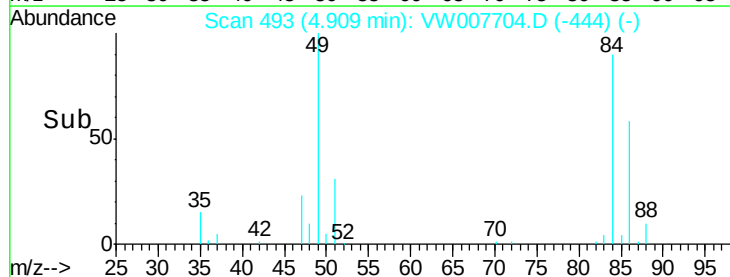
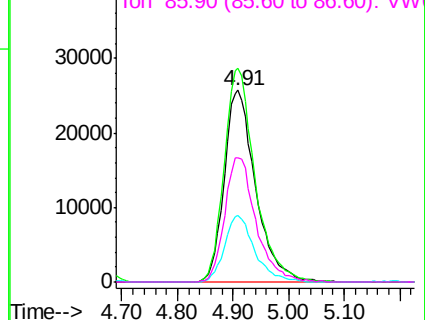


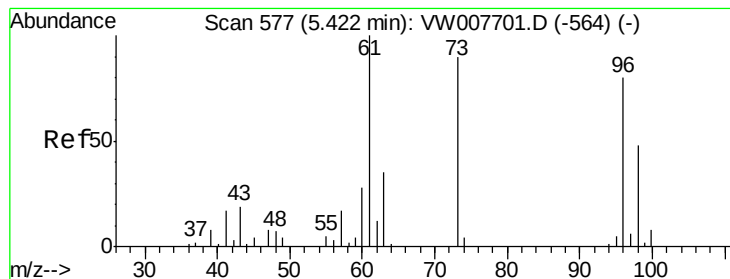
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 136.967 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

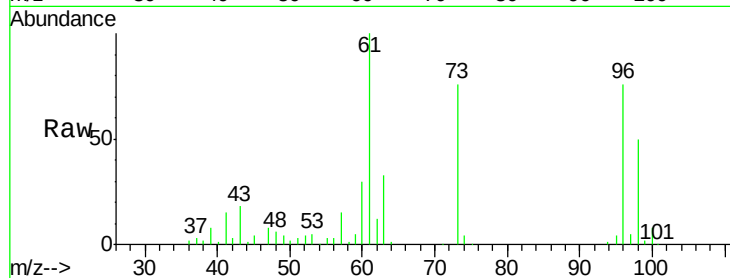
Tgt Ion: 96 Resp: 109836

Ion Ratio Lower Upper

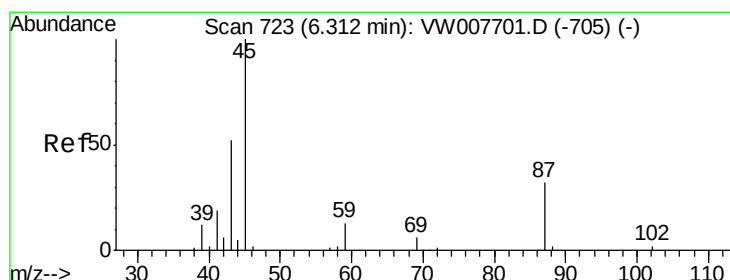
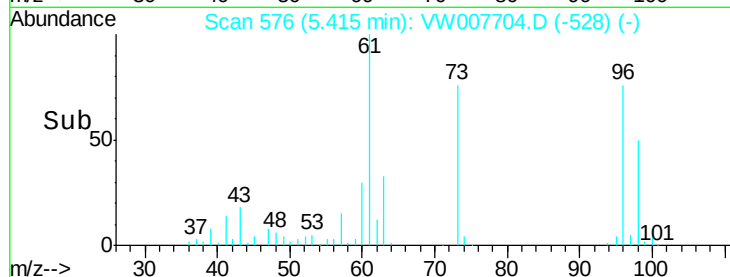
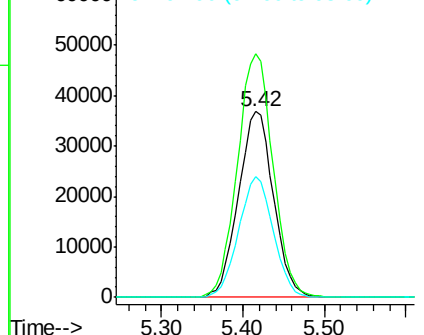
96 100

61 131.0 100.1 150.1

98 65.2 48.5 72.7



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: 139.045 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion: 45 Resp: 248945

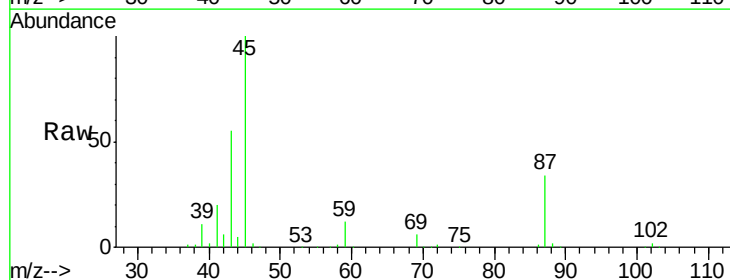
Ion Ratio Lower Upper

45 100

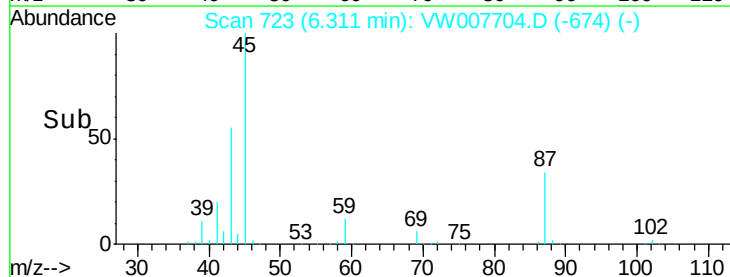
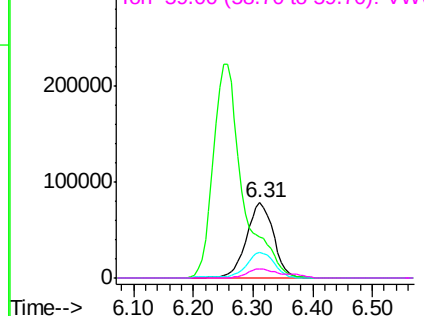
43 54.4 43.7 65.5

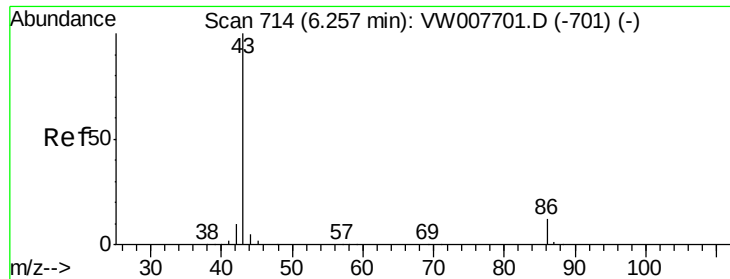
87 33.6 26.6 40.0

59 11.8 10.2 15.2



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: 715.206 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

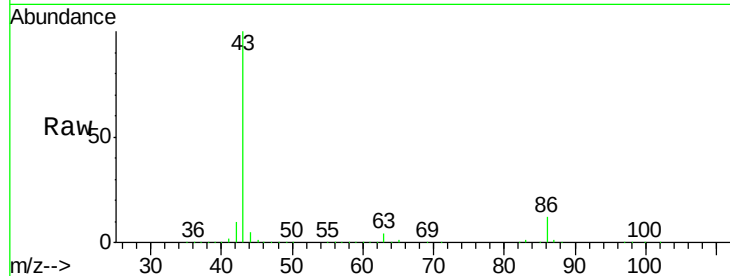
VSTDIC150

Tgt Ion: 43 Resp: 760784

Ion Ratio Lower Upper

43 100

86 12.0 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

250000

200000

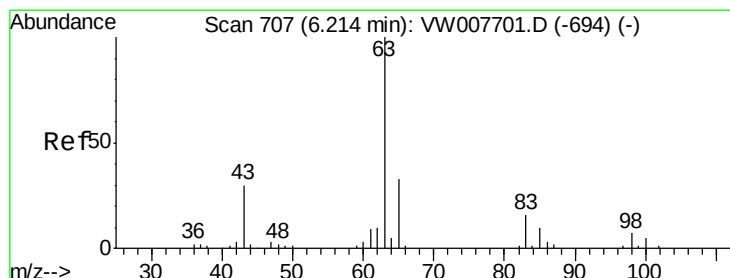
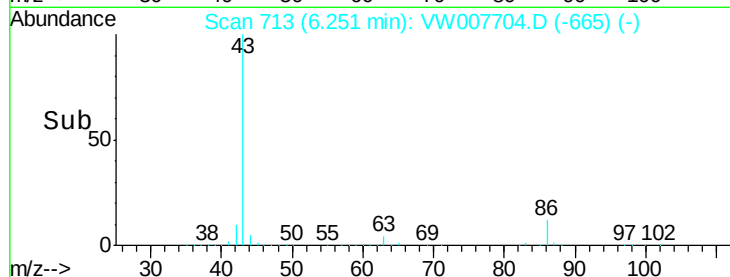
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 136.624 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

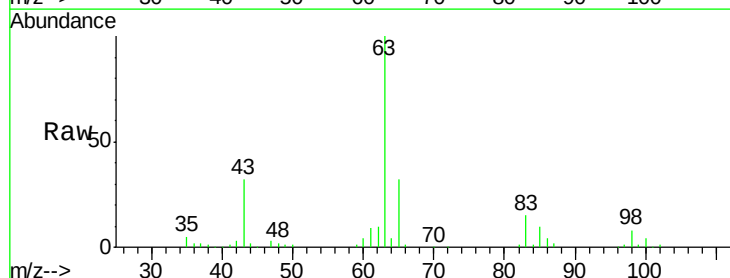
Tgt Ion: 63 Resp: 179950

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

100 4.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

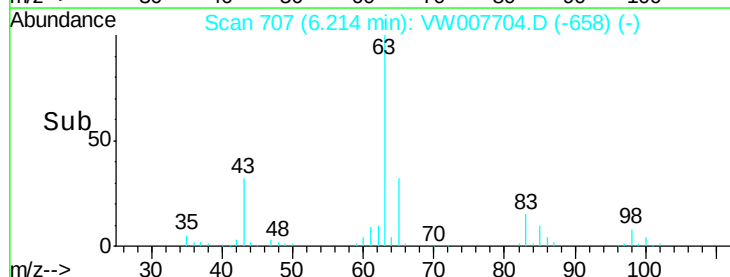
60000

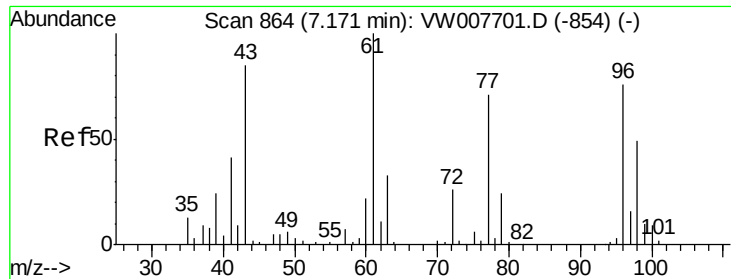
40000

20000

0

Time-->





#25

2-Butanone

Concen: 670.946 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

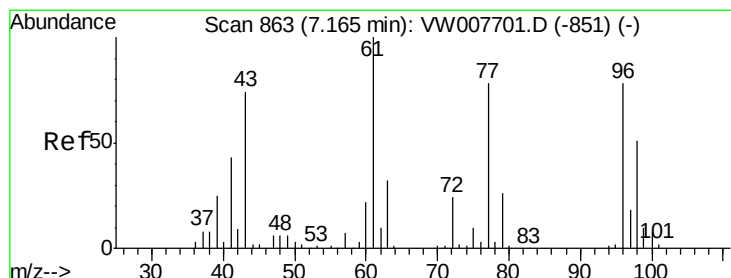
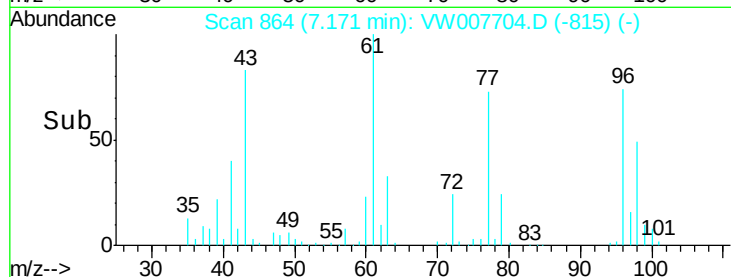
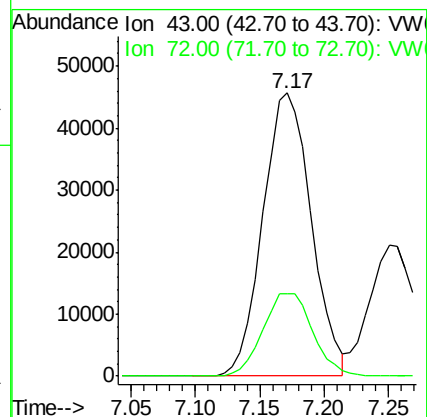
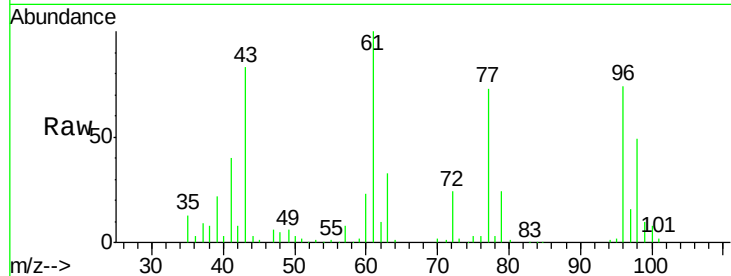
VSTDIC150

Tgt Ion: 43 Resp: 119203

Ion Ratio Lower Upper

43 100

72 29.3 24.5 36.7



#26

2,2-Dichloropropane

Concen: 129.930 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007704.D

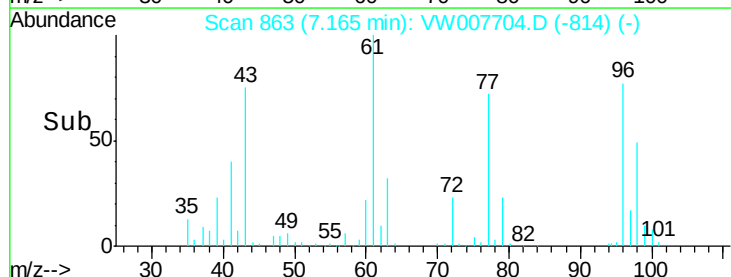
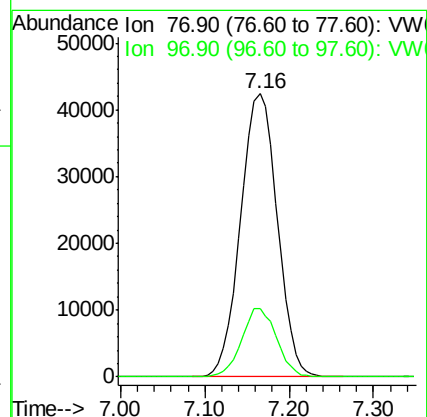
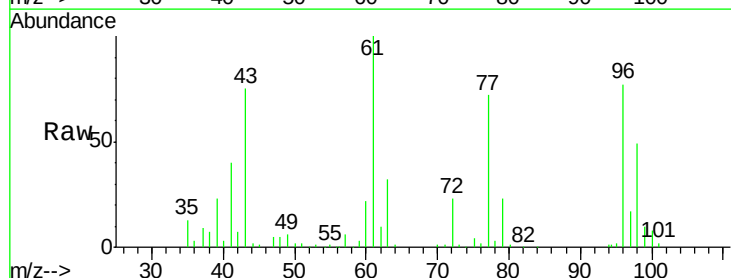
Acq: 19 Dec 2018 16:11

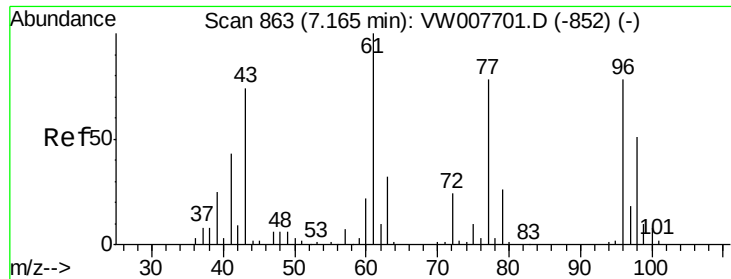
Tgt Ion: 77 Resp: 125229

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9



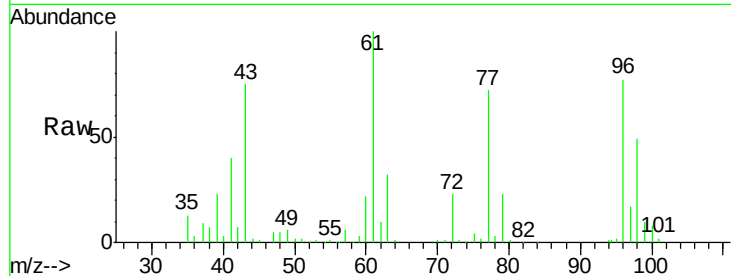


#27

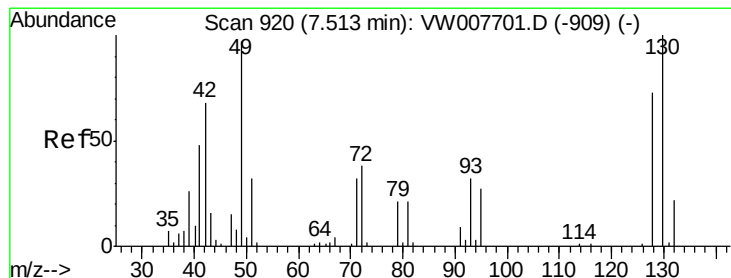
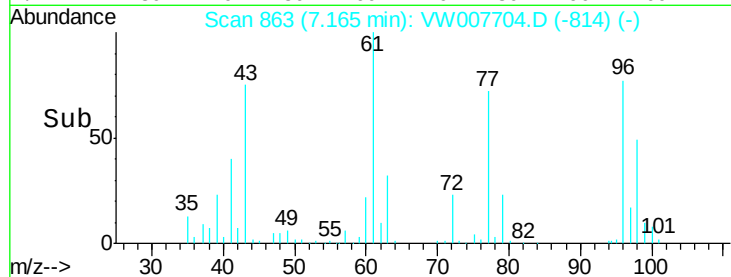
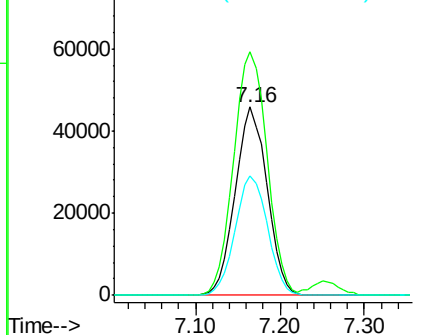
cis-1,2-Dichloroethene
 Concen: 137.870 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	117791		
61	135.4	0.0	271.6
98	64.4	0.0	131.2



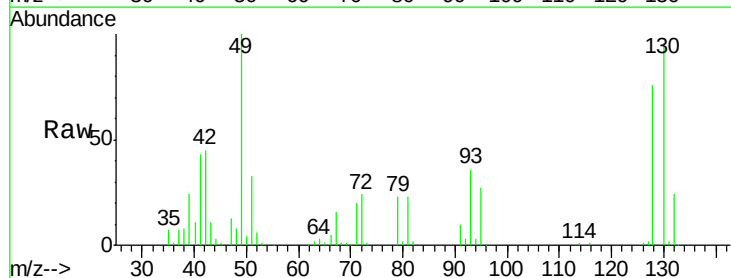
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



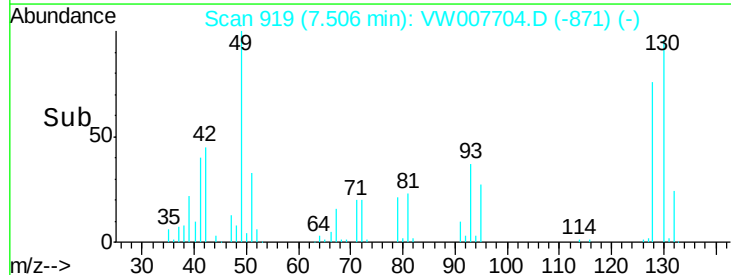
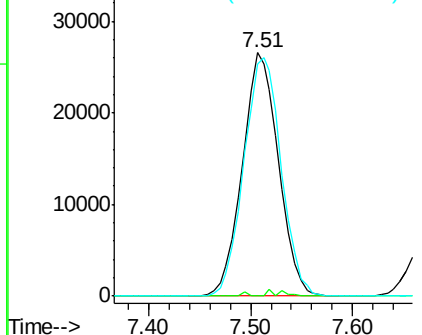
#28

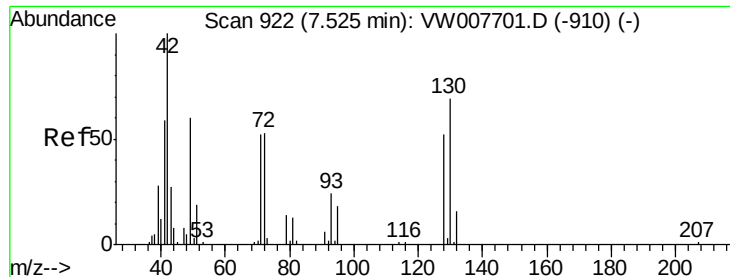
Bromochloromethane
 Concen: 145.351 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion	Resp	Lower	Upper
49	65274		
129	0.5	0.0	2.2
130	101.6	81.5	122.3



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

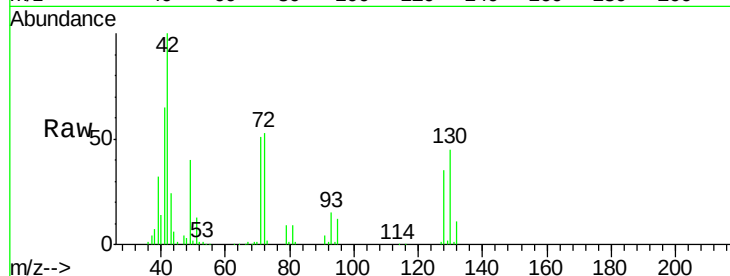




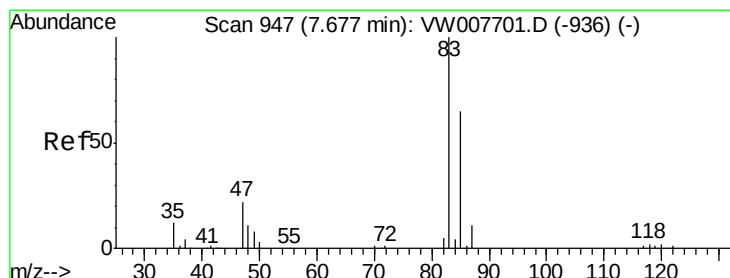
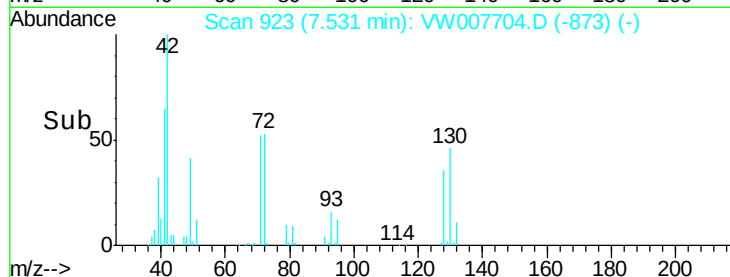
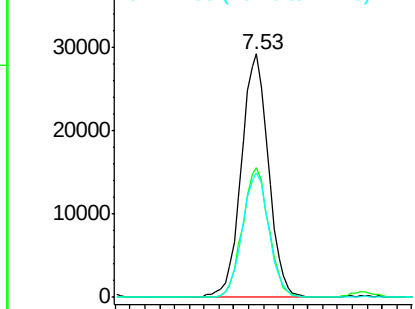
#29
Tetrahydrofuran
Concen: 707.665 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 74994
Ion Ratio Lower Upper
42 100
72 51.6 41.7 62.5
71 50.1 39.0 58.6

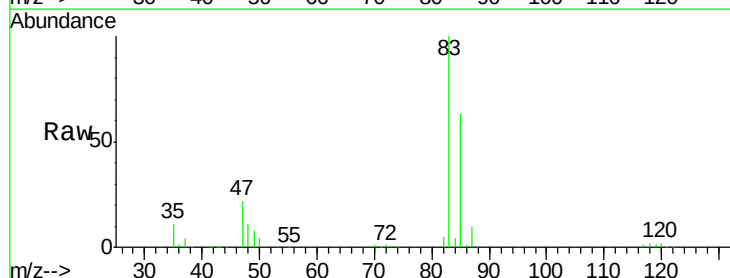


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

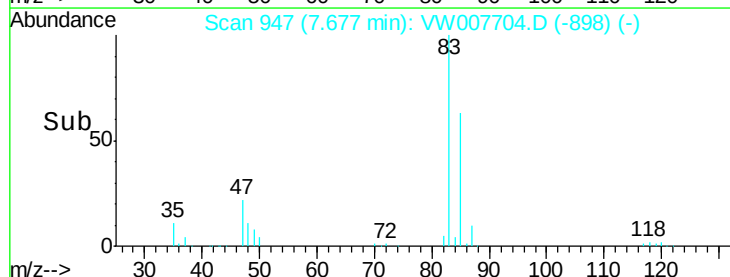
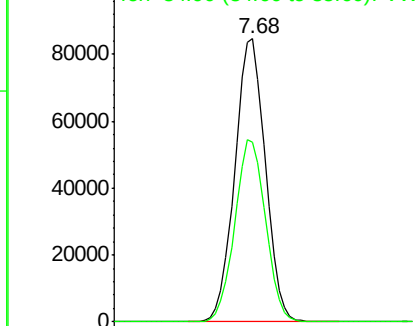


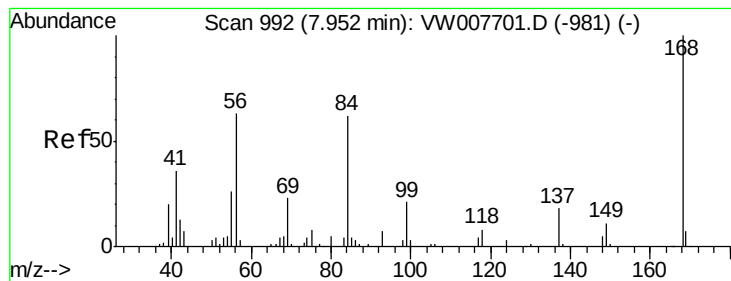
#30
Chloroform
Concen: 137.509 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 83 Resp: 204967
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.2



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

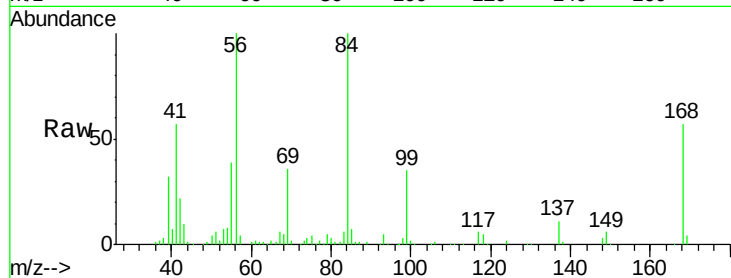




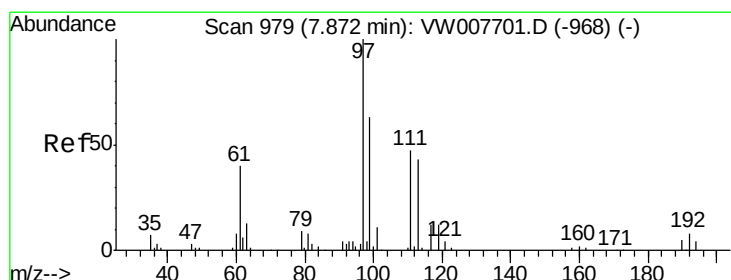
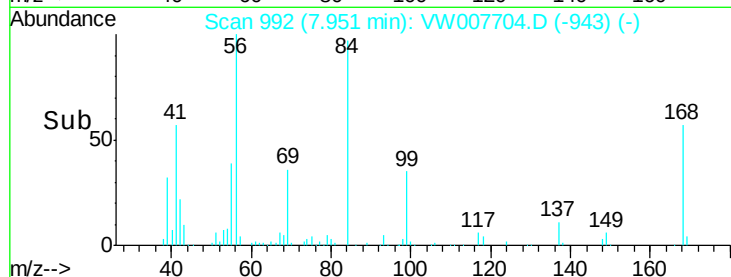
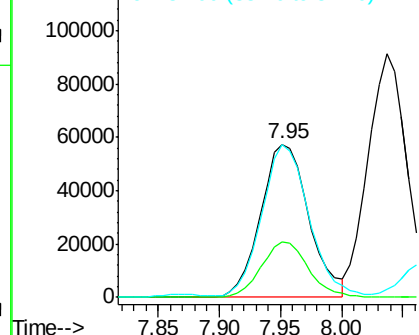
#31
Cyclohexane
Concen: 130.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 157151
Ion Ratio Lower Upper
56 100
69 36.3 29.7 44.5
84 98.0 78.9 118.3

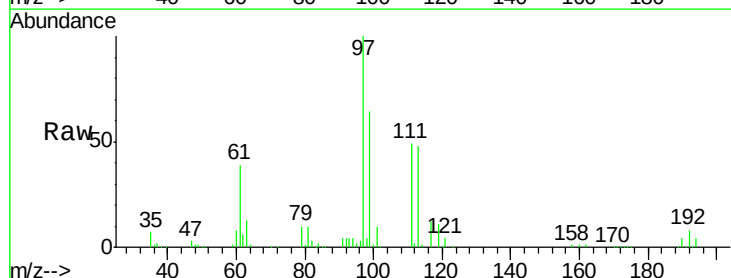


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

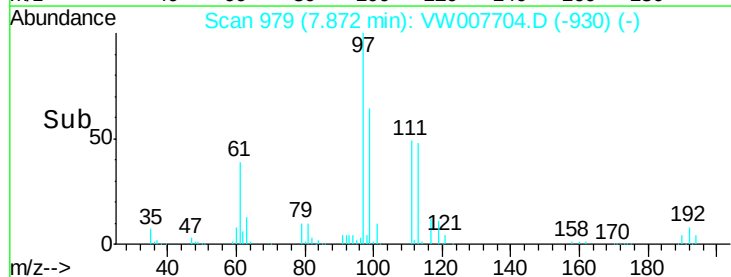
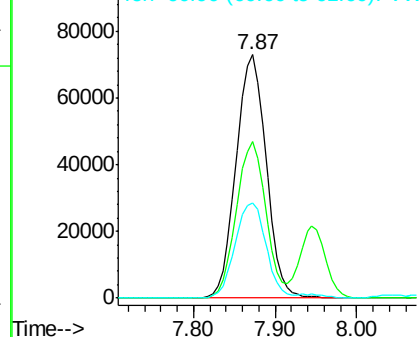


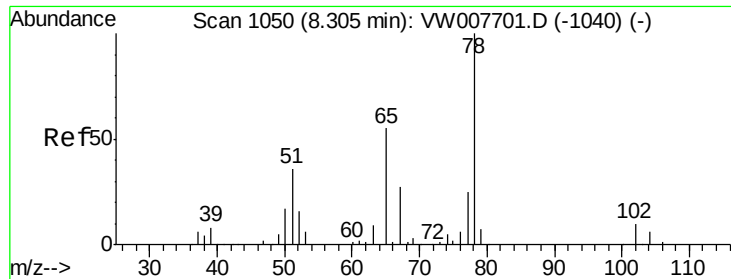
#32
1,1,1-Trichloroethane
Concen: 137.347 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 97 Resp: 186454
Ion Ratio Lower Upper
97 100
99 63.6 50.6 76.0
61 40.3 32.3 48.5



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

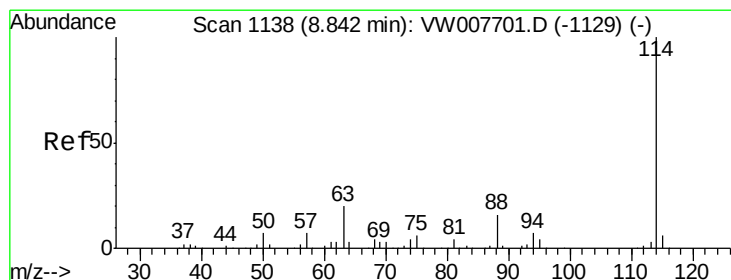
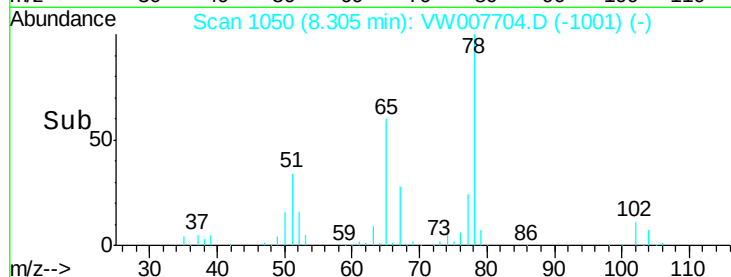
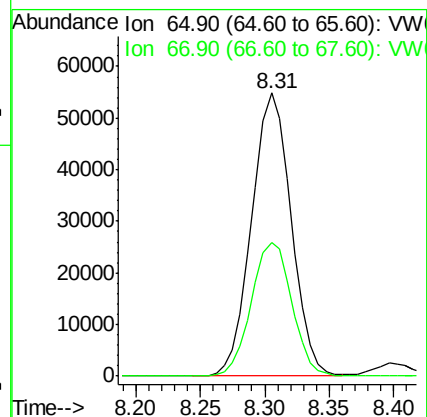
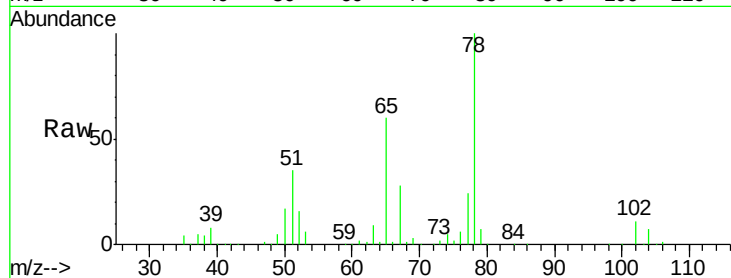




#33
 1,2-Dichloroethane-d4
 Concen: 144.172 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

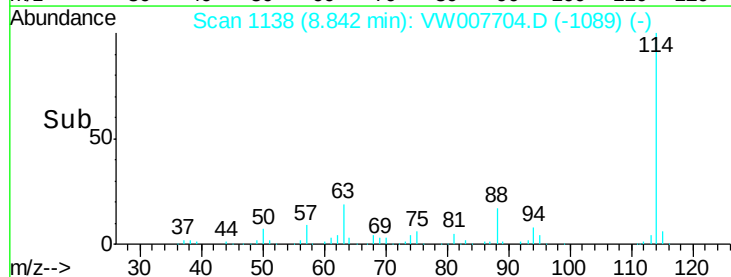
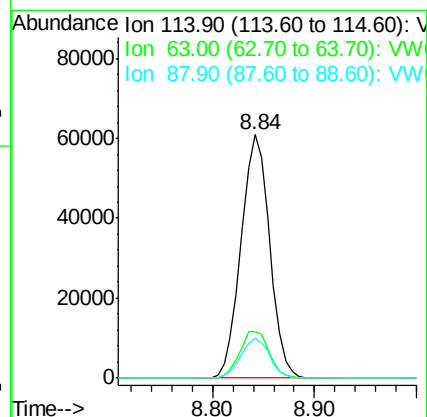
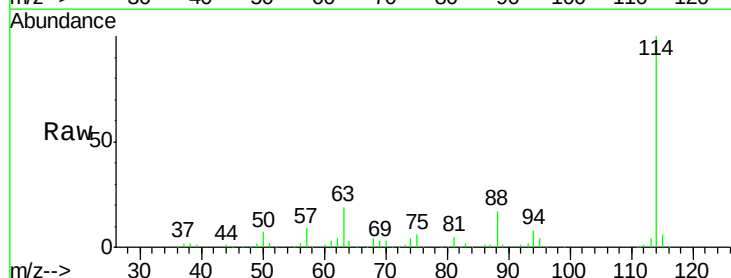
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

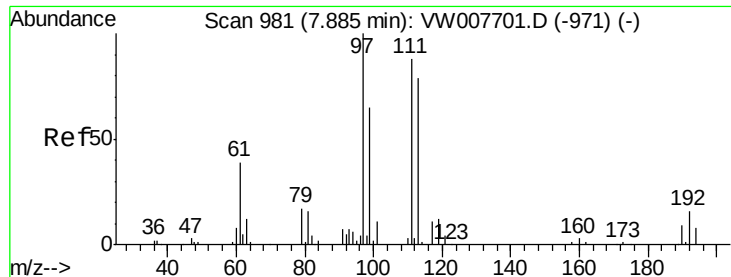
Tgt Ion: 65 Resp: 116781
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 114 Resp: 118410
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 146.115 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

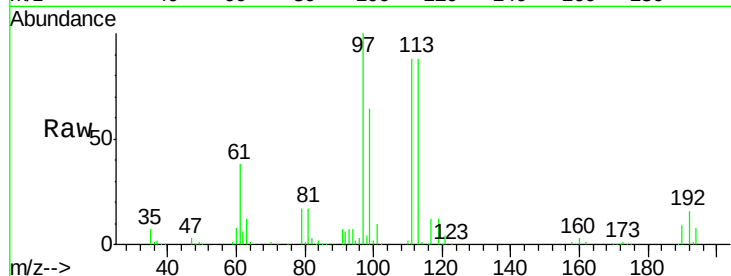
Tgt Ion: 113 Resp: 105548

Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

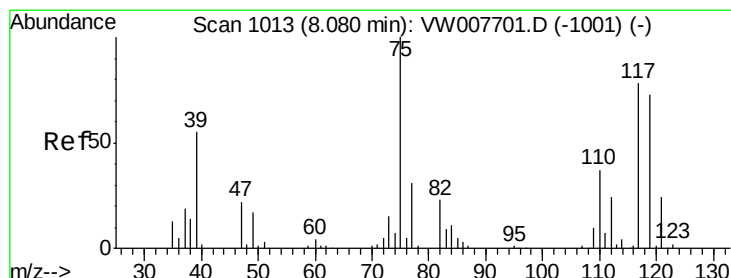
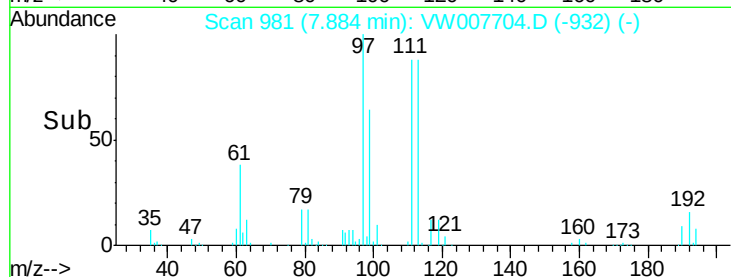
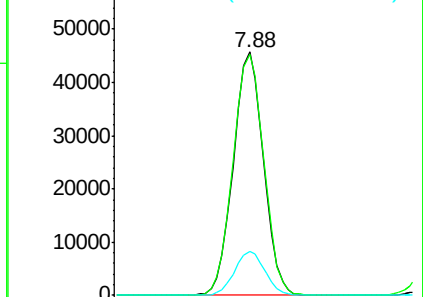
192 18.1 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 136.528 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

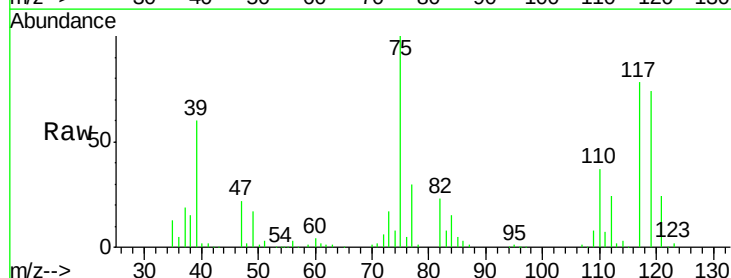
Tgt Ion: 75 Resp: 156033

Ion Ratio Lower Upper

75 100

110 36.6 18.6 55.8

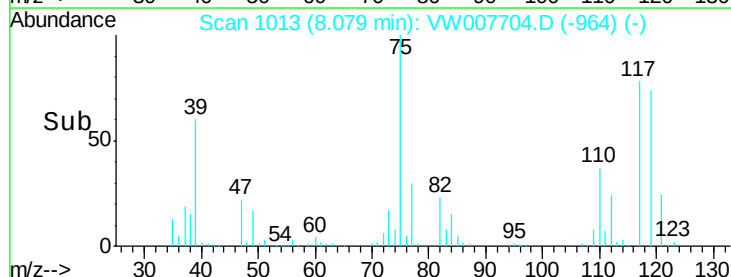
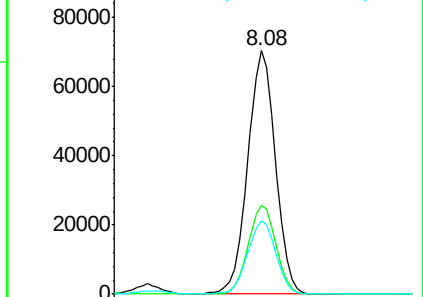
77 30.8 25.0 37.4

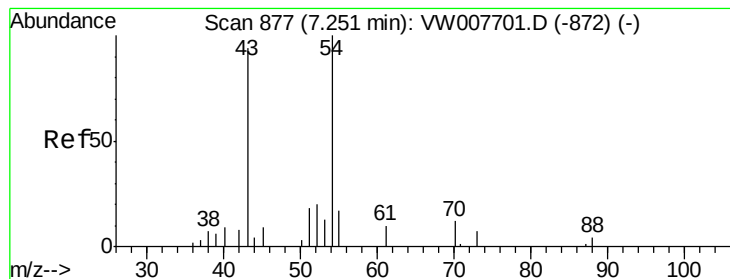


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 136.973 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

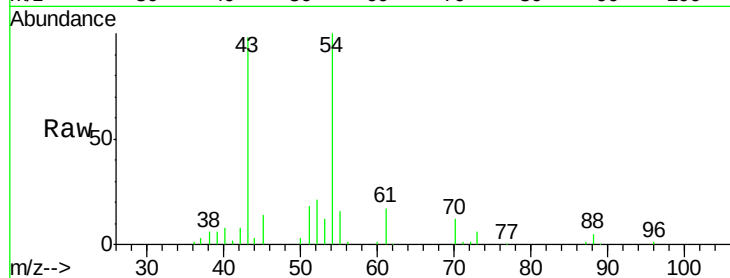
Tgt Ion: 43 Resp: 54025

Ion Ratio Lower Upper

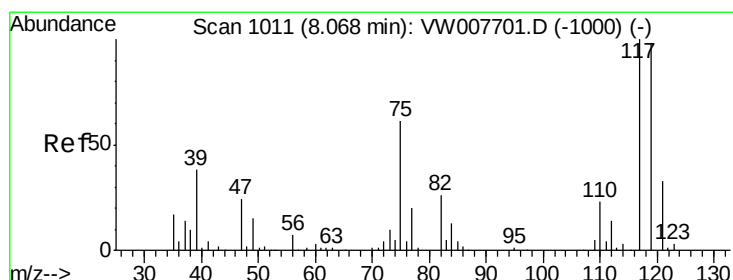
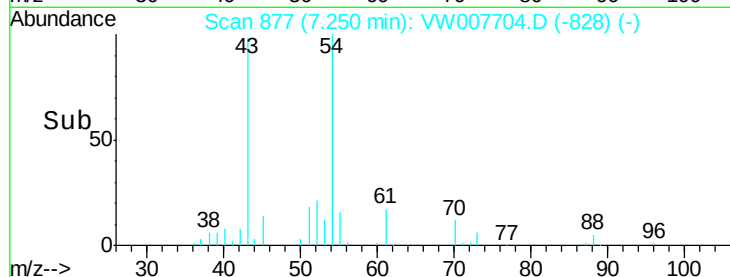
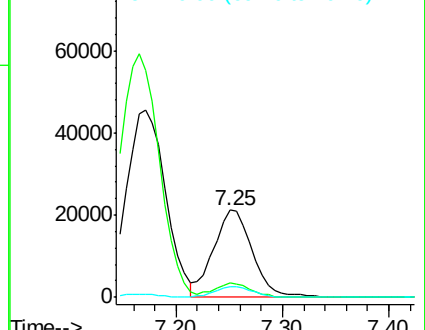
43 100

61 15.5 11.2 16.8

70 12.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 139.032 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

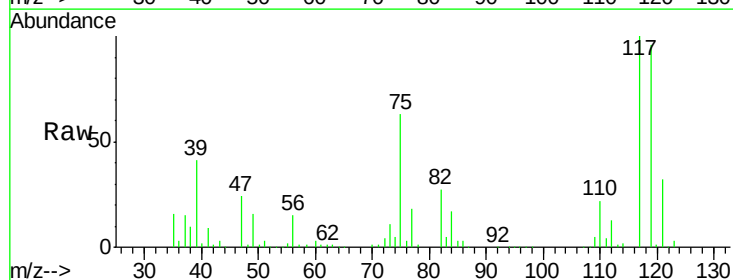
Tgt Ion: 117 Resp: 187130

Ion Ratio Lower Upper

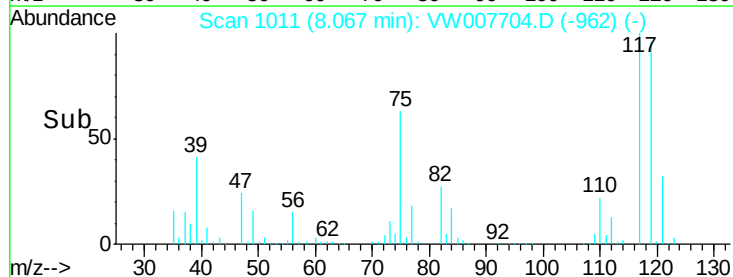
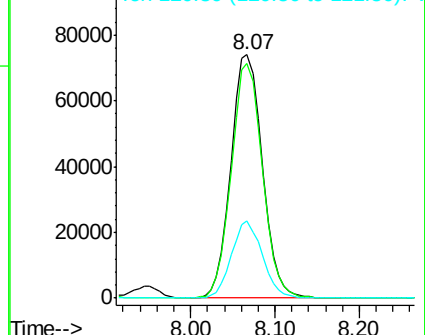
117 100

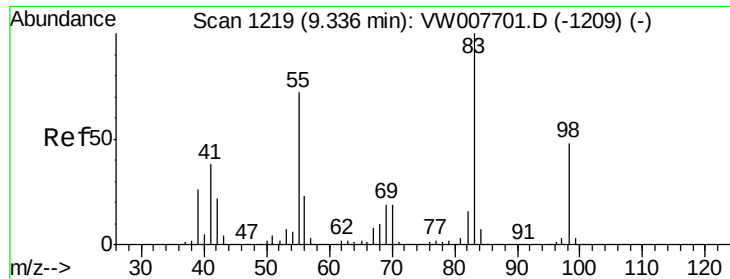
119 96.5 78.2 117.2

121 31.7 26.1 39.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

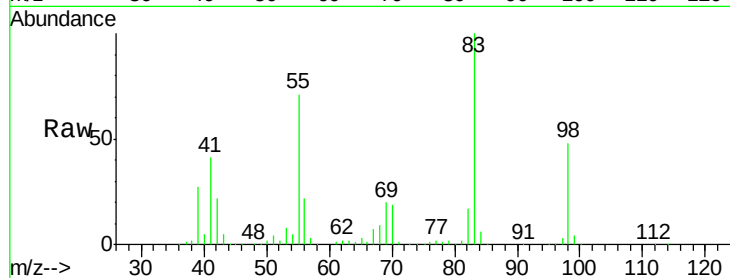




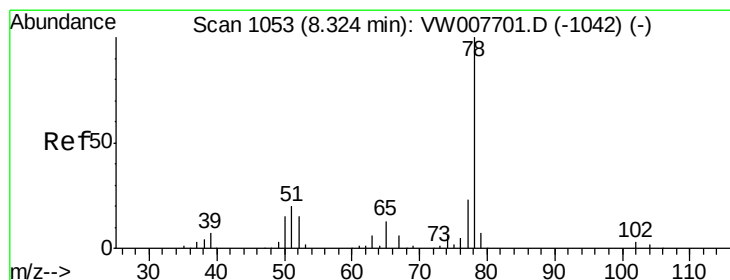
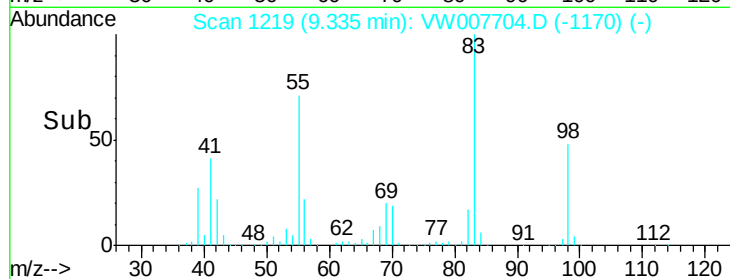
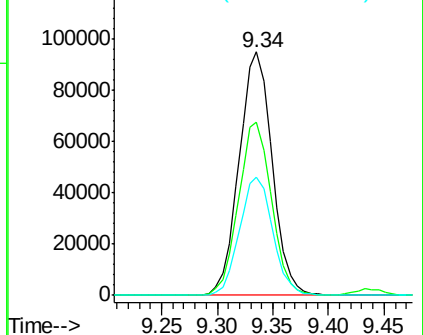
#39
Methylcyclohexane
Concen: 138.201 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 196264
Ion Ratio Lower Upper
83 100
55 71.4 57.2 85.8
98 48.4 38.6 58.0

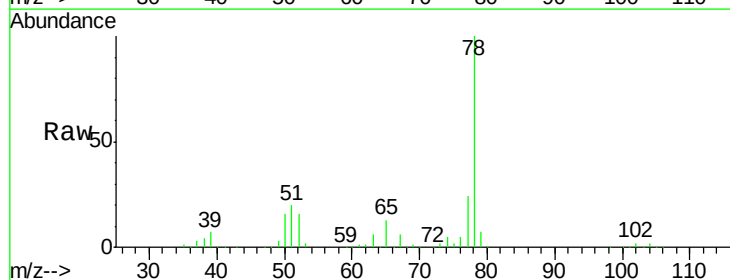


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

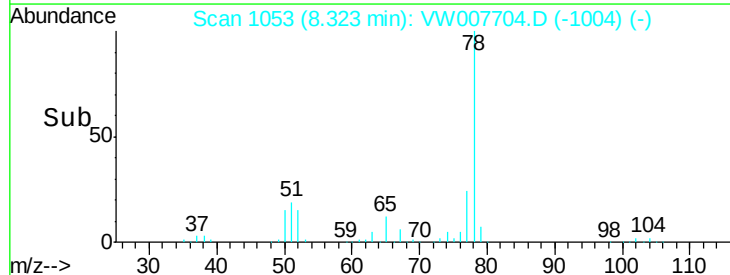
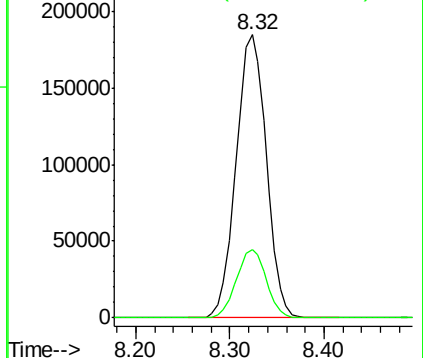


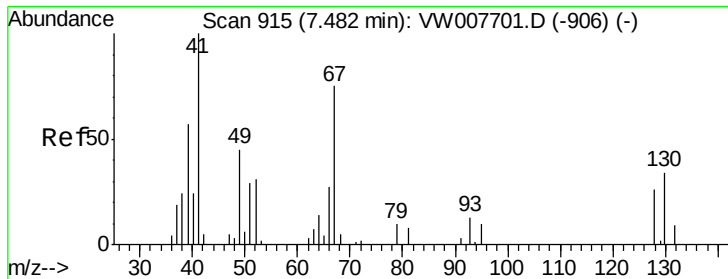
#40
Benzene
Concen: 135.504 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 78 Resp: 413250
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

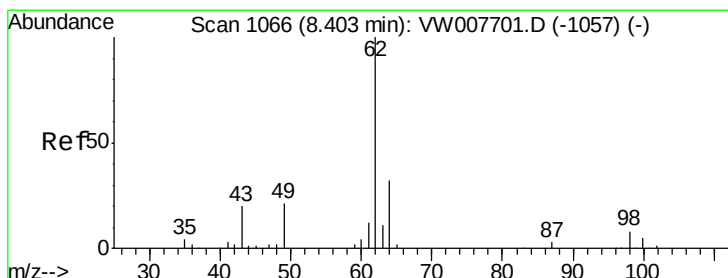
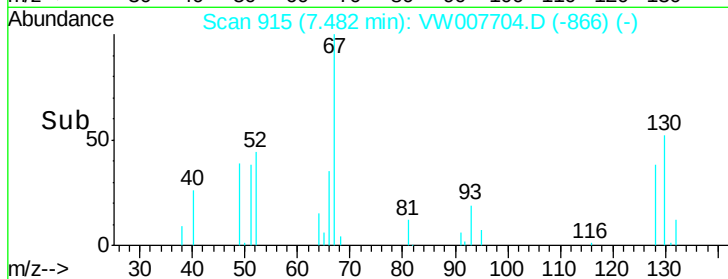
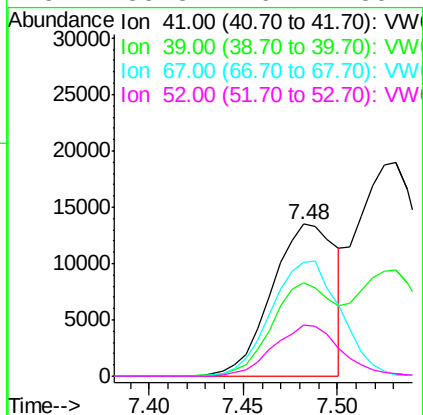
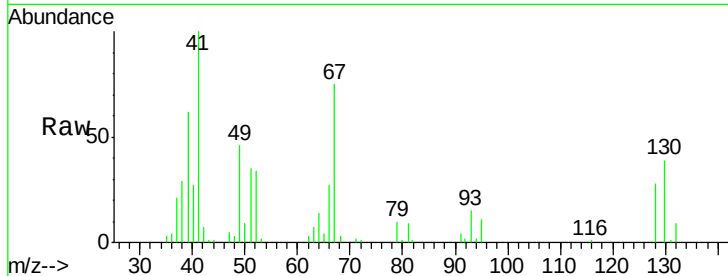




#41
Methacrylonitrile
Concen: 142.382 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

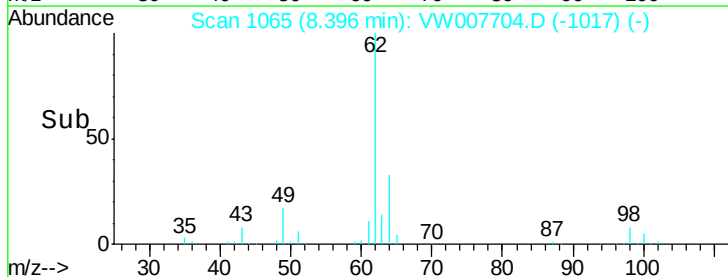
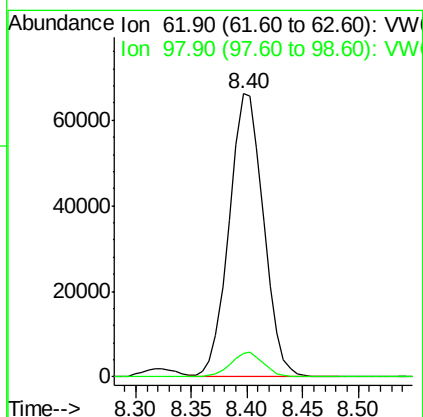
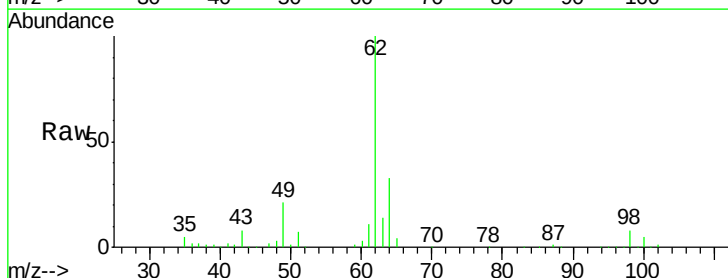
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

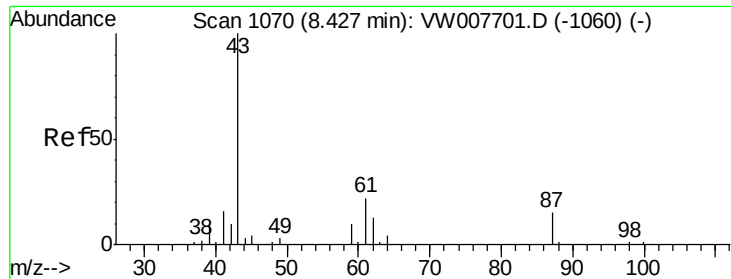
Tgt Ion:	41	Resp:	31884
Ion	Ratio	Lower	Upper
41	100		
39	59.3	54.2	81.4
67	81.9	65.7	98.5
52	35.3	26.2	39.4



#42
1,2-Dichloroethane
Concen: 138.542 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:	62	Resp:	141594
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 140.235 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

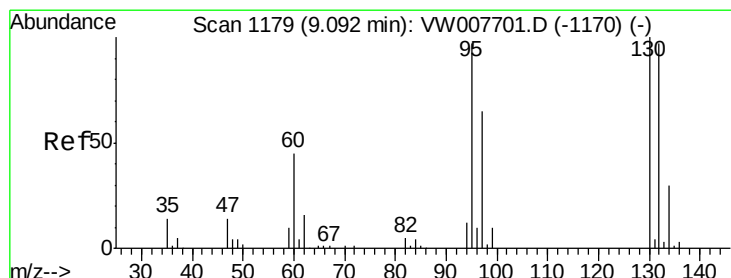
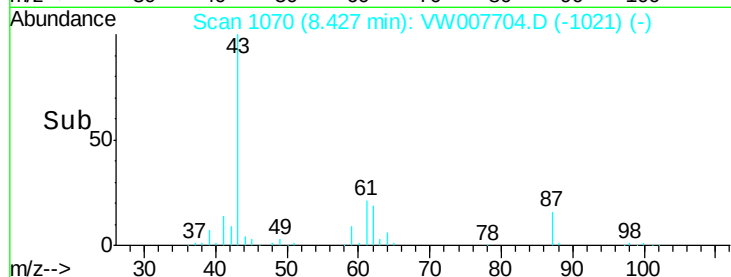
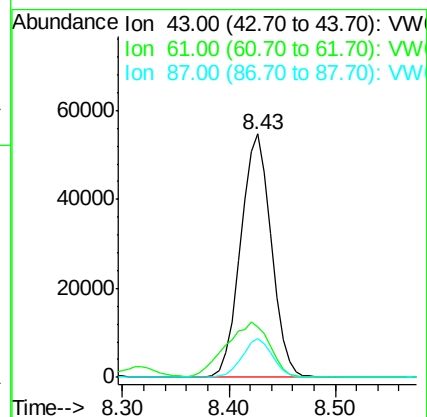
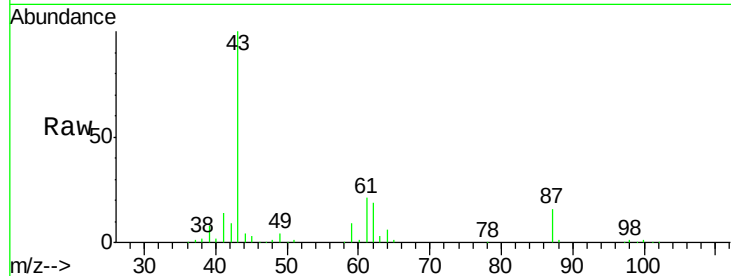
Tgt Ion: 43 Resp: 110814

Ion Ratio Lower Upper

43 100

61 32.2 26.3 39.5

87 15.7 12.0 18.0



#44

Trichloroethene

Concen: 136.228 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007704.D

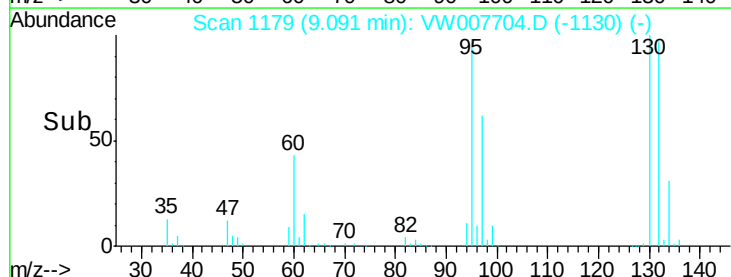
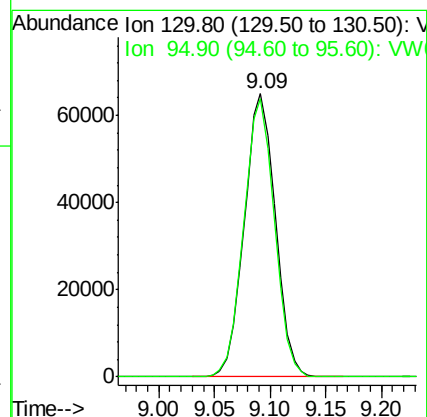
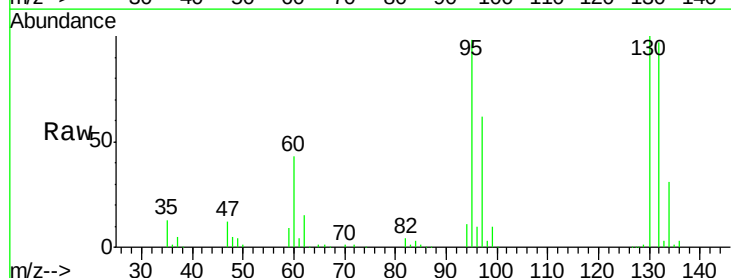
Acq: 19 Dec 2018 16:11

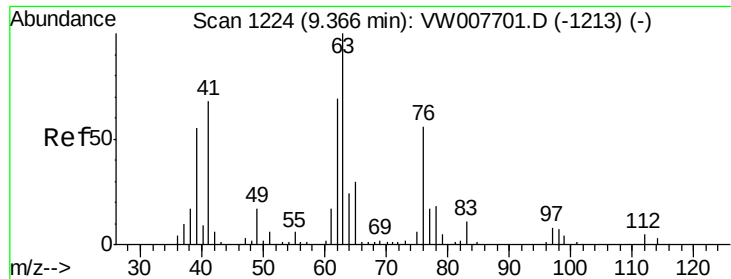
Tgt Ion: 130 Resp: 125641

Ion Ratio Lower Upper

130 100

95 98.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 137.289 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

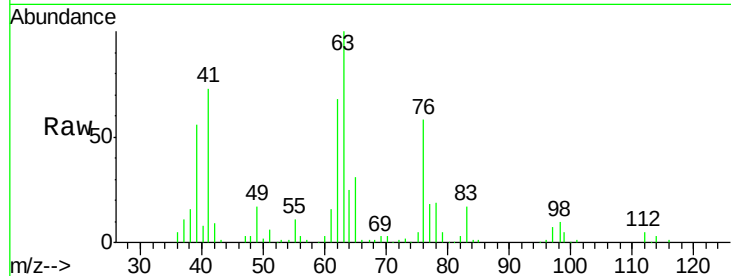
VSTDIC150

Tgt Ion: 63 Resp: 92904

Ion Ratio Lower Upper

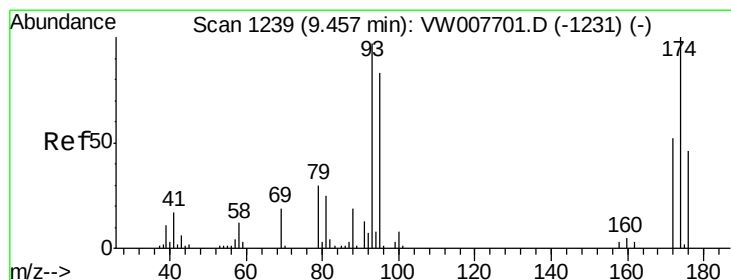
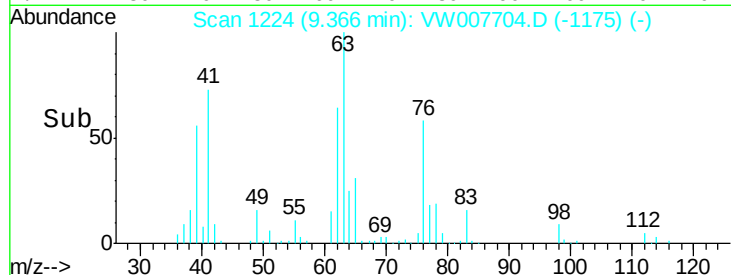
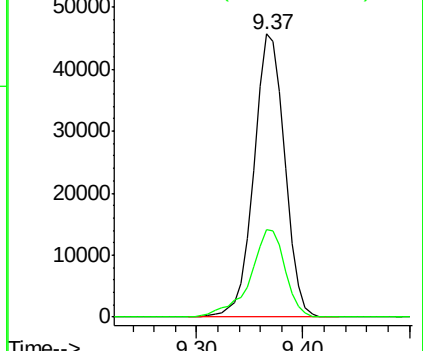
63 100

65 30.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 138.235 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

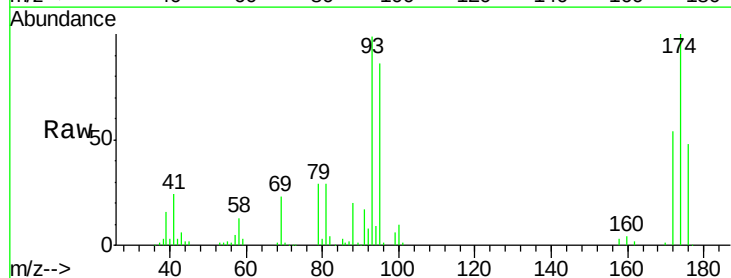
Tgt Ion: 93 Resp: 57583

Ion Ratio Lower Upper

93 100

95 83.2 67.5 101.3

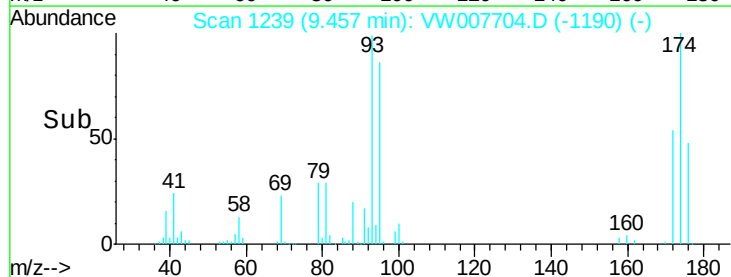
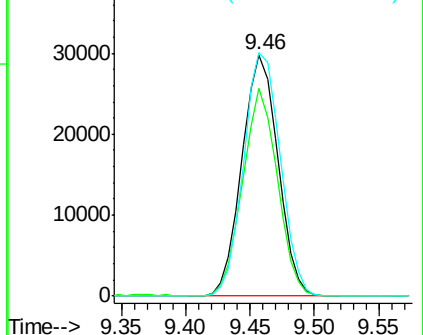
174 103.1 83.9 125.9

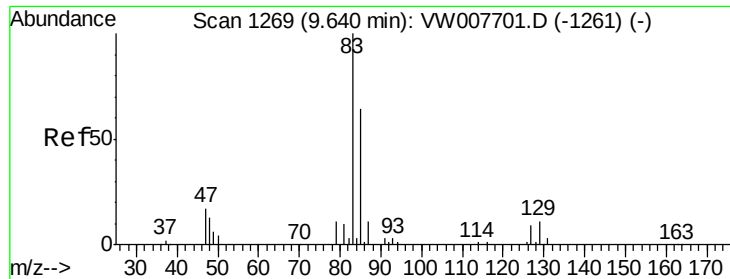


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 139.407 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

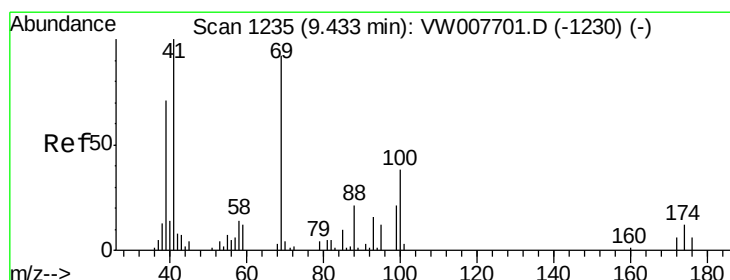
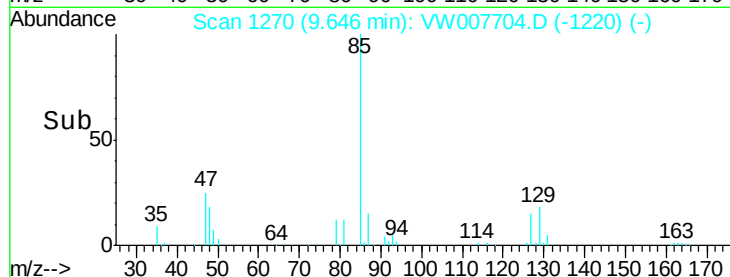
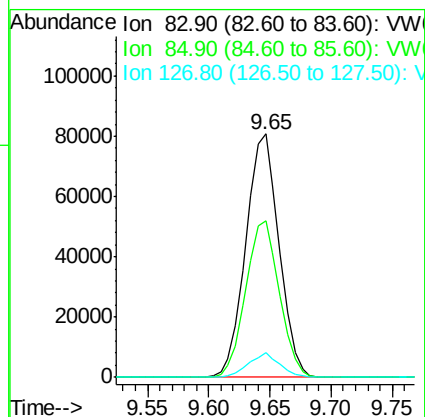
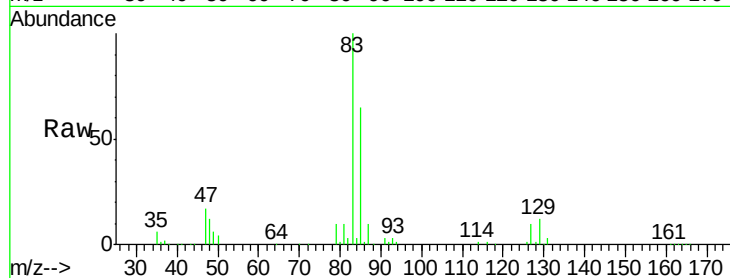
Tgt Ion: 83 Resp: 152666

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0

127 10.0 7.5 11.3



#48

Methyl methacrylate

Concen: 143.878 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

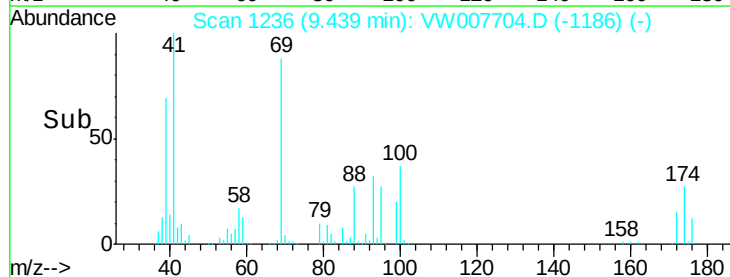
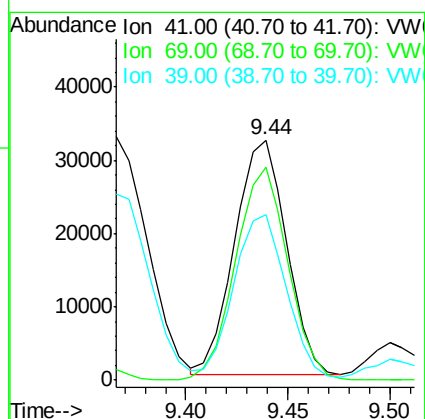
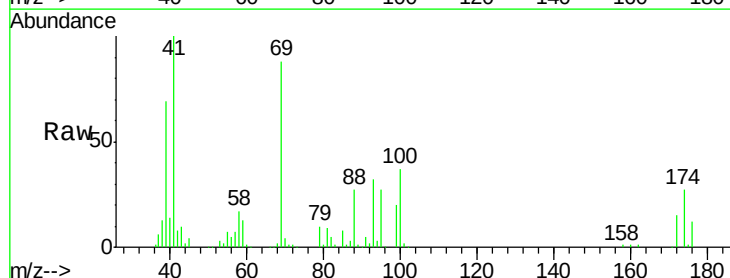
Tgt Ion: 41 Resp: 56750

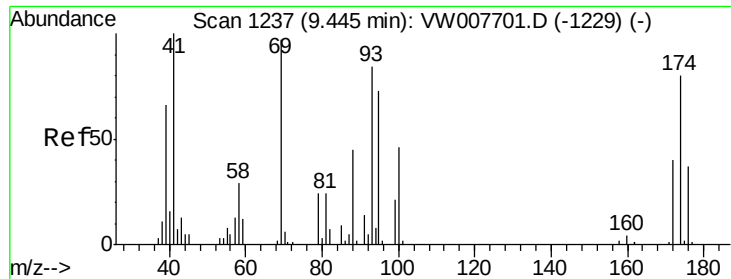
Ion Ratio Lower Upper

41 100

69 91.4 74.2 111.2

39 72.1 53.9 80.9

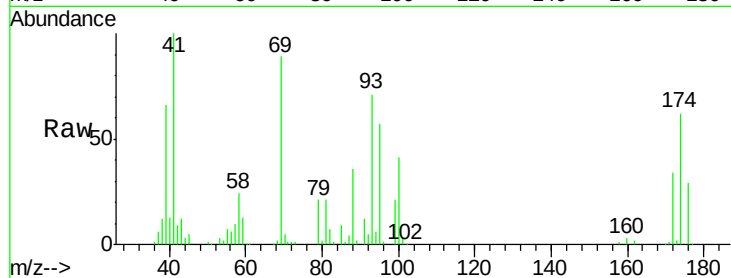




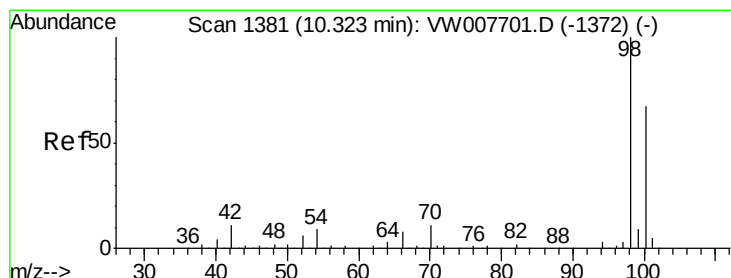
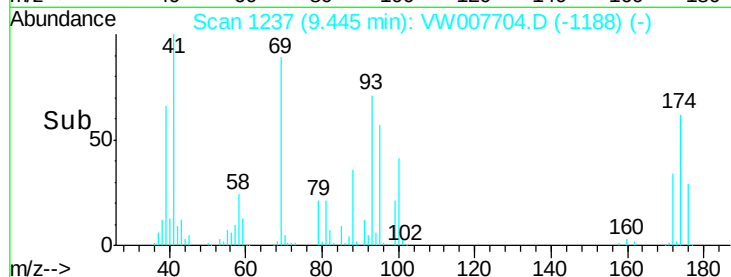
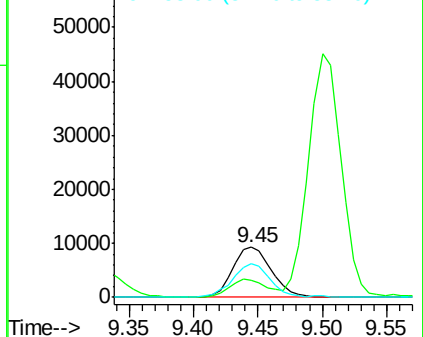
#49
 1,4-Dioxane
 Concen: 2951.675 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 19494
 Ion Ratio Lower Upper
 88 100
 43 35.4 25.6 38.4
 58 65.6 52.3 78.5

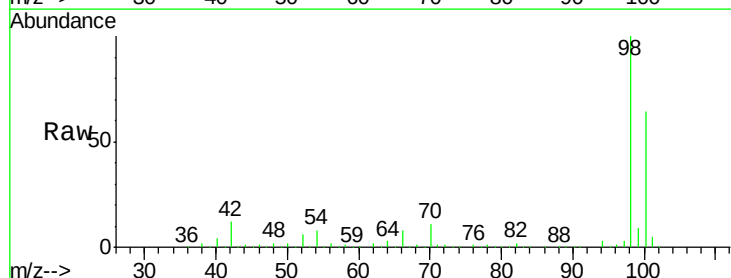


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

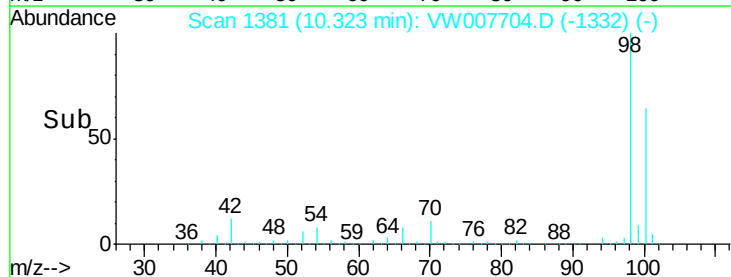
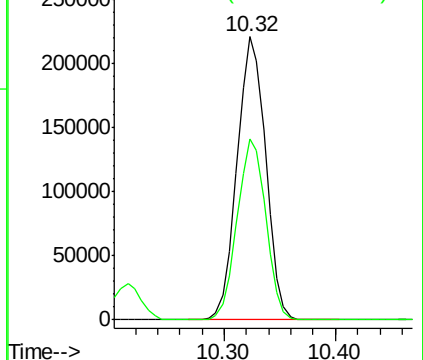


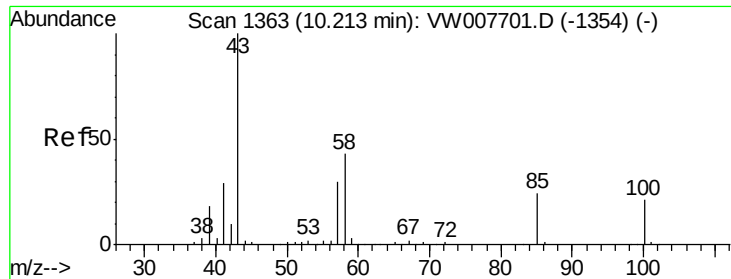
#50
 Toluene-d8
 Concen: 144.579 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 98 Resp: 393717
 Ion Ratio Lower Upper
 98 100
 100 64.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

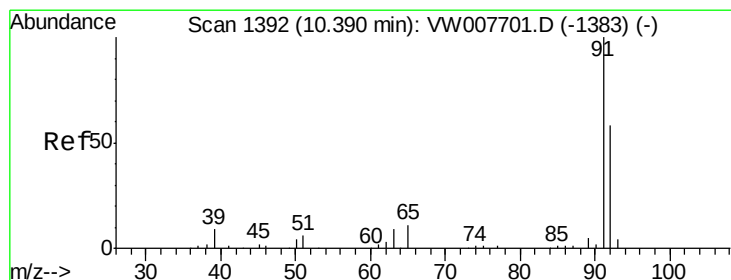
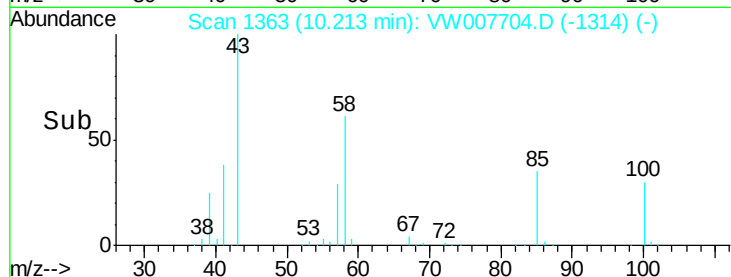
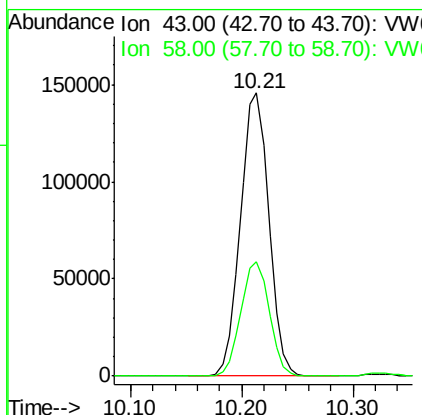
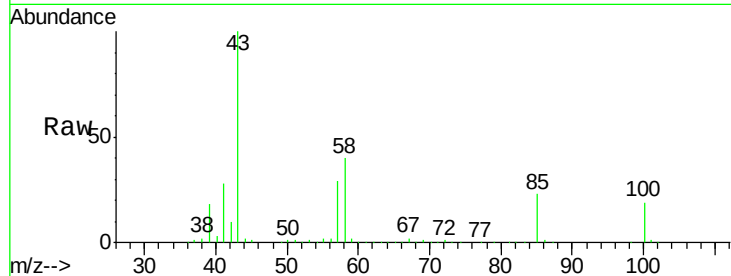




#51
4-Methyl-2-Pentanone
Concen: 691.819 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

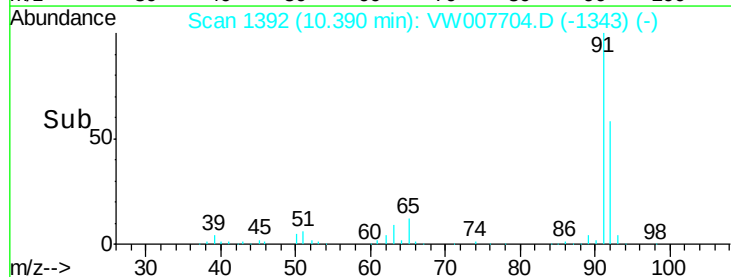
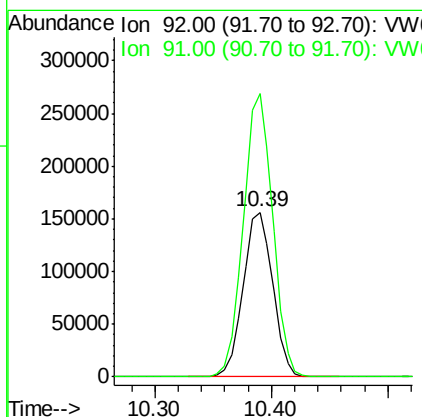
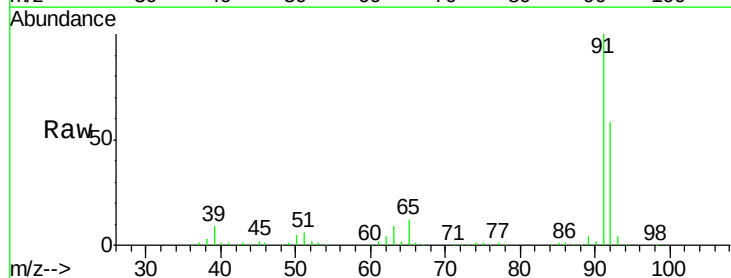
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

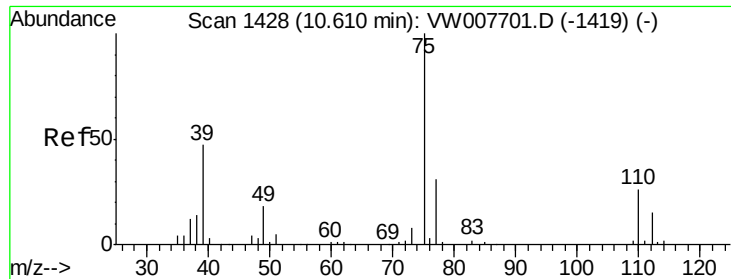
Tgt Ion: 43 Resp: 258358
Ion Ratio Lower Upper
43 100
58 40.6 33.2 49.8



#52
Toluene
Concen: 135.243 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 92 Resp: 276728
Ion Ratio Lower Upper
92 100
91 171.0 137.0 205.4

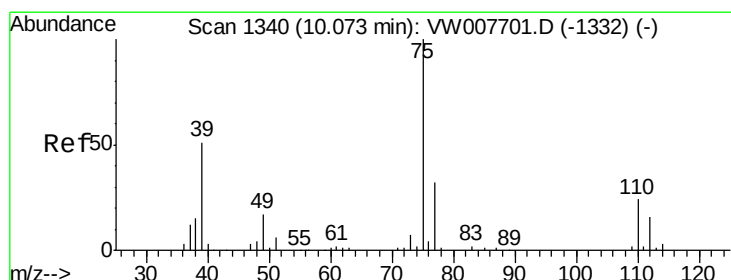
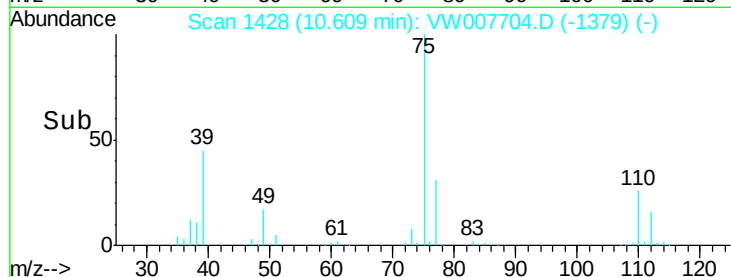
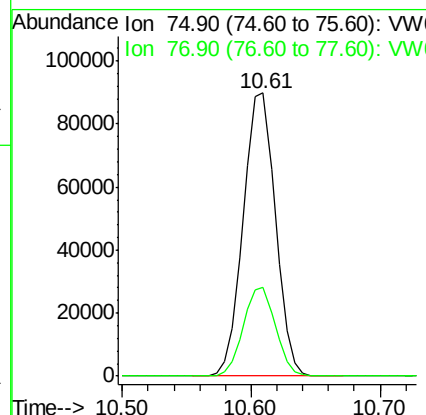
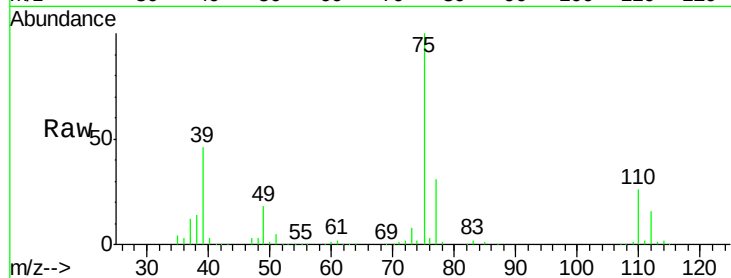




#53
 t-1,3-Dichloropropene
 Concen: 142.701 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

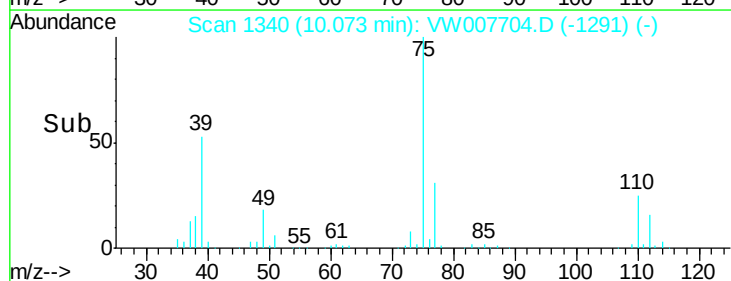
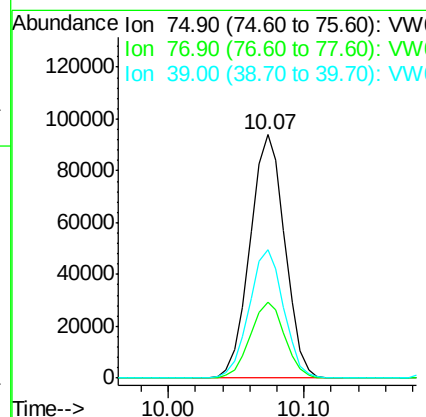
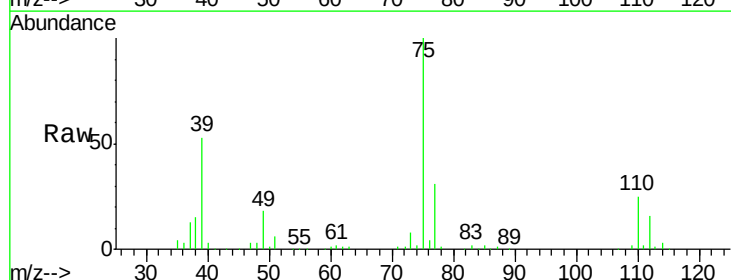
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

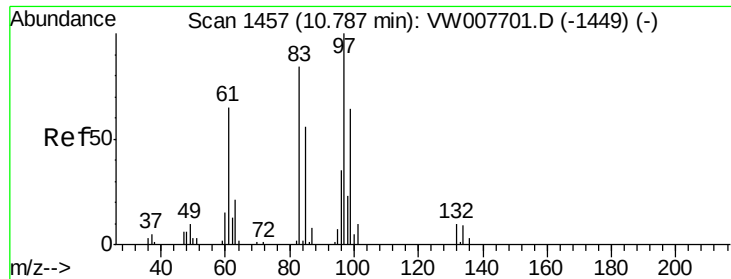
Tgt Ion: 75 Resp: 155439
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 140.199 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 75 Resp: 168683
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3
 39 52.9 41.2 61.8

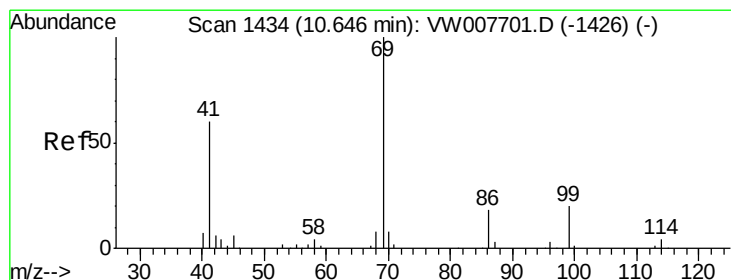
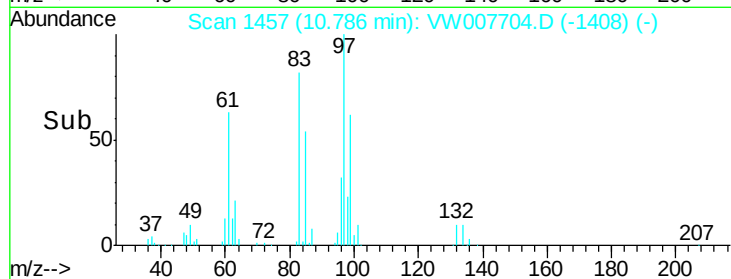
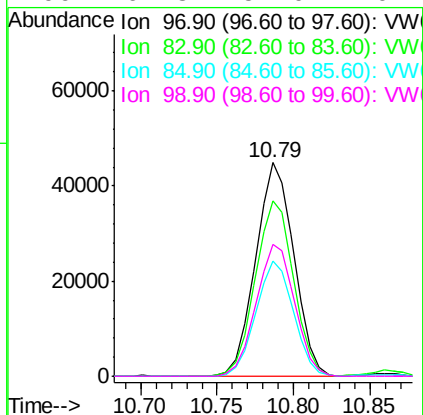
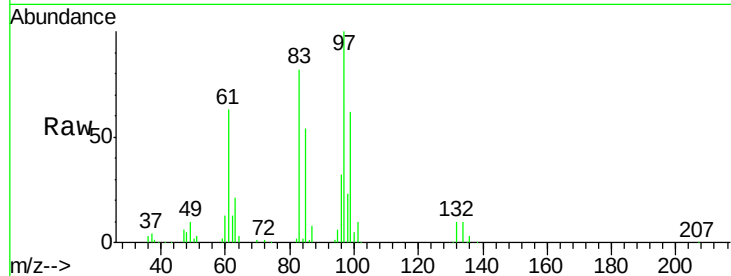




#55
 1,1,2-Trichloroethane
 Concen: 136.062 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

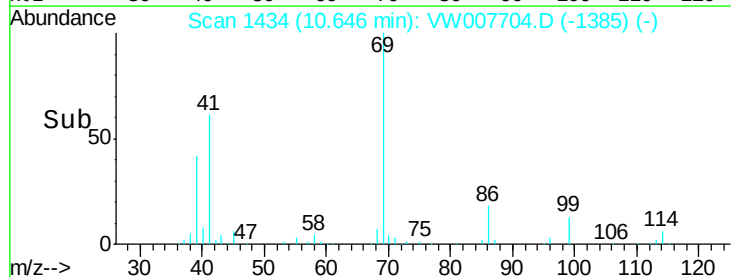
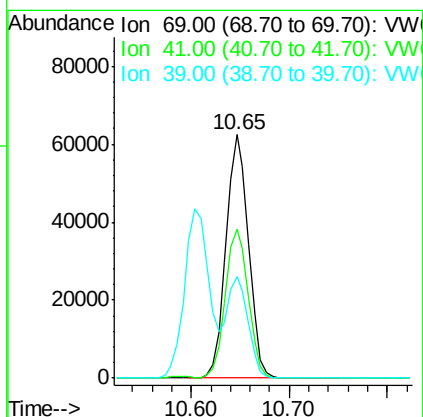
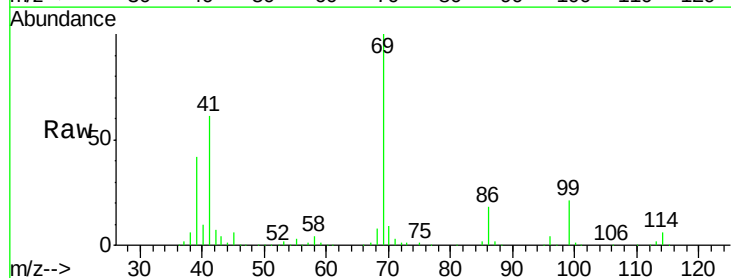
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

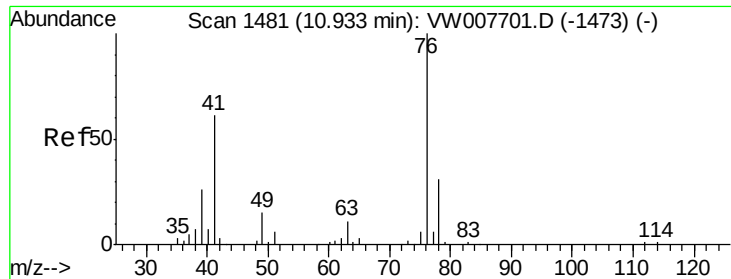
Tgt Ion:	97	Resp:	78136
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.5	101.3
85	54.2	44.8	67.2
99	61.8	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 146.156 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion:	69	Resp:	99167
Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.9	73.3
39	39.5	31.3	46.9

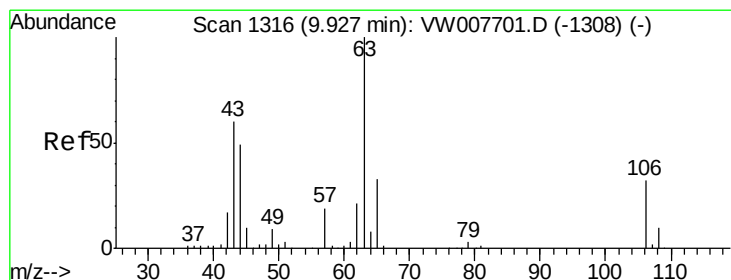
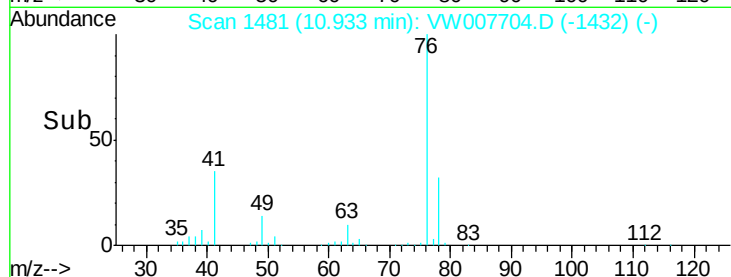
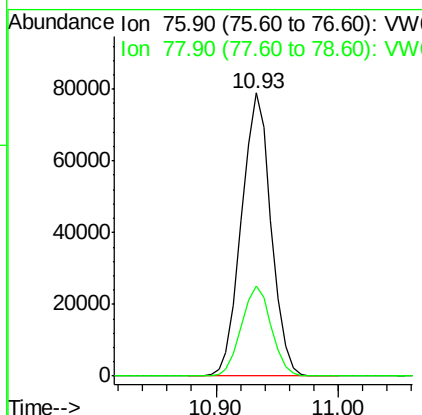
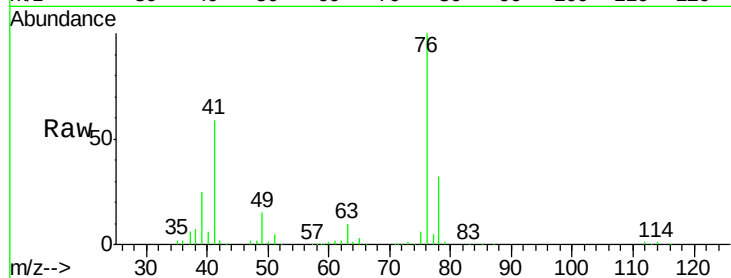




#57
 1,3-Dichloropropane
 Concen: 138.463 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

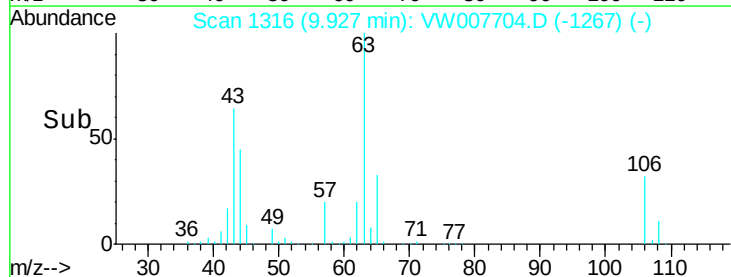
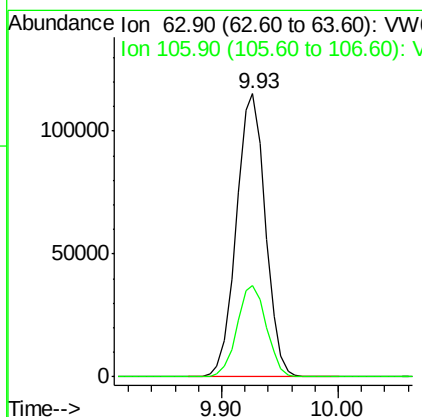
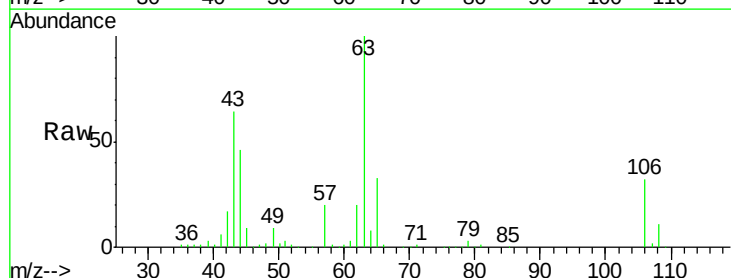
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

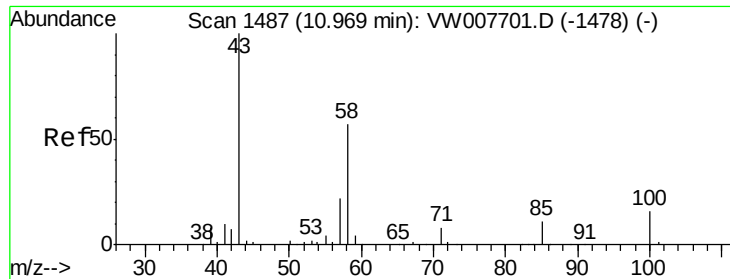
Tgt Ion: 76 Resp: 132038
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 645.324 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 63 Resp: 199911
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.9 38.9

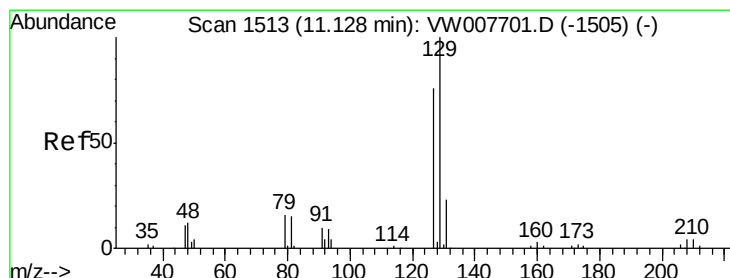
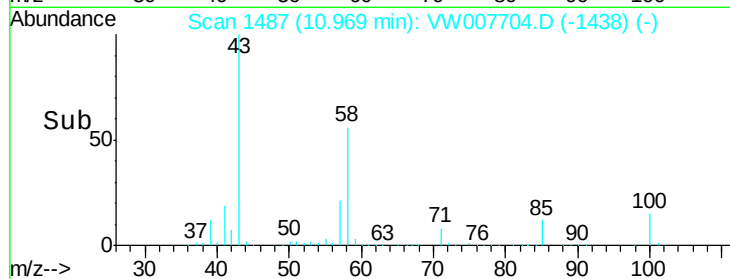
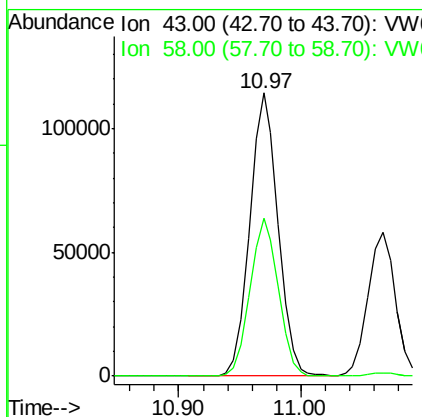
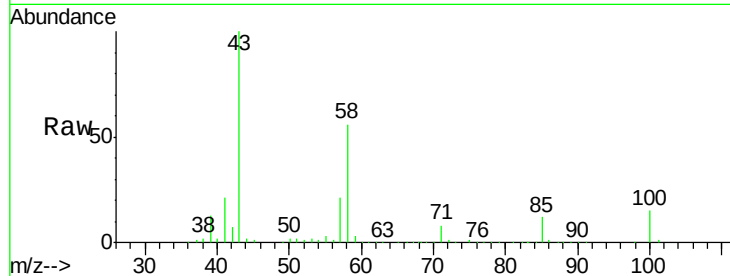




#59
2-Hexanone
Concen: 700.487 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

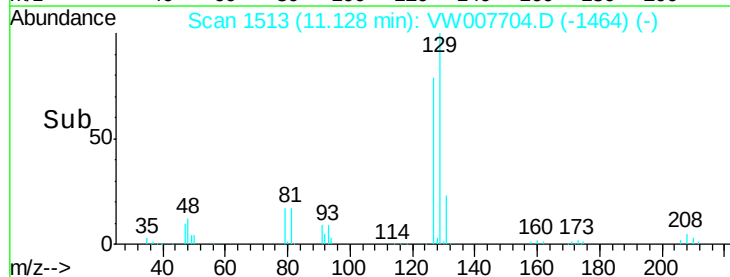
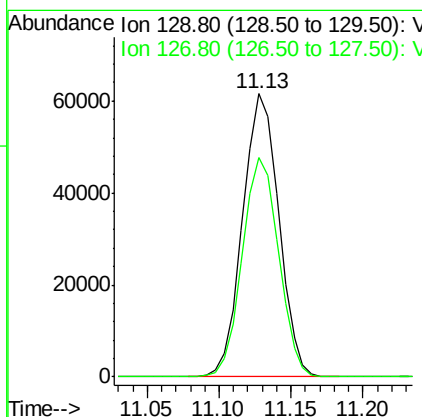
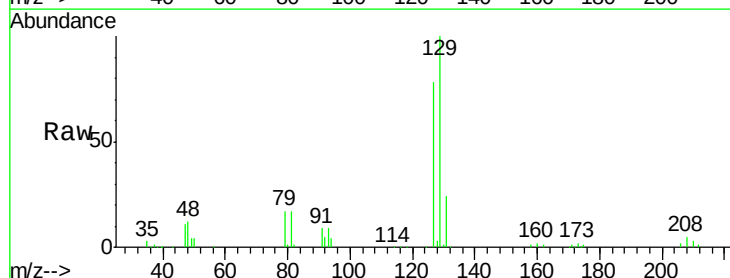
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

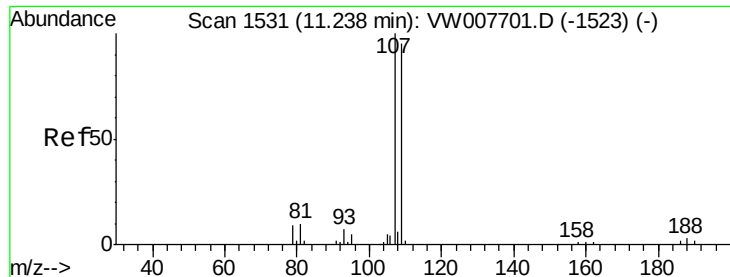
Tgt Ion: 43 Resp: 183972
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1



#60
Dibromochloromethane
Concen: 140.969 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 129 Resp: 107188
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9

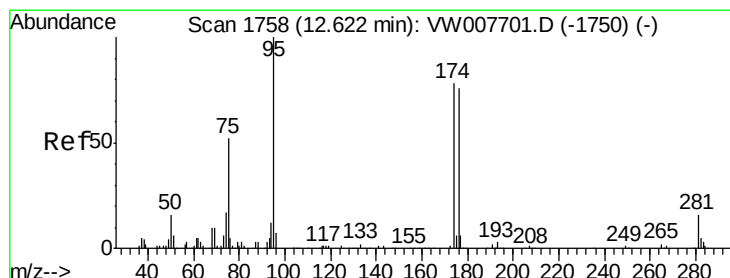
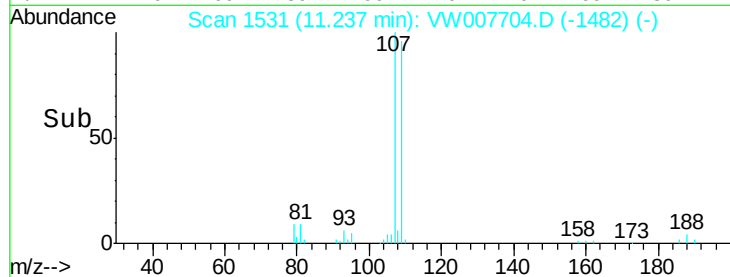
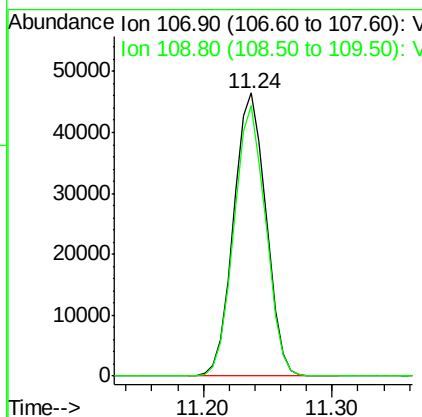
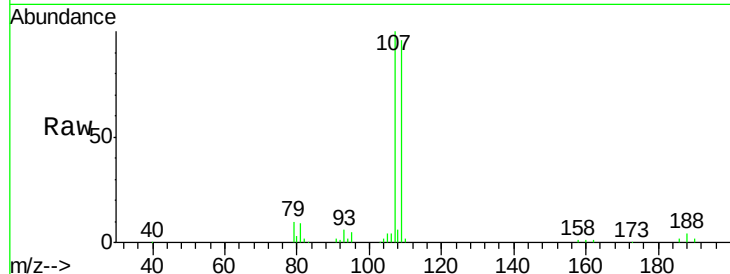




#61
 1,2-Dibromoethane
 Concen: 139.485 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

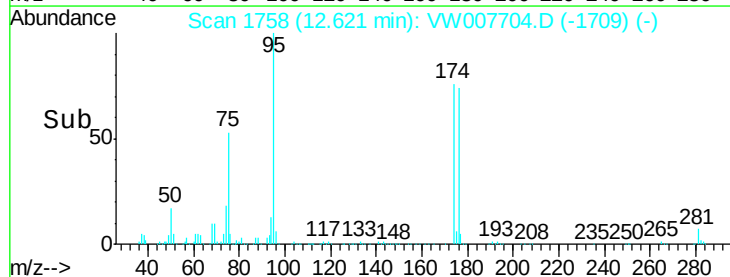
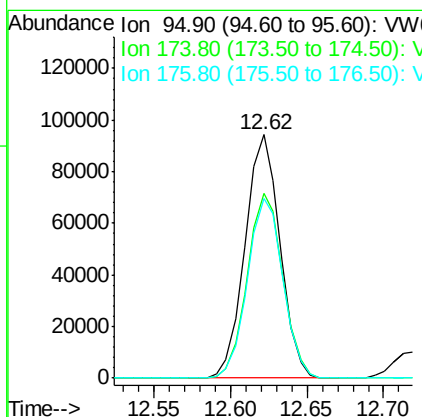
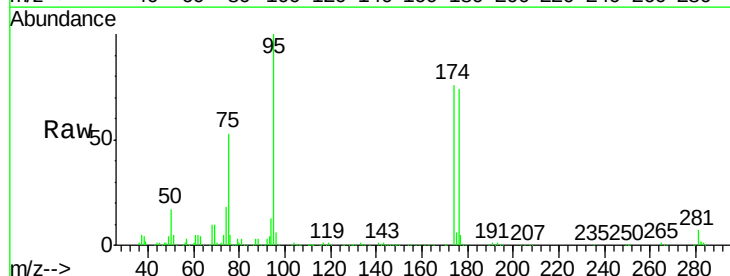
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

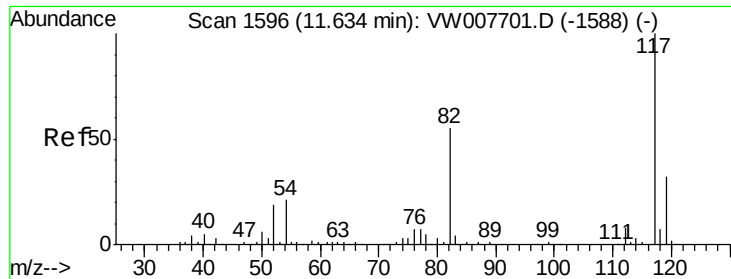
Tgt Ion: 107 Resp: 81116
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 142.204 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion: 95 Resp: 149603
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 152.2
 176 74.9 0.0 146.8

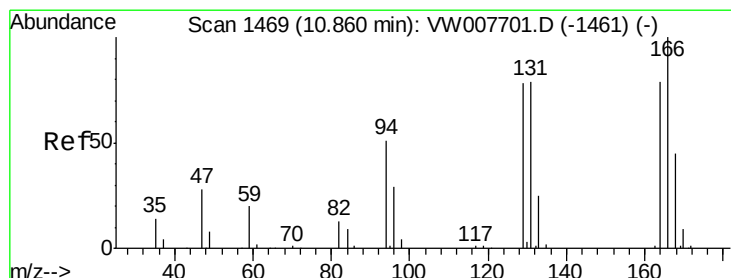
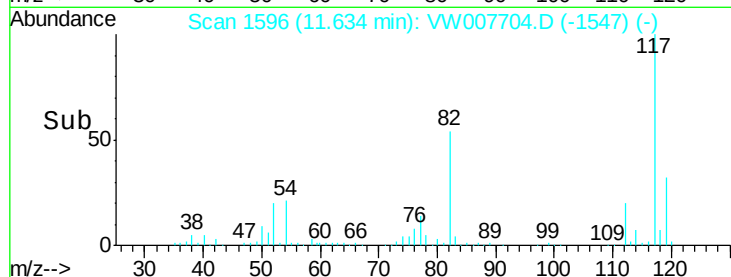
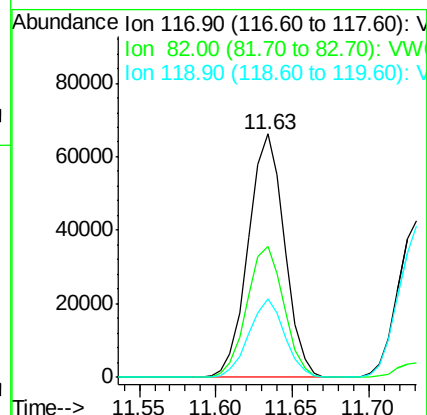
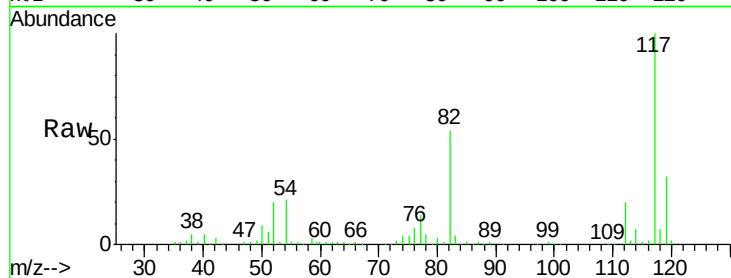




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

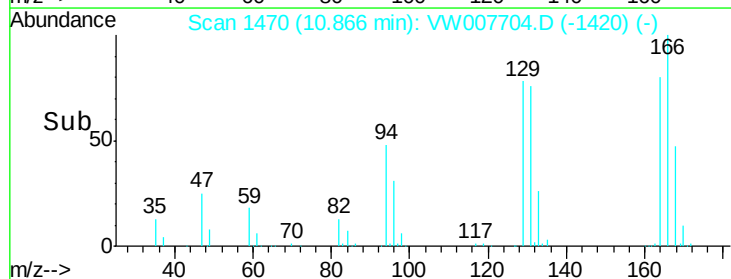
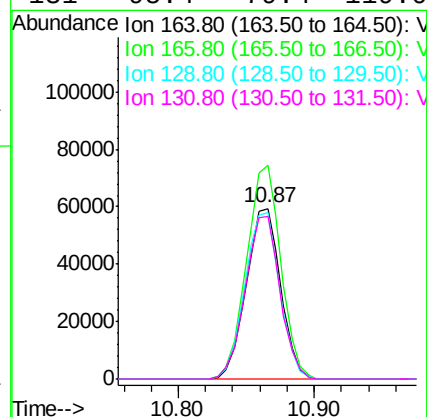
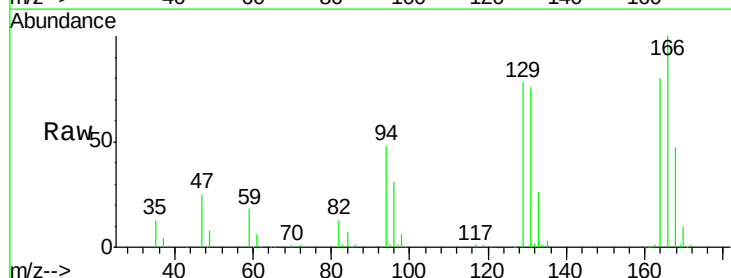
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

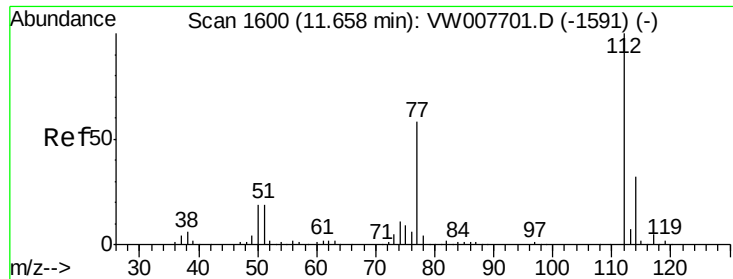
Tgt Ion:117 Resp: 109019
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 135.863 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:164 Resp: 104885
Ion Ratio Lower Upper
164 100
166 125.5 101.0 151.6
129 97.6 78.7 118.1
131 95.4 79.4 119.0

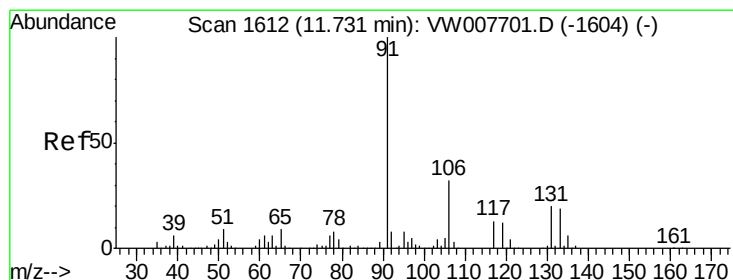
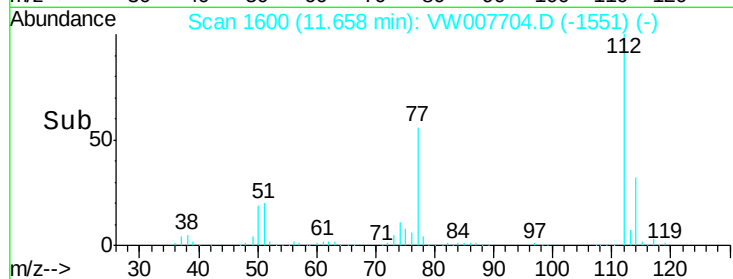
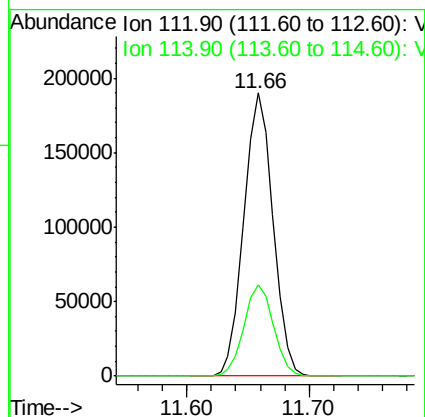
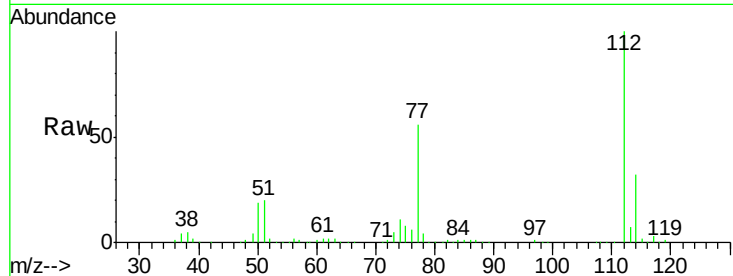




#65
Chlorobenzene
Concen: 133.491 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

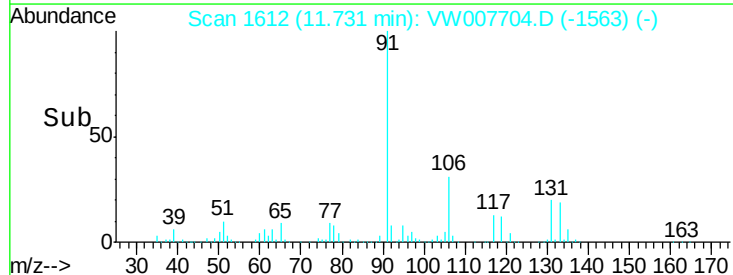
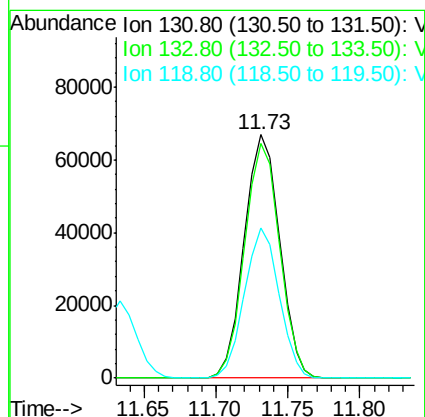
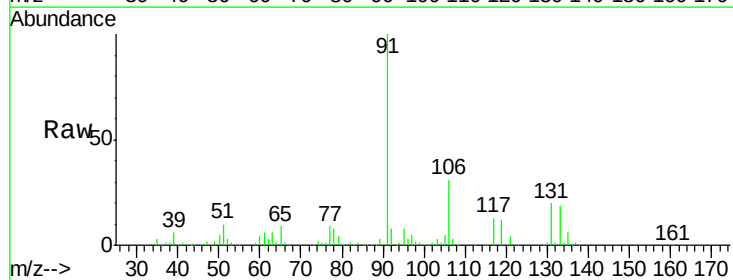
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

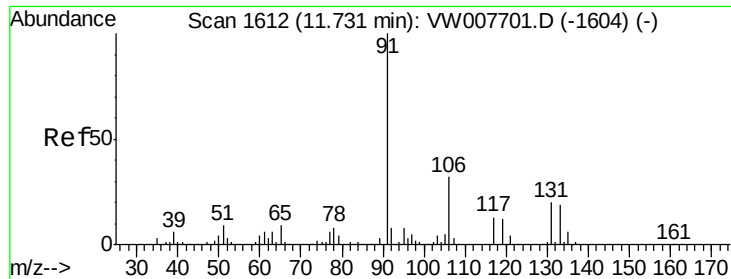
Tgt Ion:112 Resp: 314989
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 135.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:131 Resp: 114171
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 60.7 30.2 90.6

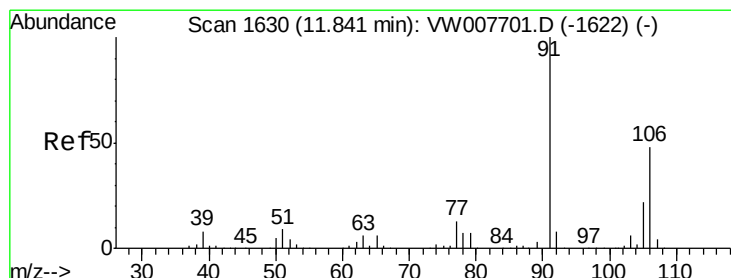
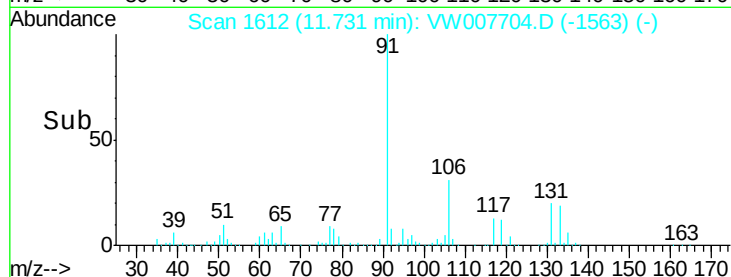
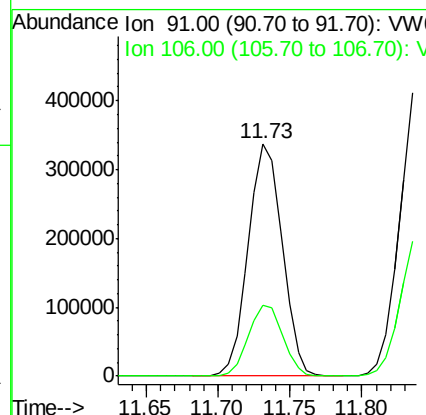
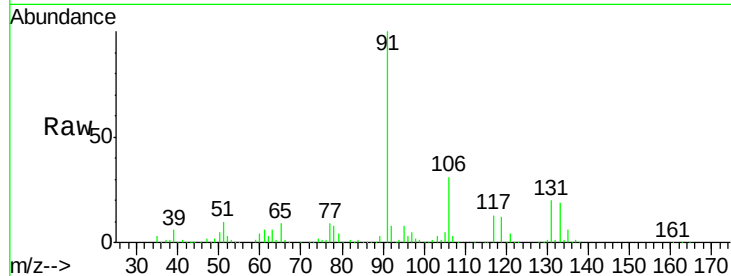




#67
Ethyl Benzene
Concen: 136.116 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

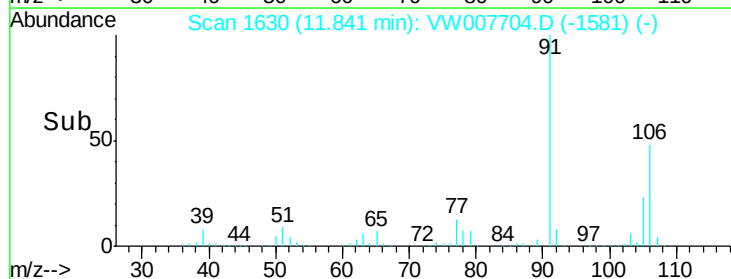
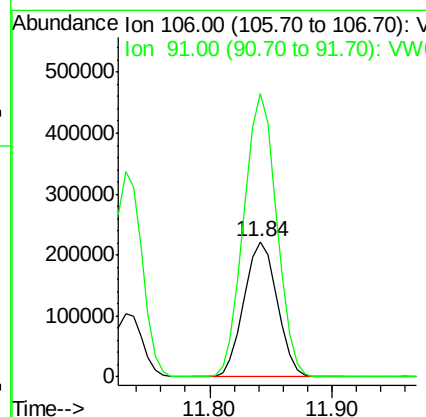
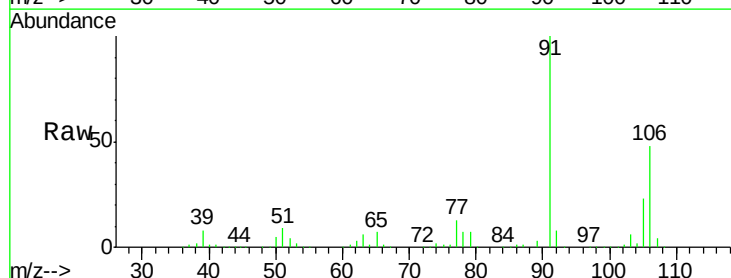
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

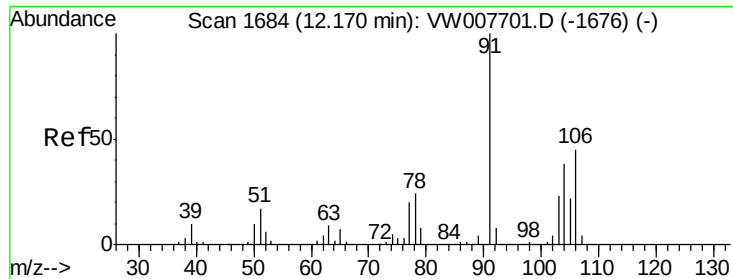
Tgt Ion: 91 Resp: 551150
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8



#68
m/p-Xylenes
Concen: 266.829 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 106 Resp: 419113
Ion Ratio Lower Upper
106 100
91 207.6 165.2 247.8

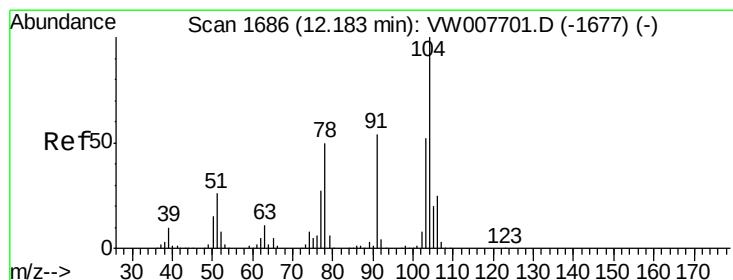
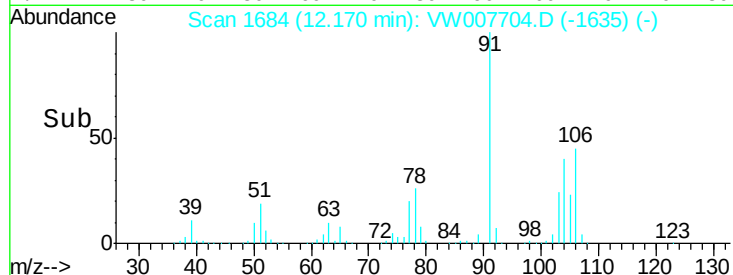
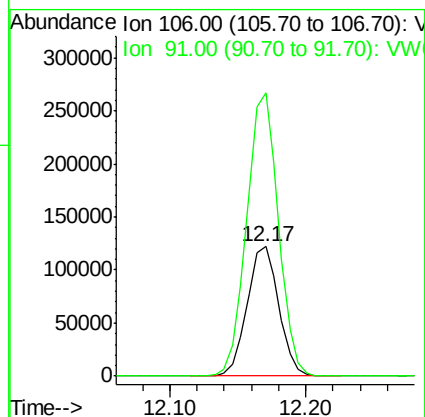
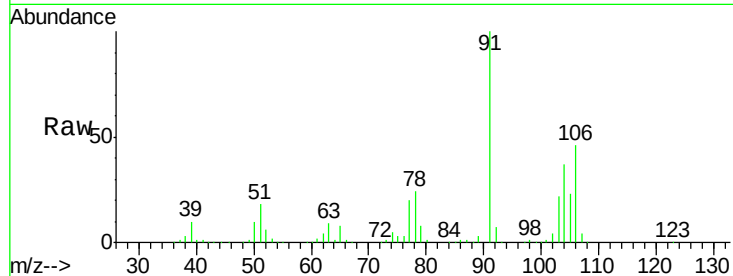




#69
o-Xylene
Concen: 135.570 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

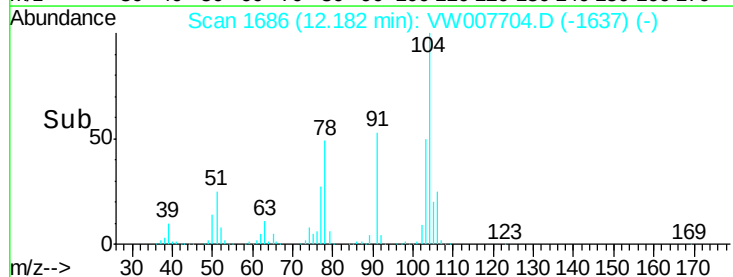
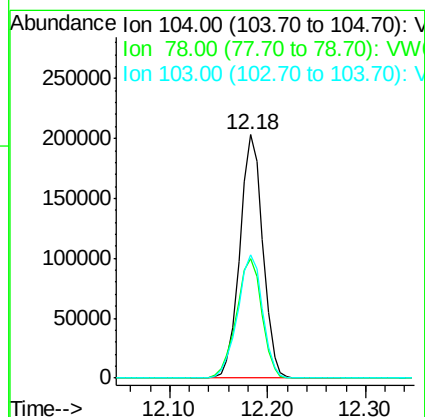
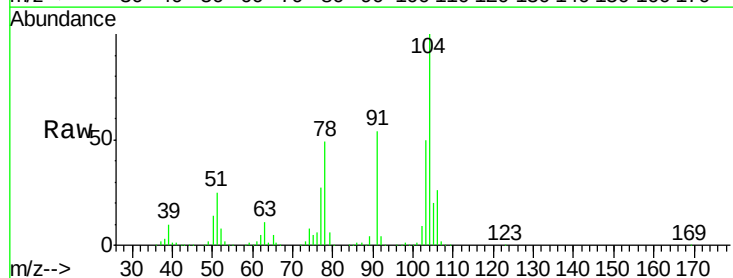
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

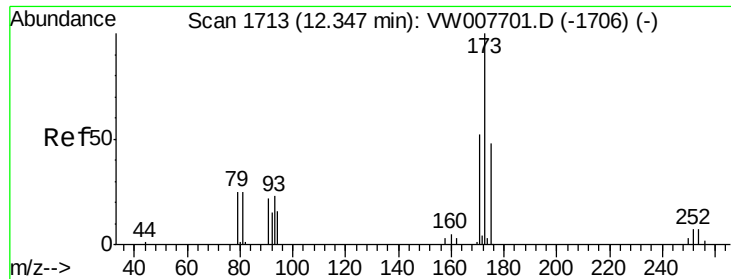
Tgt Ion:106 Resp: 199606
Ion Ratio Lower Upper
106 100
91 218.0 110.5 331.4



#70
Styrene
Concen: 136.314 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:104 Resp: 329912
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 55.2 44.5 66.7





#71

Bromoform

Concen: 140.995 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

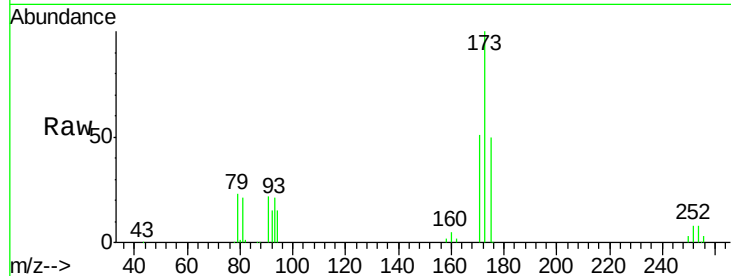
Tgt Ion:173 Resp: 61712

Ion Ratio Lower Upper

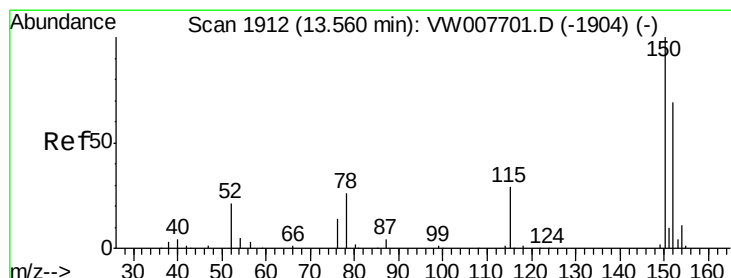
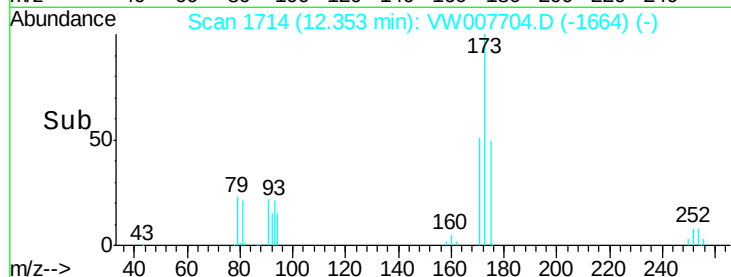
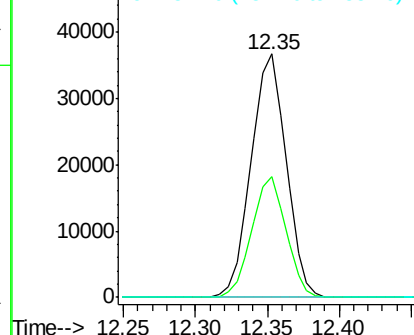
173 100

175 48.6 23.9 71.7

254 0.1 0.0 0.0#



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

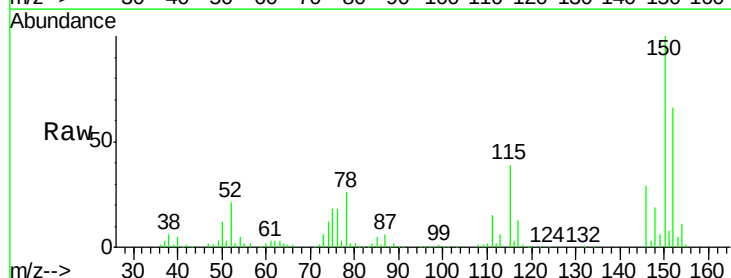
Tgt Ion:152 Resp: 53249

Ion Ratio Lower Upper

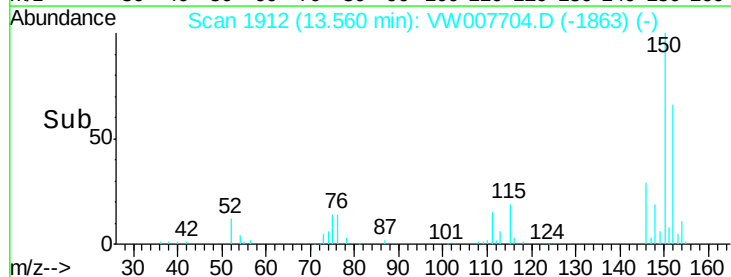
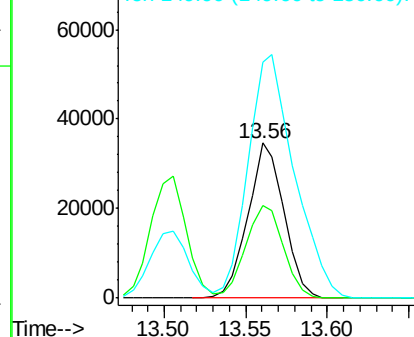
152 100

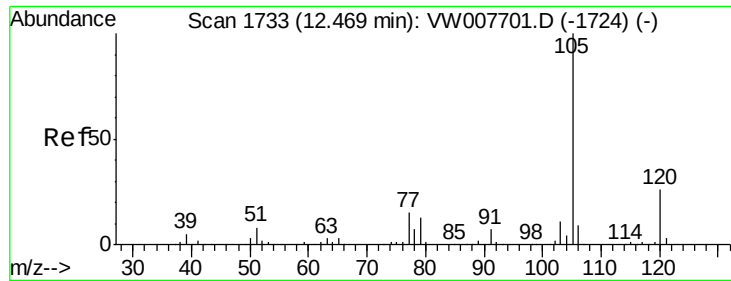
115 62.8 31.8 95.4

150 201.0 0.0 350.8



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: 141.062 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

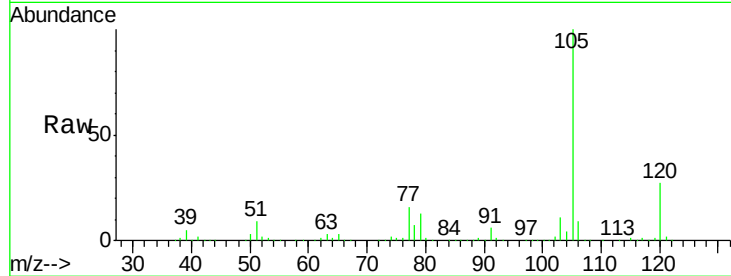
VSTDIC150

Tgt Ion:105 Resp: 567778

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

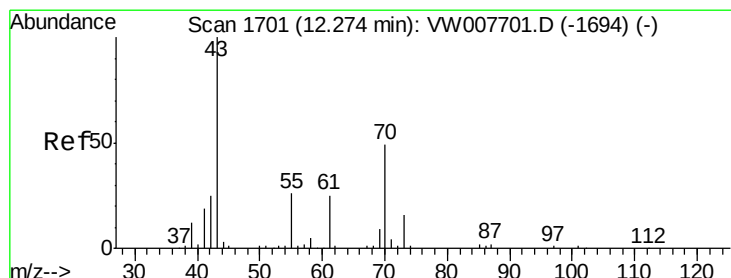
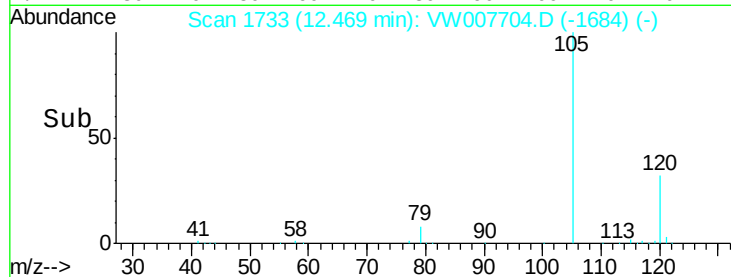
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 148.349 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Tgt Ion: 43 Resp: 103428

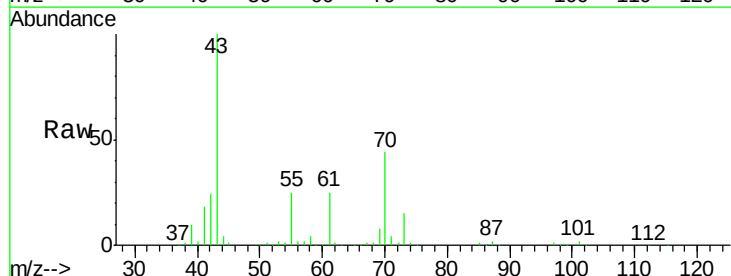
Ion Ratio Lower Upper

43 100

70 45.2 37.6 56.4

55 25.4 21.7 32.5

61 25.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

80000

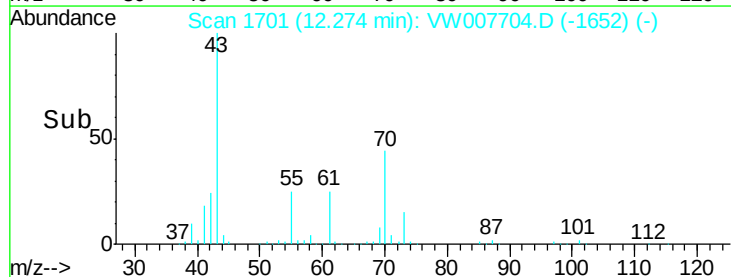
60000

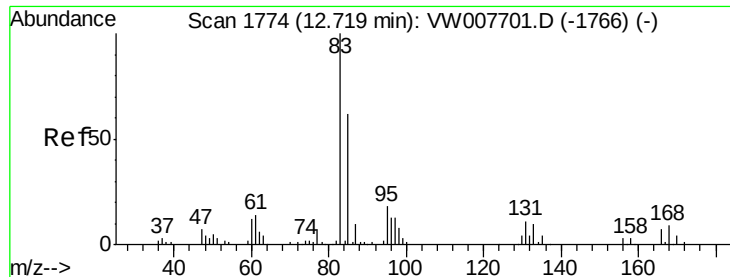
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 140.144 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

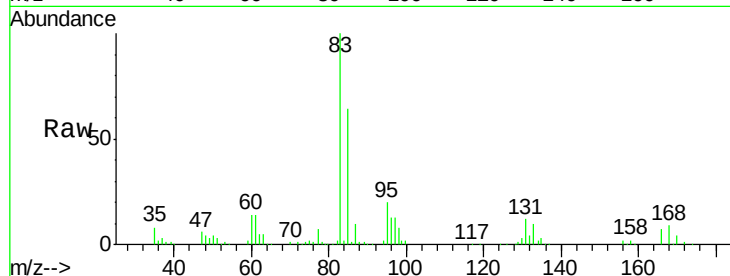
Tgt Ion: 83 Resp: 84575

Ion Ratio Lower Upper

83 100

131 12.6 6.3 18.8

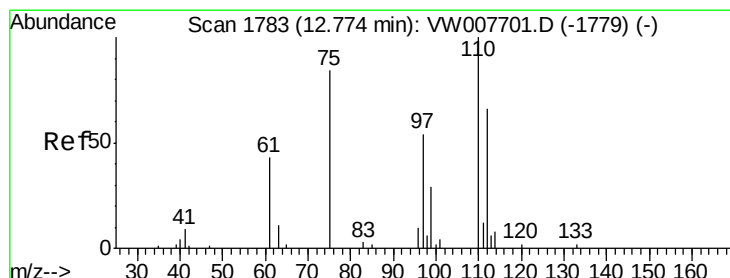
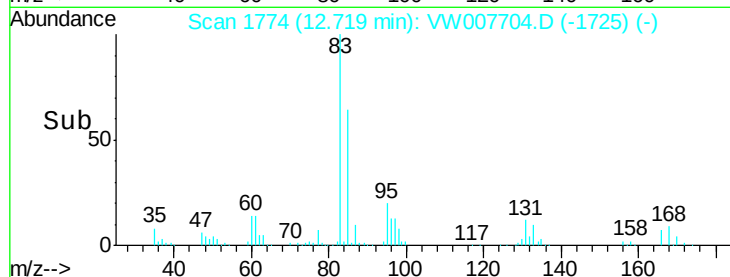
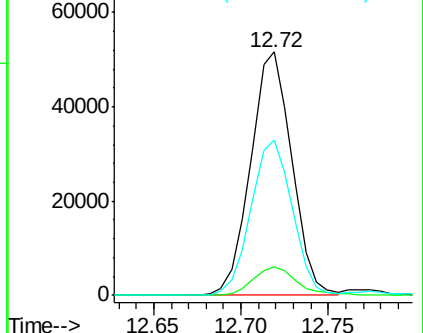
85 64.0 32.3 96.8



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: 151.102 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007704.D

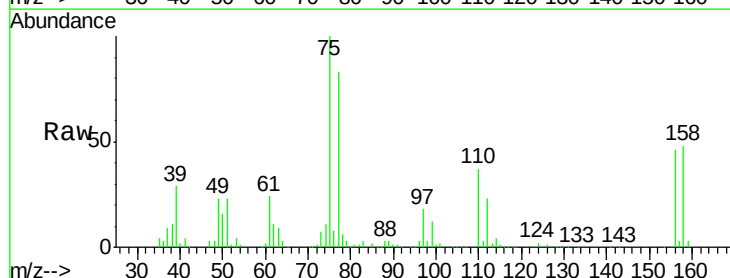
Acq: 19 Dec 2018 16:11

Tgt Ion: 75 Resp: 121804

Ion Ratio Lower Upper

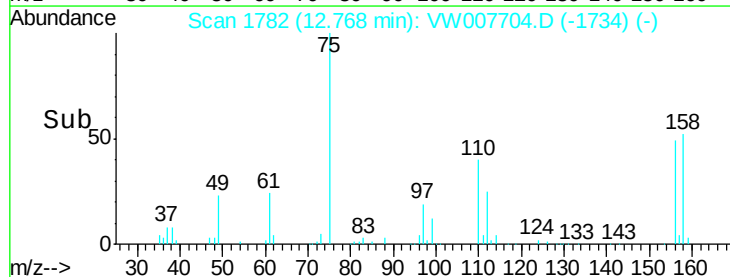
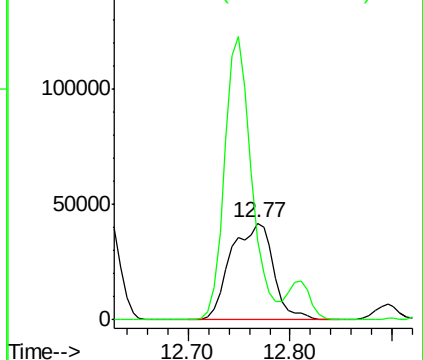
75 100

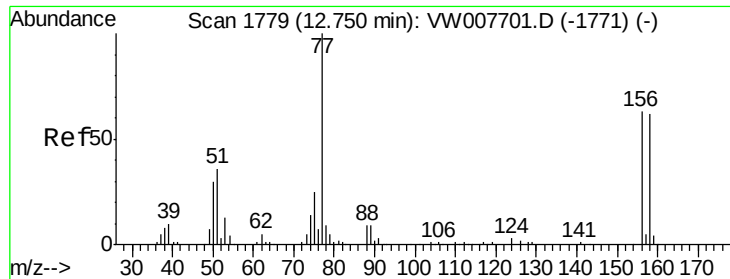
77 183.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 137.027 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

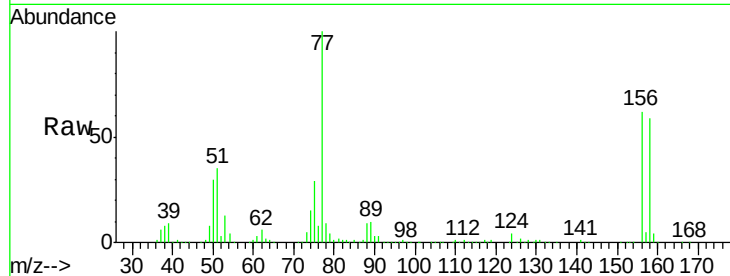
Tgt Ion:156 Resp: 126399

Ion Ratio Lower Upper

156 100

77 176.5 87.4 262.1

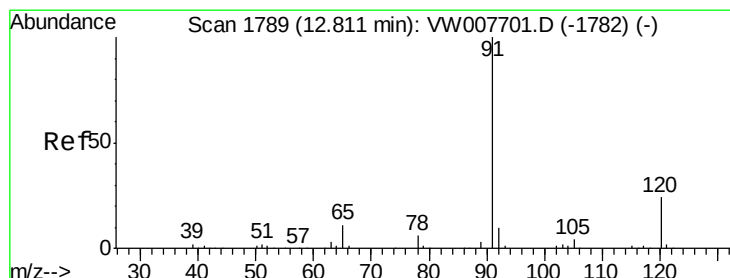
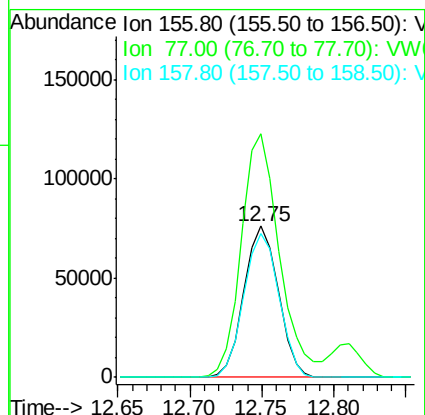
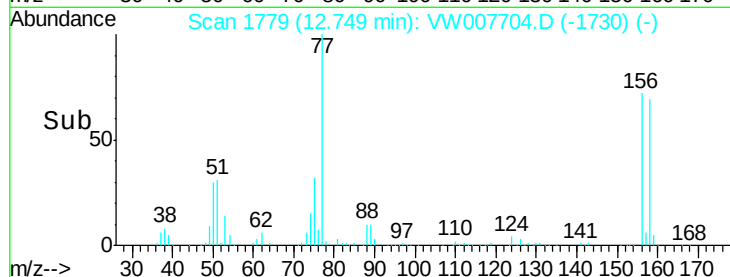
158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 139.613 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007704.D

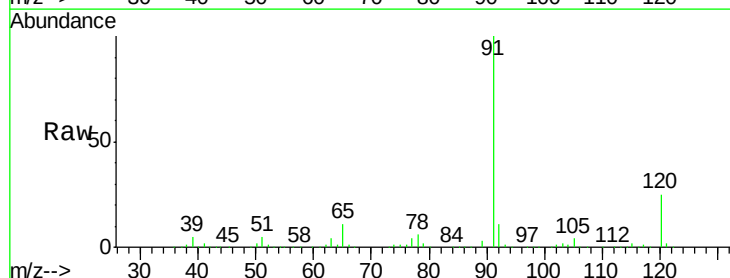
Acq: 19 Dec 2018 16:11

Tgt Ion: 91 Resp: 654140

Ion Ratio Lower Upper

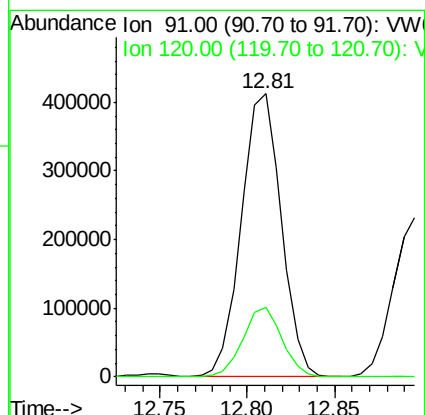
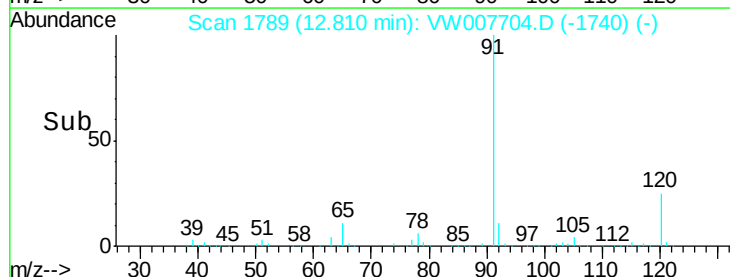
91 100

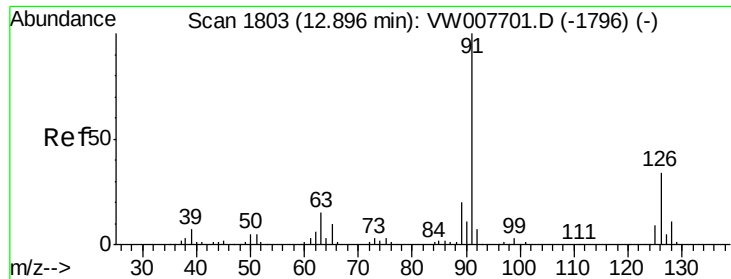
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 139.230 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

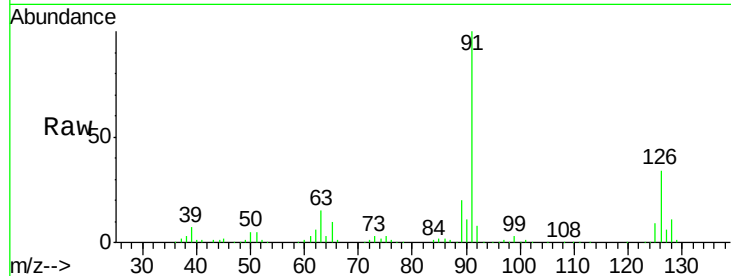
VSTDIC150

Tgt Ion: 91 Resp: 380023

Ion Ratio Lower Upper

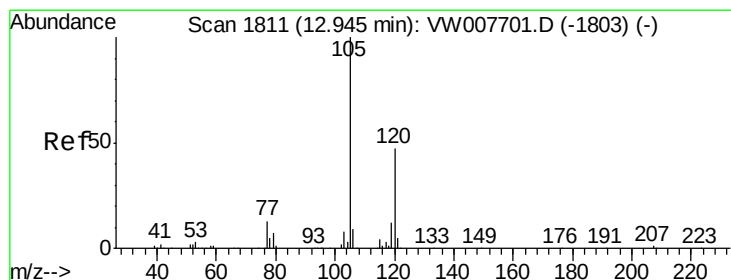
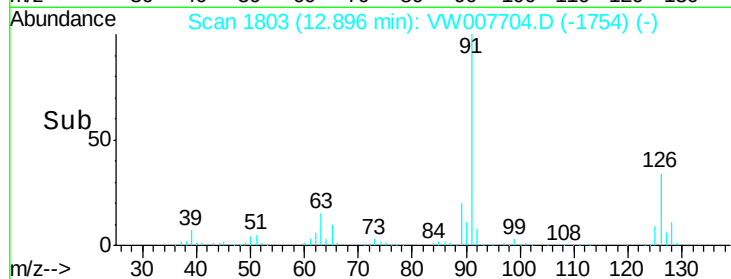
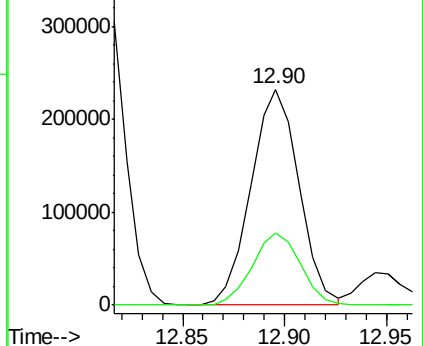
91 100

126 33.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 139.408 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007704.D

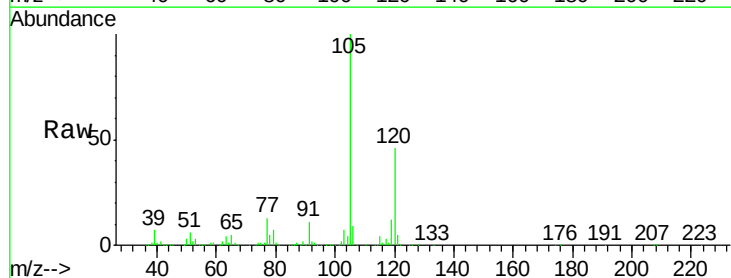
Acq: 19 Dec 2018 16:11

Tgt Ion:105 Resp: 484006

Ion Ratio Lower Upper

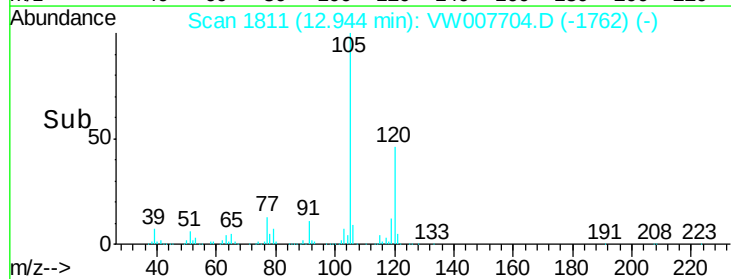
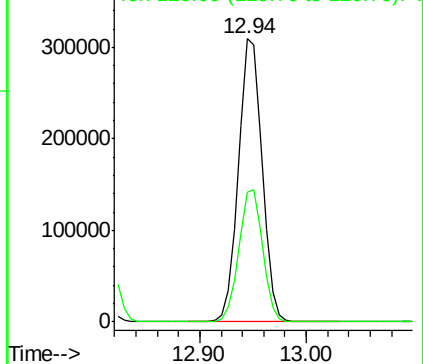
105 100

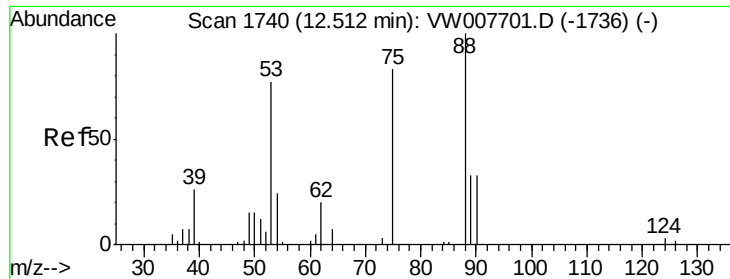
120 47.1 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

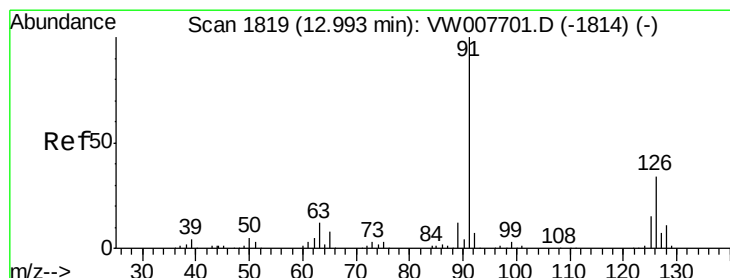
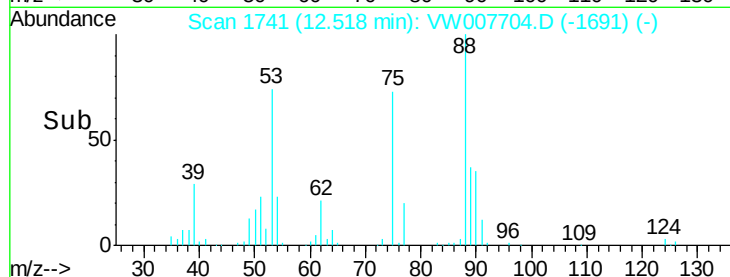
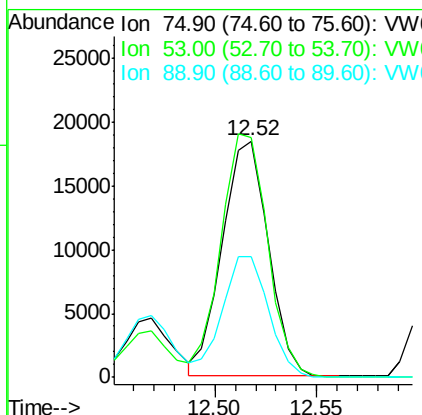
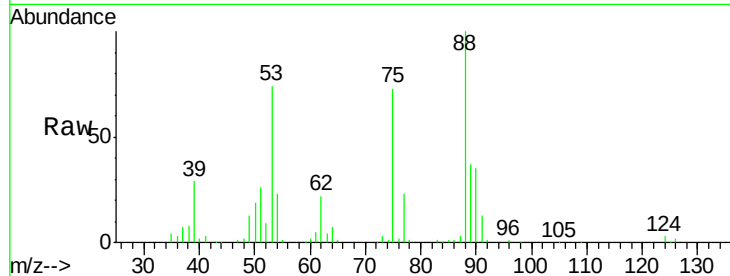




#81
trans-1,4-Dichloro-2-butene
Concen: 147.845 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

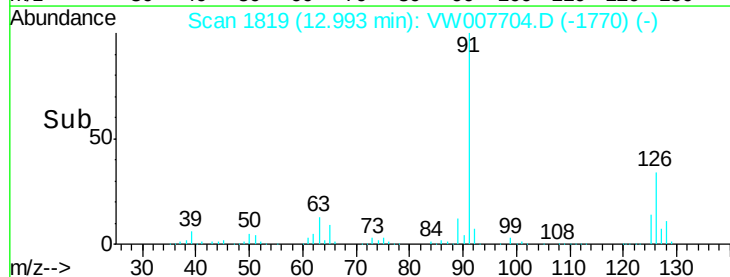
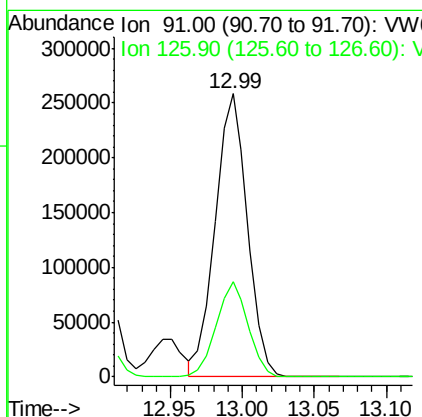
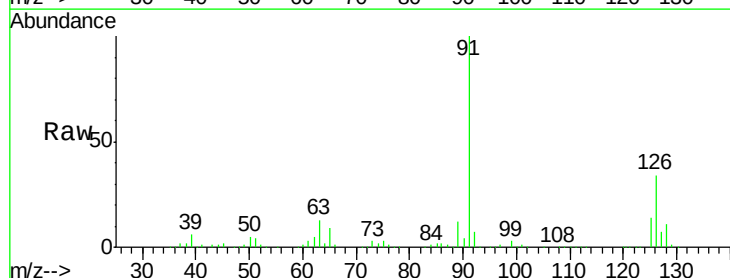
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

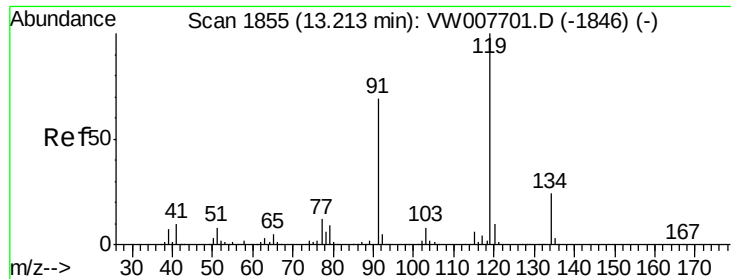
Tgt Ion: 75 Resp: 28988
Ion Ratio Lower Upper
75 100
53 104.7 80.2 120.2
89 51.9 39.2 58.8



#82
4-Chlorotoluene
Concen: 138.821 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion: 91 Resp: 403447
Ion Ratio Lower Upper
91 100
126 33.4 16.5 49.5





#83

tert-Butylbenzene

Concen: 139.021 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

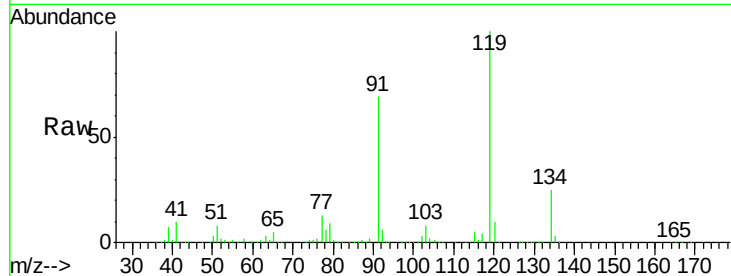
Tgt Ion:119 Resp: 423501

Ion Ratio Lower Upper

119 100

91 68.4 34.2 102.5

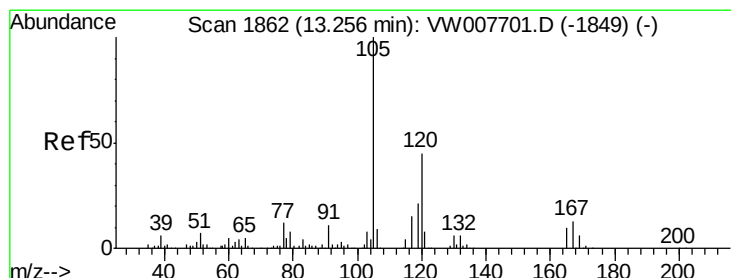
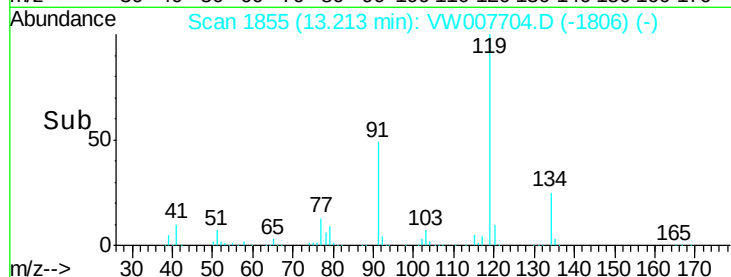
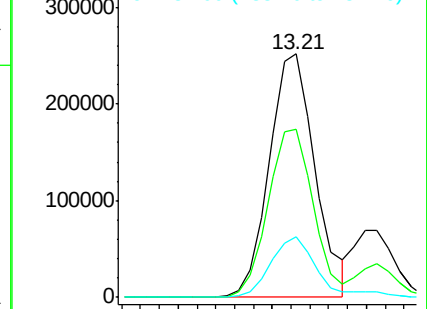
134 25.5 12.8 38.4



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: 137.356 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007704.D

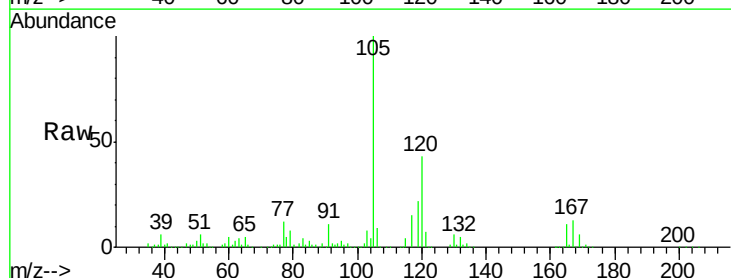
Acq: 19 Dec 2018 16:11

Tgt Ion:105 Resp: 481201

Ion Ratio Lower Upper

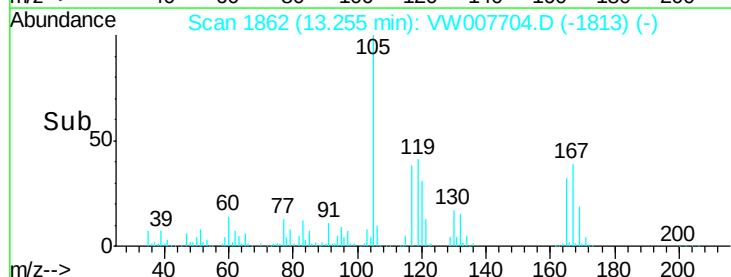
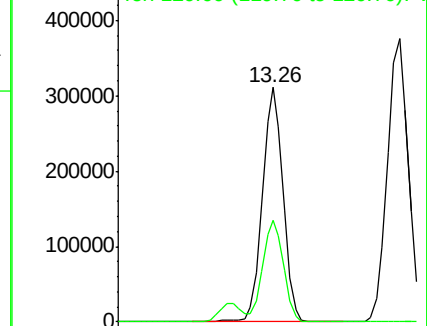
105 100

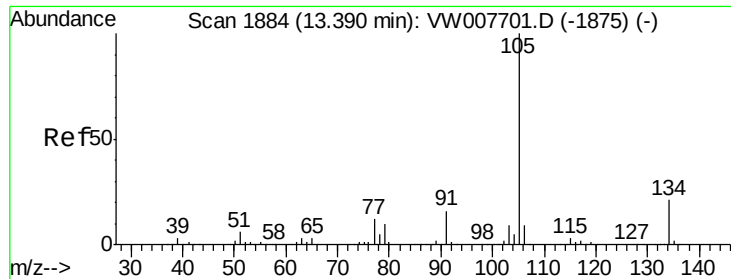
120 43.7 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

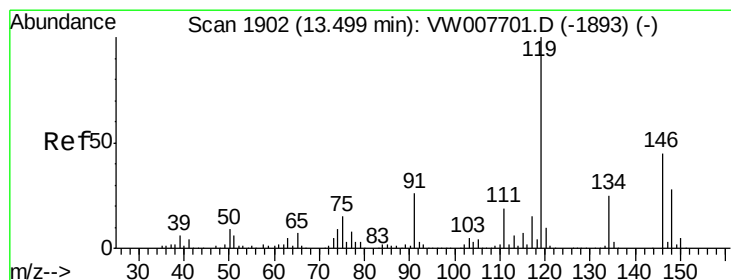
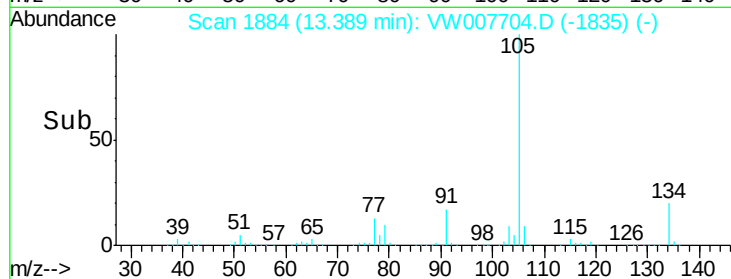
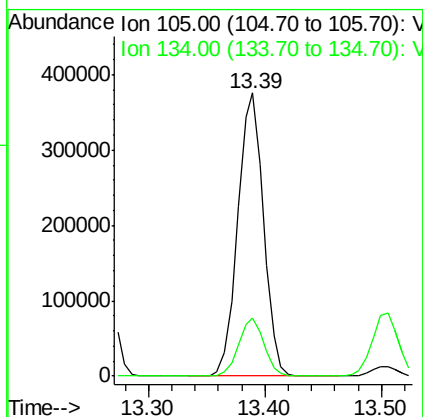
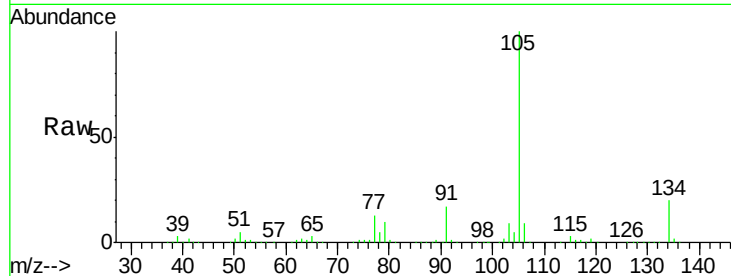




#85
 sec-Butylbenzene
 Concen: 137.648 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

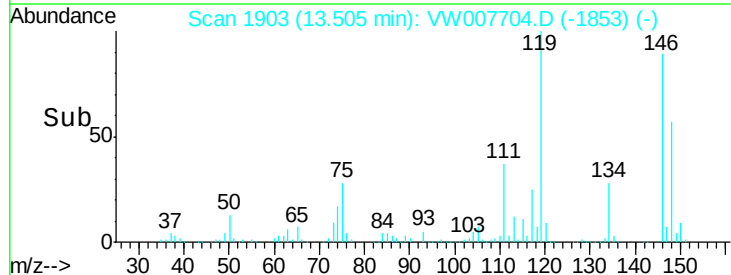
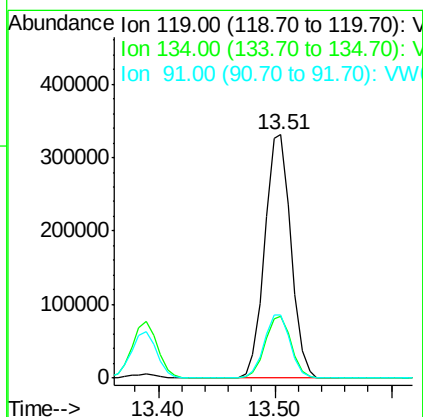
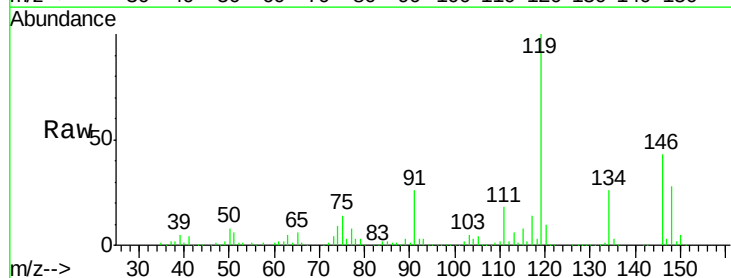
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

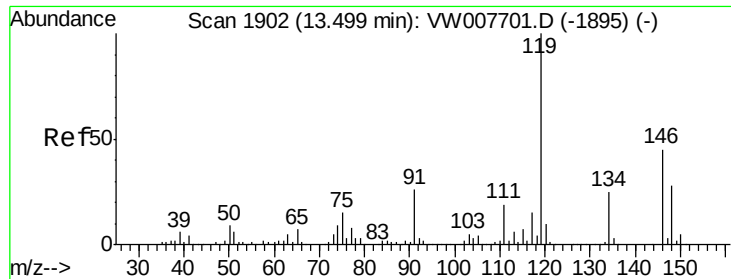
Tgt Ion:105 Resp: 577896
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 135.663 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion:119 Resp: 517911
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 39.0
 91 25.7 12.8 38.4

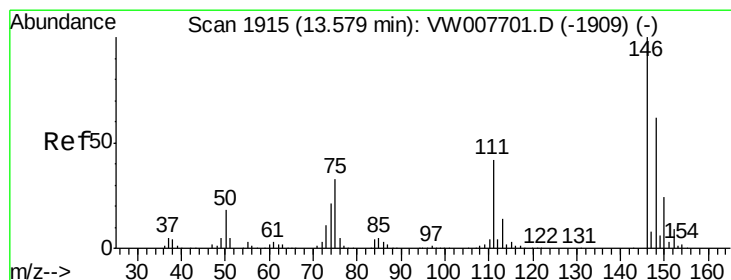
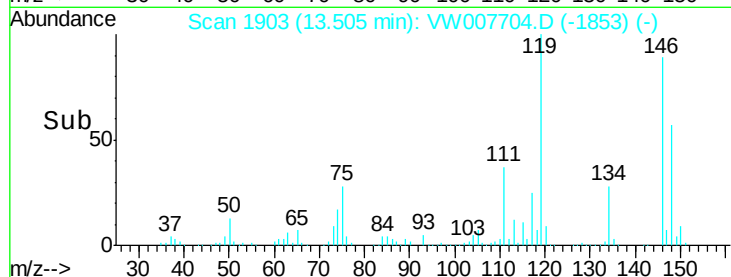
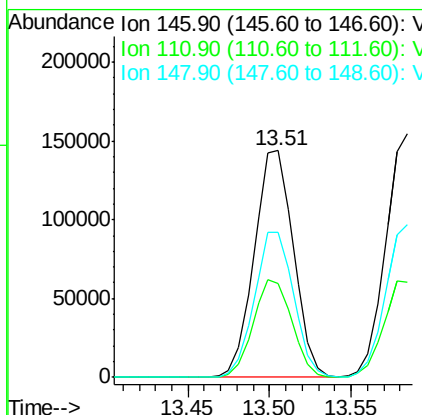
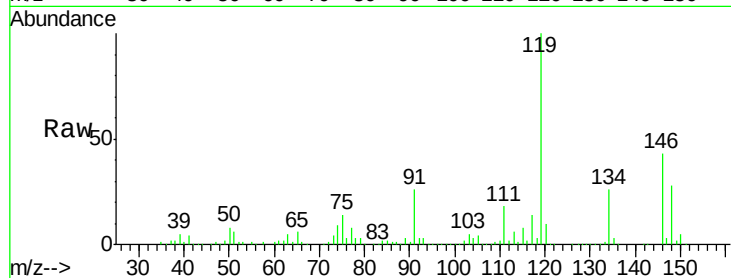




#87
 1,3-Dichlorobenzene
 Concen: 131.652 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

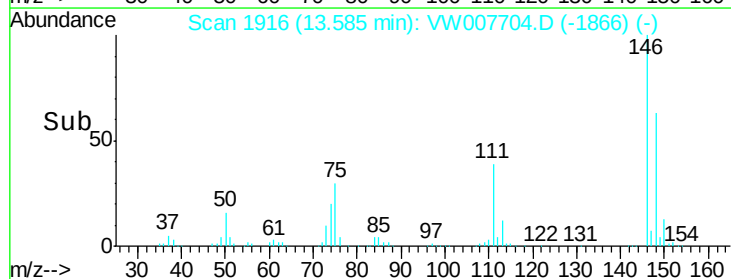
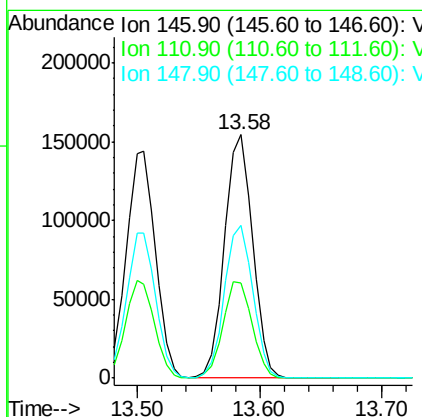
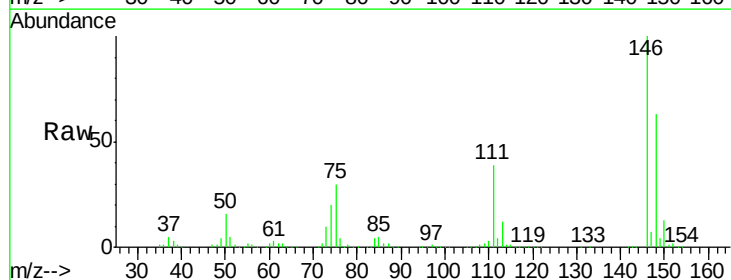
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

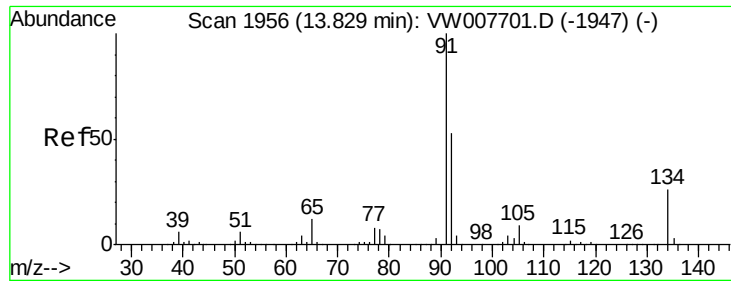
Tgt Ion:146 Resp: 241117
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.4
 148 64.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 134.128 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion:146 Resp: 245724
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.0 63.0
 148 63.5 31.8 95.4





#89

n-Butylbenzene

Concen: 137.492 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

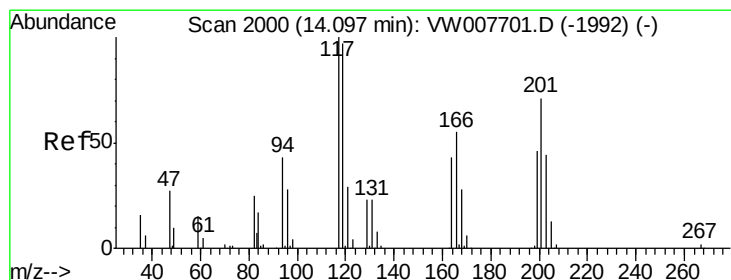
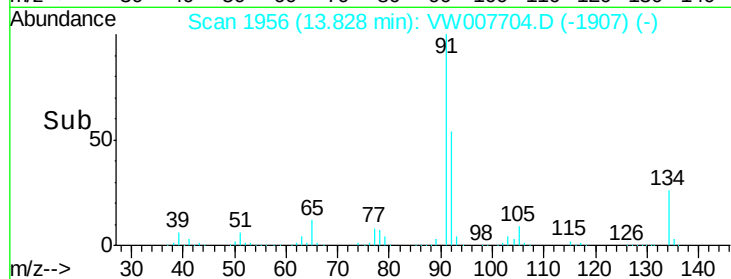
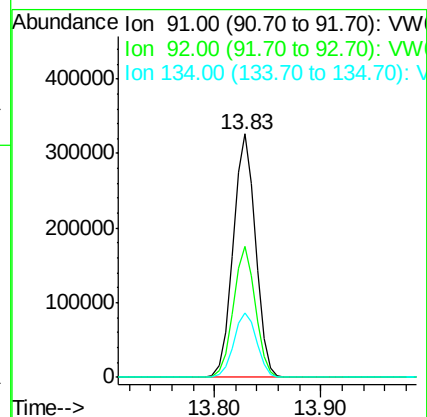
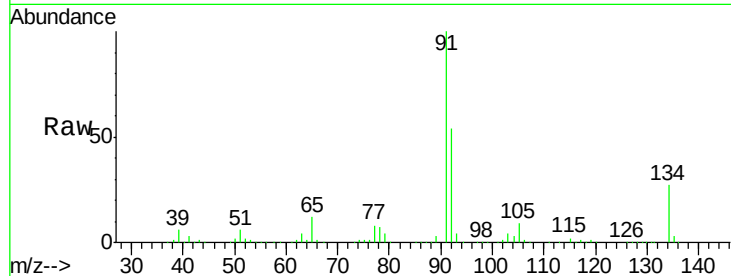
Tgt Ion: 91 Resp: 481263

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.2

134 27.1 13.7 41.0



#90

Hexachloroethane

Concen: 139.387 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007704.D

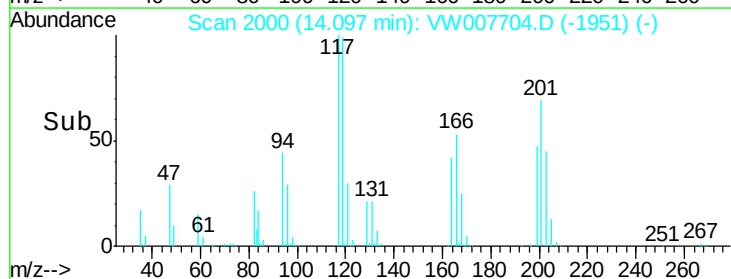
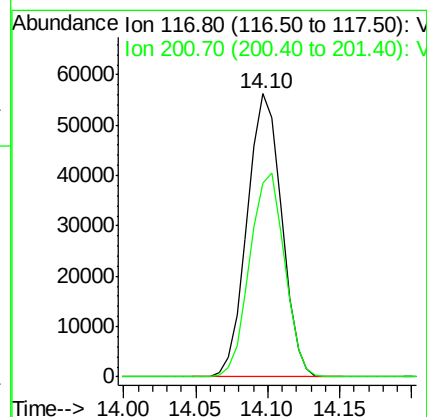
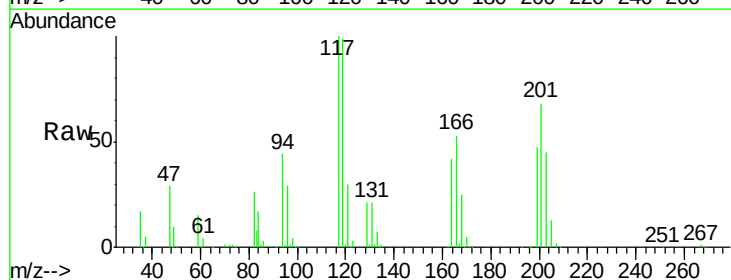
Acq: 19 Dec 2018 16:11

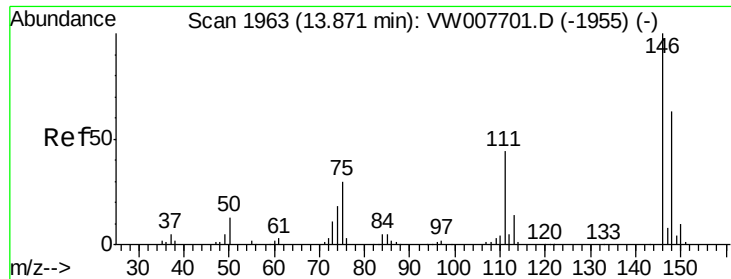
Tgt Ion: 117 Resp: 93421

Ion Ratio Lower Upper

117 100

201 72.7 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 133.459 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

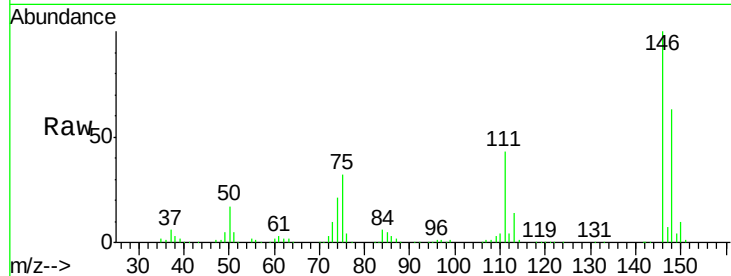
Tgt Ion:146 Resp: 218845

Ion Ratio Lower Upper

146 100

111 43.8 21.7 65.1

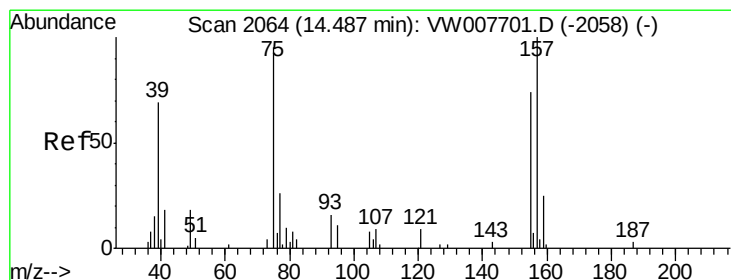
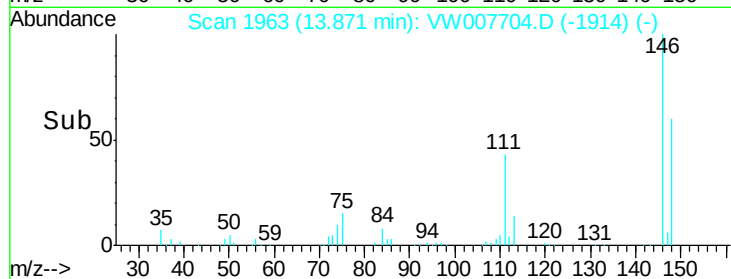
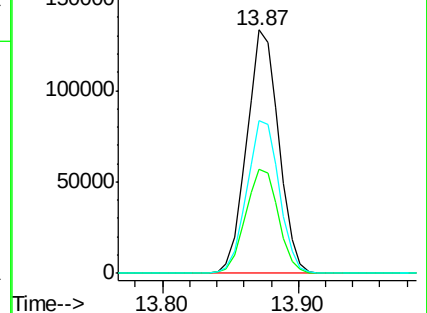
148 63.6 32.1 96.5



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: 141.300 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007704.D

Acq: 19 Dec 2018 16:11

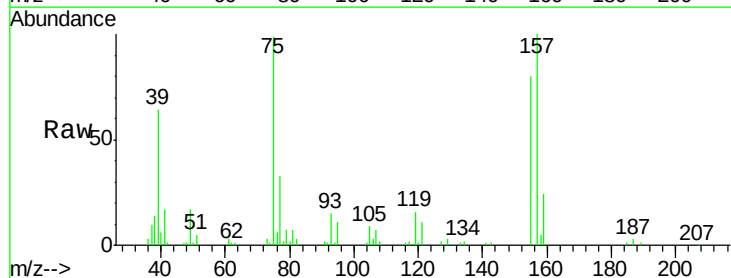
Tgt Ion: 75 Resp: 17512

Ion Ratio Lower Upper

75 100

155 81.8 39.4 118.1

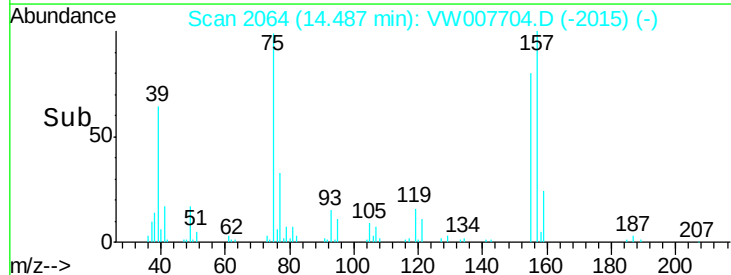
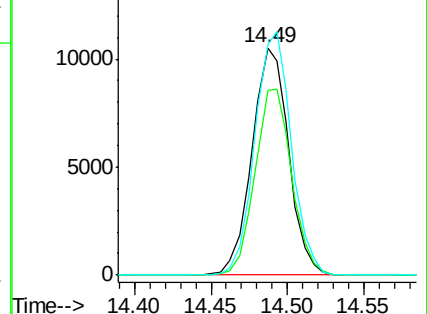
157 106.5 52.0 156.0

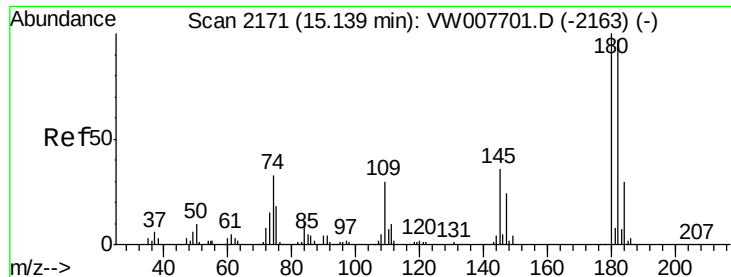


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

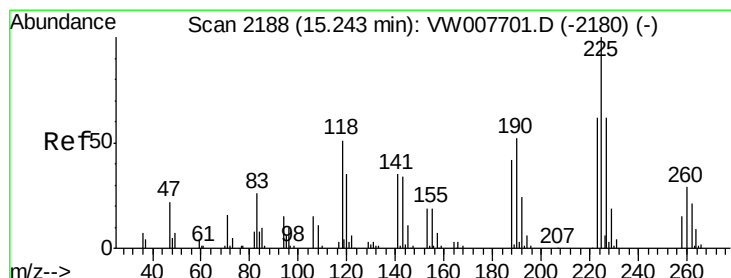
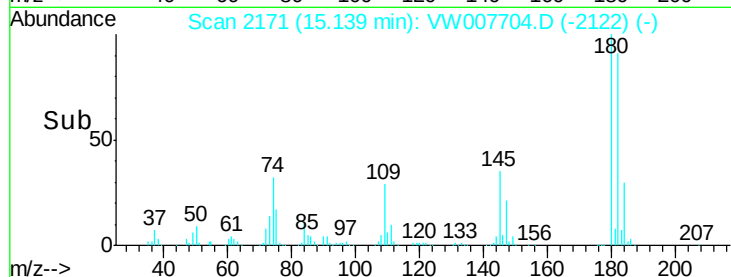
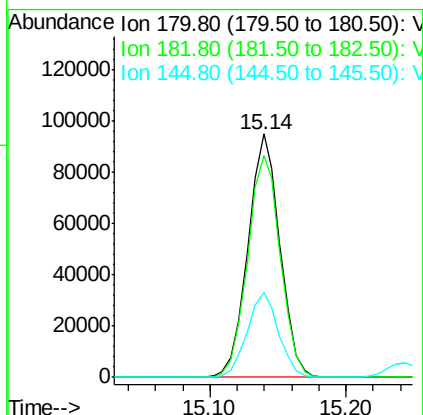
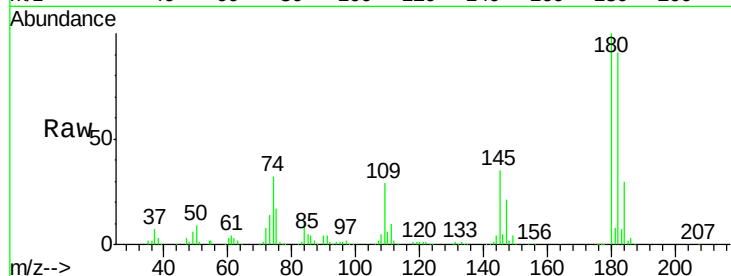




#93
 1,2,4-Trichlorobenzene
 Concen: 136.687 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

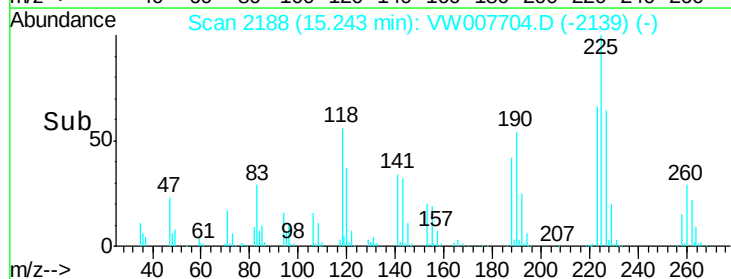
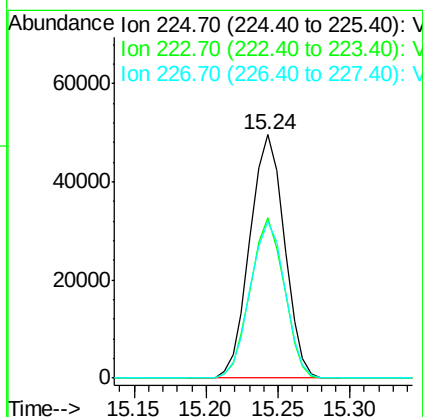
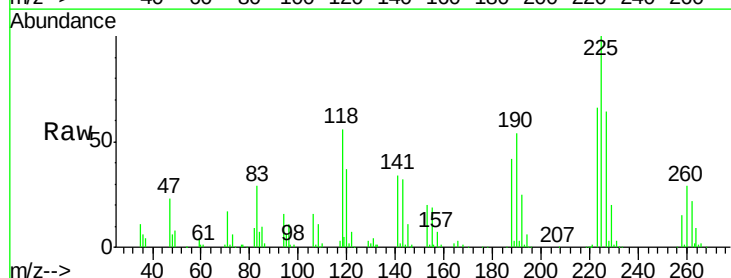
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

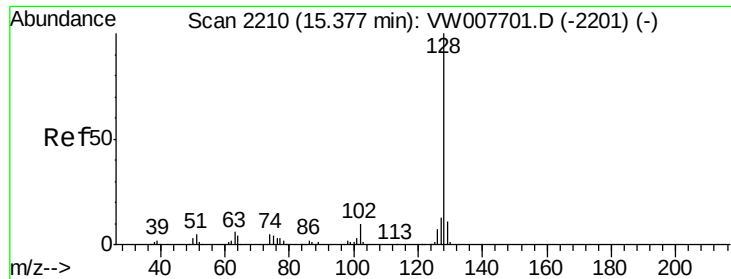
Tgt Ion:180 Resp: 155586
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.5 142.6
 145 34.2 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 135.400 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007704.D
 Acq: 19 Dec 2018 16:11

Tgt Ion:225 Resp: 82365
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.6 94.8
 227 64.6 32.1 96.3

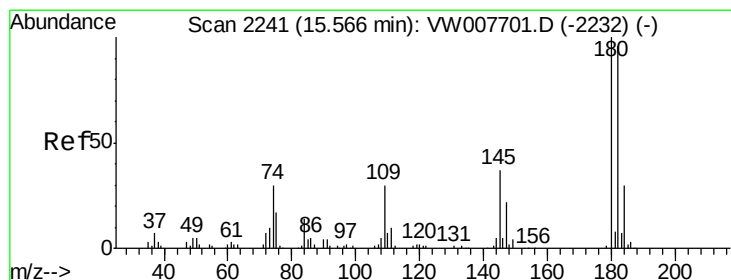
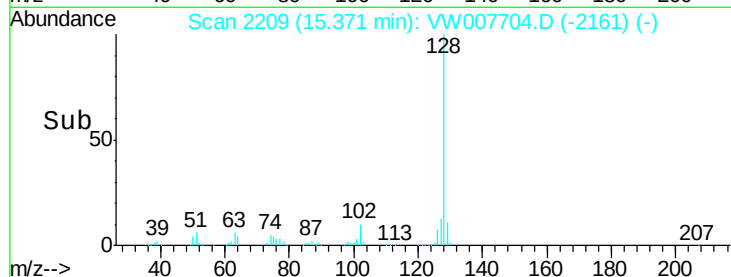
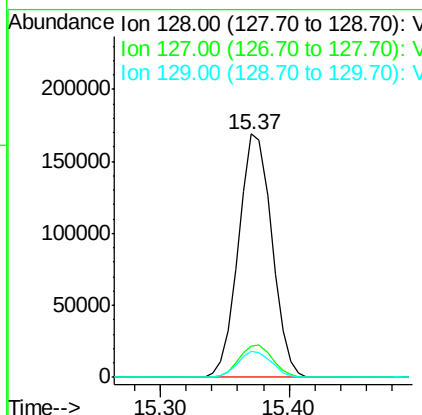
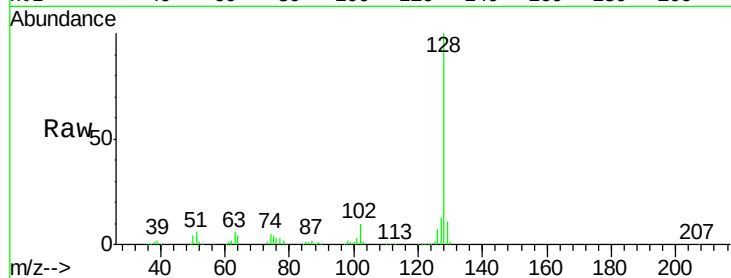




#95
Naphthalene
Concen: 144.375 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 303831
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 137.659 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007704.D
Acq: 19 Dec 2018 16:11

Tgt Ion:180 Resp: 134129
Ion Ratio Lower Upper
180 100
182 93.3 47.4 142.2
145 36.0 18.4 55.0

