

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004782.D
 Acq On : 18 Aug 2018 14:39
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 12:03:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	583409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	912842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	856695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	449251	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	293044	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	7.88	113	294368	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.33	98	1146205	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	411814	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	187814	48.60	ug/l	97
3) Chloromethane	2.21	50	262381	51.93	ug/l	100
4) Vinyl Chloride	2.37	62	396330	53.29	ug/l	100
5) Bromomethane	2.79	94	249675	54.36	ug/l	97
6) Chloroethane	2.93	64	248269	55.32	ug/l	99
7) Trichlorofluoromethane	3.26	101	181655	51.85	ug/l	100
8) Diethyl Ether	3.68	74	176673	55.77	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	313502	51.96	ug/l	99
10) Methyl Iodide	4.27	142	522885	57.07	ug/l	100
11) Tert butyl alcohol	5.21	59	84887	269.38	ug/l	99
12) 1,1-Dichloroethene	4.04	96	320265	53.27	ug/l	99
13) Acrolein	3.89	56	83551	197.58	ug/l	100
14) Allyl chloride	4.67	41	493807	54.12	ug/l	99
15) Acrylonitrile	5.38	53	374862	282.17	ug/l	100
16) Acetone	4.14	43	320082	222.30	ug/l	99
17) Carbon Disulfide	4.38	76	1074848	54.40	ug/l	99
18) Methyl Acetate	4.68	43	178378	57.81	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	454793	58.27	ug/l	98
20) Methylene Chloride	4.92	84	395579	61.13	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	357899	55.95	ug/l	99
22) Diisopropyl ether	6.32	45	1056275	60.23	ug/l	98
23) Vinyl Acetate	6.26	43	2777001	279.96	ug/l	100
24) 1,1-Dichloroethane	6.22	63	642219	56.35	ug/l	99
25) 2-Butanone	7.18	43	540985	263.70	ug/l	99
26) 2,2-Dichloropropane	7.17	77	278699	42.34	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	392433	56.99	ug/l	99
28) Bromochloromethane	7.51	49	279148	58.17	ug/l	99
29) Tetrahydrofuran	7.54	42	297131	284.03	ug/l	99
30) Chloroform	7.68	83	631628	56.36	ug/l	100
31) Cyclohexane	7.96	56	553885	50.25	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	486786	54.79	ug/l	98
36) 1,1-Dichloropropene	8.09	75	492314	52.35	ug/l	100
37) Ethyl Acetate	7.26	43	204654	54.59	ug/l	99
38) Carbon Tetrachloride	8.07	117	447731	51.72	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	603820	51.34	ug/l	99
40) Benzene	8.33	78	1488739	54.47	ug/l	99
41) Methacrylonitrile	7.49	41	114922	54.02	ug/l	94
42) 1,2-Dichloroethane	8.40	62	384985	54.93	ug/l	100
43) Isopropyl Acetate	8.43	43	366368	54.41	ug/l	100
44) Trichloroethene	9.10	130	368891	53.17	ug/l	99
45) 1,2-Dichloropropane	9.37	63	366299	54.79	ug/l	100
46) Dibromomethane	9.46	93	178805	53.99	ug/l	100
47) Bromodichloromethane	9.65	83	435723	55.09	ug/l	100
48) Methyl methacrylate	9.44	41	178434	56.47	ug/l	97
49) 1,4-Dioxane	9.48	88	55625	1149.61	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	1267503	278.52	ug/l	99
52) Toluene	10.39	92	891148	54.37	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	406602	51.02	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	492911	51.88	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	258802	54.97	ug/l	99
56) Ethyl methacrylate	10.65	69	319848	51.89	ug/l	99
57) 1,3-Dichloropropane	10.94	76	445226	54.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	692737	266.45	ug/l	99
59) 2-Hexanone	10.98	43	843740	273.64	ug/l	100
60) Dibromochloromethane	11.13	129	292377	55.36	ug/l	100
61) 1,2-Dibromoethane	11.24	107	241210	53.60	ug/l	99
64) Tetrachloroethene	10.87	164	359684	61.43	ug/l	98
65) Chlorobenzene	11.66	112	974955	52.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	338501	54.37	ug/l	98
67) Ethyl Benzene	11.74	91	1713678	54.82	ug/l	99
68) m/p-Xylenes	11.85	106	1339238	110.12	ug/l	100
69) o-Xylene	12.17	106	636057	56.50	ug/l	99
70) Styrene	12.19	104	1078184	57.01	ug/l	100
71) Bromoform	12.35	173	176585	53.74	ug/l #	97
73) Isopropylbenzene	12.47	105	1716642	56.17	ug/l	99
74) N-amyl acetate	12.28	43	357357	49.93	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	303137	53.54	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	380472	96.07	ug/l #	100
77) Bromobenzene	12.75	156	409557	55.36	ug/l	98
78) n-propylbenzene	12.81	91	2077478	55.70	ug/l	100
79) 2-Chlorotoluene	12.90	91	1200550	55.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1473576	56.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	78502	46.07	ug/l	97
82) 4-Chlorotoluene	12.99	91	1271198	55.65	ug/l	99
83) tert-Butylbenzene	13.21	119	1244990	56.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1523378	57.03	ug/l	99
85) sec-Butylbenzene	13.39	105	1818789	54.85	ug/l	100
86) p-Isopropyltoluene	13.51	119	1579531	54.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	818653	54.40	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	805433	53.55	ug/l	99
89) n-Butylbenzene	13.83	91	1459105	52.31	ug/l	99
90) Hexachloroethane	14.10	117	285168	54.23	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	737248	54.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47562	53.75	ug/l	99

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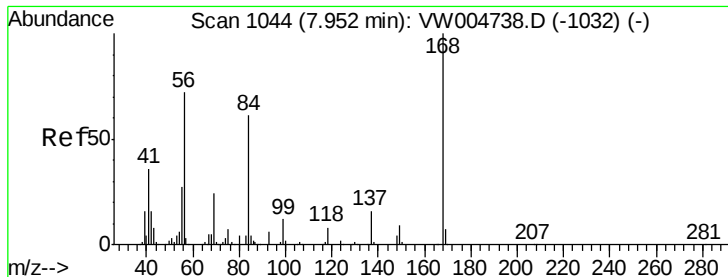
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	518525	54.24	ug/l	99
94) Hexachlorobutadiene	15.24	225	295086	50.29	ug/l	99
95) Naphthalene	15.38	128	947927	51.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	470123	55.46	ug/l	99

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

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

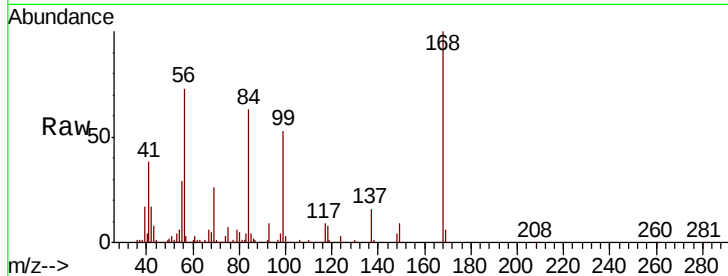
VSTDCCC050EC

Tot Ion:168 Resp: 583409

Ion Ratio Lower Upper

168 100

99 53.3 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

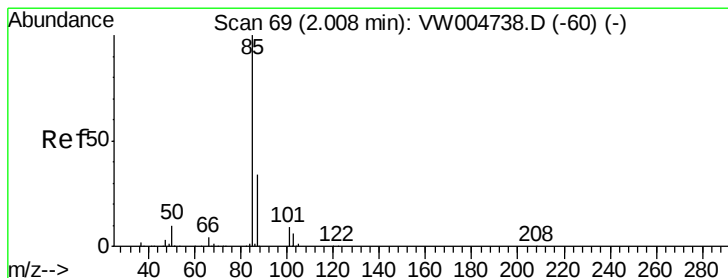
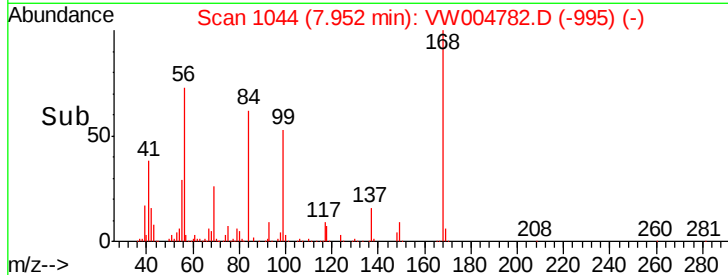
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.60 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004782.D

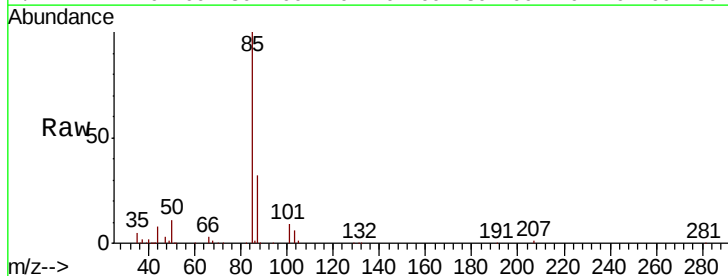
Acq: 18 Aug 2018 14:39

Tgt Ion: 85 Resp: 187814

Ion Ratio Lower Upper

85 100

87 31.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

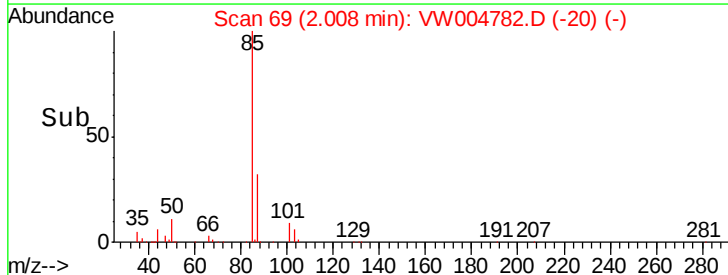
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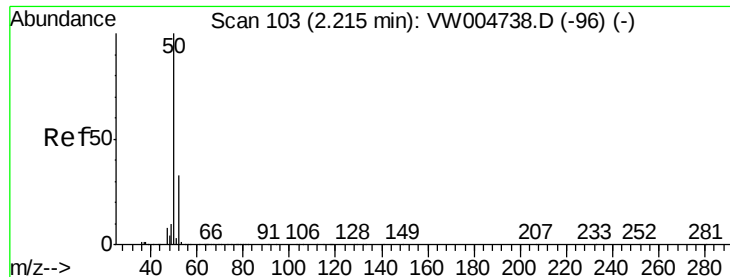
20000

10000

0

Time-->





#3

Chloromethane

Concen: 51.93 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

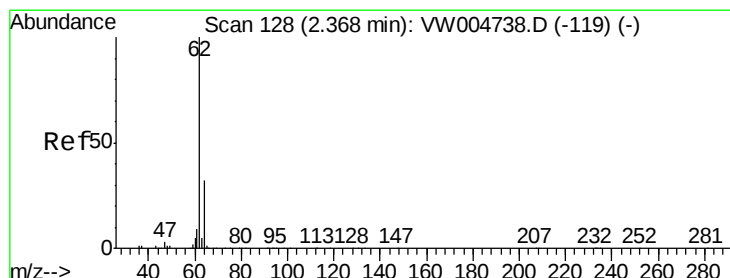
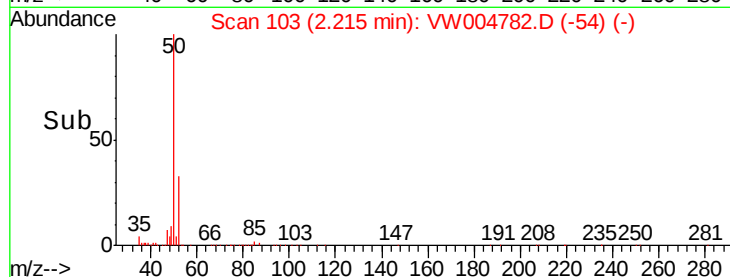
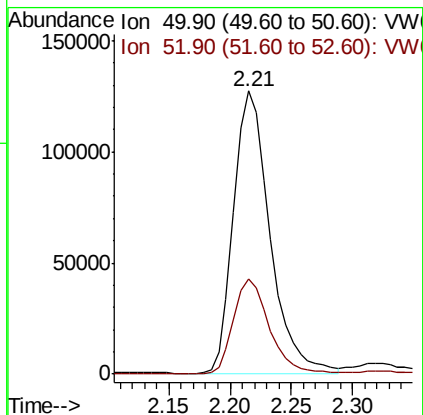
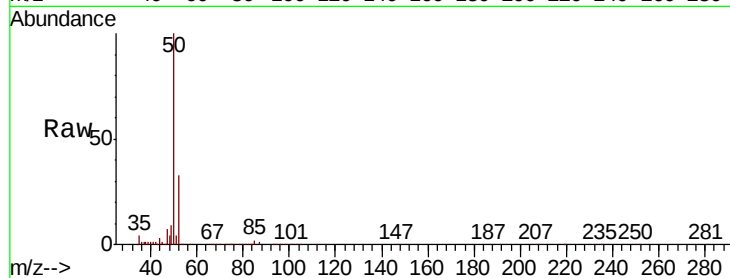
VSTDCCC050EC

Tot Ion: 50 Resp: 262381

Ion Ratio Lower Upper

50 100

52 33.5 26.7 40.1



#4

Vinyl Chloride

Concen: 53.29 ug/l

RT: 2.37 min Scan# 129

Delta R.T. 0.01 min

Lab File: VW004782.D

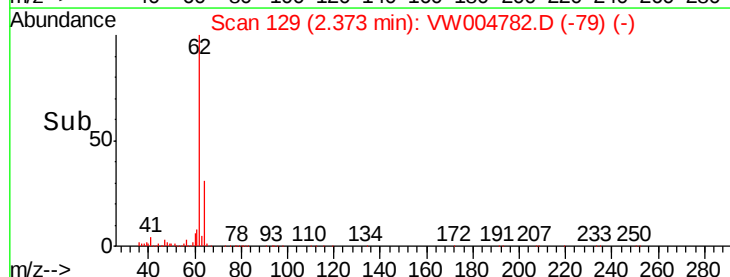
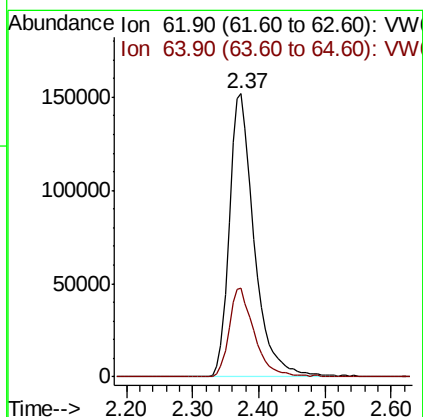
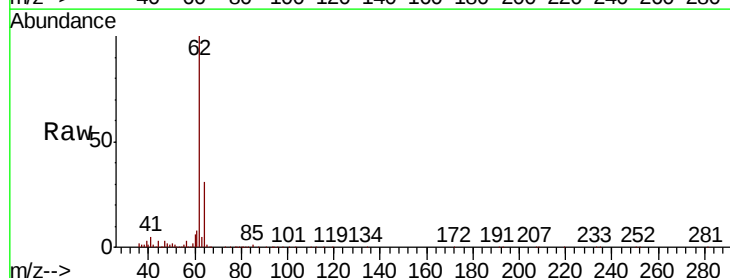
Acq: 18 Aug 2018 14:39

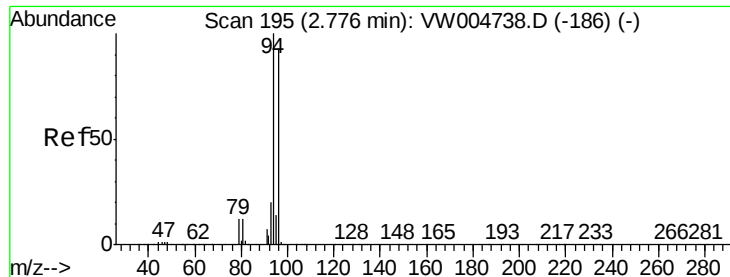
Tgt Ion: 62 Resp: 396330

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 54.36 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

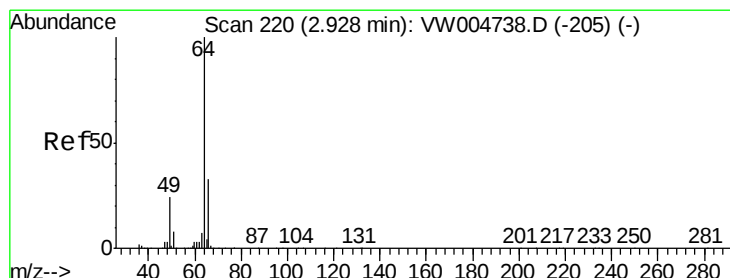
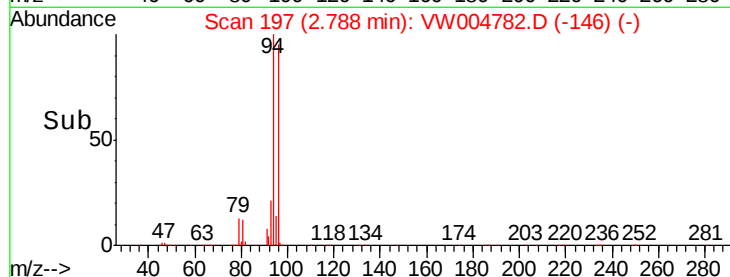
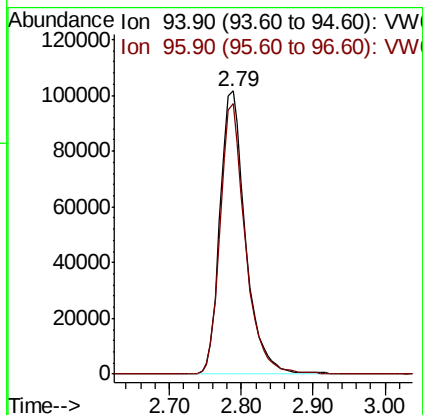
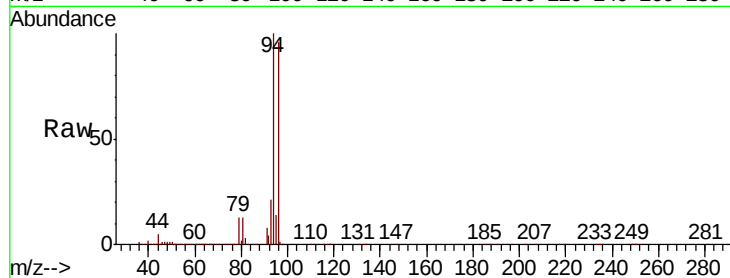
VSTDCCC050EC

Tot Ion: 94 Resp: 249675

Ion Ratio Lower Upper

94 100

96 95.5 74.3 111.5



#6

Chloroethane

Concen: 55.32 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004782.D

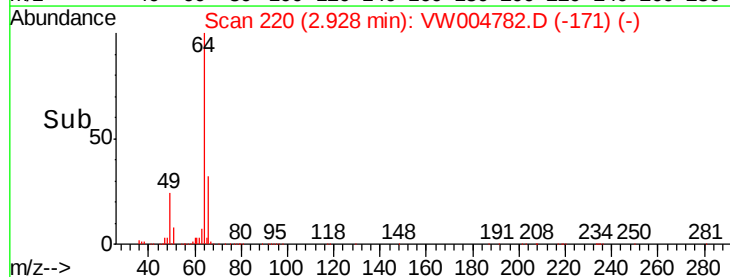
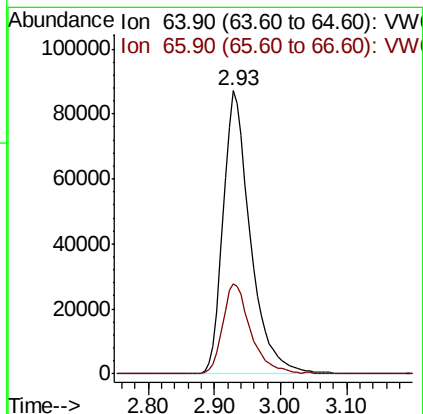
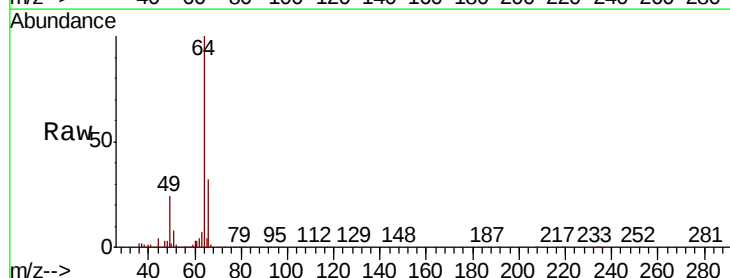
Acq: 18 Aug 2018 14:39

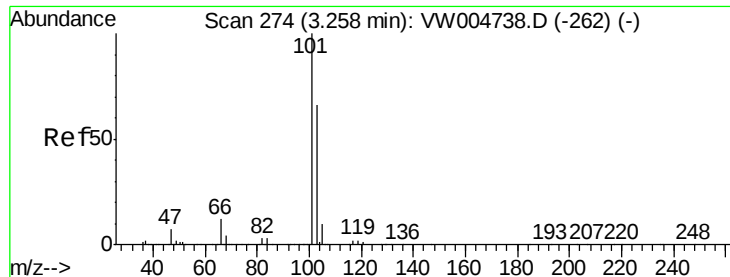
Tgt Ion: 64 Resp: 248269

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



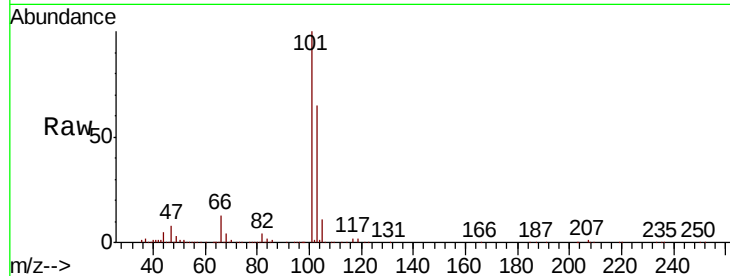


#7

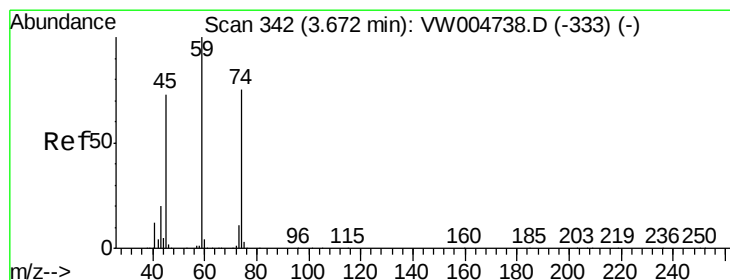
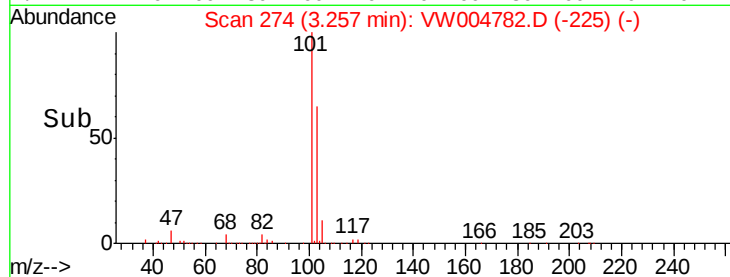
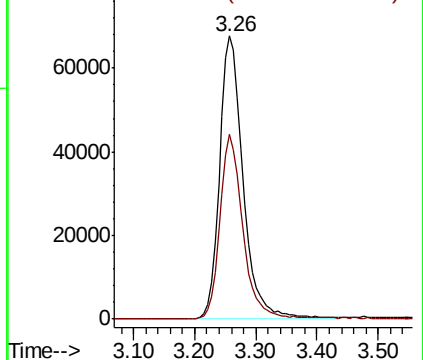
Trichlorofluoromethane
Concen: 51.85 ug/l
RT: 3.26 min Scan# 274
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

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VSTDCCC050EC

Tot Ion:101 Resp: 181655
Ion Ratio Lower Upper
101 100
103 65.5 52.5 78.7



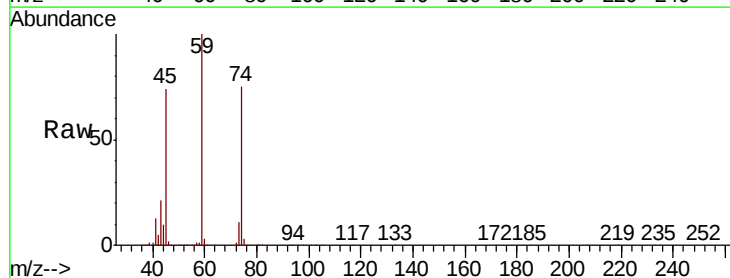
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



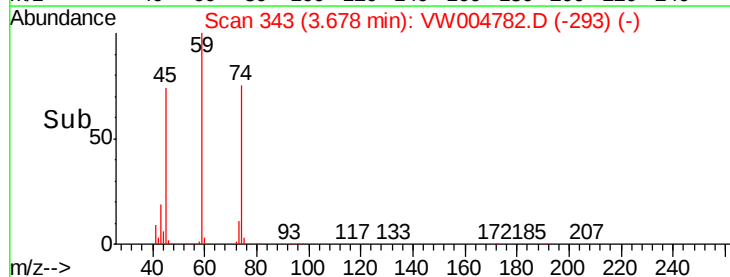
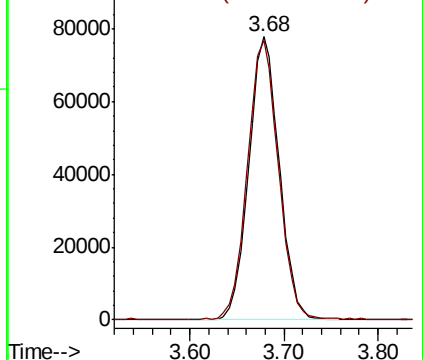
#8

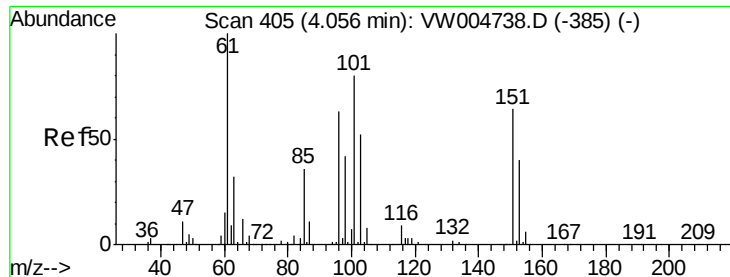
Diethyl Ether
Concen: 55.77 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 74 Resp: 176673
Ion Ratio Lower Upper
74 100
45 99.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.96 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

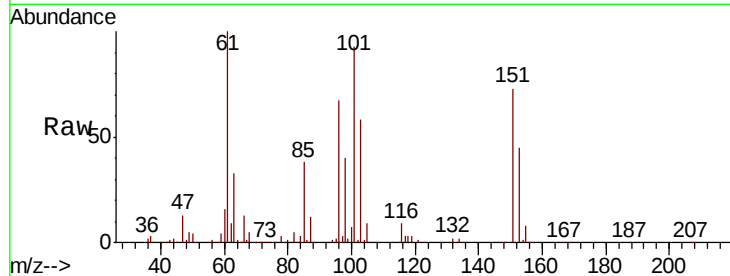
Tot Ion:101 Resp: 313502

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

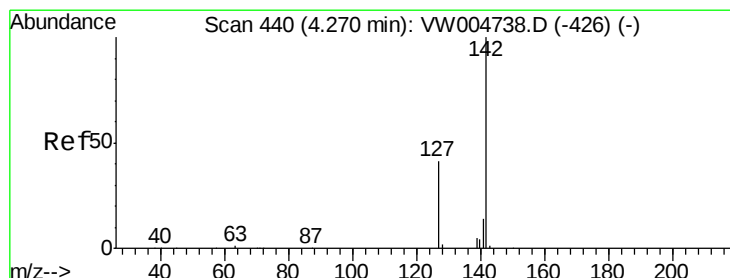
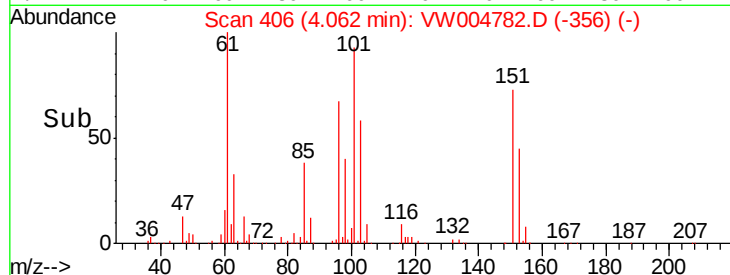
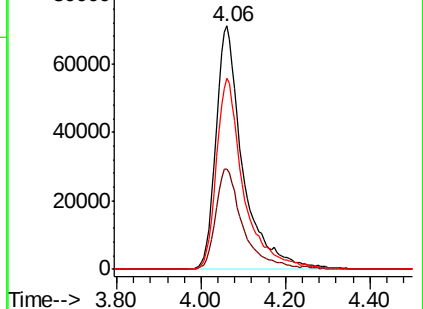
151 78.1 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.07 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

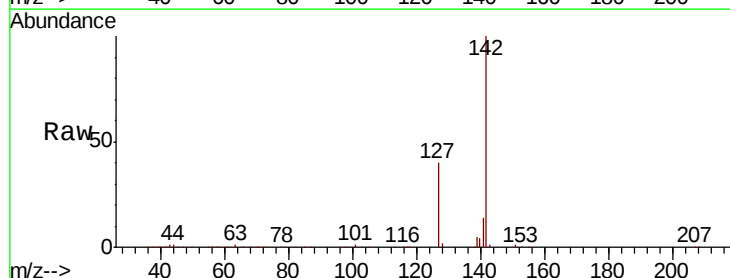
Tgt Ion:142 Resp: 522885

Ion Ratio Lower Upper

142 100

127 39.9 32.1 48.1

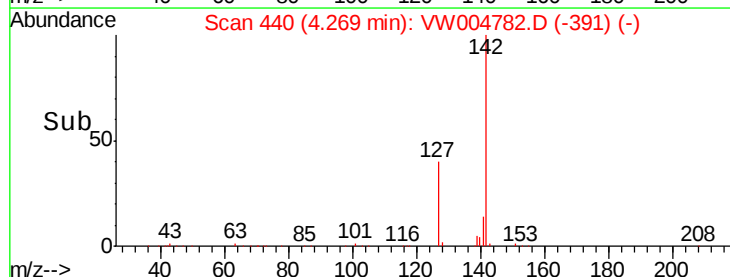
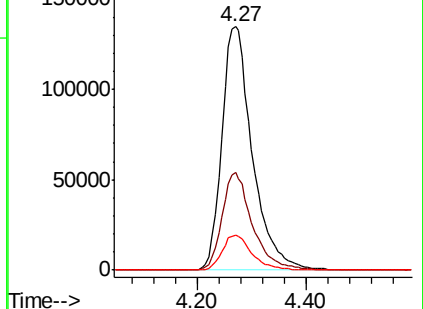
141 14.2 11.7 17.5

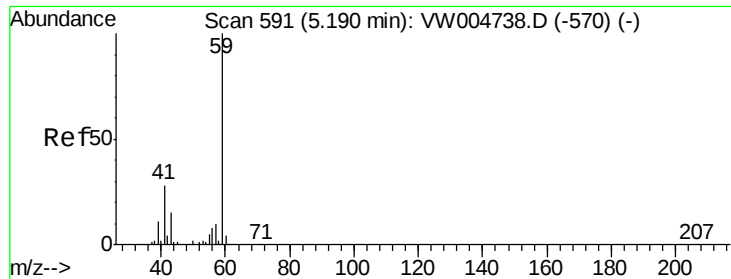


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



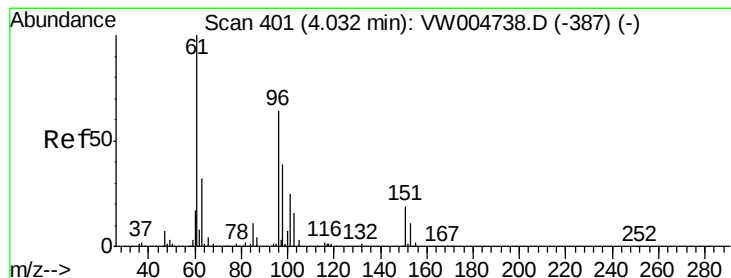
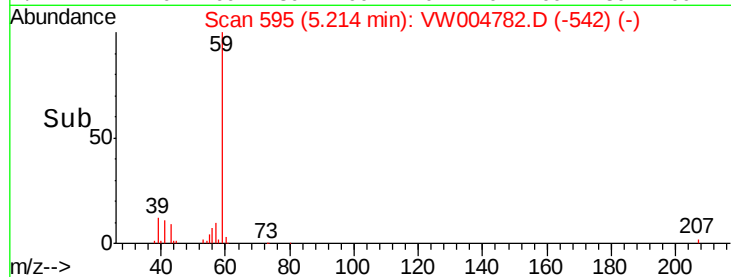
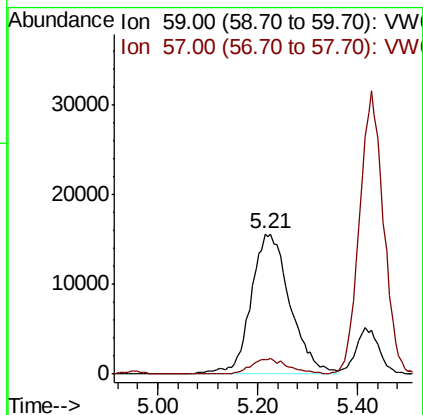
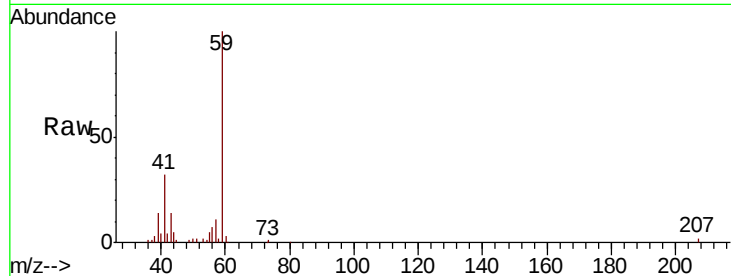


#11

Tert butyl alcohol
Concen: 269.38 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.02 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

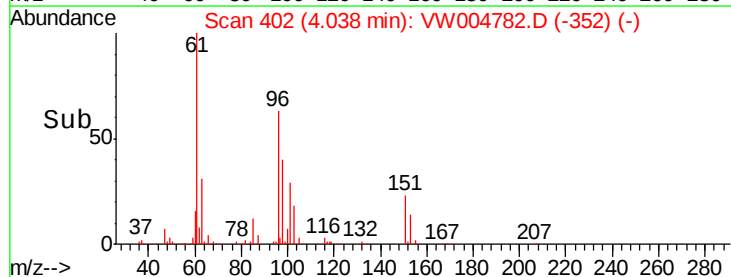
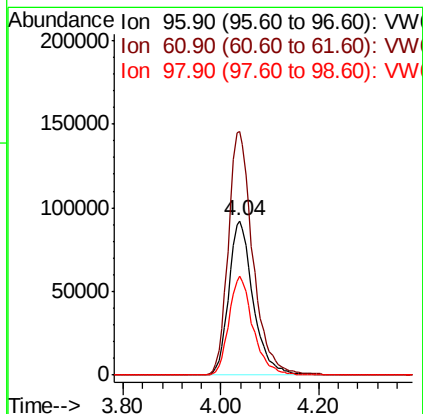
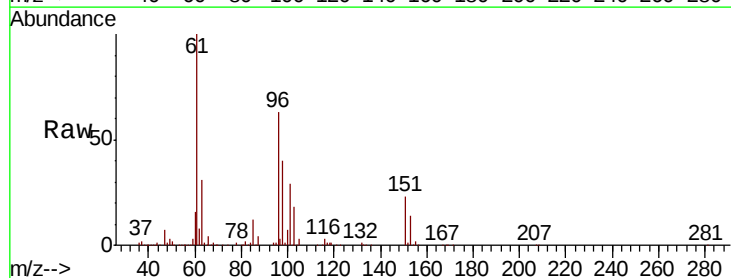
Tot Ion: 59 Resp: 84887
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

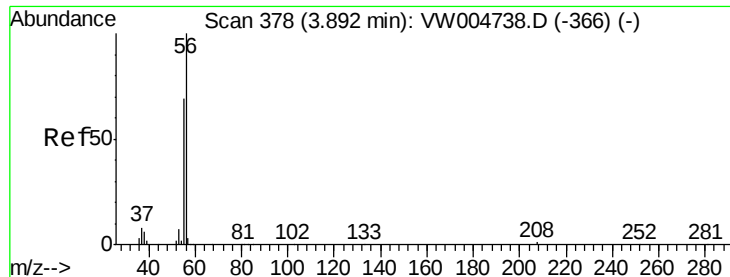


#12

1,1-Dichloroethene
Concen: 53.27 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 96 Resp: 320265
Ion Ratio Lower Upper
96 100
61 157.7 125.6 188.4
98 63.8 49.4 74.0

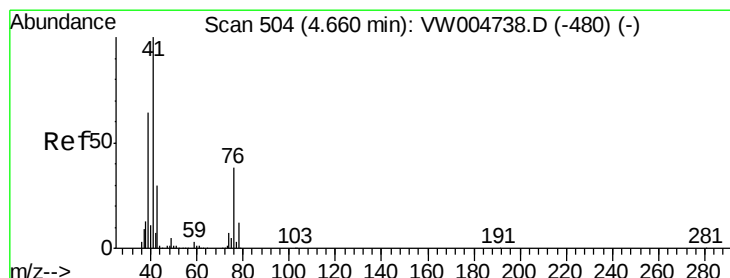
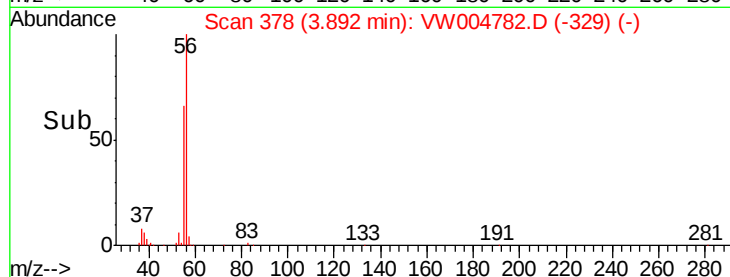
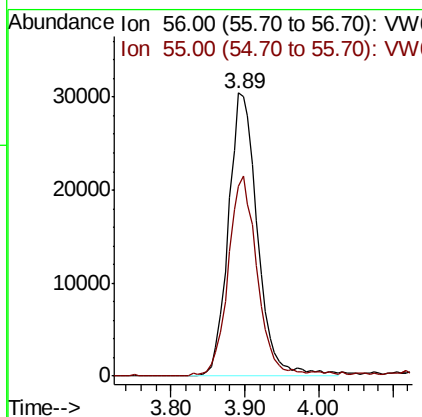
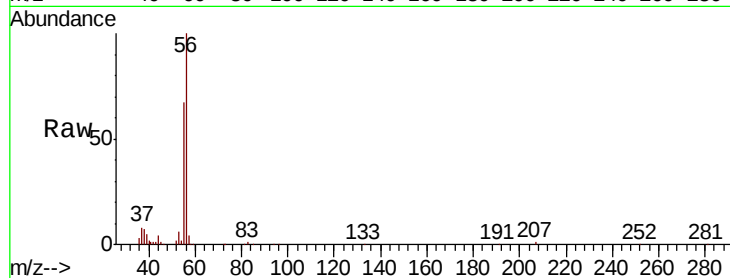




#13
Acrolein
Concen: 197.58 ug/l
RT: 3.89 min Scan# 378
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

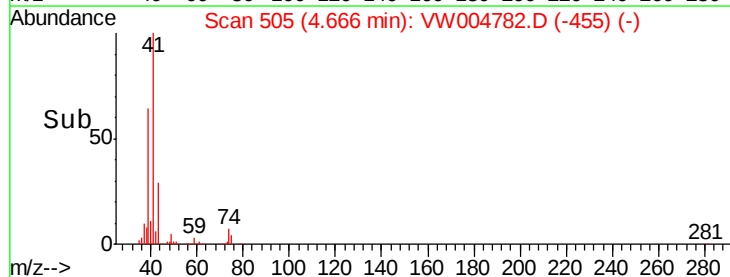
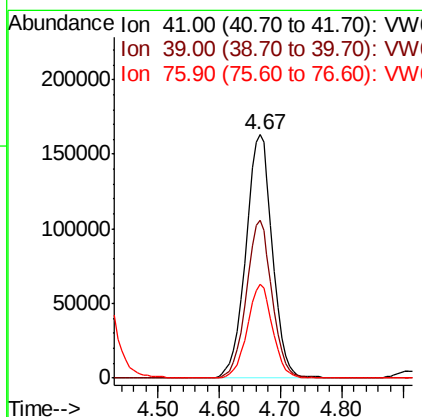
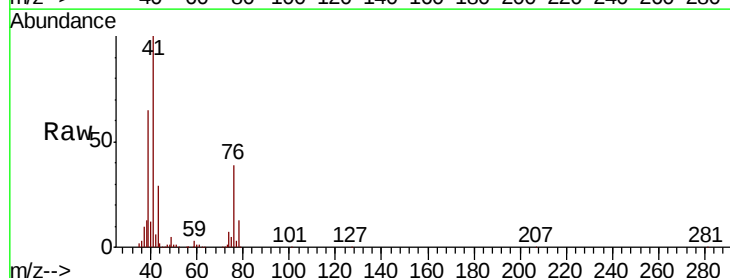
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

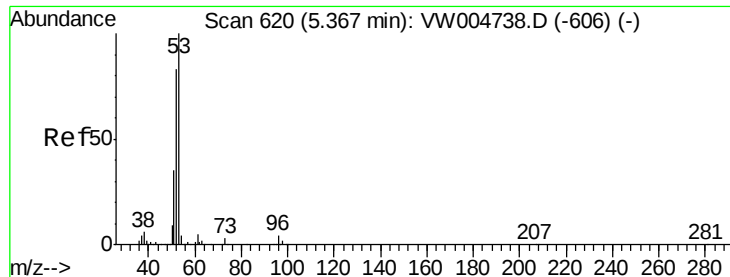
Tot Ion: 56 Resp: 83551
Ion Ratio Lower Upper
56 100
55 70.1 56.1 84.1



#14
Allyl chloride
Concen: 54.12 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 41 Resp: 493807
Ion Ratio Lower Upper
41 100
39 62.8 50.0 75.0
76 36.6 29.8 44.6





#15

Acrylonitrile

Concen: 282.17 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

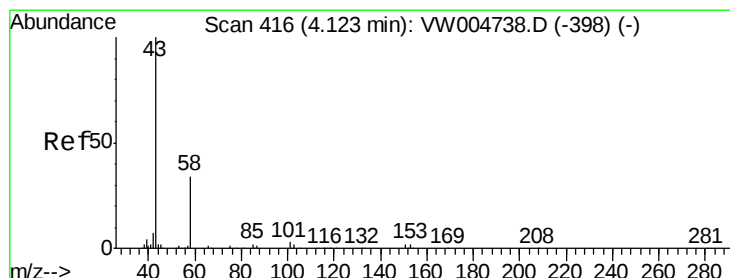
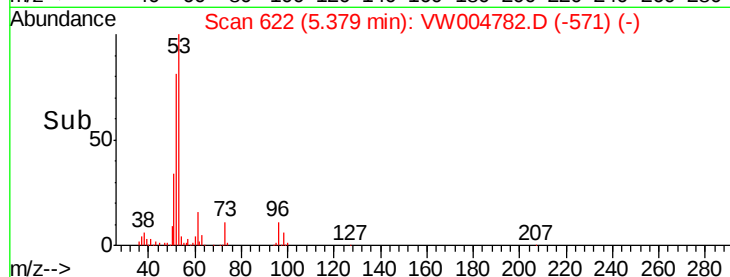
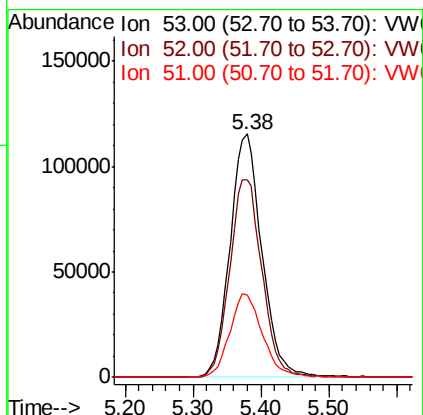
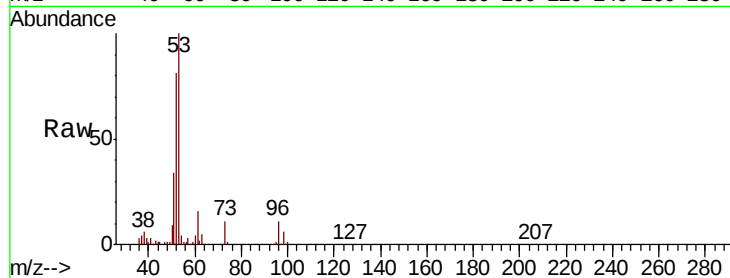
Tot Ion: 53 Resp: 374862

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.6

51 35.3 28.7 43.1



#16

Acetone

Concen: 222.30 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004782.D

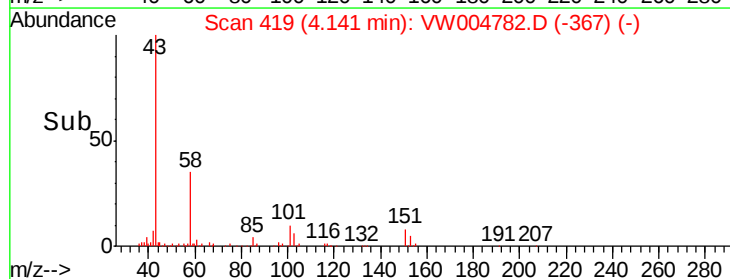
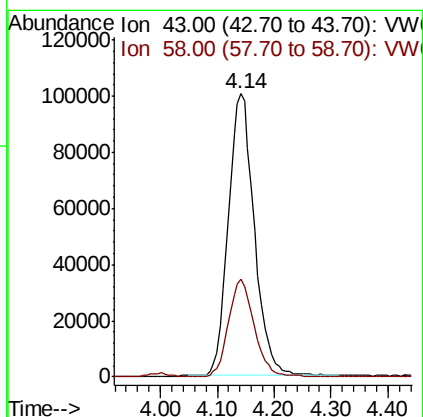
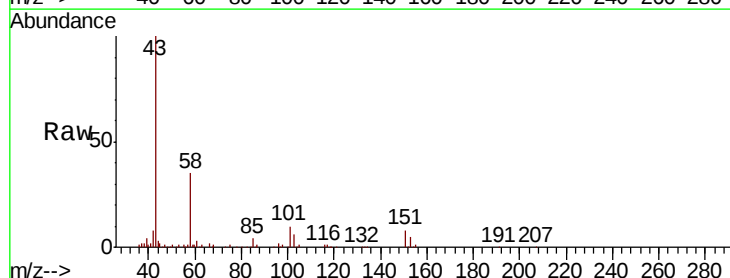
Acq: 18 Aug 2018 14:39

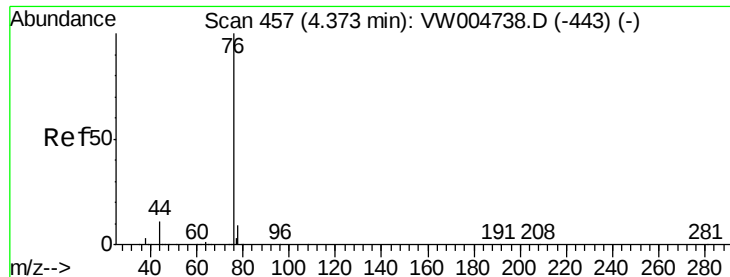
Tgt Ion: 43 Resp: 320082

Ion Ratio Lower Upper

43 100

58 34.8 27.3 40.9

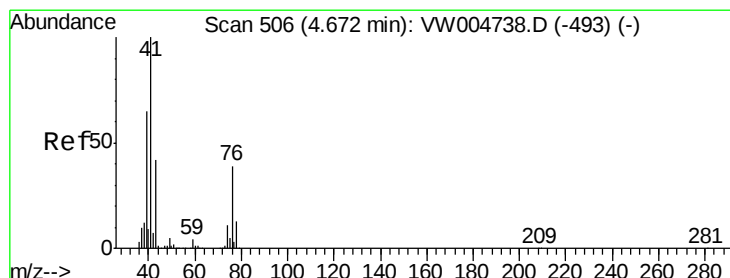
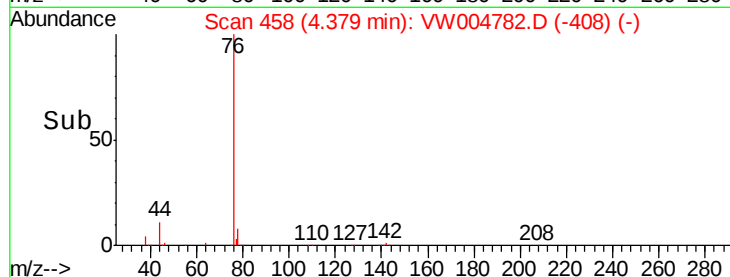
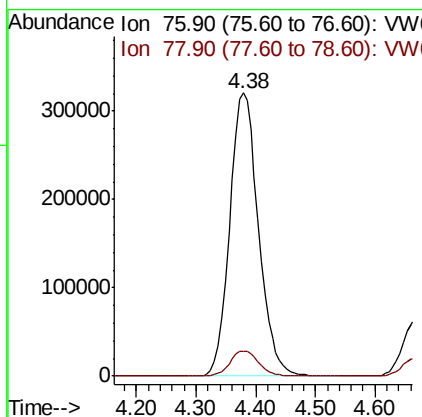
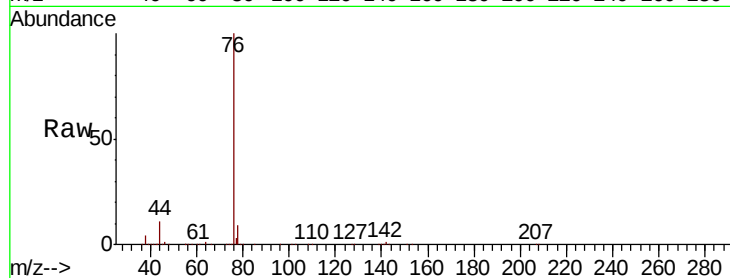




#17
Carbon Disulfide
Concen: 54.40 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

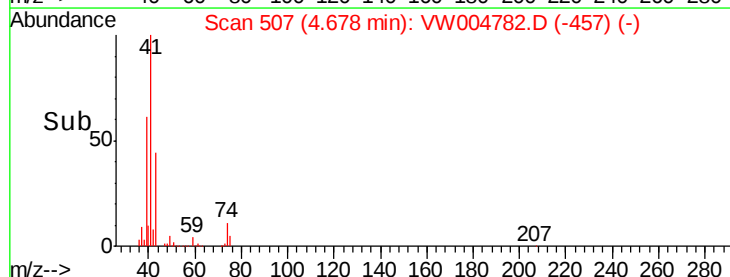
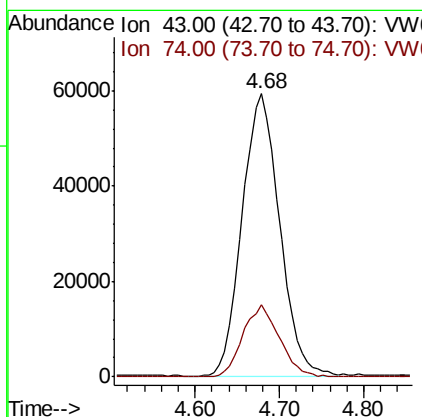
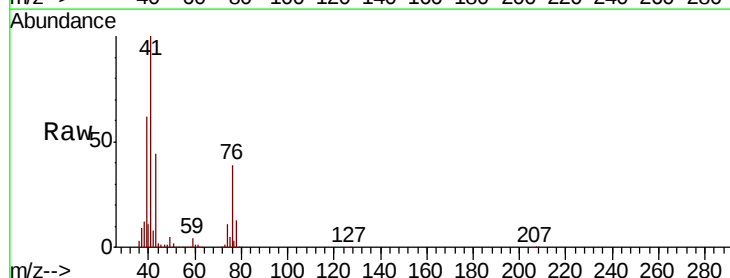
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

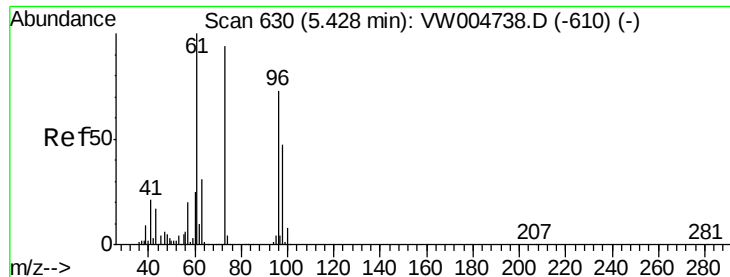
Tot Ion: 76 Resp: 1074848
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 57.81 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 43 Resp: 178378
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8



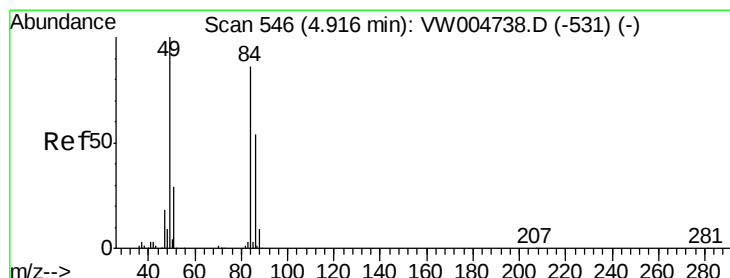
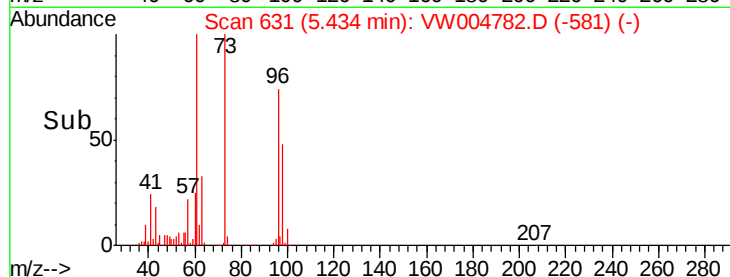
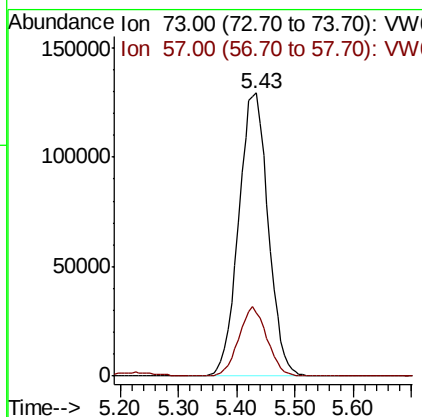
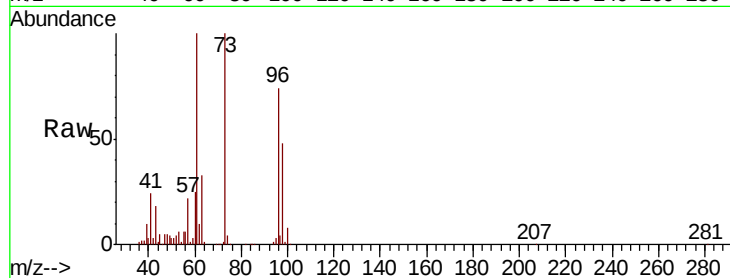


#19

Methyl tert-butyl Ether
 Concen: 58.27 ug/l
 RT: 5.43 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

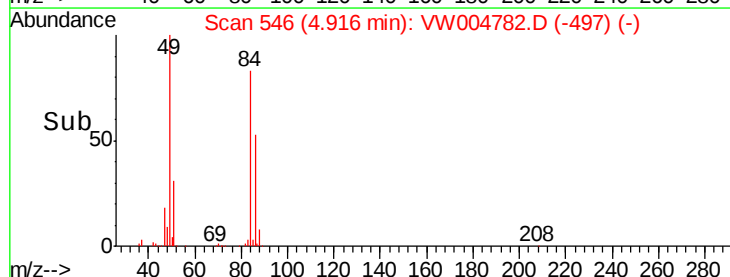
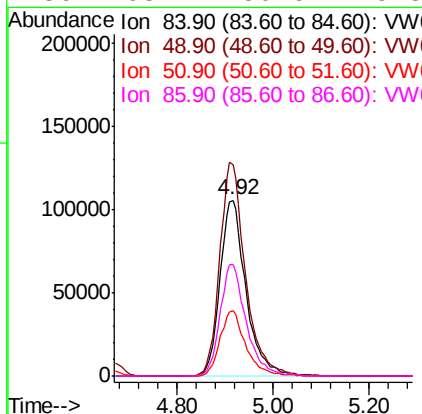
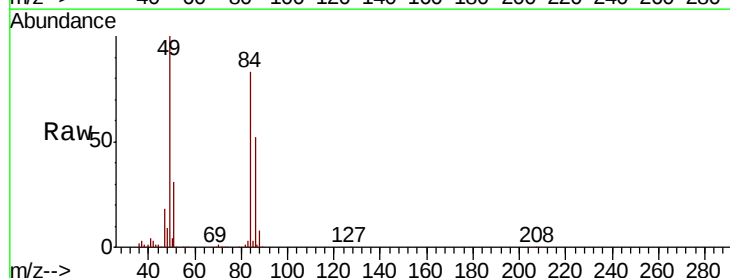
Tot Ion: 73 Resp: 454793
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.3 25.9

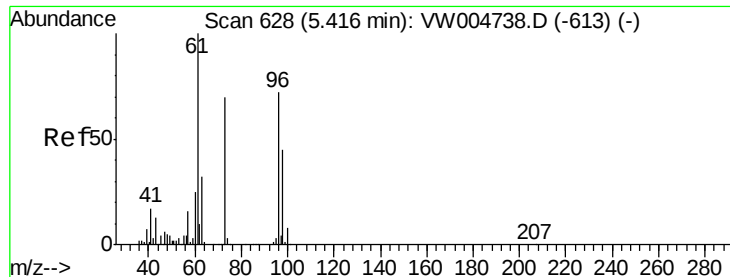


#20

Methylene Chloride
 Concen: 61.13 ug/l
 RT: 4.92 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion: 84 Resp: 395579
 Ion Ratio Lower Upper
 84 100
 49 120.6 93.2 139.8
 51 37.2 27.4 41.0
 86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 55.95 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

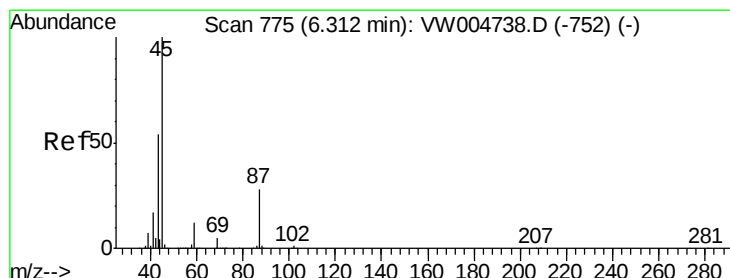
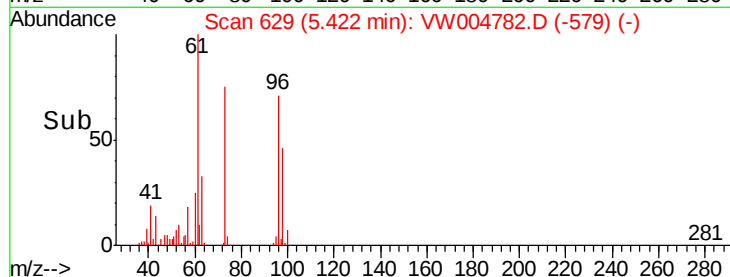
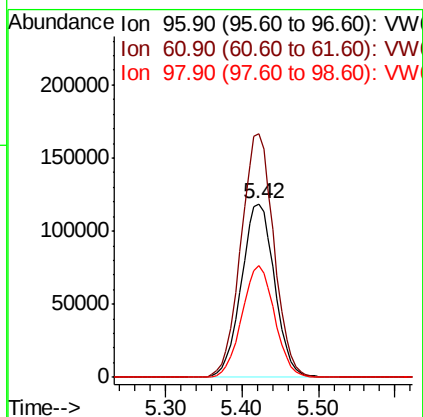
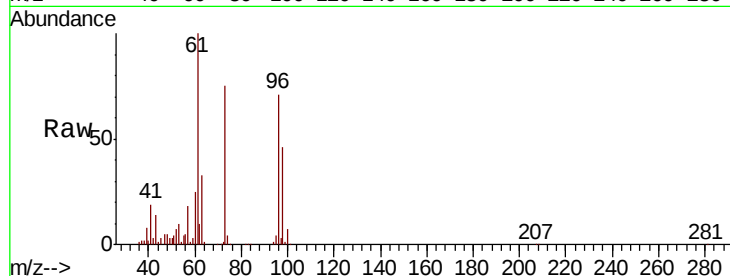
Tot Ion: 96 Resp: 357899

Ion Ratio Lower Upper

96 100

61 140.1 111.4 167.0

98 64.0 49.7 74.5



#22

Diisopropyl ether

Concen: 60.23 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Tgt Ion: 45 Resp: 1056275

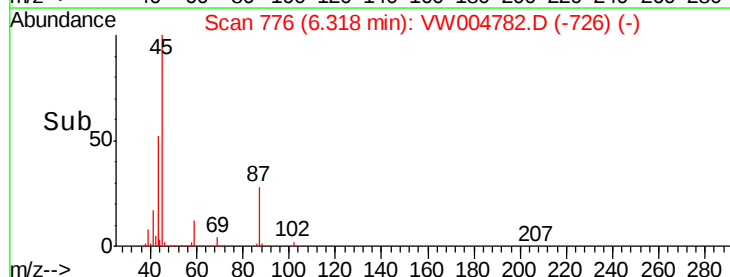
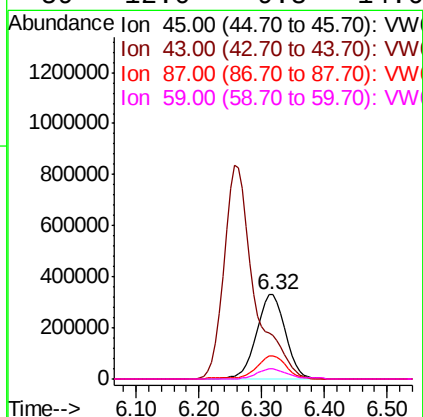
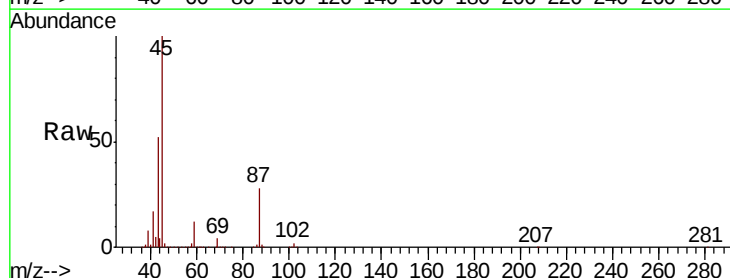
Ion Ratio Lower Upper

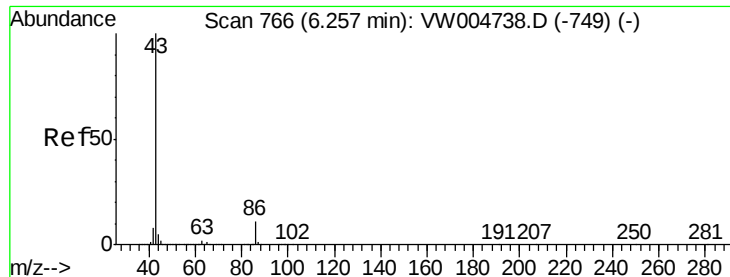
45 100

43 51.6 43.0 64.6

87 27.6 22.2 33.4

59 12.0 9.8 14.6





#23

Vinyl Acetate

Concen: 279.96 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

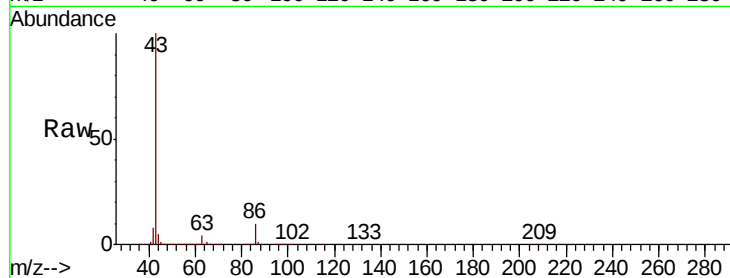
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2777001

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

800000

600000

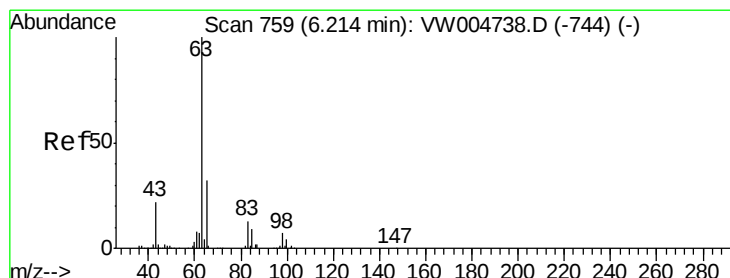
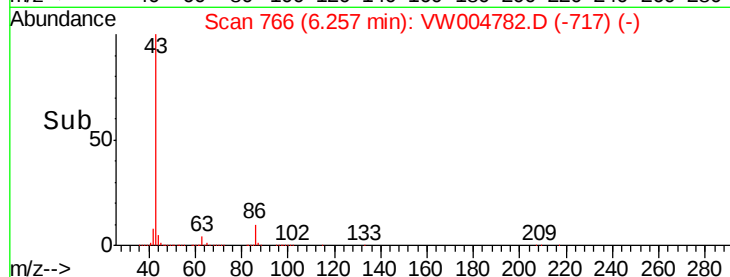
400000

200000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 56.35 ug/l

RT: 6.22 min Scan# 760

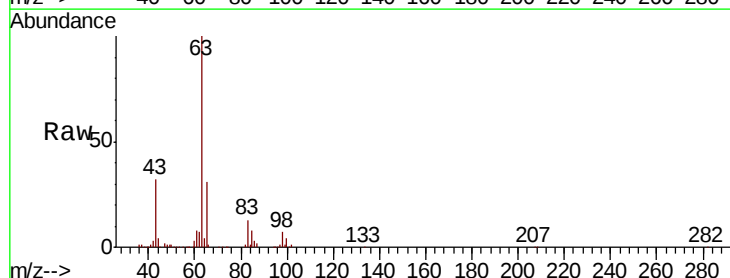
Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Tgt Ion: 63 Resp: 642219

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	4.1	2.1	6.3



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

6.22

250000

200000

150000

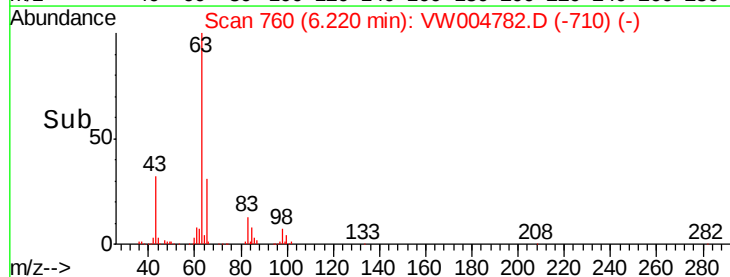
100000

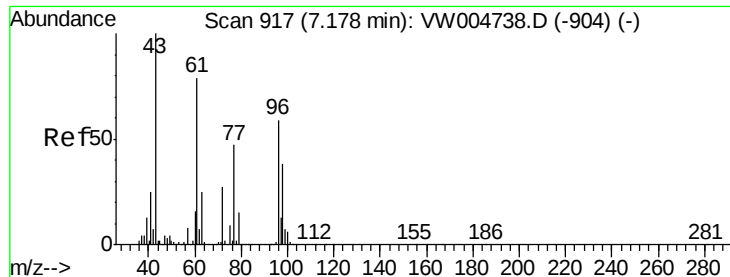
50000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 263.70 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

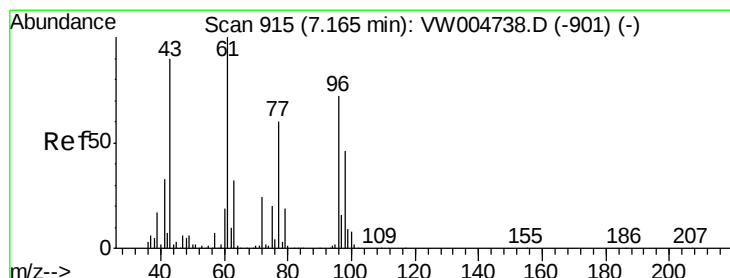
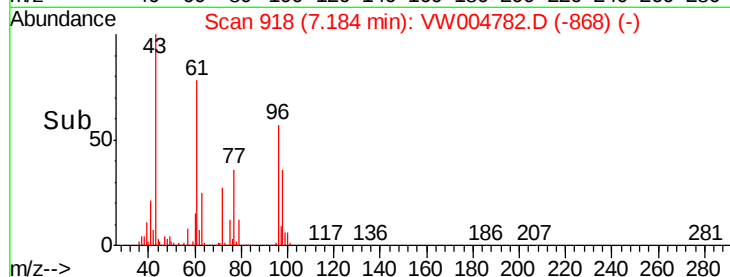
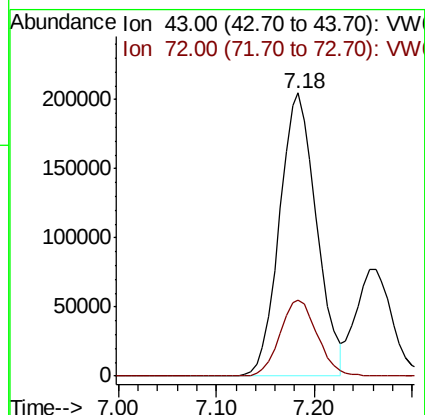
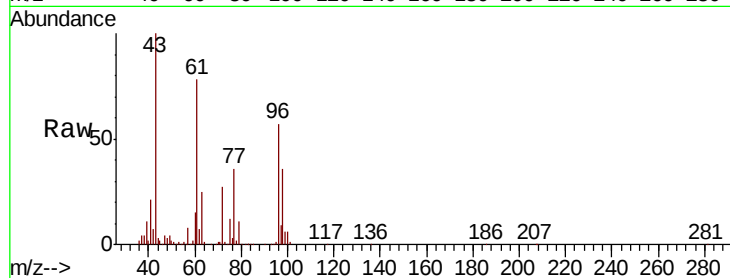
VSTDCCC050EC

Tot Ion: 43 Resp: 540985

Ion Ratio Lower Upper

43 100

72 27.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 42.34 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004782.D

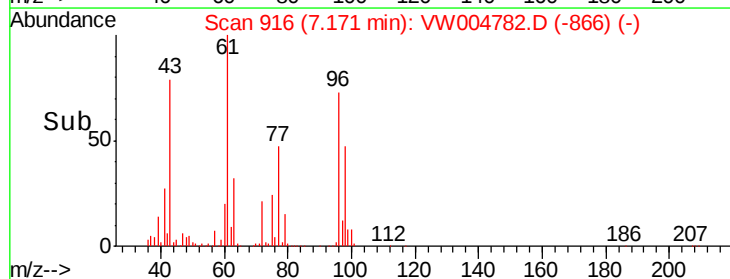
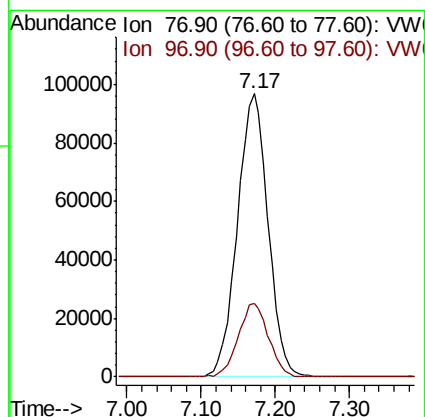
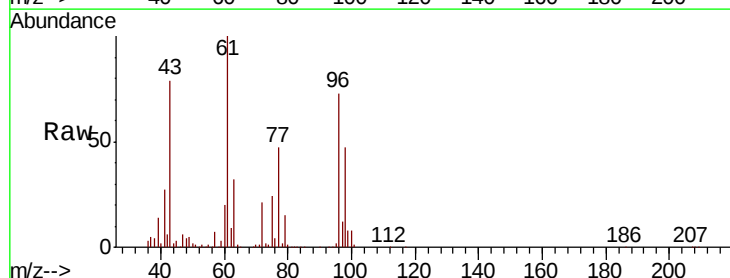
Acq: 18 Aug 2018 14:39

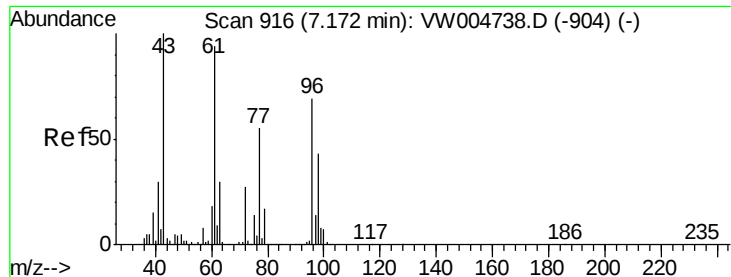
Tgt Ion: 77 Resp: 278699

Ion Ratio Lower Upper

77 100

97 25.7 12.6 37.8



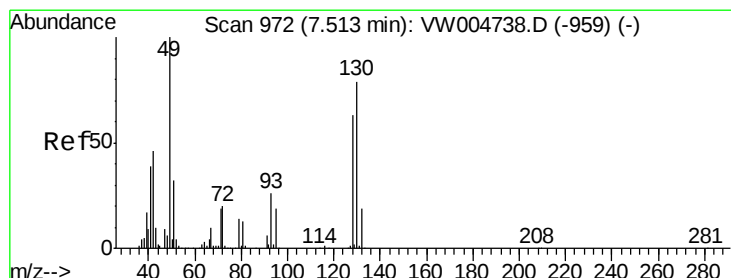
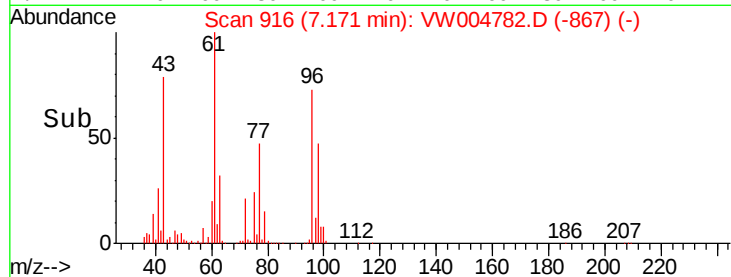
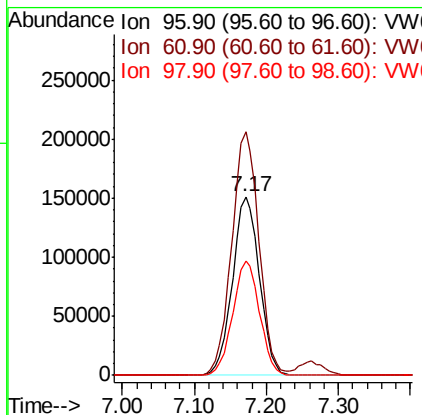
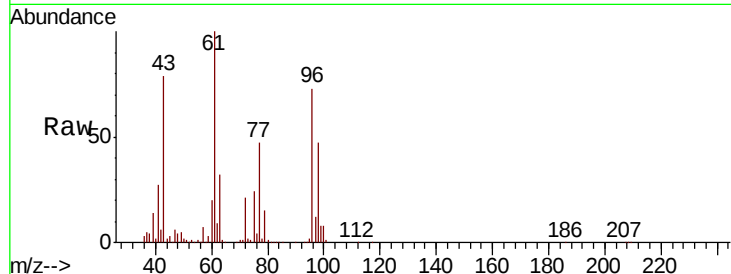


#27

cis-1,2-Dichloroethene
 Concen: 56.99 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

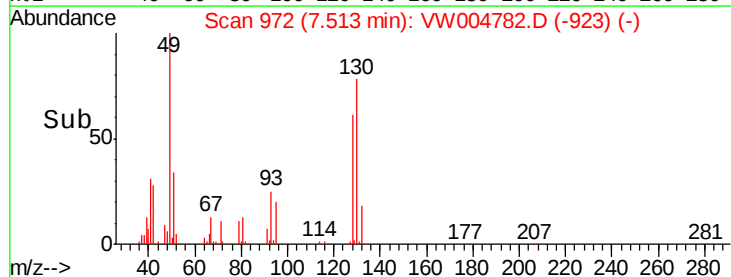
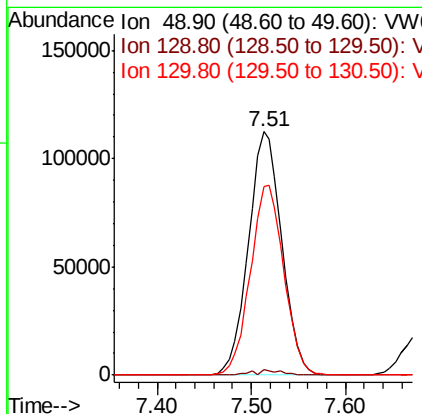
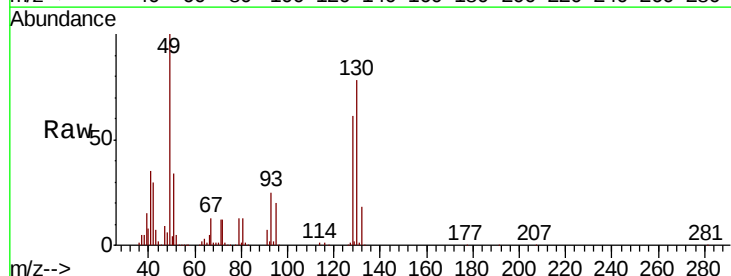
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	277.6
98	63.7	0.0	127.4

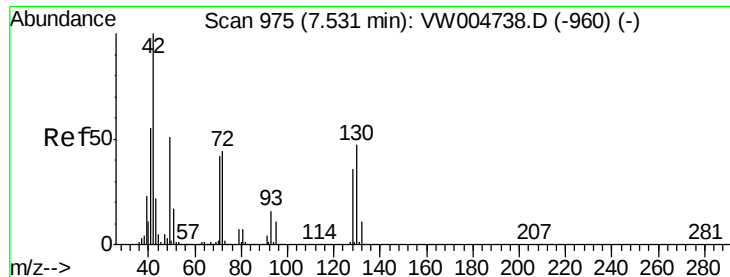


#28

Bromochloromethane
 Concen: 58.17 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	78.6	63.7	95.5





#29

Tetrahydrofuran

Concen: 284.03 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

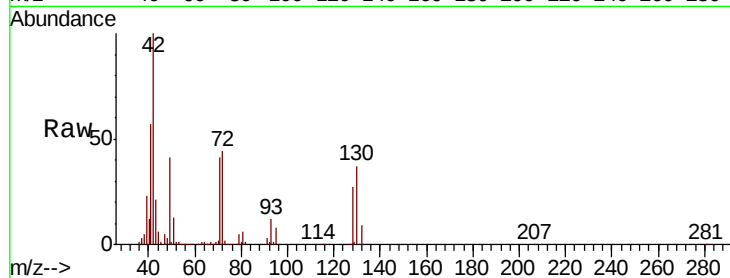
Tot Ion: 42 Resp: 297131

Ion Ratio Lower Upper

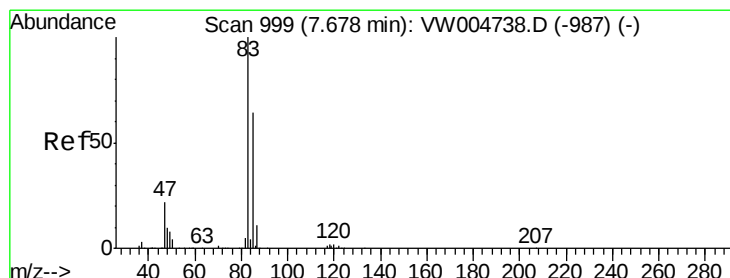
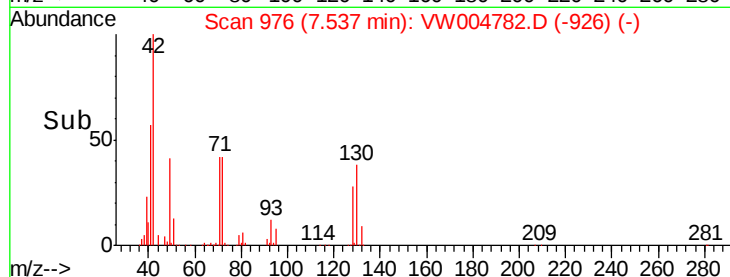
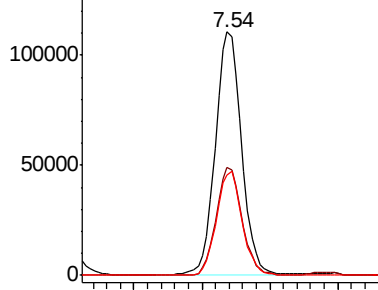
42 100

72 43.4 34.9 52.3

71 41.7 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VW
150000 Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 56.36 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004782.D

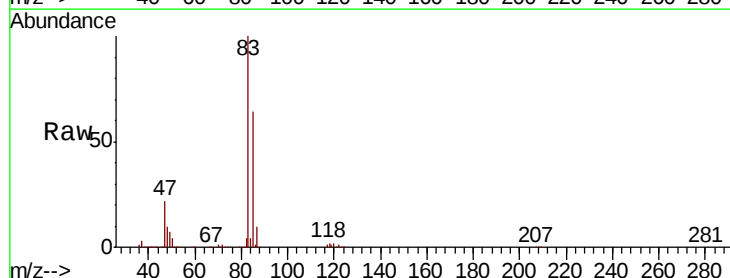
Acq: 18 Aug 2018 14:39

Tgt Ion: 83 Resp: 631628

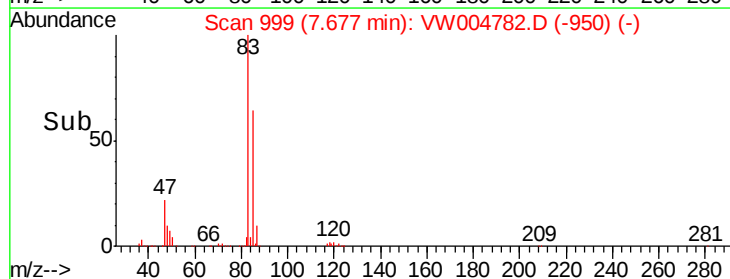
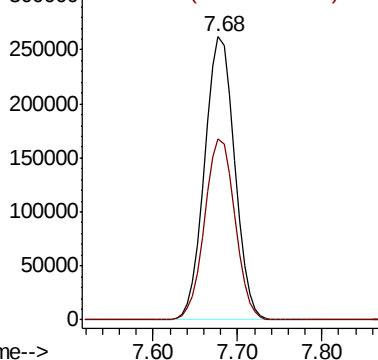
Ion Ratio Lower Upper

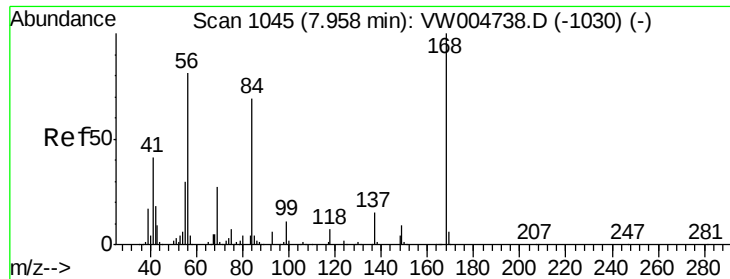
83 100

85 63.8 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW
300000 Ion 84.90 (84.60 to 85.60): VW

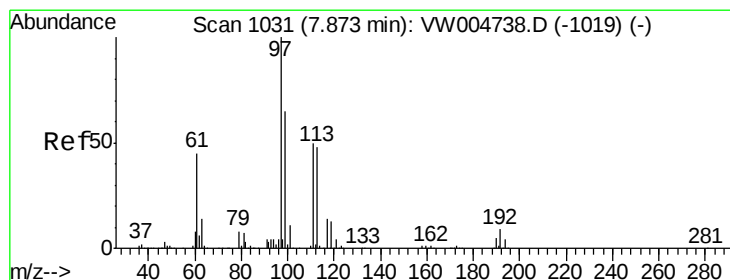
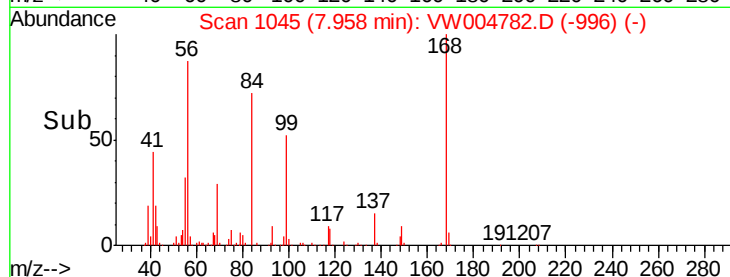
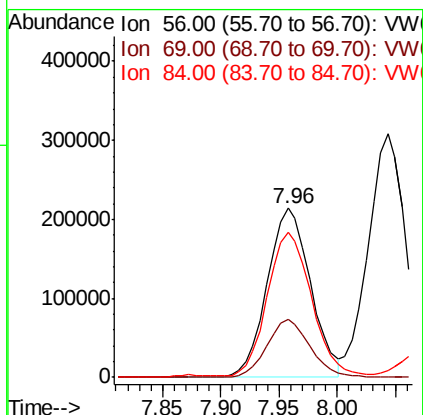
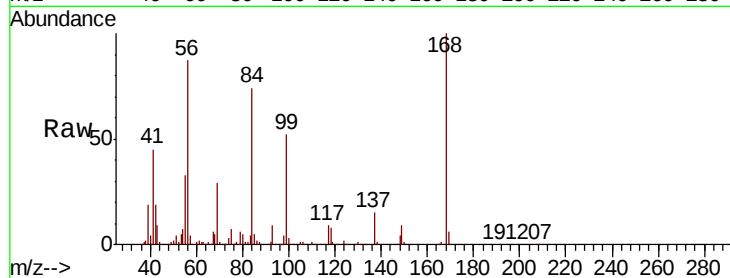




#31
Cyclohexane
Concen: 50.25 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

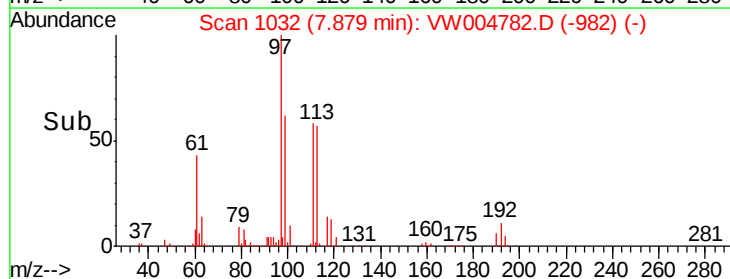
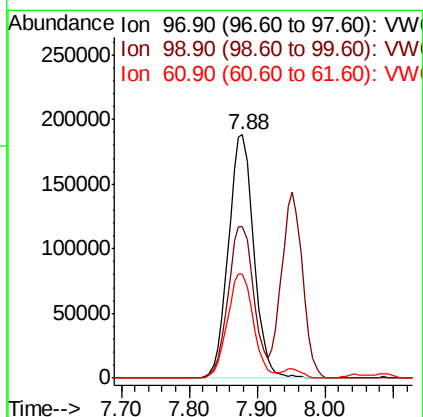
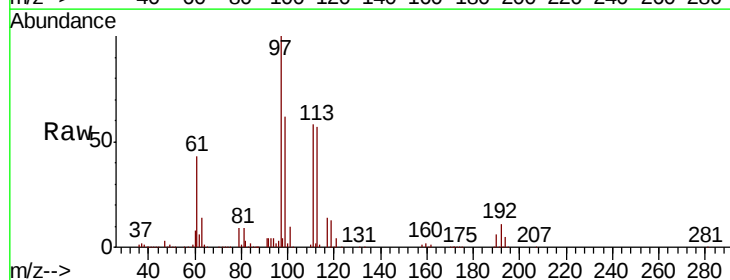
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

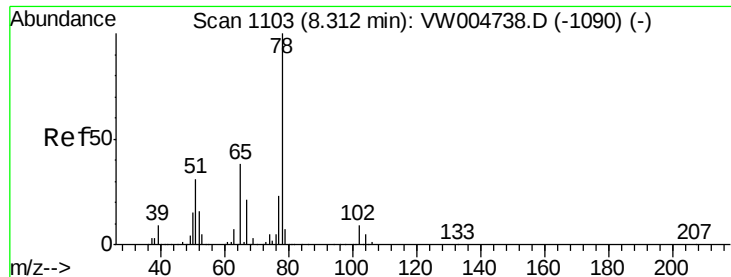
Tot Ion: 56 Resp: 553885
Ion Ratio Lower Upper
56 100
69 34.0 27.1 40.7
84 84.6 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 54.79 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 97 Resp: 486786
Ion Ratio Lower Upper
97 100
99 63.3 51.7 77.5
61 43.9 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 51.95 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

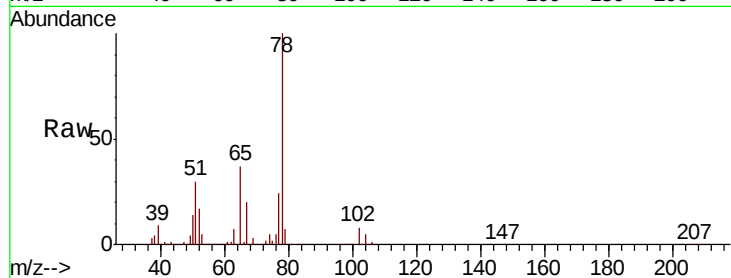
VSTDCCC050EC

Tot Ion: 65 Resp: 293044

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

150000

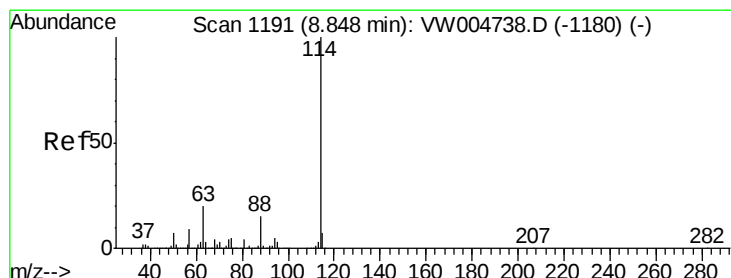
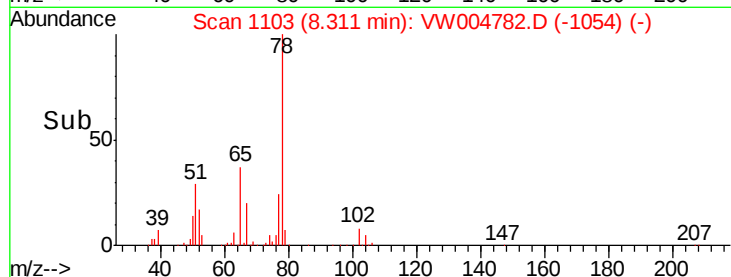
100000

50000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

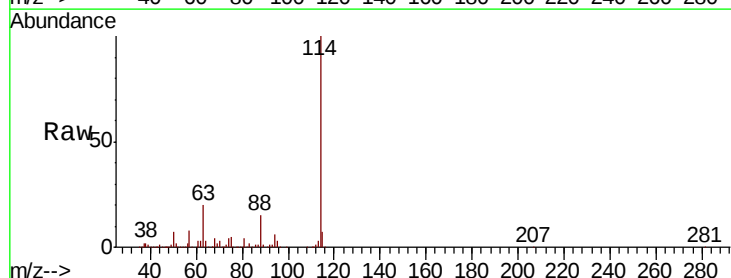
Tgt Ion: 114 Resp: 912842

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

600000

500000

400000

300000

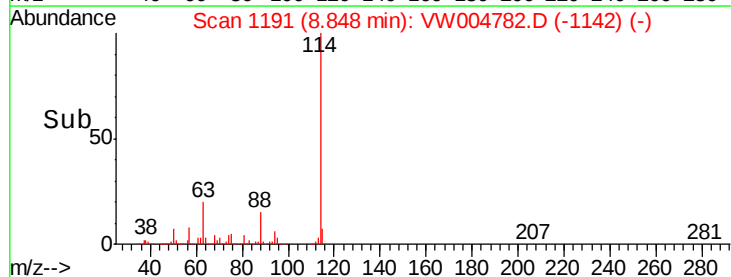
200000

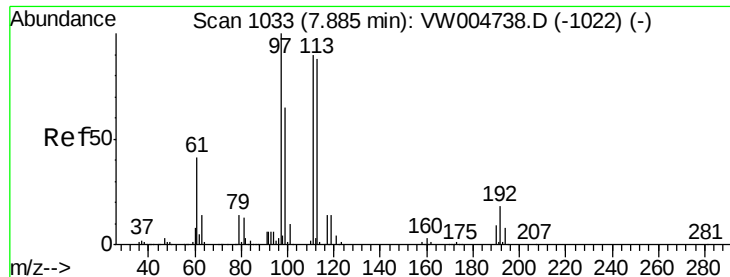
100000

0

8.80 8.90

Time-->

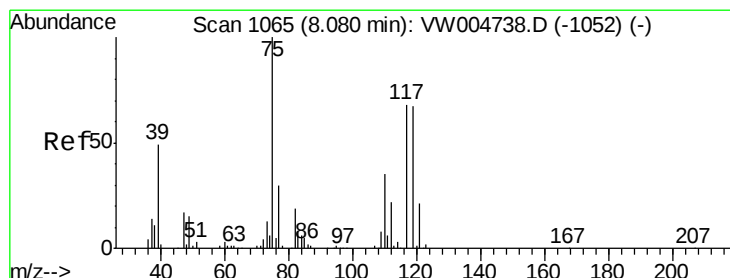
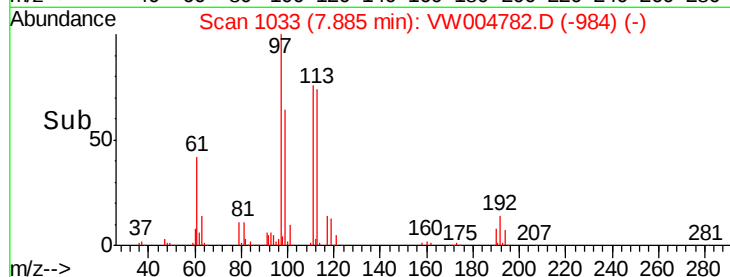
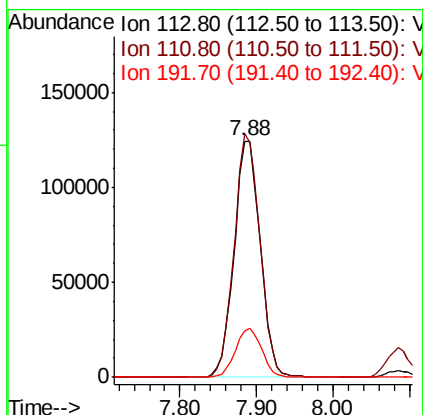
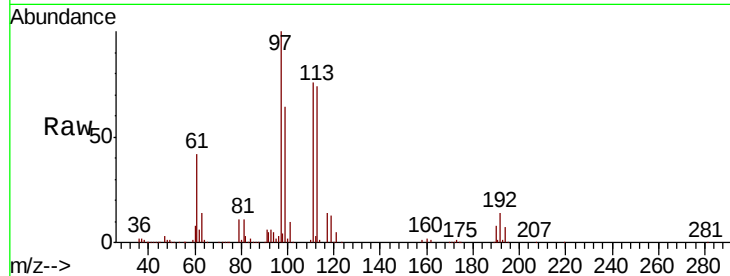




#35
 Dibromofluoromethane
 Concen: 50.45 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

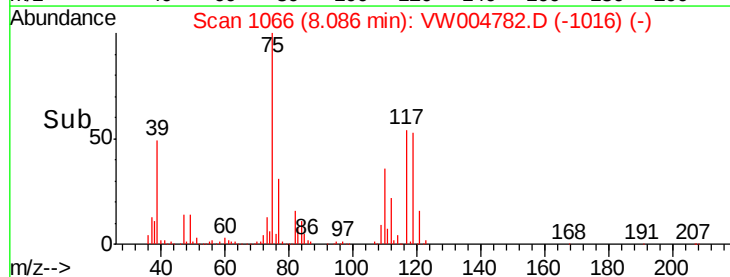
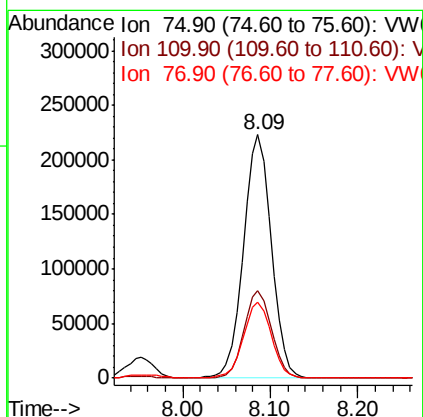
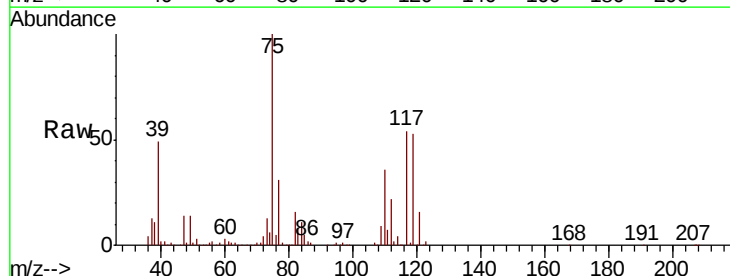
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

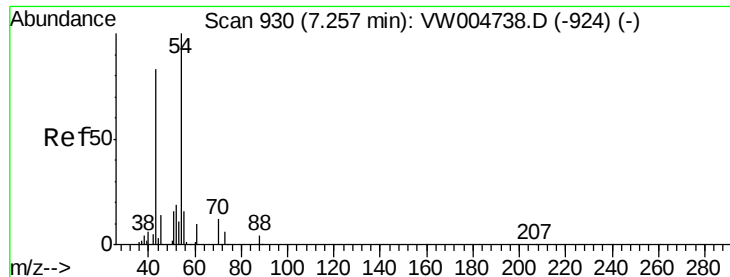
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	20.6	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 52.35 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.5
77	31.4	24.9	37.3

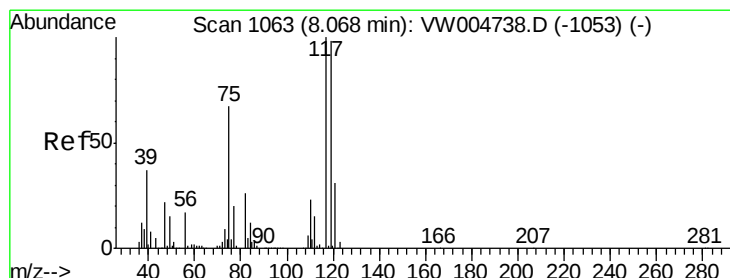
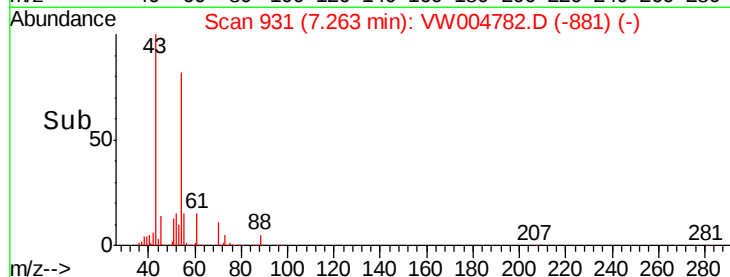
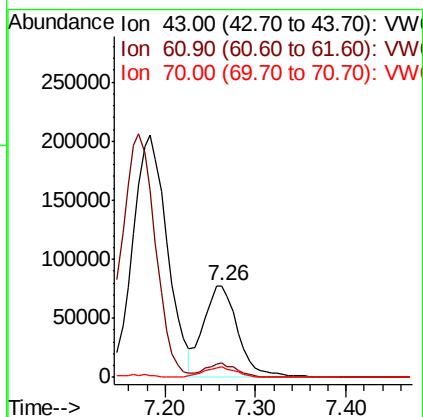
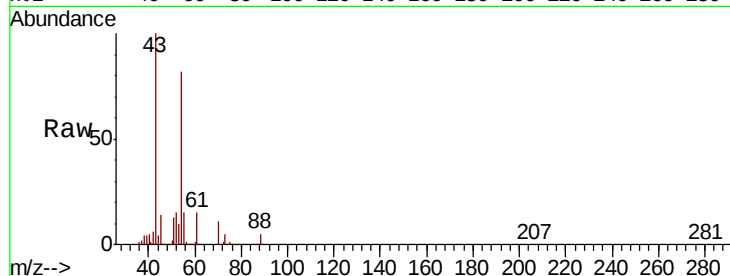




#37
Ethyl Acetate
Concen: 54.59 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

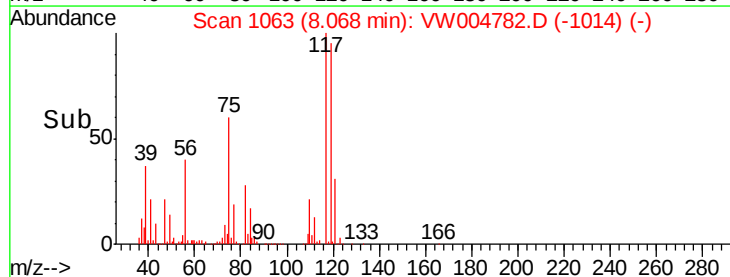
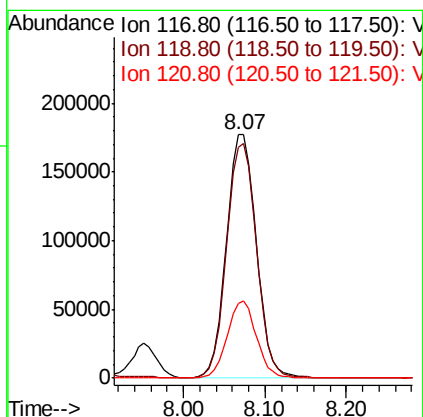
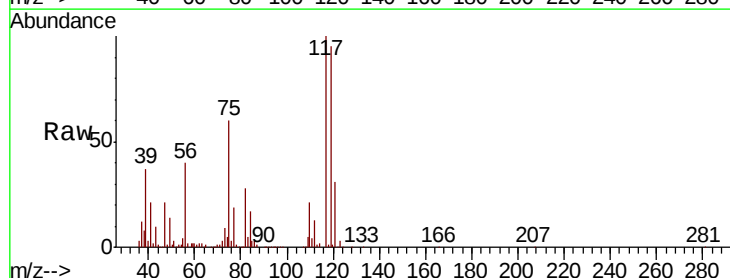
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

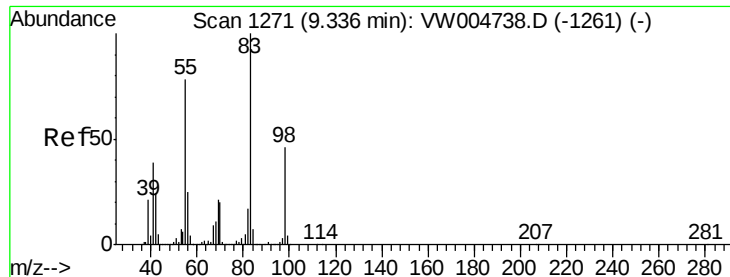
Tot Ion: 43 Resp: 204654
Ion Ratio Lower Upper
43 100
61 14.3 11.6 17.4
70 10.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 51.72 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 117 Resp: 447731
Ion Ratio Lower Upper
117 100
119 94.9 78.0 117.0
121 30.8 24.8 37.2

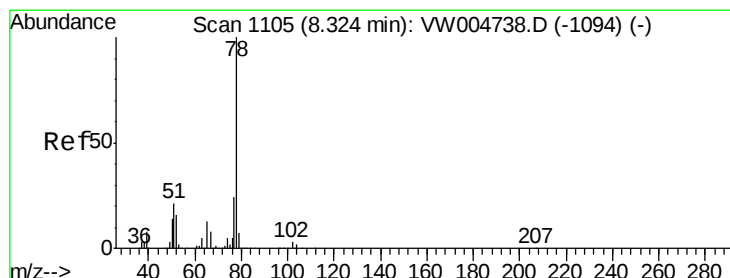
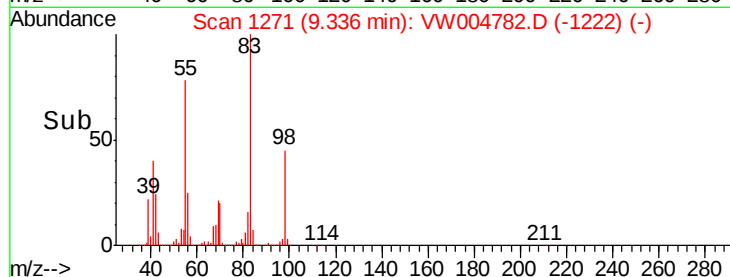
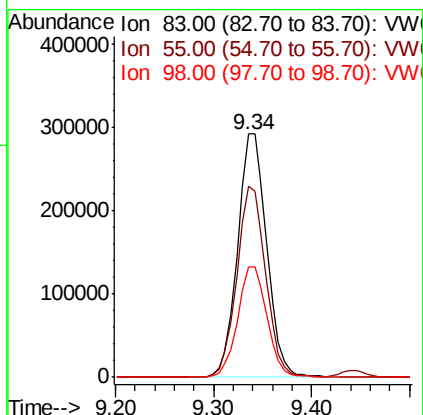
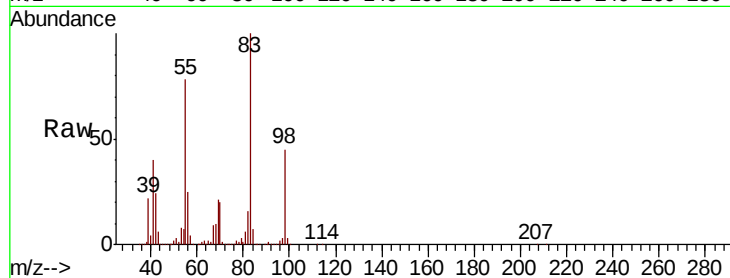




#39
Methylcyclohexane
Concen: 51.34 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

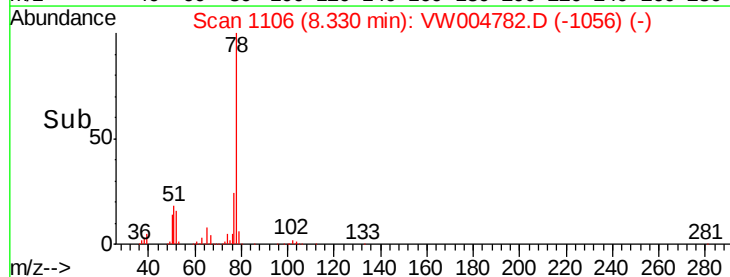
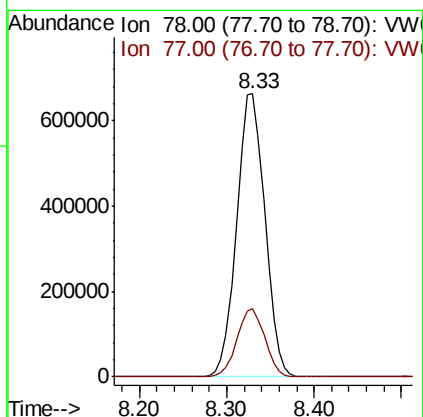
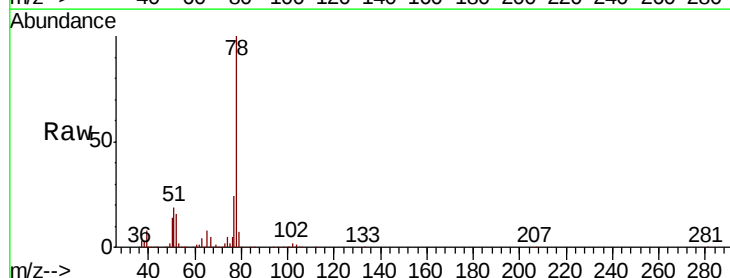
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

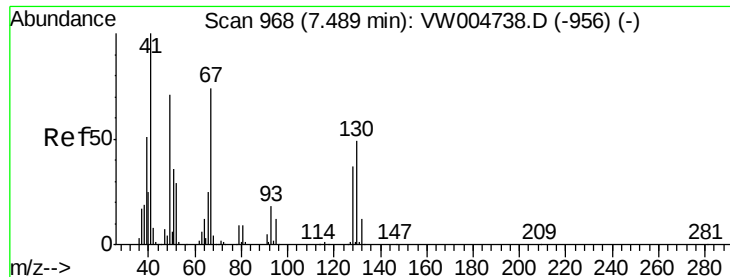
Tot Ion: 83 Resp: 603820
Ion Ratio Lower Upper
83 100
55 78.5 62.4 93.6
98 45.3 36.5 54.7



#40
Benzene
Concen: 54.47 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 78 Resp: 1488739
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

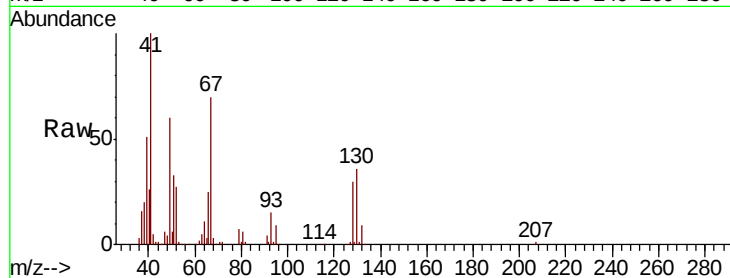




#41
Methacrylonitrile
Concen: 54.02 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	114922
Ion	Ratio	Lower	Upper
41	100		
39	57.2	41.0	61.4
67	78.9	59.5	89.3
52	31.0	23.6	35.4



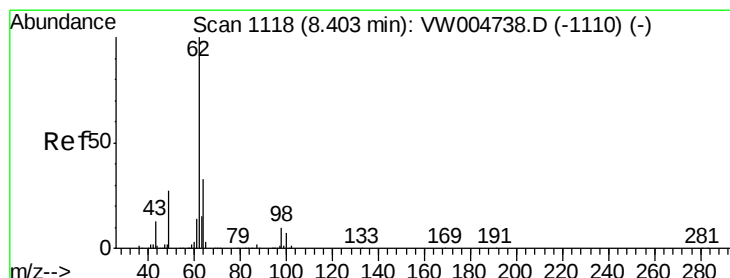
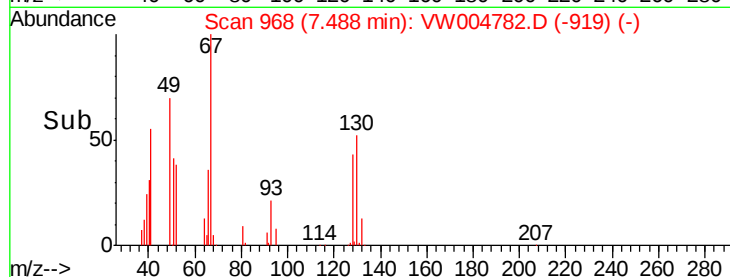
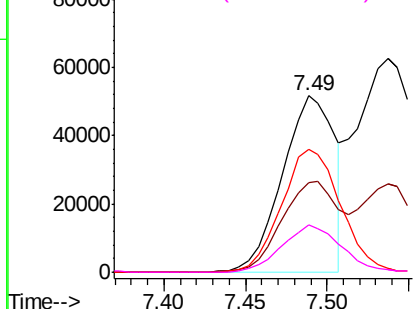
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

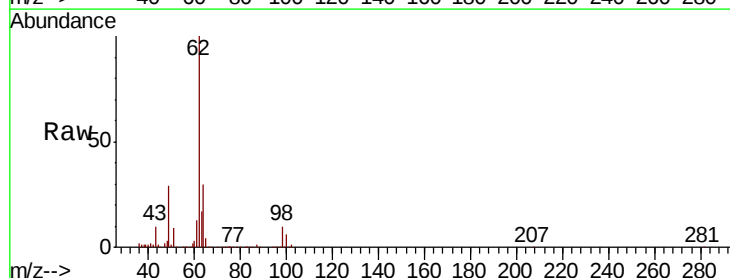
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 54.93 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

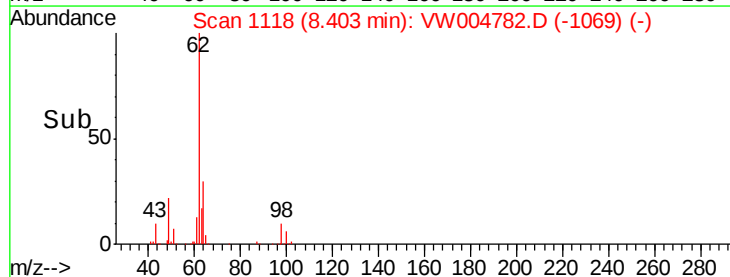
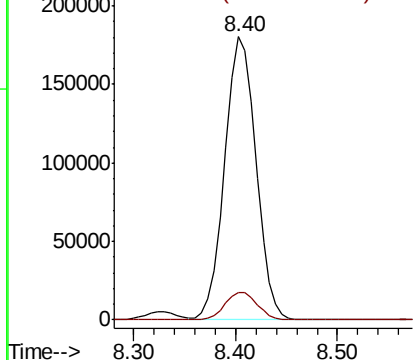
Tgt Ion:	62	Resp:	384985
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2

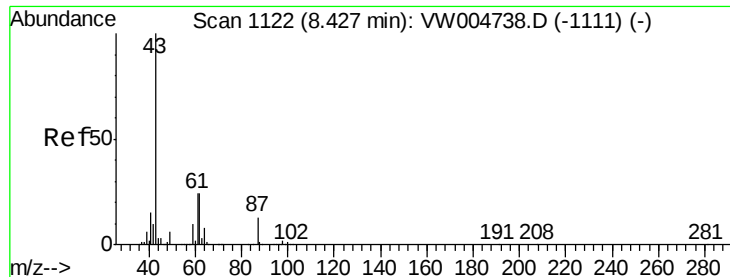


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.41 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

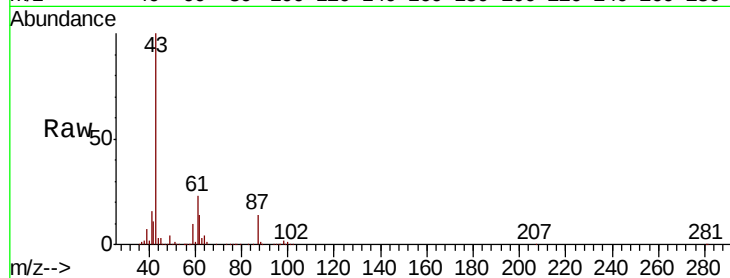
Tot Ion: 43 Resp: 366368

Ion Ratio Lower Upper

43 100

61 32.8 26.2 39.4

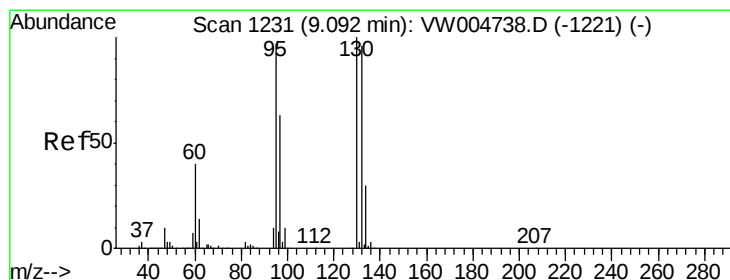
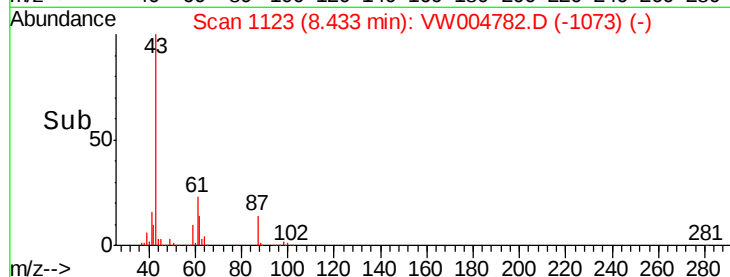
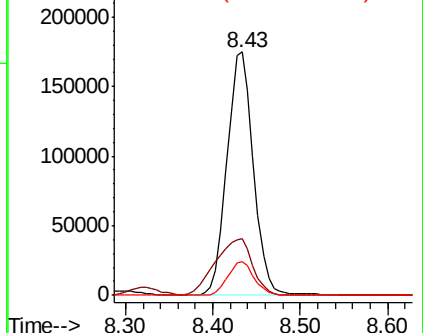
87 13.8 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.17 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004782.D

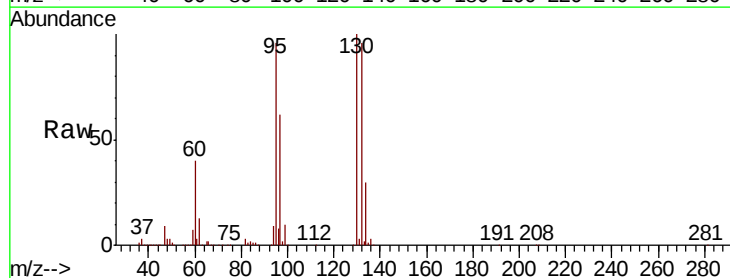
Acq: 18 Aug 2018 14:39

Tgt Ion: 130 Resp: 368891

Ion Ratio Lower Upper

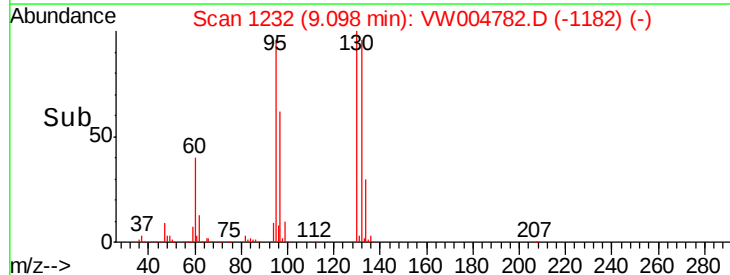
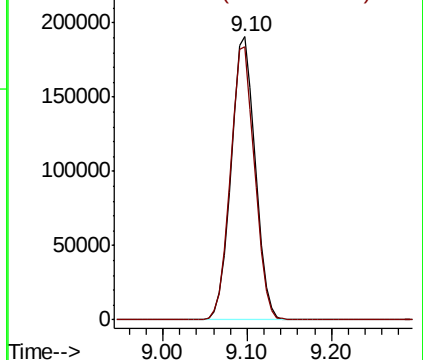
130 100

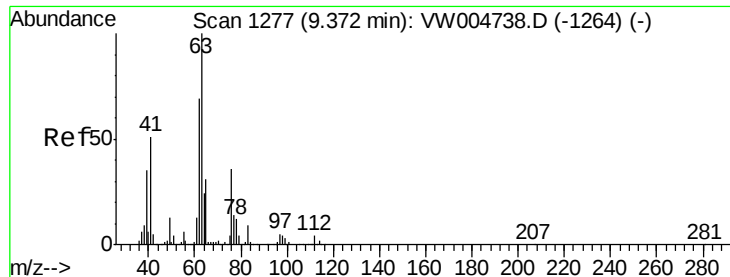
95 96.4 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

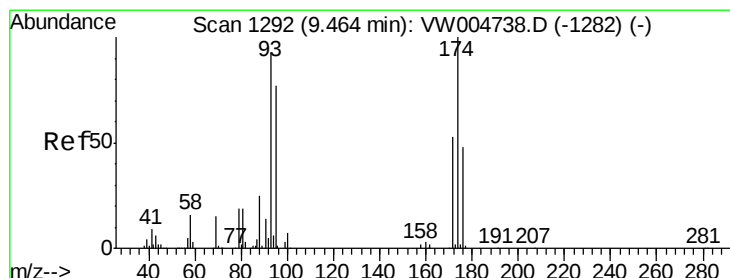
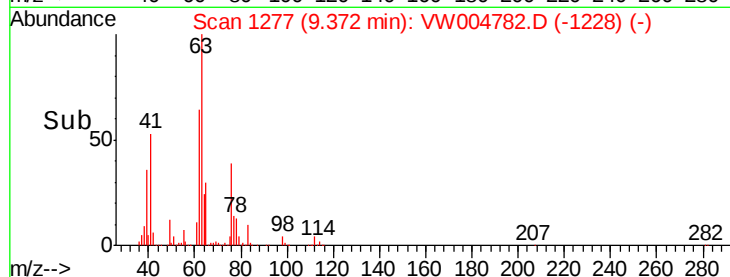
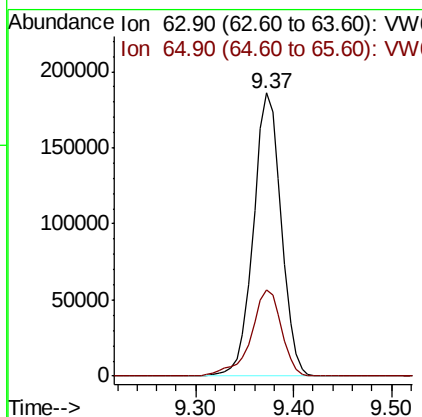
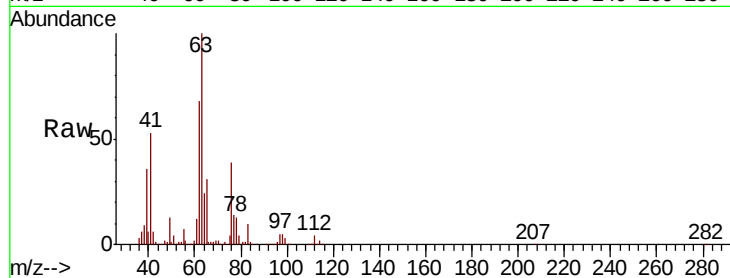




#45
 1,2-Dichloropropane
 Concen: 54.79 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

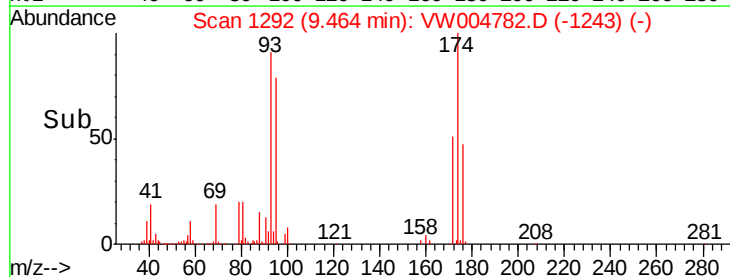
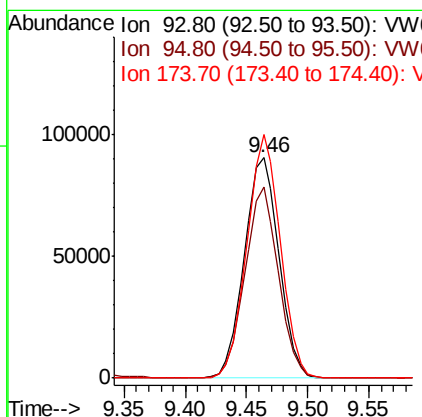
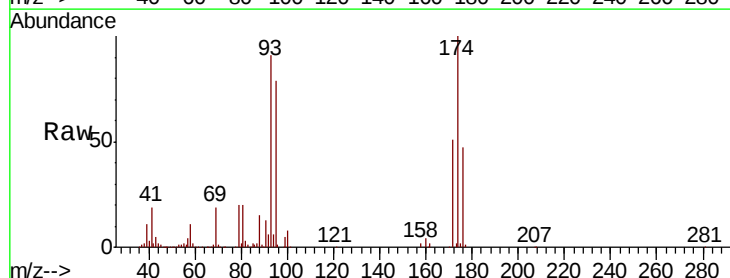
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

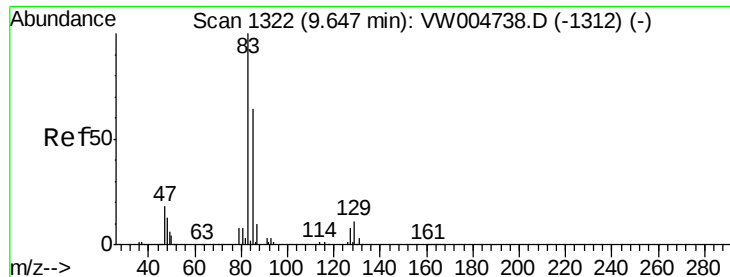
Tot Ion: 63 Resp: 366299
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 53.99 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion: 93 Resp: 178805
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 99.8
 174 106.9 85.3 127.9





#47

Bromodichloromethane

Concen: 55.09 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

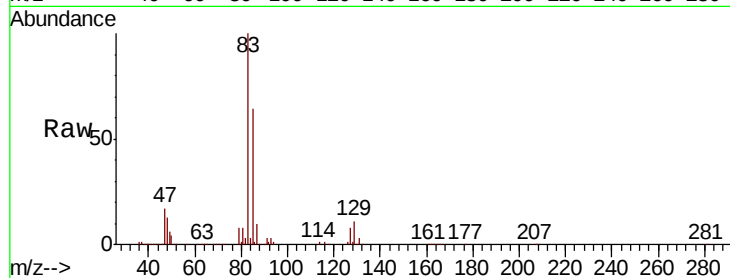
Tot Ion: 83 Resp: 435723

Ion Ratio Lower Upper

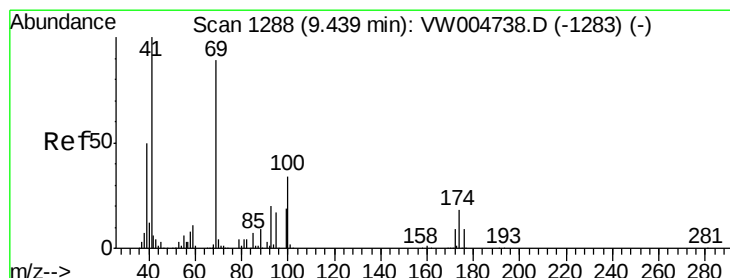
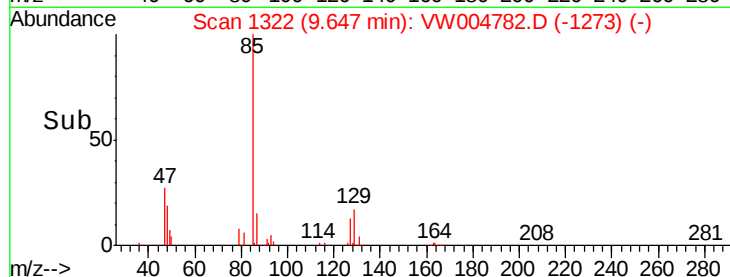
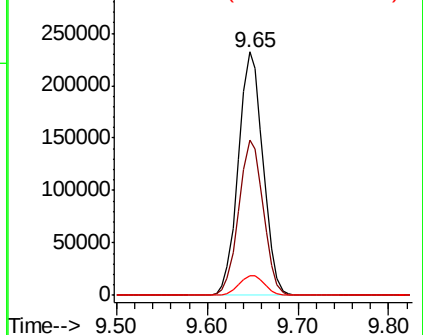
83 100

85 63.7 51.2 76.8

127 8.3 6.7 10.1



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



#48

Methyl methacrylate

Concen: 56.47 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

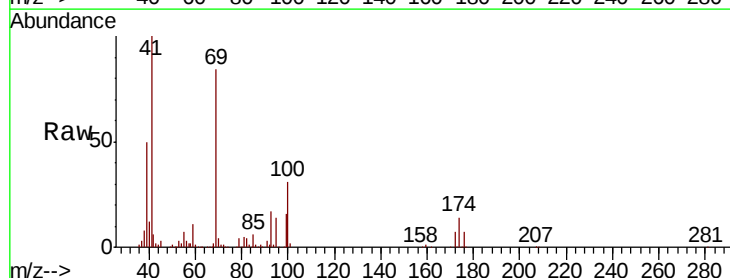
Tgt Ion: 41 Resp: 178434

Ion Ratio Lower Upper

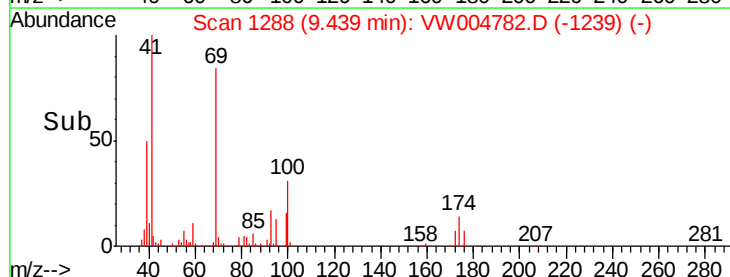
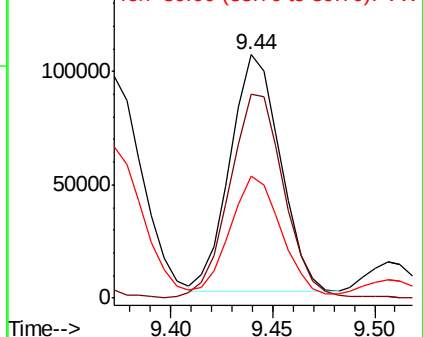
41 100

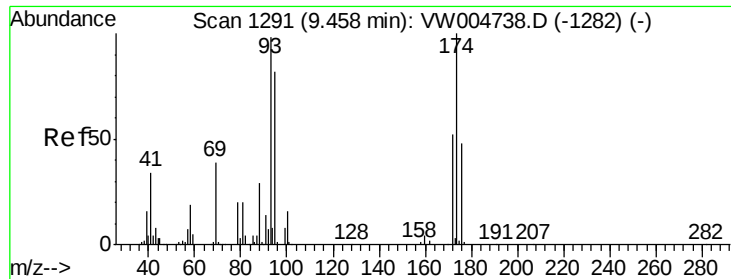
69 93.1 75.2 112.8

39 53.8 39.8 59.6



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

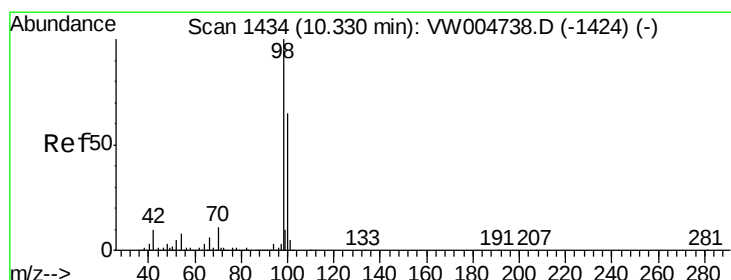
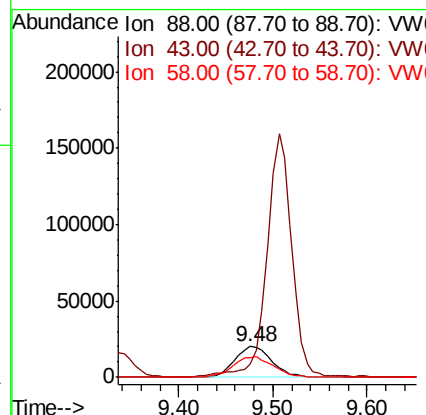
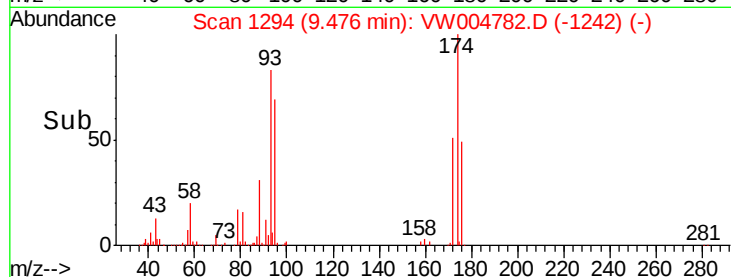
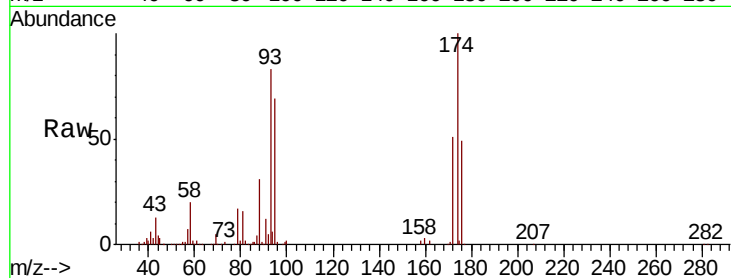




#49
1,4-Dioxane
Concen: 1149.61 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.02 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

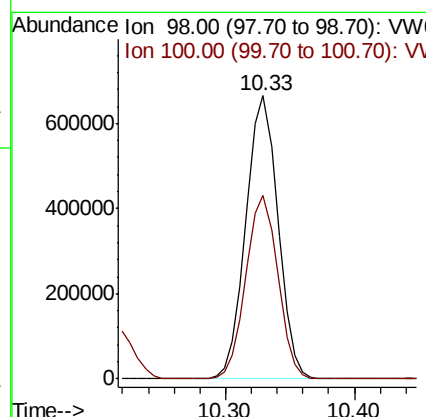
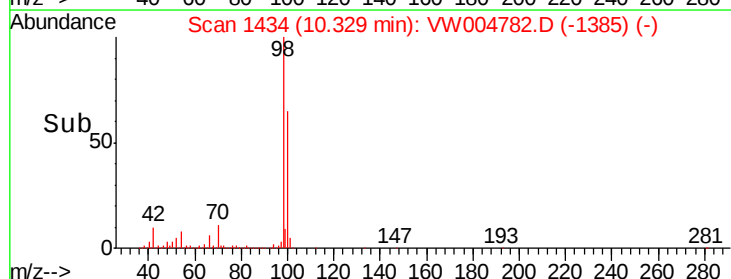
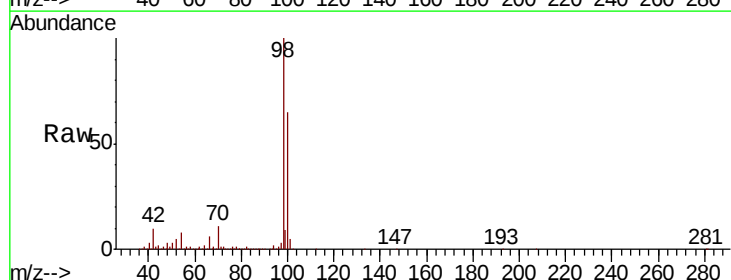
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

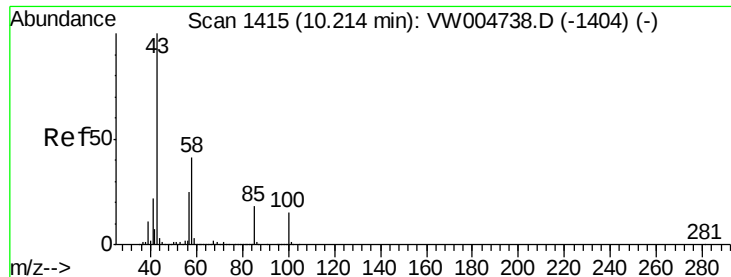
Tot Ion: 88 Resp: 55625
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 74.6 60.0 90.0



#50
Toluene-d8
Concen: 50.33 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 98 Resp: 1146205
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 278.52 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

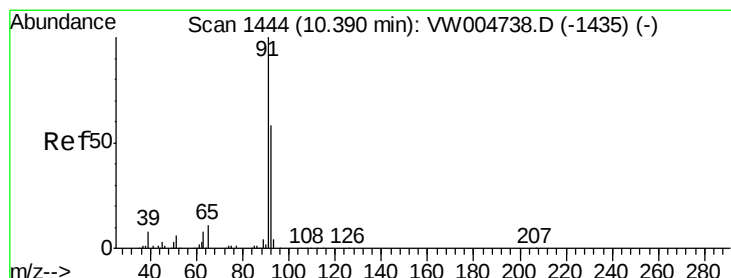
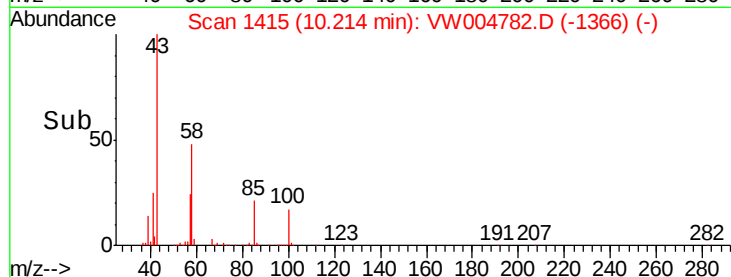
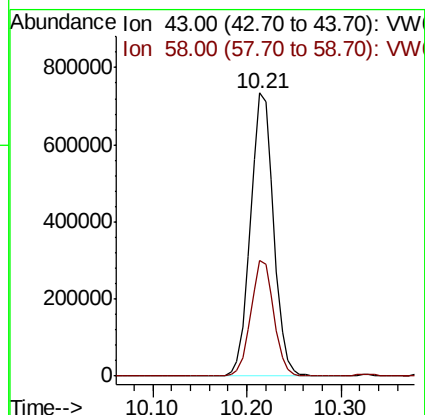
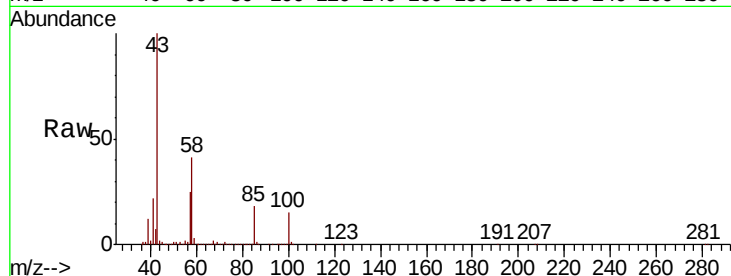
VSTDCCC050EC

Tot Ion: 43 Resp: 1267503

Ion Ratio Lower Upper

43 100

58 40.5 32.7 49.1



#52

Toluene

Concen: 54.37 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004782.D

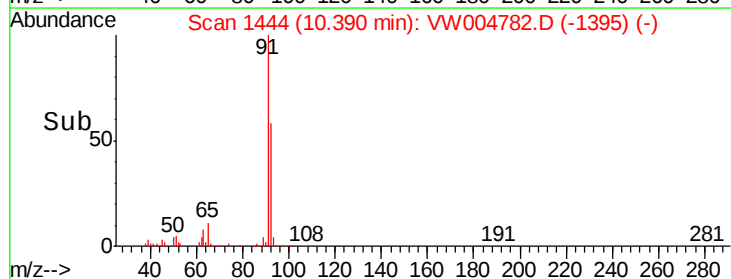
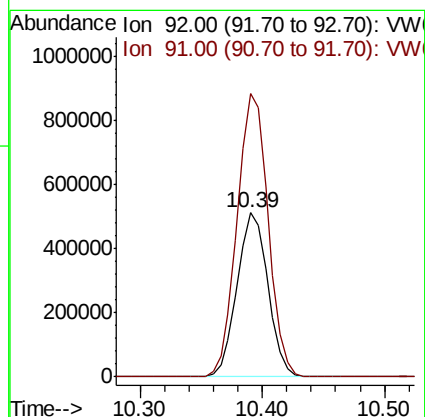
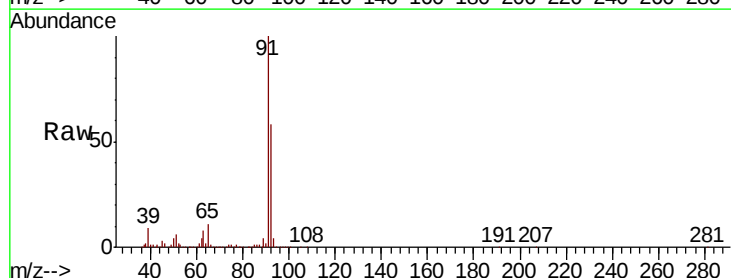
Acq: 18 Aug 2018 14:39

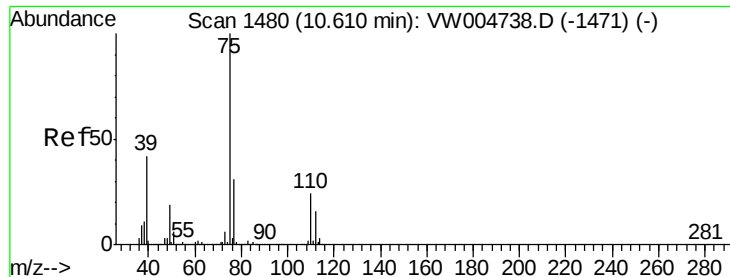
Tgt Ion: 92 Resp: 891148

Ion Ratio Lower Upper

92 100

91 174.2 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 51.02 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

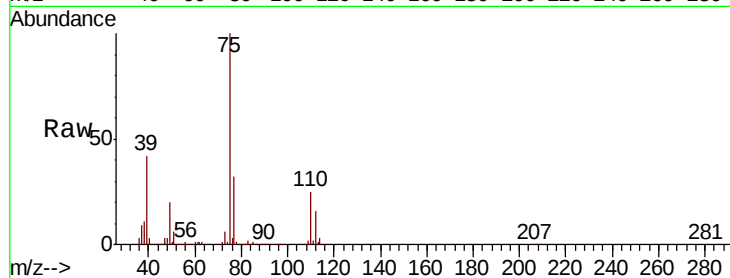
VSTDCCC050EC

Tot Ion: 75 Resp: 406602

Ion Ratio Lower Upper

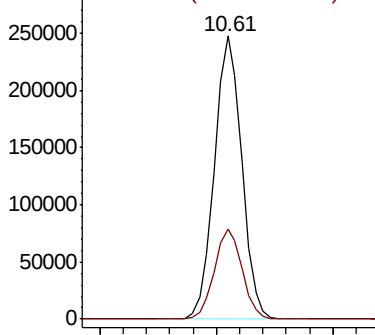
75 100

77 31.9 24.8 37.2

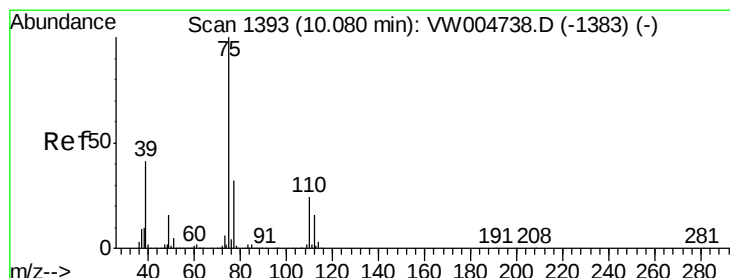
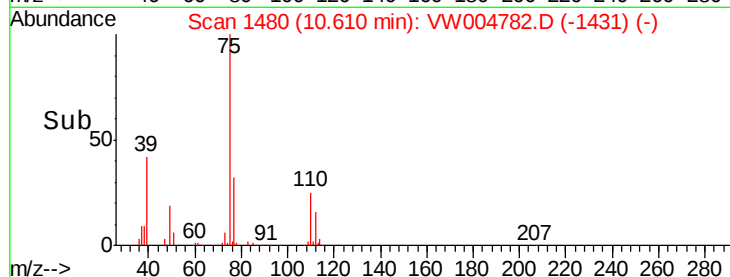


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.88 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

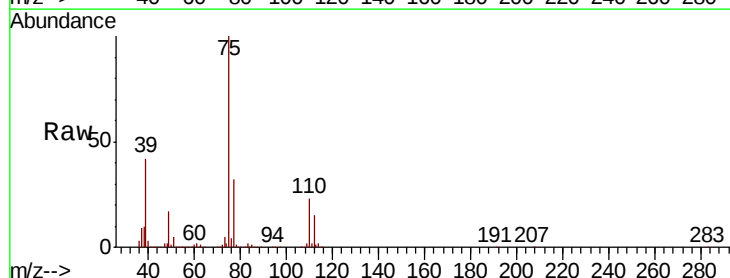
Tgt Ion: 75 Resp: 492911

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

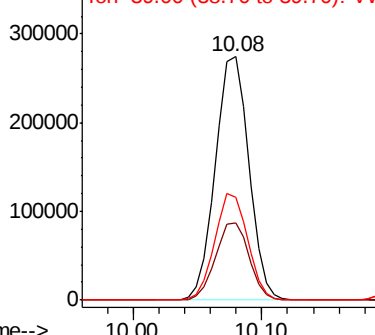
39 42.2 33.0 49.4



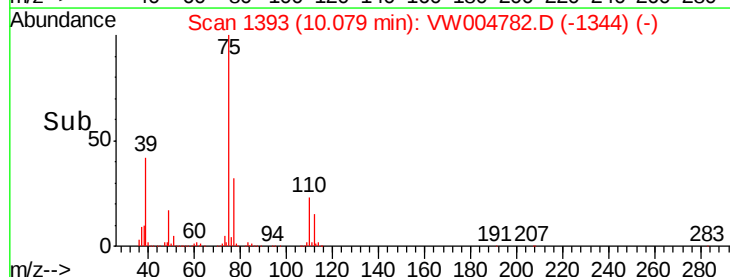
Abundance Ion 74.90 (74.60 to 75.60): VW

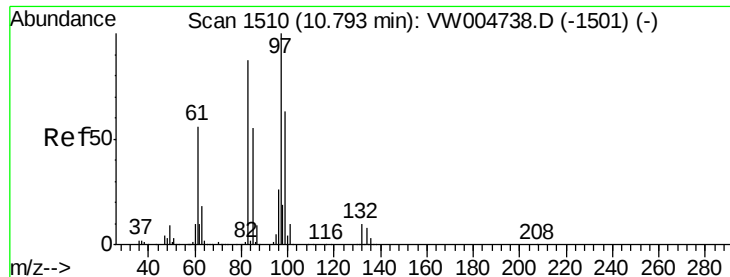
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

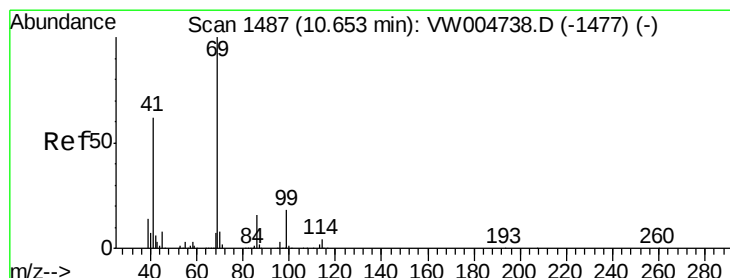
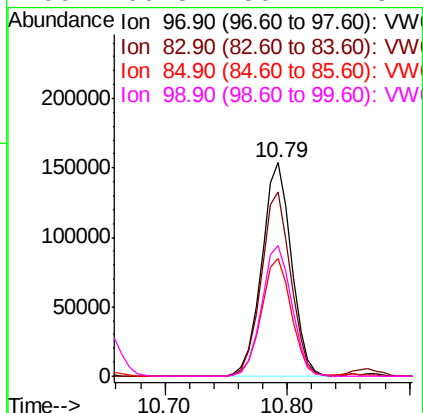
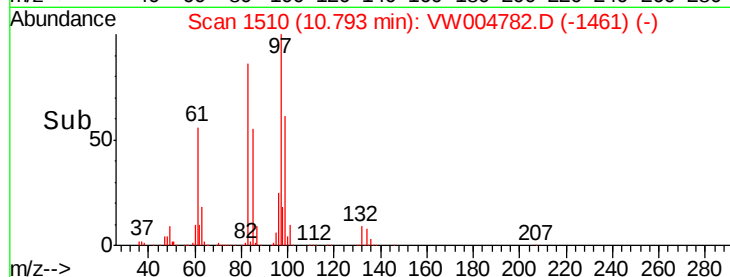
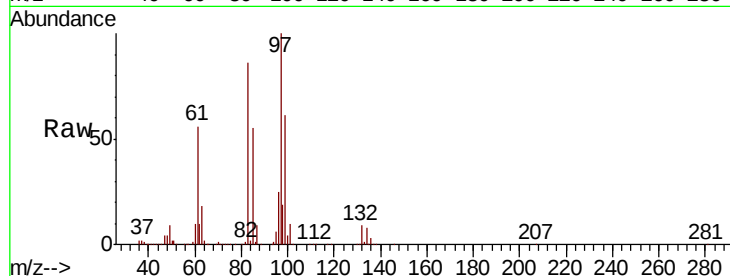




#55
 1,1,2-Trichloroethane
 Concen: 54.97 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

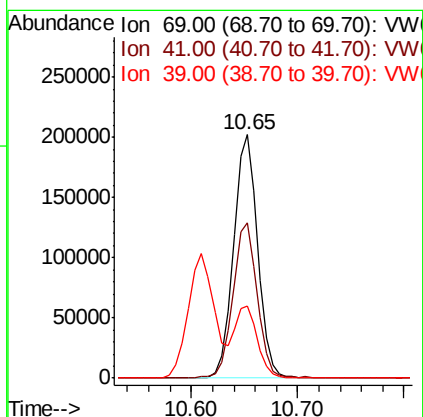
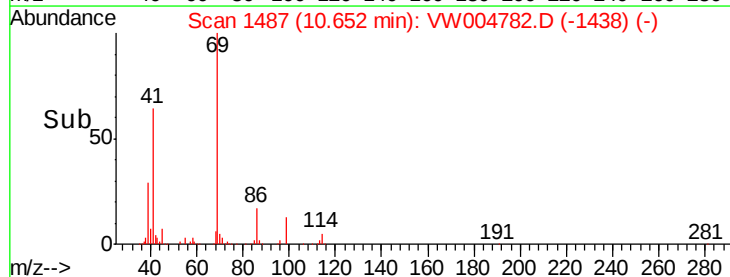
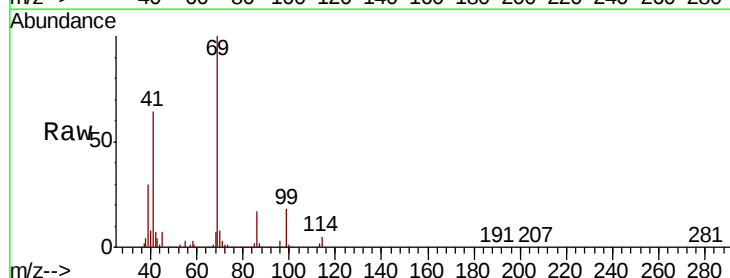
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

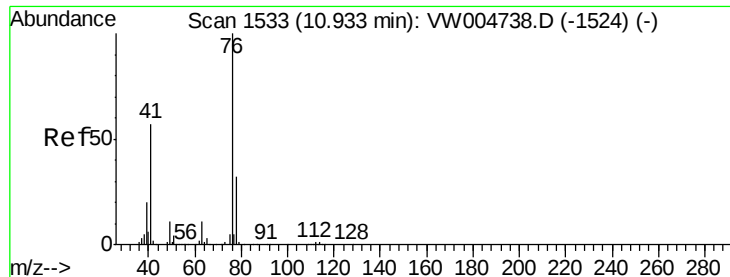
Tot Ion:	97	Resp:	258802
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.4	104.2
85	55.0	44.3	66.5
99	60.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.89 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion:	69	Resp:	319848
Ion	Ratio	Lower	Upper
69	100		
41	64.5	50.7	76.1
39	27.1	21.4	32.2

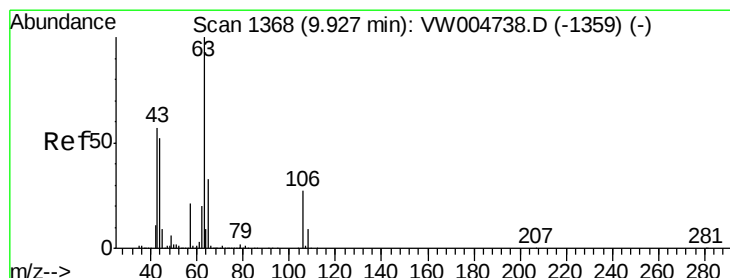
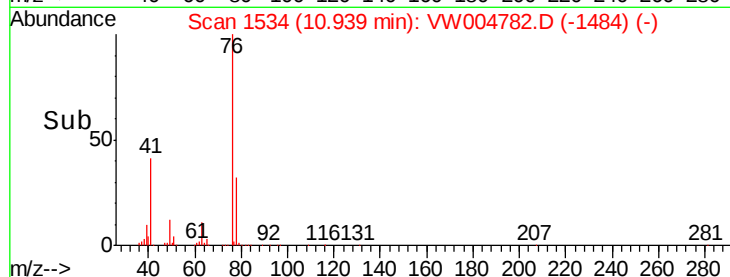
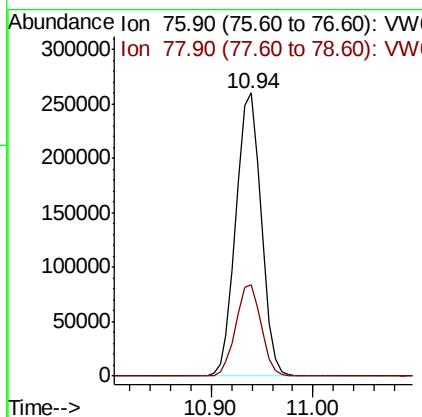
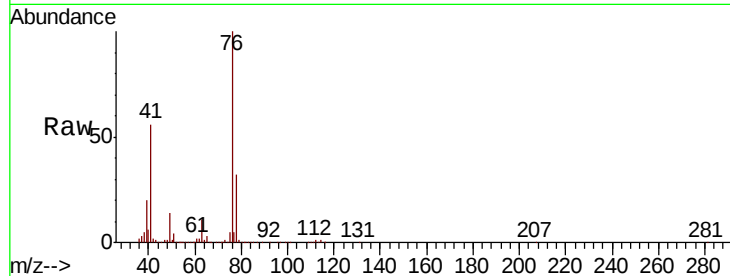




#57
 1,3-Dichloropropane
 Concen: 54.79 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

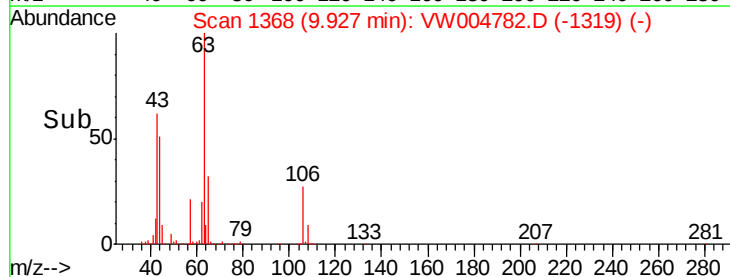
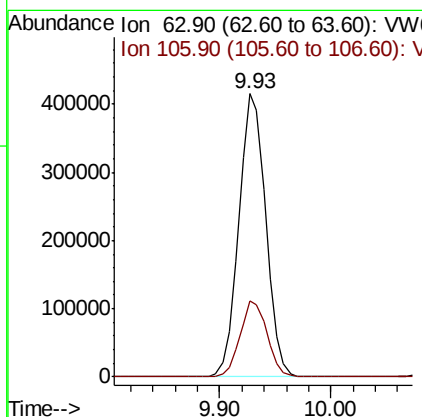
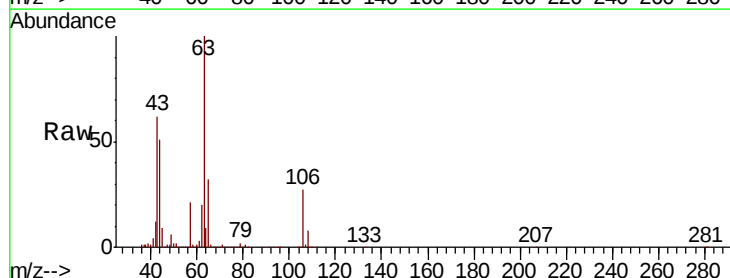
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

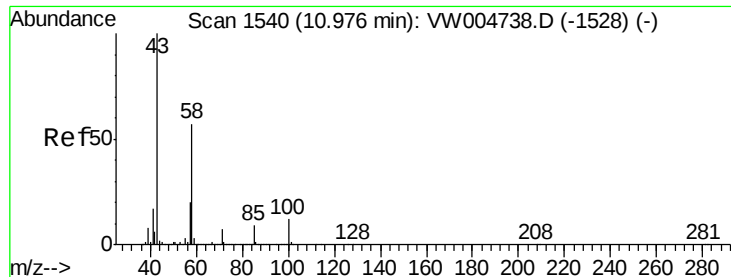
Tot Ion: 76 Resp: 445226
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.45 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion: 63 Resp: 692737
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.1 33.1

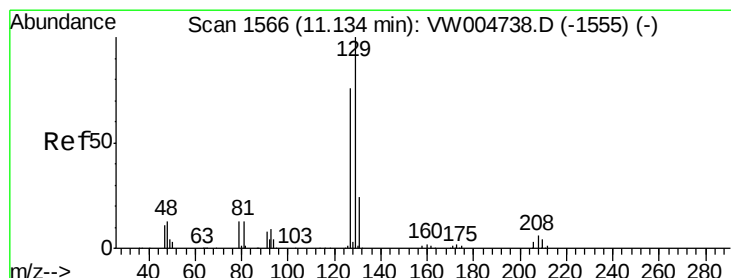
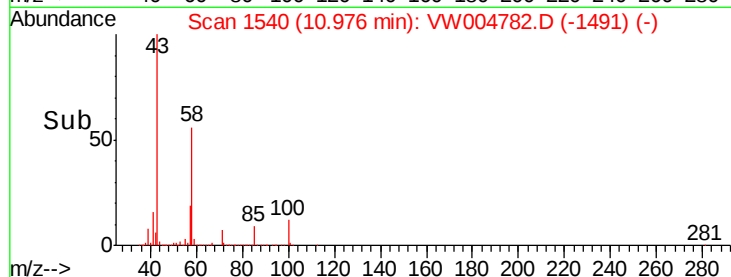
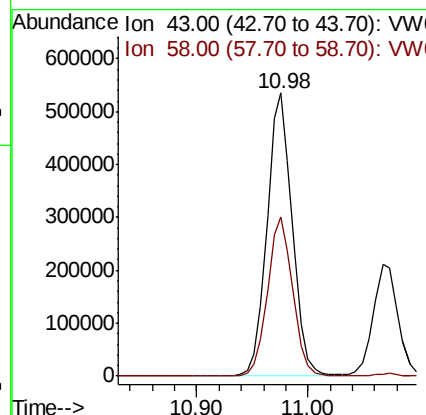
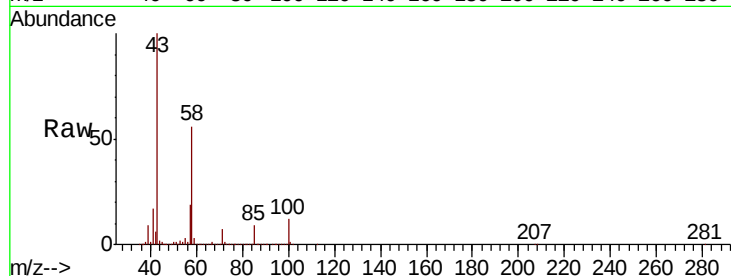




#59
2-Hexanone
Concen: 273.64 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

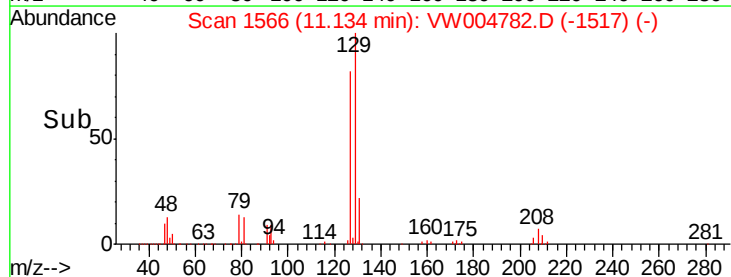
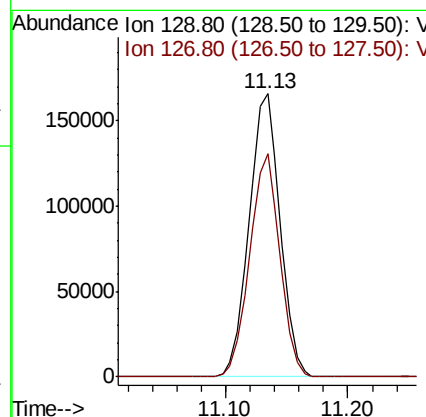
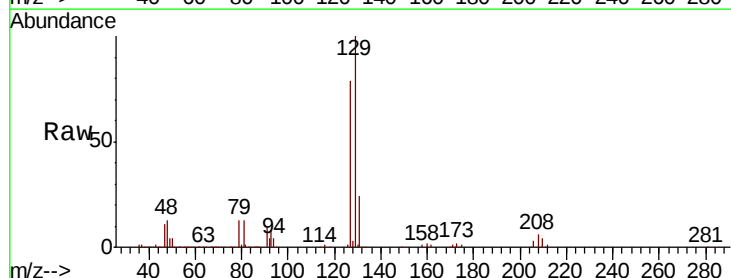
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

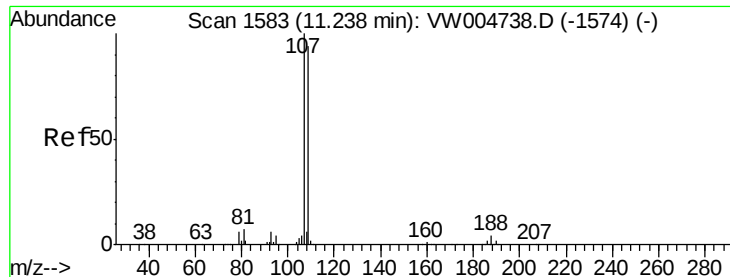
Tot Ion: 43 Resp: 843740
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.4



#60
Dibromochloromethane
Concen: 55.36 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 129 Resp: 292377
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

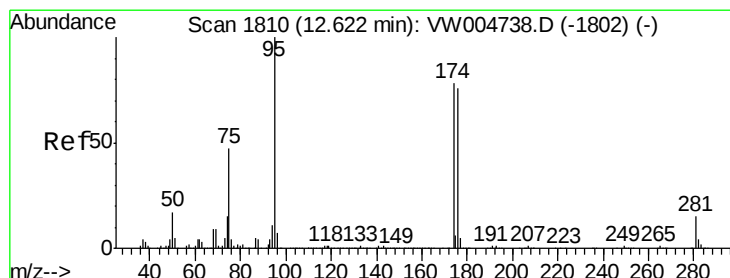
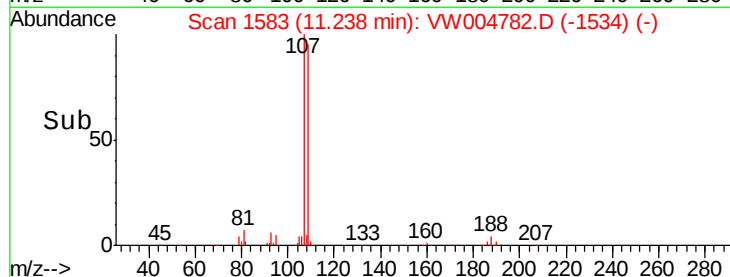
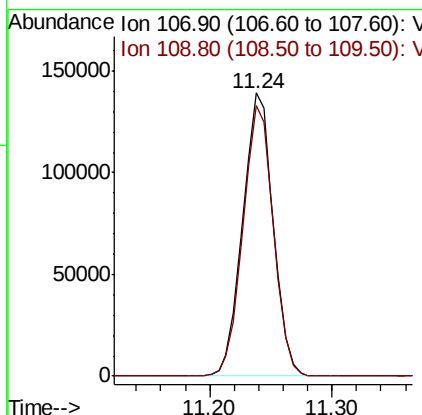
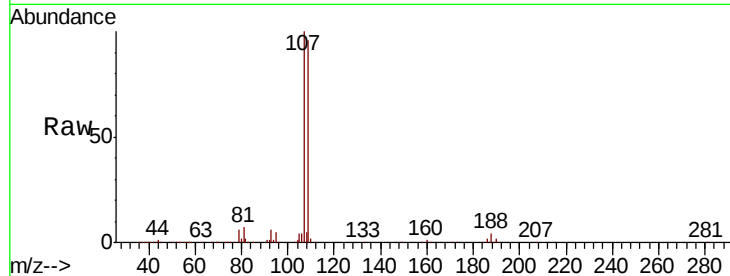




#61
 1,2-Dibromoethane
 Concen: 53.60 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

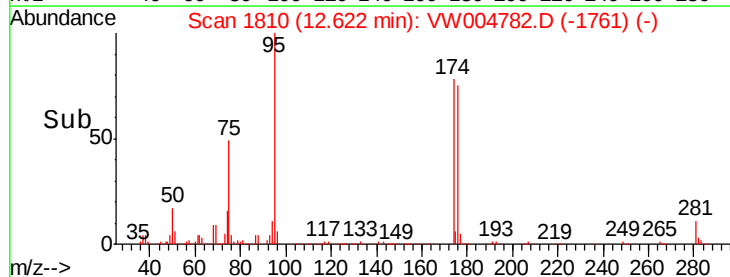
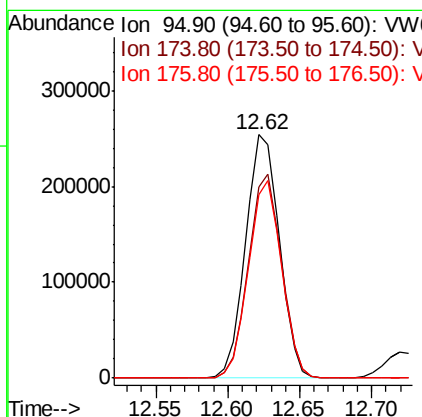
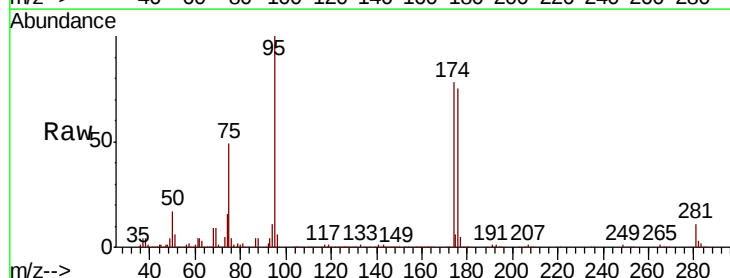
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

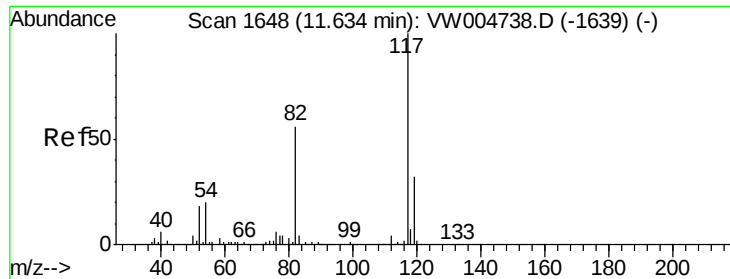
Tot Ion:107 Resp: 241210
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.26 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion: 95 Resp: 411814
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 165.8
 176 79.6 0.0 159.8

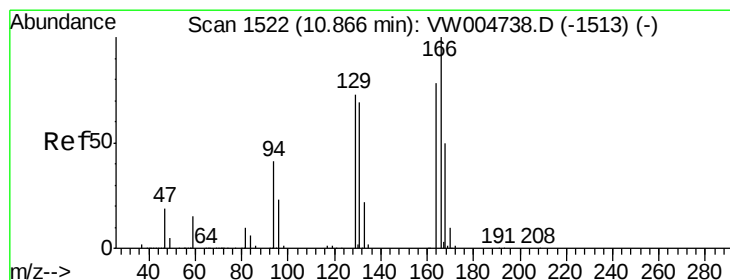
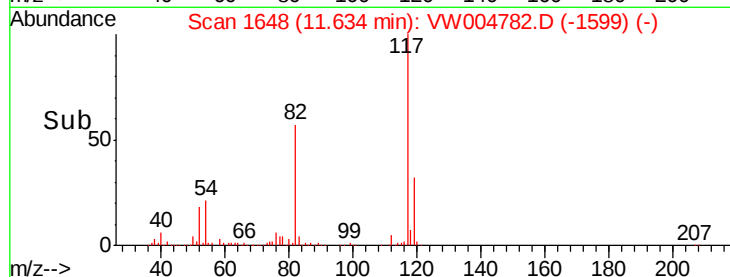
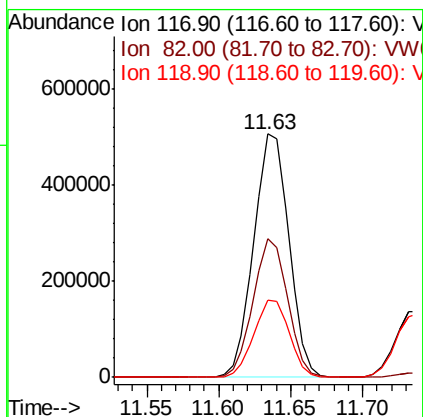
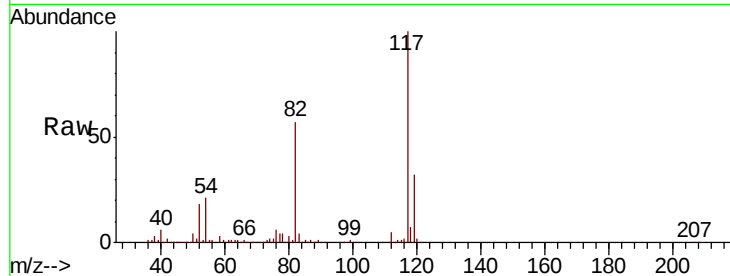




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

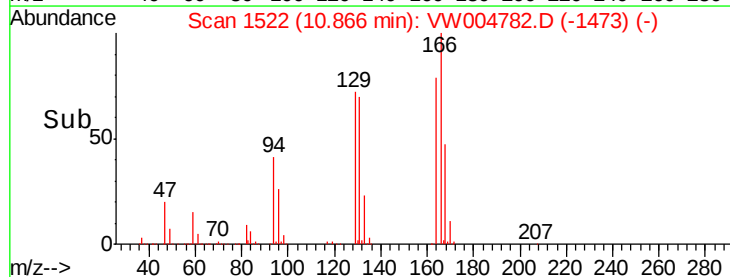
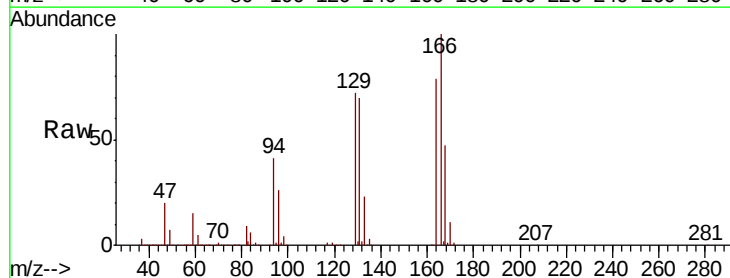
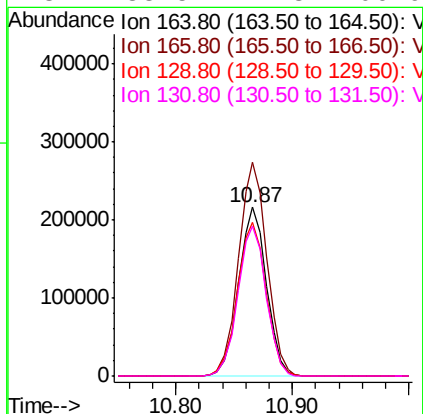
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

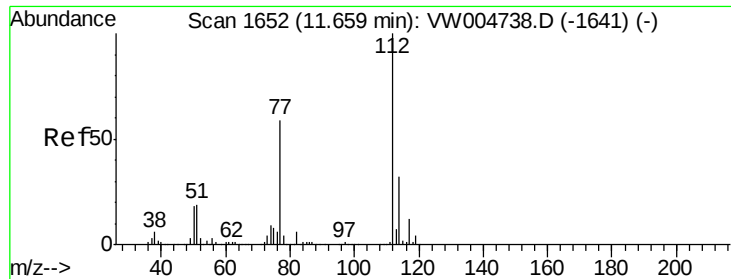
Tot Ion:117 Resp: 856695
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 61.43 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion:164 Resp: 359684
Ion Ratio Lower Upper
164 100
166 126.7 102.5 153.7
129 91.2 75.1 112.7
131 88.5 71.3 106.9

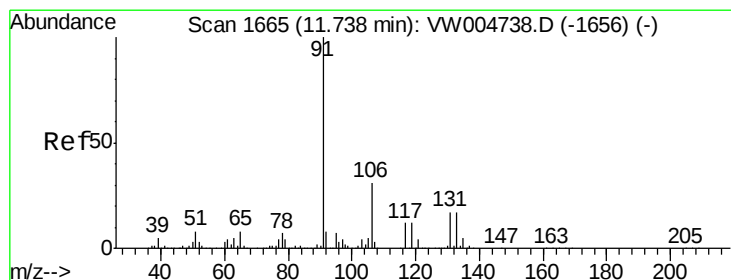
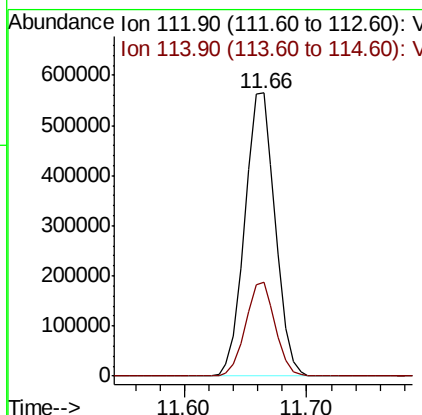
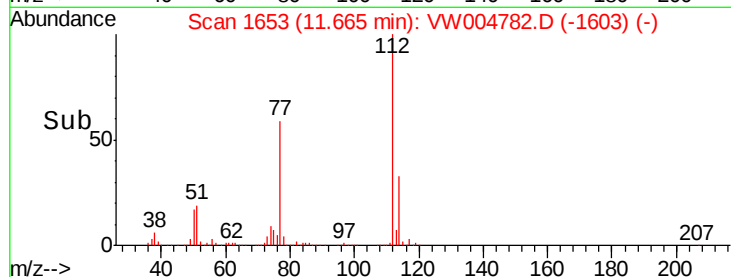
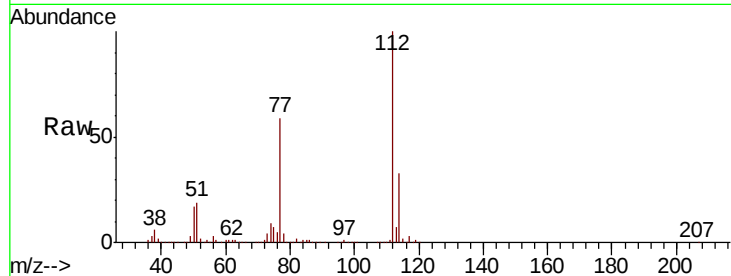




#65
Chlorobenzene
Concen: 52.88 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

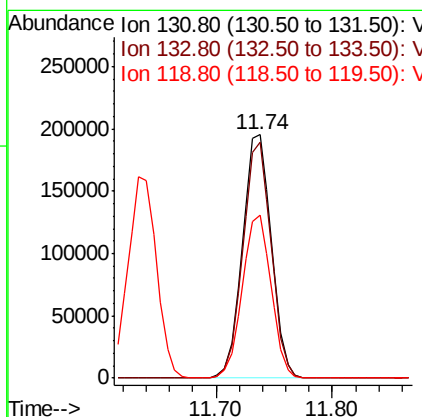
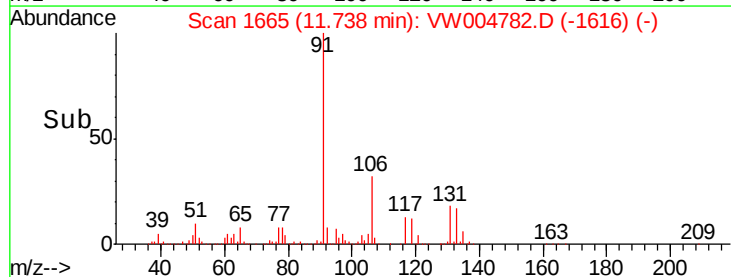
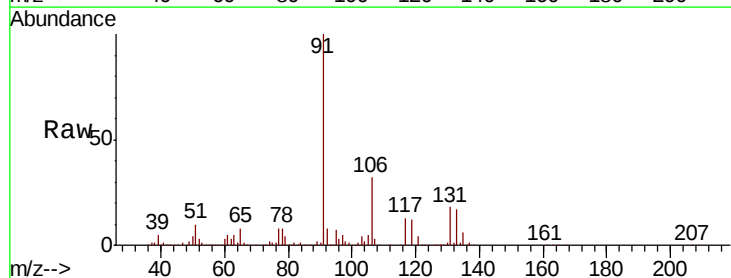
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

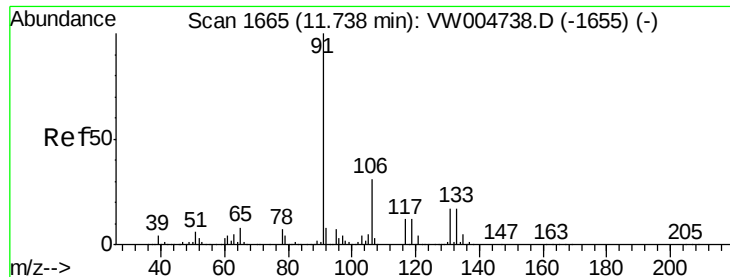
Tot Ion:112 Resp: 974955
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.37 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion:131 Resp: 338501
Ion Ratio Lower Upper
131 100
133 94.7 48.2 144.6
119 66.9 34.0 102.0

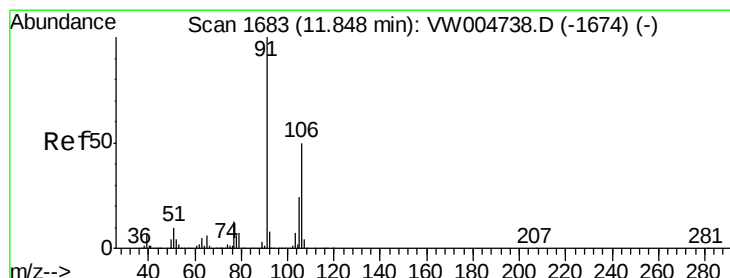
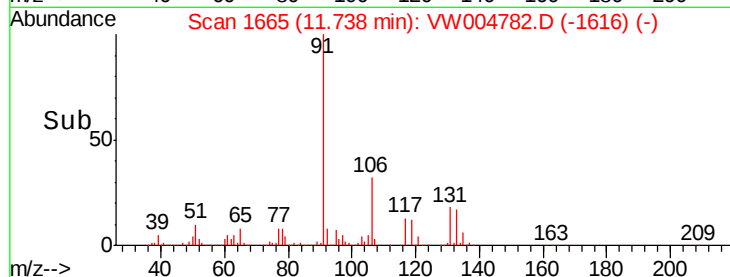
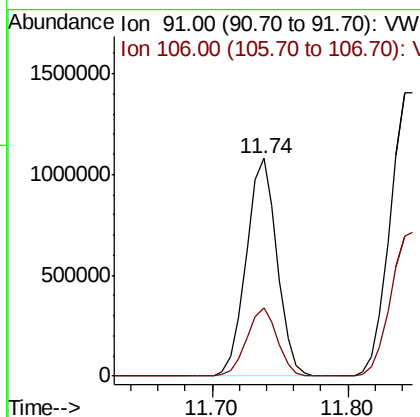
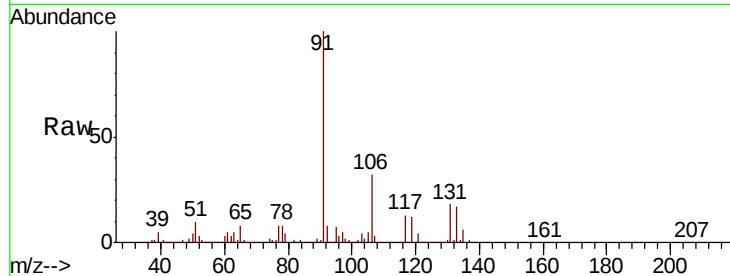




#67
Ethyl Benzene
Concen: 54.82 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

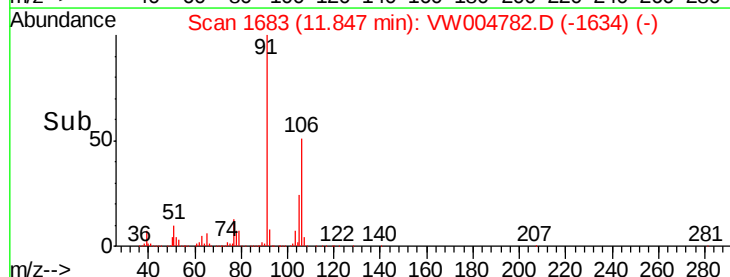
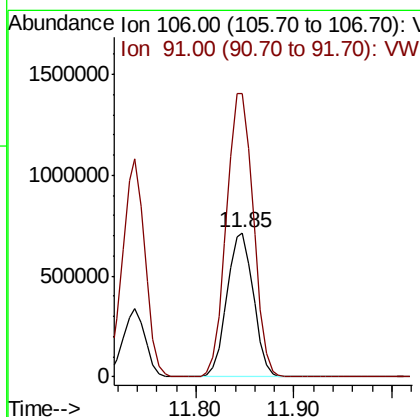
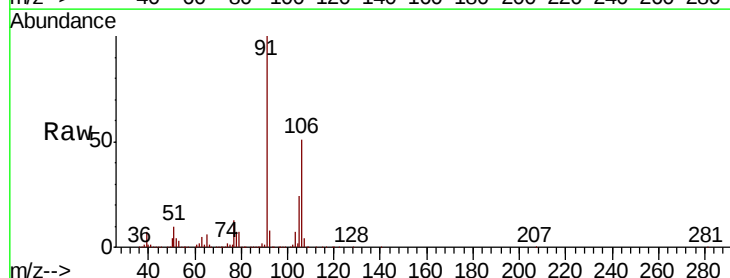
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

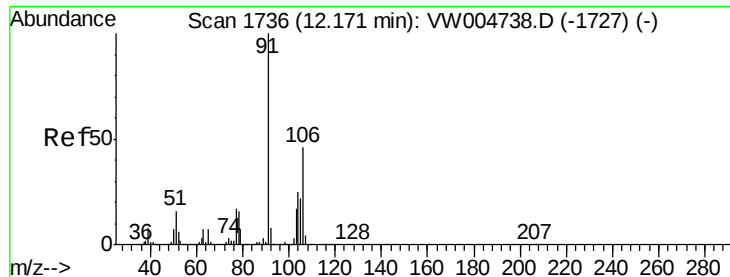
Tot Ion: 91 Resp: 1713678
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 110.12 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion: 106 Resp: 1339238
Ion Ratio Lower Upper
106 100
91 199.9 159.9 239.9

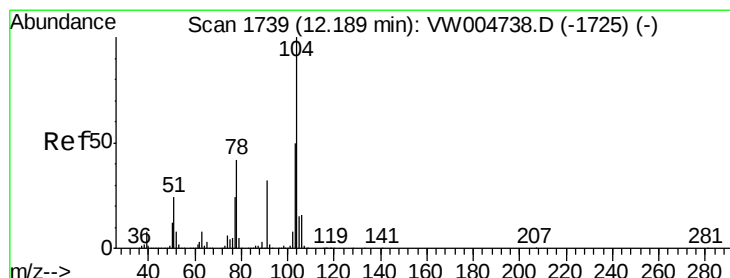
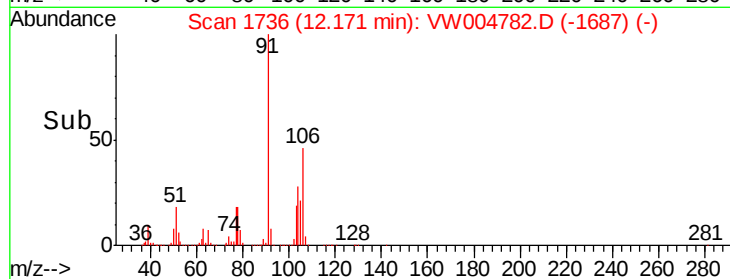
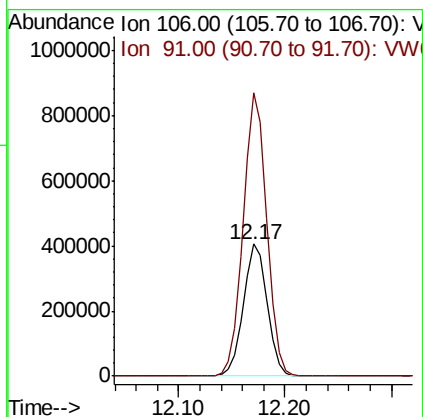
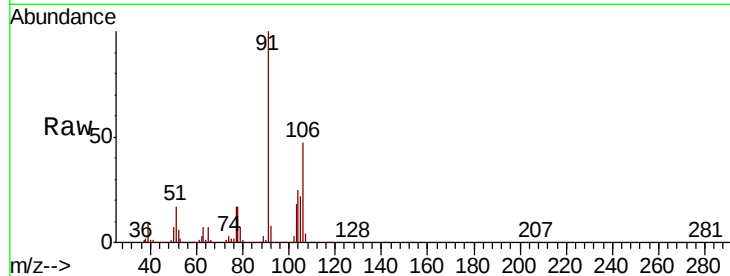




#69
o-Xylene
Concen: 56.50 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

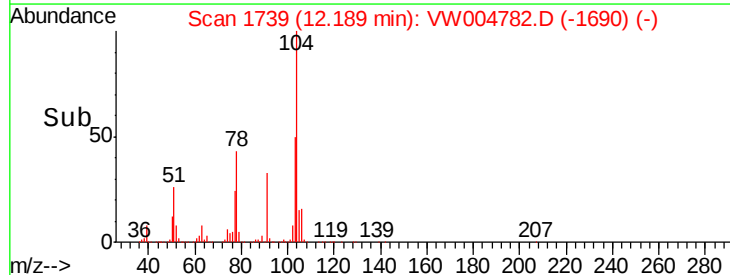
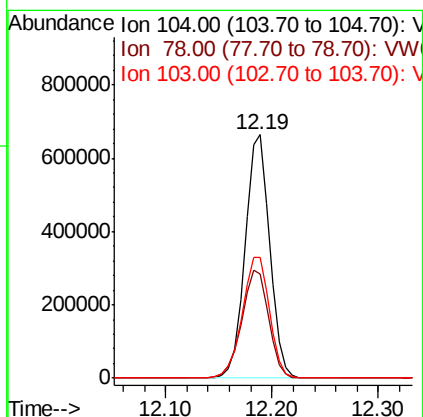
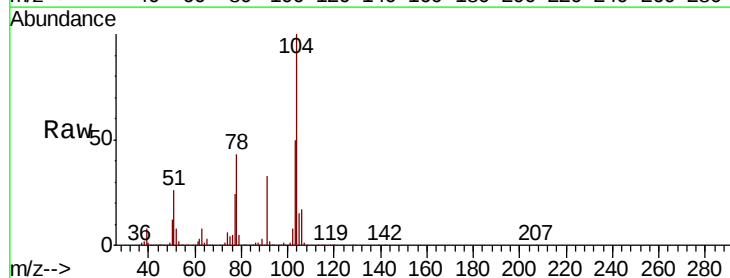
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

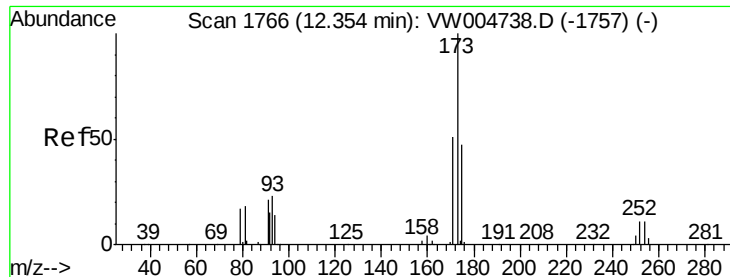
Tot Ion:106 Resp: 636057
Ion Ratio Lower Upper
106 100
91 212.3 107.3 321.8



#70
Styrene
Concen: 57.01 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion:104 Resp: 1078184
Ion Ratio Lower Upper
104 100
78 48.6 38.4 57.6
103 55.0 44.1 66.1





#71

Bromoform

Concen: 53.74 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

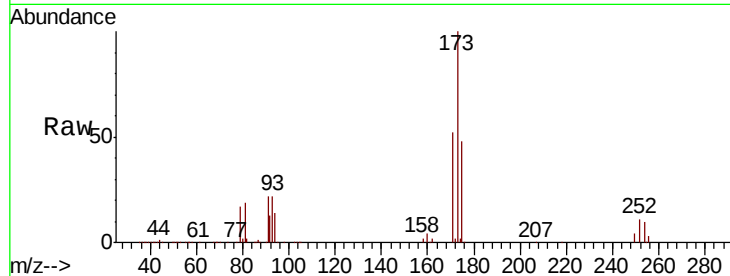
Tot Ion:173 Resp: 176585

Ion Ratio Lower Upper

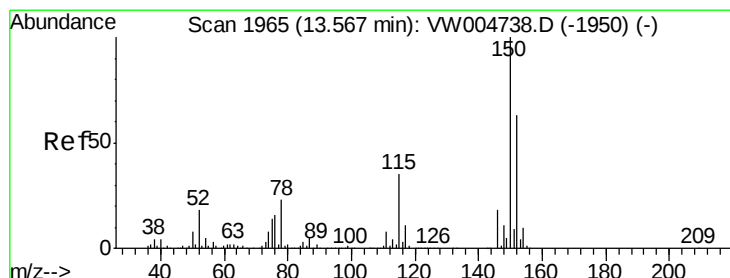
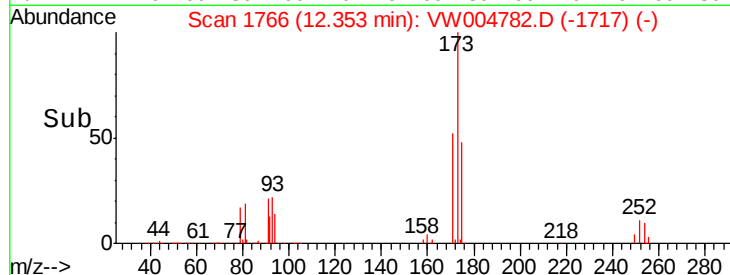
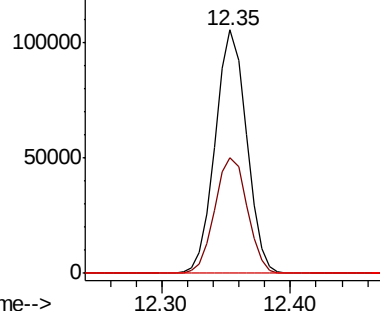
173 100

175 49.3 23.8 71.4

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

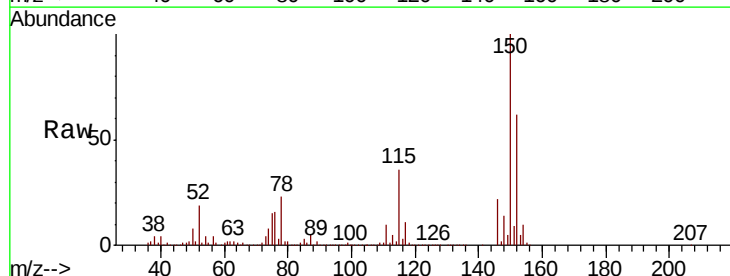
Tgt Ion:152 Resp: 449251

Ion Ratio Lower Upper

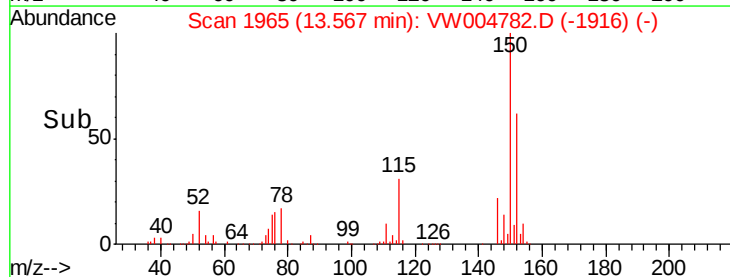
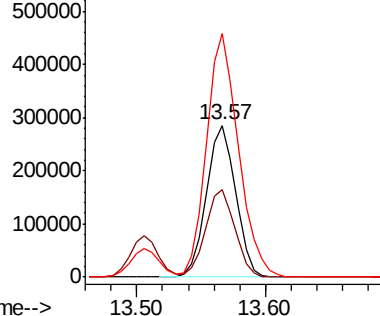
152 100

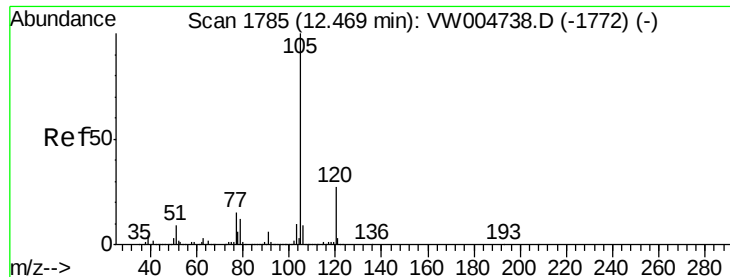
115 57.9 28.5 85.5

150 175.4 0.0 344.8



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





#73

Isopropylbenzene

Concen: 56.17 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

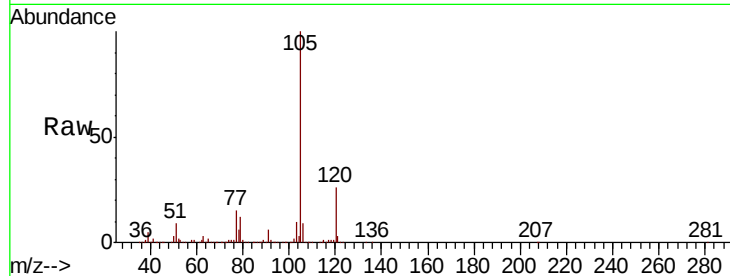
VSTDCCC050EC

Tot Ion:105 Resp: 1716642

Ion Ratio Lower Upper

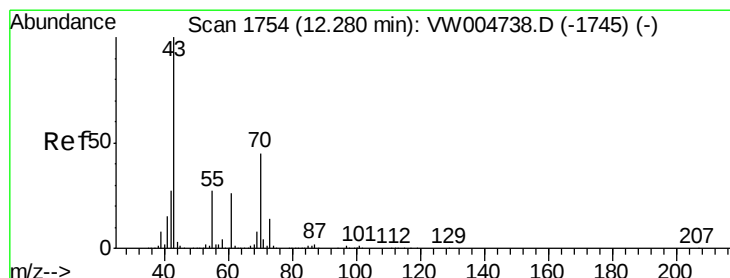
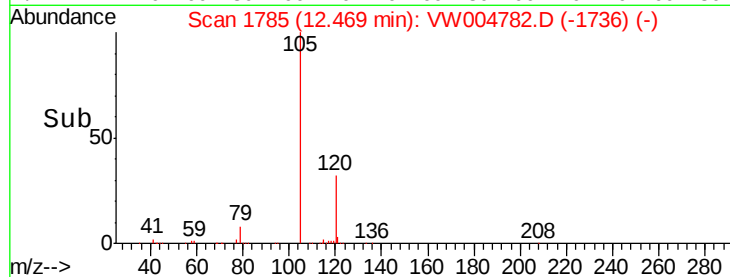
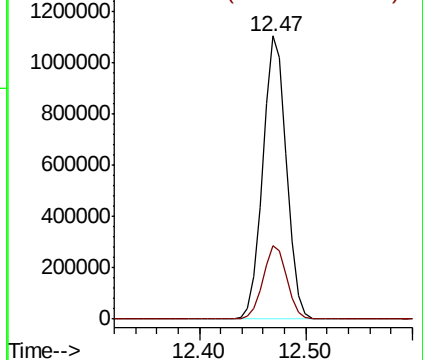
105 100

120 26.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.93 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Tgt Ion: 43 Resp: 357357

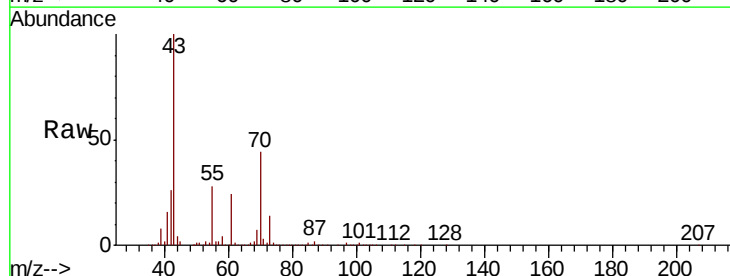
Ion Ratio Lower Upper

43 100

70 44.5 36.3 54.5

55 29.3 22.6 33.8

61 24.5 20.2 30.4

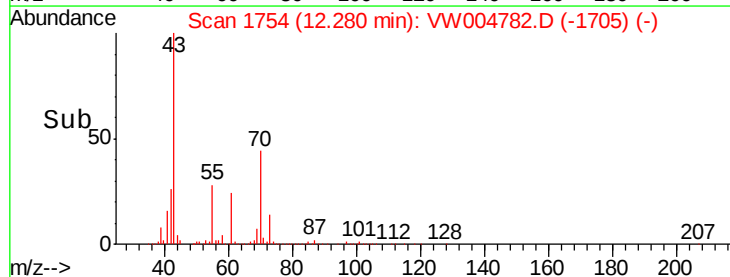
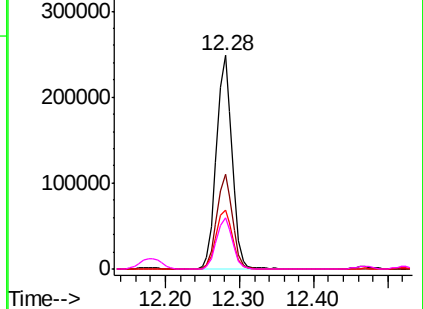


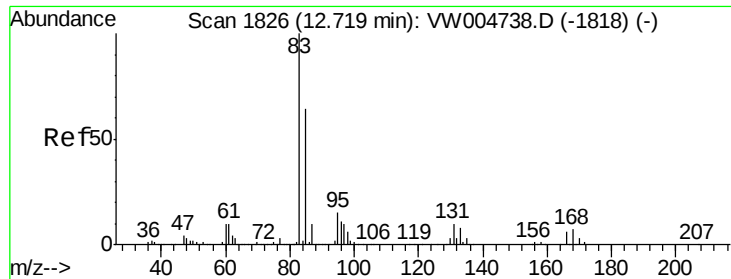
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 53.54 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

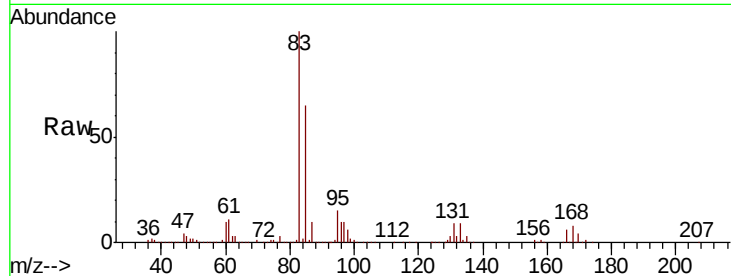
Tot Ion: 83 Resp: 303137

Ion Ratio Lower Upper

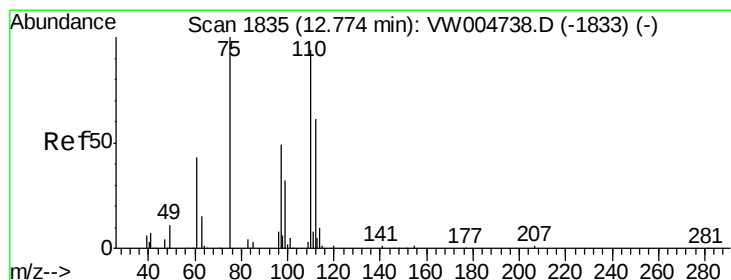
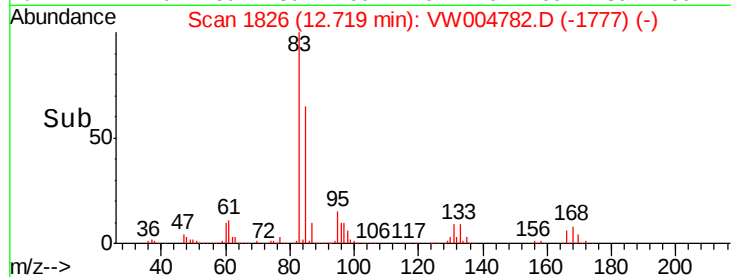
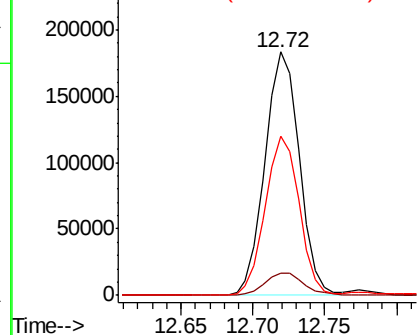
83 100

131 10.4 5.3 15.8

85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 96.07 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004782.D

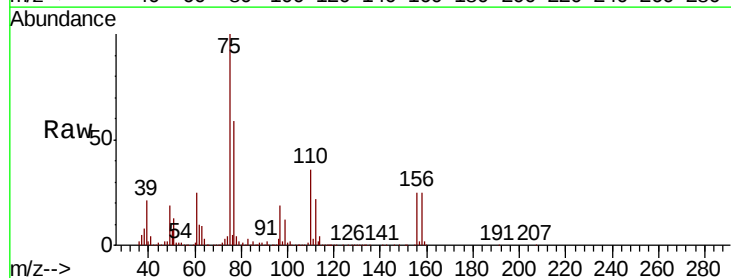
Acq: 18 Aug 2018 14:39

Tgt Ion: 75 Resp: 380472

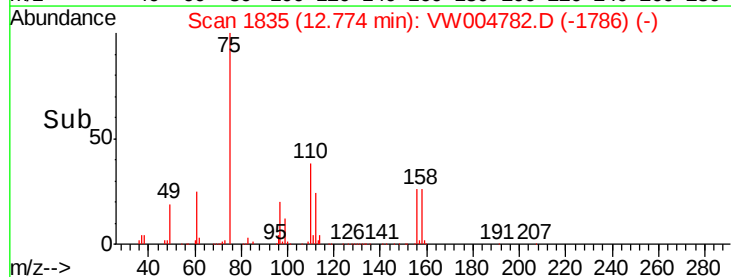
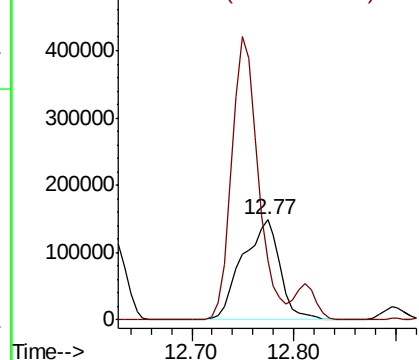
Ion Ratio Lower Upper

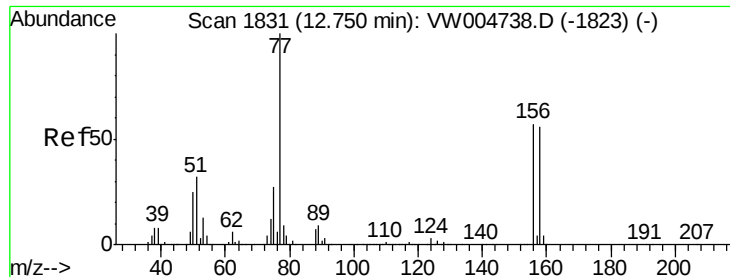
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.36 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

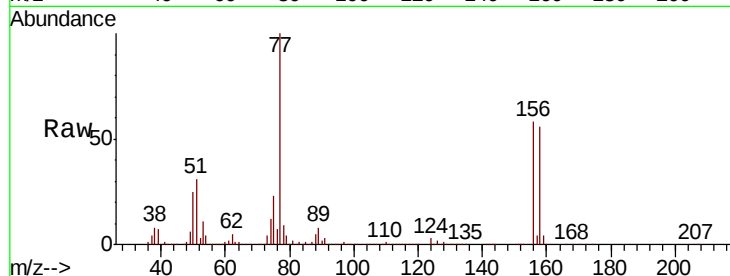
Tot Ion:156 Resp: 409557

Ion Ratio Lower Upper

156 100

77 184.4 94.2 282.4

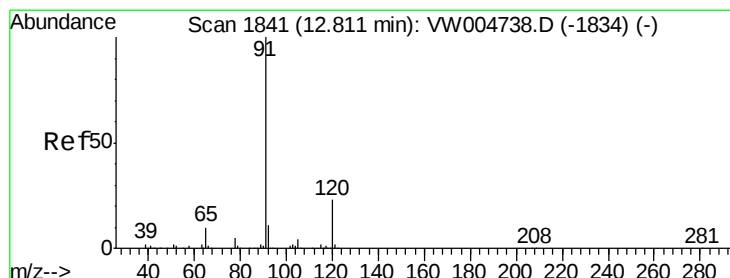
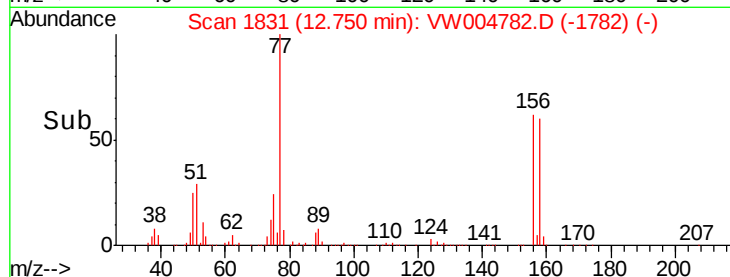
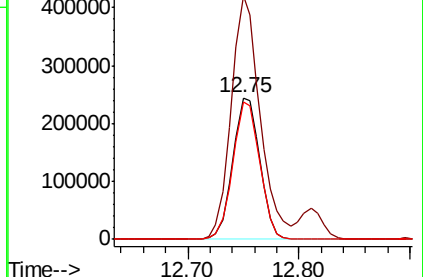
158 96.8 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.70 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004782.D

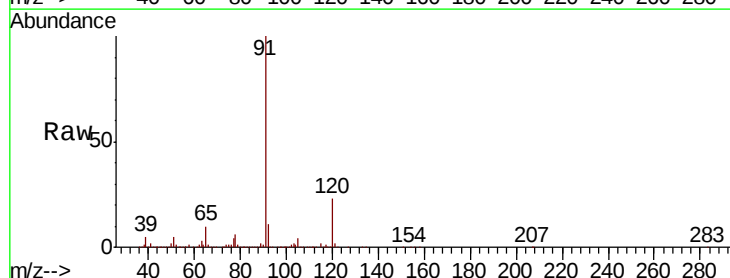
Acq: 18 Aug 2018 14:39

Tgt Ion: 91 Resp: 2077478

Ion Ratio Lower Upper

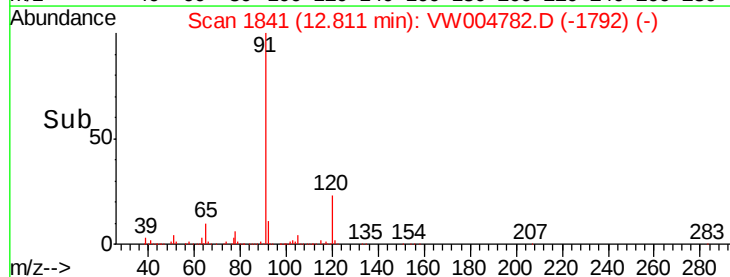
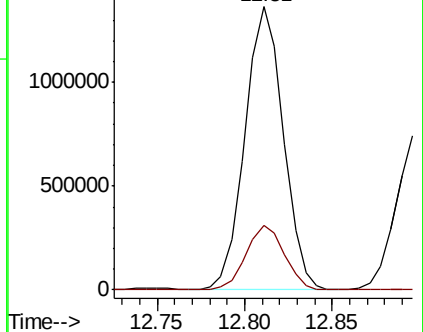
91 100

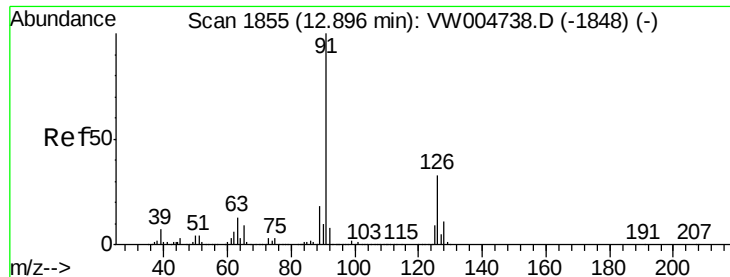
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.85 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

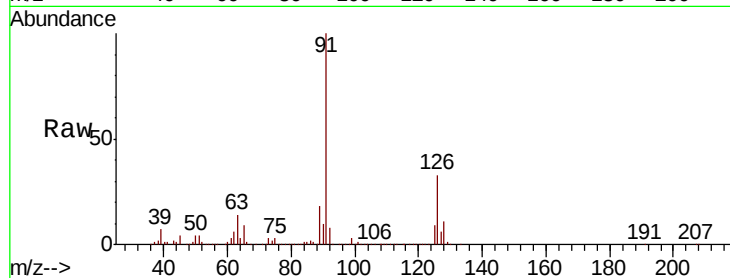
VSTDCCC050EC

Tot Ion: 91 Resp: 1200550

Ion Ratio Lower Upper

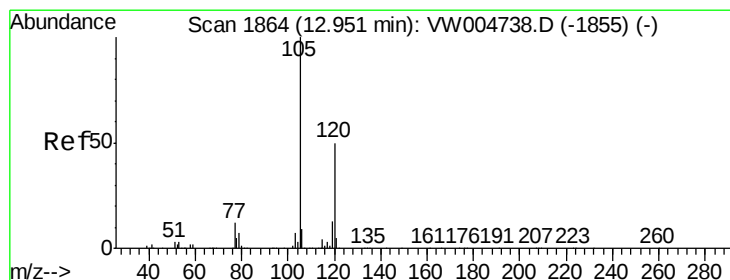
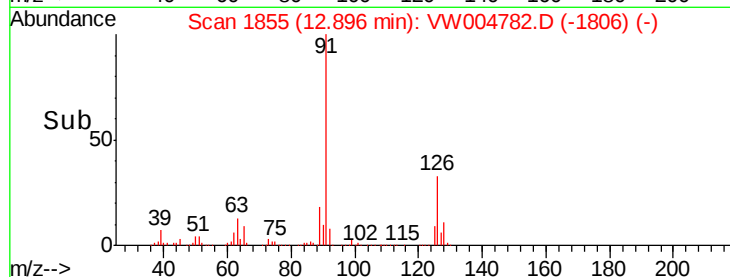
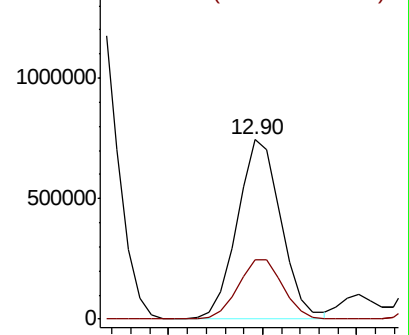
91 100

126 33.8 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: 56.75 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004782.D

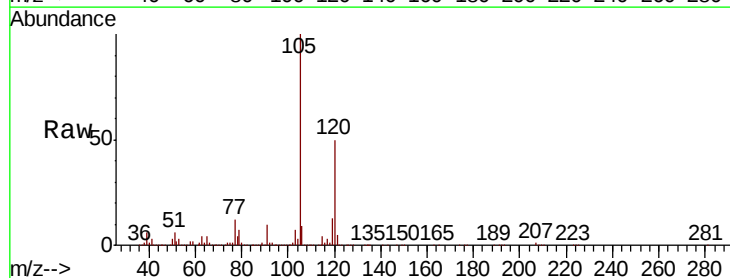
Acq: 18 Aug 2018 14:39

Tgt Ion:105 Resp: 1473576

Ion Ratio Lower Upper

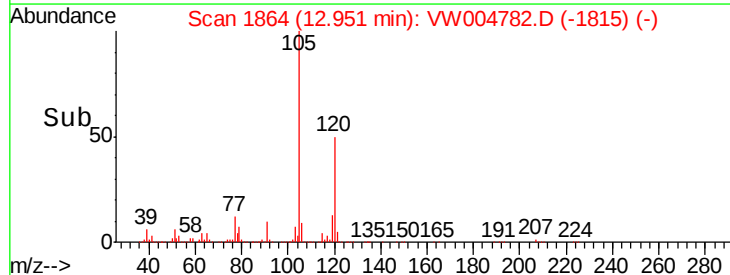
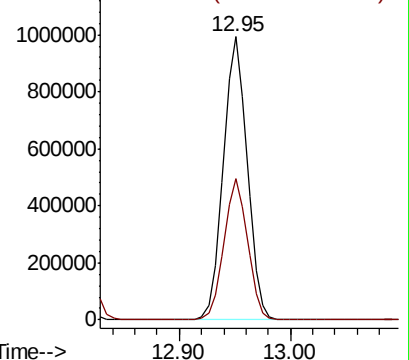
105 100

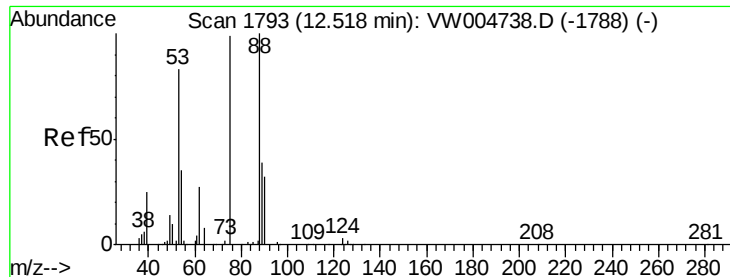
120 49.5 24.7 74.1



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: 46.07 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

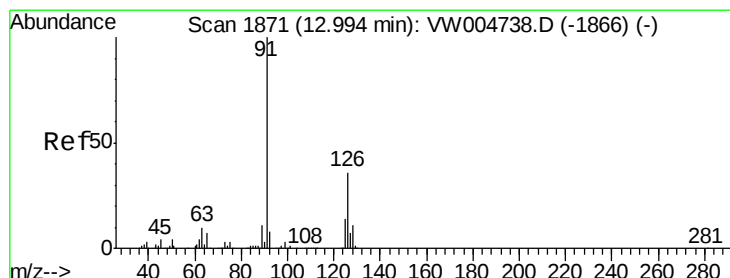
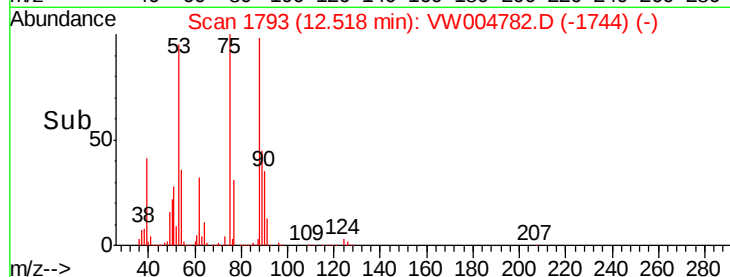
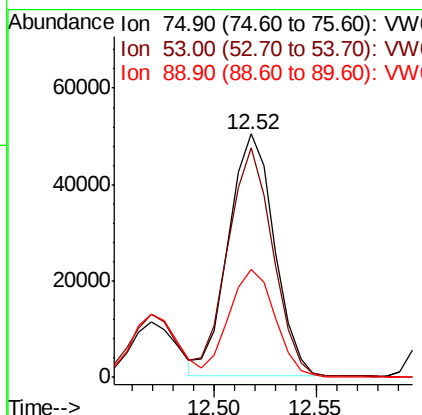
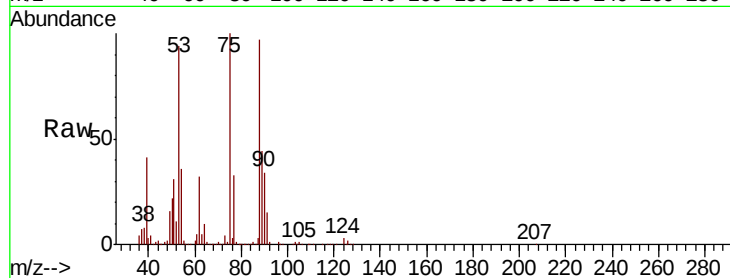
Tot Ion: 75 Resp: 78502

Ion Ratio Lower Upper

75 100

53 94.2 72.2 108.4

89 44.6 35.2 52.8



#82

4-Chlorotoluene

Concen: 55.65 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004782.D

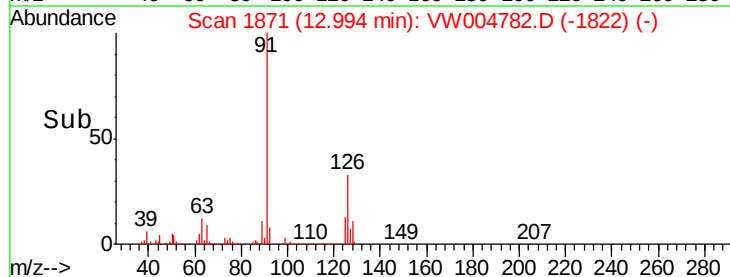
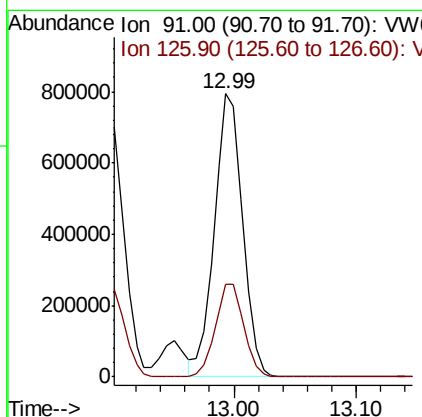
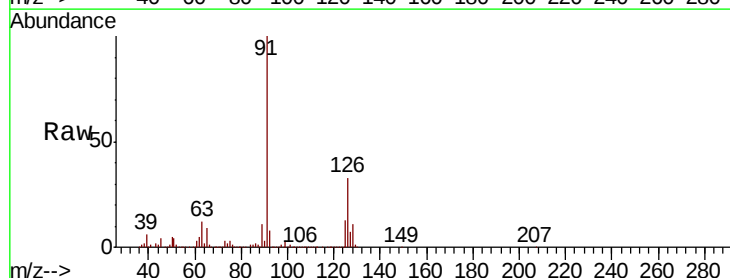
Acq: 18 Aug 2018 14:39

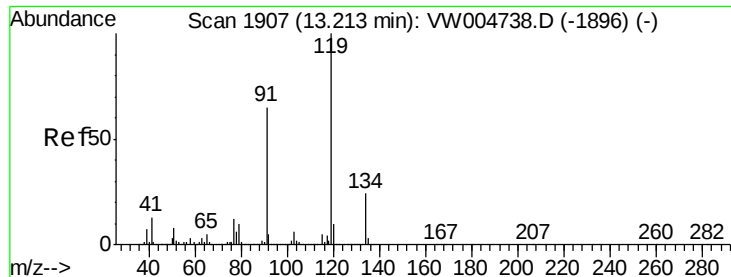
Tgt Ion: 91 Resp: 1271198

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.7

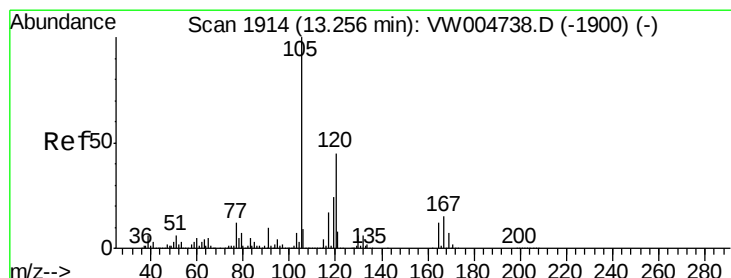
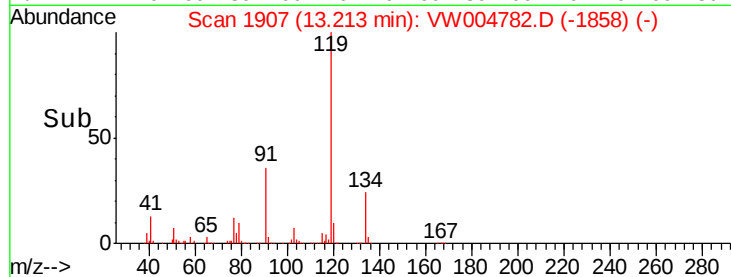
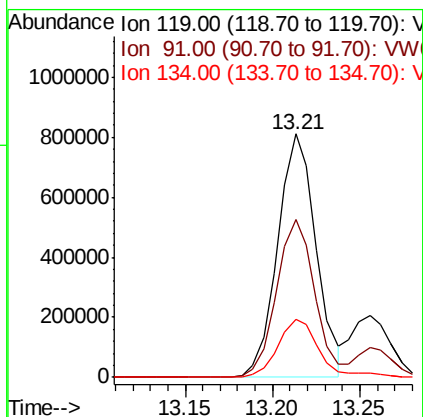
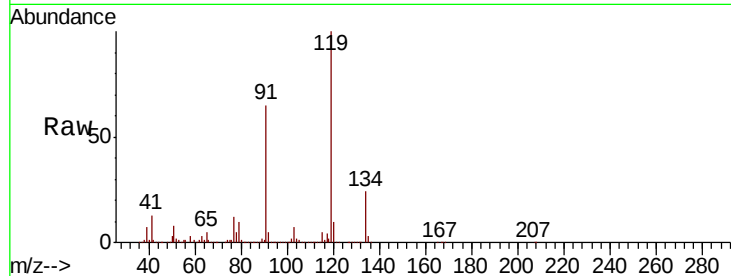




#83
 tert-Butylbenzene
 Concen: 56.06 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

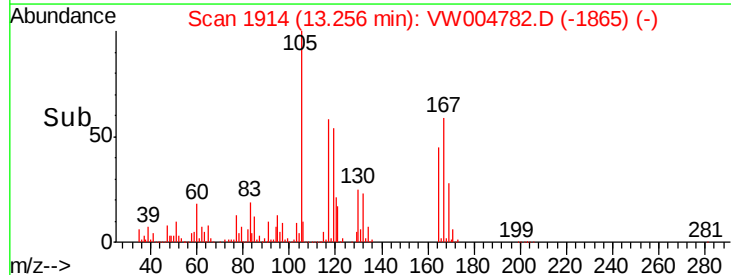
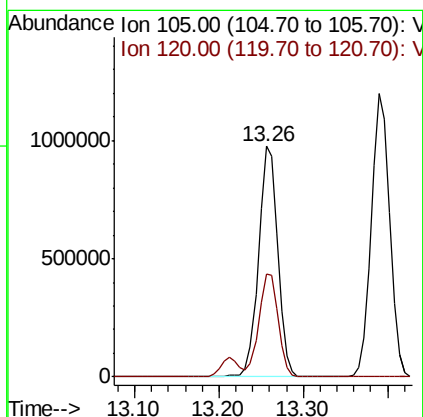
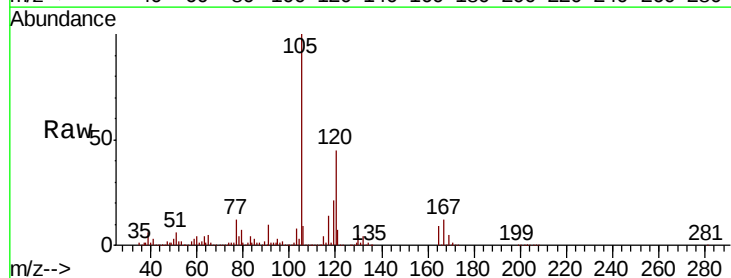
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

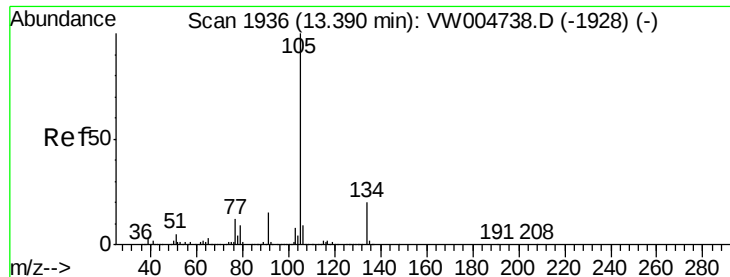
Tot Ion:119 Resp: 1244990
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.6 97.8
 134 25.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 57.03 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion:105 Resp: 1523378
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.3





#85

sec-Butylbenzene

Concen: 54.85 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

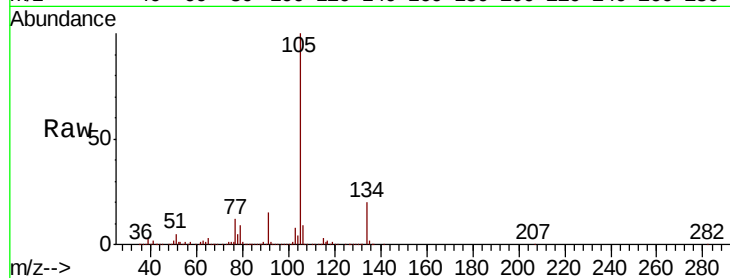
VSTDCCC050EC

Tot Ion:105 Resp: 1818789

Ion Ratio Lower Upper

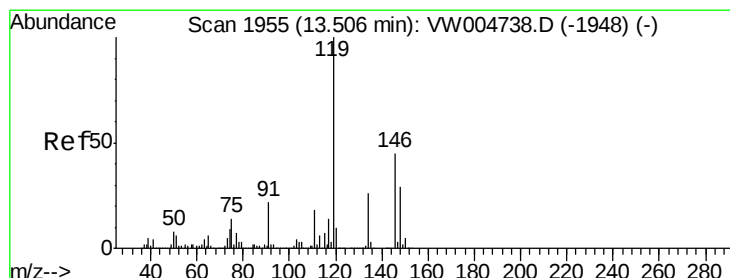
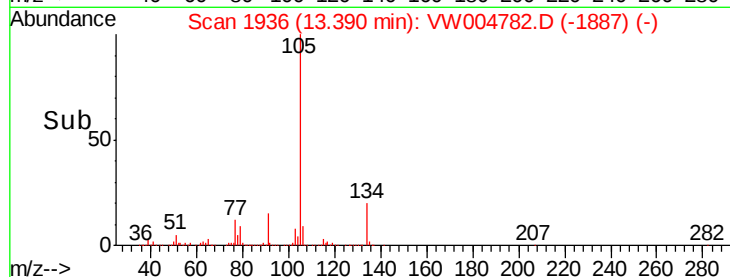
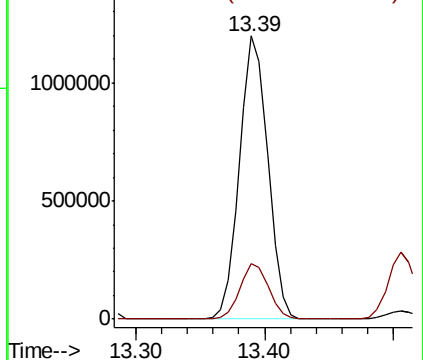
105 100

134 19.8 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.75 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

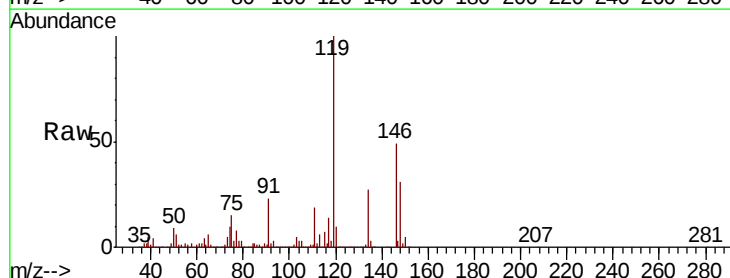
Tgt Ion:119 Resp: 1579531

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

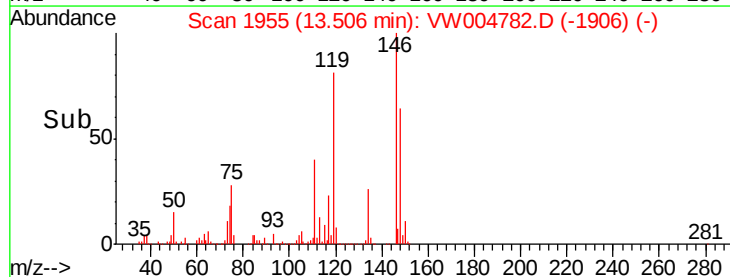
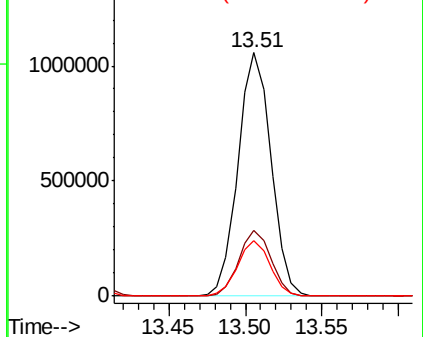
91 22.6 11.2 33.5

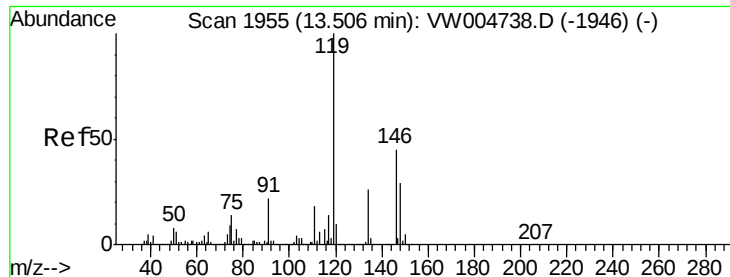


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW





#87

1,3-Dichlorobenzene

Concen: 54.40 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

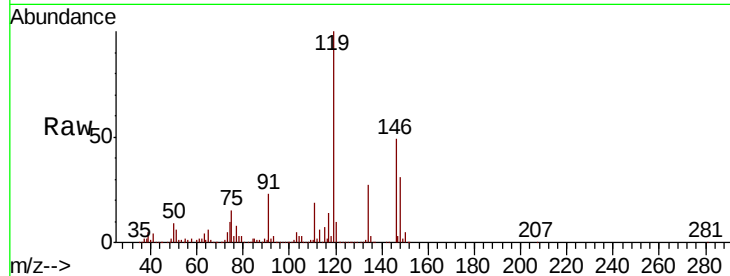
Tot Ion:146 Resp: 818653

Ion Ratio Lower Upper

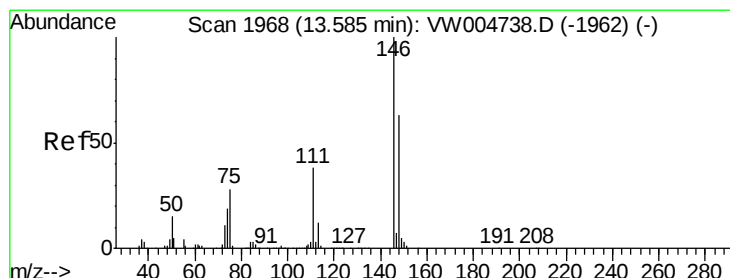
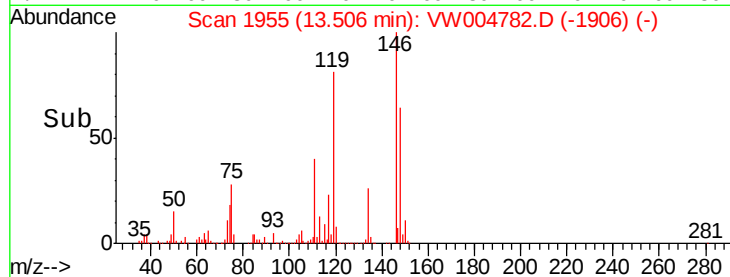
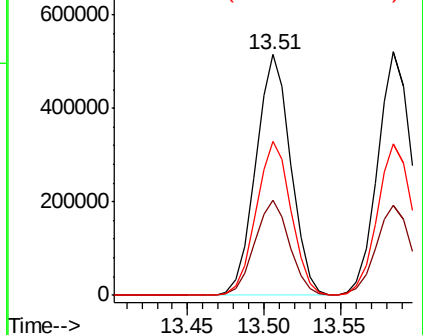
146 100

111 39.2 19.8 59.4

148 63.9 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 53.55 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

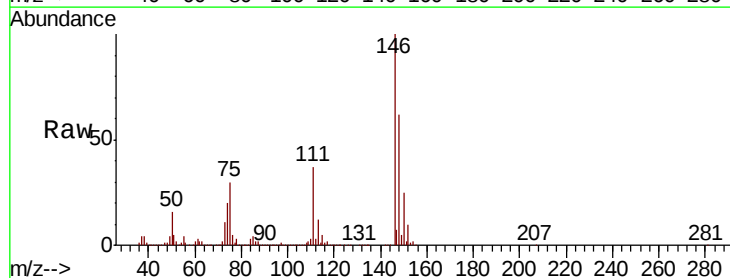
Tgt Ion:146 Resp: 805433

Ion Ratio Lower Upper

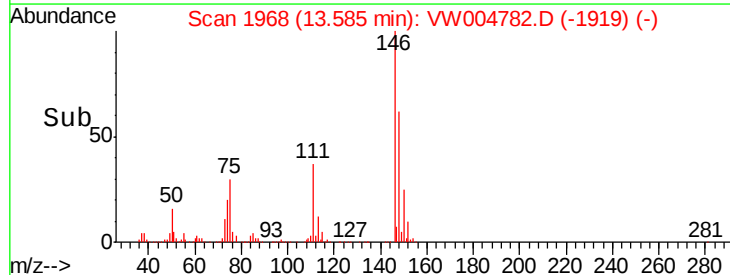
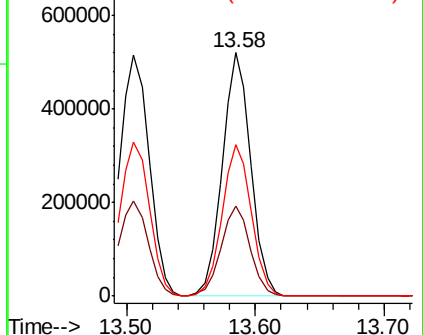
146 100

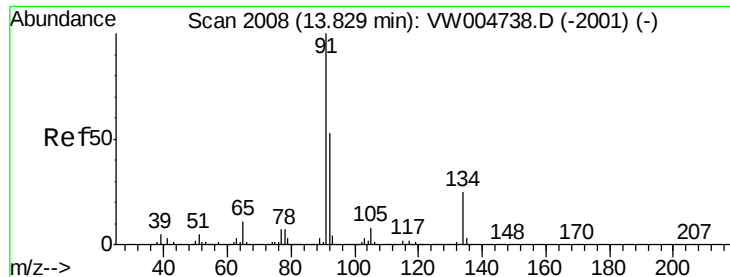
111 38.0 19.3 57.8

148 63.8 31.8 95.3



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





#89

n-Butylbenzene

Concen: 52.31 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004782.D

Acq: 18 Aug 2018 14:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

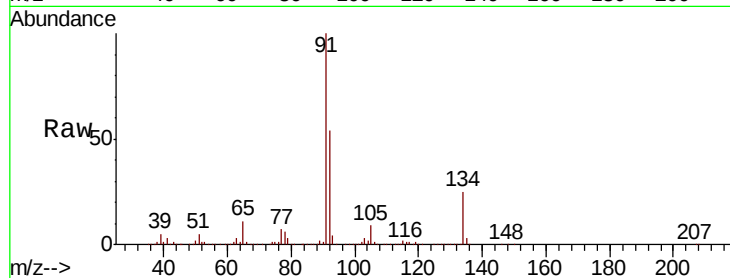
Tot Ion: 91 Resp: 1459105

Ion Ratio Lower Upper

91 100

92 53.5 26.4 79.2

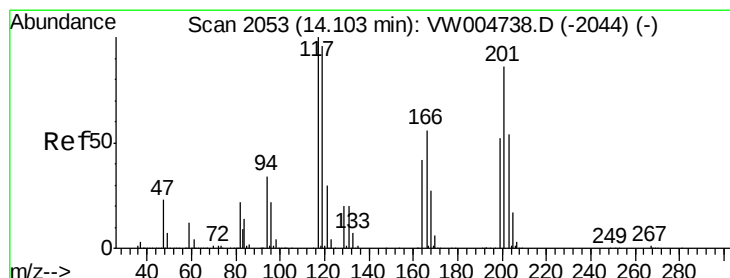
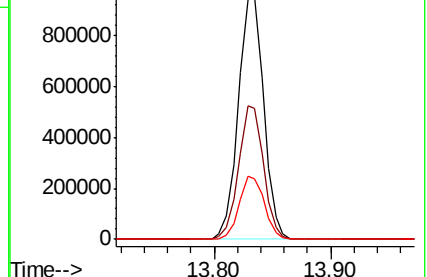
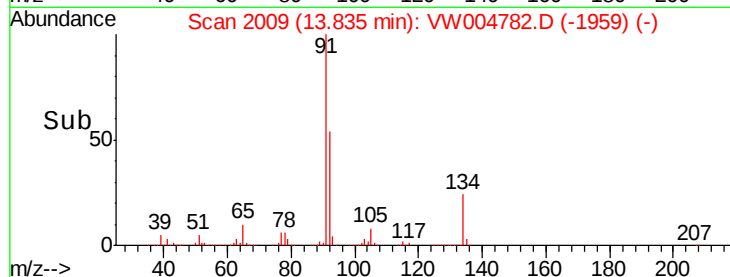
134 25.8 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.23 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004782.D

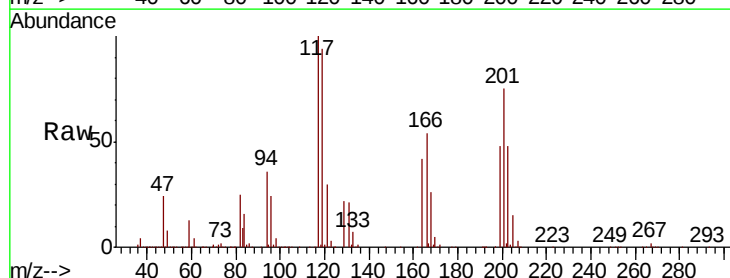
Acq: 18 Aug 2018 14:39

Tgt Ion: 117 Resp: 285168

Ion Ratio Lower Upper

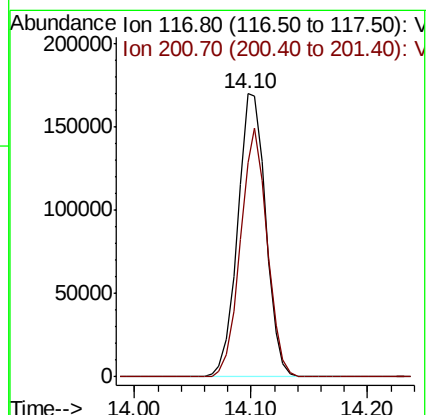
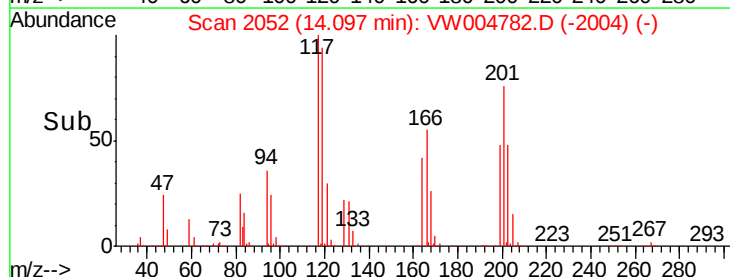
117 100

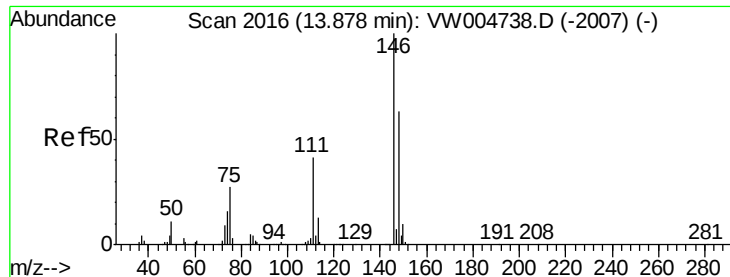
201 83.4 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

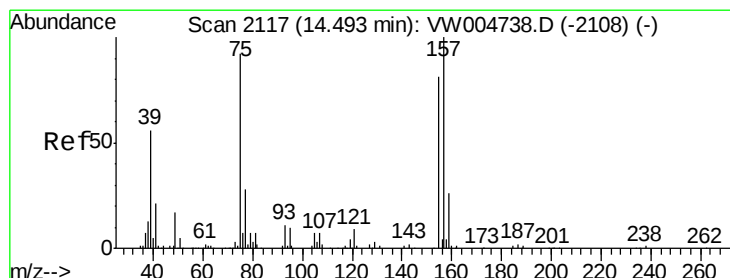
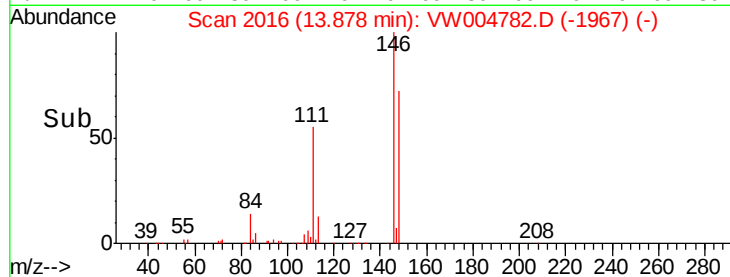
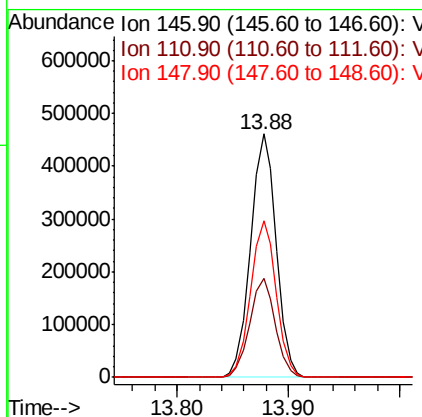
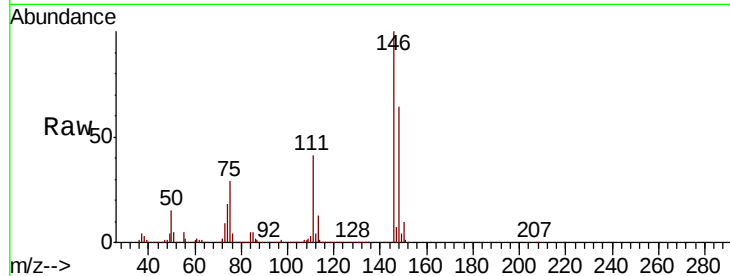




#91
 1,2-Dichlorobenzene
 Concen: 54.55 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

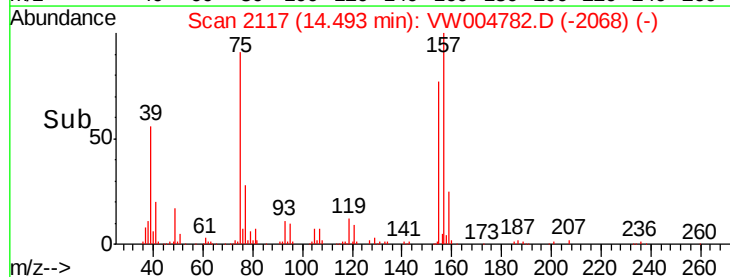
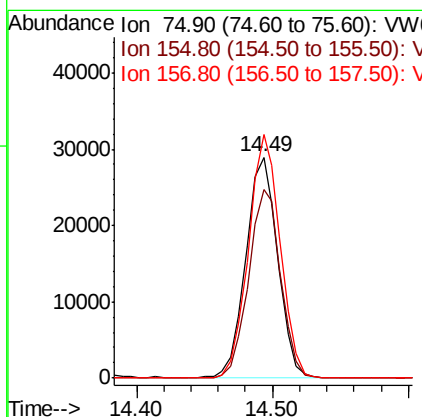
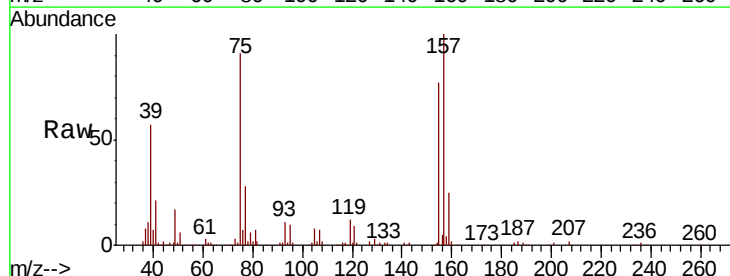
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

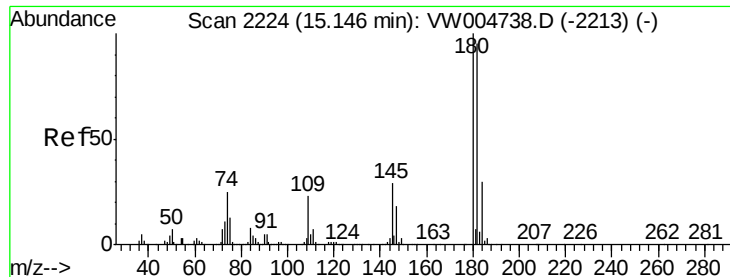
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.75 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.3	129.9
157	109.3	54.5	163.6

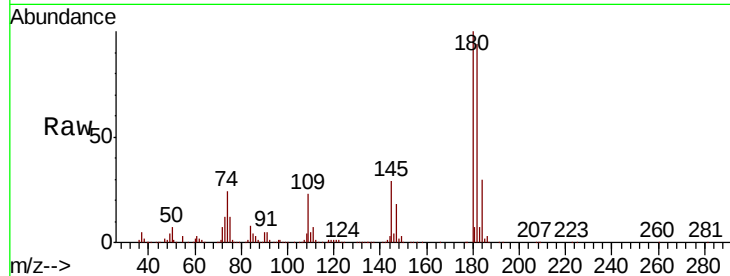




#93
 1,2,4-Trichlorobenzene
 Concen: 54.24 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	29.6	14.6	43.8

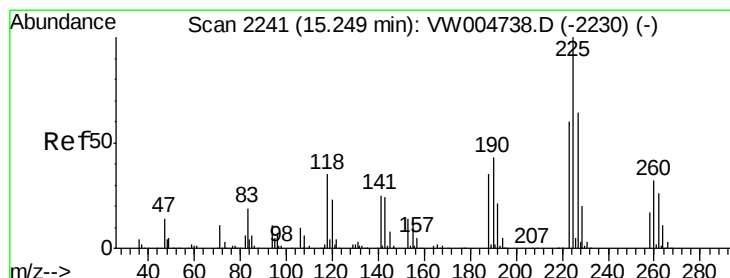
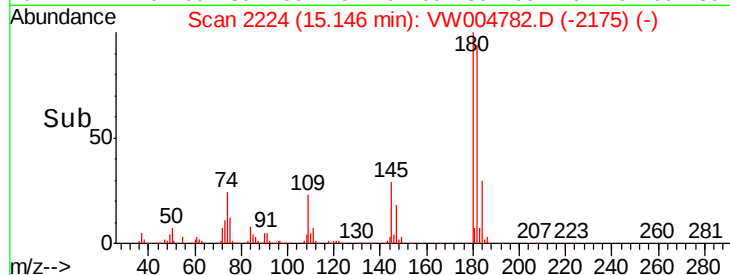
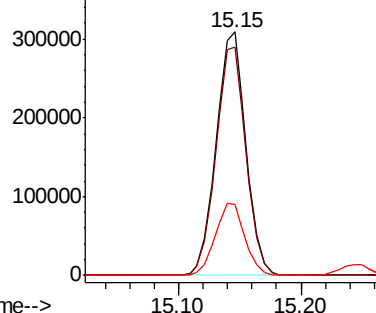


Abundance

Ion 179.80 (179.50 to 180.50): V

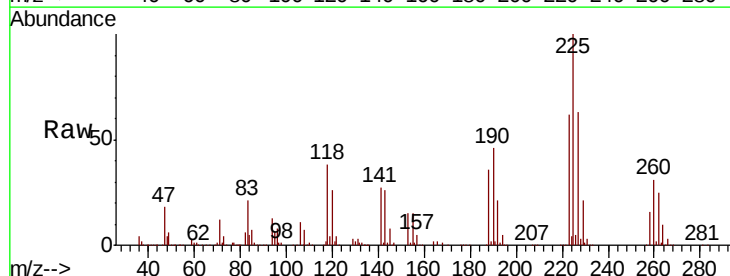
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.29 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004782.D
 Acq: 18 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.5
227	64.1	32.0	96.0

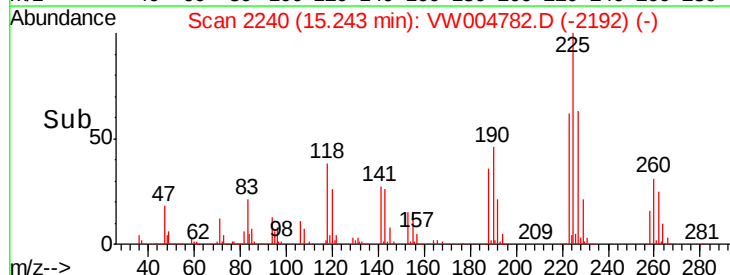
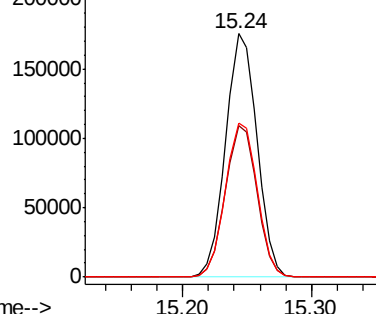


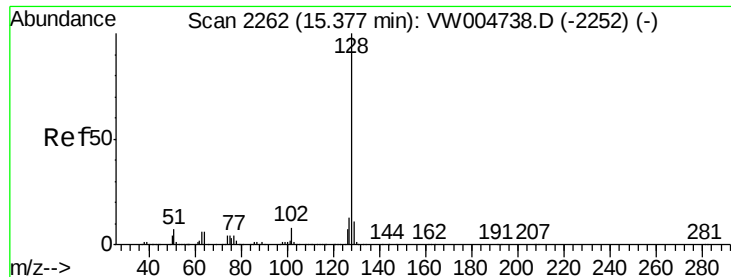
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

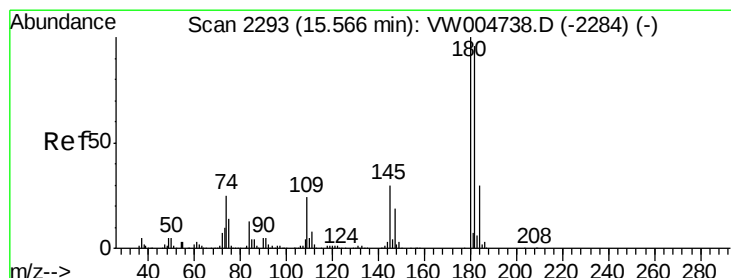
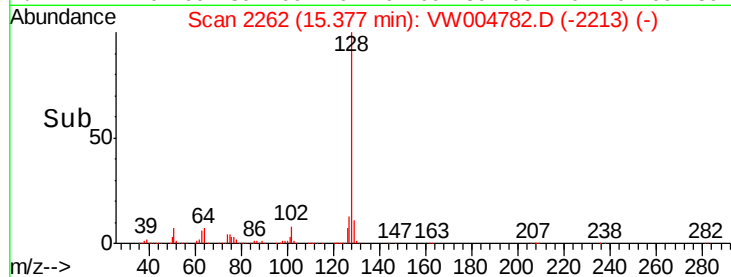
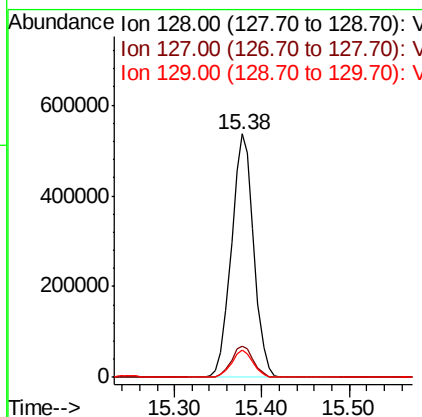
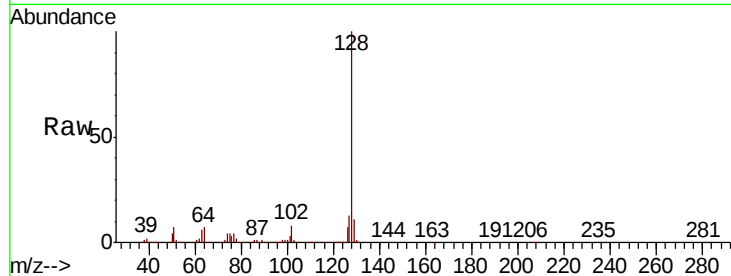




#95
Naphthalene
Concen: 51.10 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 947927
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.46 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004782.D
Acq: 18 Aug 2018 14:39

Tgt Ion:180 Resp: 470123
Ion Ratio Lower Upper
180 100
182 96.0 47.3 142.0
145 31.1 15.4 46.1

