

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004805.D
 Acq On : 20 Aug 2018 21:19
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 00:59:11 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	670668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1030756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	961155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	501644	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	323273	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.88	113	331325	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.33	98	1293443	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.62	95	469171	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	203824	45.881	ug/l	96
3) Chloromethane	2.22	50	259534	44.683	ug/l	100
4) Vinyl Chloride	2.37	62	444963	52.045	ug/l	99
5) Bromomethane	2.78	94	276274	52.323	ug/l	100
6) Chloroethane	2.93	64	274731	53.255	ug/l	99
7) Trichlorofluoromethane	3.26	101	232719	57.779	ug/l	96
8) Diethyl Ether	3.68	74	193240	53.064	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	363625	52.428	ug/l	100
10) Methyl Iodide	4.26	142	570499	54.162	ug/l	99
11) Tert butyl alcohol	5.22	59	93413	257.869	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	359121	51.961	ug/l	98
13) Acrolein	3.90	56	118613	244.002	ug/l	98
14) Allyl chloride	4.67	41	568676	54.219	ug/l	100
15) Acrylonitrile	5.38	53	411665	269.553	ug/l	100
16) Acetone	4.14	43	405732	245.124	ug/l	99
17) Carbon Disulfide	4.38	76	1187237	52.271	ug/l	99
18) Methyl Acetate	4.68	43	195646	55.158	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	512766	57.154	ug/l	98
20) Methylene Chloride	4.91	84	413362	55.140	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	391977	53.304	ug/l	98
22) Diisopropyl ether	6.31	45	1159438	57.513	ug/l	99
23) Vinyl Acetate	6.26	43	3225576	282.874	ug/l	99
24) 1,1-Dichloroethane	6.21	63	703405	53.693	ug/l	99
25) 2-Butanone	7.18	43	614696	260.645	ug/l	99
26) 2,2-Dichloropropane	7.17	77	391869	51.789	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	429769	54.287	ug/l	100
28) Bromochloromethane	7.51	49	285789	51.804	ug/l	99
29) Tetrahydrofuran	7.54	42	329700	274.159	ug/l	99
30) Chloroform	7.68	83	683442	53.044	ug/l	99
31) Cyclohexane	7.96	56	654685	51.666	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	548810	53.735	ug/l	99
36) 1,1-Dichloropropene	8.09	75	548350	51.640	ug/l	100
37) Ethyl Acetate	7.26	43	221498	52.328	ug/l	98
38) Carbon Tetrachloride	8.07	117	500970	51.253	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	713456	53.727	ug/l	99
40) Benzene	8.33	78	1603351	51.956	ug/l	99
41) Methacrylonitrile	7.49	41	144427	60.122	ug/l	96
42) 1,2-Dichloroethane	8.40	62	414706	52.406	ug/l	100
43) Isopropyl Acetate	8.43	43	414111	54.465	ug/l	99
44) Trichloroethene	9.10	130	403864	51.556	ug/l	96
45) 1,2-Dichloropropane	9.37	63	395203	52.355	ug/l	98
46) Dibromomethane	9.46	93	193035	51.618	ug/l	99
47) Bromodichloromethane	9.65	83	471146	52.753	ug/l	100
48) Methyl methacrylate	9.44	41	196831	55.171	ug/l	99
49) 1,4-Dioxane	9.47	88	62281	1139.923	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1404853	273.392	ug/l	100
52) Toluene	10.39	92	983906	53.161	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	484095	53.799	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	574591	53.564	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	278775	52.443	ug/l	99
56) Ethyl methacrylate	10.65	69	357106	51.337	ug/l	100
57) 1,3-Dichloropropane	10.94	76	486643	53.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	854084	290.929	ug/l	99
59) 2-Hexanone	10.98	43	943303	270.928	ug/l	99
60) Dibromochloromethane	11.13	129	317712	53.272	ug/l	100
61) 1,2-Dibromoethane	11.24	107	268005	52.744	ug/l	100
64) Tetrachloroethene	10.87	164	344182	52.397	ug/l	98
65) Chlorobenzene	11.66	112	1079260	52.171	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	366338	52.446	ug/l	99
67) Ethyl Benzene	11.74	91	1901550	54.221	ug/l	100
68) m/p-Xylenes	11.85	106	1475665	108.152	ug/l	100
69) o-Xylene	12.17	106	697658	55.233	ug/l	99
70) Styrene	12.19	104	1170275	55.156	ug/l	100
71) Bromoform	12.35	173	195110	52.921	ug/l	98
73) Isopropylbenzene	12.47	105	1911770	56.018	ug/l	100
74) N-amyl acetate	12.28	43	397111	49.708	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	338794	53.590	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	435760	98.541	ug/l #	100
77) Bromobenzene	12.75	156	444556	53.817	ug/l	100
78) n-propylbenzene	12.81	91	2322390	55.767	ug/l	100
79) 2-Chlorotoluene	12.90	91	1327402	55.298	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1623149	55.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	102233	53.734	ug/l	99
82) 4-Chlorotoluene	12.99	91	1389189	54.468	ug/l	100
83) tert-Butylbenzene	13.21	119	1394133	56.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1666321	55.862	ug/l	100
85) sec-Butylbenzene	13.39	105	2059149	55.615	ug/l	100
86) p-Isopropyltoluene	13.51	119	1805183	56.035	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	900539	53.596	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	880534	52.426	ug/l	99
89) n-Butylbenzene	13.83	91	1704616	54.727	ug/l	100
90) Hexachloroethane	14.10	117	316747	53.941	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	802889	53.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	52850	53.489	ug/l	98

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QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

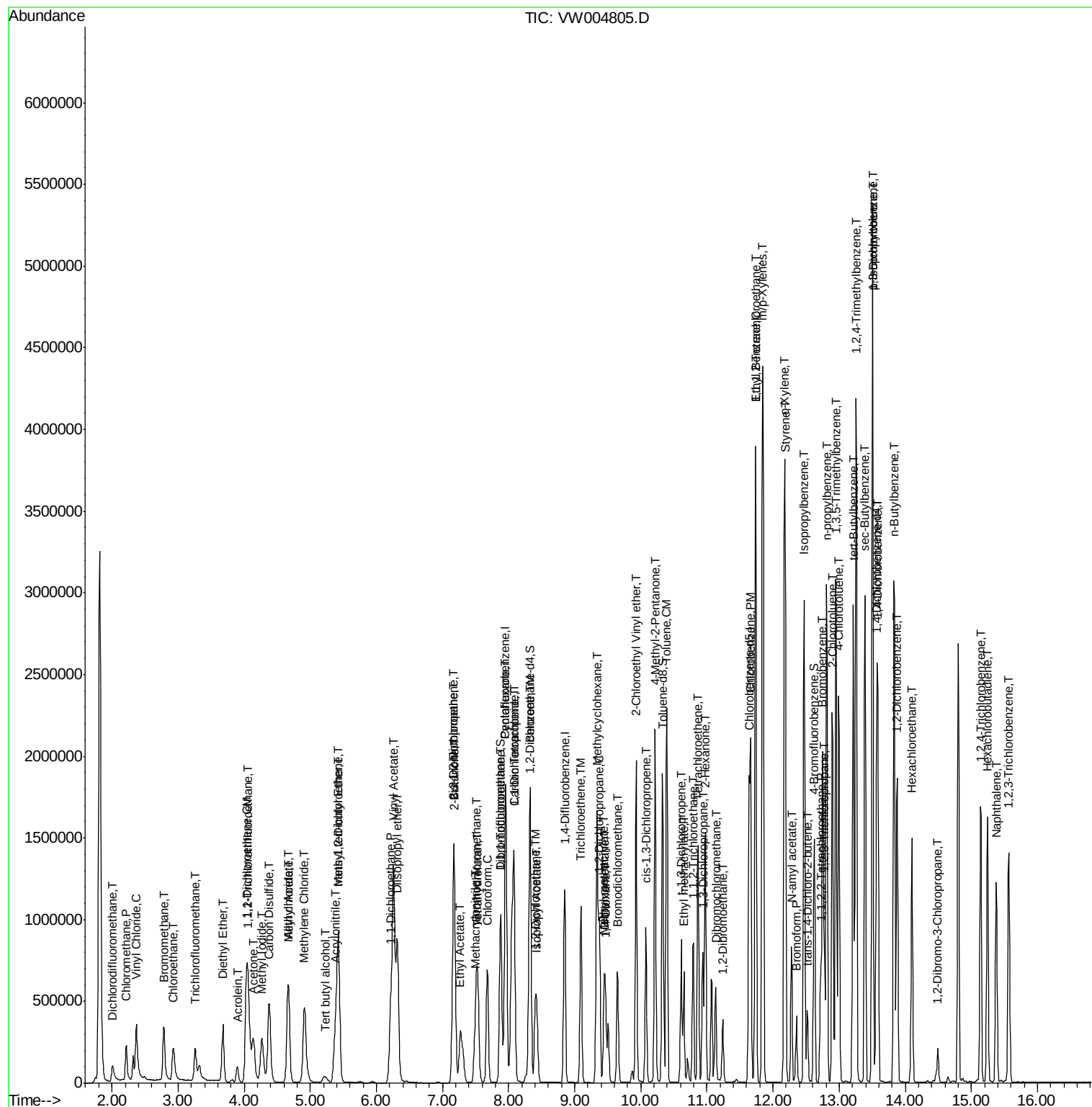
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	573654	53.742	ug/l	99
94) Hexachlorobutadiene	15.24	225	343032	52.357	ug/l	99
95) Naphthalene	15.38	128	1045365	50.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	511309	54.017	ug/l	99

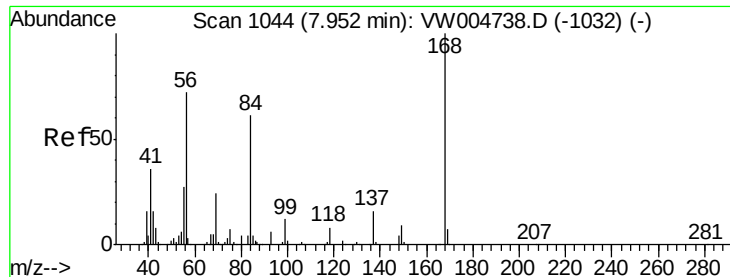
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

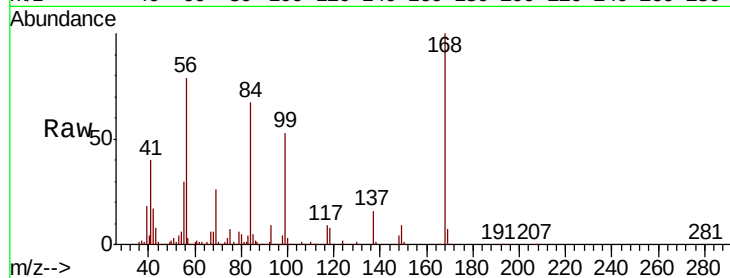
VSTDCCC050EC

Tgt Ion:168 Resp: 670668

Ion Ratio Lower Upper

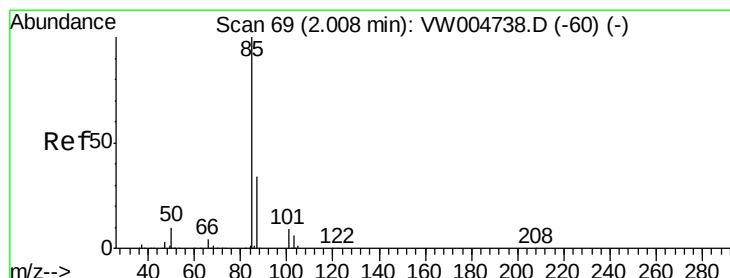
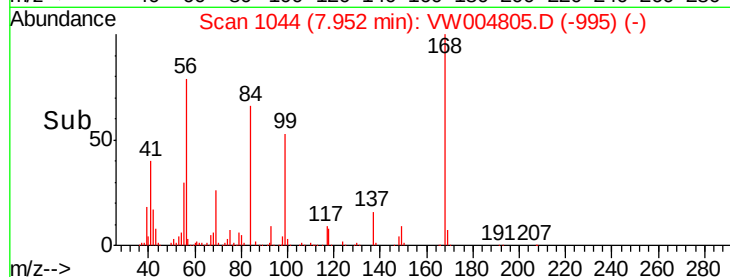
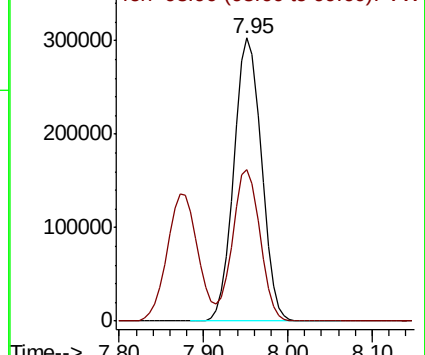
168 100

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



#2

Dichlorodifluoromethane

Concen: 45.881 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004805.D

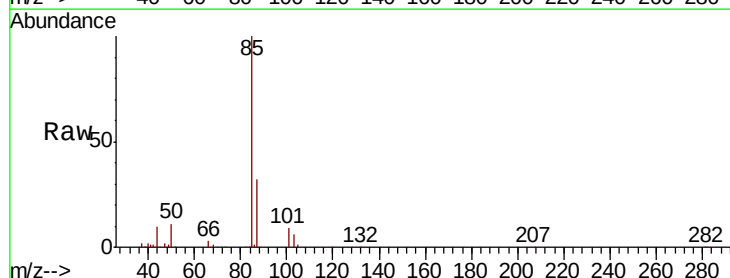
Acq: 20 Aug 2018 21:19

Tgt Ion: 85 Resp: 203824

Ion Ratio Lower Upper

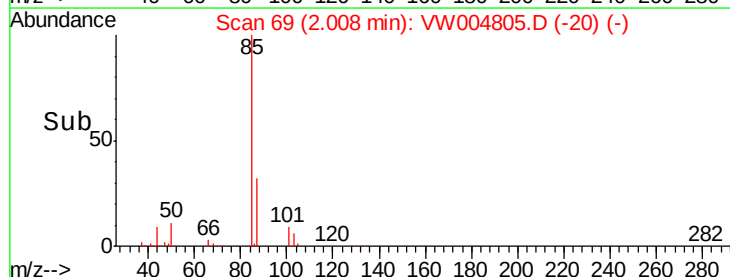
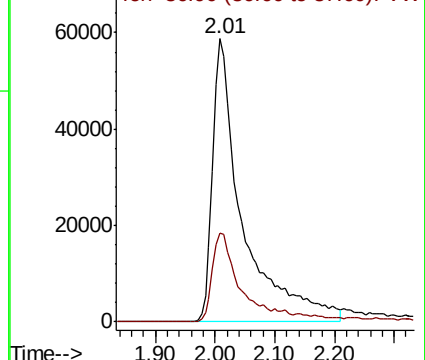
85 100

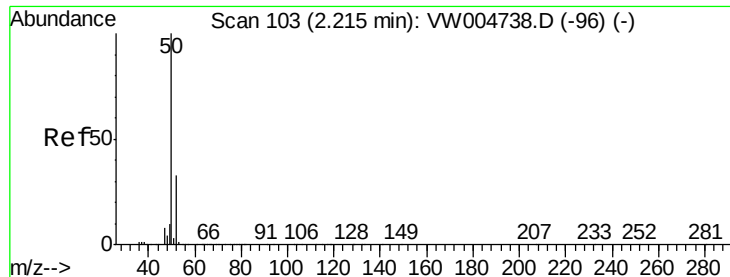
87 31.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.683 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

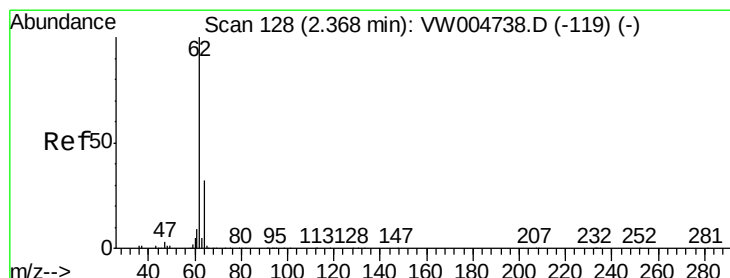
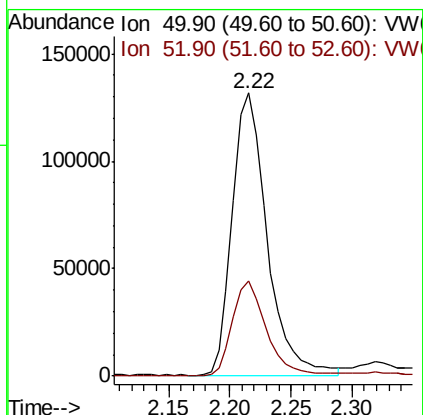
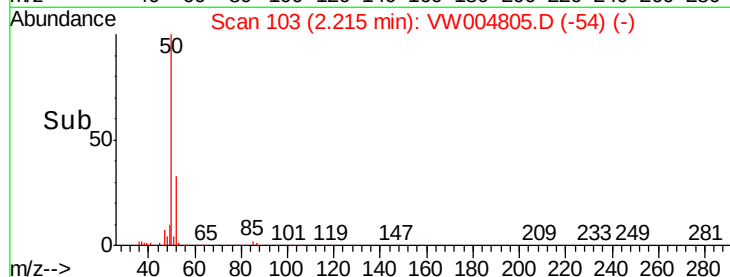
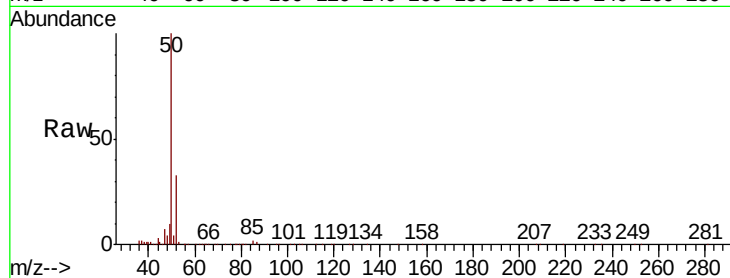
VSTDCCC050EC

Tgt Ion: 50 Resp: 259534

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



#4

Vinyl Chloride

Concen: 52.045 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004805.D

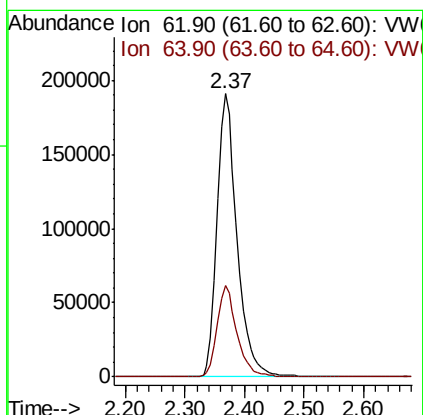
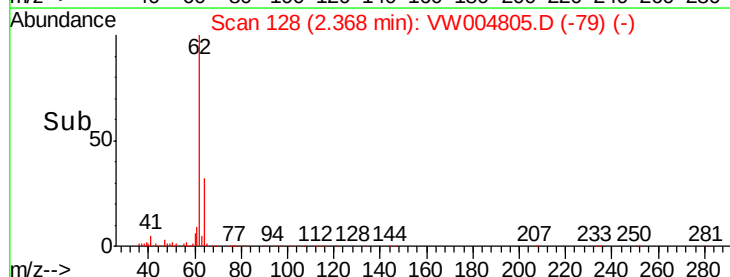
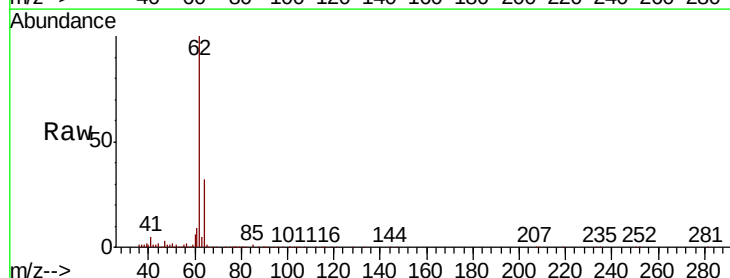
Acq: 20 Aug 2018 21:19

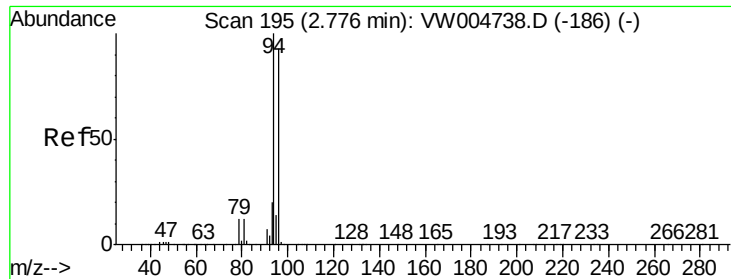
Tgt Ion: 62 Resp: 444963

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 52.323 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

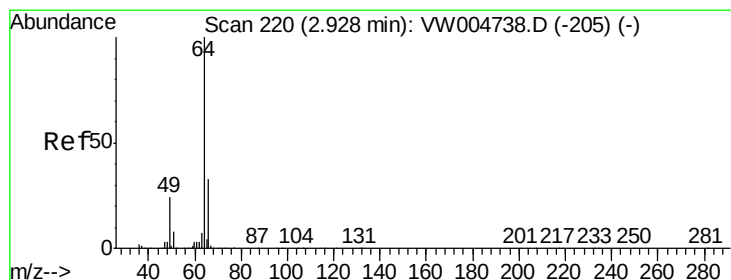
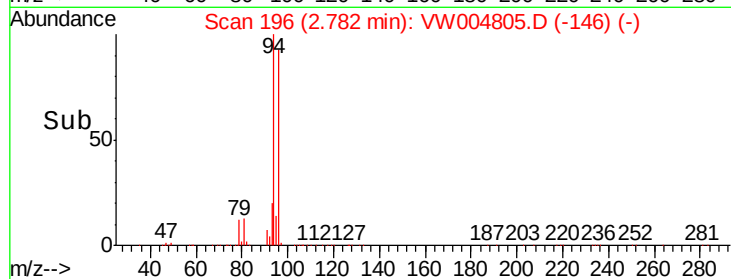
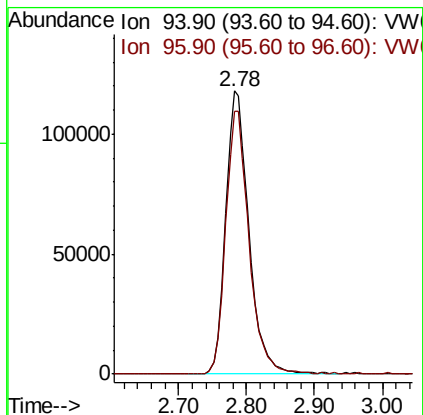
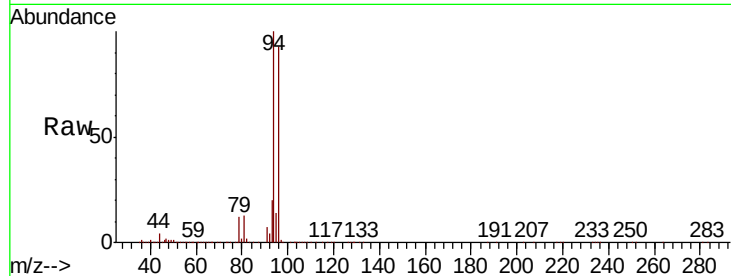
VSTDCCC050EC

Tgt Ion: 94 Resp: 276274

Ion Ratio Lower Upper

94 100

96 92.7 74.3 111.5



#6

Chloroethane

Concen: 53.255 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004805.D

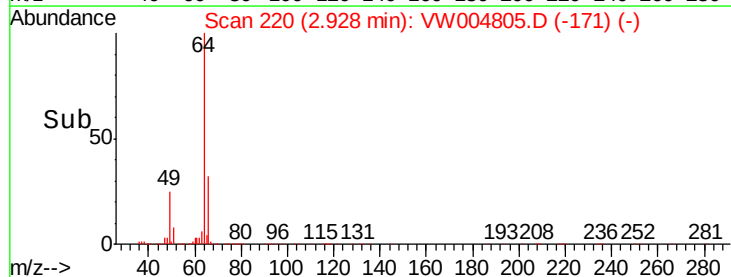
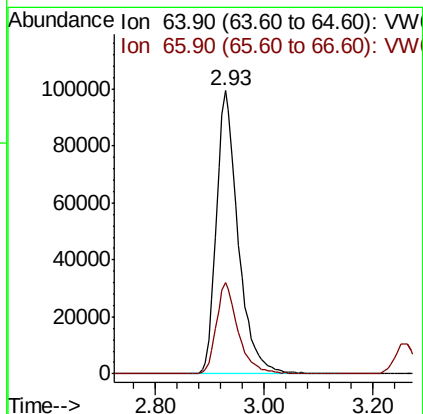
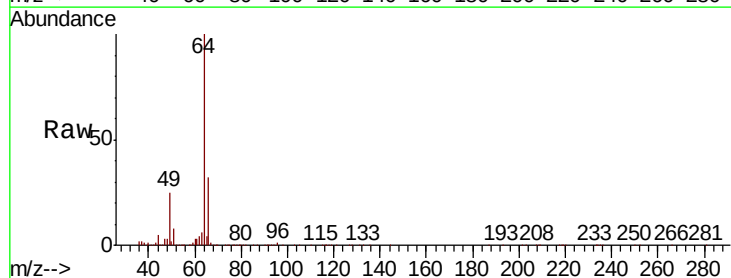
Acq: 20 Aug 2018 21:19

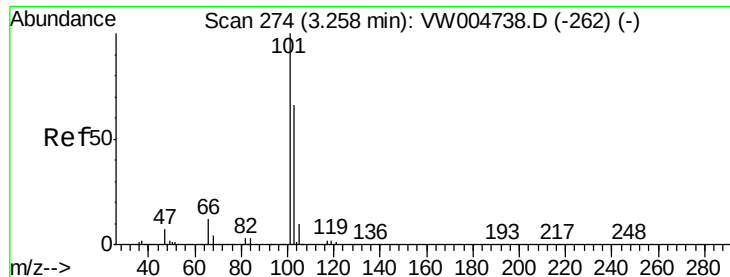
Tgt Ion: 64 Resp: 274731

Ion Ratio Lower Upper

64 100

66 32.2 26.1 39.1



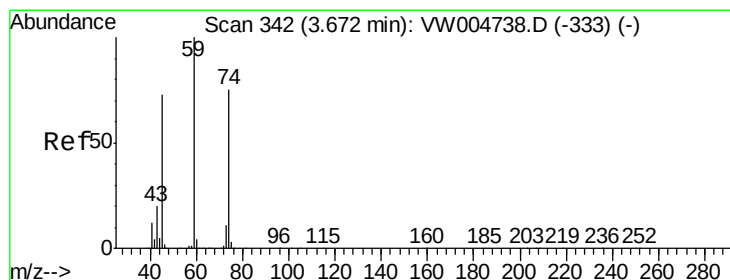
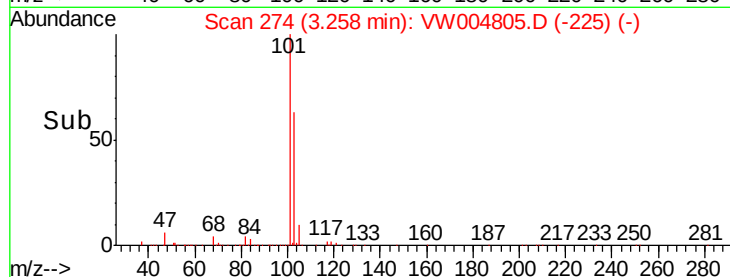
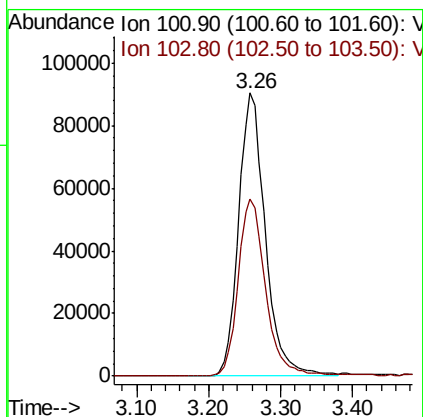
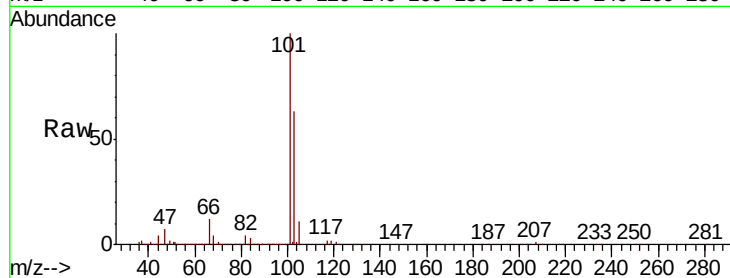


#7

Trichlorofluoromethane
 Concen: 57.779 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

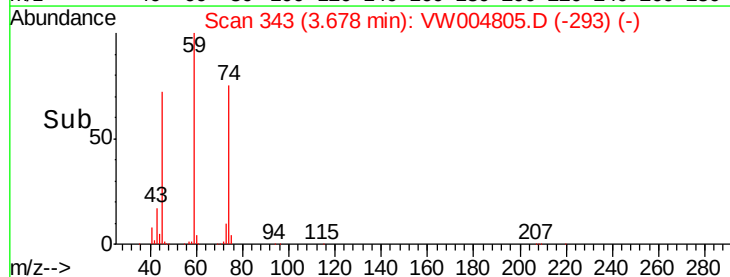
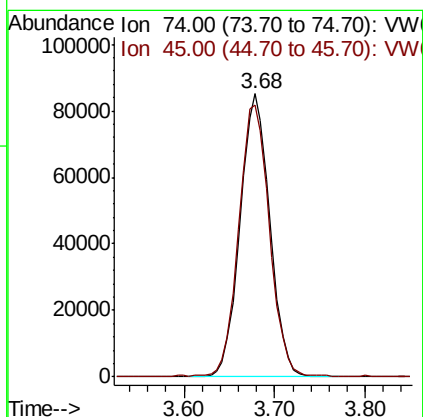
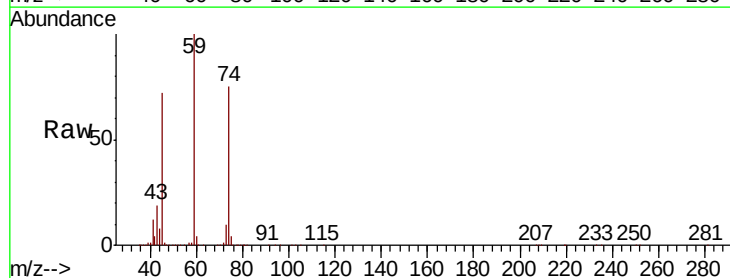
Tgt Ion:101 Resp: 232719
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.5 78.7

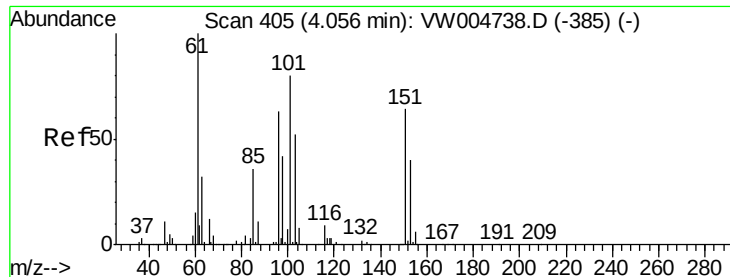


#8

Diethyl Ether
 Concen: 53.064 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 74 Resp: 193240
 Ion Ratio Lower Upper
 74 100
 45 99.1 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.428 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

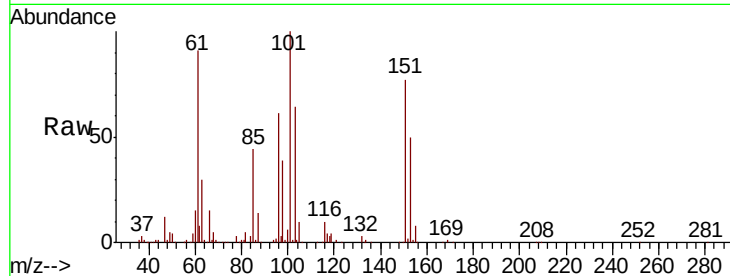
Tgt Ion:101 Resp: 363625

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

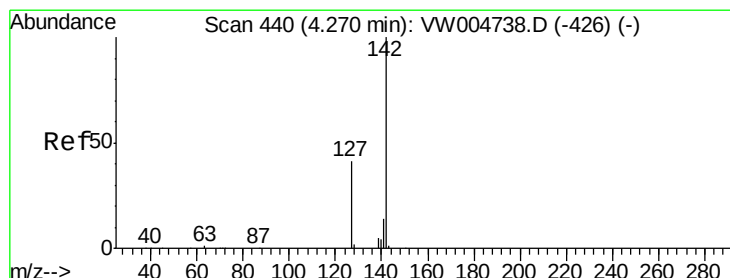
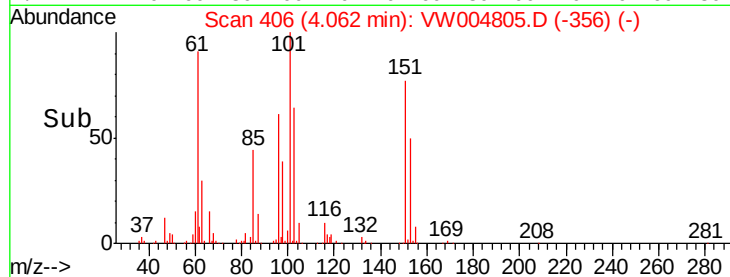
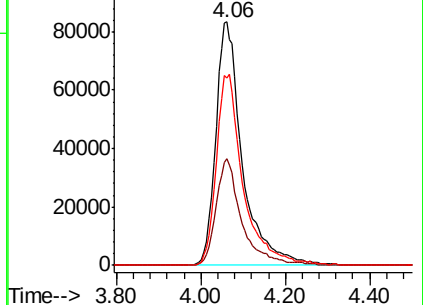
151 79.3 63.4 95.2



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: 54.162 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

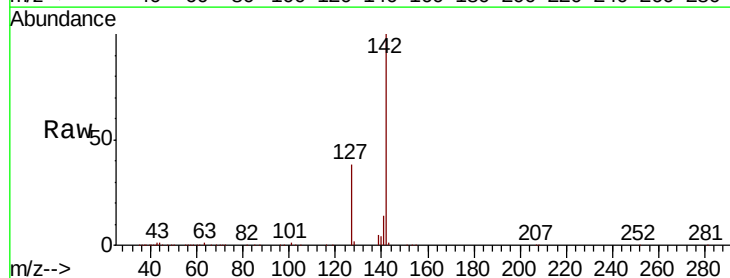
Tgt Ion:142 Resp: 570499

Ion Ratio Lower Upper

142 100

127 39.4 32.1 48.1

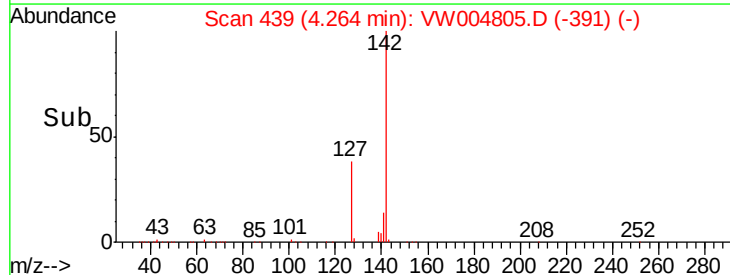
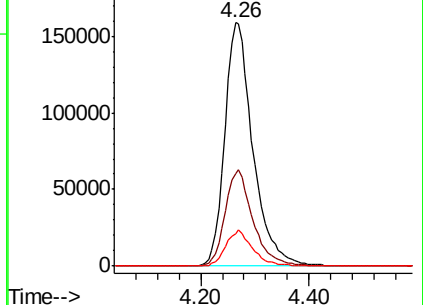
141 14.2 11.7 17.5

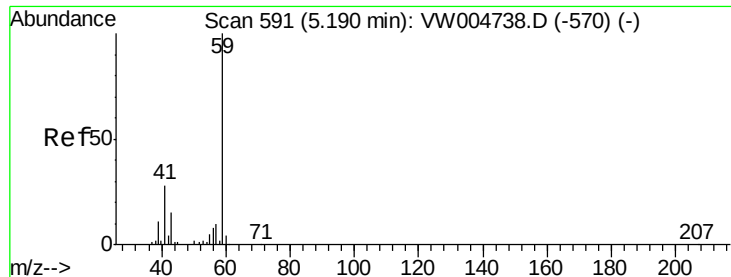


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



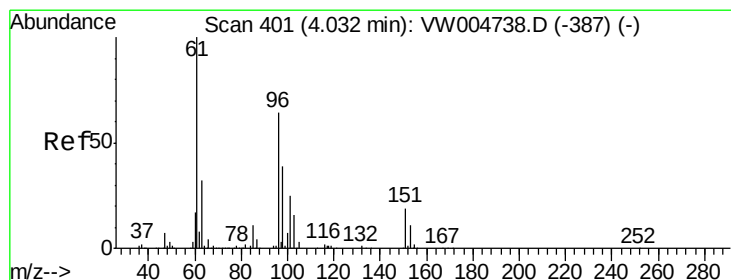
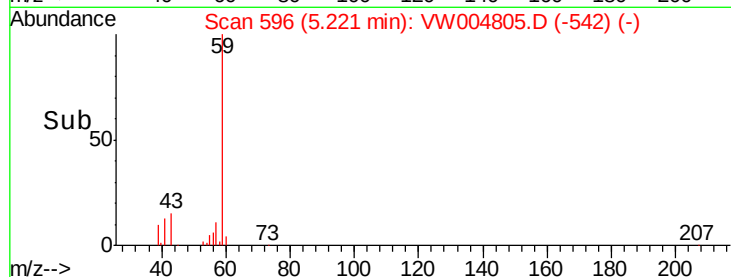
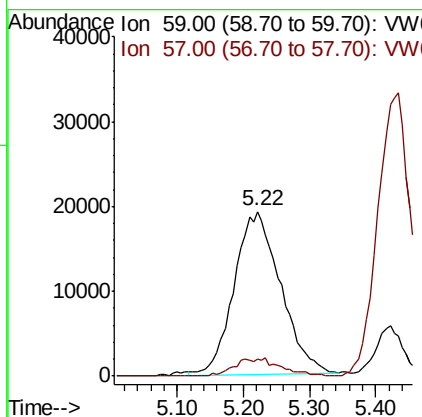
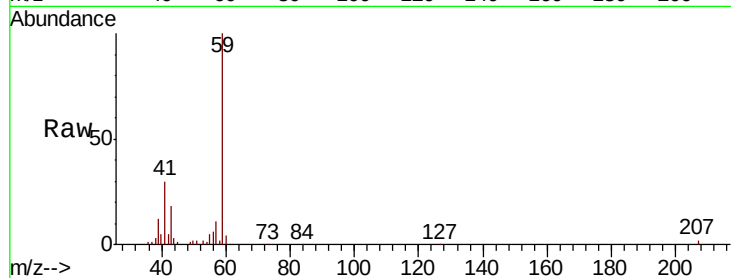


#11

Tert butyl alcohol
 Concen: 257.869 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

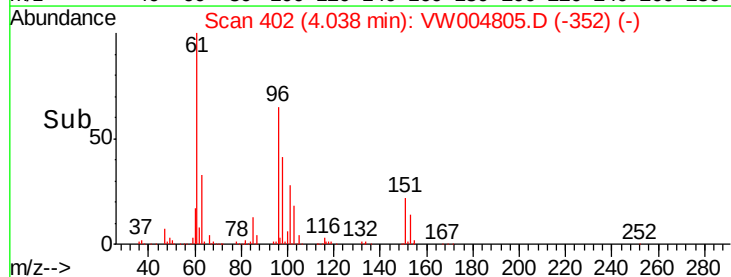
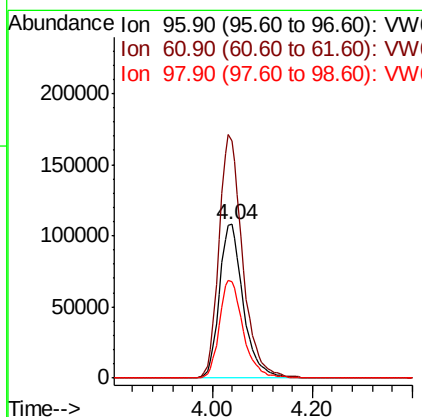
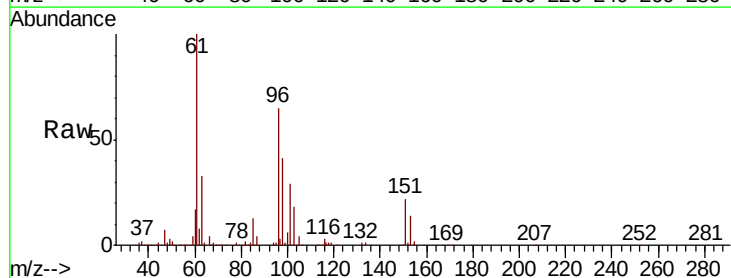
Tgt Ion: 59 Resp: 93413
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.4 12.6#

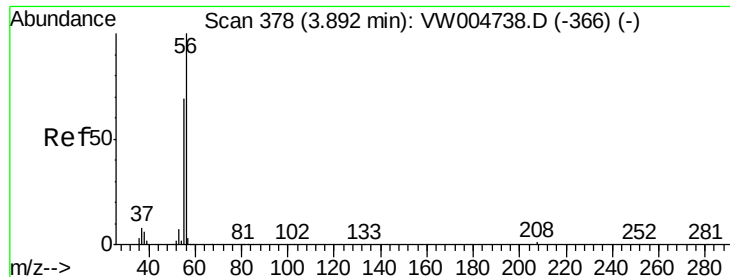


#12

1,1-Dichloroethene
 Concen: 51.961 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 96 Resp: 359121
 Ion Ratio Lower Upper
 96 100
 61 154.5 125.6 188.4
 98 62.6 49.4 74.0





#13

Acrolein

Concen: 244.002 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

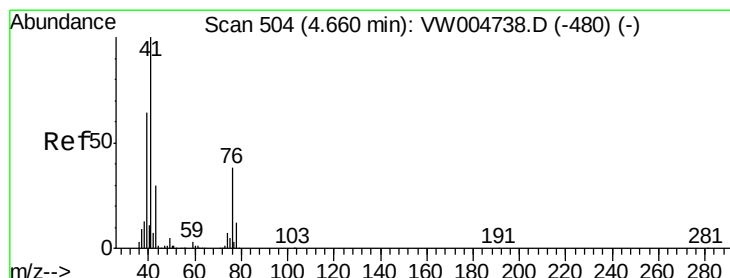
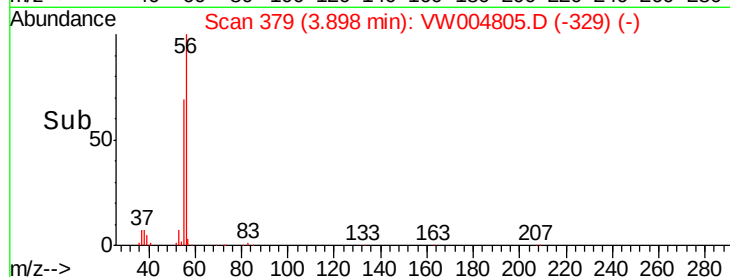
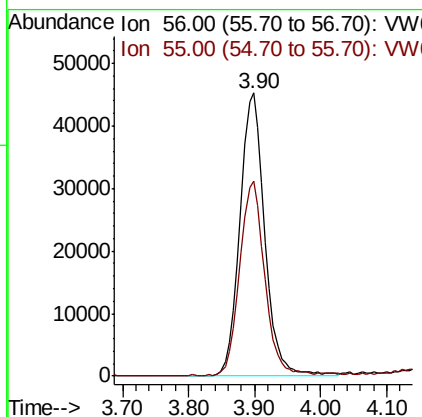
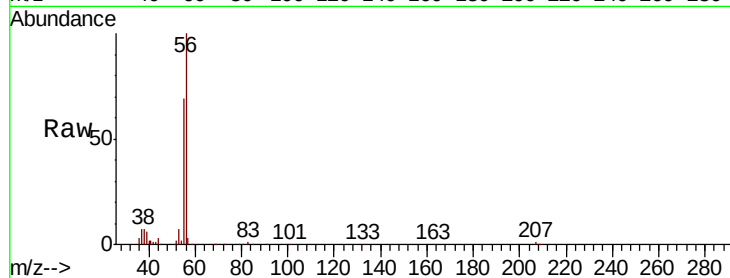
VSTDCCC050EC

Tgt Ion: 56 Resp: 118613

Ion Ratio Lower Upper

56 100

55 68.5 56.1 84.1



#14

Allyl chloride

Concen: 54.219 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

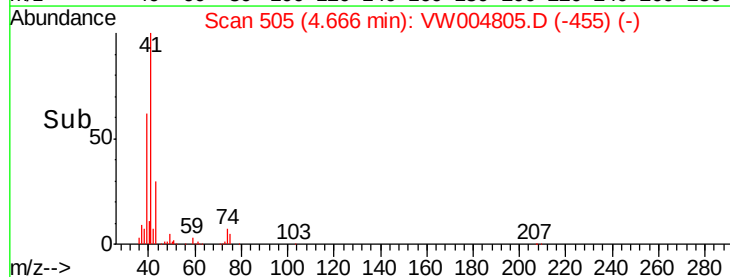
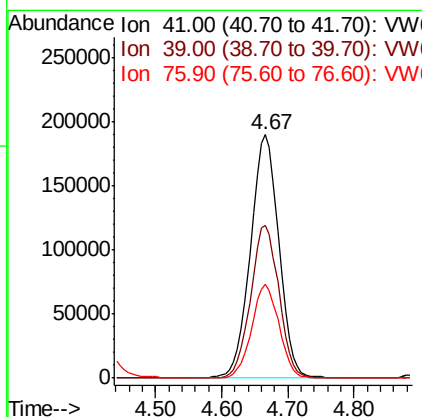
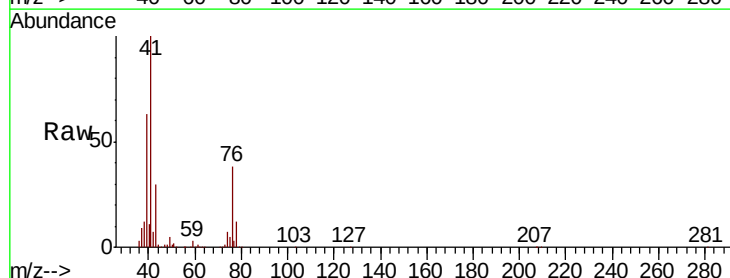
Tgt Ion: 41 Resp: 568676

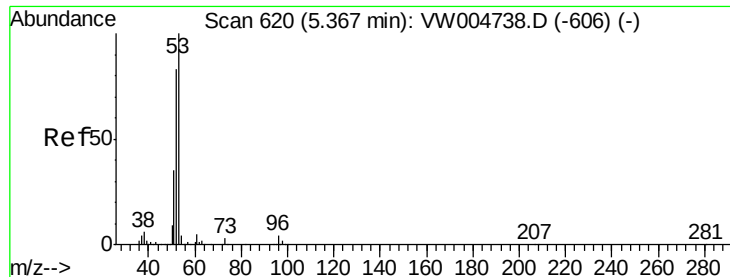
Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 37.0 29.8 44.6





#15

Acrylonitrile

Concen: 269.553 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

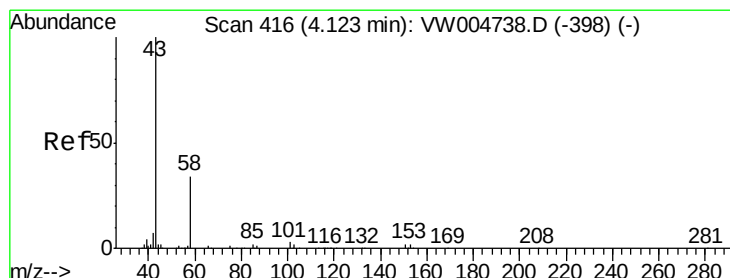
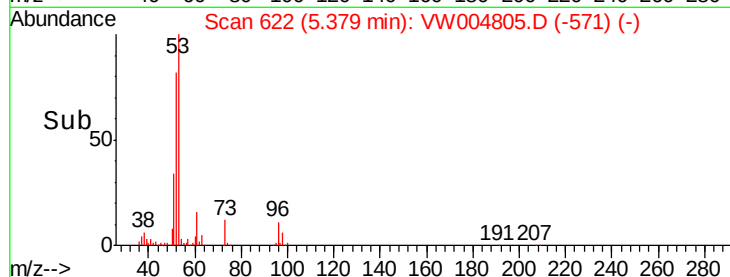
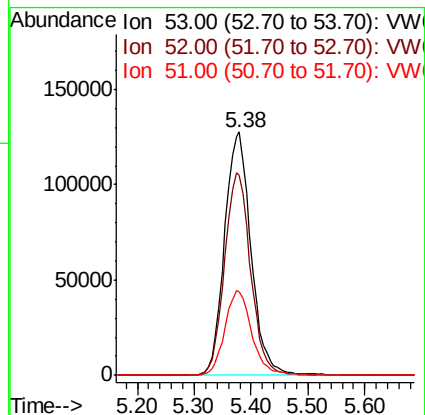
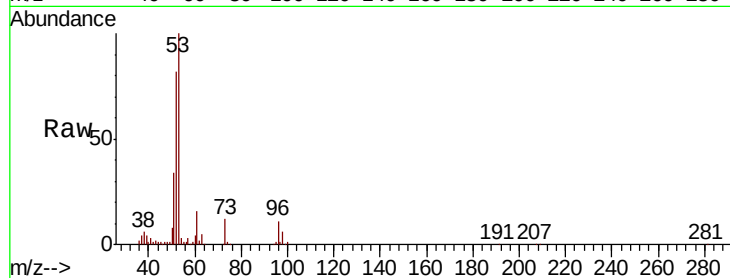
Tgt Ion: 53 Resp: 411665

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.6

51 35.7 28.7 43.1



#16

Acetone

Concen: 245.124 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004805.D

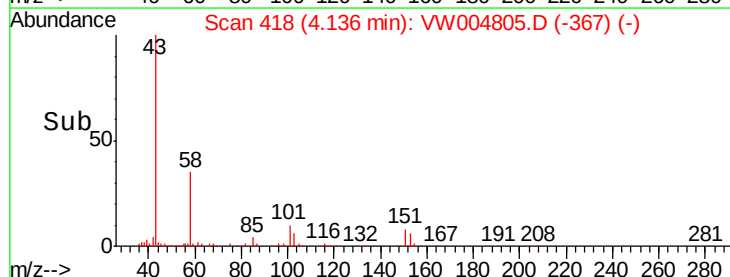
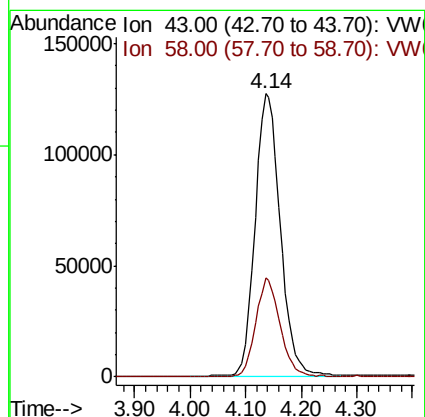
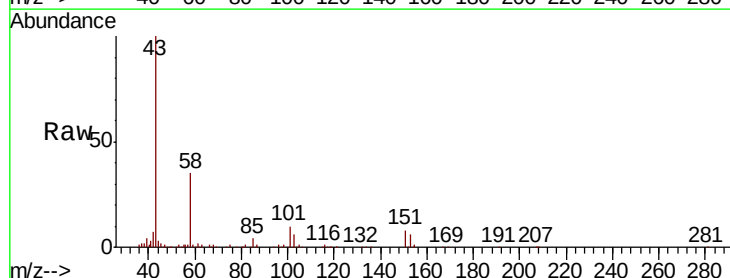
Acq: 20 Aug 2018 21:19

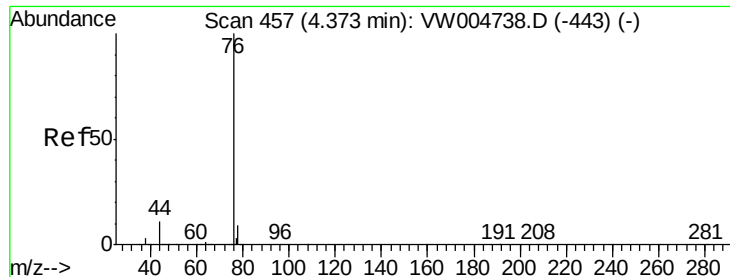
Tgt Ion: 43 Resp: 405732

Ion Ratio Lower Upper

43 100

58 34.9 27.3 40.9

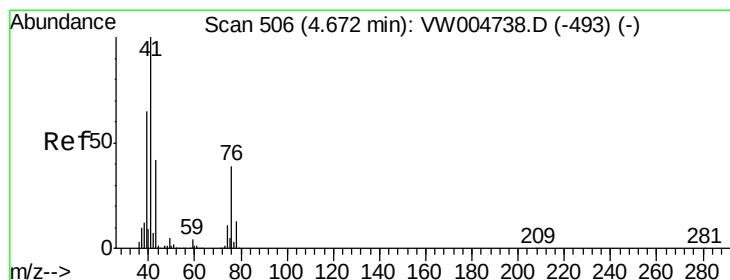
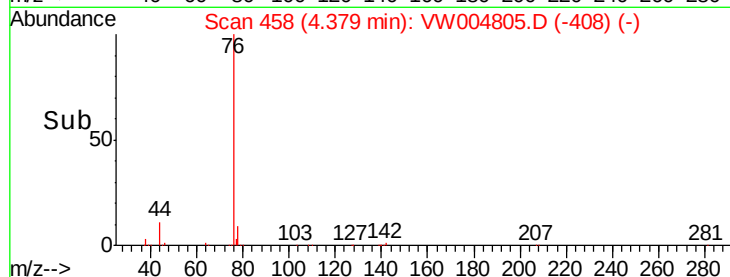
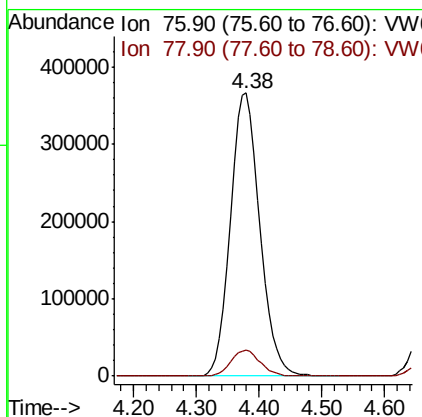
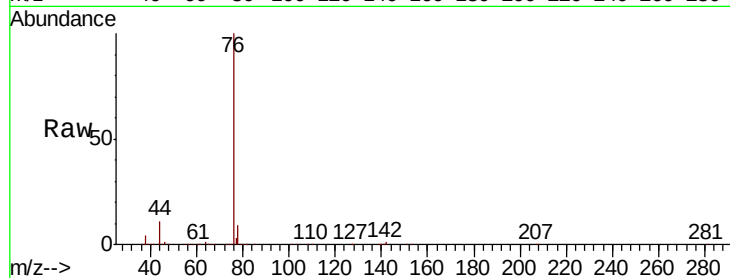




#17
Carbon Disulfide
Concen: 52.271 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

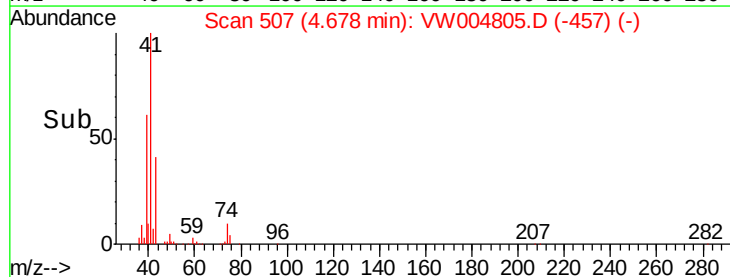
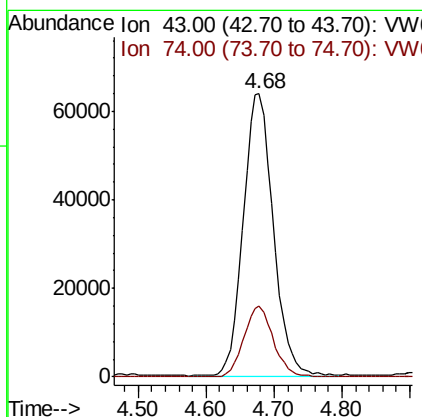
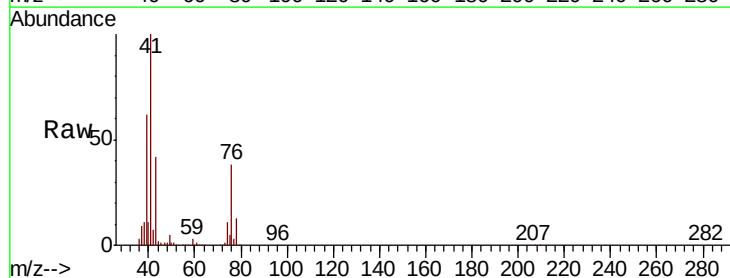
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

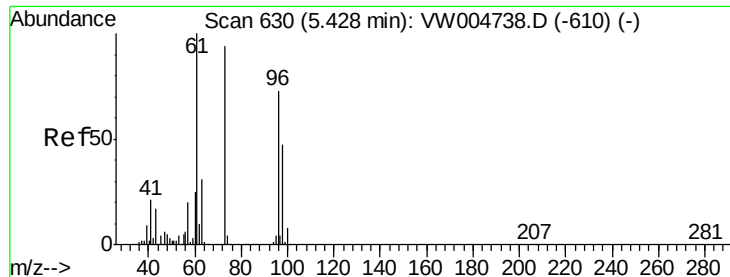
Tgt Ion: 76 Resp: 1187237
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 55.158 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 43 Resp: 195646
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8



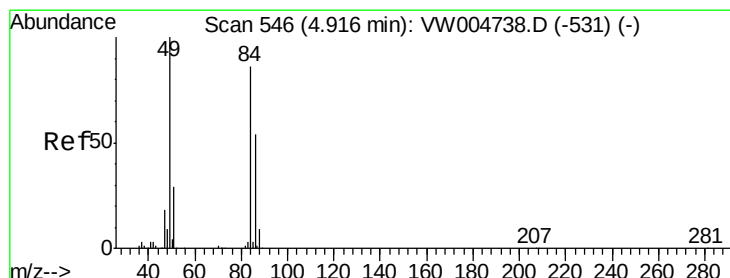
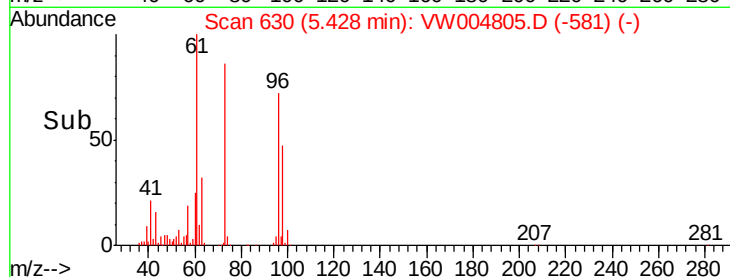
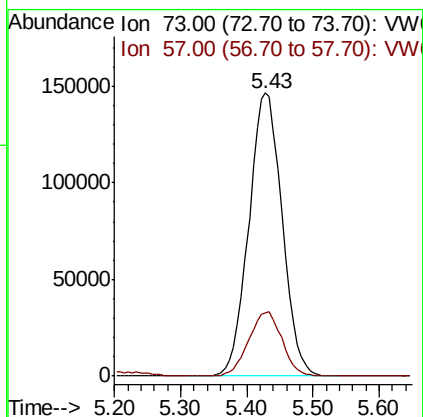
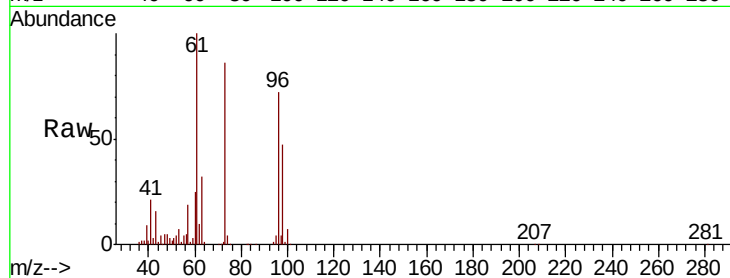


#19

Methyl tert-butyl Ether
 Concen: 57.154 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

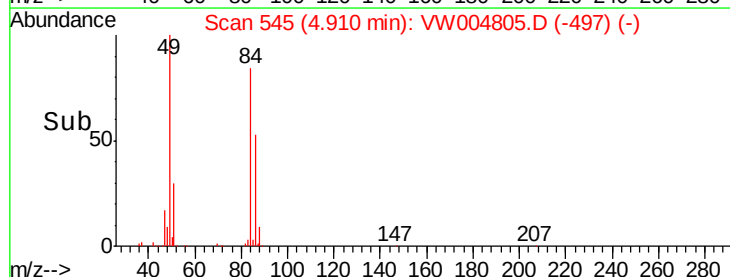
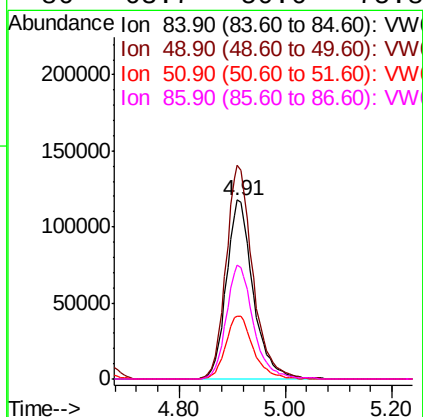
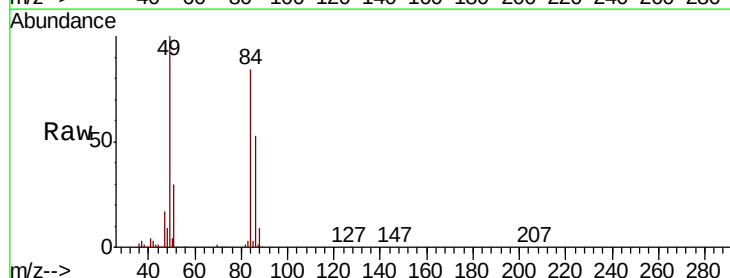
Tgt Ion: 73 Resp: 512766
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.3 25.9

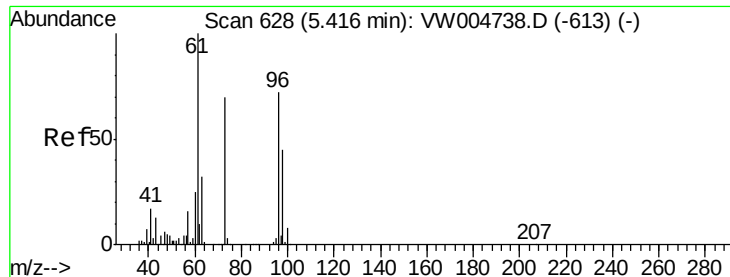


#20

Methylene Chloride
 Concen: 55.140 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 84 Resp: 413362
 Ion Ratio Lower Upper
 84 100
 49 119.5 93.2 139.8
 51 35.4 27.4 41.0
 86 63.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 53.304 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

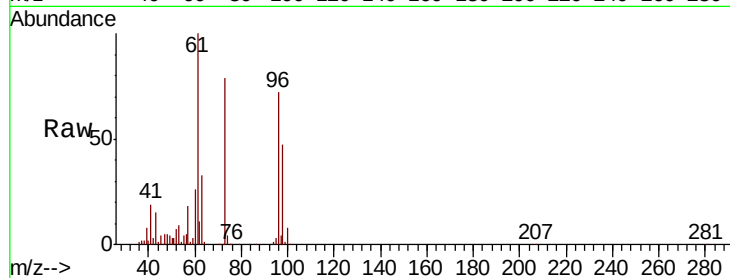
Tgt Ion: 96 Resp: 391977

Ion Ratio Lower Upper

96 100

61 139.4 111.4 167.0

98 66.1 49.7 74.5

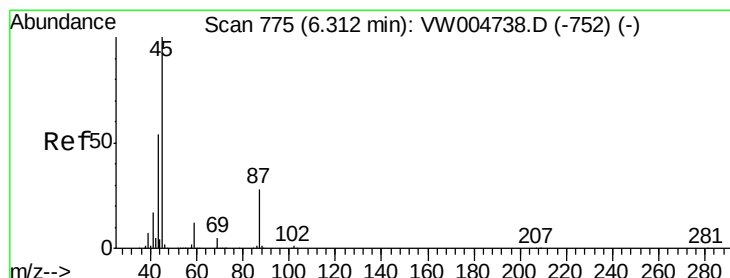
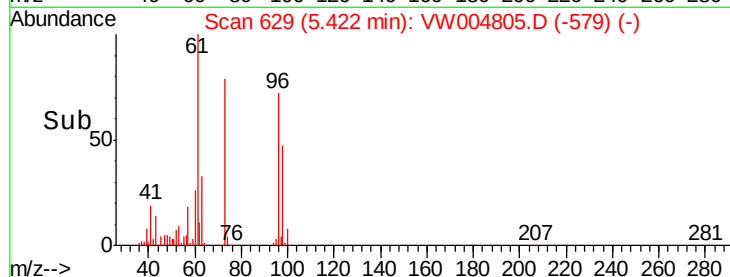
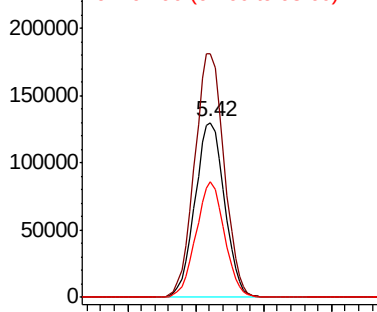


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 57.513 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Tgt Ion: 45 Resp: 1159438

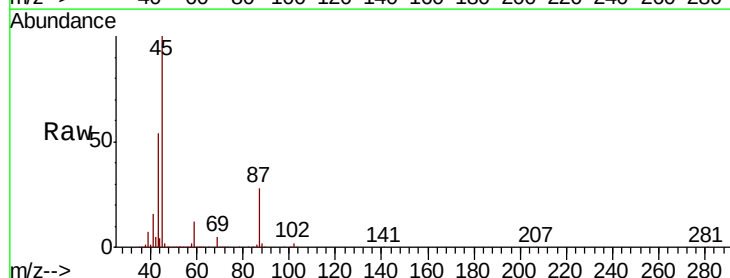
Ion Ratio Lower Upper

45 100

43 54.3 43.0 64.6

87 27.4 22.2 33.4

59 12.1 9.8 14.6



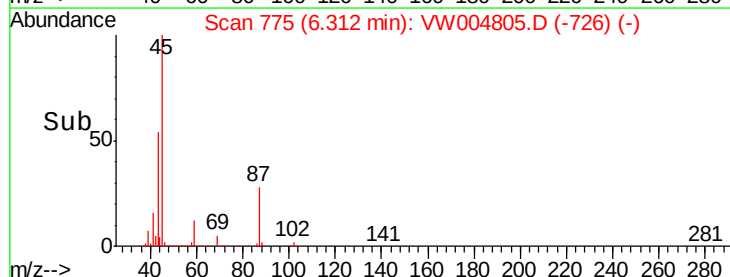
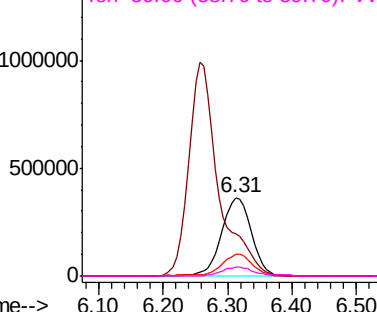
Abundance

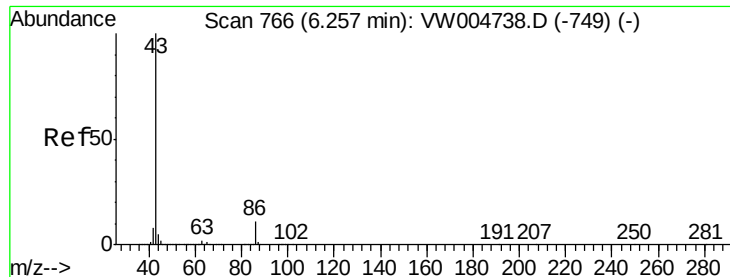
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 282.874 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

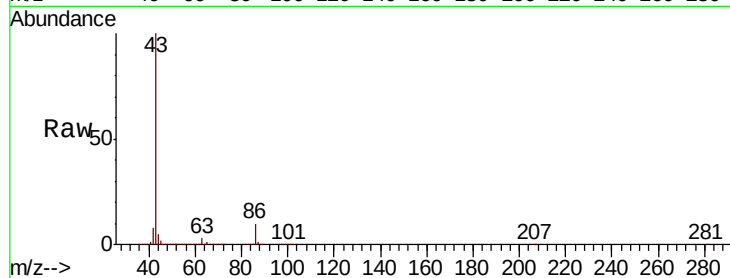
VSTDCCC050EC

Tgt Ion: 43 Resp: 3225576

Ion Ratio Lower Upper

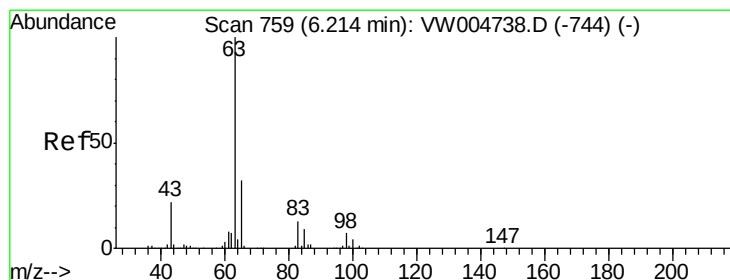
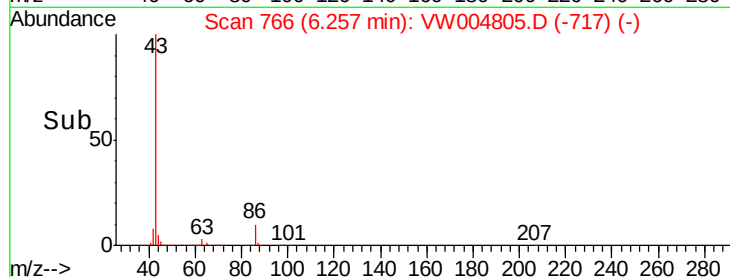
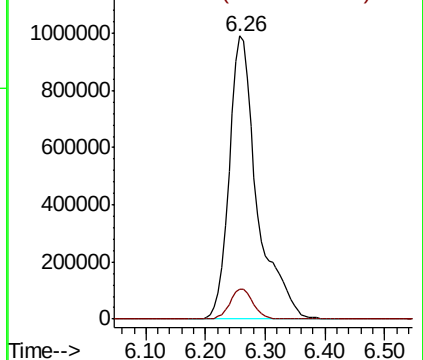
43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.693 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

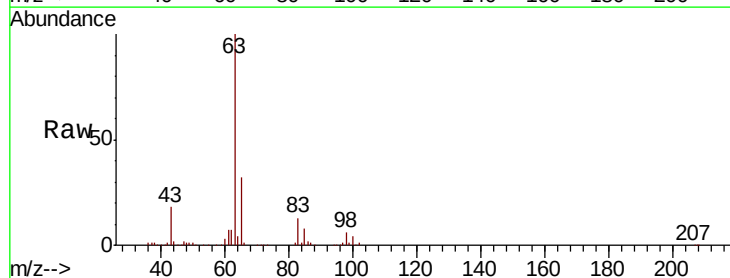
Tgt Ion: 63 Resp: 703405

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

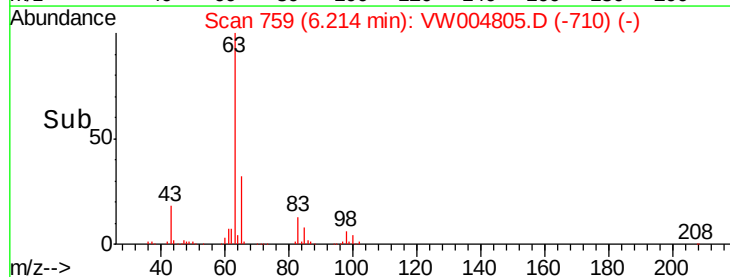
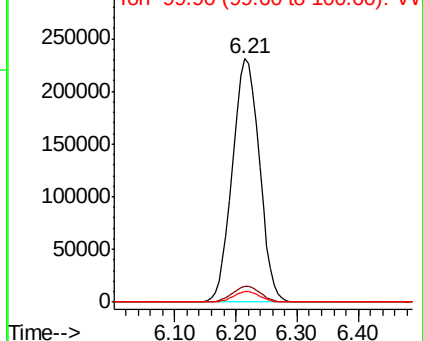
100 4.2 2.1 6.3

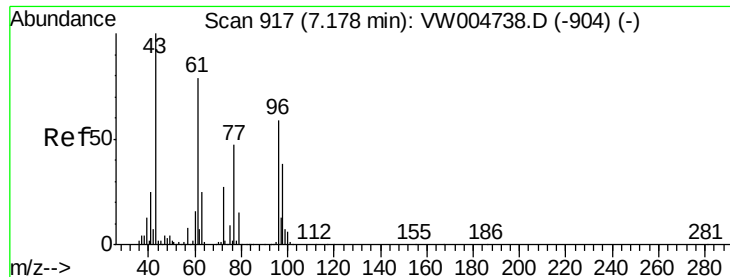


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 260.645 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampled :

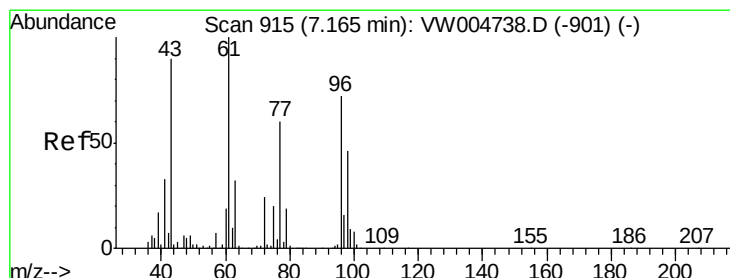
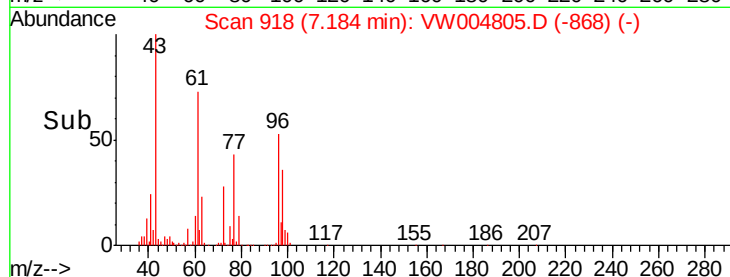
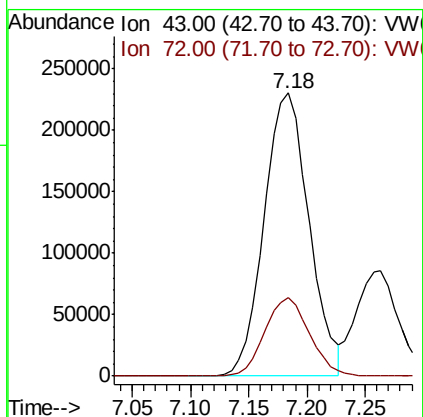
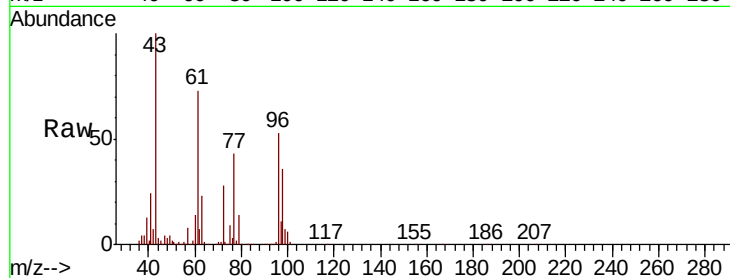
VSTDCCC050EC

Tgt Ion: 43 Resp: 614696

Ion Ratio Lower Upper

43 100

72 27.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 51.789 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004805.D

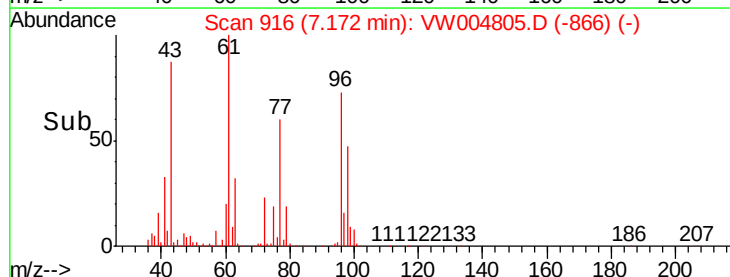
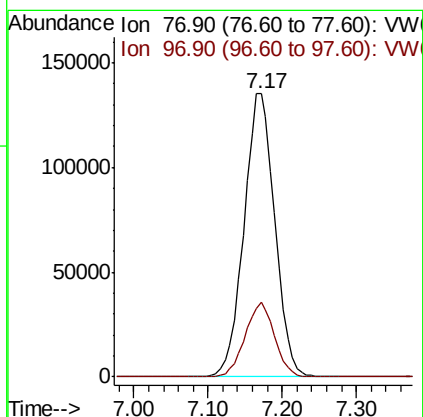
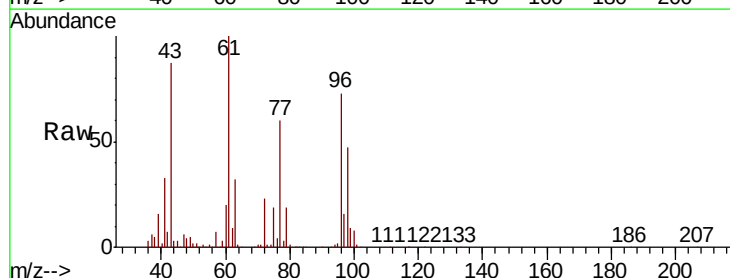
Acq: 20 Aug 2018 21:19

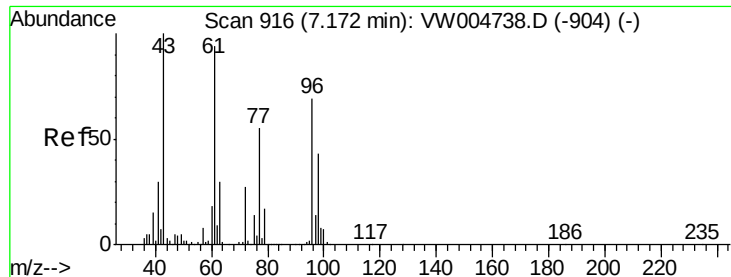
Tgt Ion: 77 Resp: 391869

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.8



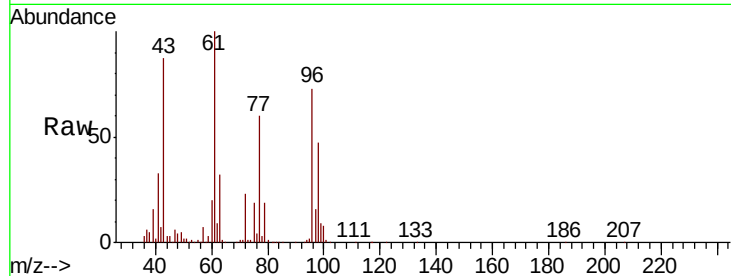


#27

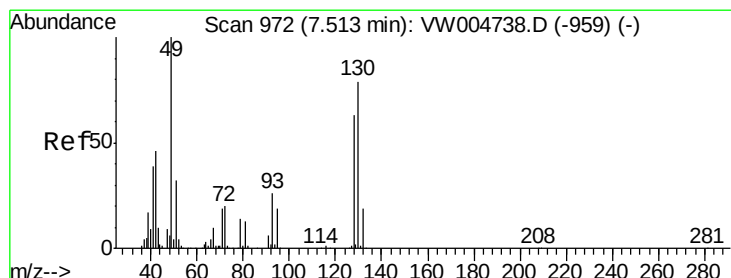
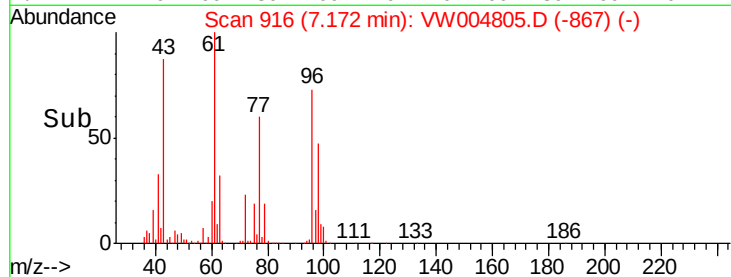
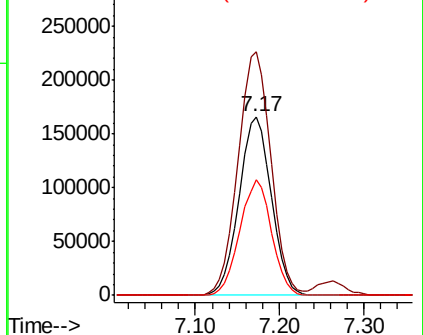
cis-1,2-Dichloroethene
 Concen: 54.287 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Resp	Lower	Upper
96	429769		
Ion Ratio			
96	100		
61	138.9	0.0	277.6
98	63.8	0.0	127.4



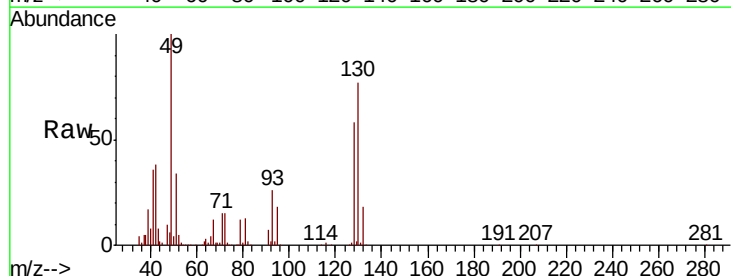
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



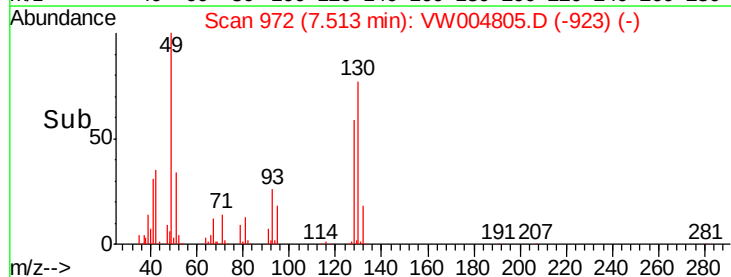
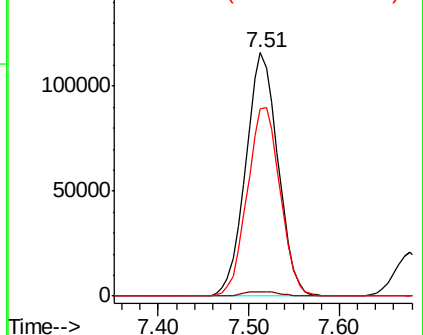
#28

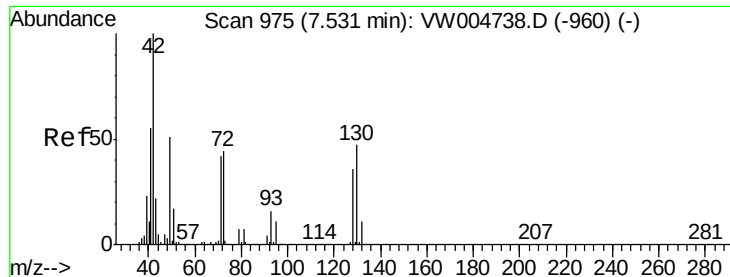
Bromochloromethane
 Concen: 51.804 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion	Resp	Lower	Upper
49	285789		
Ion Ratio			
49	100		
129	2.1	0.0	4.4
130	79.1	63.7	95.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

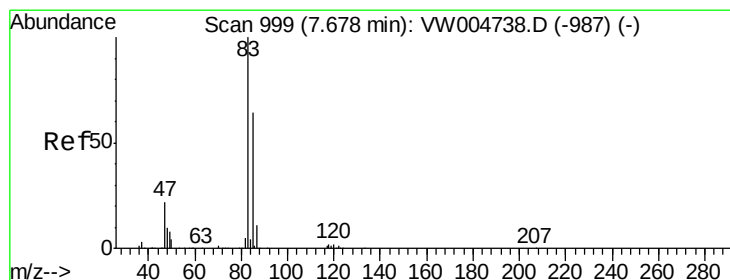
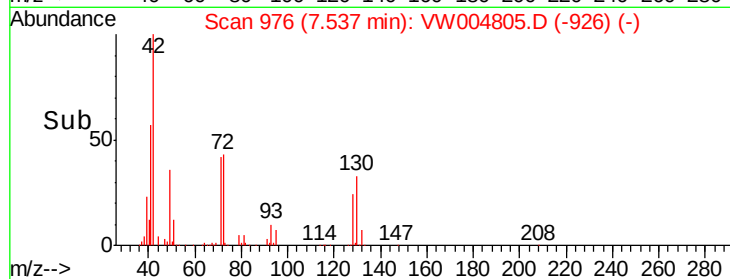
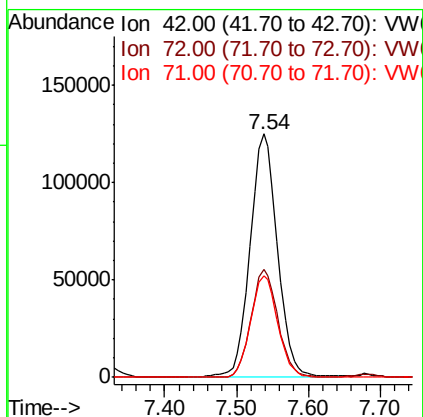
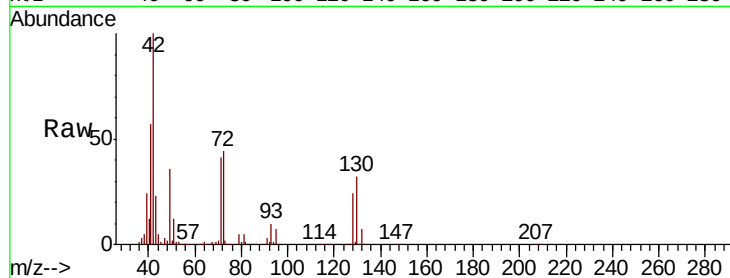




#29
Tetrahydrofuran
Concen: 274.159 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

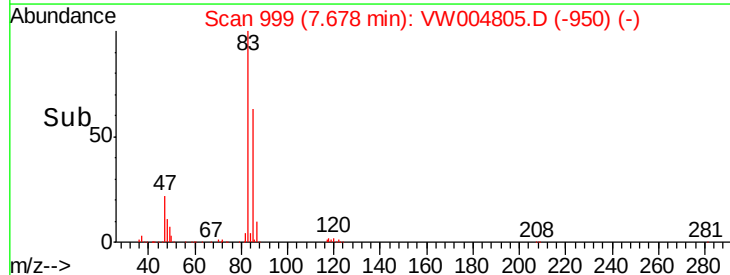
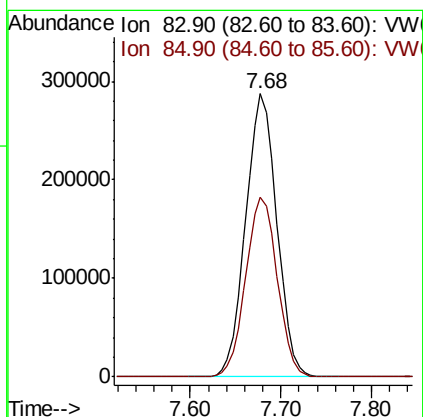
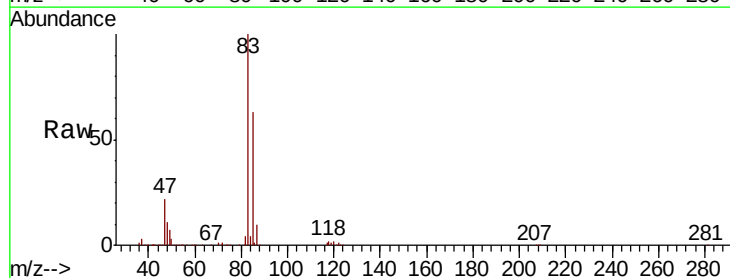
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

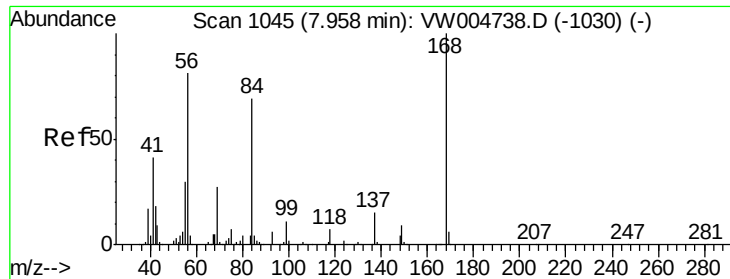
Tgt Ion: 42 Resp: 329700
Ion Ratio Lower Upper
42 100
72 43.7 34.9 52.3
71 41.4 33.8 50.6



#30
Chloroform
Concen: 53.044 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 83 Resp: 683442
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.6

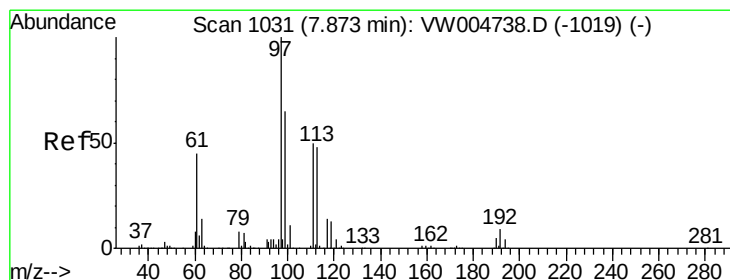
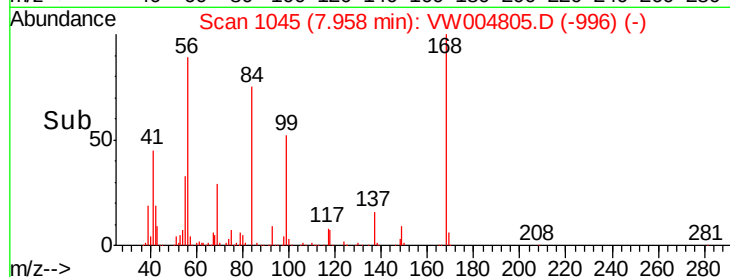
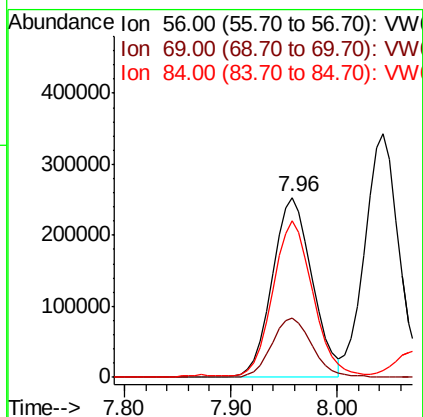
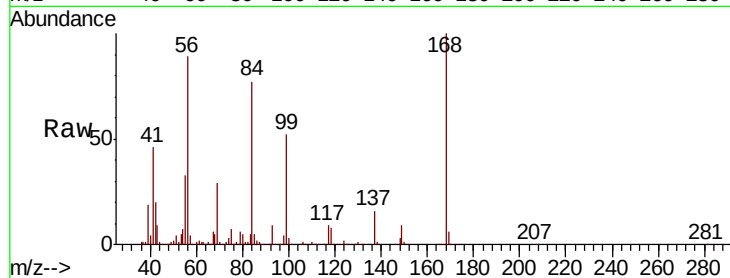




#31
Cyclohexane
Concen: 51.666 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

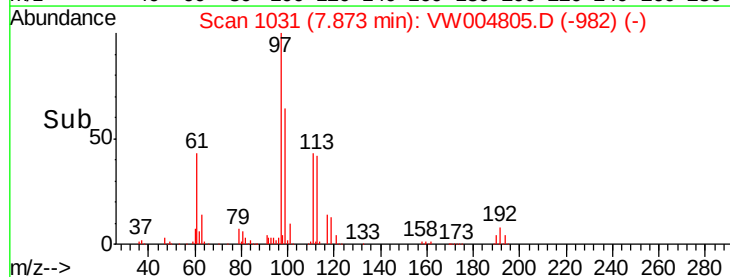
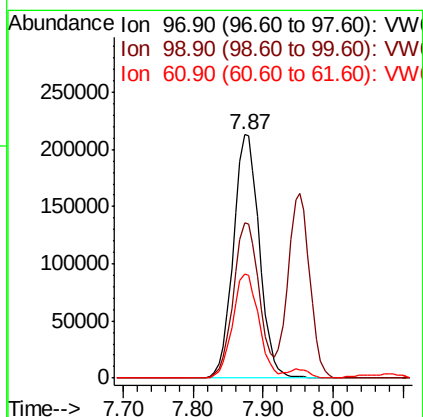
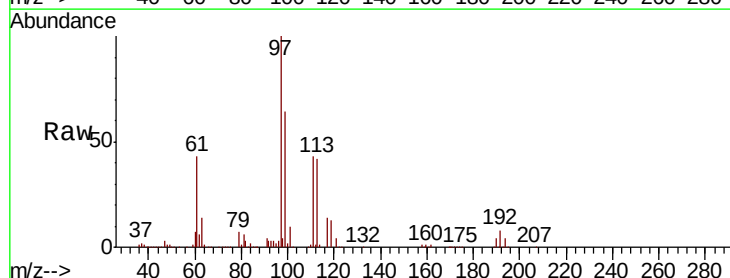
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

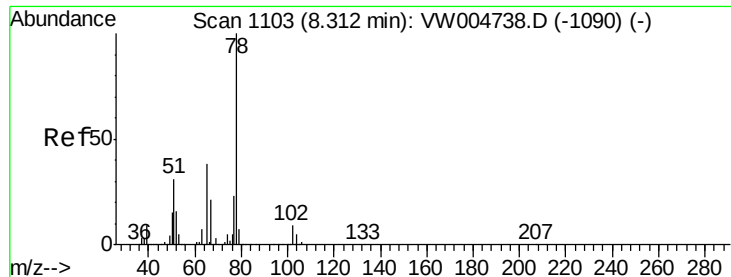
Tgt Ion: 56 Resp: 654685
Ion Ratio Lower Upper
56 100
69 32.9 27.1 40.7
84 85.8 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 53.735 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 97 Resp: 548810
Ion Ratio Lower Upper
97 100
99 63.8 51.7 77.5
61 43.3 34.4 51.6

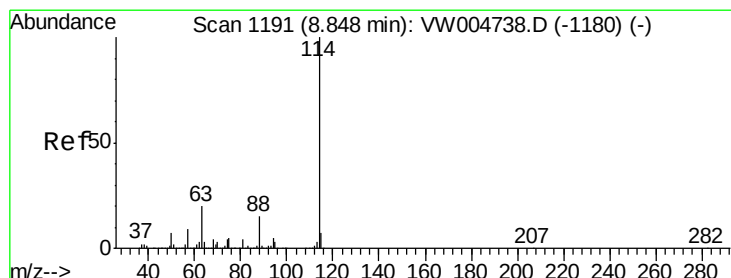
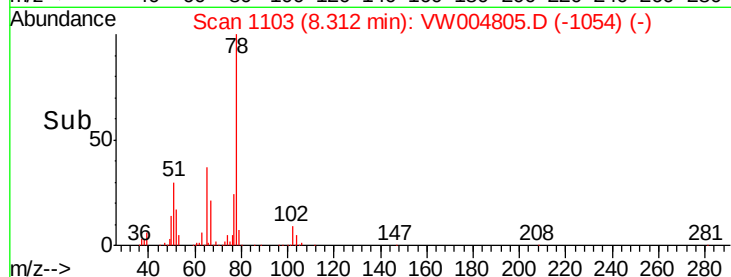
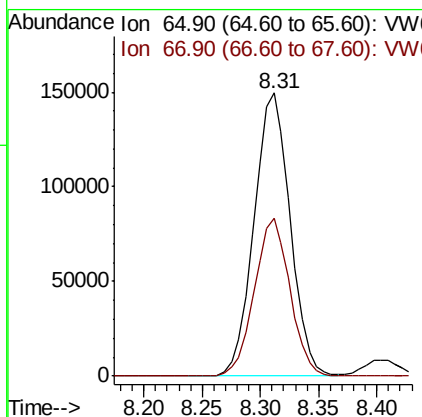
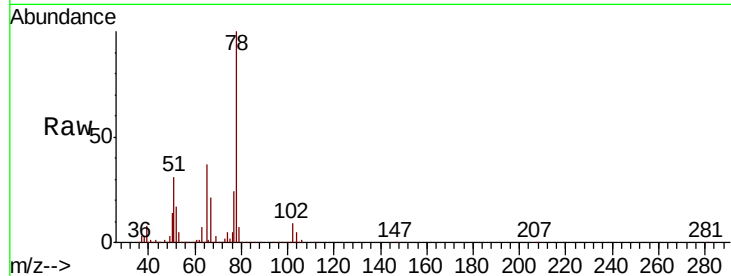




#33
 1,2-Dichloroethane-d4
 Concen: 49.857 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

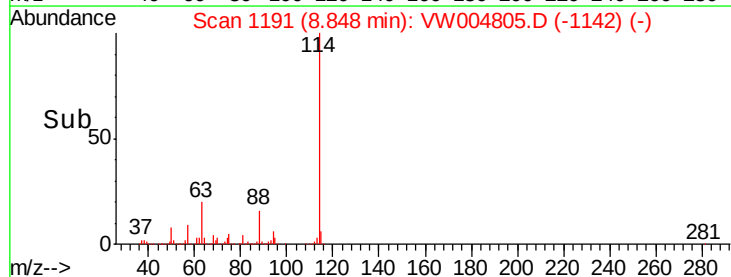
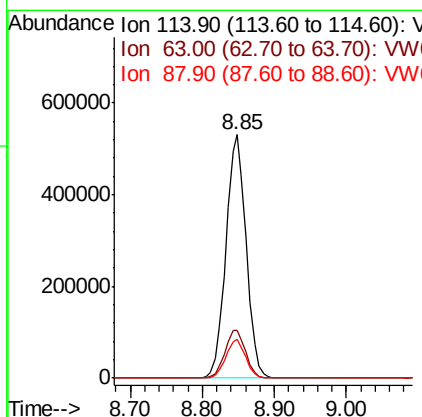
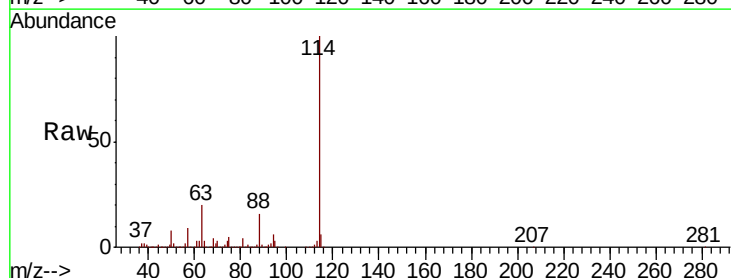
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

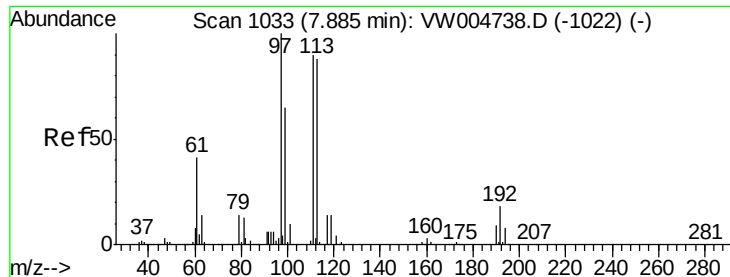
Tgt Ion: 65 Resp: 323273
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 114 Resp: 1030756
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.293 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

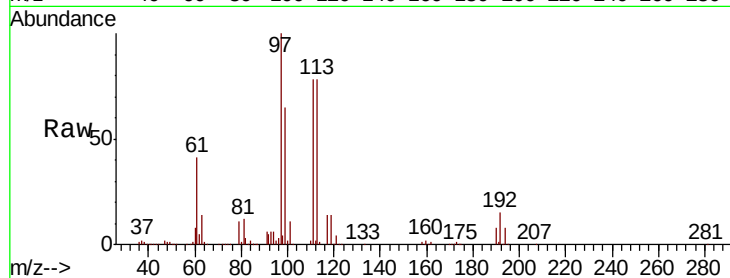
Tgt Ion: 113 Resp: 331325

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

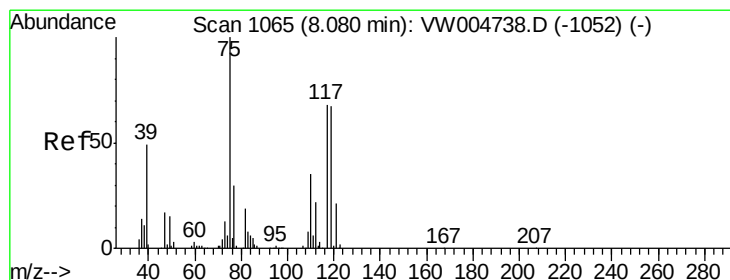
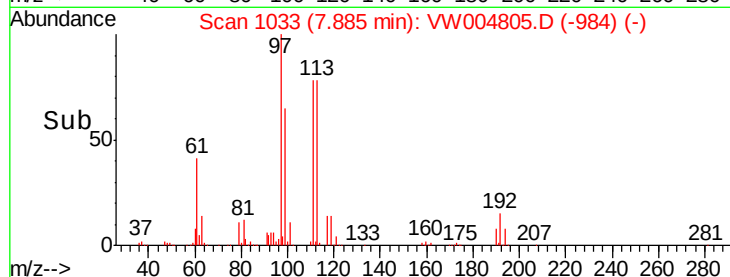
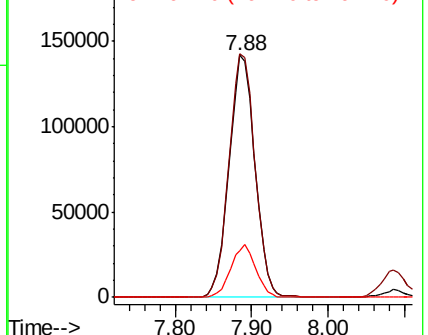
192 20.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.640 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

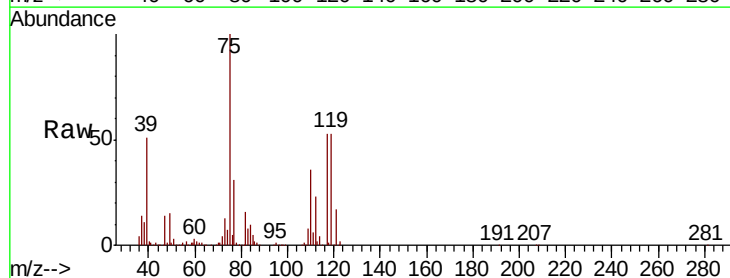
Tgt Ion: 75 Resp: 548350

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.5

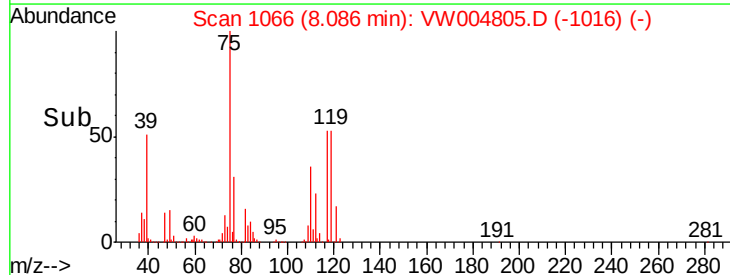
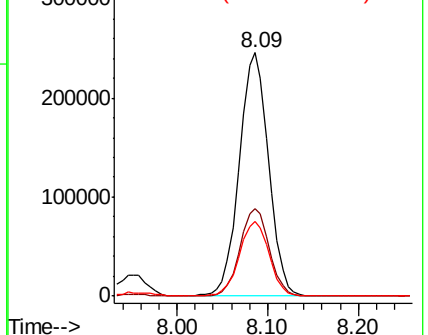
77 31.4 24.9 37.3

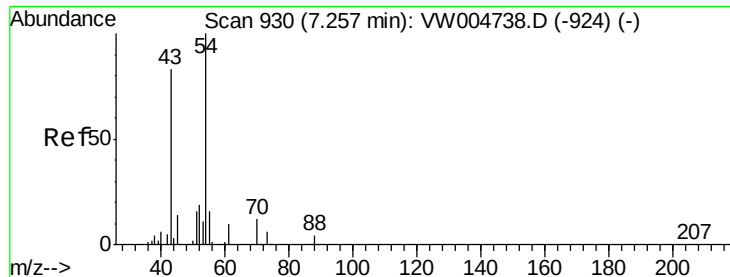


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

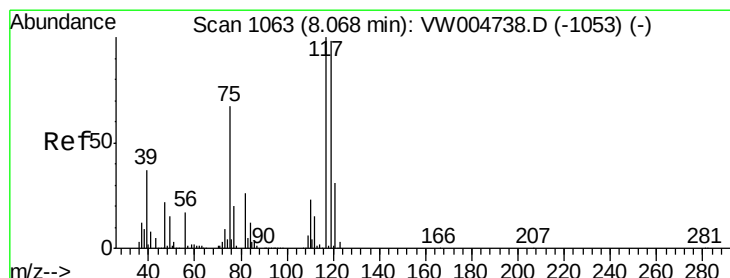
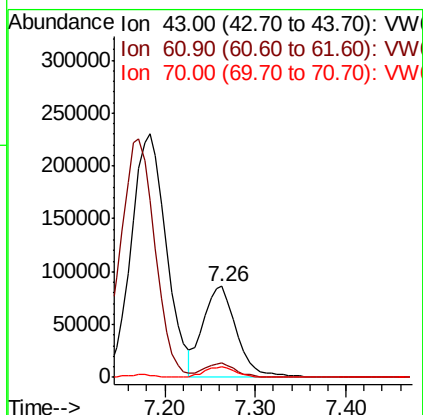
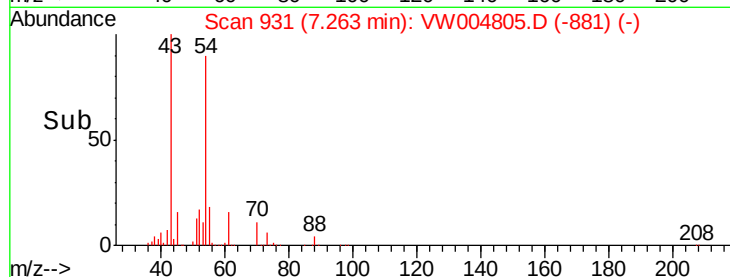
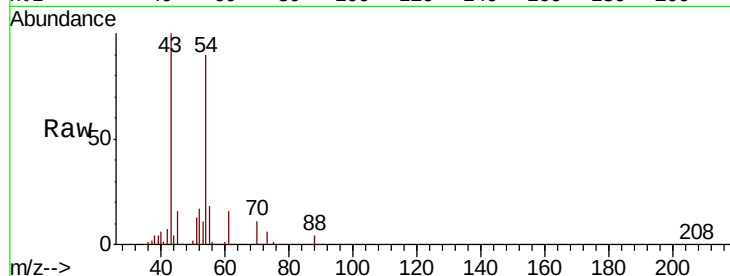




#37
Ethyl Acetate
Concen: 52.328 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

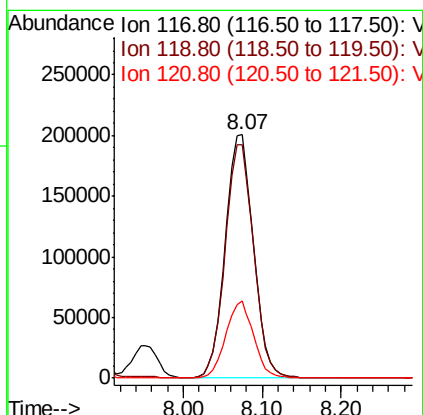
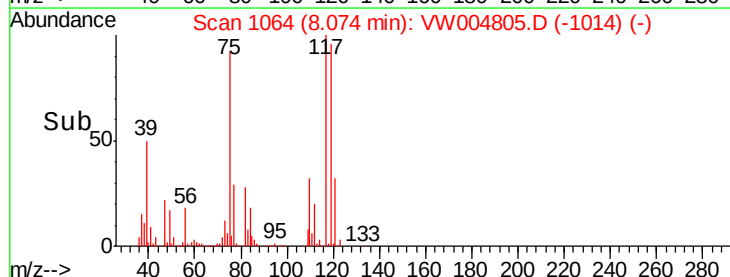
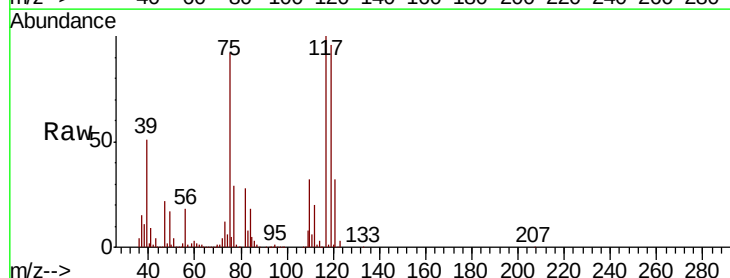
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

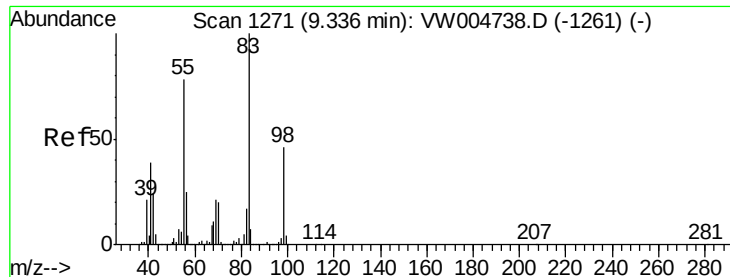
Tgt Ion: 43 Resp: 221498
Ion Ratio Lower Upper
43 100
61 14.8 11.6 17.4
70 10.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 51.253 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 117 Resp: 500970
Ion Ratio Lower Upper
117 100
119 96.0 78.0 117.0
121 31.6 24.8 37.2

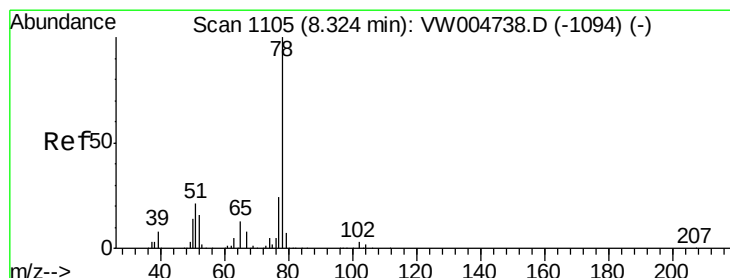
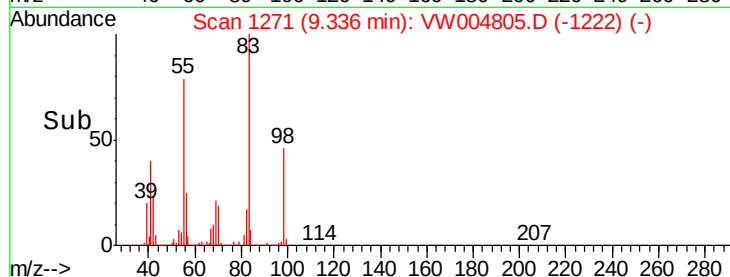
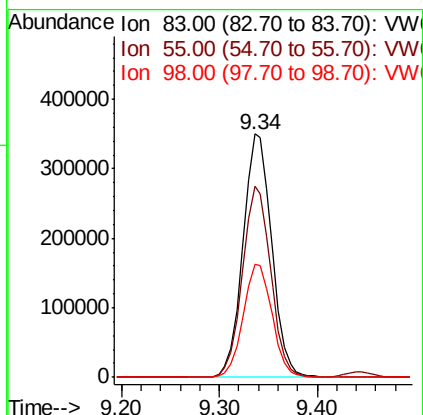
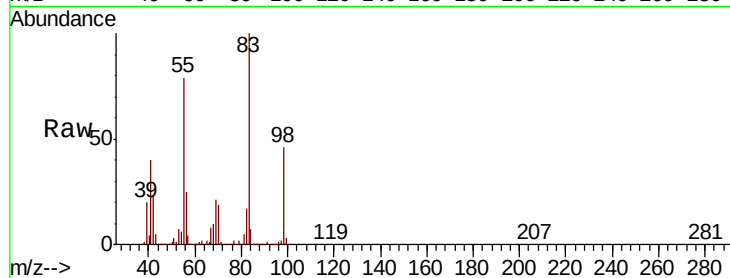




#39
Methylcyclohexane
Concen: 53.727 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

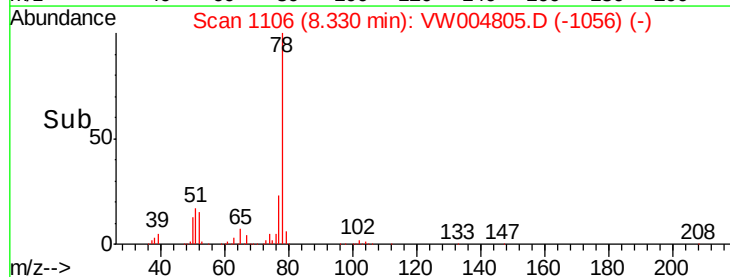
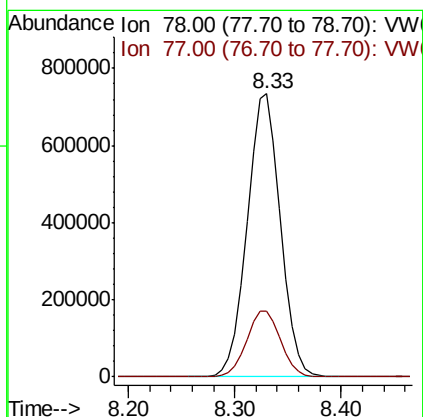
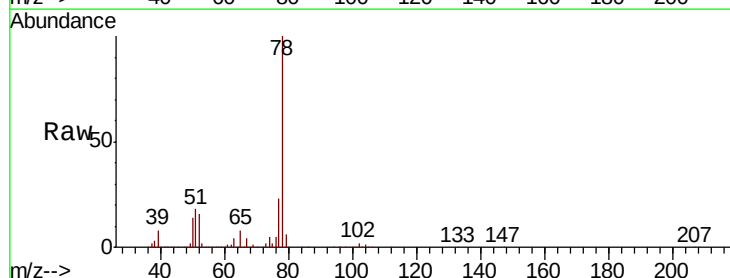
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

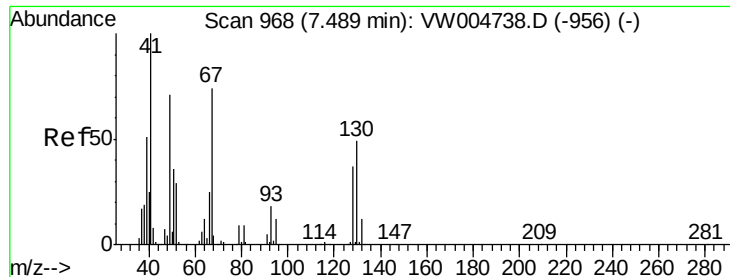
Tgt Ion: 83 Resp: 713456
Ion Ratio Lower Upper
83 100
55 78.6 62.4 93.6
98 46.3 36.5 54.7



#40
Benzene
Concen: 51.956 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 78 Resp: 1603351
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

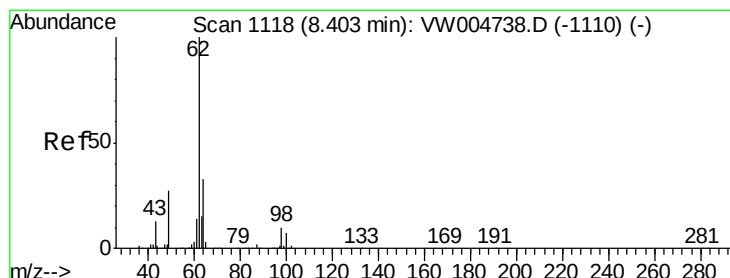
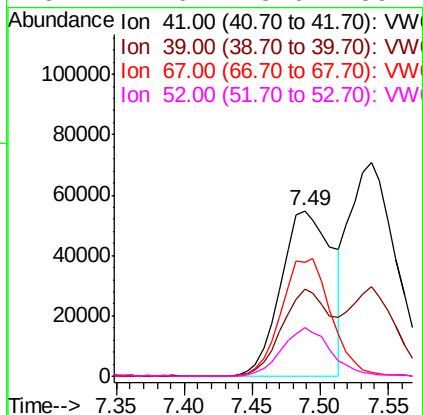
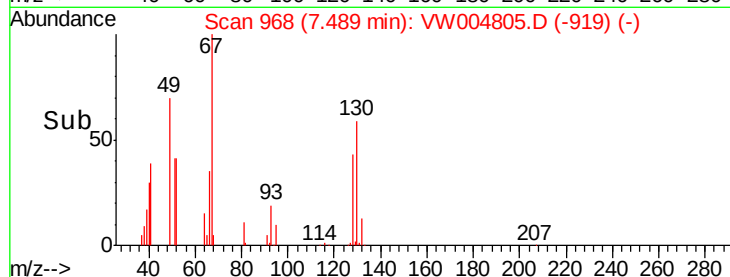
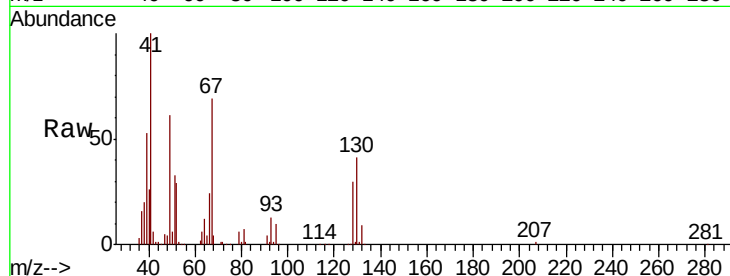




#41
Methacrylonitrile
Concen: 60.122 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

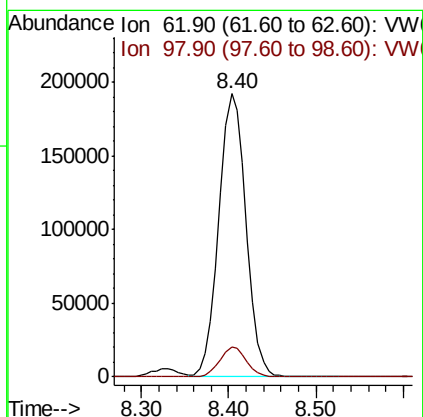
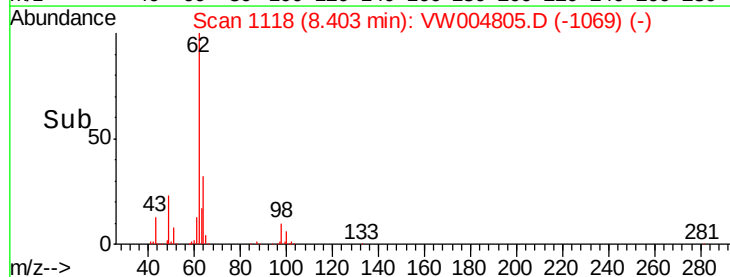
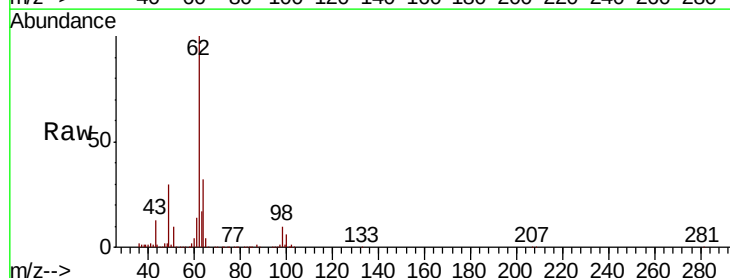
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

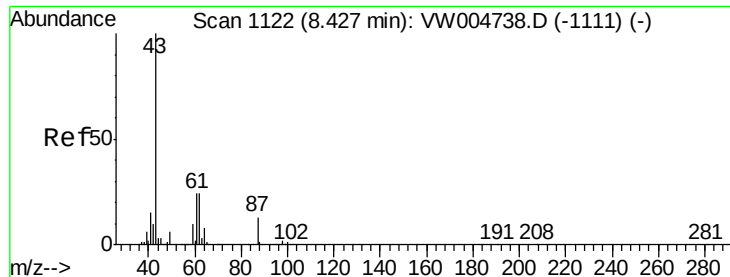
Tgt Ion:	41	Resp:	144427
Ion	Ratio	Lower	Upper
41	100		
39	50.0	41.0	61.4
67	69.0	59.5	89.3
52	27.6	23.6	35.4



#42
1,2-Dichloroethane
Concen: 52.406 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion:	62	Resp:	414706
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 54.465 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

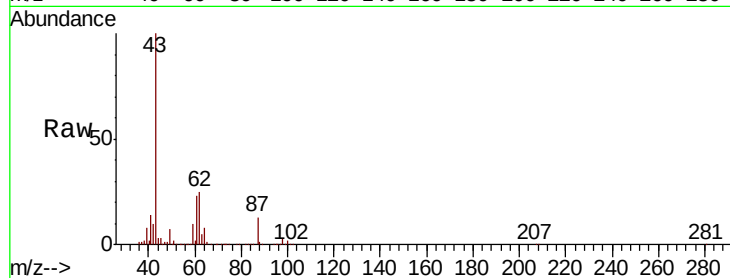
Tgt Ion: 43 Resp: 414111

Ion Ratio Lower Upper

43 100

61 32.4 26.2 39.4

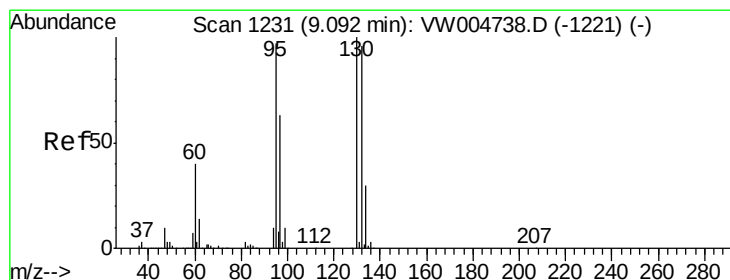
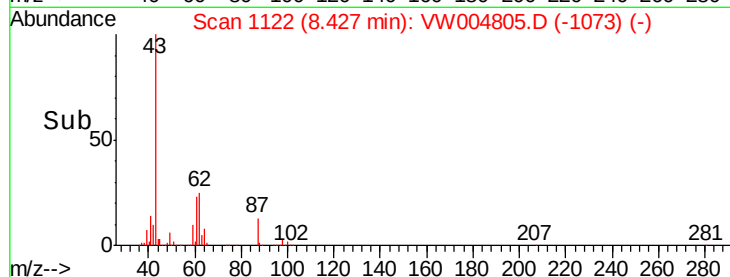
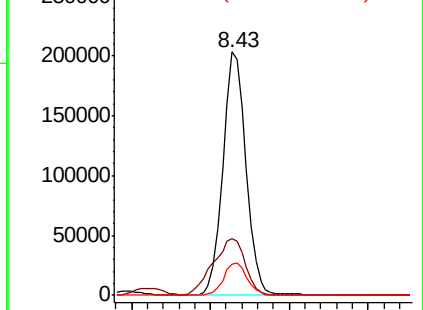
87 13.7 10.9 16.3



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: 51.556 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004805.D

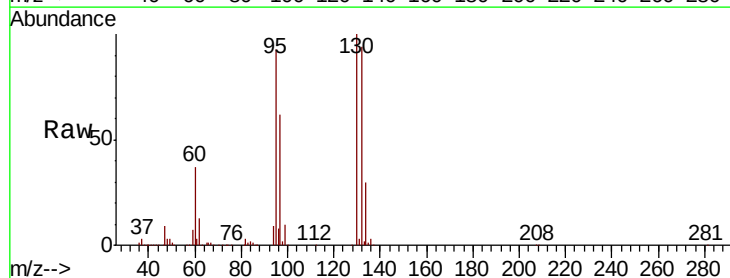
Acq: 20 Aug 2018 21:19

Tgt Ion: 130 Resp: 403864

Ion Ratio Lower Upper

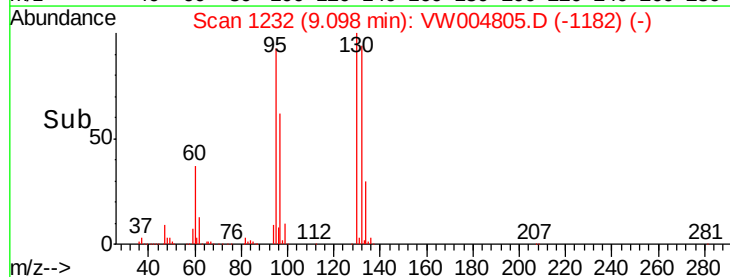
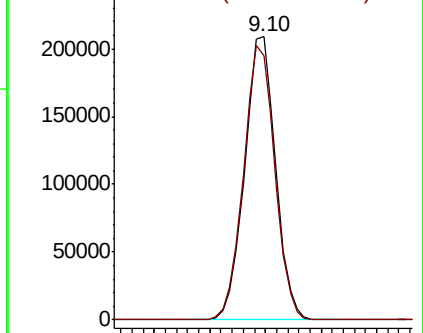
130 100

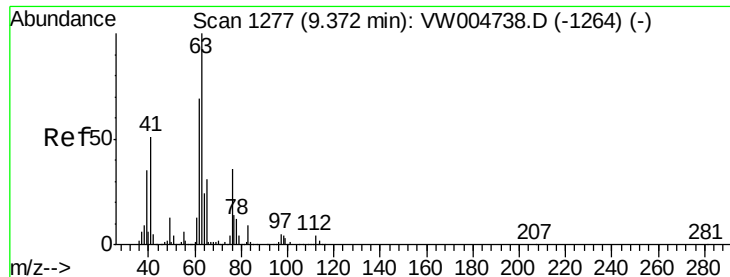
95 93.4 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

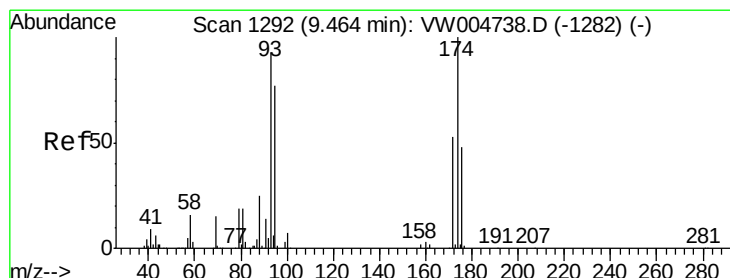
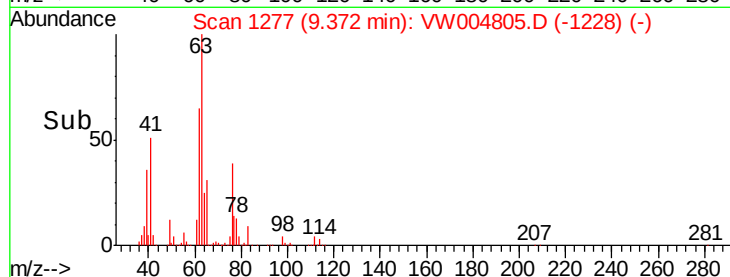
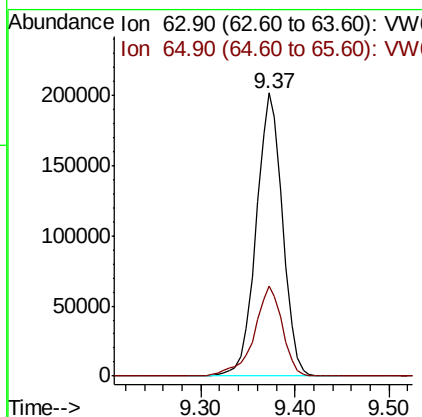
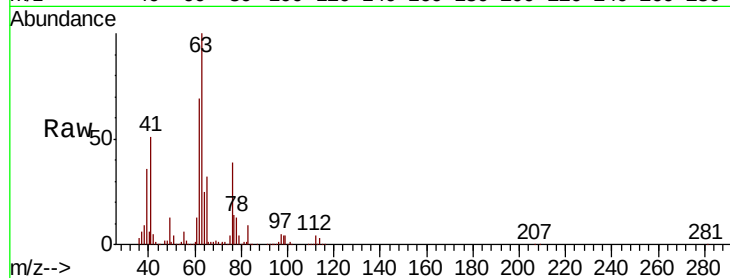




#45
 1,2-Dichloropropane
 Concen: 52.355 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

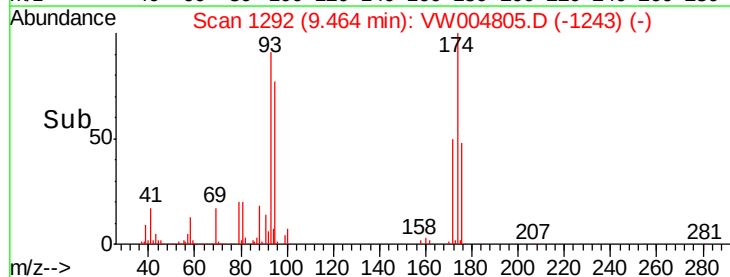
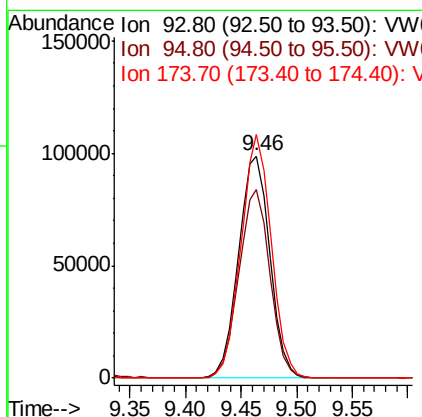
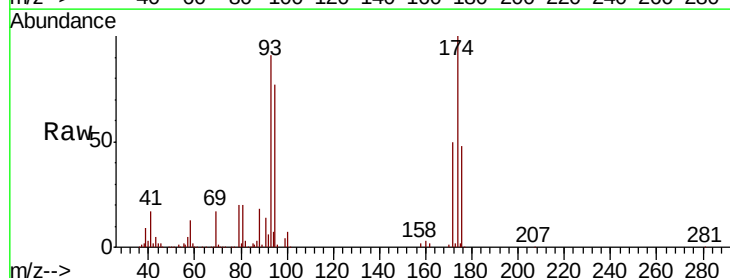
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

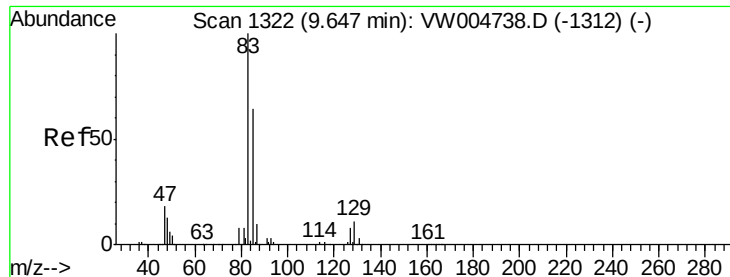
Tgt Ion: 63 Resp: 395203
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 37.0



#46
 Dibromomethane
 Concen: 51.618 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 93 Resp: 193035
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 99.8
 174 106.1 85.3 127.9





#47

Bromodichloromethane

Concen: 52.753 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

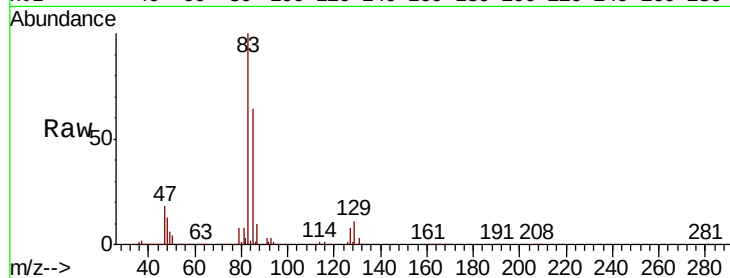
Tgt Ion: 83 Resp: 471146

Ion Ratio Lower Upper

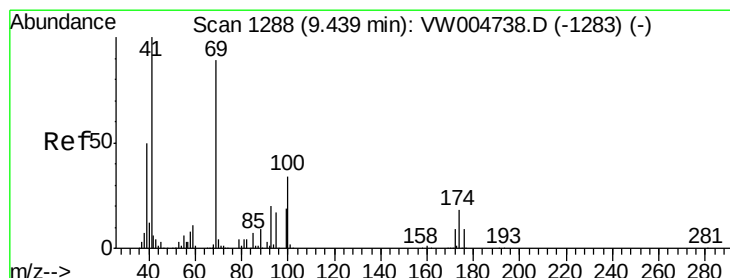
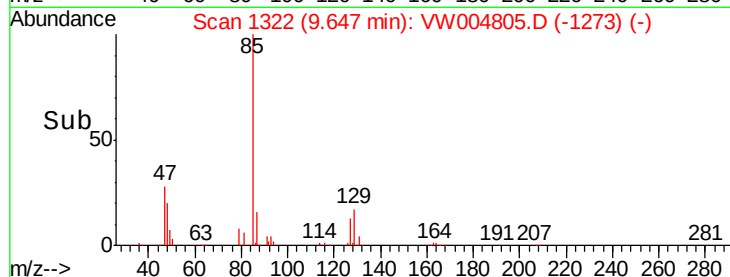
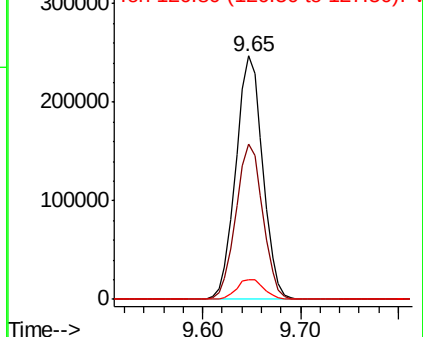
83 100

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: 55.171 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

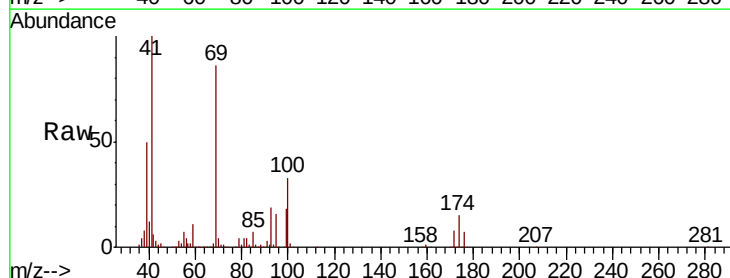
Tgt Ion: 41 Resp: 196831

Ion Ratio Lower Upper

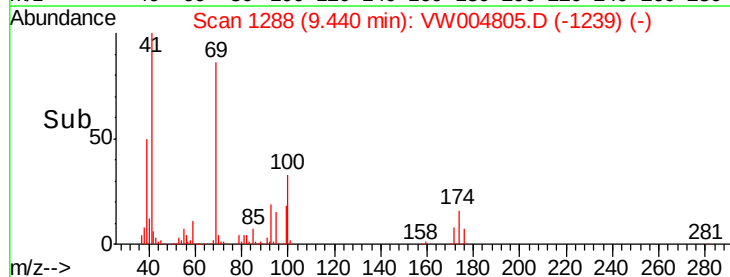
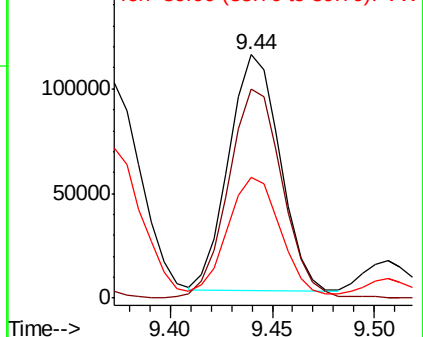
41 100

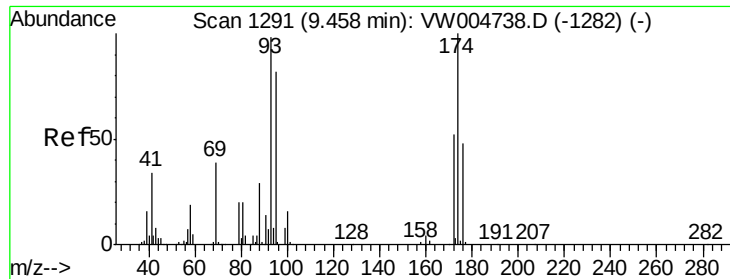
69 93.4 75.2 112.8

39 50.1 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

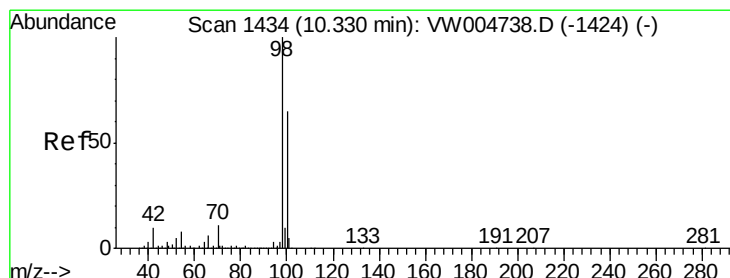
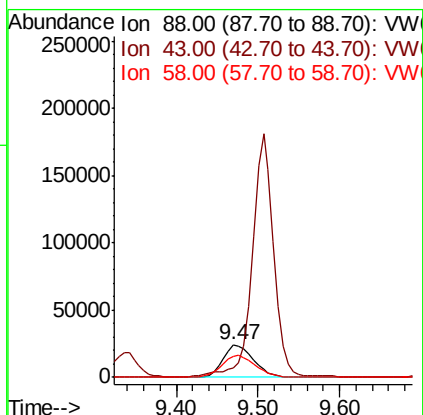
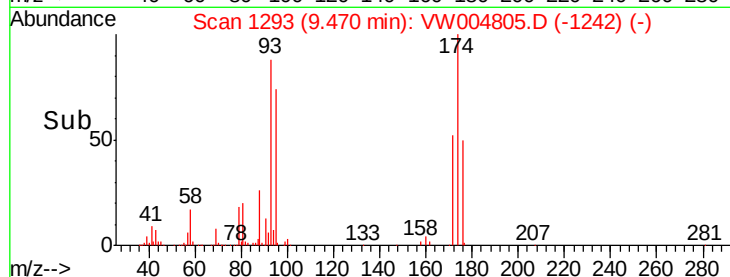
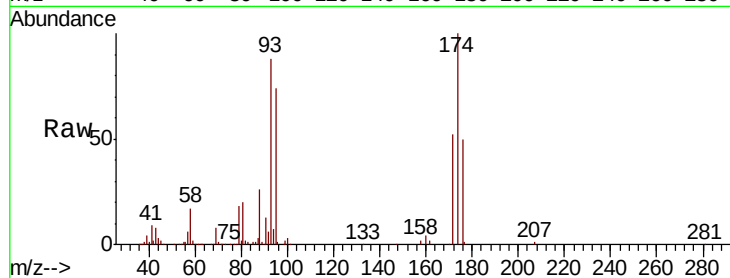




#49
1,4-Dioxane
Concen: 1139.923 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

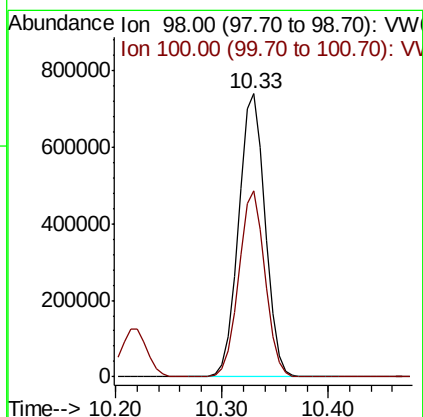
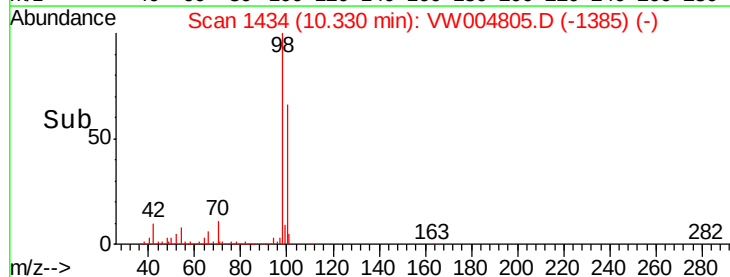
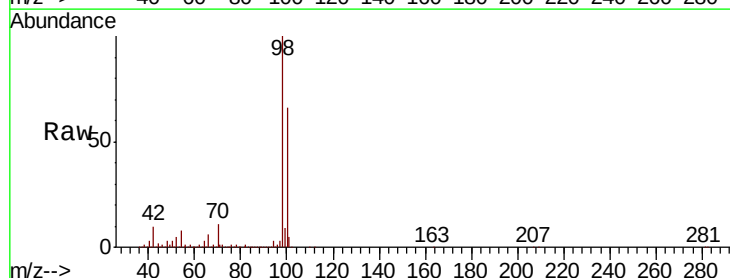
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

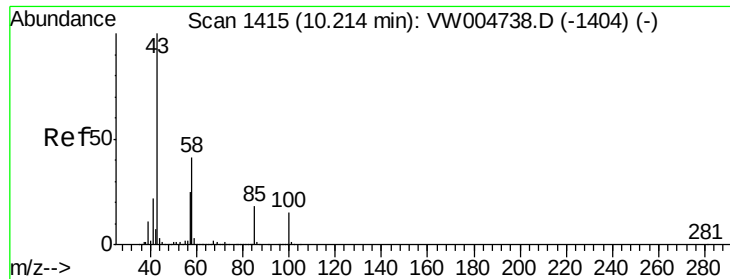
Tgt Ion: 88 Resp: 62281
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 76.2 60.0 90.0



#50
Toluene-d8
Concen: 50.296 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 98 Resp: 1293443
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

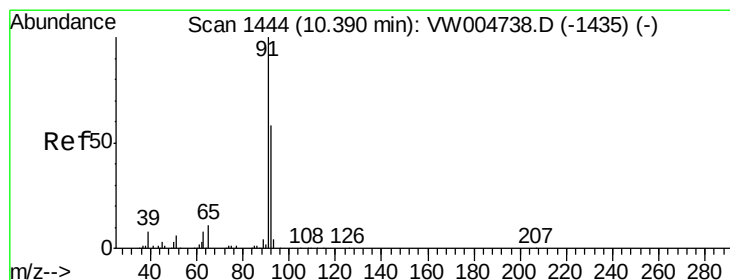
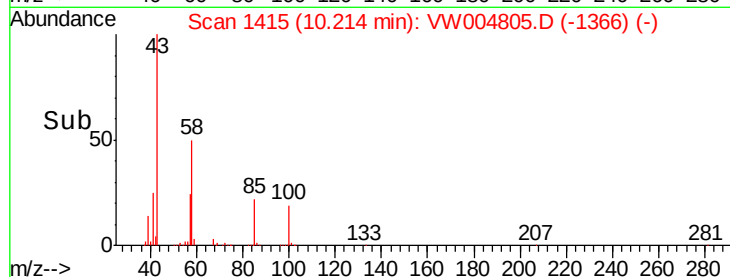
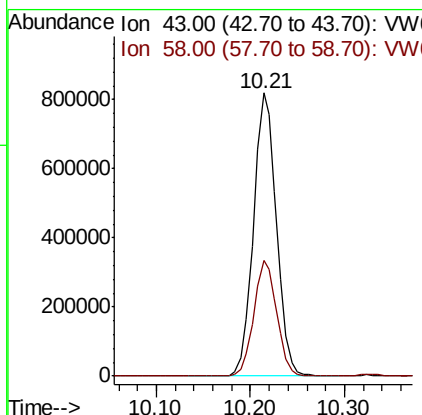
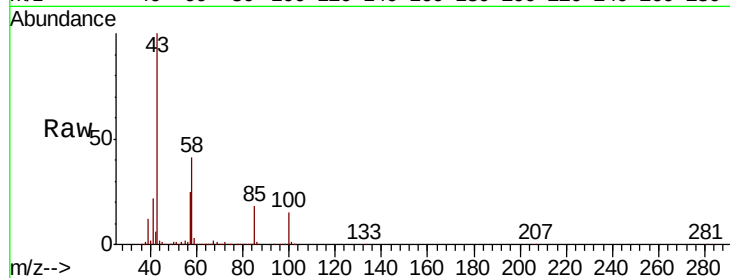




#51
 4-Methyl-2-Pentanone
 Concen: 273.392 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

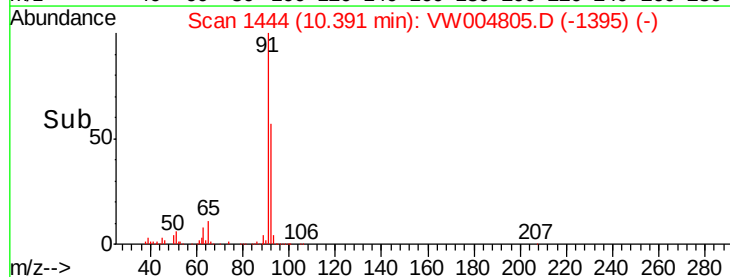
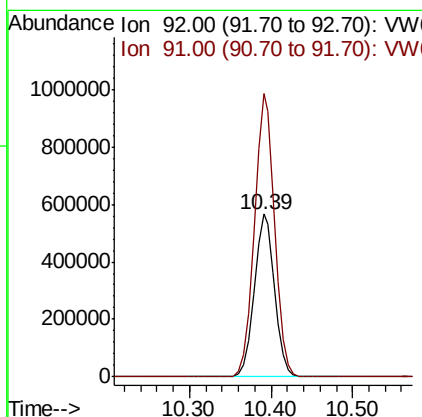
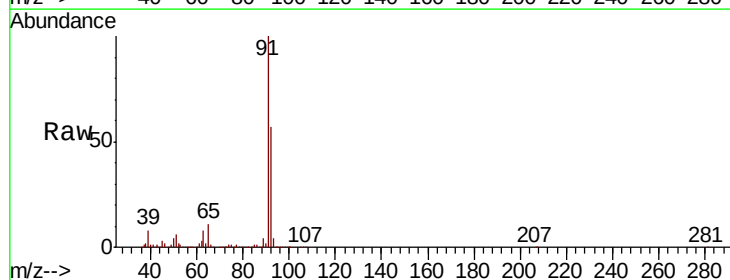
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

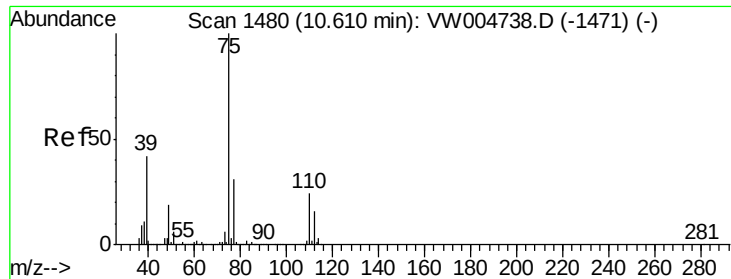
Tgt Ion: 43 Resp: 1404853
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.7 49.1



#52
 Toluene
 Concen: 53.161 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 92 Resp: 983906
 Ion Ratio Lower Upper
 92 100
 91 173.1 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 53.799 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

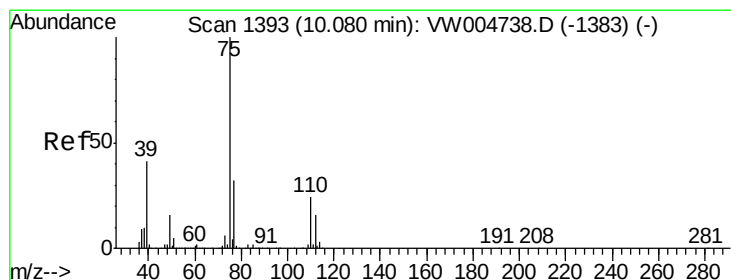
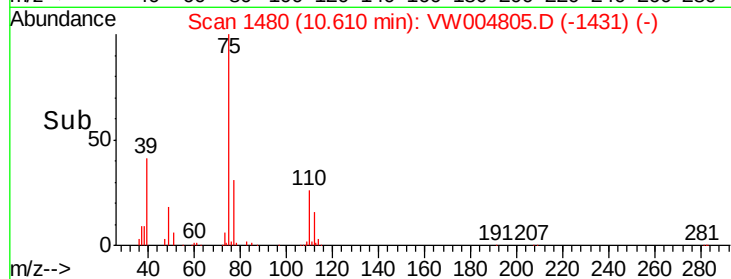
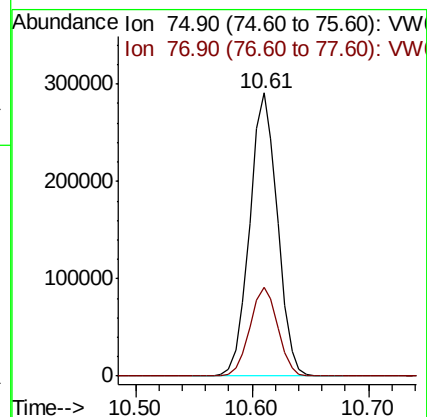
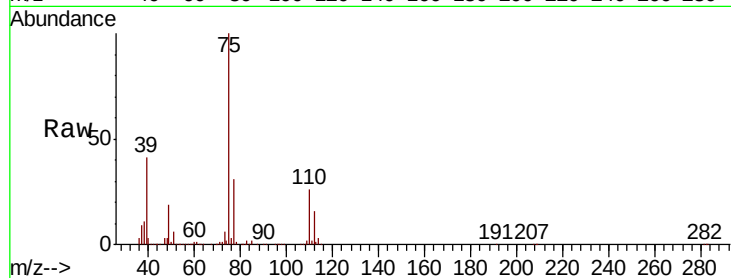
VSTDCCC050EC

Tgt Ion: 75 Resp: 484095

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 53.564 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

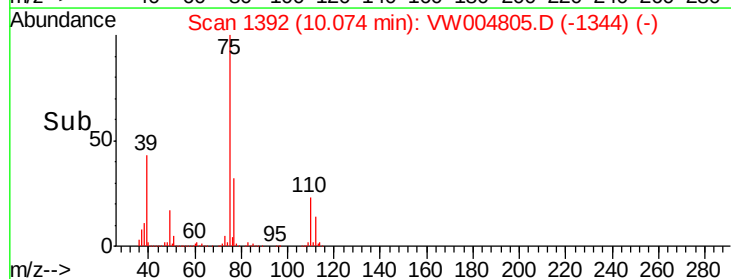
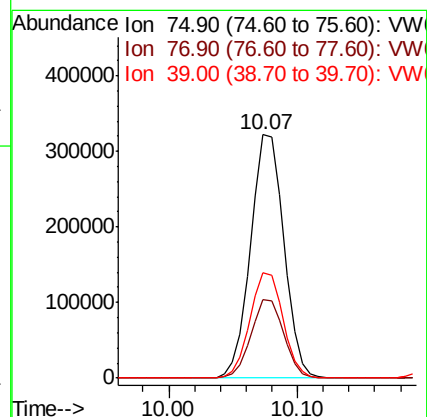
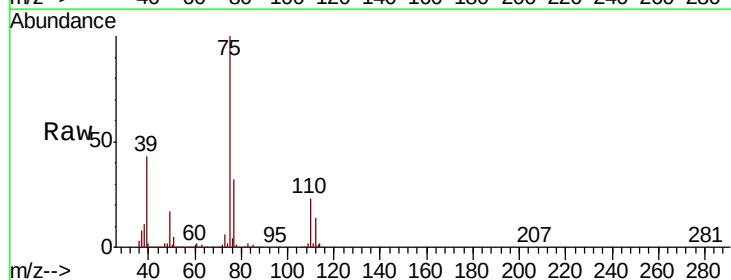
Tgt Ion: 75 Resp: 574591

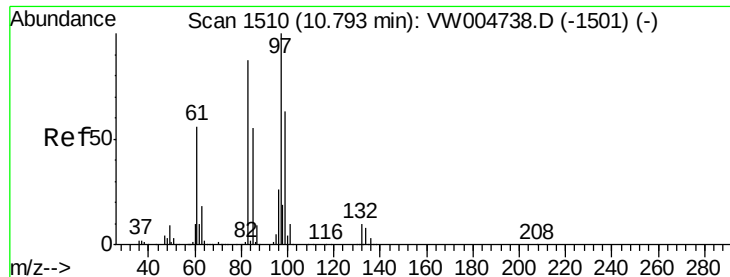
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 43.2 33.0 49.4

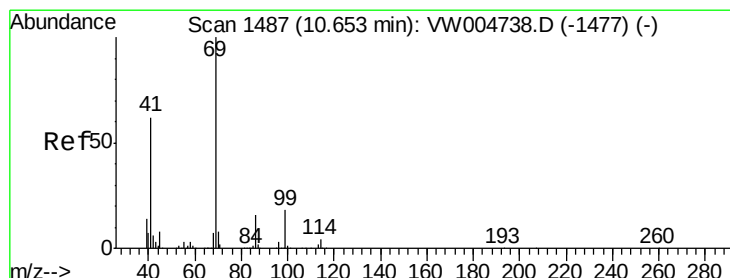
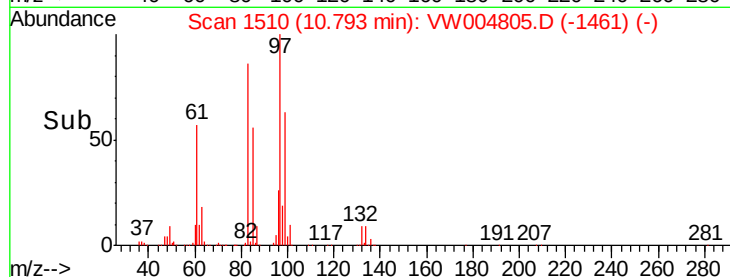
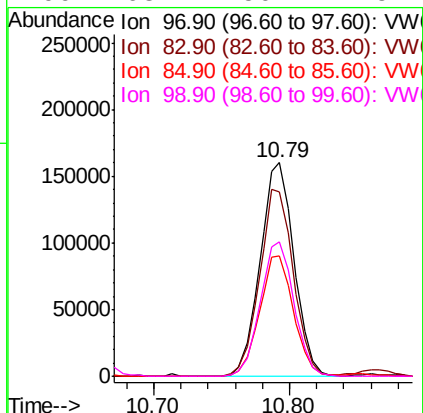
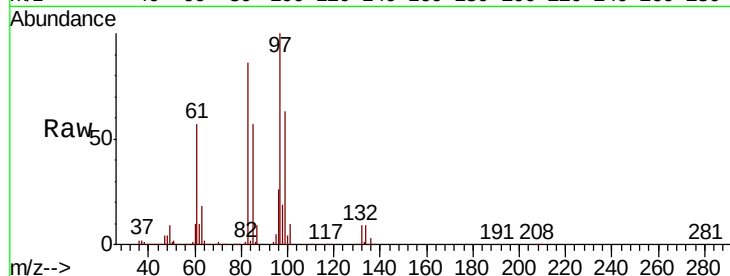




#55
 1,1,2-Trichloroethane
 Concen: 52.443 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

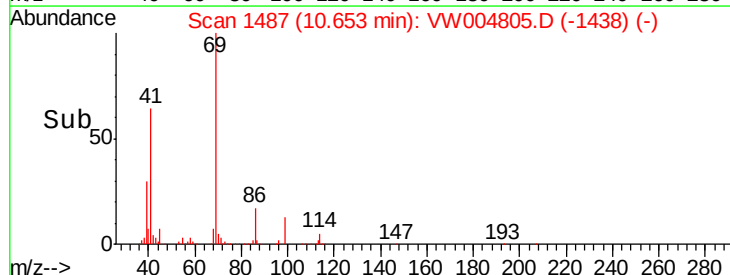
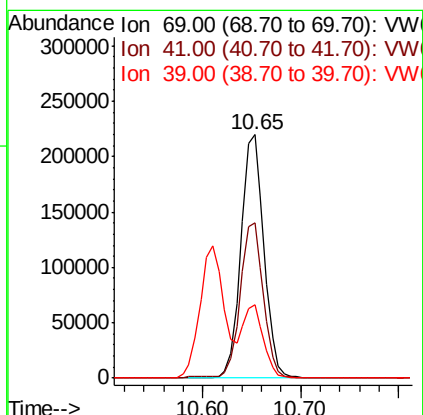
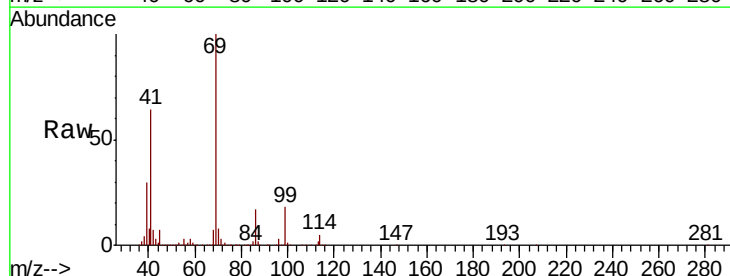
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

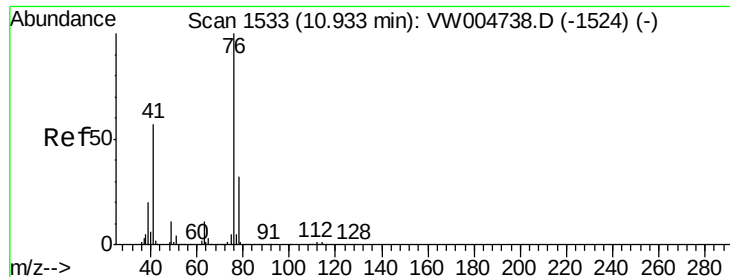
Tgt Ion:	97	Resp:	278775
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.2
85	56.4	44.3	66.5
99	63.1	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.337 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion:	69	Resp:	357106
Ion	Ratio	Lower	Upper
69	100		
41	63.3	50.7	76.1
39	26.7	21.4	32.2





#57

1,3-Dichloropropane

Concen: 53.035 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

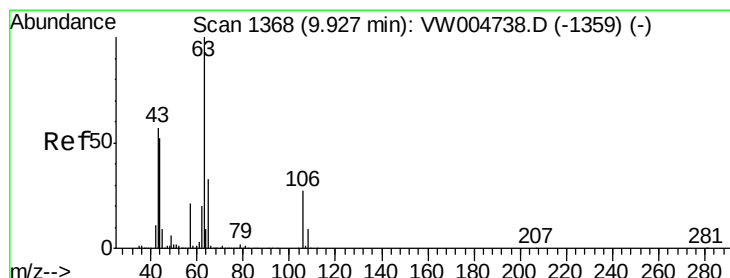
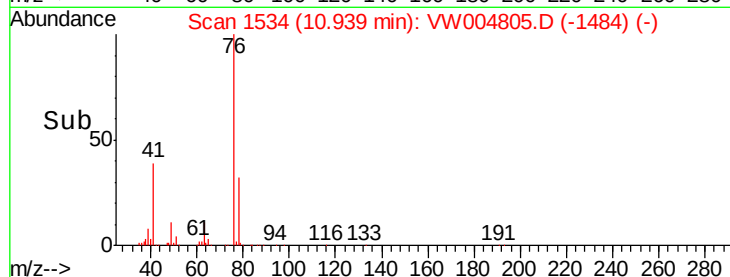
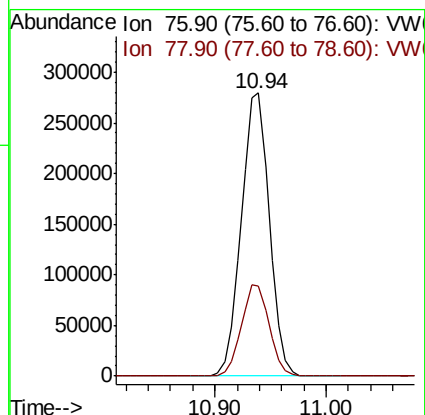
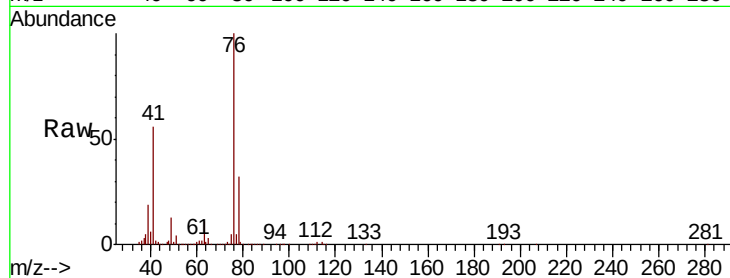
VSTDCCC050EC

Tgt Ion: 76 Resp: 486643

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 290.929 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004805.D

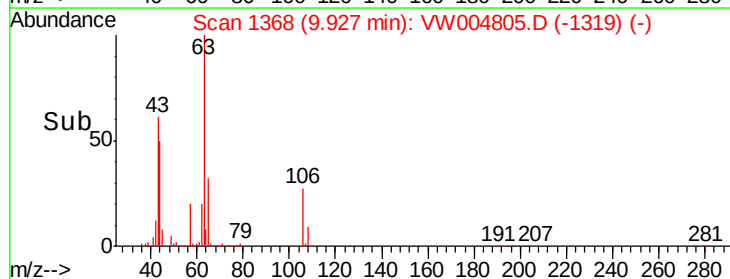
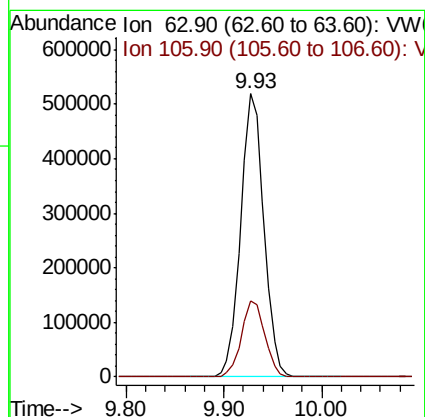
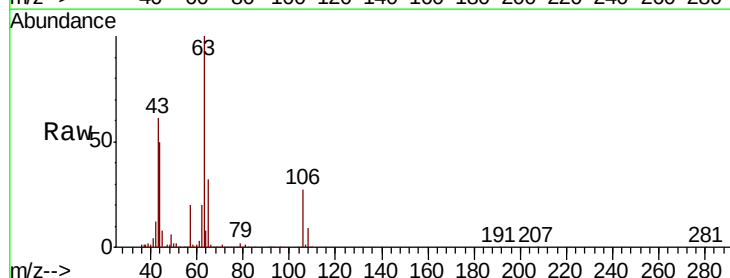
Acq: 20 Aug 2018 21:19

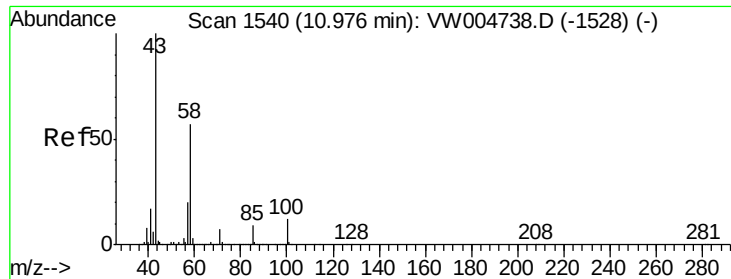
Tgt Ion: 63 Resp: 854084

Ion Ratio Lower Upper

63 100

106 27.2 22.1 33.1

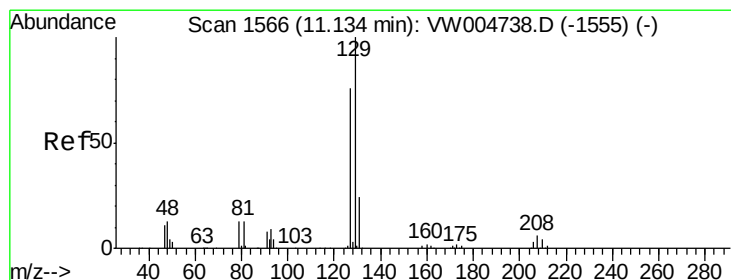
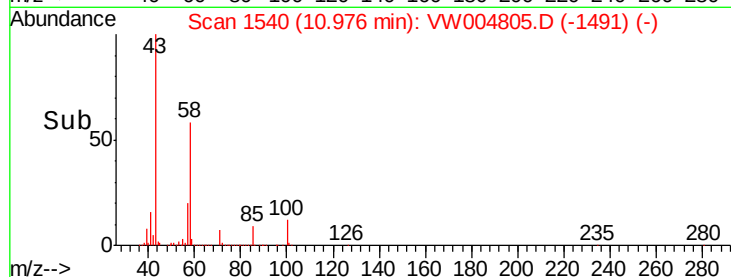
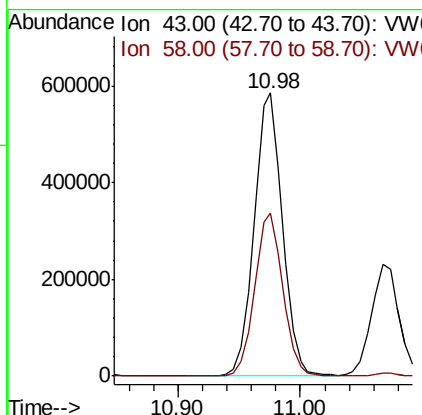
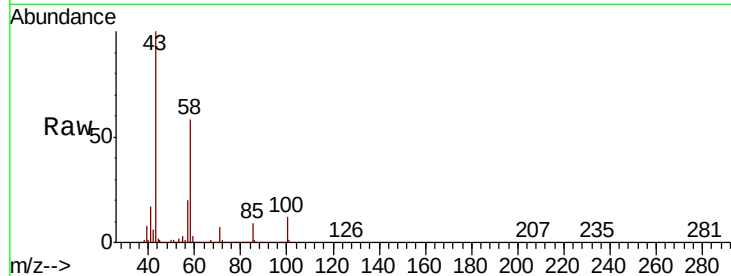




#59
2-Hexanone
Concen: 270.928 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

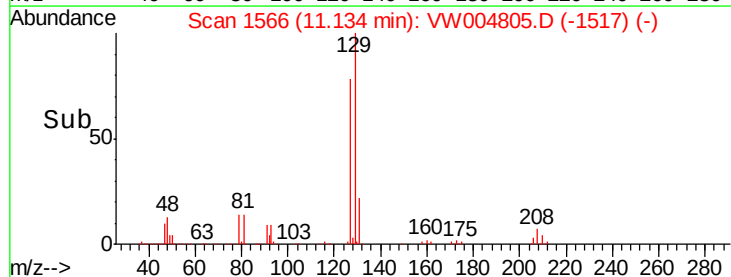
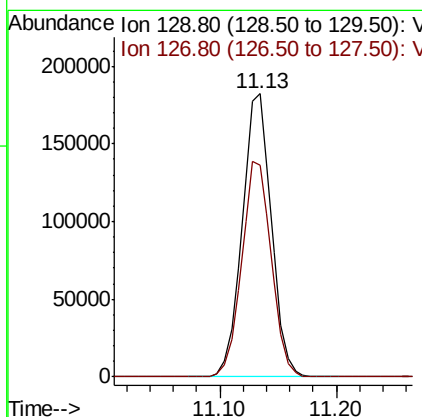
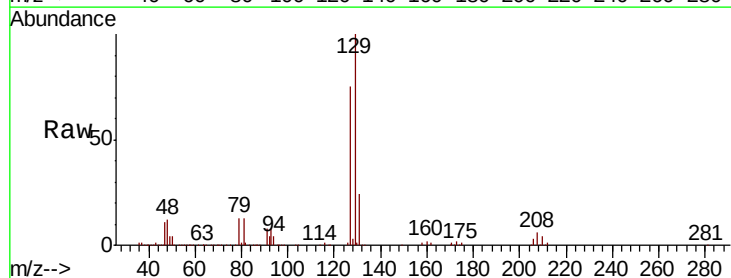
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

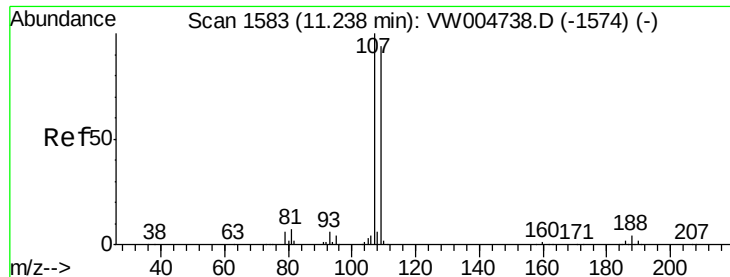
Tgt Ion: 43 Resp: 943303
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.4



#60
Dibromochloromethane
Concen: 53.272 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 129 Resp: 317712
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

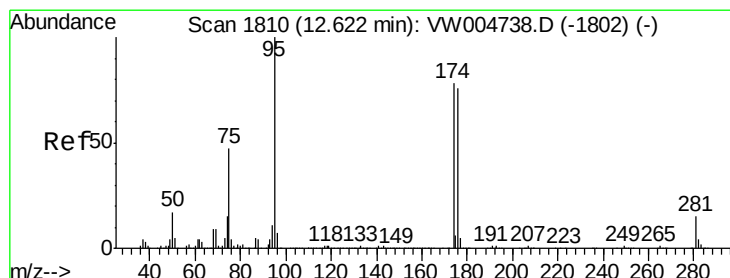
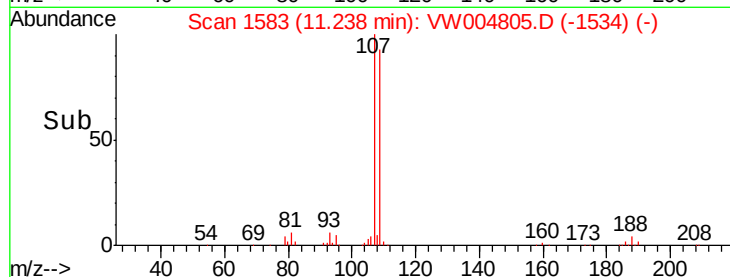
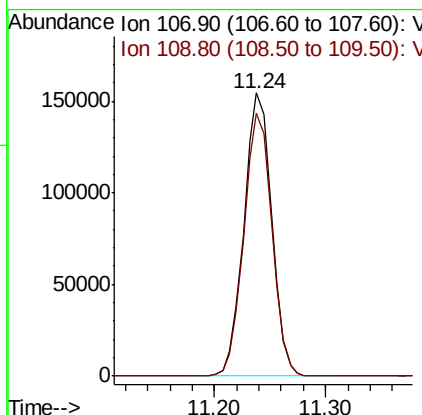
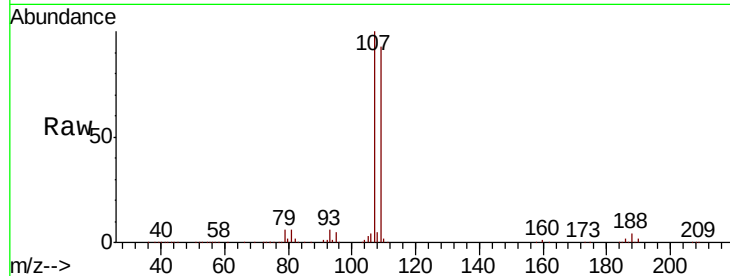




#61
 1,2-Dibromoethane
 Concen: 52.744 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

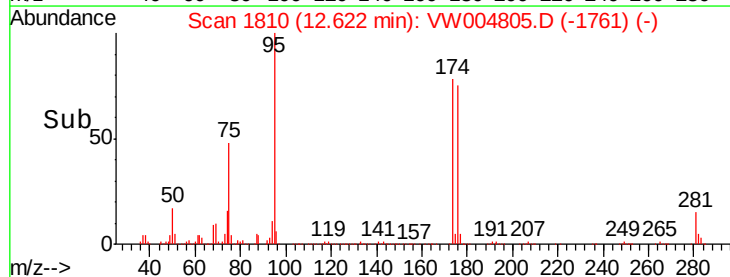
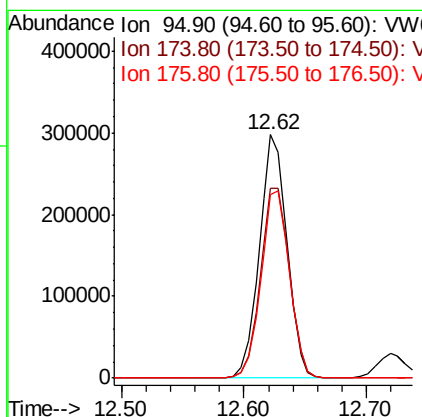
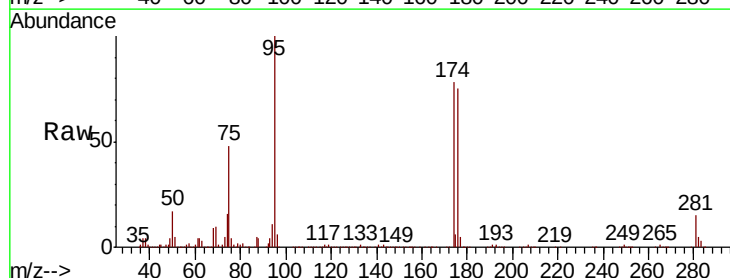
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

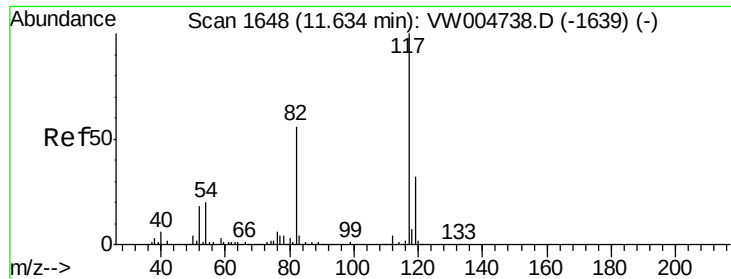
Tgt Ion: 107 Resp: 268005
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.711 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion: 95 Resp: 469171
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 165.8
 176 79.1 0.0 159.8

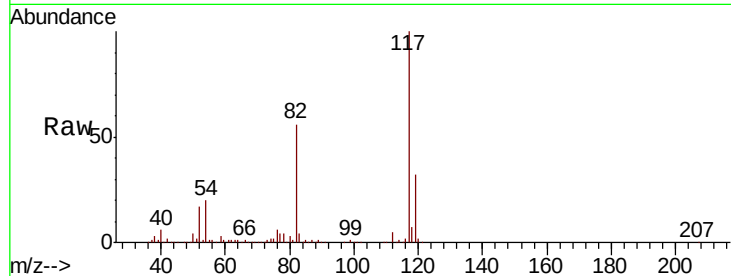




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	31.9	25.6	38.4

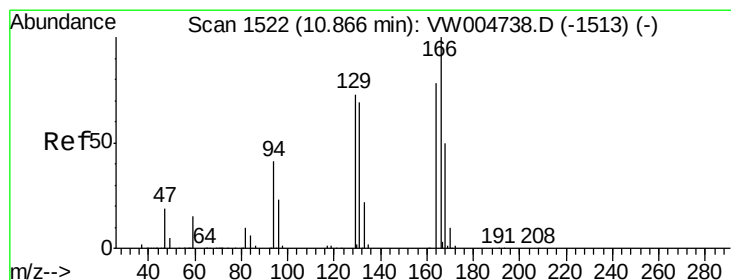
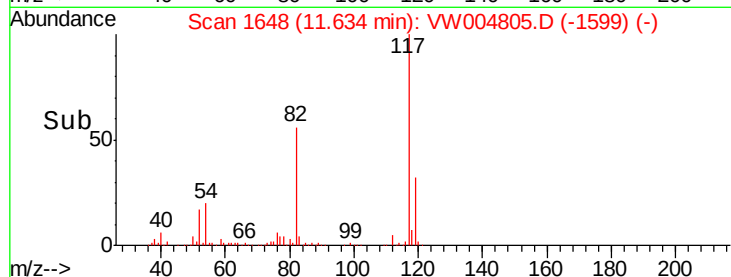
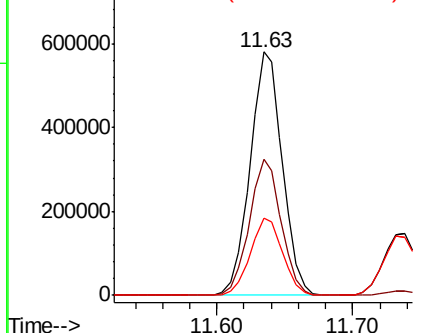


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.397 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.5	153.7
129	92.3	75.1	112.7
131	90.5	71.3	106.9

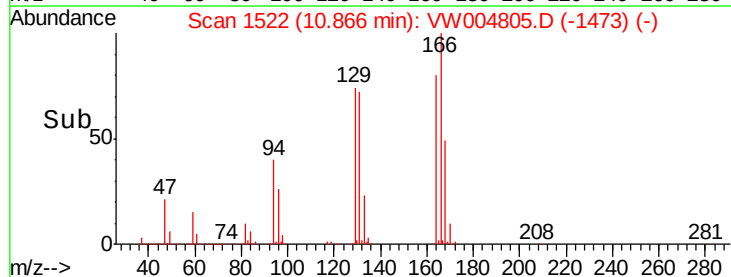
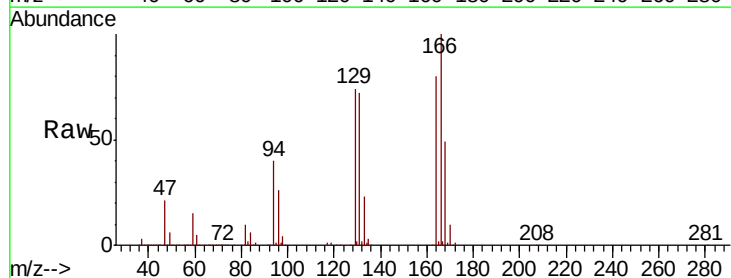
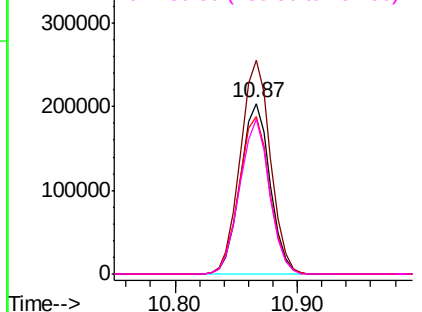
Abundance

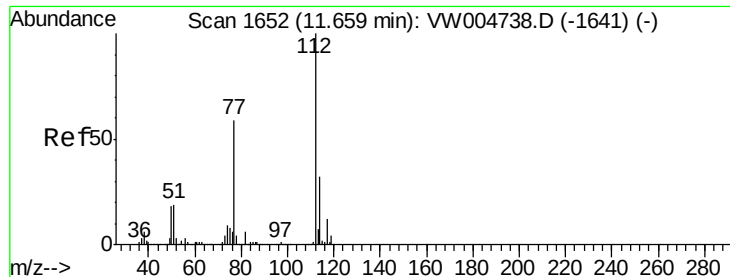
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

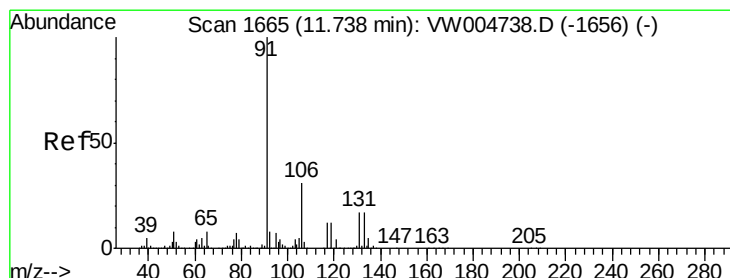
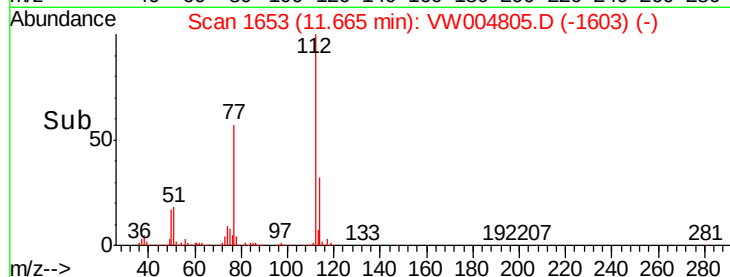
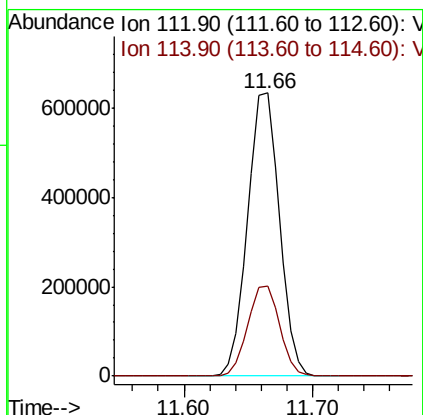
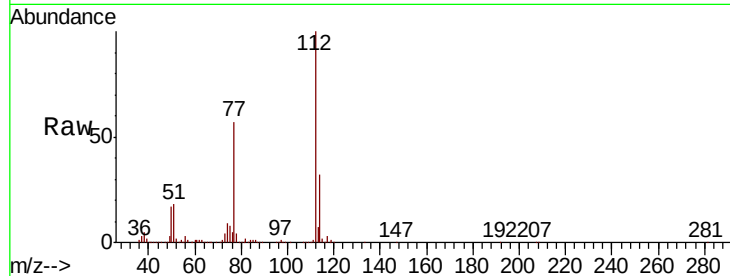




#65
Chlorobenzene
Concen: 52.171 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

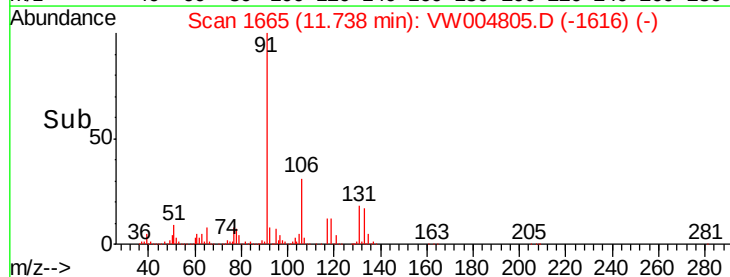
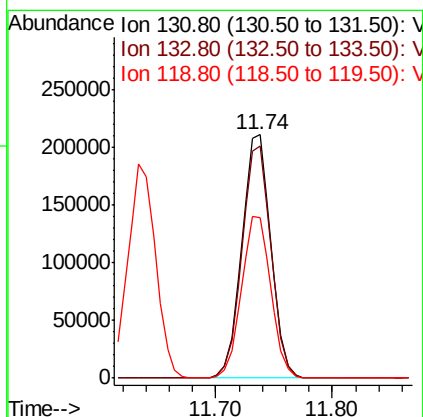
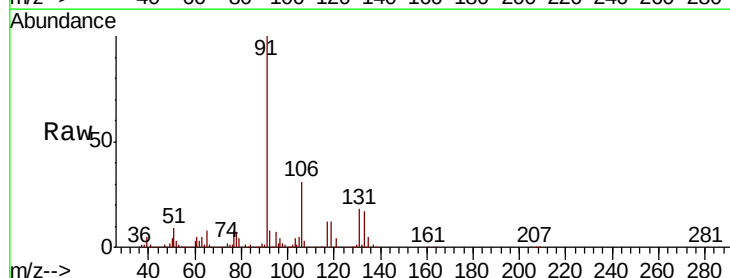
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

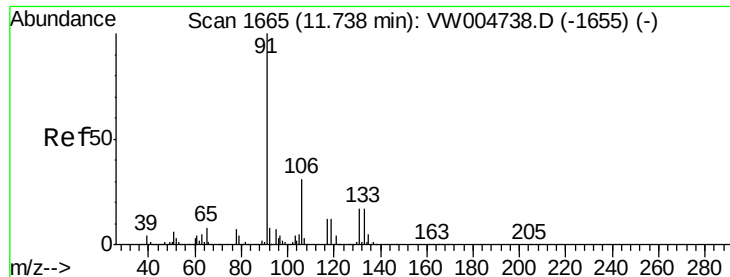
Tgt Ion:112 Resp: 1079260
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.446 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion:131 Resp: 366338
Ion Ratio Lower Upper
131 100
133 95.8 48.2 144.6
119 67.3 34.0 102.0

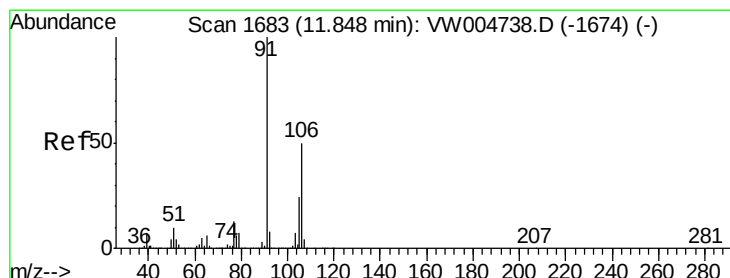
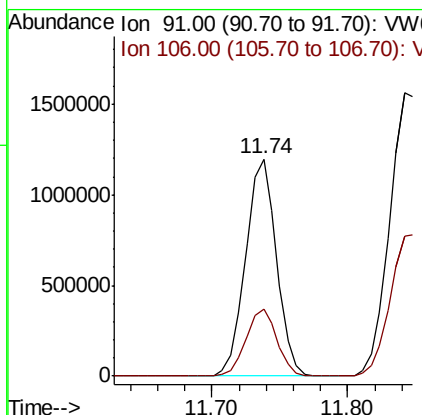
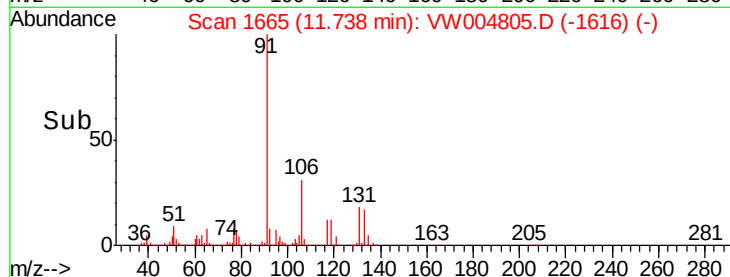
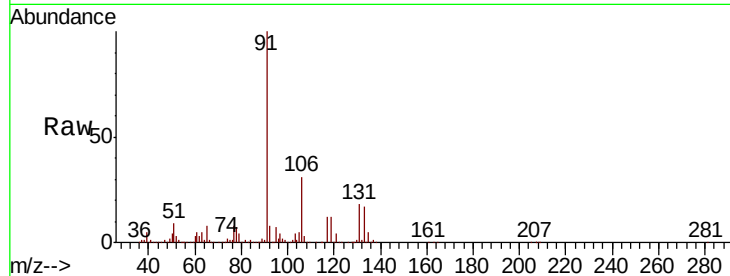




#67
Ethyl Benzene
Concen: 54.221 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

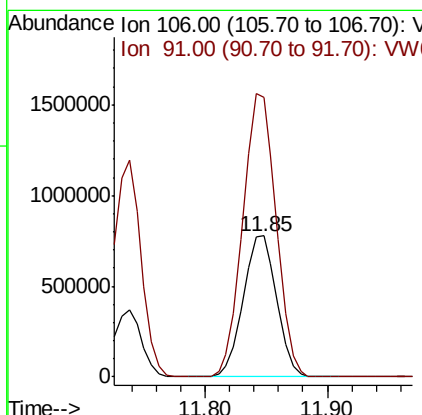
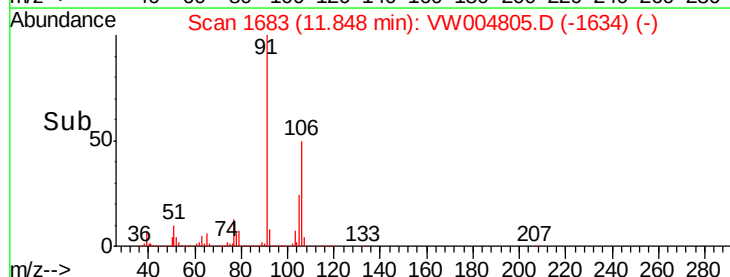
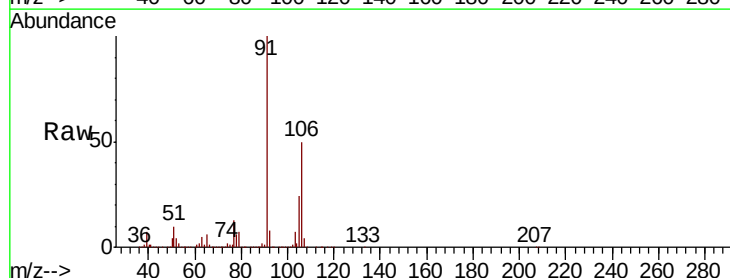
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

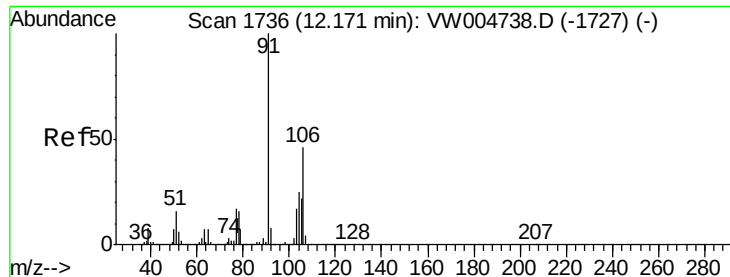
Tgt Ion: 91 Resp: 1901550
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 108.152 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion: 106 Resp: 1475665
Ion Ratio Lower Upper
106 100
91 200.6 159.9 239.9

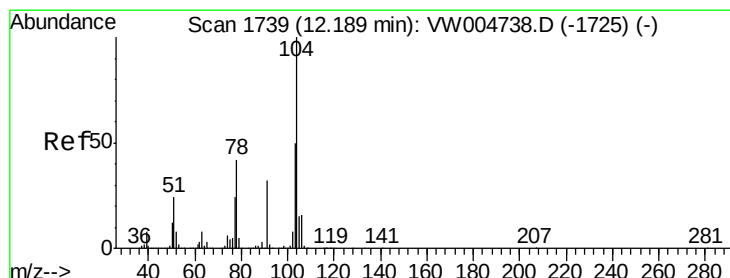
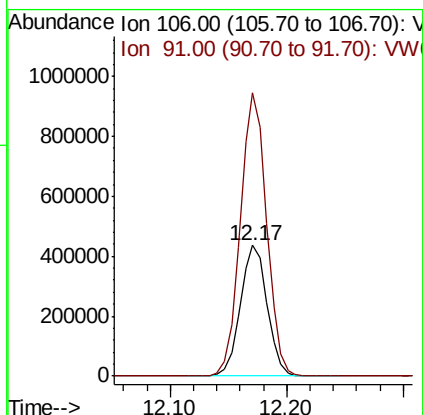
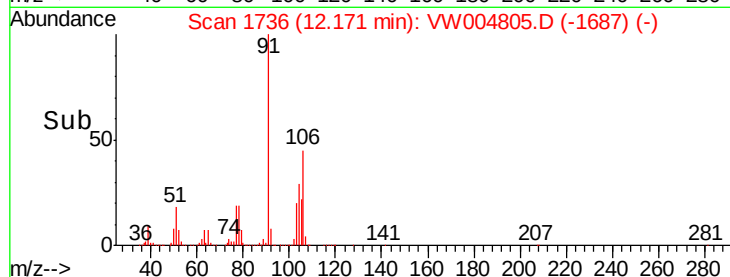
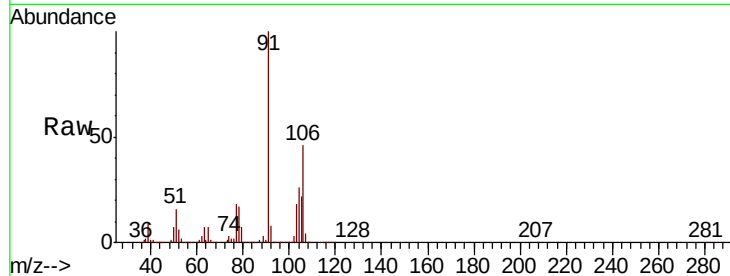




#69
o-Xylene
Concen: 55.233 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

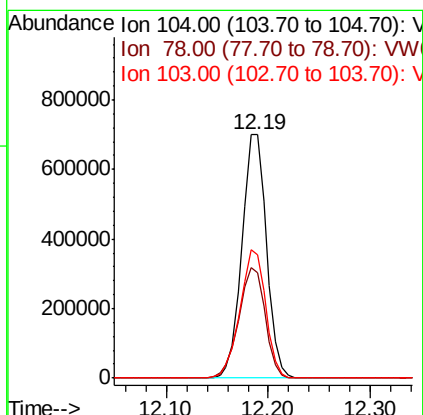
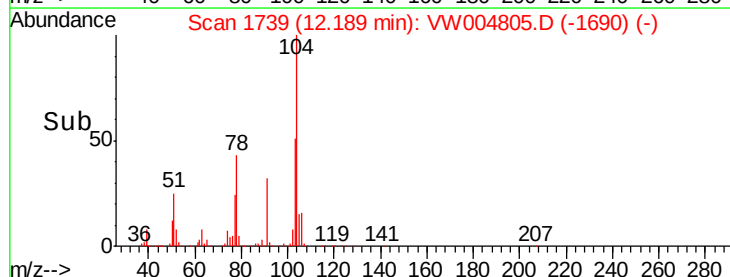
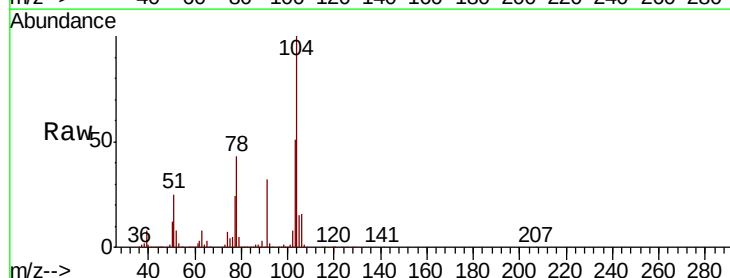
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

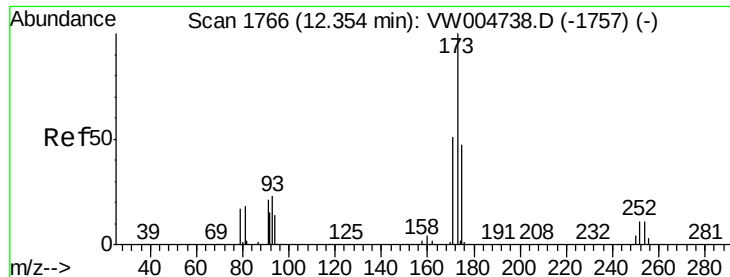
Tgt Ion:106 Resp: 697658
Ion Ratio Lower Upper
106 100
91 213.2 107.3 321.8



#70
Styrene
Concen: 55.156 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion:104 Resp: 1170275
Ion Ratio Lower Upper
104 100
78 48.6 38.4 57.6
103 55.1 44.1 66.1





#71

Bromoform

Concen: 52.921 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

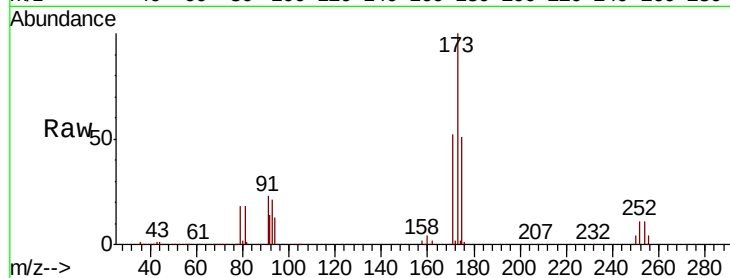
Tgt Ion:173 Resp: 195110

Ion Ratio Lower Upper

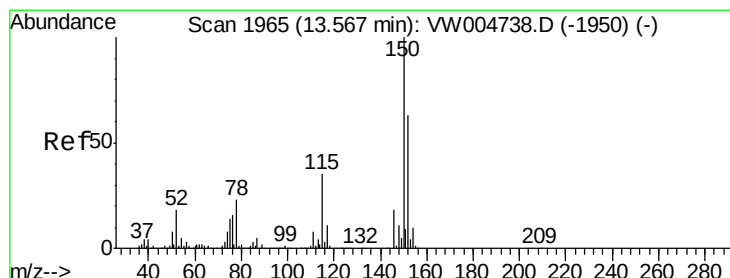
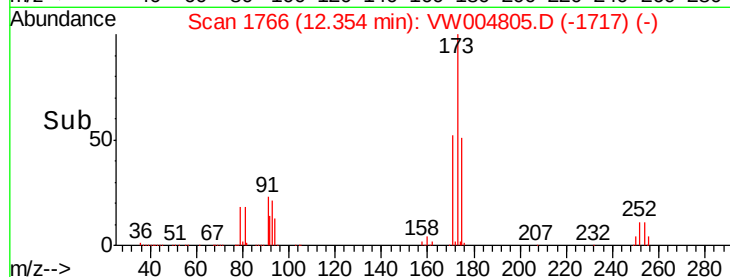
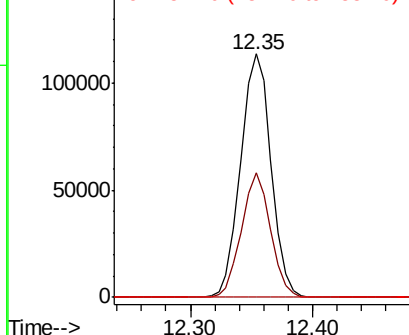
173 100

175 49.2 23.8 71.4

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

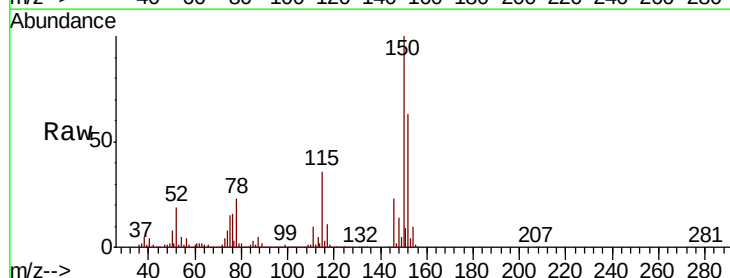
Tgt Ion:152 Resp: 501644

Ion Ratio Lower Upper

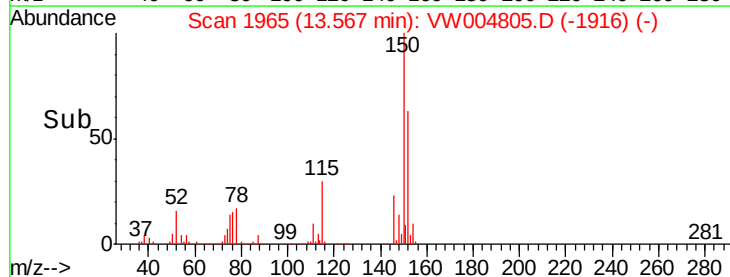
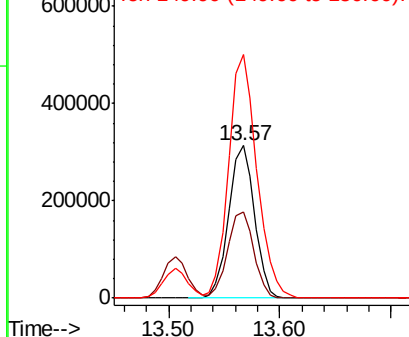
152 100

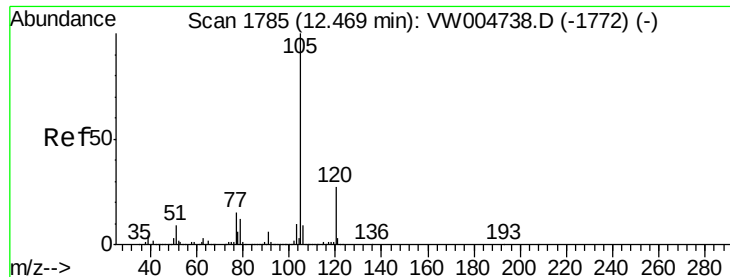
115 57.7 28.5 85.5

150 174.8 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: 56.018 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

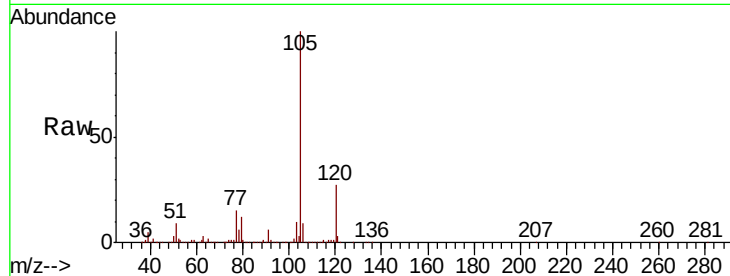
VSTDCCC050EC

Tgt Ion:105 Resp: 1911770

Ion Ratio Lower Upper

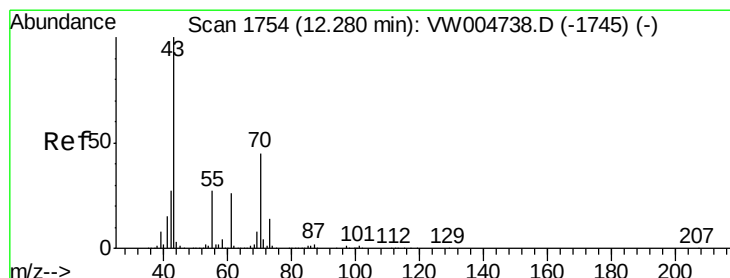
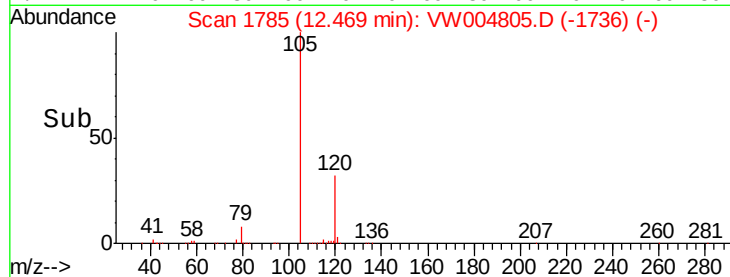
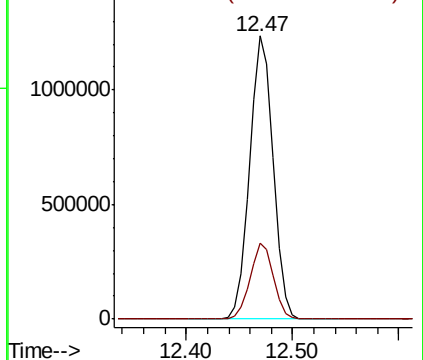
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 49.708 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Tgt Ion: 43 Resp: 397111

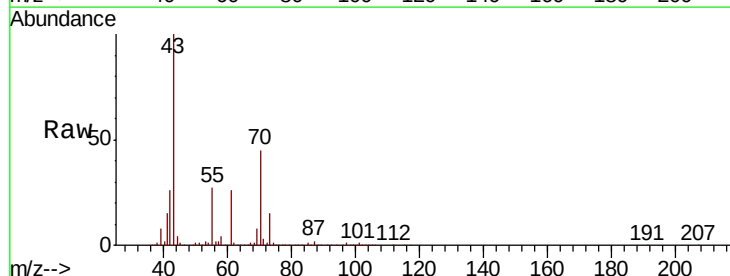
Ion Ratio Lower Upper

43 100

70 45.1 36.3 54.5

55 28.2 22.6 33.8

61 25.5 20.2 30.4

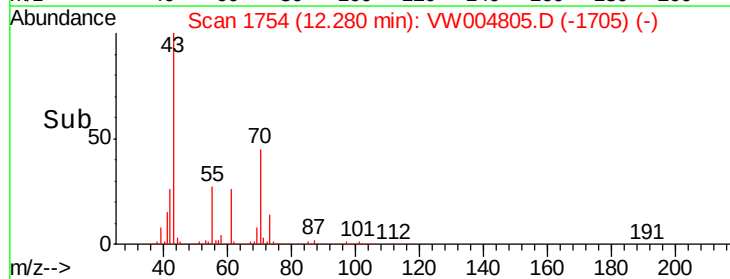
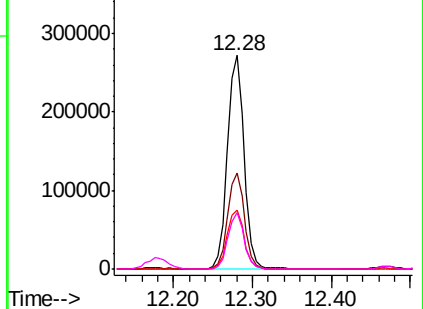


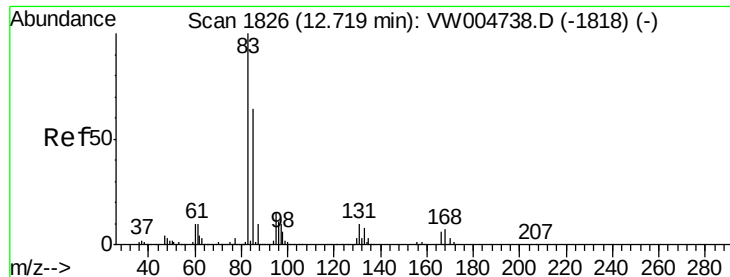
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 53.590 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

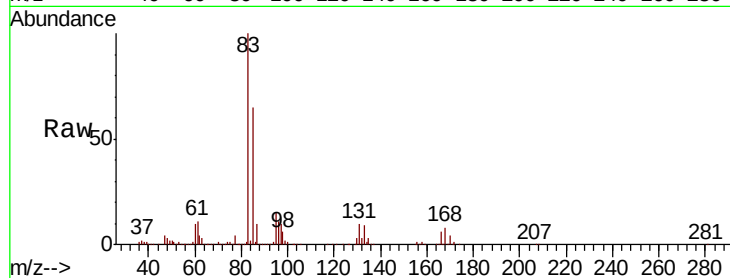
Tgt Ion: 83 Resp: 338794

Ion Ratio Lower Upper

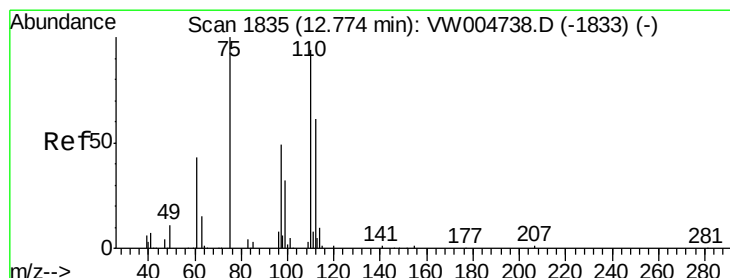
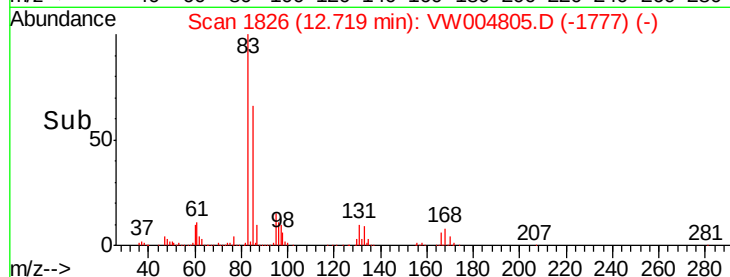
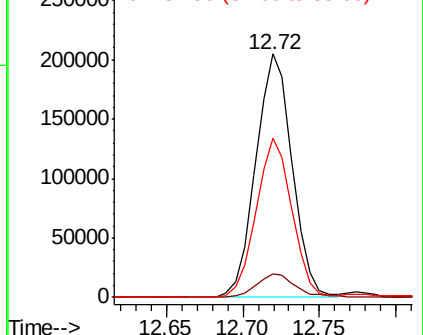
83 100

131 10.3 5.3 15.8

85 64.4 31.9 95.9



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



#76

1,2,3-Trichloropropane

Concen: 98.541 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004805.D

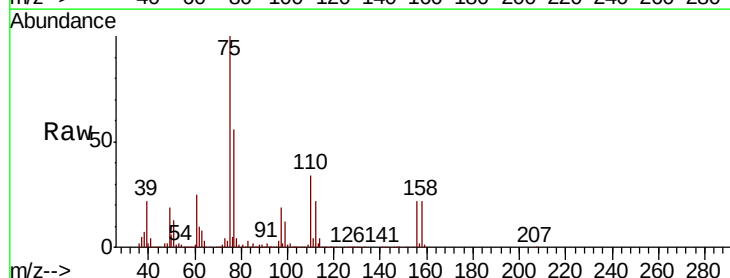
Acq: 20 Aug 2018 21:19

Tgt Ion: 75 Resp: 435760

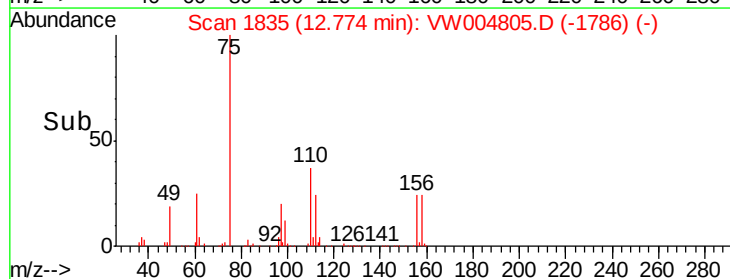
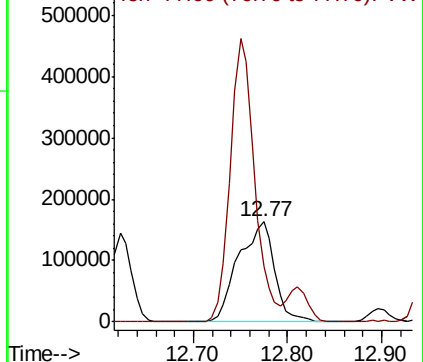
Ion Ratio Lower Upper

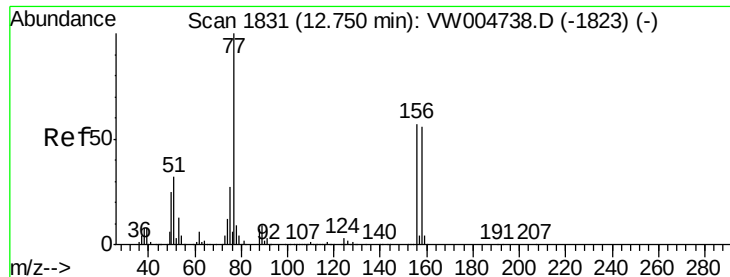
75 100

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: 53.817 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

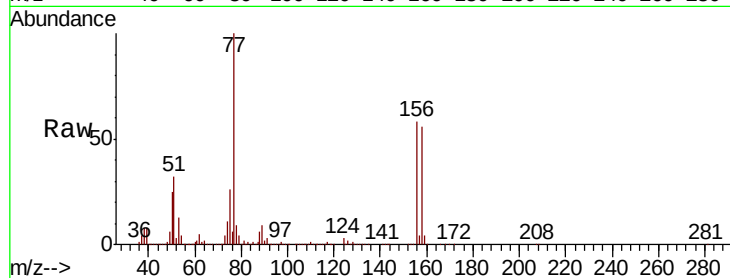
Tgt Ion:156 Resp: 444556

Ion Ratio Lower Upper

156 100

77 187.4 94.2 282.4

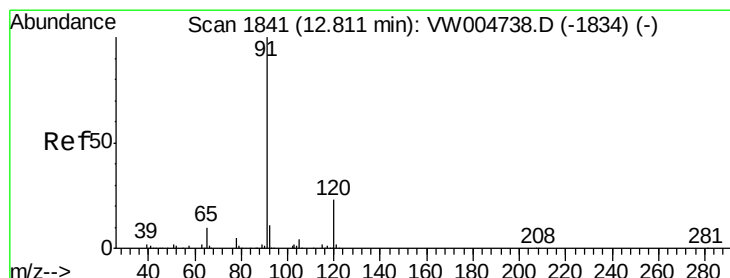
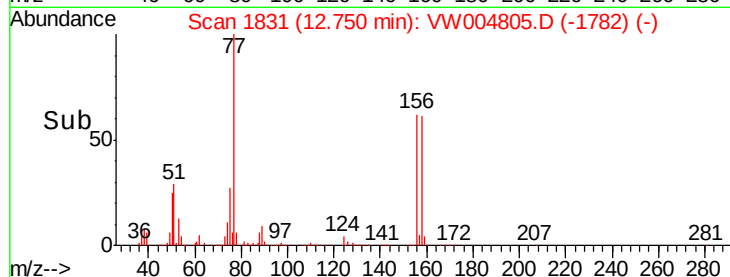
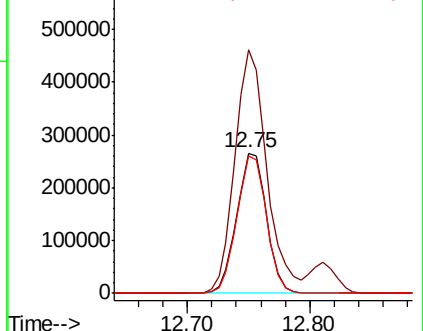
158 97.4 48.6 145.9



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: 55.767 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004805.D

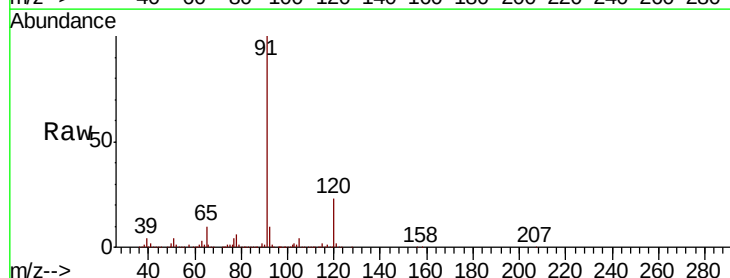
Acq: 20 Aug 2018 21:19

Tgt Ion: 91 Resp: 2322390

Ion Ratio Lower Upper

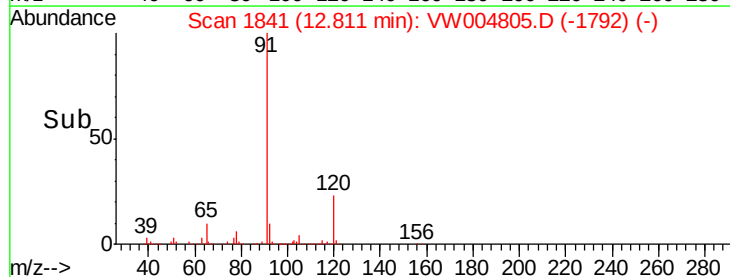
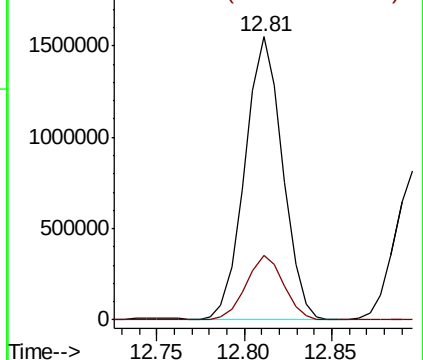
91 100

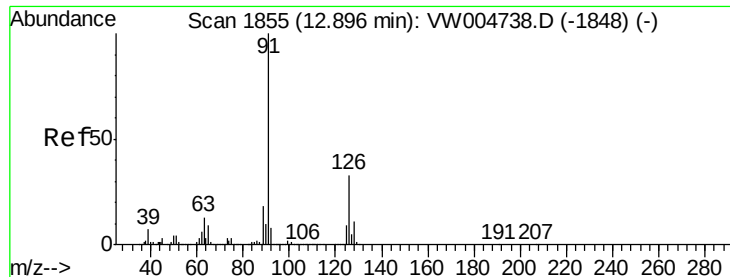
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.298 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

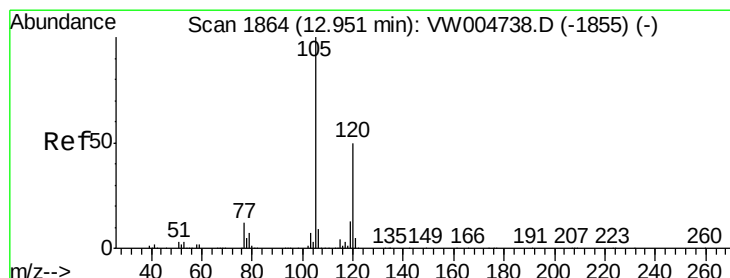
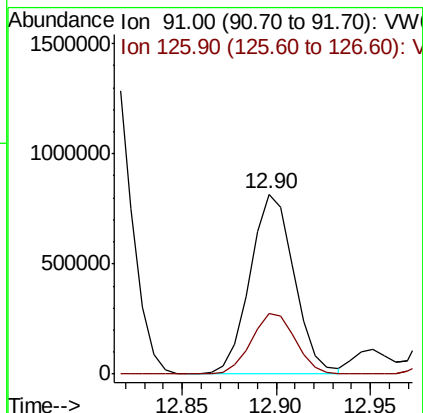
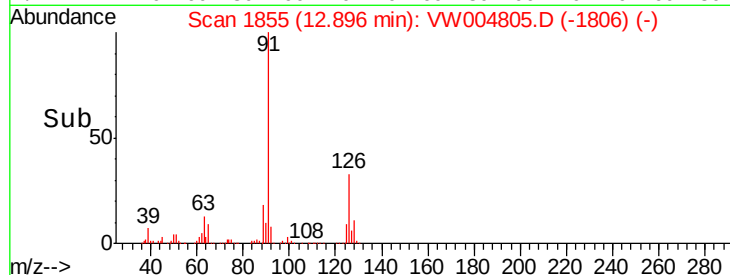
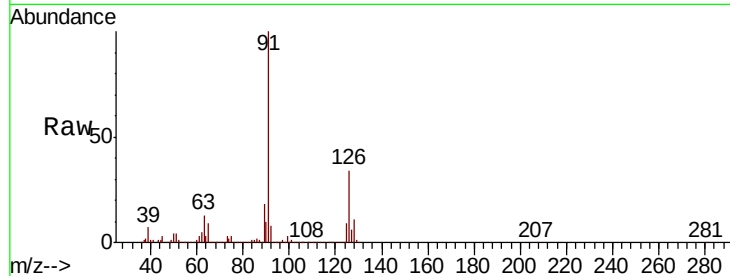
VSTDCCC050EC

Tgt Ion: 91 Resp: 1327402

Ion Ratio Lower Upper

91 100

126 33.8 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 55.984 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004805.D

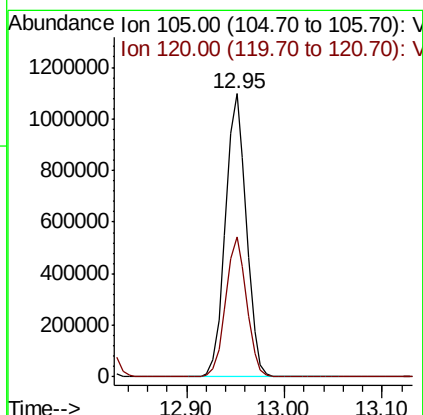
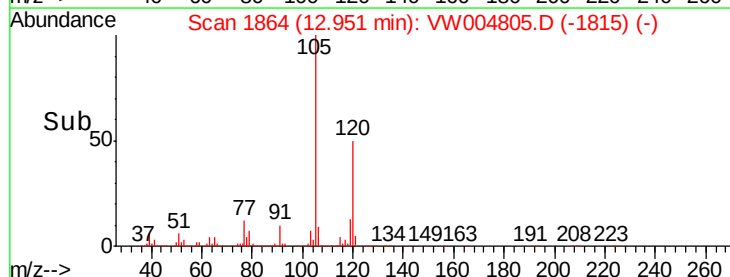
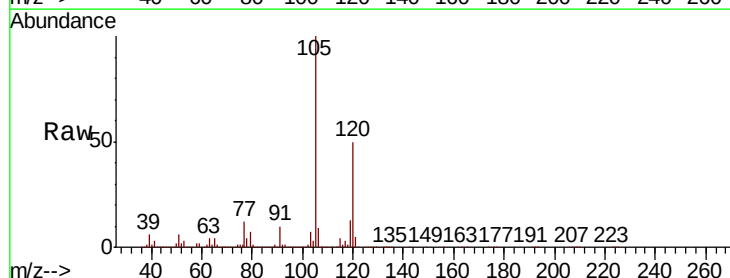
Acq: 20 Aug 2018 21:19

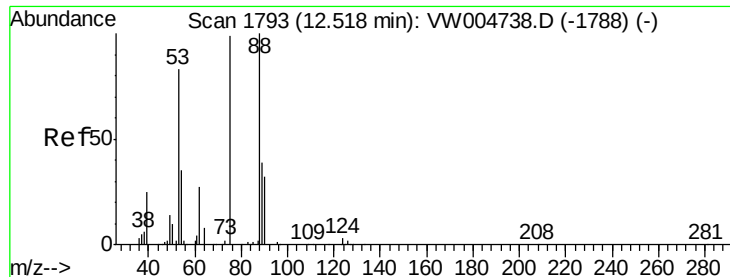
Tgt Ion: 105 Resp: 1623149

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.734 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

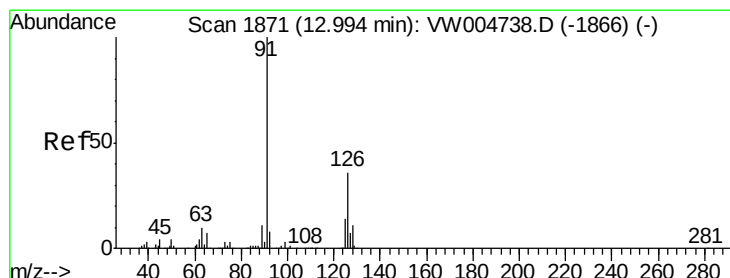
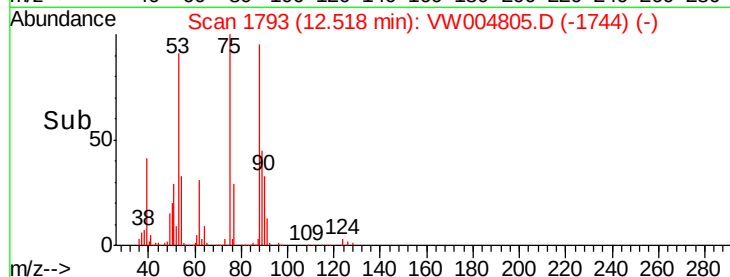
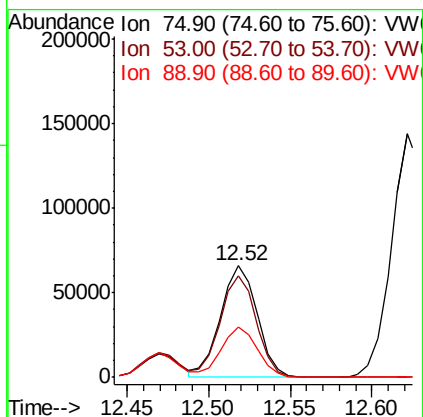
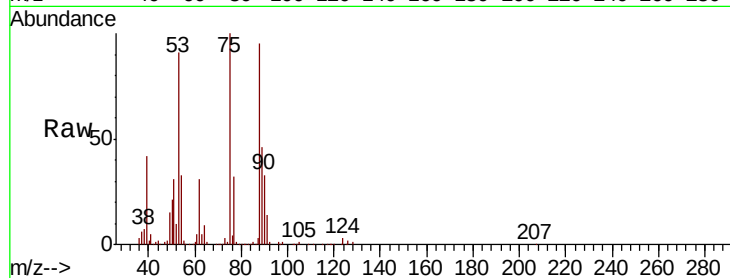
Tgt Ion: 75 Resp: 102233

Ion Ratio Lower Upper

75 100

53 91.7 72.2 108.4

89 44.5 35.2 52.8



#82

4-Chlorotoluene

Concen: 54.468 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004805.D

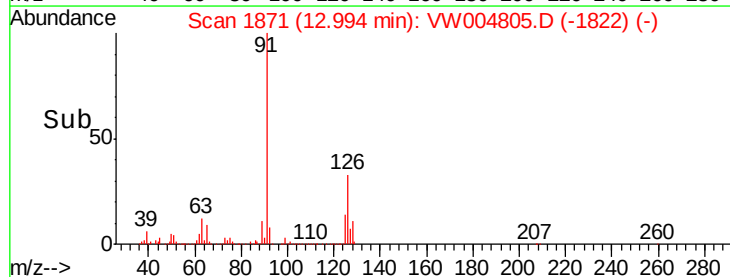
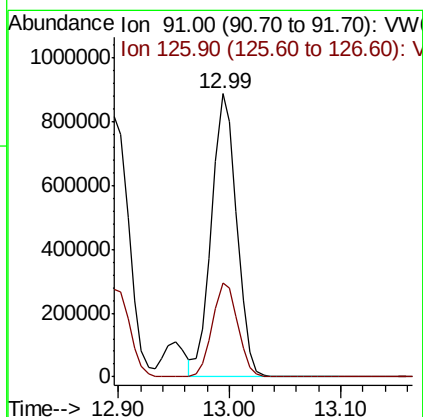
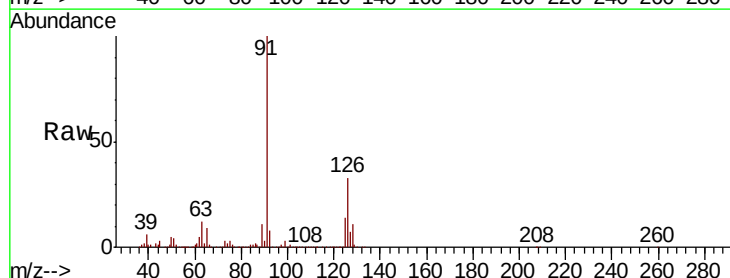
Acq: 20 Aug 2018 21:19

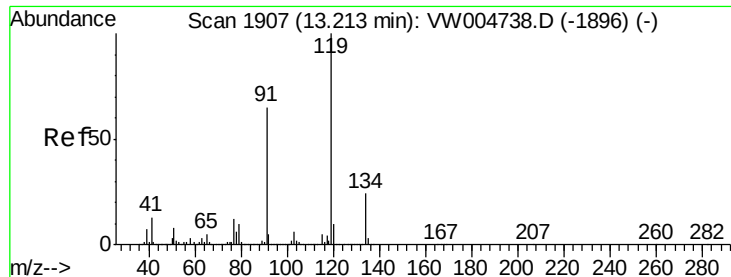
Tgt Ion: 91 Resp: 1389189

Ion Ratio Lower Upper

91 100

126 33.6 16.9 50.7

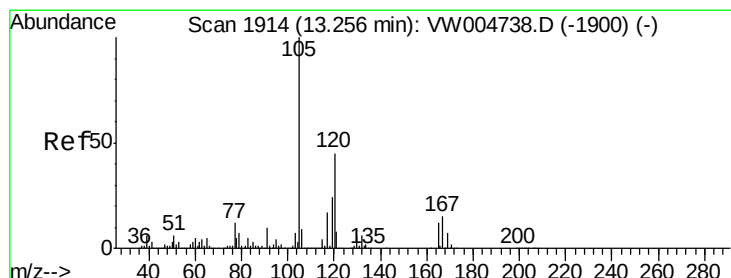
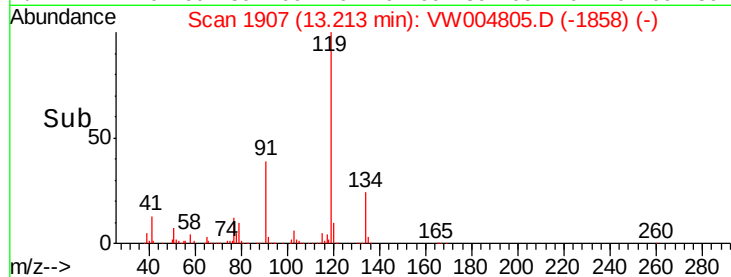
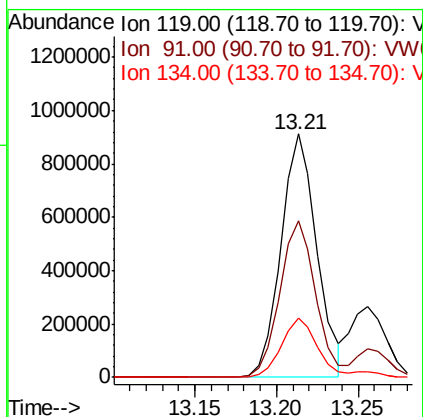
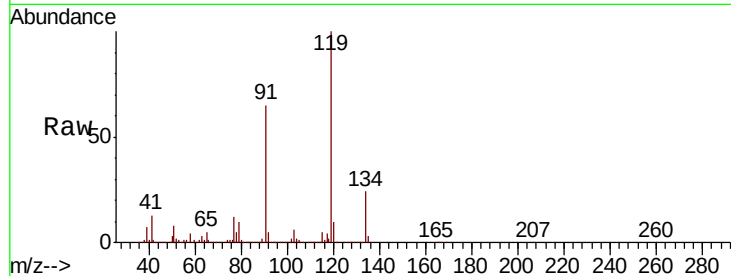




#83
 tert-Butylbenzene
 Concen: 56.217 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

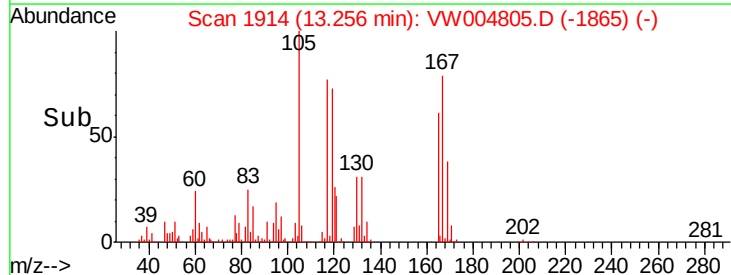
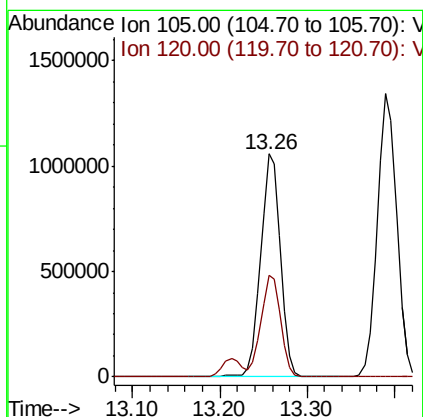
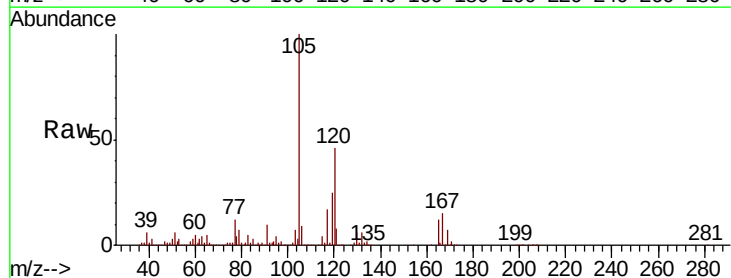
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

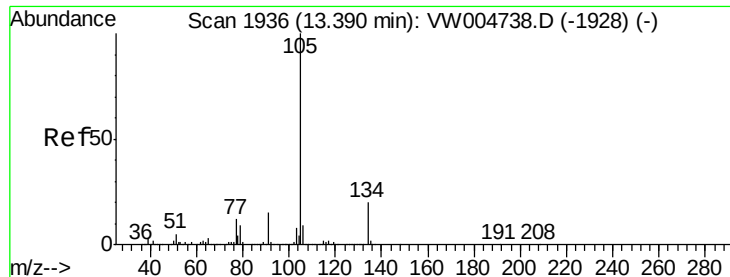
Tgt Ion:119 Resp: 1394133
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.6 97.8
 134 26.0 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 55.862 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion:105 Resp: 1666321
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.3

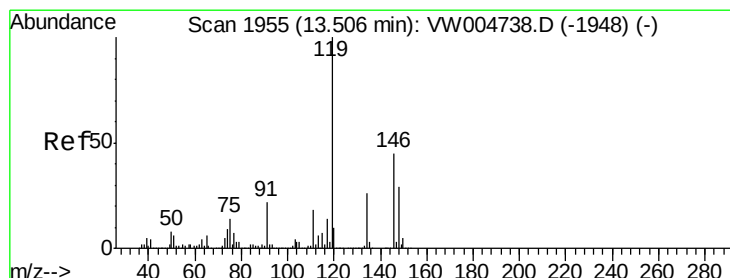
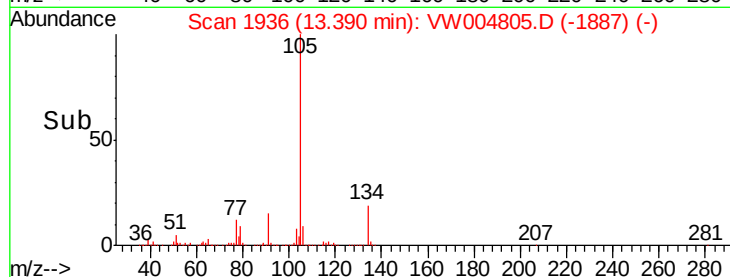
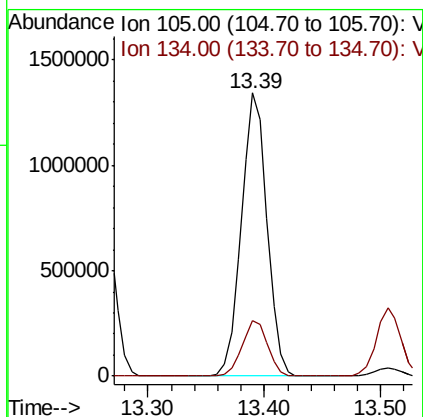
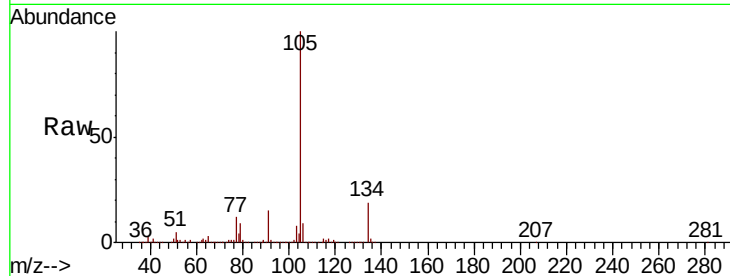




#85
 sec-Butylbenzene
 Concen: 55.615 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

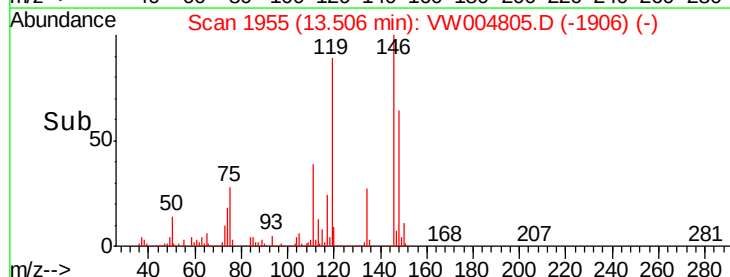
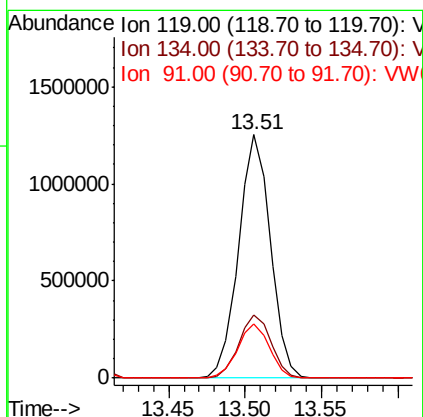
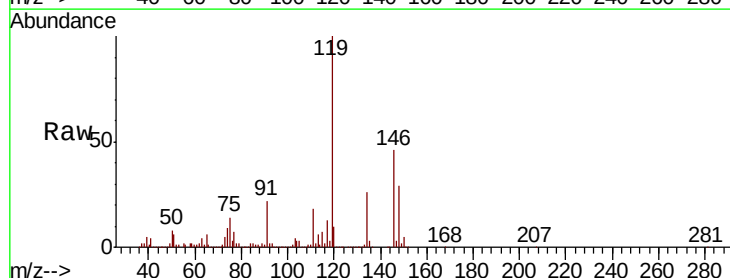
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

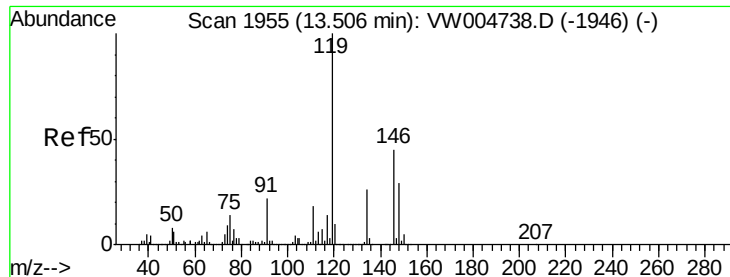
Tgt Ion:105 Resp: 2059149
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 56.035 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion:119 Resp: 1805183
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 22.3 11.2 33.5

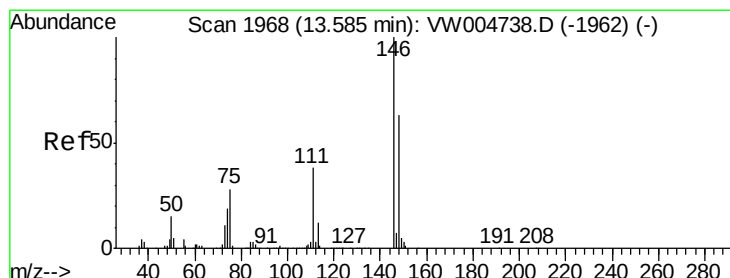
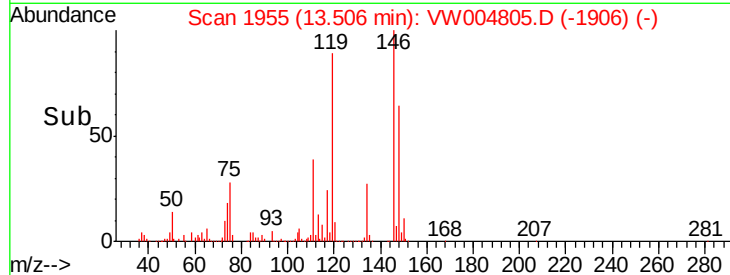
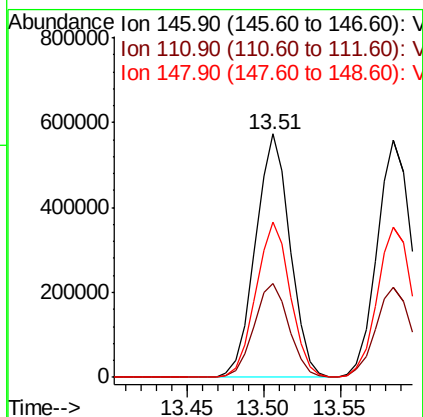
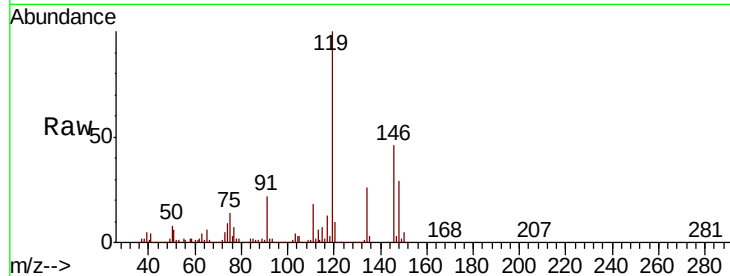




#87
 1,3-Dichlorobenzene
 Concen: 53.596 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

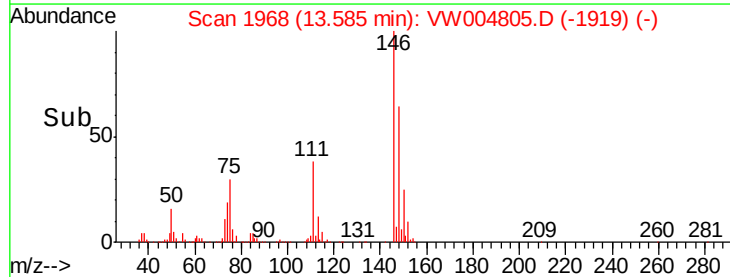
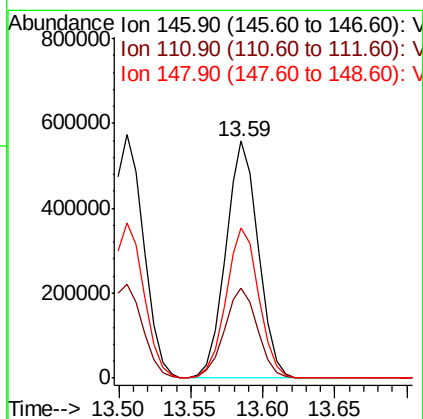
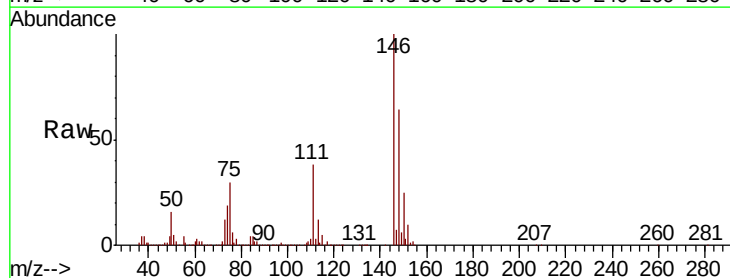
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

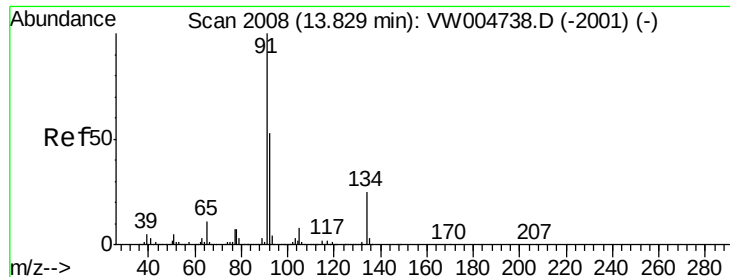
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.6	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 52.426 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	64.0	31.8	95.3





#89

n-Butylbenzene

Concen: 54.727 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004805.D

Acq: 20 Aug 2018 21:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

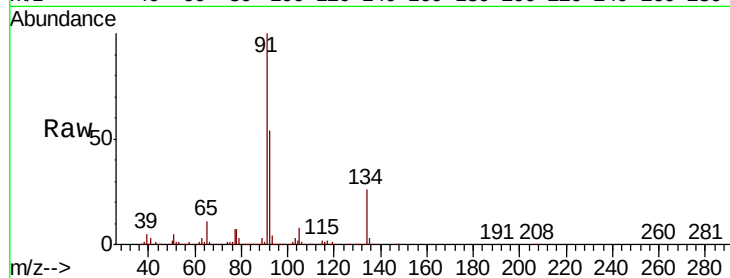
Tgt Ion: 91 Resp: 1704616

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.2

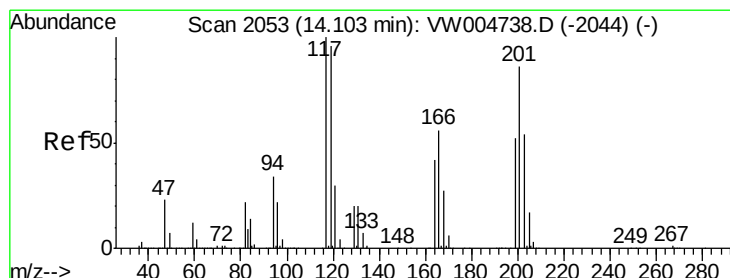
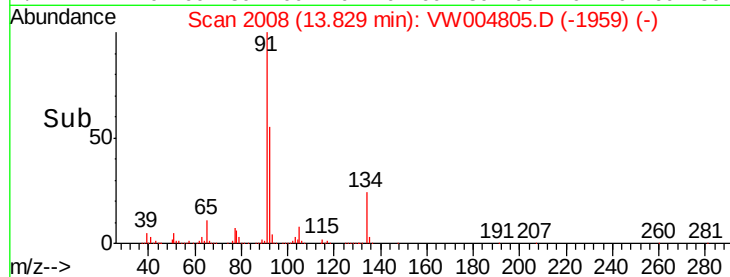
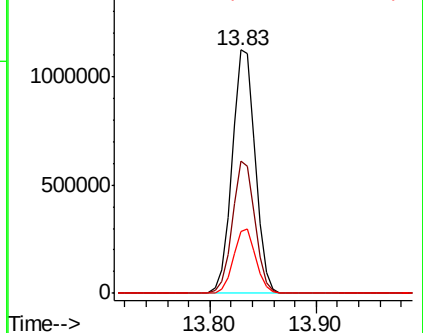
134 25.8 12.8 38.3



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): VW



#90

Hexachloroethane

Concen: 53.941 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004805.D

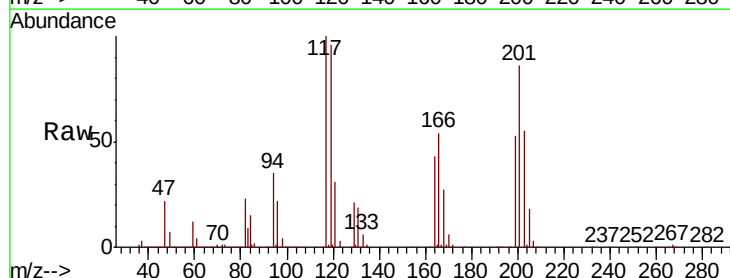
Acq: 20 Aug 2018 21:19

Tgt Ion: 117 Resp: 316747

Ion Ratio Lower Upper

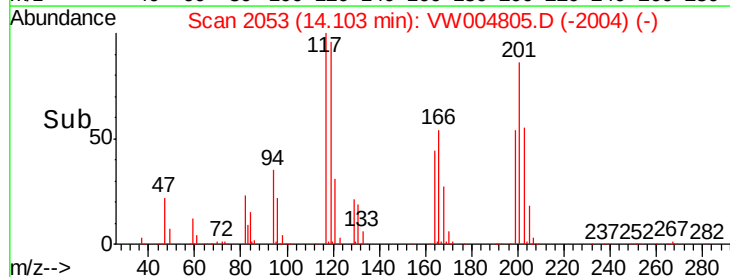
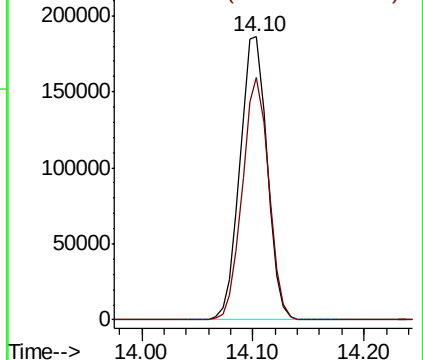
117 100

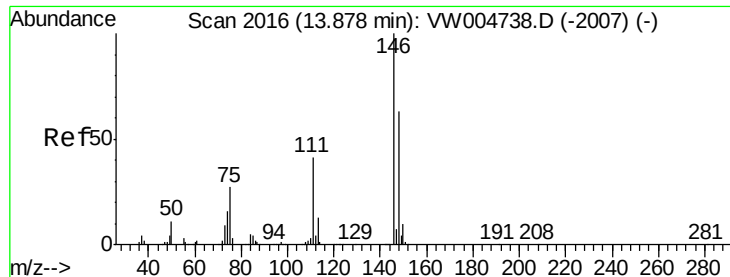
201 83.0 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW

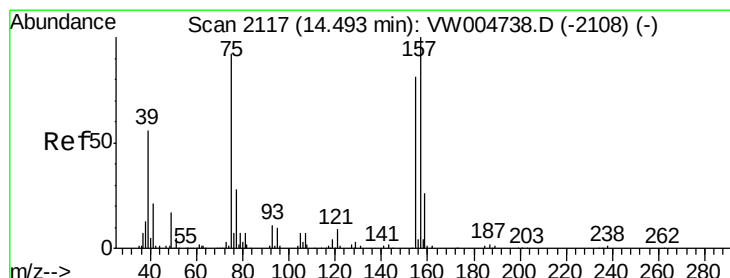
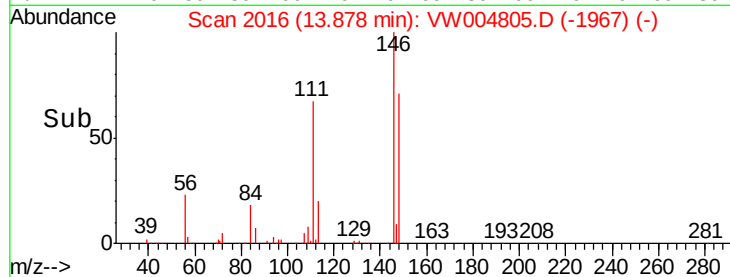
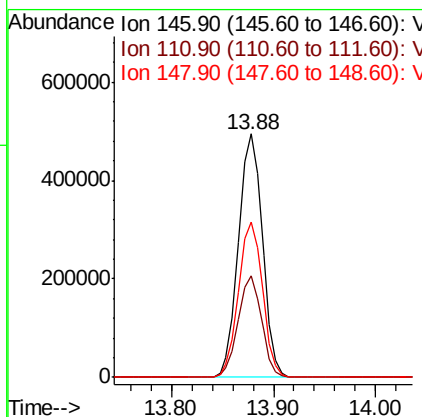
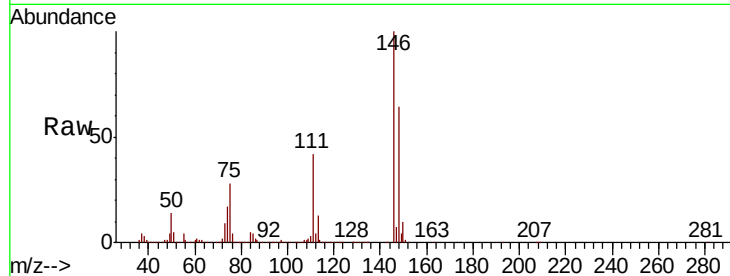




#91
 1,2-Dichlorobenzene
 Concen: 53.201 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

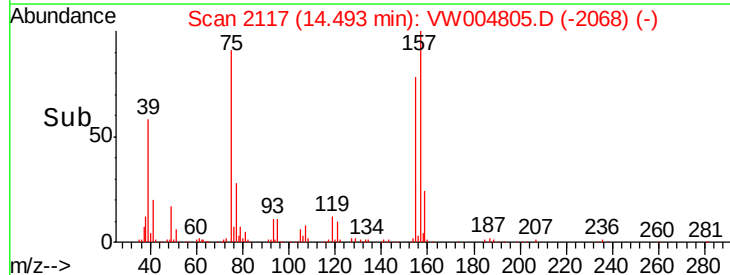
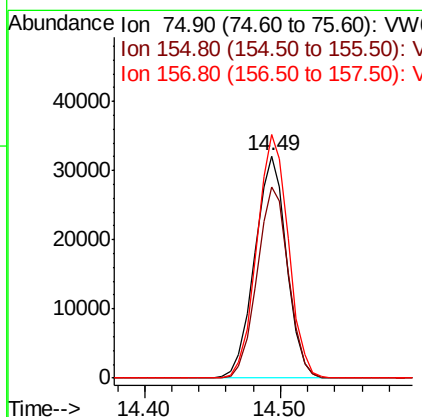
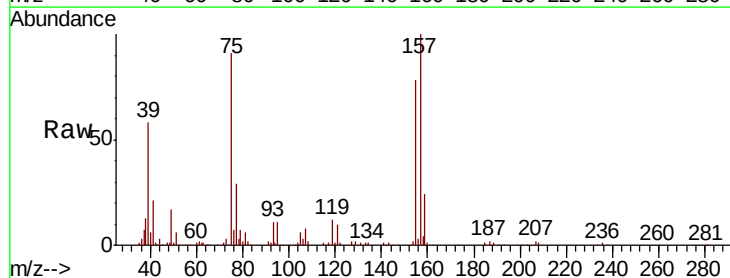
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

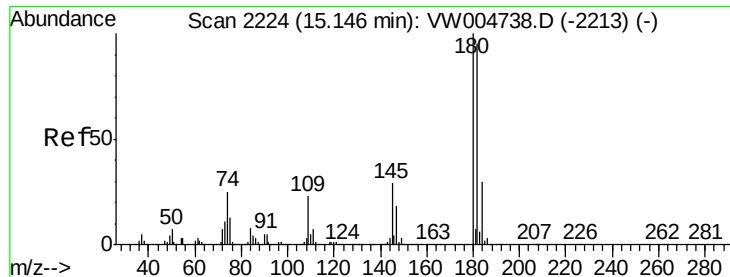
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.8	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.489 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.3	129.9
157	108.0	54.5	163.6

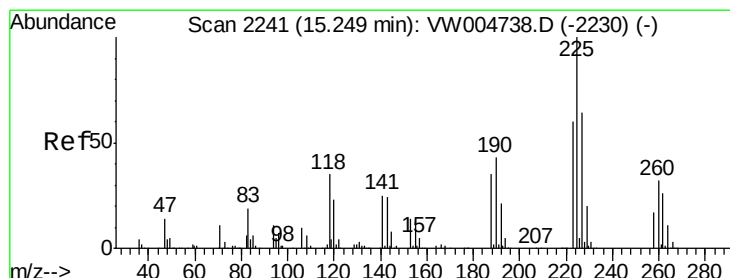
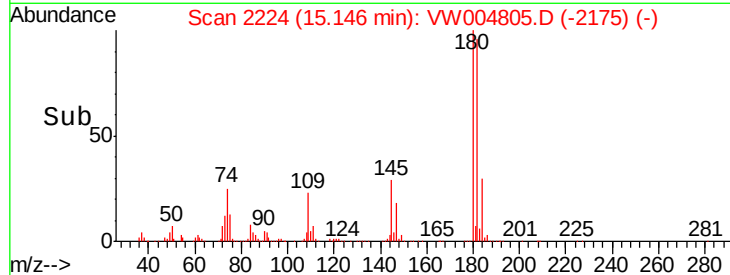
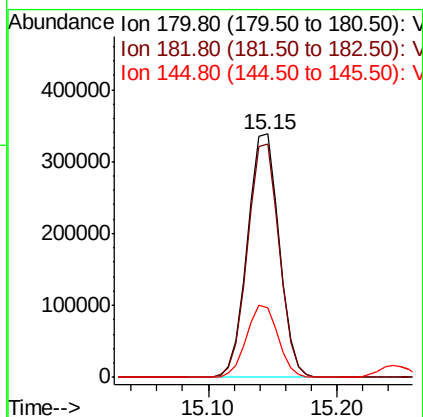
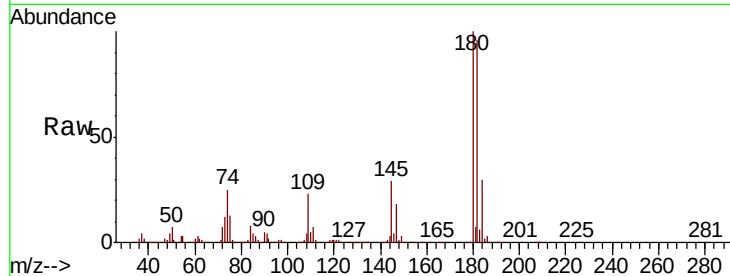




#93
 1,2,4-Trichlorobenzene
 Concen: 53.742 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

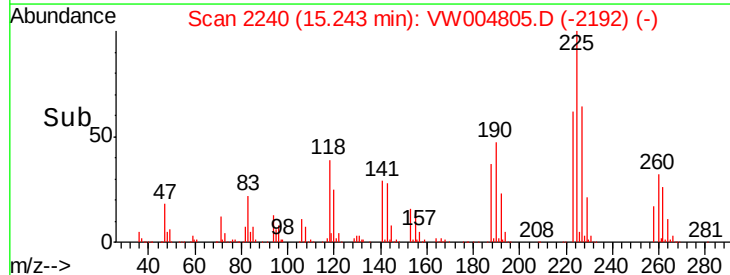
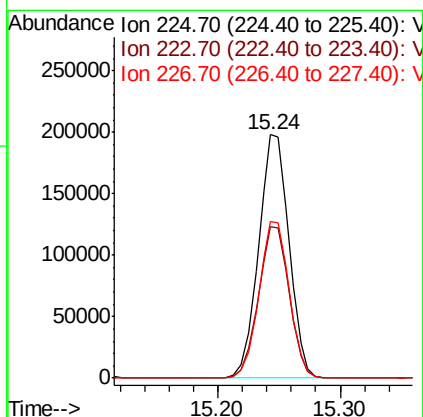
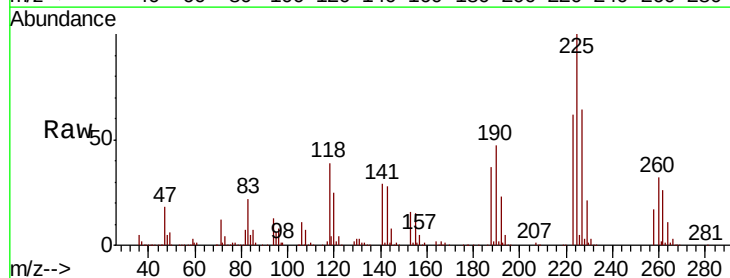
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

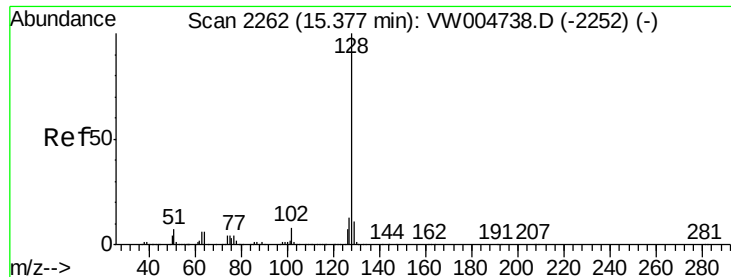
Tgt Ion:180 Resp: 573654
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 141.8
 145 29.6 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 52.357 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004805.D
 Acq: 20 Aug 2018 21:19

Tgt Ion:225 Resp: 343032
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.5
 227 64.0 32.0 96.0

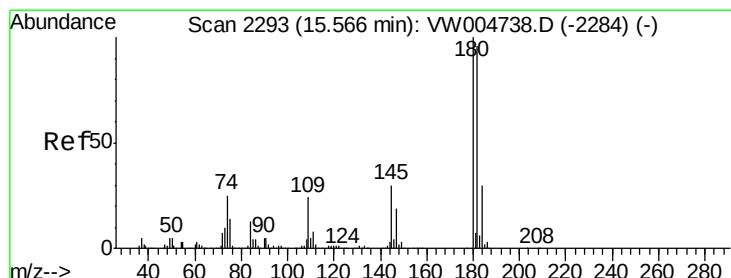
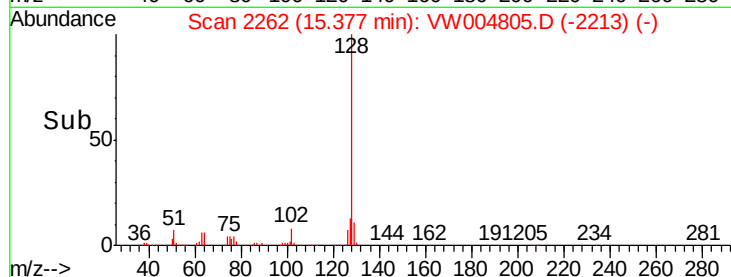
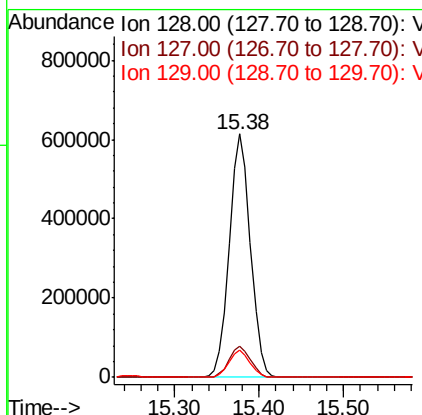
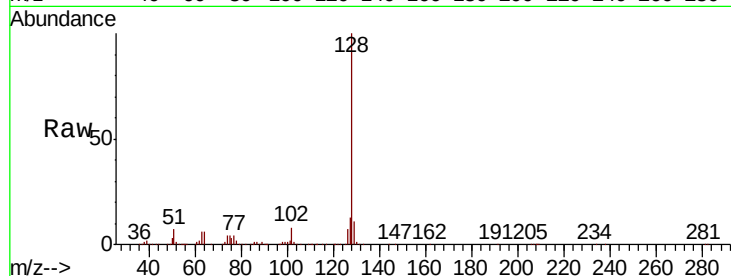




#95
Naphthalene
Concen: 50.506 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 1045365
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.017 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004805.D
Acq: 20 Aug 2018 21:19

Tgt Ion:180 Resp: 511309
Ion Ratio Lower Upper
180 100
182 95.5 47.3 142.0
145 31.3 15.4 46.1

