

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008569.D
 Acq On : 08 Feb 2019 12:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 09 00:47:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	660716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1035345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	908250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	480466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	377455	58.15	ug/l	0.00
Spiked Amount			Recovery	=	116.30%	
35) Dibromofluoromethane	7.88	113	342940	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
50) Toluene-d8	10.32	98	1353342	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.62	95	529262	56.72	ug/l	0.00
Spiked Amount			Recovery	=	113.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	187342	49.126	ug/l	95
3) Chloromethane	2.21	50	239449	44.398	ug/l	98
4) Vinyl Chloride	2.37	62	332951	48.496	ug/l	100
5) Bromomethane	2.78	94	214836	48.515	ug/l	95
6) Chloroethane	2.92	64	220205	52.445	ug/l	100
7) Trichlorofluoromethane	3.25	101	244393	41.784	ug/l	96
8) Diethyl Ether	3.67	74	174345	52.912	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	342412	57.299	ug/l	100
10) Methyl Iodide	4.26	142	502078	53.192	ug/l	98
11) Tert butyl alcohol	5.17	59	135990	260.222	ug/l	96
12) 1,1-Dichloroethene	4.03	96	324039	53.580	ug/l	94
13) Acrolein	3.88	56	96311	209.571	ug/l	91
14) Allyl chloride	4.66	41	628769	54.752	ug/l	98
15) Acrylonitrile	5.36	53	378322	265.900	ug/l	99
16) Acetone	4.12	43	405607	278.264	ug/l	96
17) Carbon Disulfide	4.37	76	906314	46.922	ug/l	96
18) Methyl Acetate	4.67	43	220099	56.613	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	569436	56.909	ug/l	99
20) Methylene Chloride	4.90	84	368852	54.902	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	355853	52.338	ug/l	98
22) Diisopropyl ether	6.31	45	1156353	53.130	ug/l	98
23) Vinyl Acetate	6.25	43	3333657	259.396	ug/l	100
24) 1,1-Dichloroethane	6.21	63	672205	54.563	ug/l	99
25) 2-Butanone	7.17	43	524265	258.945	ug/l	100
26) 2,2-Dichloropropane	7.16	77	463875	55.704	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	395278	53.345	ug/l	97
28) Bromochloromethane	7.51	49	283901	50.172	ug/l	99
29) Tetrahydrofuran	7.52	42	329819	257.068	ug/l	99
30) Chloroform	7.67	83	673115	55.548	ug/l	99
31) Cyclohexane	7.95	56	606672	47.624	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	582866	55.690	ug/l	99
36) 1,1-Dichloropropene	8.08	75	535406	54.745	ug/l	99
37) Ethyl Acetate	7.25	43	223071	51.554	ug/l	98
38) Carbon Tetrachloride	8.06	117	547176	55.599	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	648894	50.507	ug/l	98
40) Benzene	8.32	78	1431301	52.741	ug/l	100
41) Methacrylonitrile	7.48	41	148190	57.840	ug/l	95
42) 1,2-Dichloroethane	8.40	62	444925	56.573	ug/l	98
43) Isopropyl Acetate	8.42	43	468076	52.070	ug/l	99
44) Trichloroethene	9.09	130	392314	53.161	ug/l	100
45) 1,2-Dichloropropane	9.37	63	360496	53.276	ug/l	97
46) Dibromomethane	9.46	93	185352	53.257	ug/l	98
47) Bromodichloromethane	9.64	83	501764	54.507	ug/l	99
48) Methyl methacrylate	9.43	41	224684	51.117	ug/l	99
49) 1,4-Dioxane	9.44	88	63505	1079.504	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1145990	258.047	ug/l	100
52) Toluene	10.38	92	946513	52.835	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	524844	53.581	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	591384	53.200	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	255569	52.942	ug/l	98
56) Ethyl methacrylate	10.65	69	345410	51.064	ug/l	99
57) 1,3-Dichloropropane	10.93	76	457852	52.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	849396	258.447	ug/l	99
59) 2-Hexanone	10.97	43	835264	266.417	ug/l	99
60) Dibromochloromethane	11.13	129	325350	52.445	ug/l	99
61) 1,2-Dibromoethane	11.24	107	250285	52.289	ug/l	100
64) Tetrachloroethene	10.86	164	322897	52.508	ug/l	93
65) Chlorobenzene	11.66	112	1017815	54.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	364661	54.973	ug/l	98
67) Ethyl Benzene	11.73	91	1874149	54.992	ug/l	100
68) m/p-Xylenes	11.84	106	1437765	108.731	ug/l	100
69) o-Xylene	12.16	106	680327	54.149	ug/l	98
70) Styrene	12.18	104	1115405	53.746	ug/l	100
71) Bromoform	12.35	173	195315	52.332	ug/l #	98
73) Isopropylbenzene	12.46	105	1939196	54.138	ug/l	100
74) N-amyl acetate	12.27	43	459483	49.794	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	294880	51.998	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	214895m	51.443	ug/l	
77) Bromobenzene	12.75	156	414245	52.954	ug/l	100
78) n-propylbenzene	12.80	91	2338817	54.364	ug/l	99
79) 2-Chlorotoluene	12.90	91	1328298	54.714	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1630742	54.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	103816	49.085	ug/l	92
82) 4-Chlorotoluene	12.99	91	1383561	53.528	ug/l	99
83) tert-Butylbenzene	13.21	119	1431007	53.712	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1655380	54.398	ug/l	99
85) sec-Butylbenzene	13.38	105	2085363	54.807	ug/l	100
86) p-Isopropyltoluene	13.50	119	1839529	55.193	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	857997	54.309	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	840962	53.562	ug/l	100
89) n-Butylbenzene	13.83	91	1787646	54.628	ug/l	100
90) Hexachloroethane	14.10	117	346598	53.177	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	753043	53.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	55757	51.819	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	545034	54.637	ug/l	99
94) Hexachlorobutadiene	15.24	225	337301	56.106	ug/l	99
95) Naphthalene	15.37	128	949711	54.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	449711	53.145	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

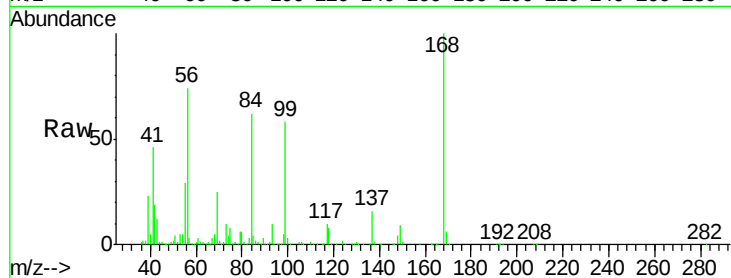
VSTDCCC050

Tot Ion:168 Resp: 660716

Ion Ratio Lower Upper

168 100

99 58.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

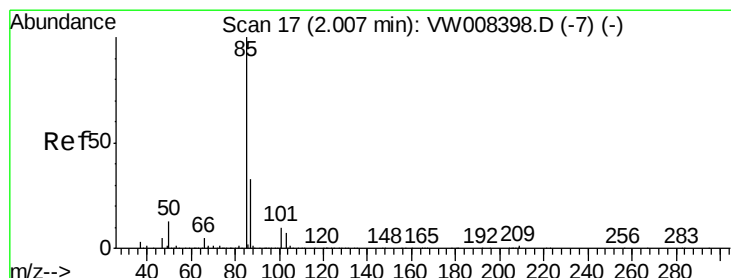
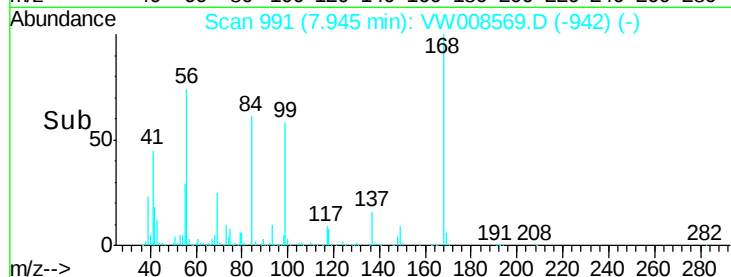
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 49.126 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008569.D

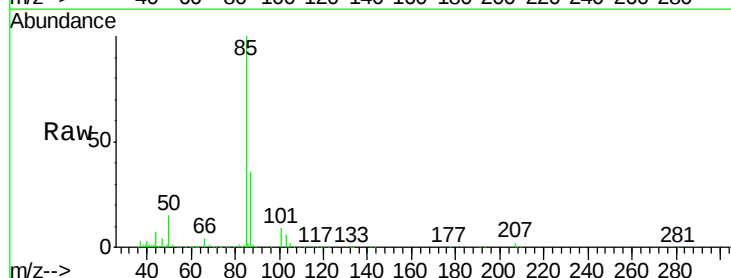
Acq: 08 Feb 2019 12:01

Tgt Ion: 85 Resp: 187342

Ion Ratio Lower Upper

85 100

87 36.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

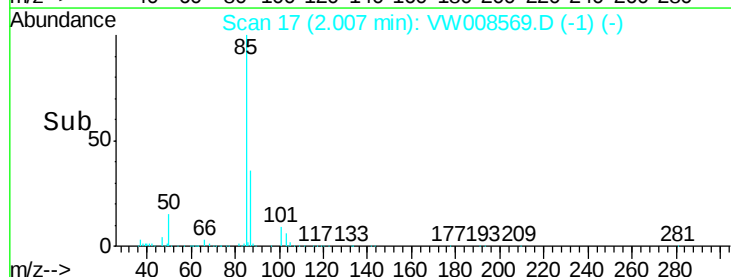
30000

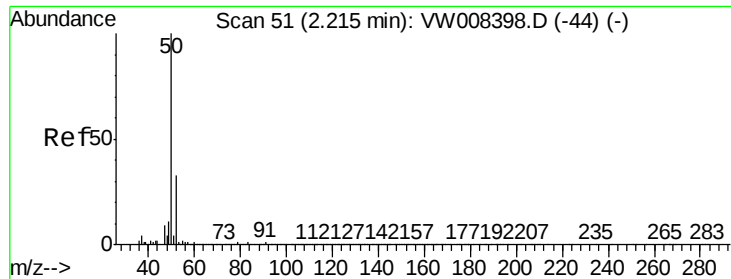
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.398 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

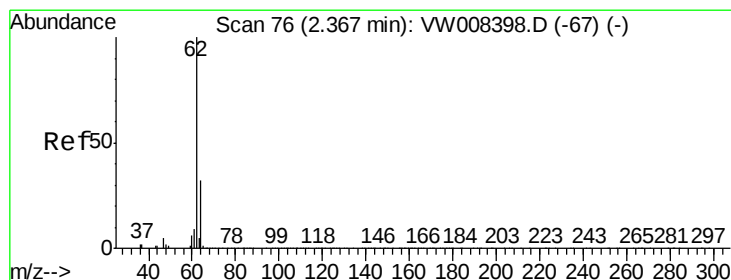
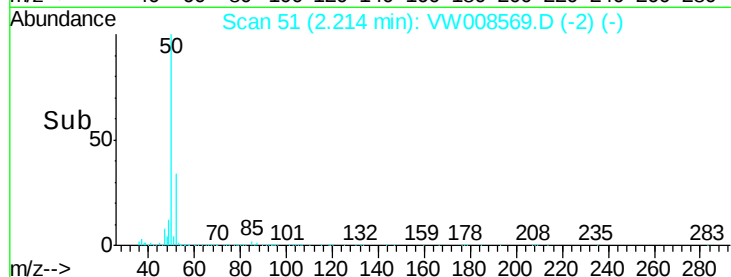
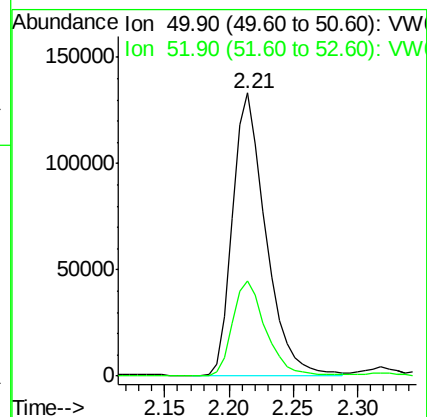
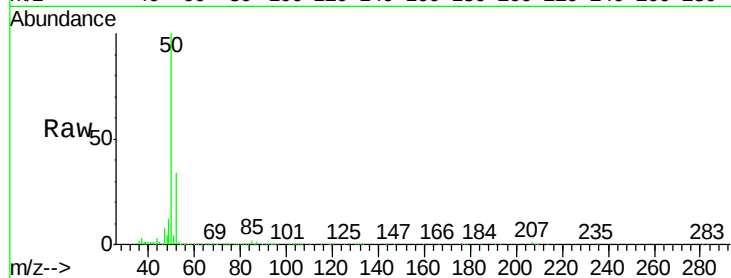
VSTDCCC050

Tot Ion: 50 Resp: 239449

Ion Ratio Lower Upper

50 100

52 33.8 26.3 39.5



#4

Vinyl Chloride

Concen: 48.496 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008569.D

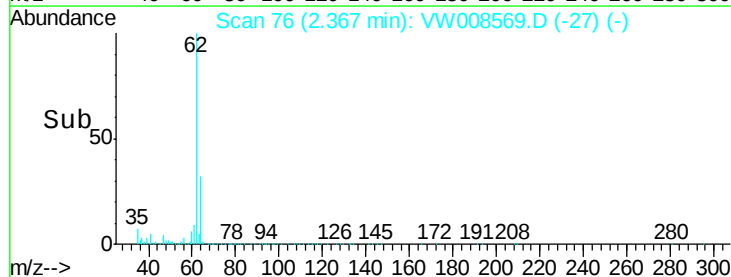
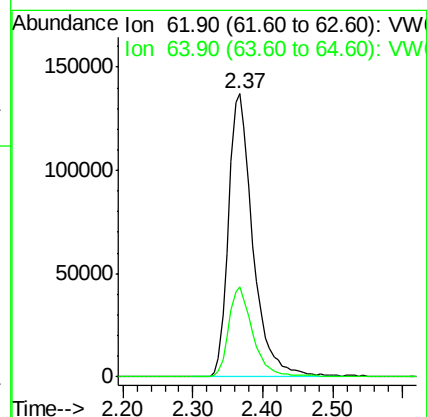
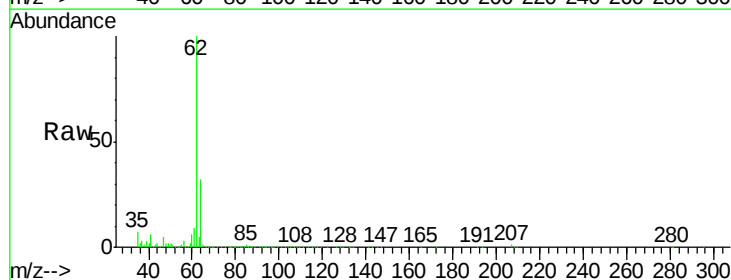
Acq: 08 Feb 2019 12:01

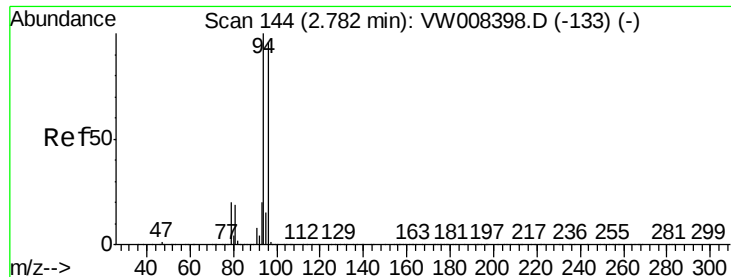
Tgt Ion: 62 Resp: 332951

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 48.515 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

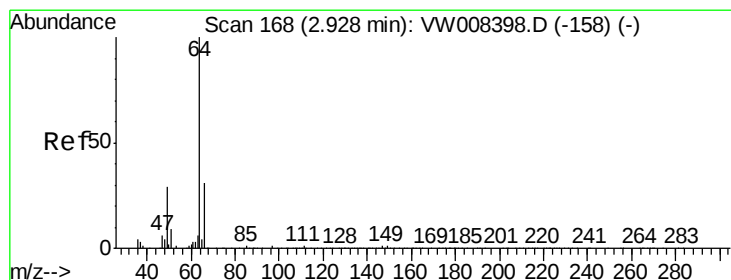
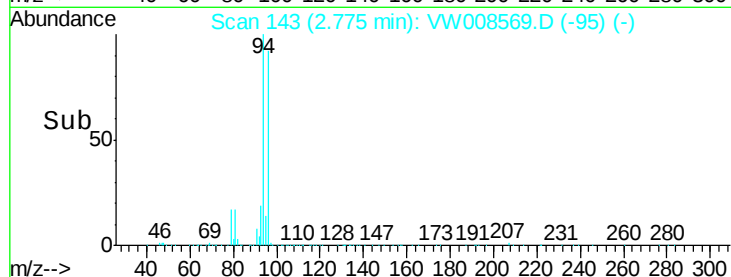
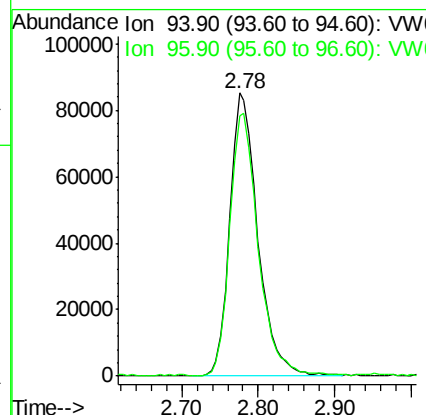
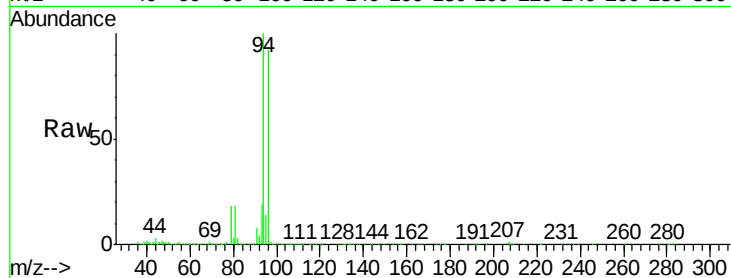
VSTDCCC050

Tot Ion: 94 Resp: 214836

Ion Ratio Lower Upper

94 100

96 91.9 77.2 115.8



#6

Chloroethane

Concen: 52.445 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008569.D

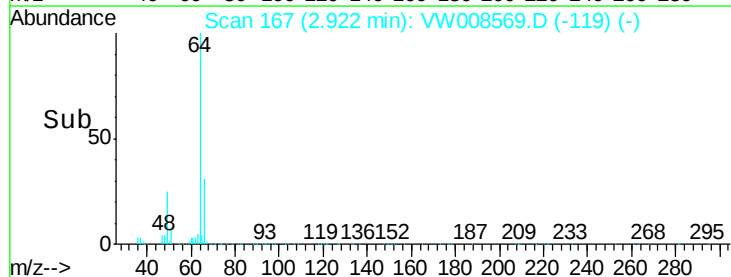
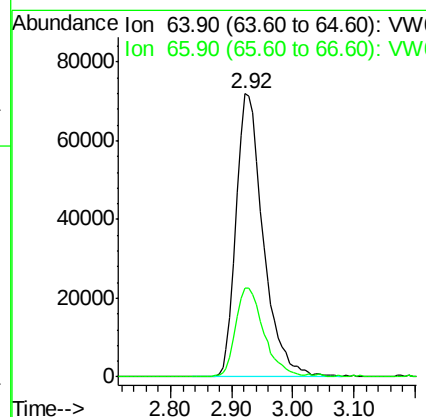
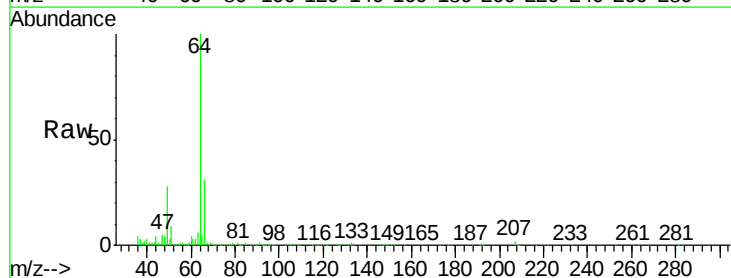
Acq: 08 Feb 2019 12:01

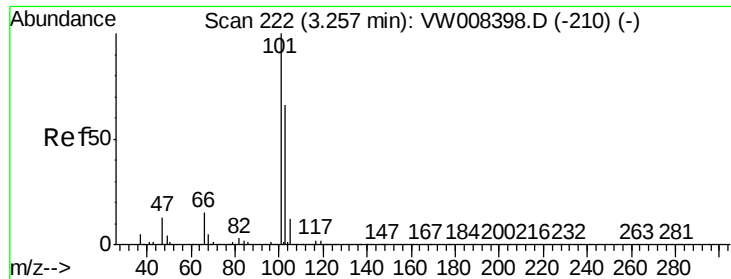
Tgt Ion: 64 Resp: 220205

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3



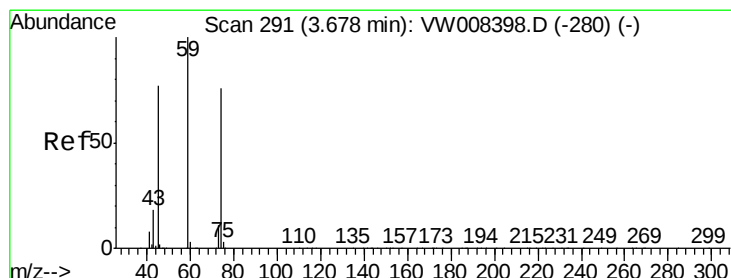
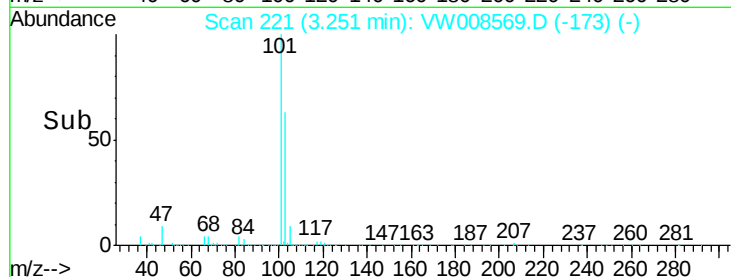
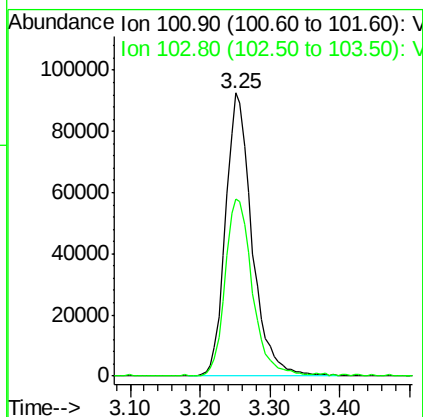
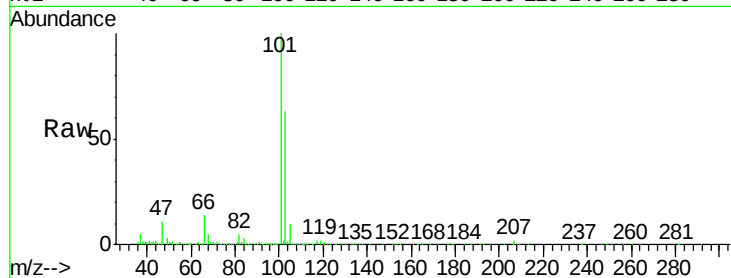


#7

Trichlorofluoromethane
Concen: 41.784 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008569.D
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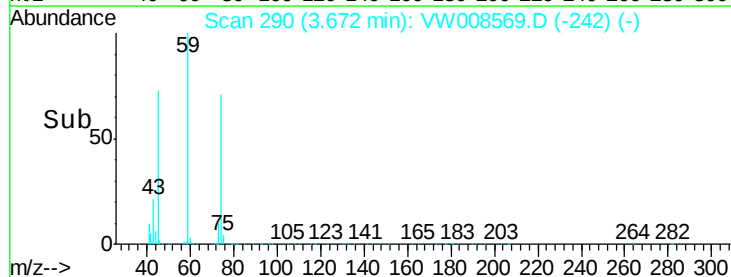
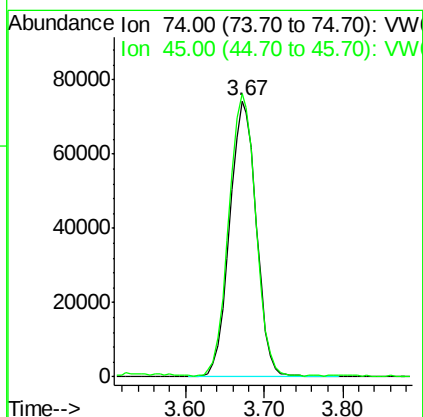
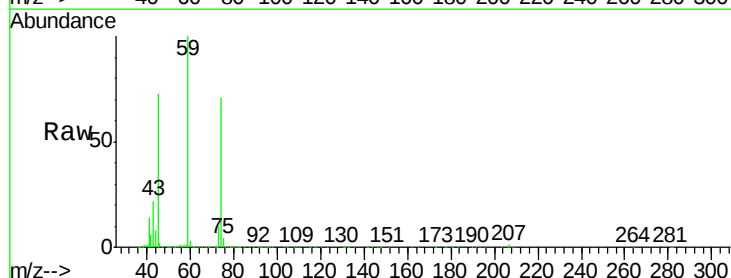
Tot Ion:101 Resp: 244393
Ion Ratio Lower Upper
101 100
103 62.4 52.5 78.7

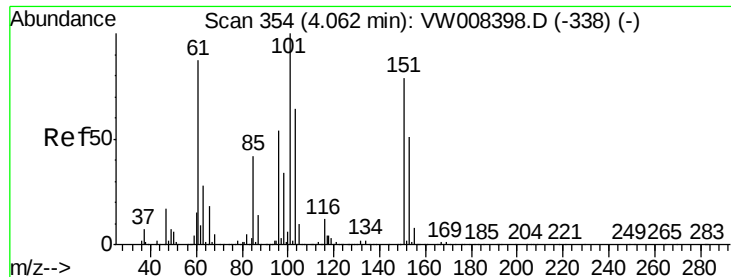


#8

Diethyl Ether
Concen: 52.912 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 74 Resp: 174345
Ion Ratio Lower Upper
74 100
45 103.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.299 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

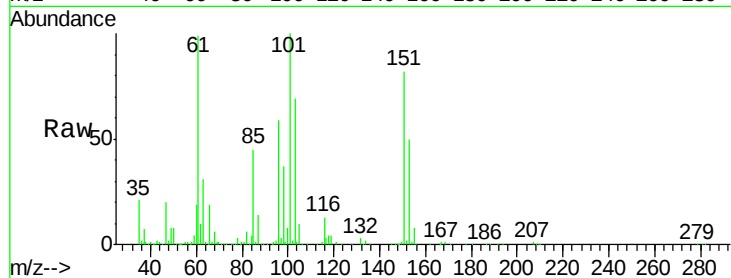
Tot Ion:101 Resp: 342412

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

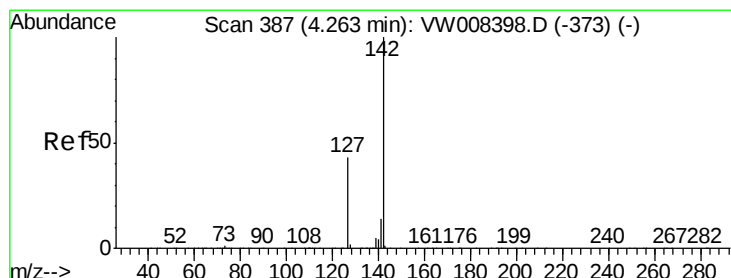
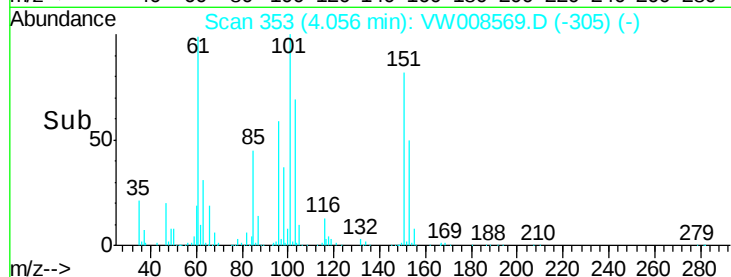
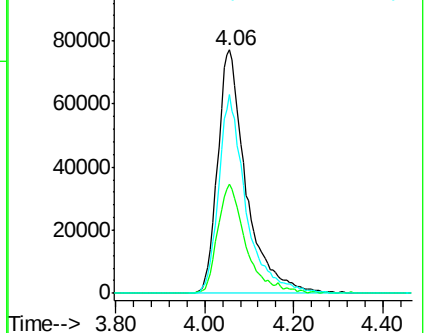
151 78.3 62.6 94.0



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: 53.192 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

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Acq: 08 Feb 2019 12:01

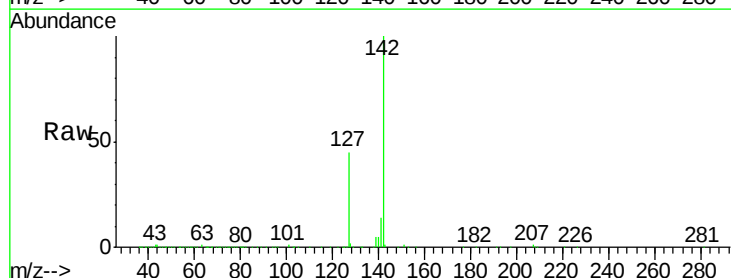
Tgt Ion:142 Resp: 502078

Ion Ratio Lower Upper

142 100

127 45.3 34.6 52.0

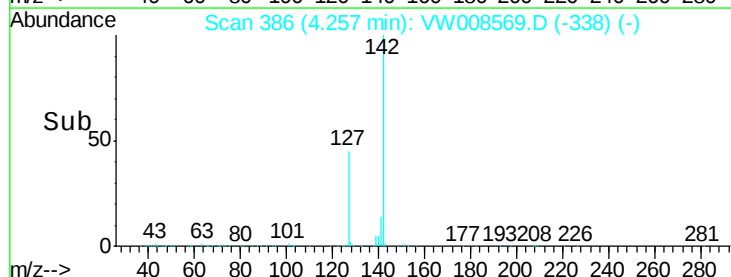
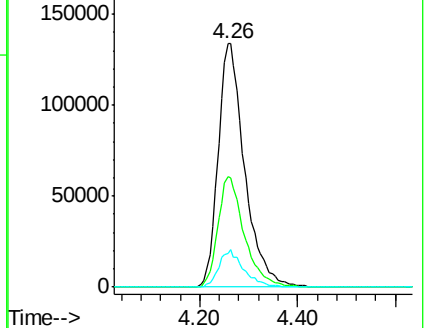
141 14.4 11.4 17.2

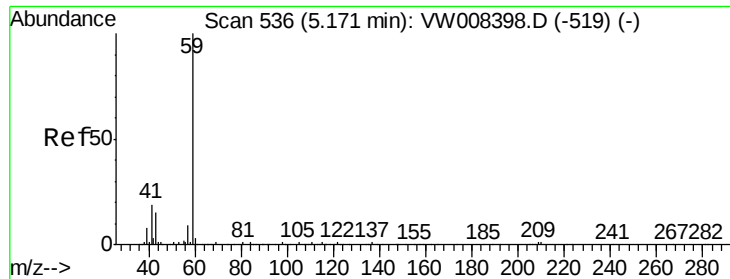


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



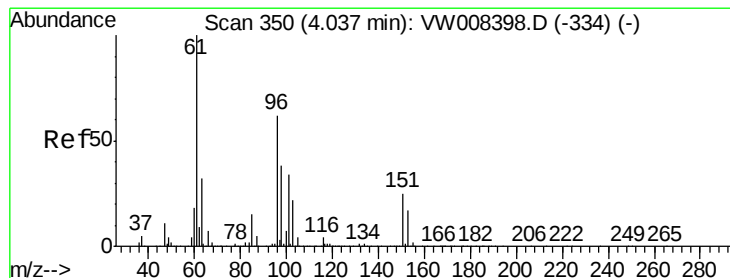
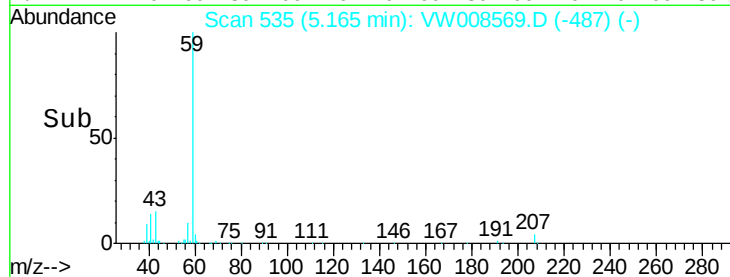
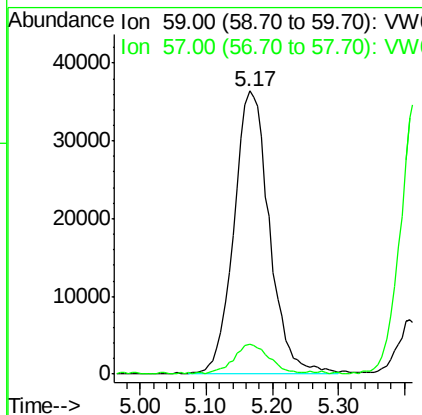
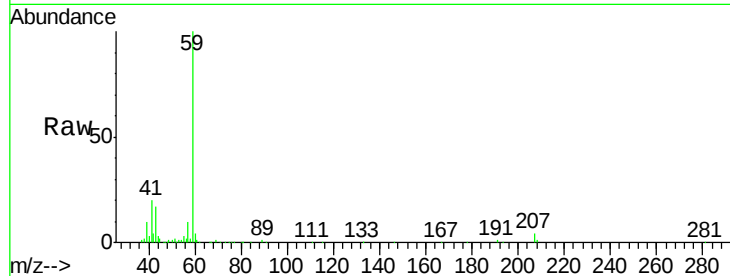


#11

Tert butyl alcohol
Concen: 260.222 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

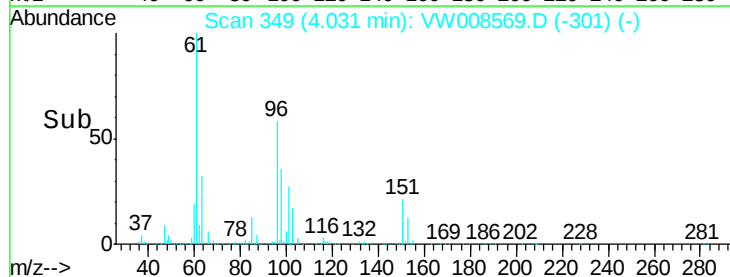
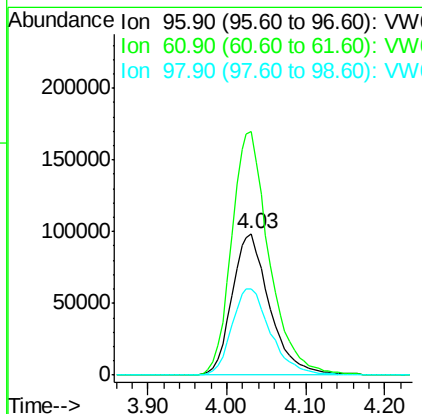
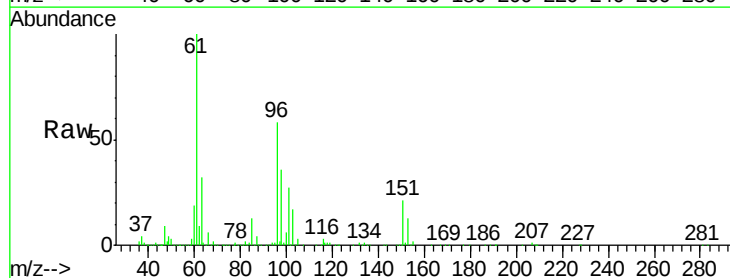
Tot Ion: 59 Resp: 135990
Ion Ratio Lower Upper
59 100
57 9.9 9.3 13.9

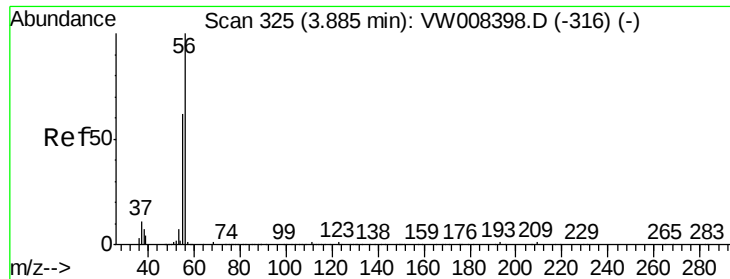


#12

1,1-Dichloroethene
Concen: 53.580 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 96 Resp: 324039
Ion Ratio Lower Upper
96 100
61 172.1 129.5 194.3
98 61.2 48.6 73.0

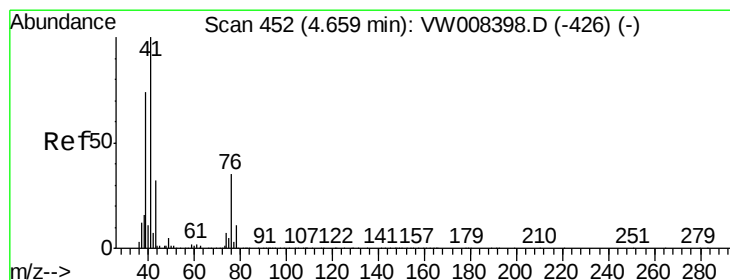
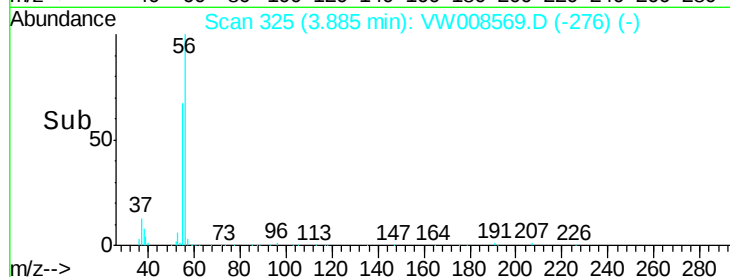
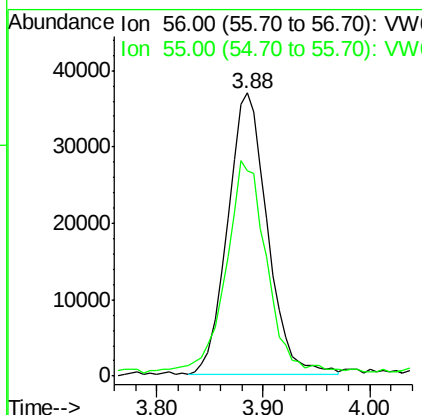
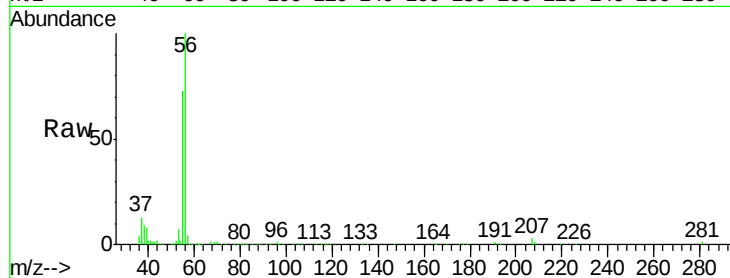




#13
Acrolein
Concen: 209.571 ug/l
RT: 3.88 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

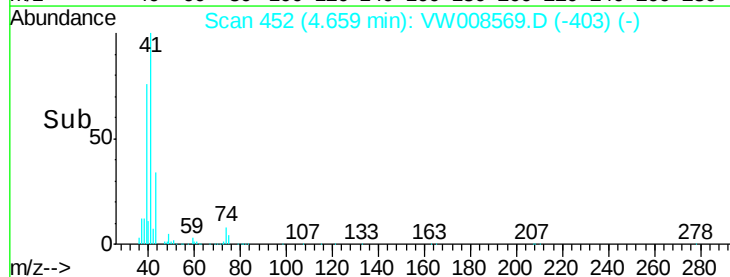
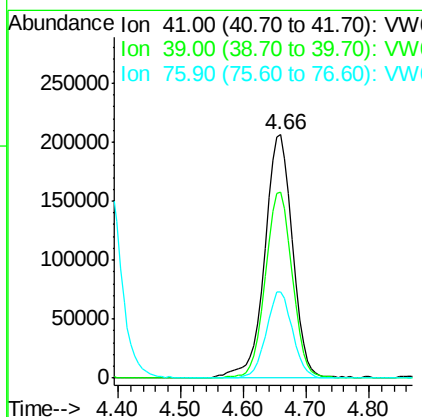
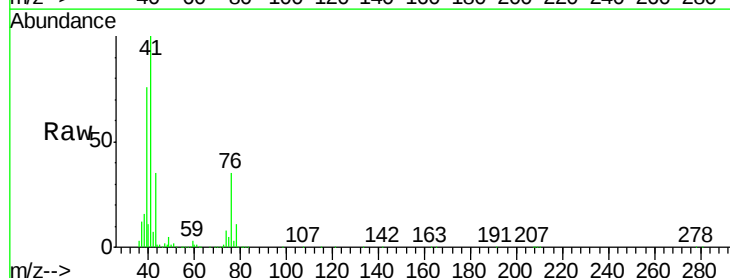
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 96311
Ion Ratio Lower Upper
56 100
55 78.5 56.7 85.1



#14
Allyl chloride
Concen: 54.752 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 41 Resp: 628769
Ion Ratio Lower Upper
41 100
39 74.8 57.7 86.5
76 33.5 26.9 40.3





#15

Acrylonitrile

Concen: 265.900 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

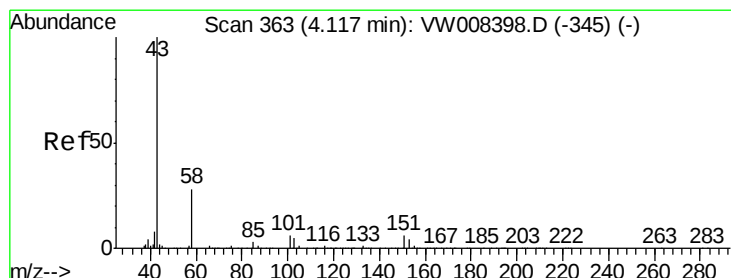
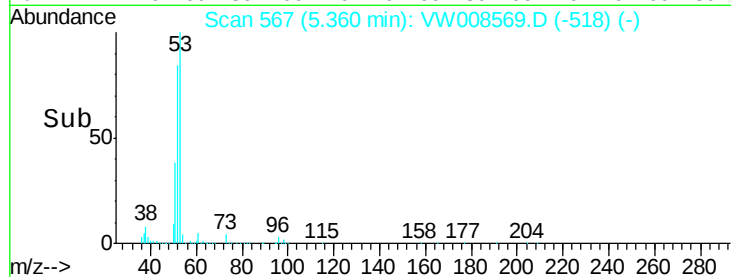
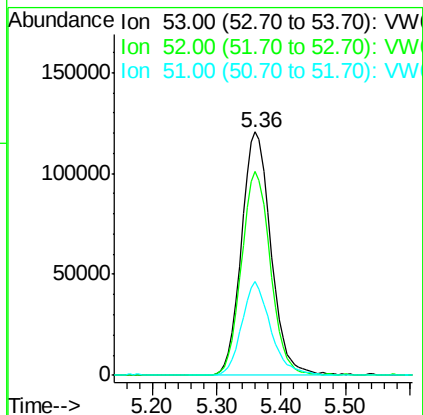
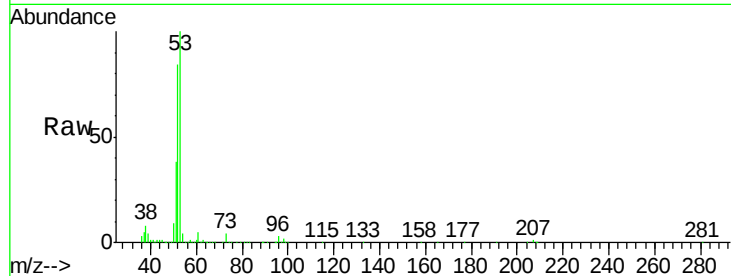
Tot Ion: 53 Resp: 378322

Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.0	100.4
51	37.9	29.8	44.8

53 100

52 82.4 67.0 100.4

51 37.9 29.8 44.8



#16

Acetone

Concen: 278.264 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008569.D

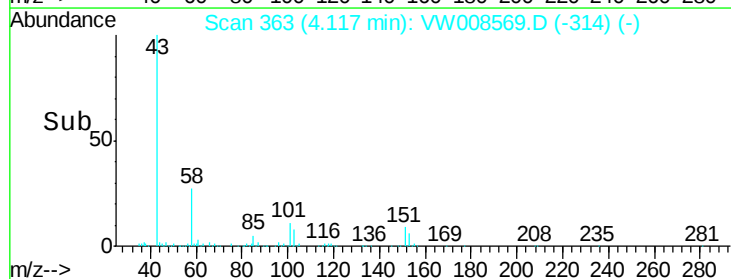
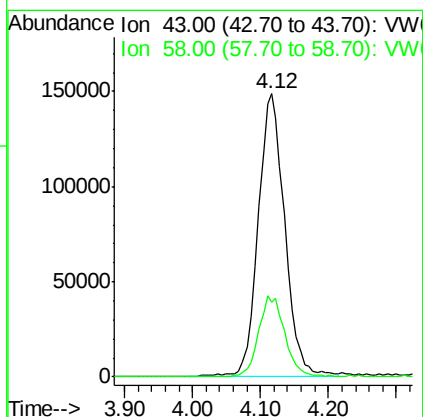
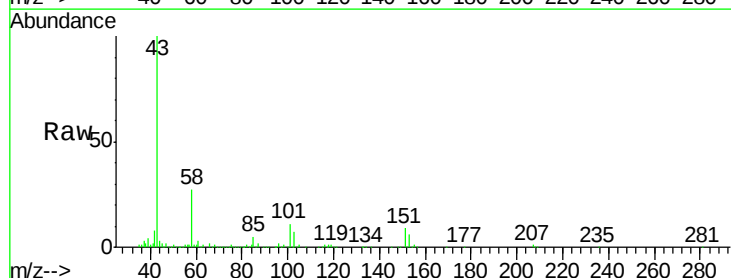
Acq: 08 Feb 2019 12:01

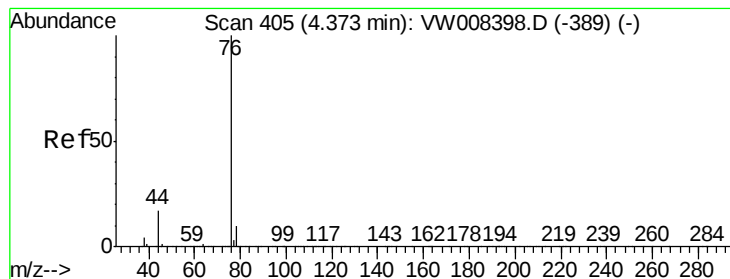
Tgt Ion: 43 Resp: 405607

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.6	34.0

43 100

58 26.4 22.6 34.0





#17

Carbon Disulfide

Concen: 46.922 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

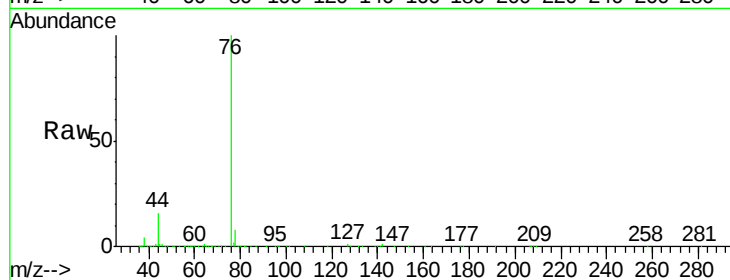
VSTDCCC050

Tot Ion: 76 Resp: 906314

Ion Ratio Lower Upper

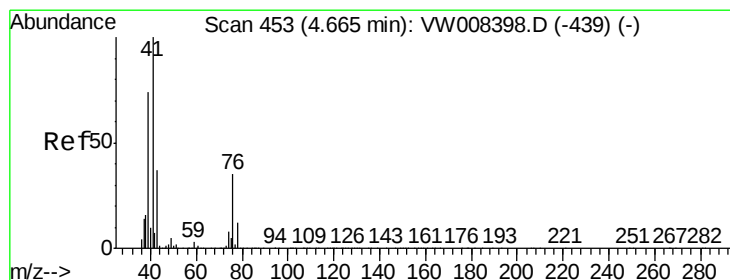
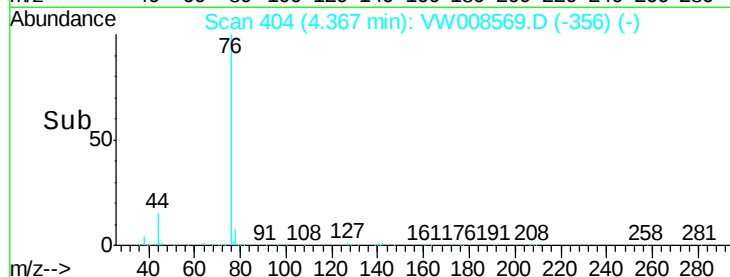
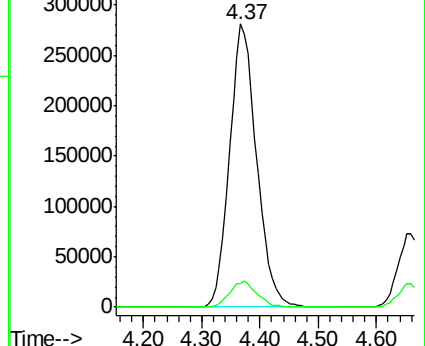
76 100

78 8.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.613 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008569.D

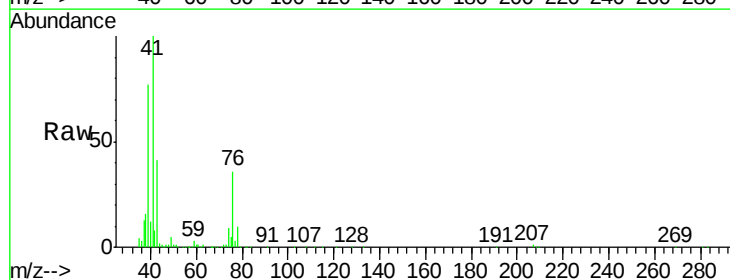
Acq: 08 Feb 2019 12:01

Tgt Ion: 43 Resp: 220099

Ion Ratio Lower Upper

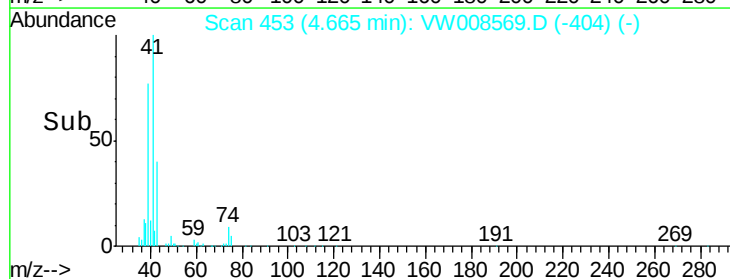
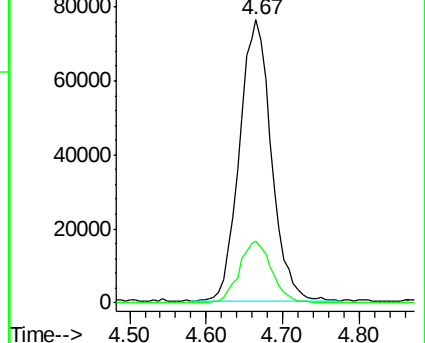
43 100

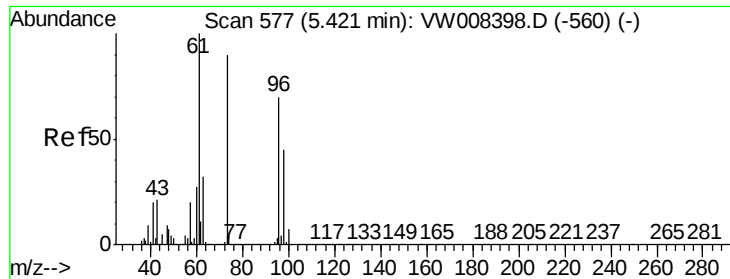
74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

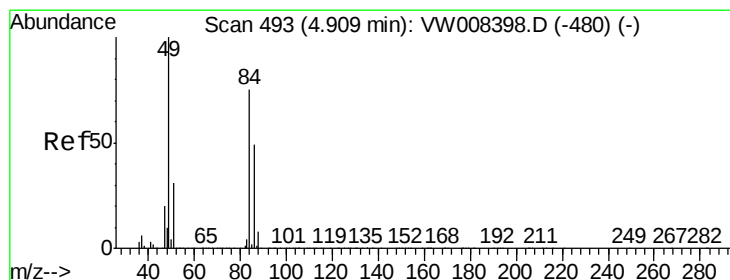
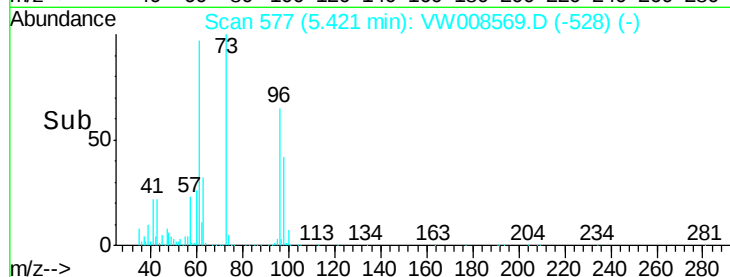
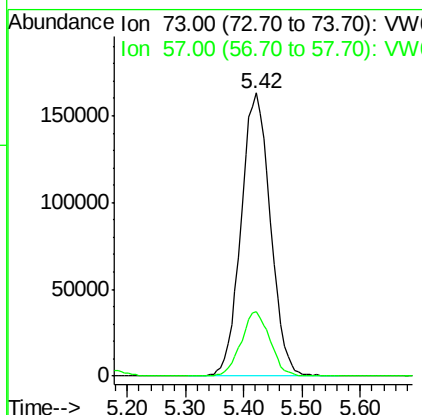
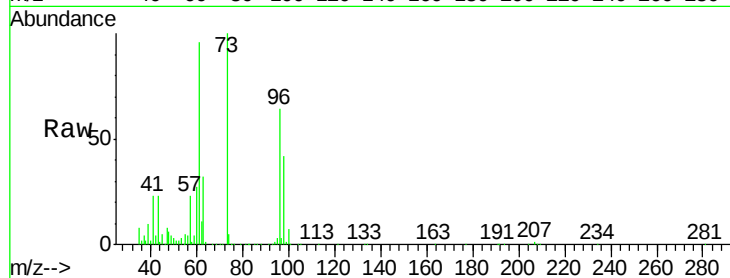




#19
Methvl tert-butvl Ether
Concen: 56.909 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

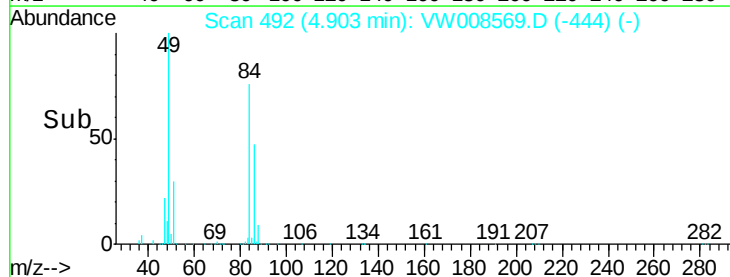
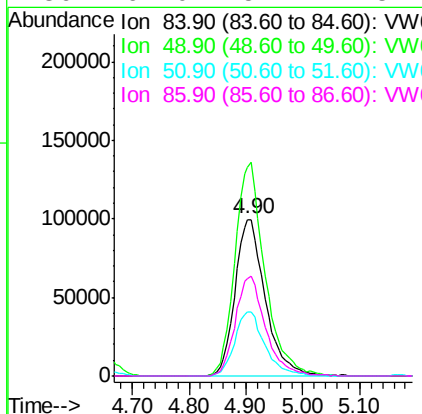
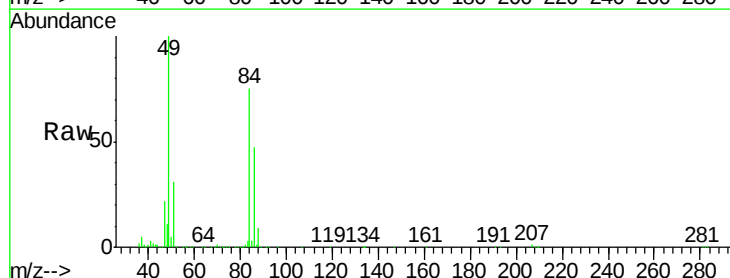
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

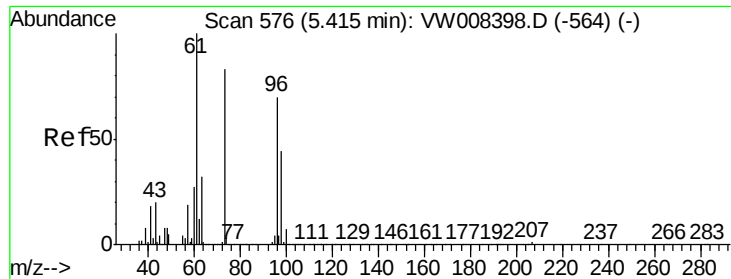
Tot Ion: 73 Resp: 569436
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 54.902 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 84 Resp: 368852
Ion Ratio Lower Upper
84 100
49 133.1 106.8 160.2
51 40.5 32.9 49.3
86 62.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 52.338 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

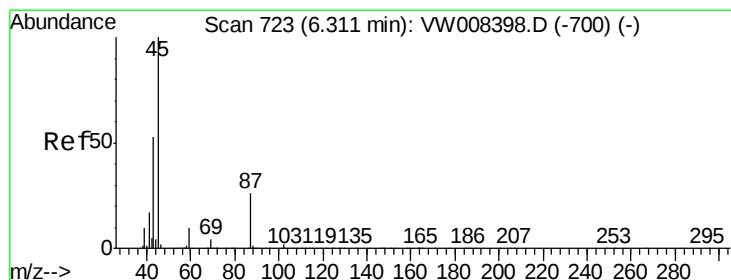
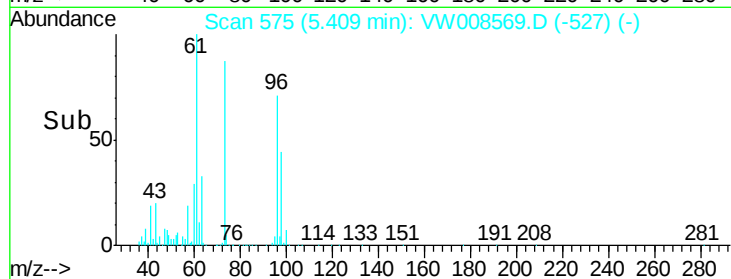
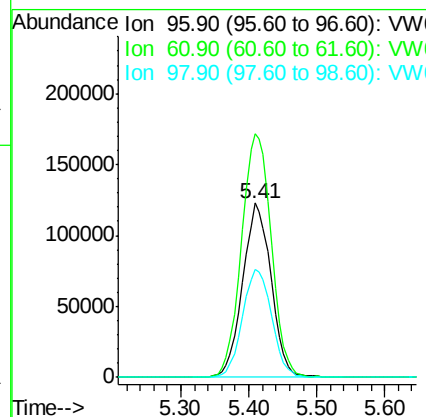
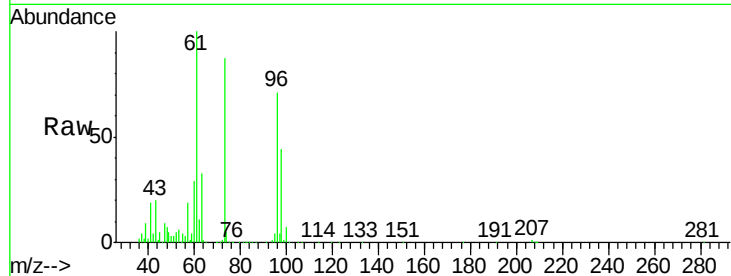
Tot Ion: 96 Resp: 355853

Ion Ratio Lower Upper

96 100

61 140.1 114.4 171.6

98 61.8 50.6 75.8



#22

Diisopropyl ether

Concen: 53.130 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Tgt Ion: 45 Resp: 1156353

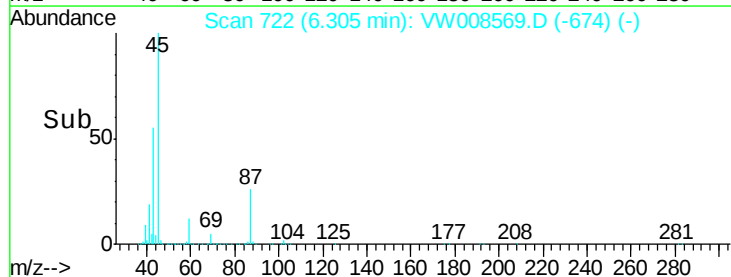
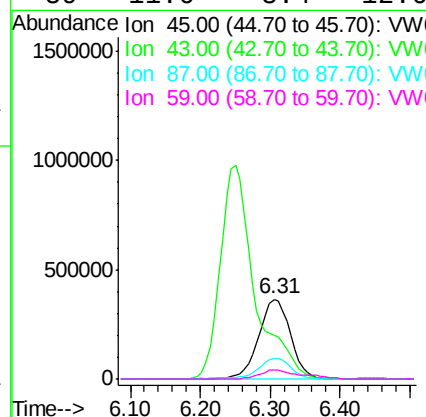
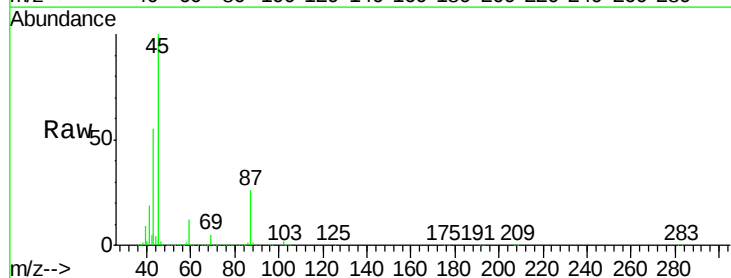
Ion Ratio Lower Upper

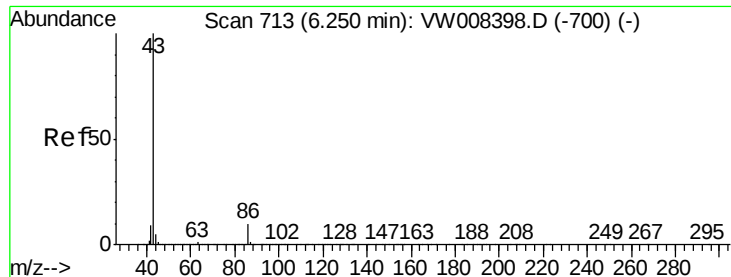
45 100

43 54.6 42.6 63.8

87 26.2 20.3 30.5

59 11.6 8.4 12.6





#23

Vinyl Acetate

Concen: 259.396 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

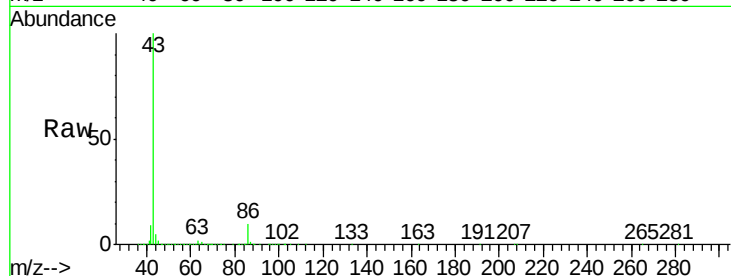
VSTDCCC050

Tot Ion: 43 Resp: 3333657

Ion Ratio Lower Upper

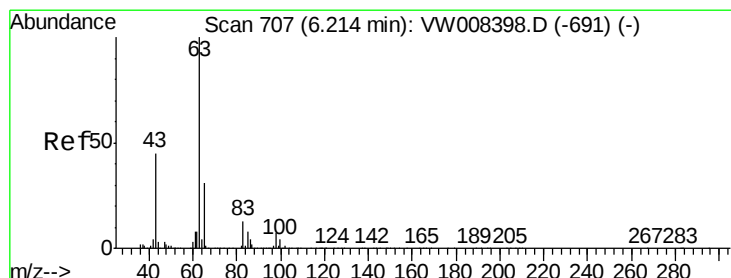
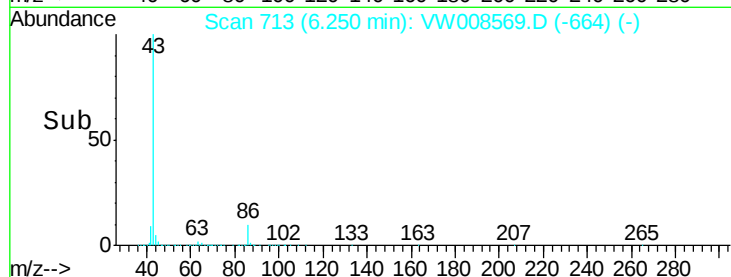
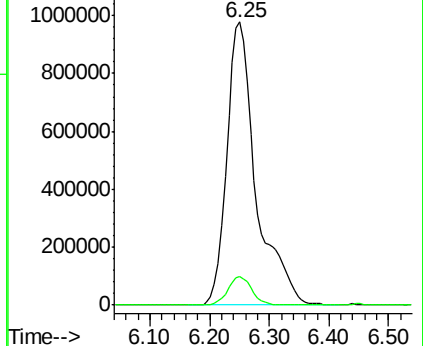
43 100

86 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.563 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

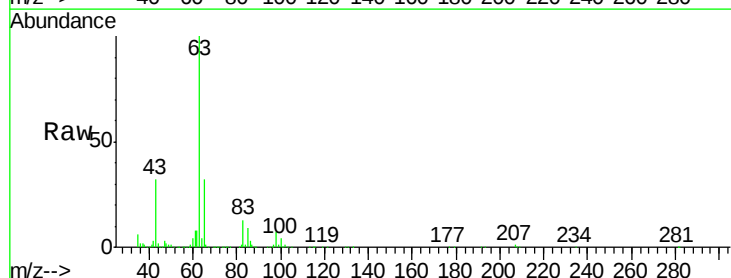
Tgt Ion: 63 Resp: 672205

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

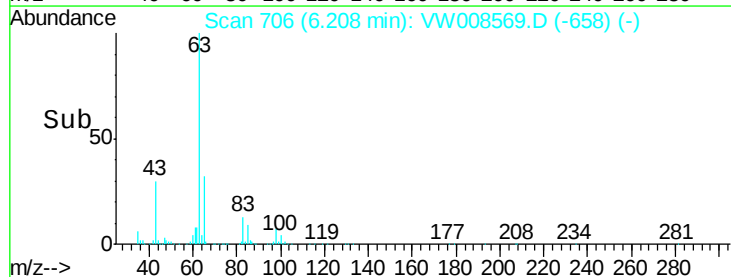
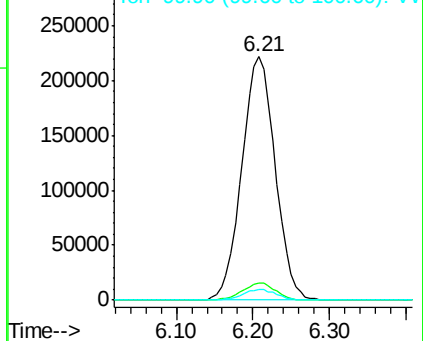
100 4.4 2.1 6.2



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: 258.945 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

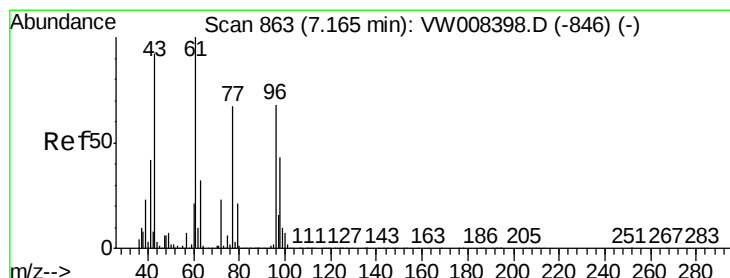
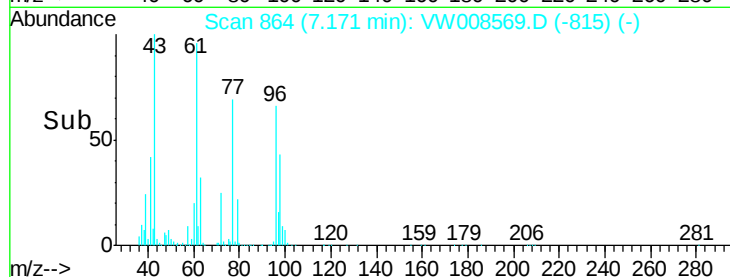
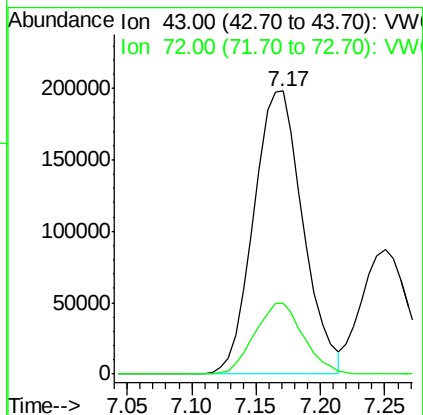
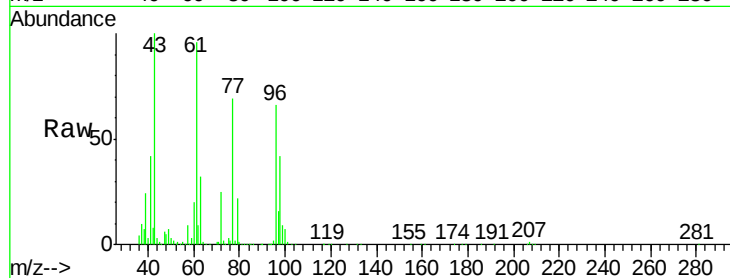
VSTDCCC050

Tot Ion: 43 Resp: 524265

Ion Ratio Lower Upper

43 100

72 25.2 20.1 30.1



#26

2,2-Dichloropropane

Concen: 55.704 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008569.D

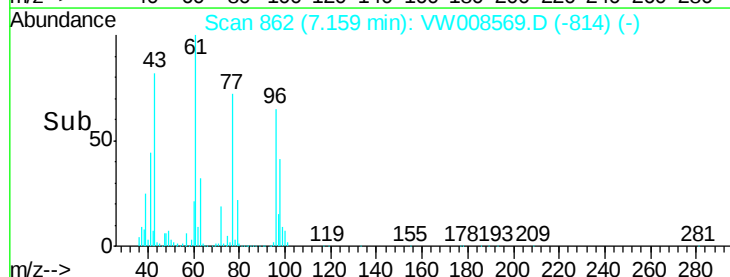
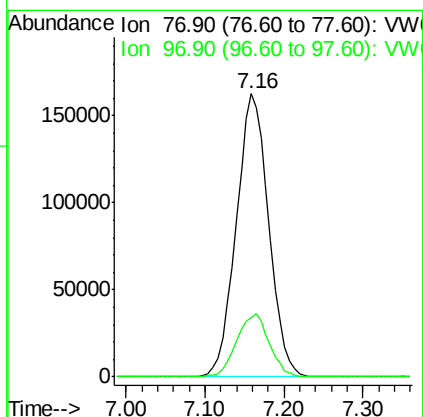
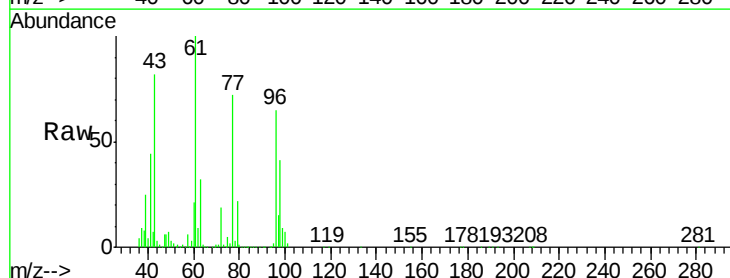
Acq: 08 Feb 2019 12:01

Tgt Ion: 77 Resp: 463875

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5



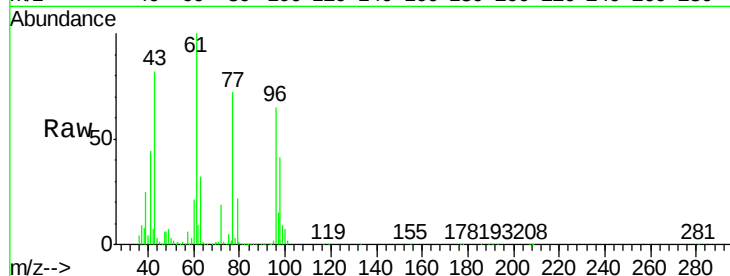


#27

cis-1,2-Dichloroethene
Concen: 53.345 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	292.8
98	64.1	0.0	129.2

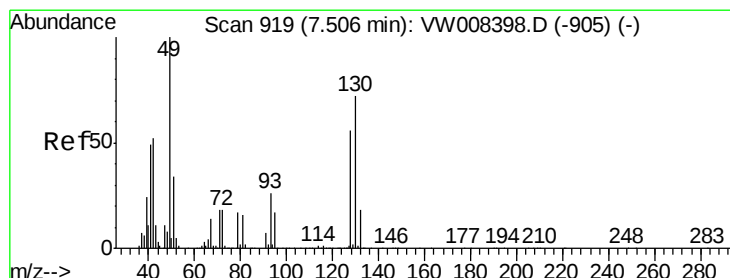
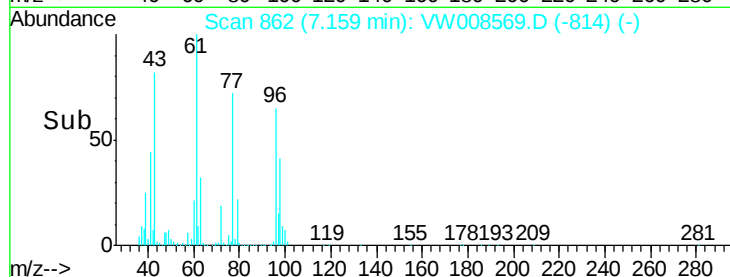
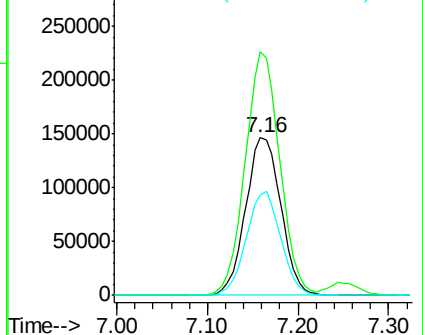


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

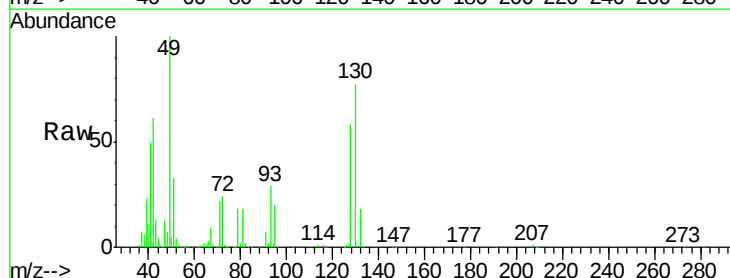
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 50.172 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	72.8	58.6	87.8

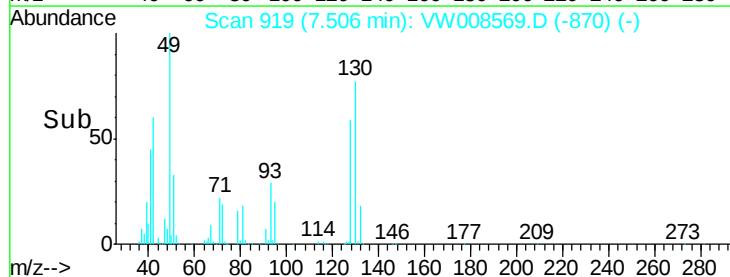
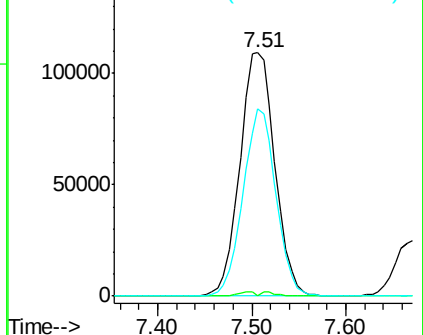


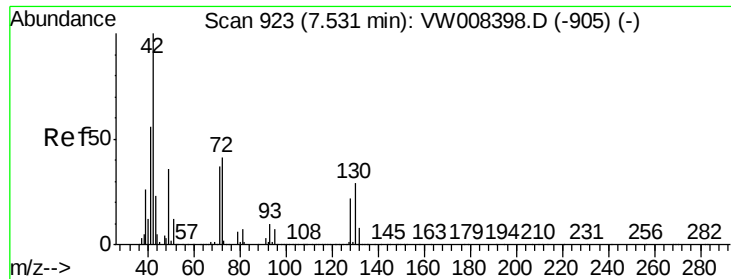
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW

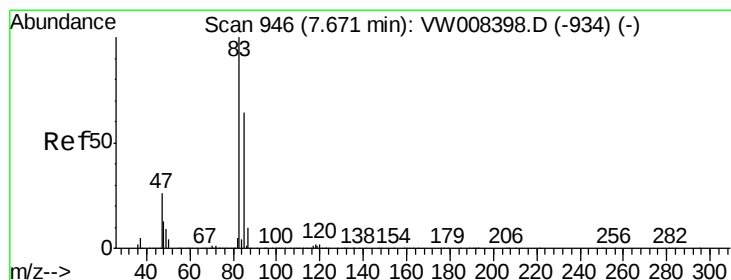
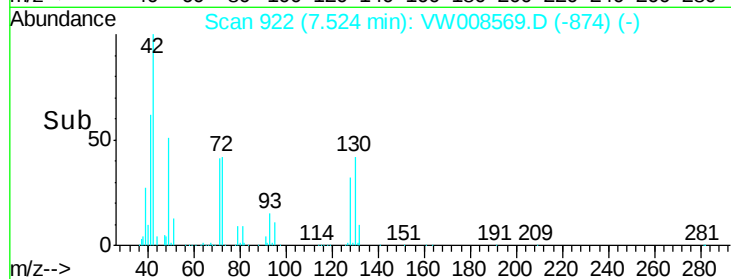
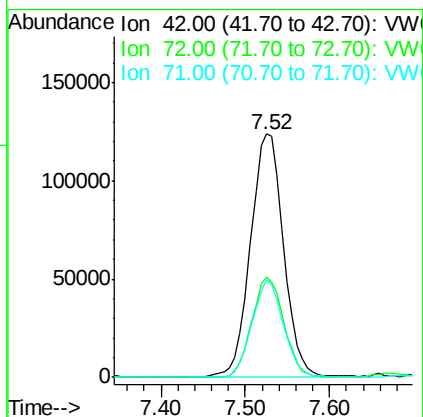
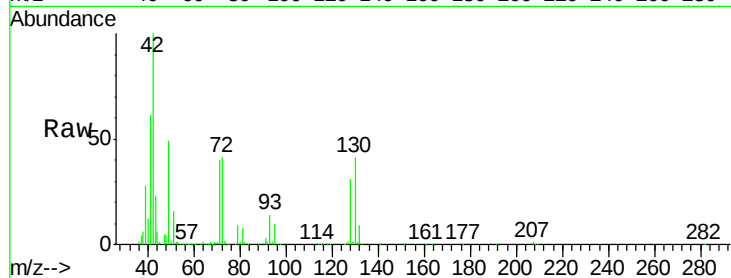




#29
Tetrahydrofuran
Concen: 257.068 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

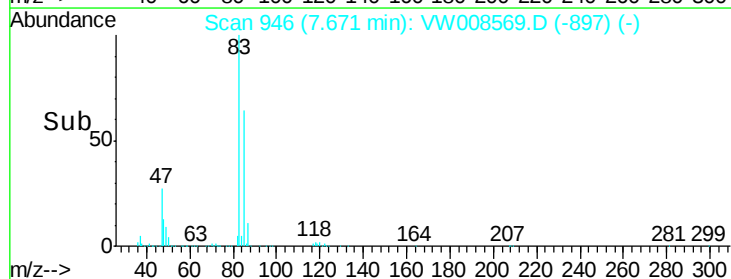
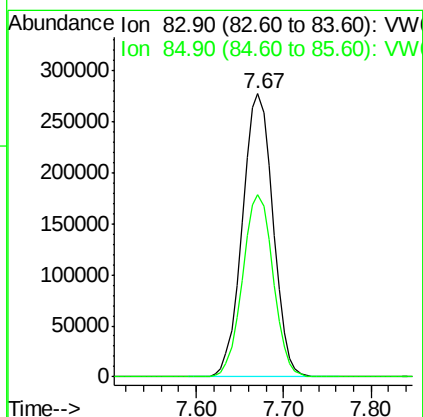
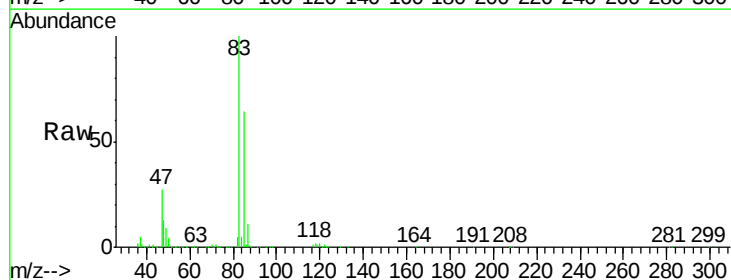
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

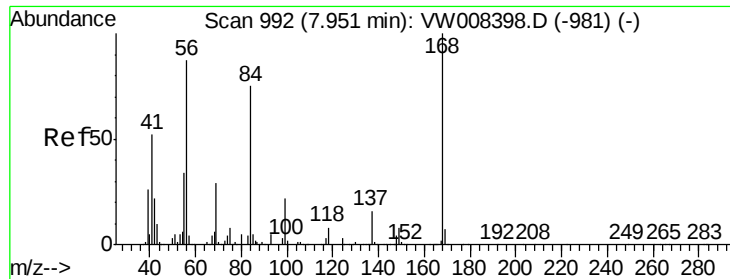
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.9	47.9
71	38.3	29.9	44.9



#30
Chloroform
Concen: 55.548 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3

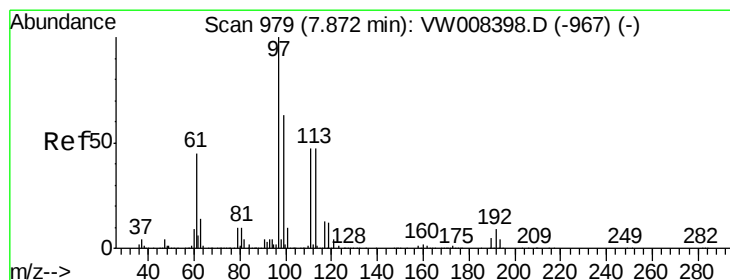
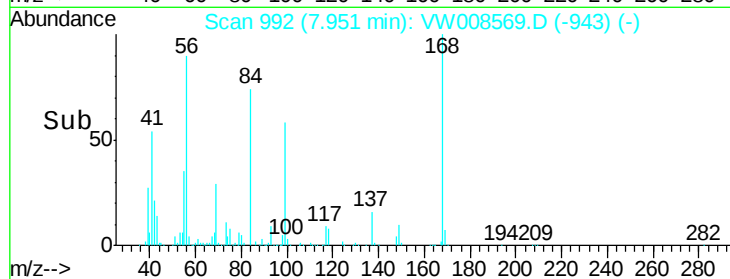
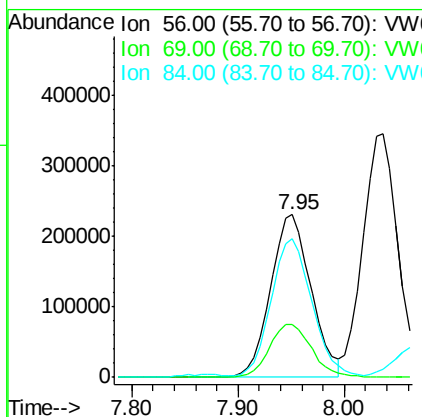
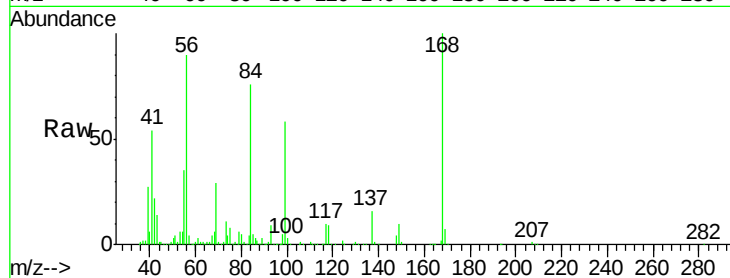




#31
Cyclohexane
Concen: 47.624 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

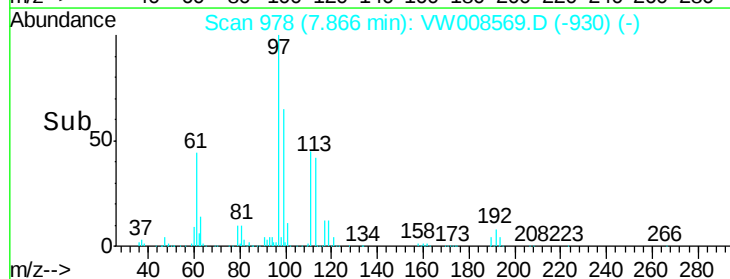
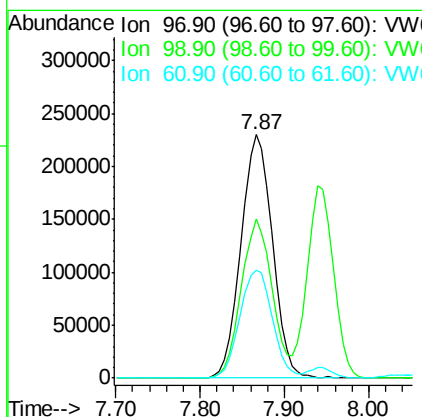
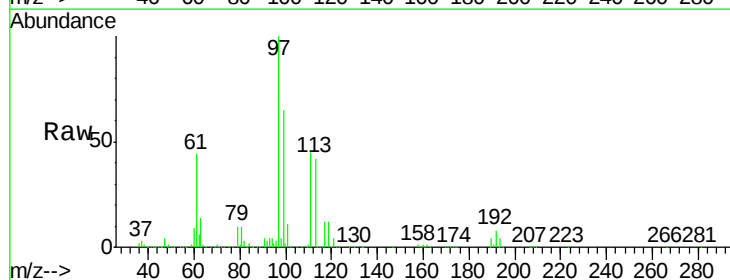
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

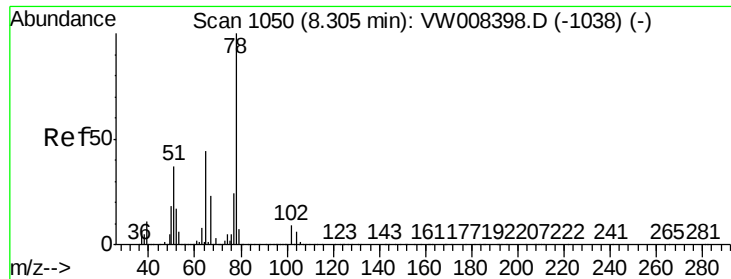
Tot Ion: 56 Resp: 606672
Ion Ratio Lower Upper
56 100
69 32.4 26.4 39.6
84 83.6 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 55.690 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 97 Resp: 582866
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.8 36.2 54.4

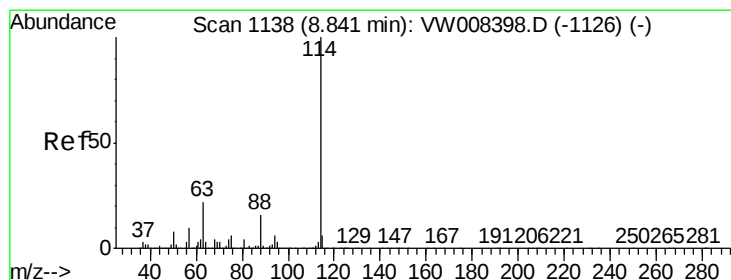
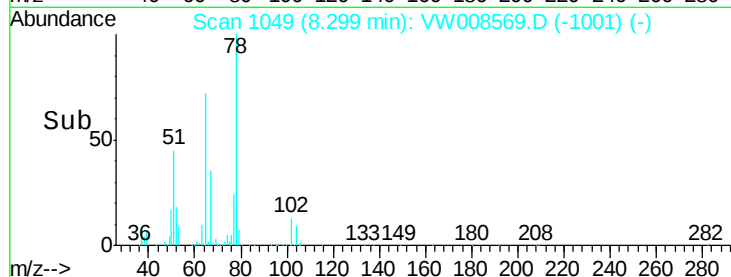
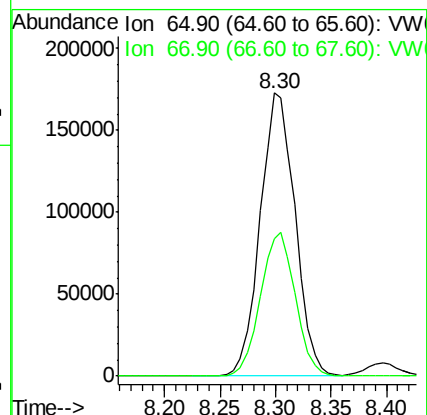
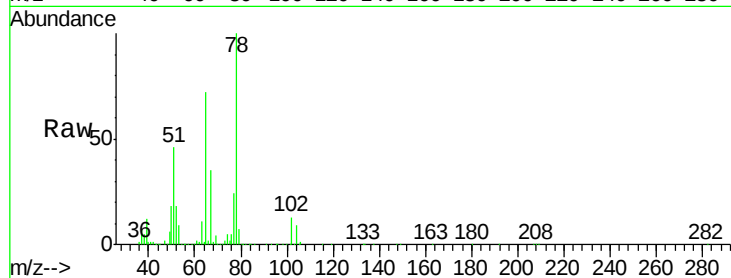




#33
 1,2-Dichloroethane-d4
 Concen: 58.151 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

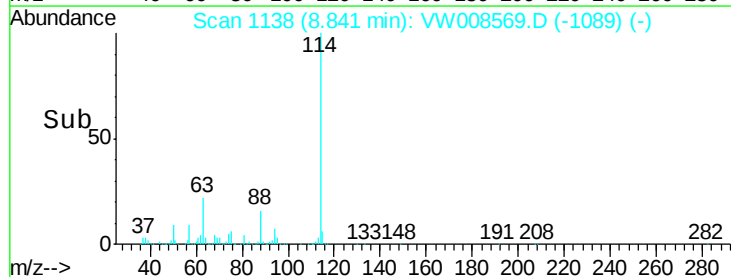
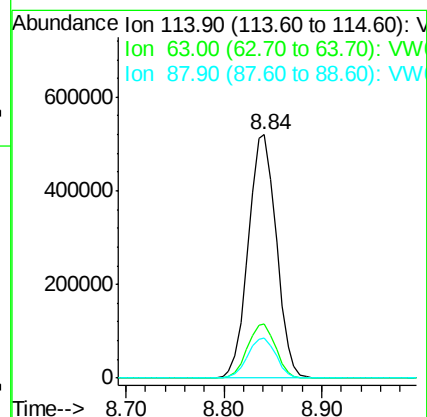
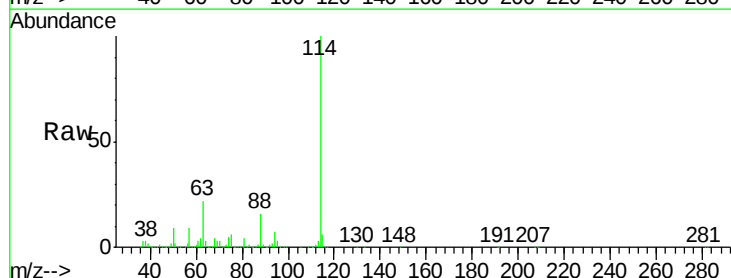
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

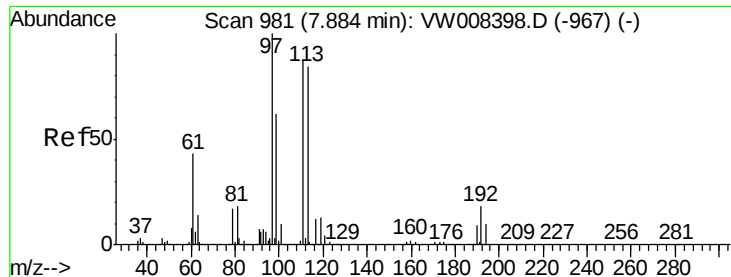
Tot Ion: 65 Resp: 377455
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion: 114 Resp: 1035345
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.6
 88 16.3 0.0 31.8

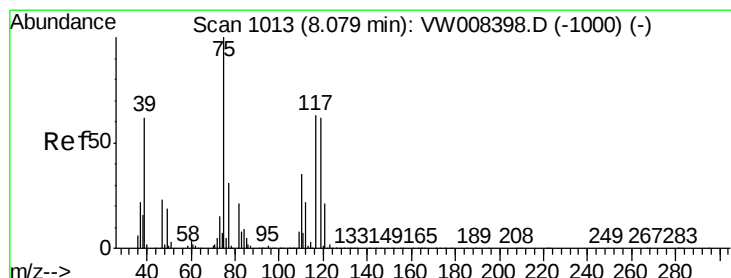
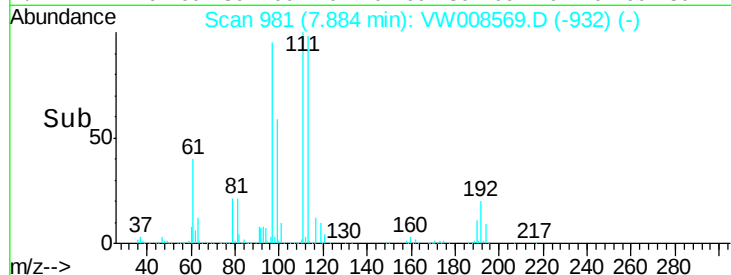
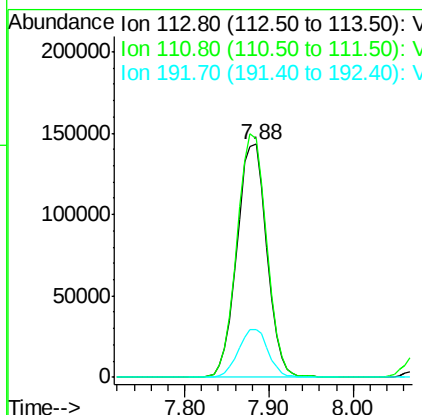
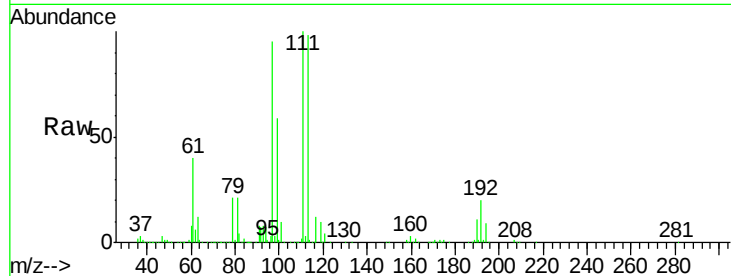




#35
 Dibromofluoromethane
 Concen: 56.647 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

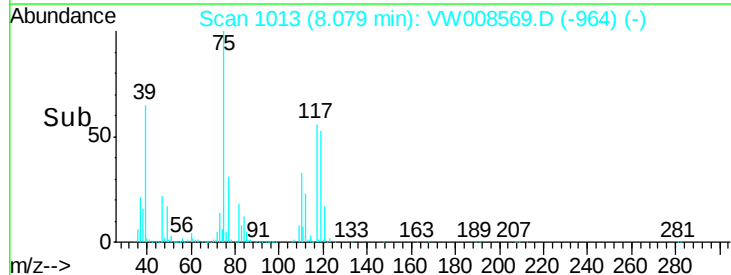
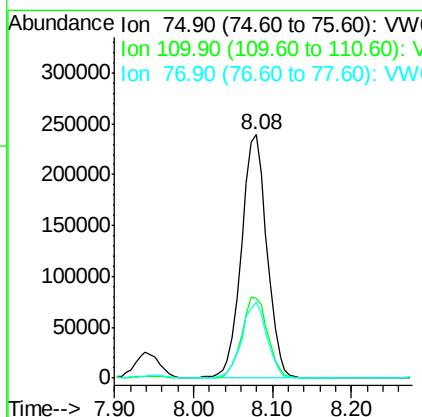
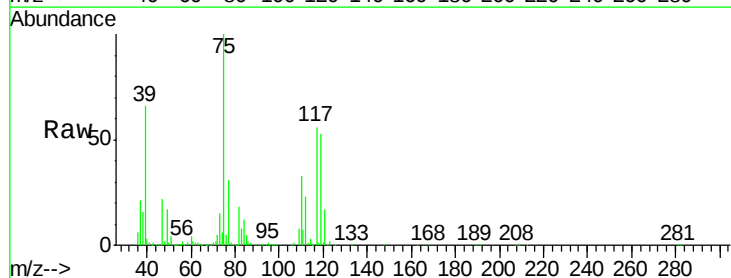
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

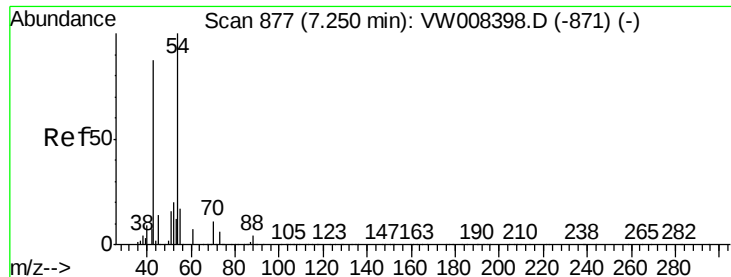
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	20.4	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 54.745 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	52.0
77	30.9	24.7	37.1

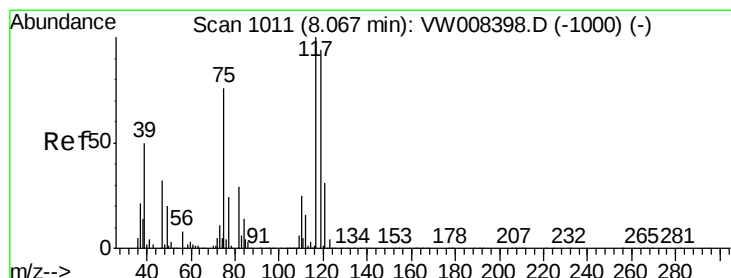
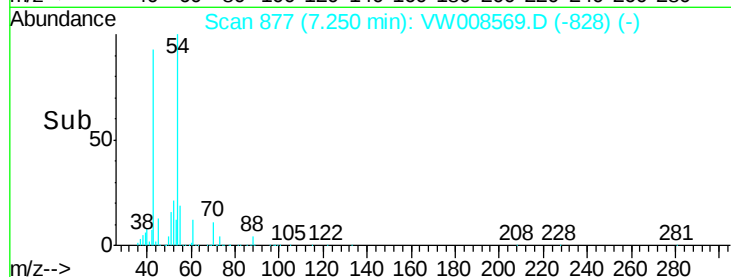
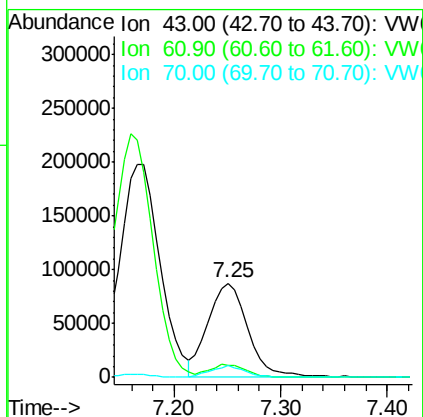
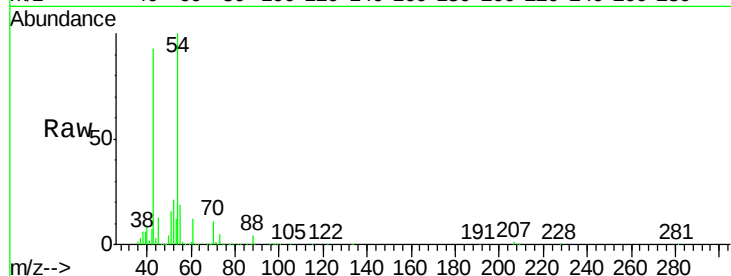




#37
Ethyl Acetate
Concen: 51.554 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

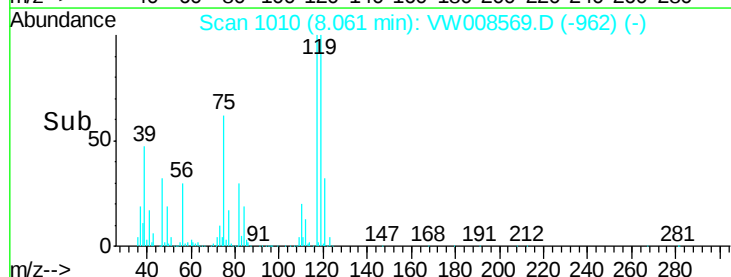
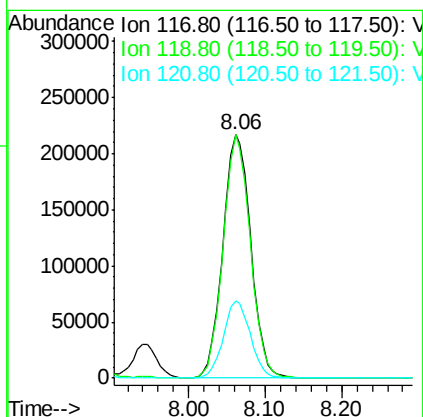
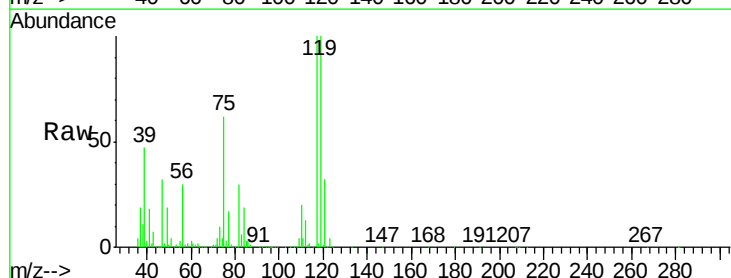
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

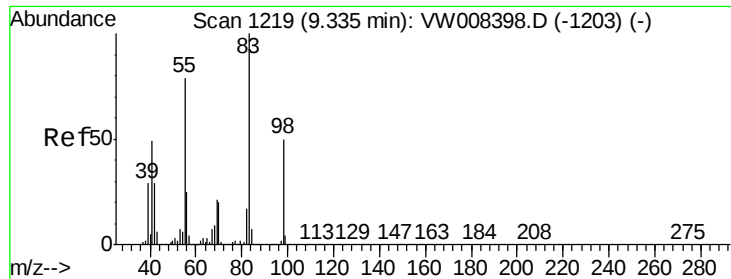
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.1	15.1
70	10.6	7.8	11.6



#38
Carbon Tetrachloride
Concen: 55.599 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	75.0	112.4
121	31.7	24.9	37.3

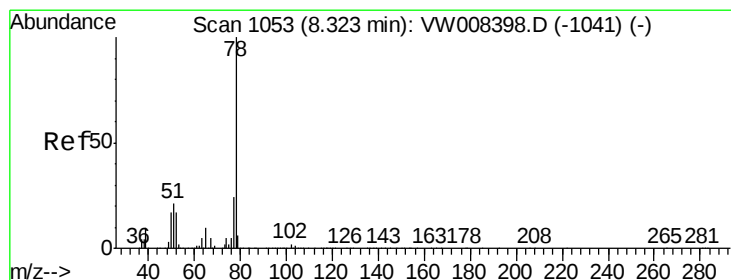
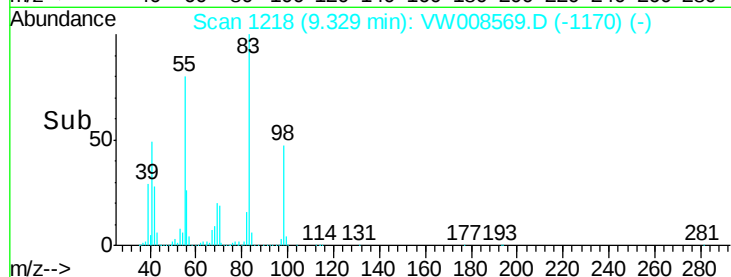
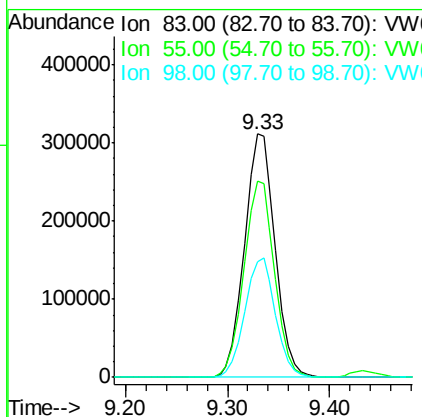
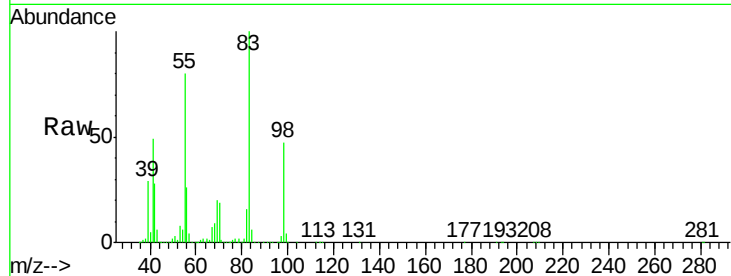




#39
Methvlcvclohexane
Concen: 50.507 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

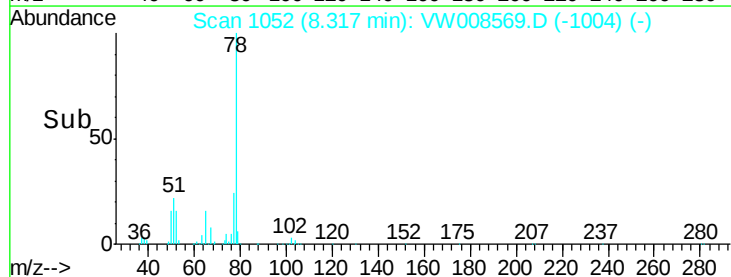
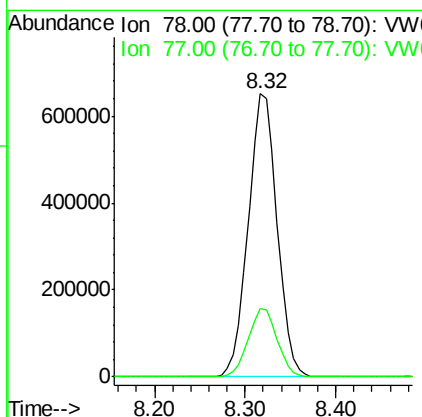
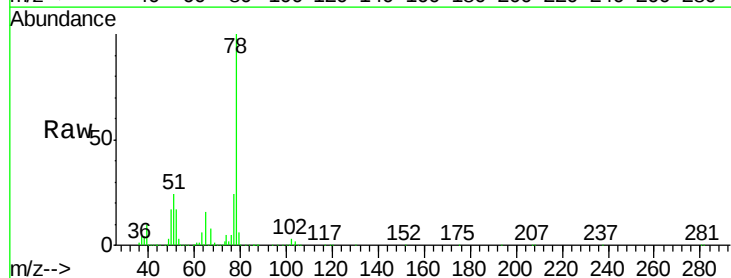
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	648894
Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.3	94.9
98	47.4	39.7	59.5



#40
Benzene
Concen: 52.741 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion	78.00	Resp	1431301
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

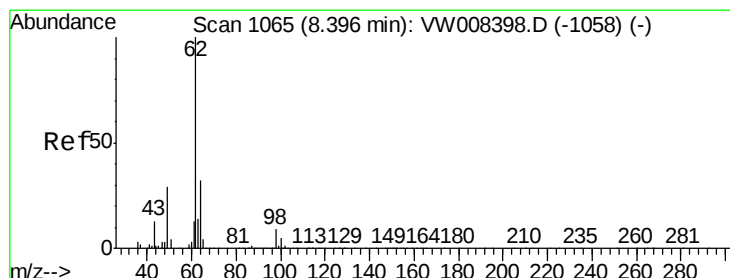
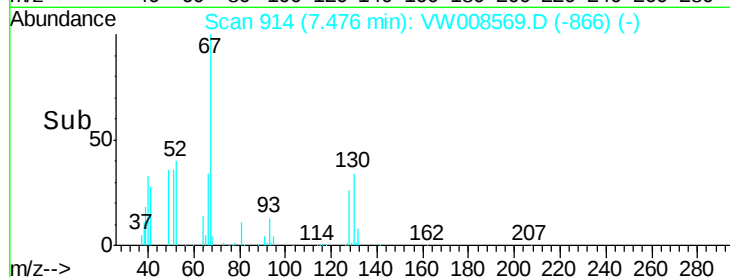
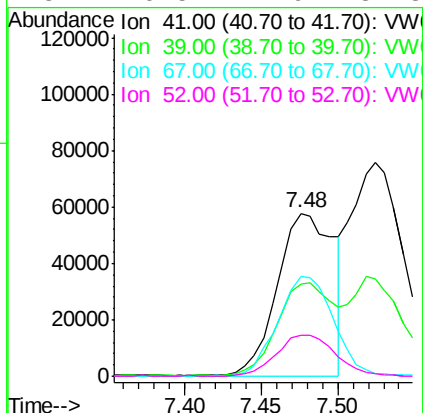
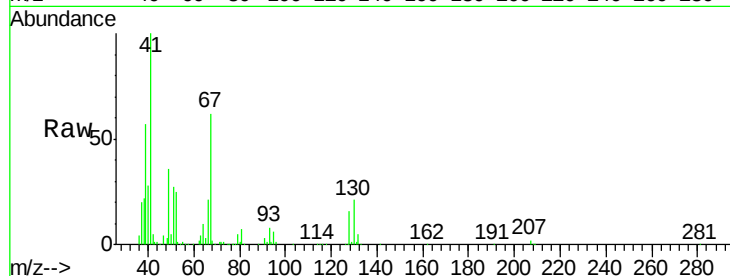




#41
Methacrylonitrile
Concen: 57.840 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

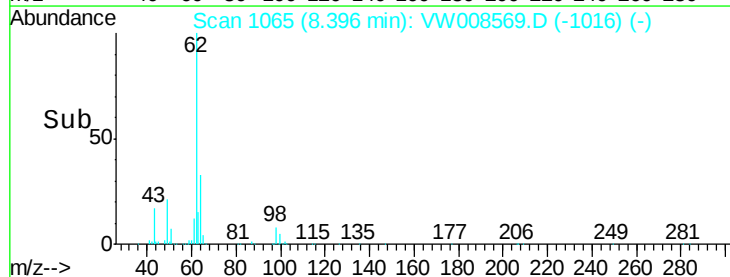
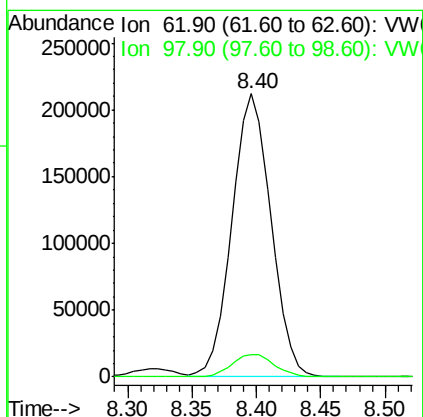
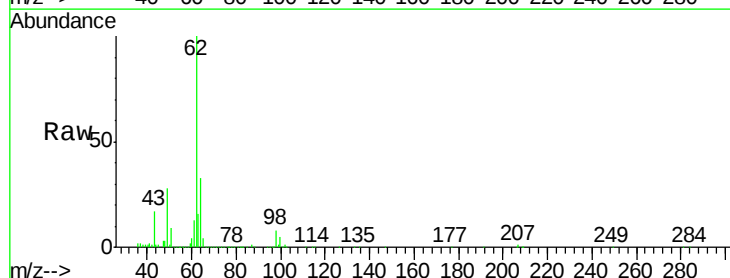
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

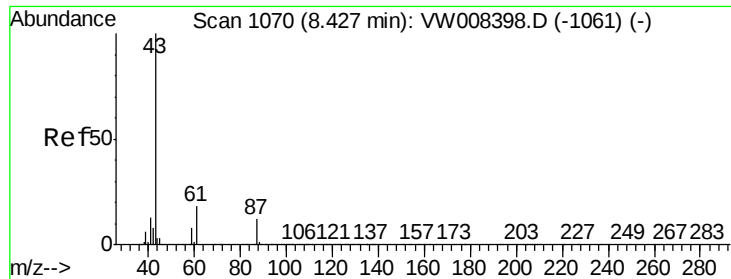
Tot Ion:	41	Resp:	148190
Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.4	65.0
67	61.1	54.2	81.2
52	26.5	22.9	34.3



#42
1,2-Dichloroethane
Concen: 56.573 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion:	62	Resp:	444925
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 52.070 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

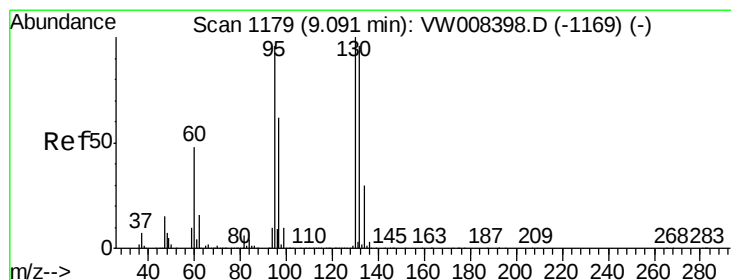
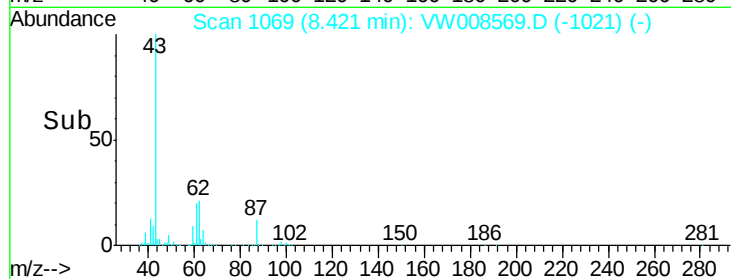
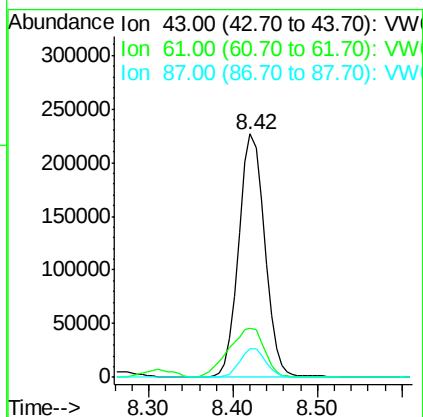
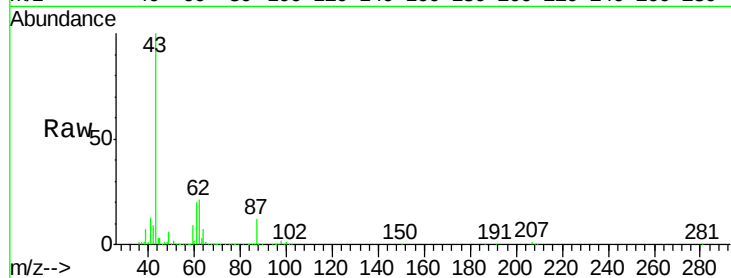
Tot Ion: 43 Resp: 468076

Ion Ratio Lower Upper

43 100

61 28.0 22.0 33.0

87 12.0 9.3 13.9



#44

Trichloroethene

Concen: 53.161 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008569.D

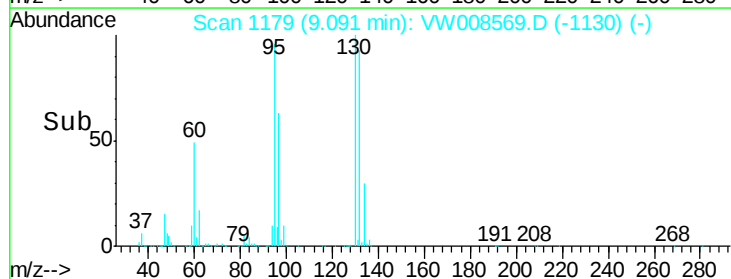
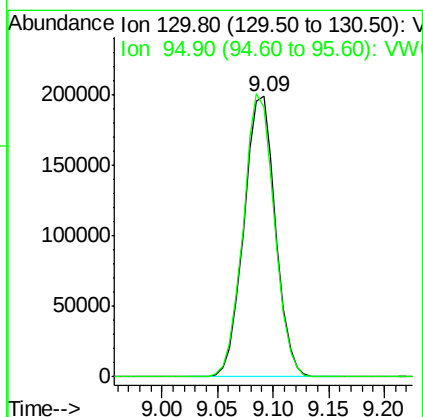
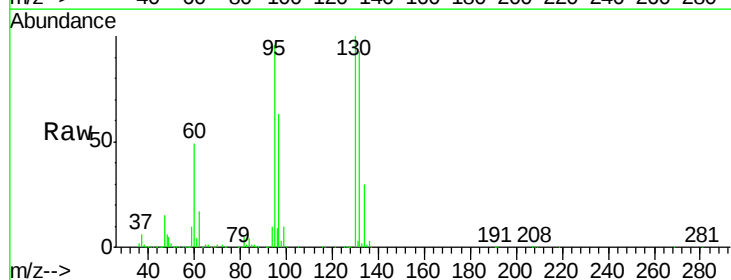
Acq: 08 Feb 2019 12:01

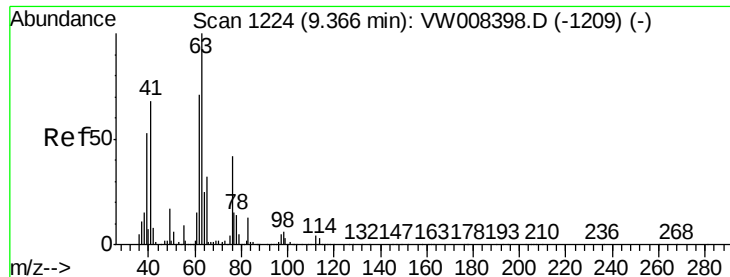
Tgt Ion: 130 Resp: 392314

Ion Ratio Lower Upper

130 100

95 96.1 0.0 191.6

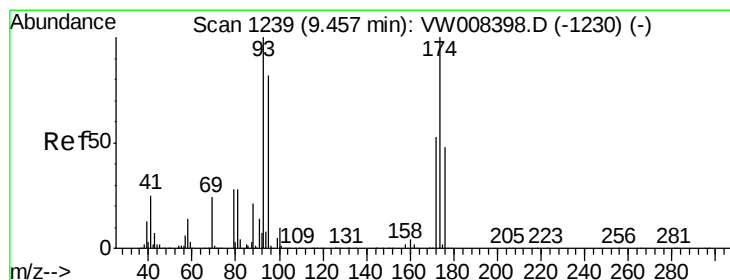
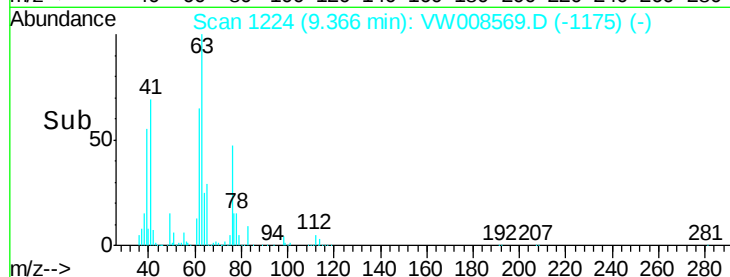
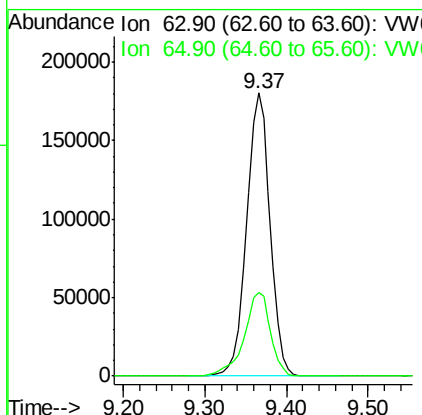
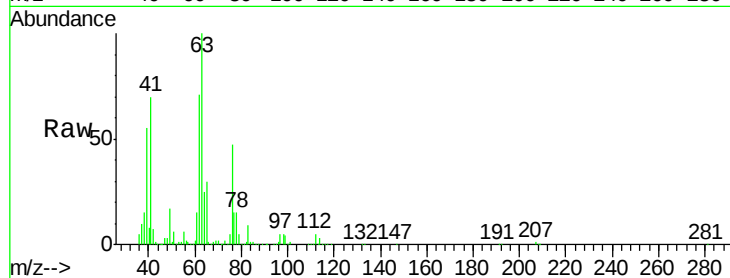




#45
 1,2-Dichloropropane
 Concen: 53.276 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

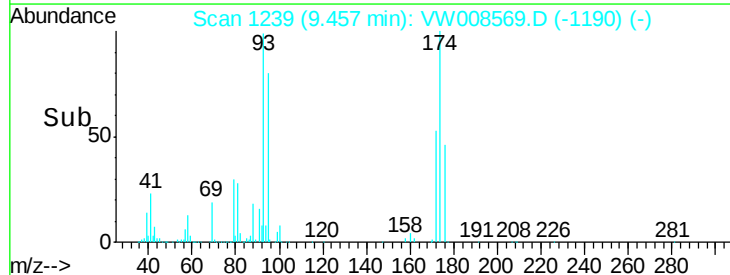
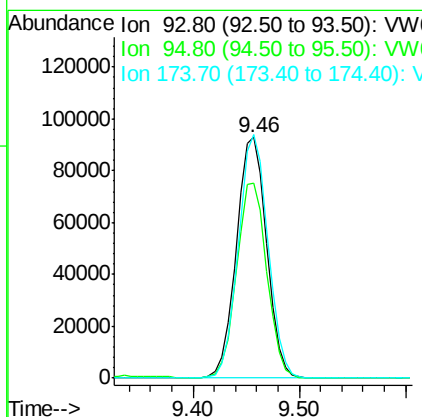
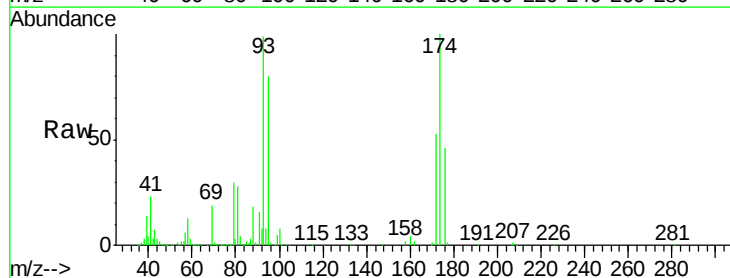
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

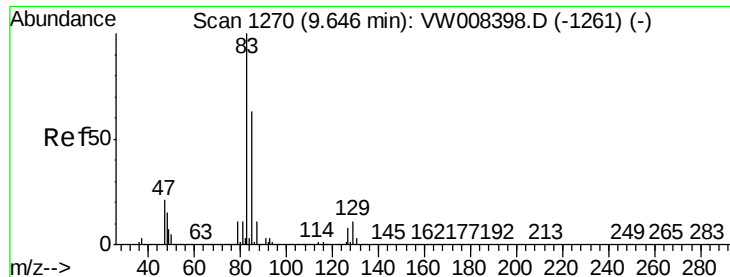
Tot Ion: 63 Resp: 360496
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8



#46
 Dibromomethane
 Concen: 53.257 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion: 93 Resp: 185352
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.9 98.9
 174 99.1 81.0 121.6

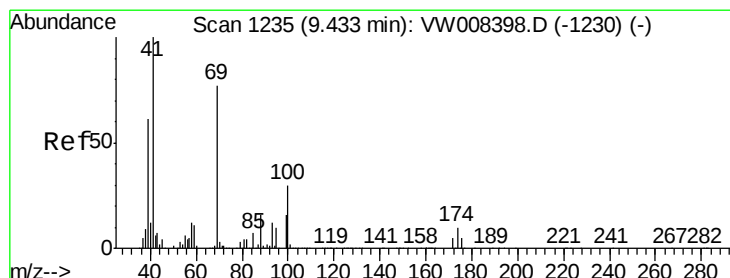
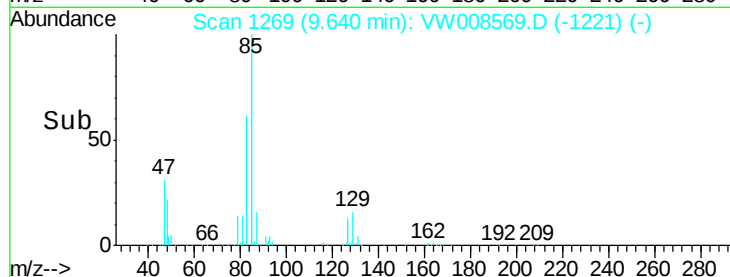
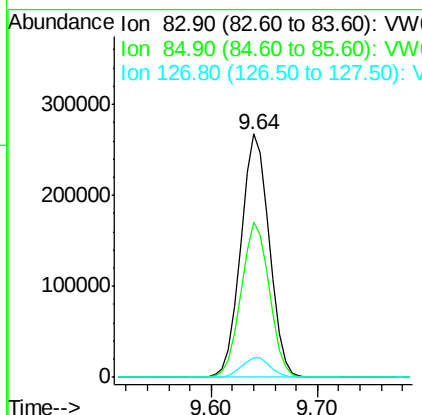
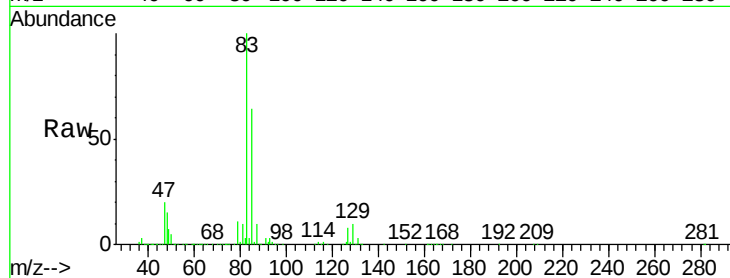




#47
Bromodichloromethane
Concen: 54.507 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

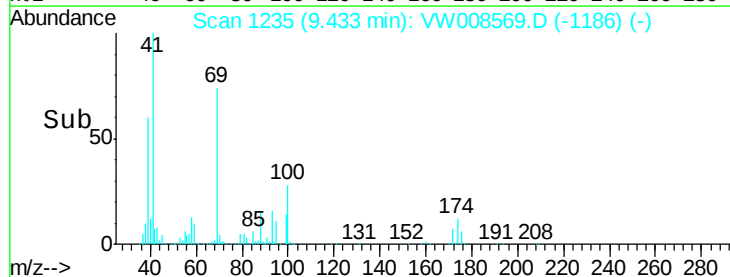
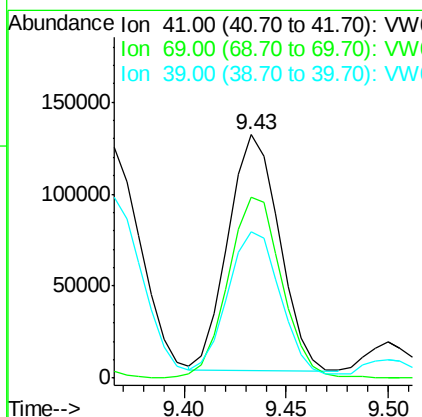
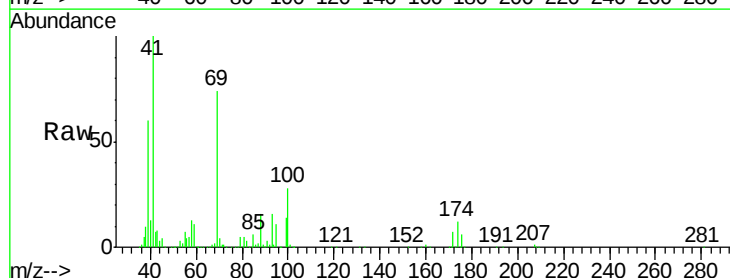
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

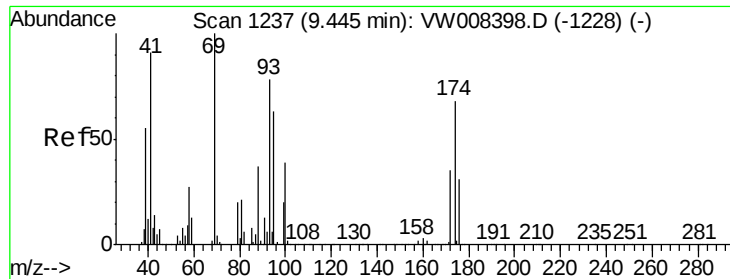
Tot Ion: 83 Resp: 501764
Ion Ratio Lower Upper
83 100
85 63.9 50.8 76.2
127 8.2 6.8 10.2



#48
Methyl methacrylate
Concen: 51.117 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 41 Resp: 224684
Ion Ratio Lower Upper
41 100
69 79.6 64.8 97.2
39 61.4 49.1 73.7

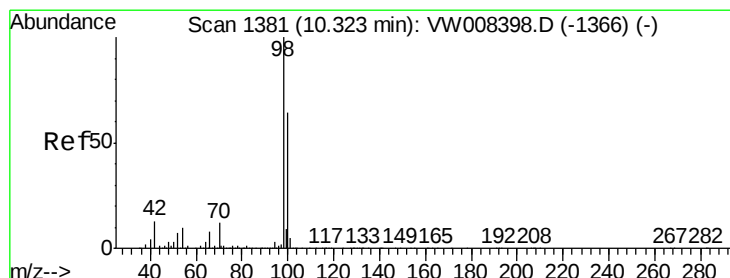
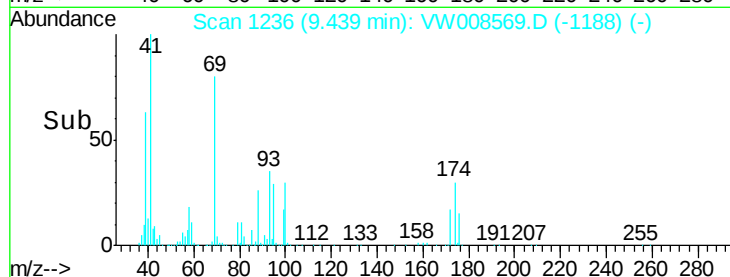
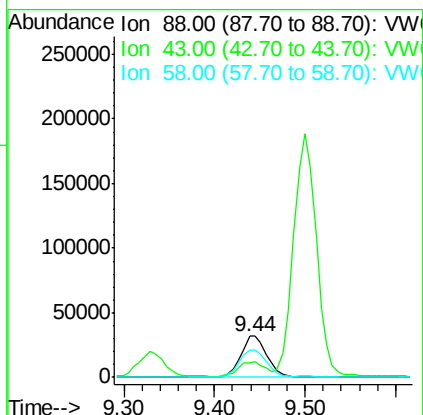
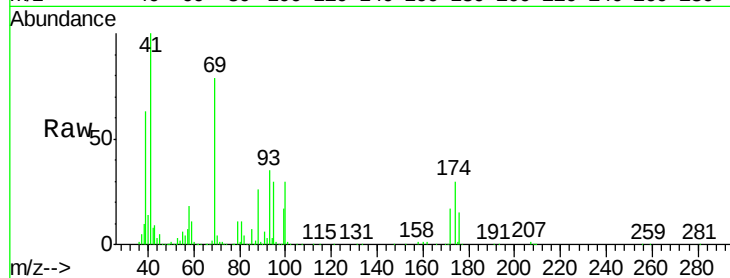




#49
1,4-Dioxane
Concen: 1079.504 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

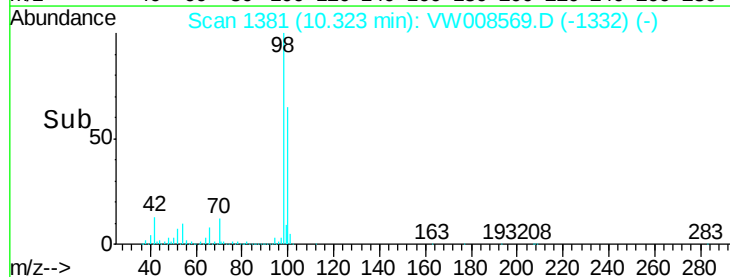
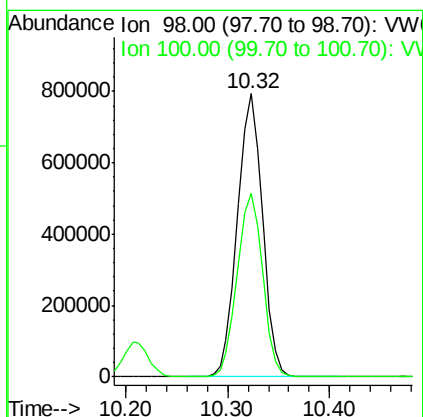
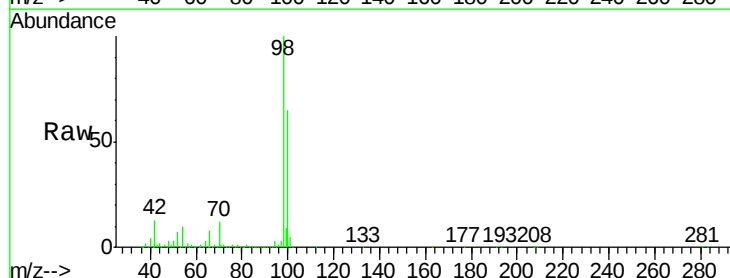
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

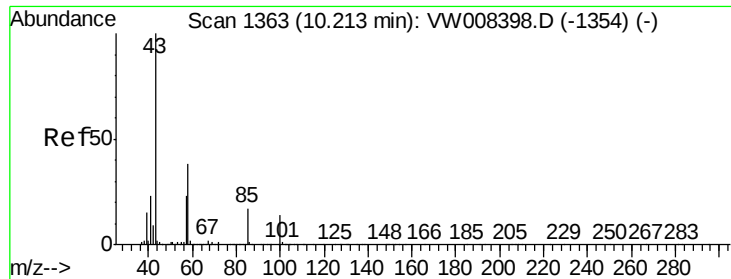
Tot Ion: 88 Resp: 63505
Ion Ratio Lower Upper
88 100
43 36.6 29.0 43.4
58 71.8 56.4 84.6



#50
Toluene-d8
Concen: 55.746 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 98 Resp: 1353342
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 258.047 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

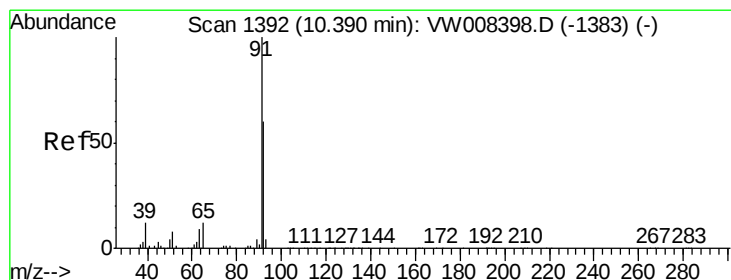
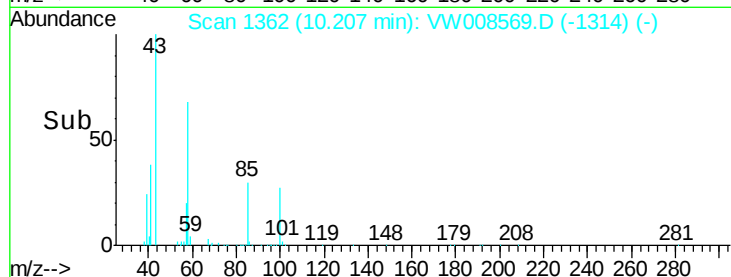
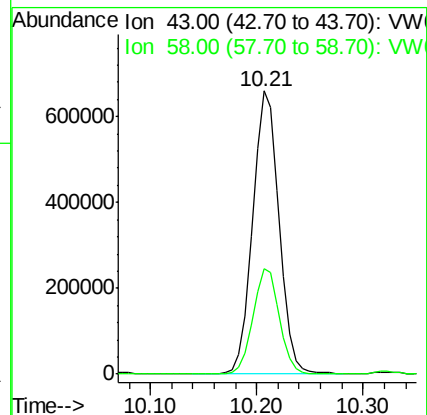
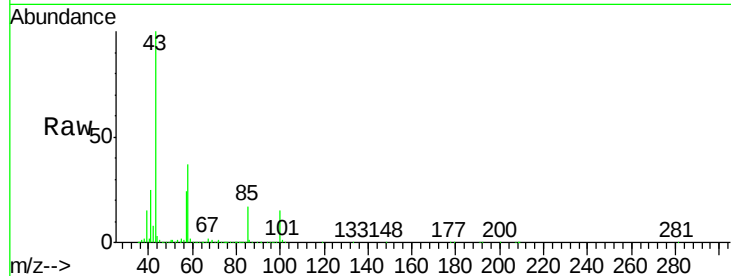
VSTDCCC050

Tot Ion: 43 Resp: 1145990

Ion Ratio Lower Upper

43 100

58 37.2 29.7 44.5



#52

Toluene

Concen: 52.835 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008569.D

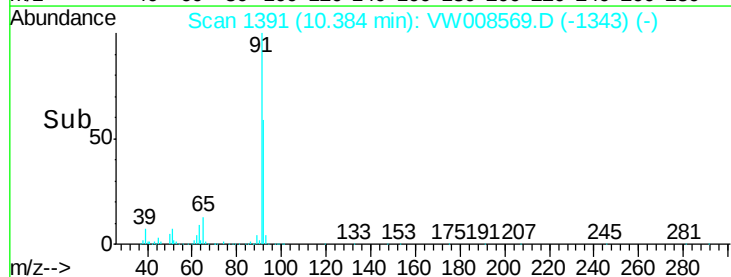
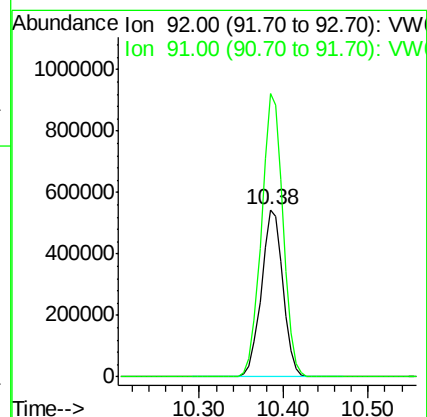
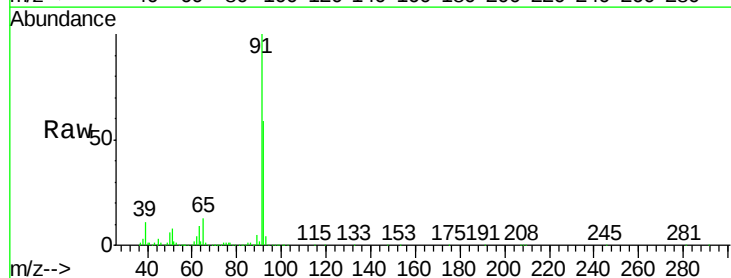
Acq: 08 Feb 2019 12:01

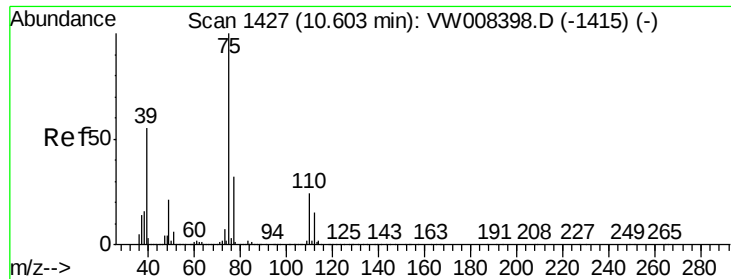
Tgt Ion: 92 Resp: 946513

Ion Ratio Lower Upper

92 100

91 169.7 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.581 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

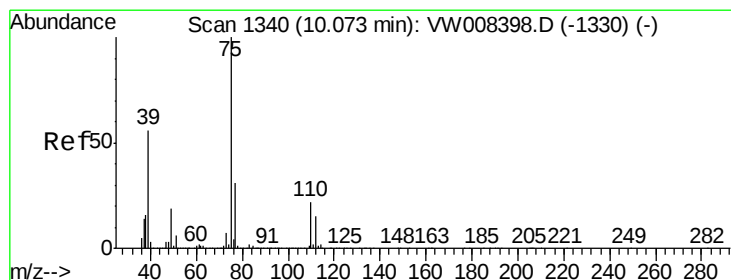
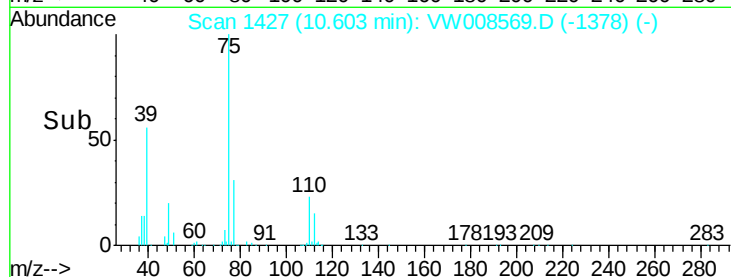
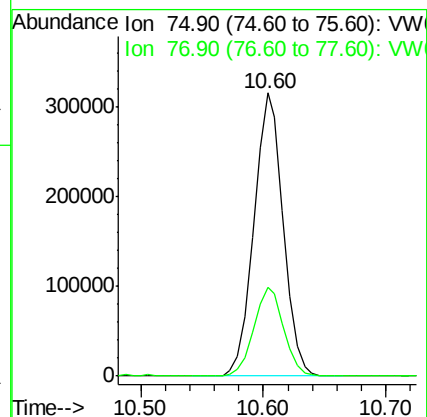
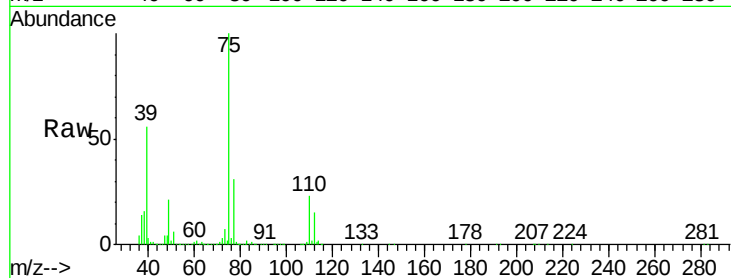
VSTDCCC050

Tot Ion: 75 Resp: 524844

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.200 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

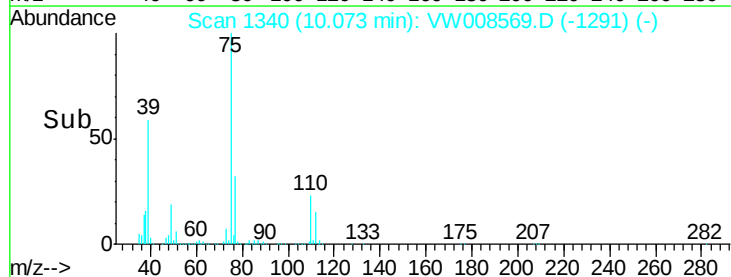
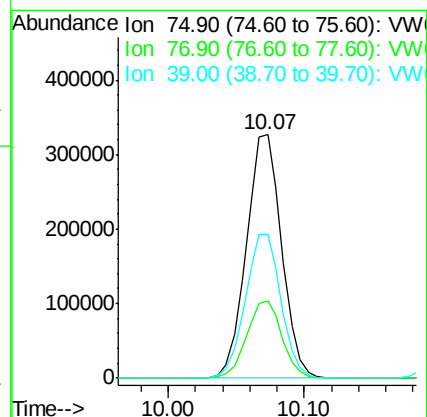
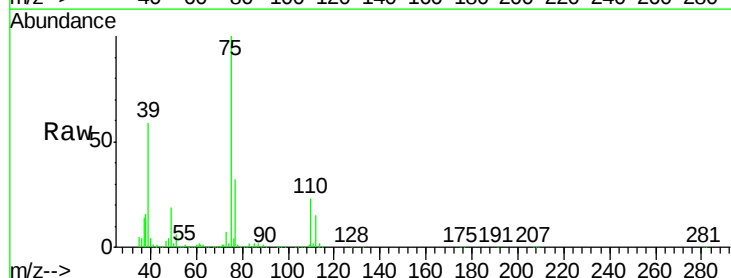
Tgt Ion: 75 Resp: 591384

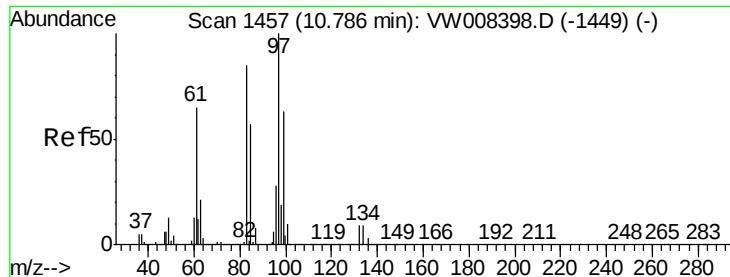
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 58.9 44.9 67.3

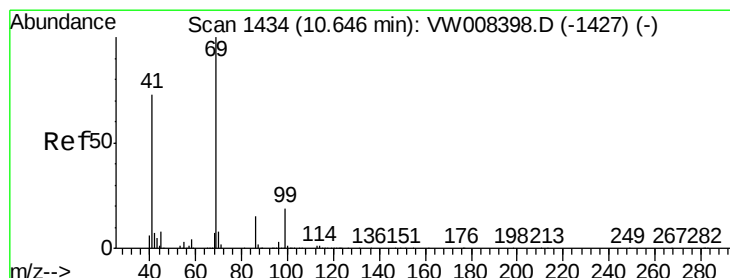
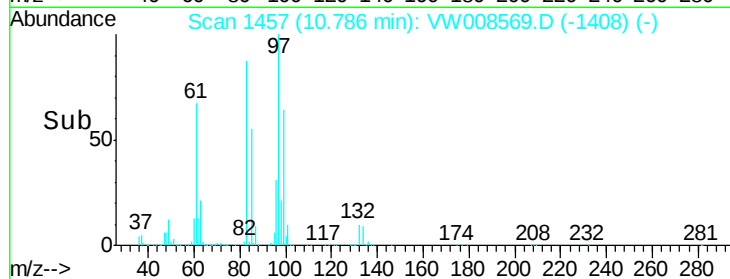
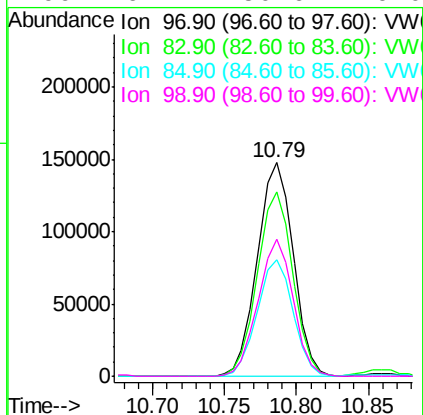
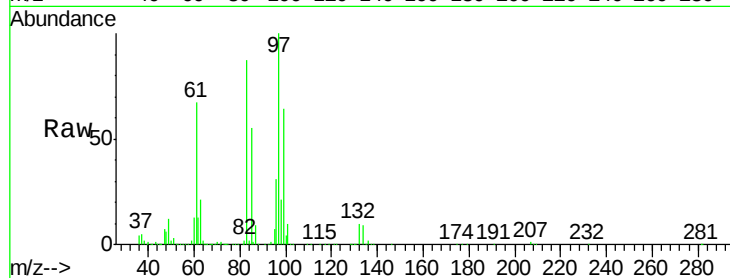




#55
 1,1,2-Trichloroethane
 Concen: 52.942 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

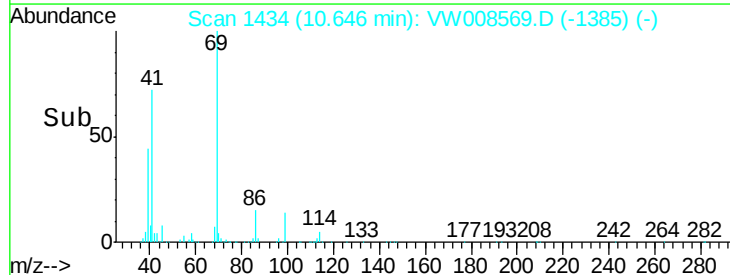
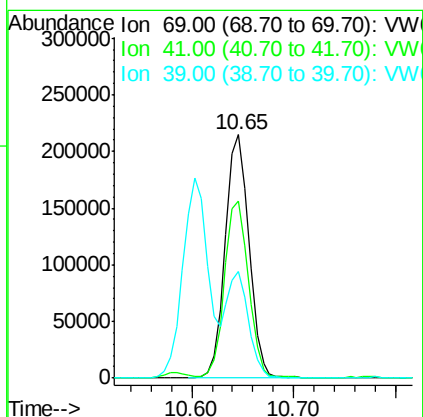
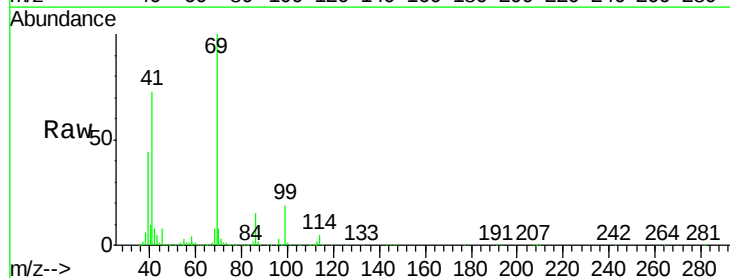
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	255569
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.4	102.6
85	54.6	45.3	67.9
99	64.2	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 51.064 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion:	69	Resp:	345410
Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.7	88.1
39	40.1	32.6	48.8





#57

1,3-Dichloropropane

Concen: 52.941 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

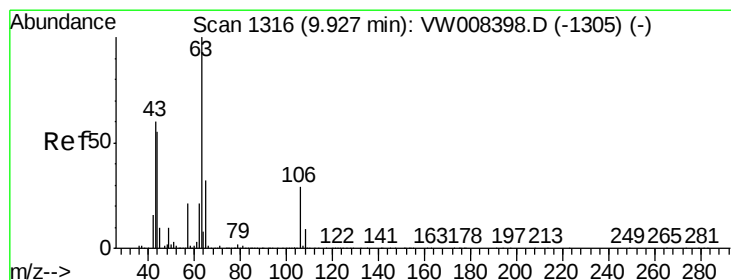
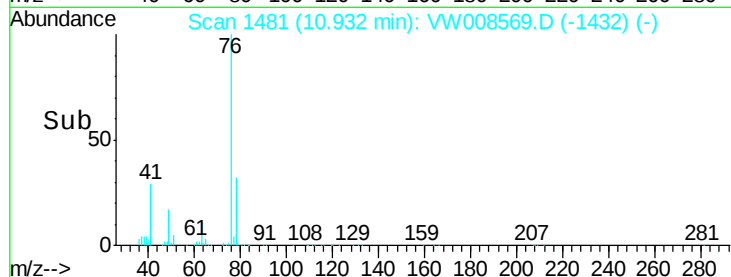
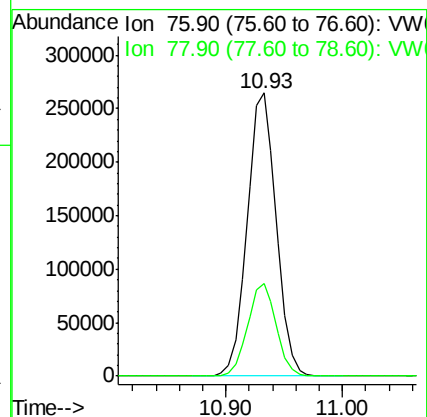
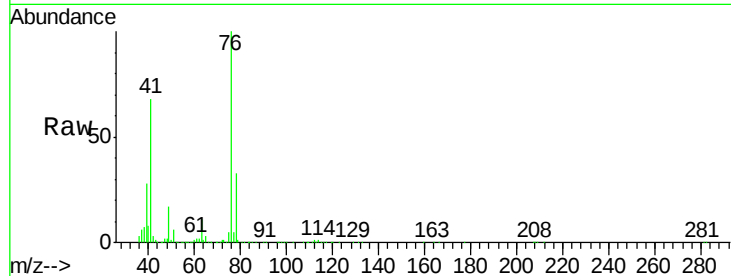
VSTDCCC050

Tot Ion: 76 Resp: 457852

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 258.447 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008569.D

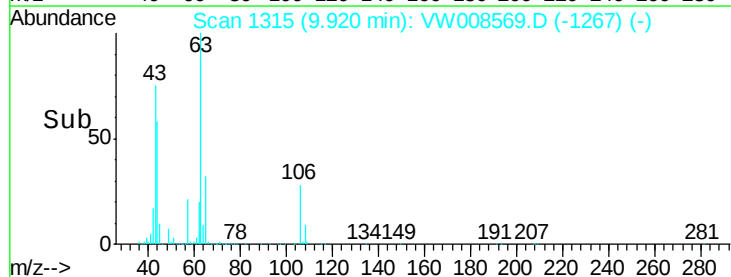
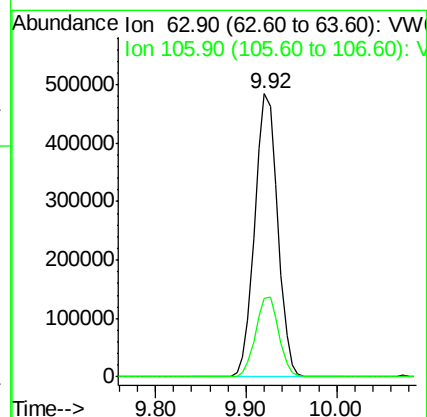
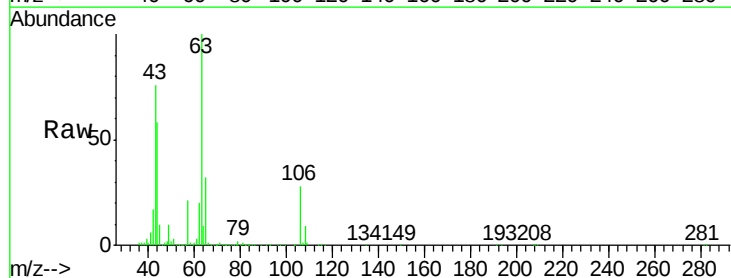
Acq: 08 Feb 2019 12:01

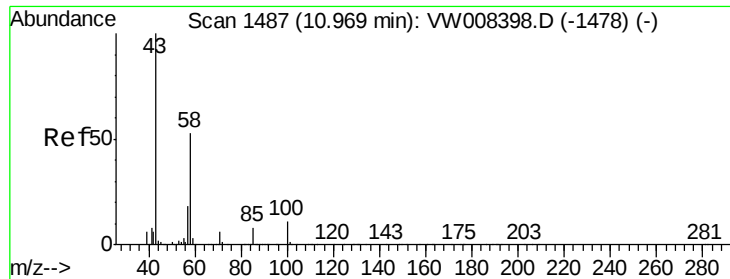
Tgt Ion: 63 Resp: 849396

Ion Ratio Lower Upper

63 100

106 28.5 22.4 33.6

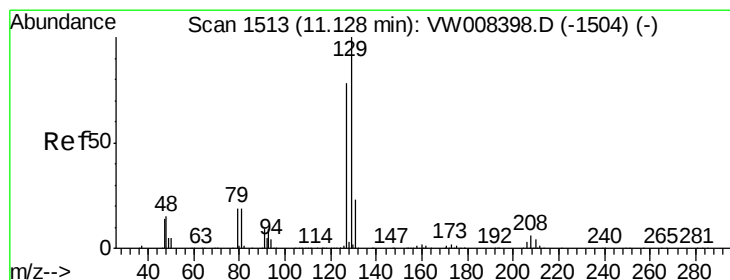
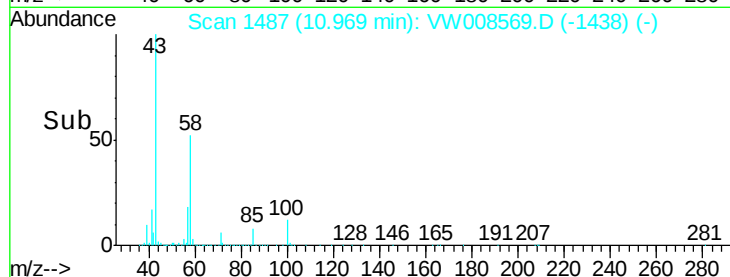
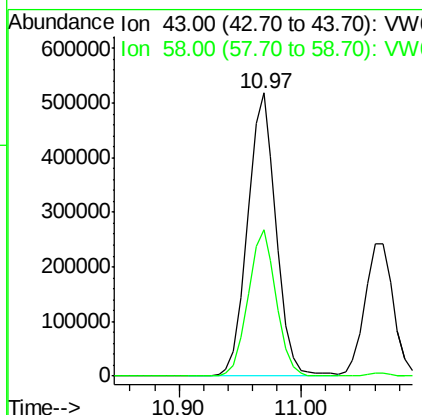
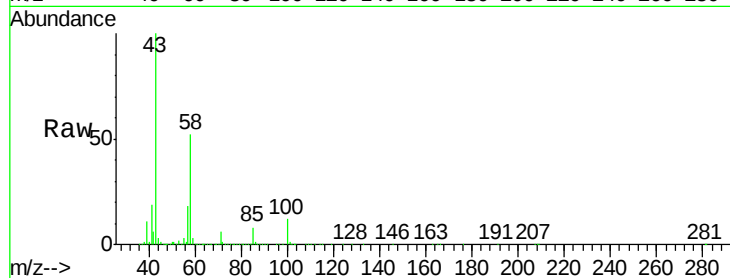




#59
2-Hexanone
Concen: 266.417 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

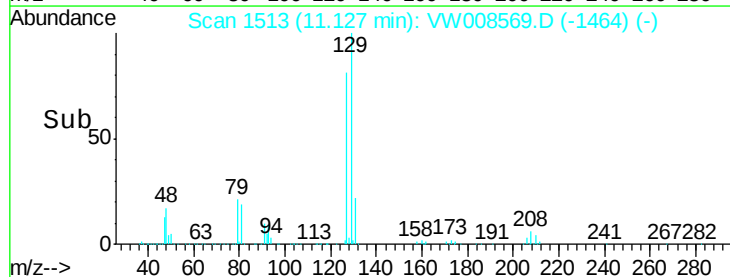
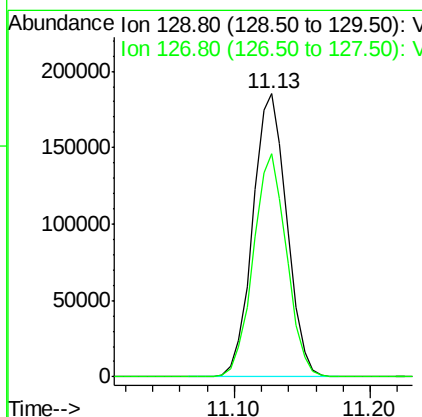
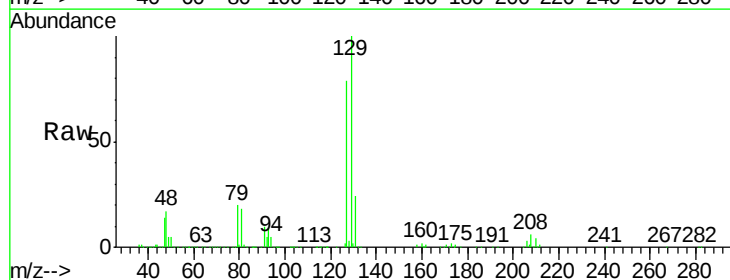
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 835264
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 52.445 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 129 Resp: 325350
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2

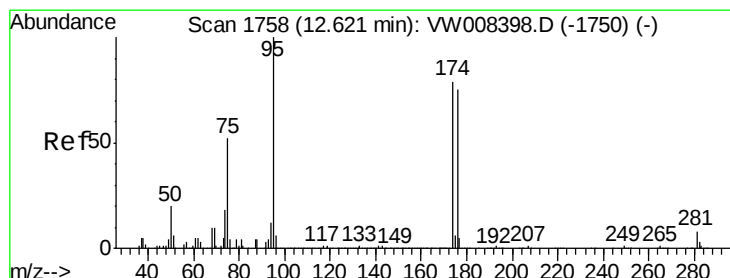
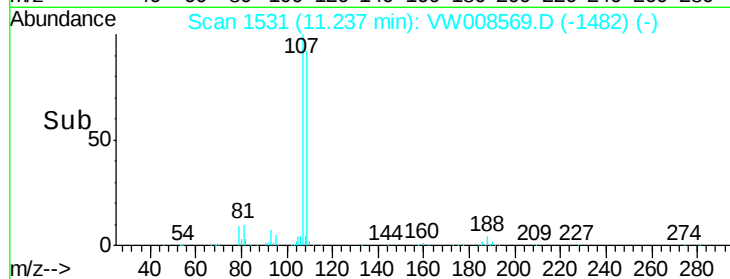
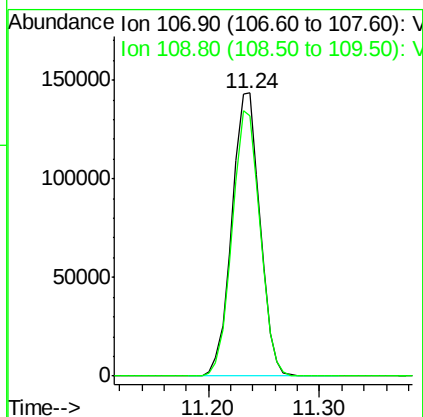
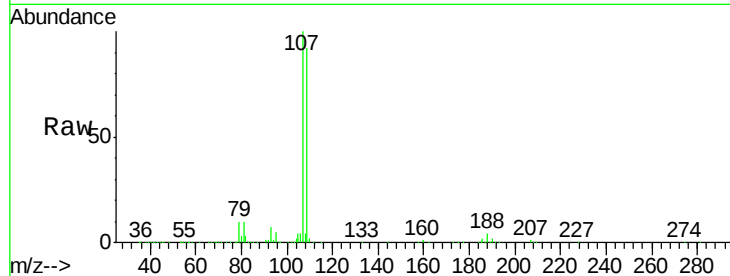




#61
 1,2-Dibromoethane
 Concen: 52.289 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

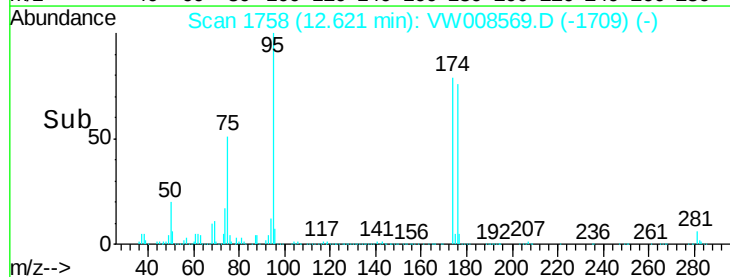
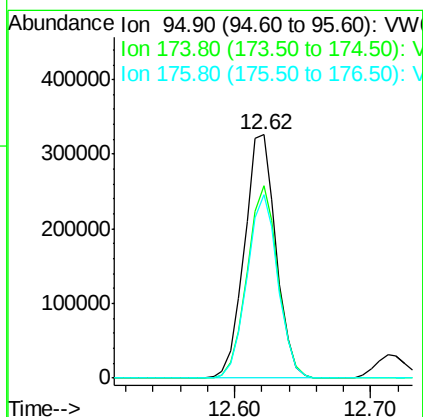
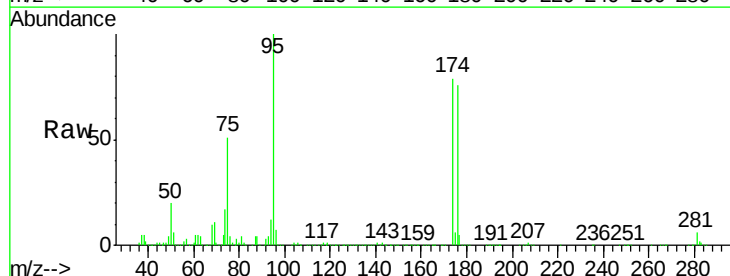
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

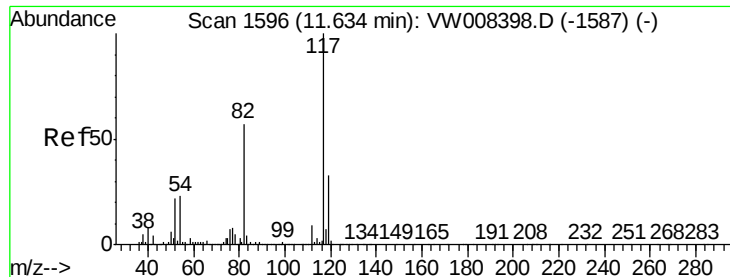
Tot Ion: 107 Resp: 250285
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 56.717 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion: 95 Resp: 529262
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 157.6
 176 74.0 0.0 151.8

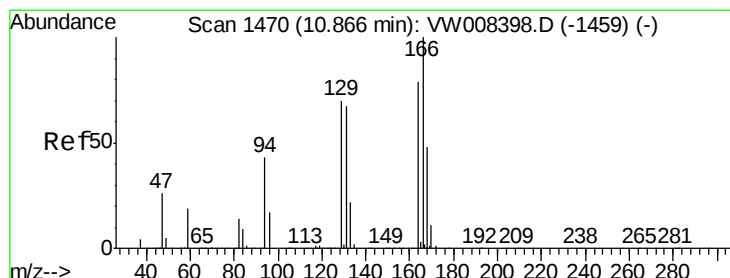
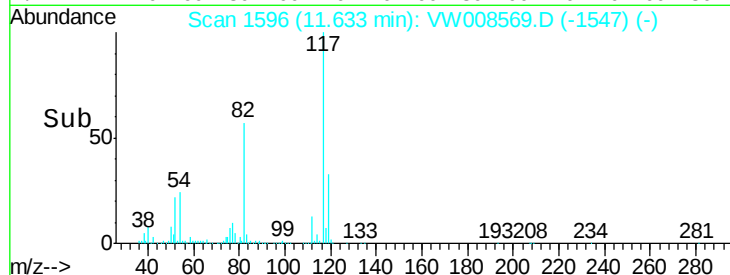
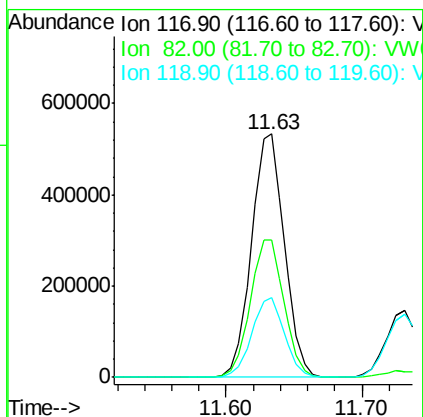
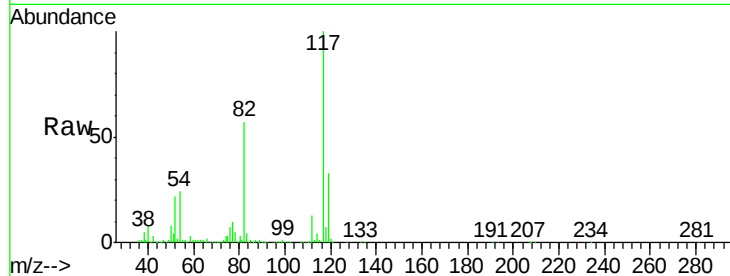




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

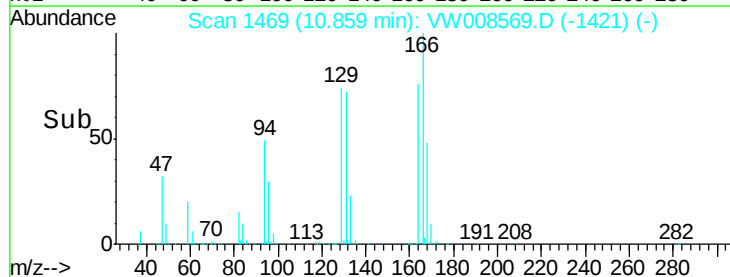
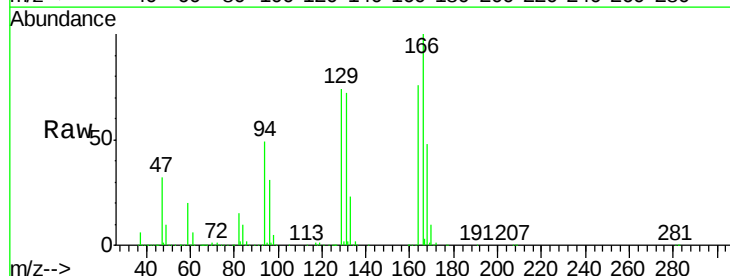
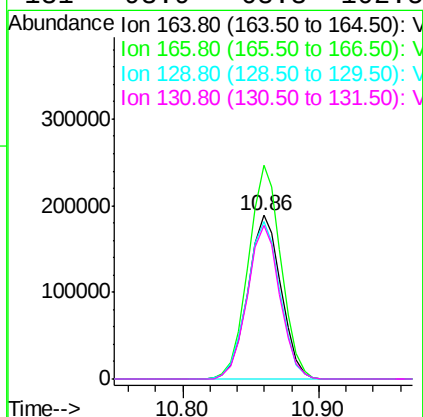
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

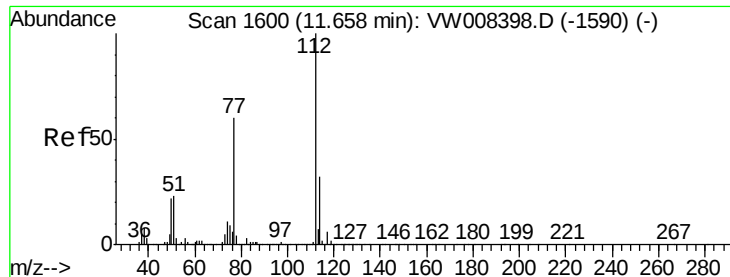
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.0
119	32.8	26.2	39.4



#64
Tetrachloroethene
Concen: 52.508 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.4	152.0
129	96.4	71.0	106.6
131	93.9	68.3	102.5





#65

Chlorobenzene

Concen: 54.897 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

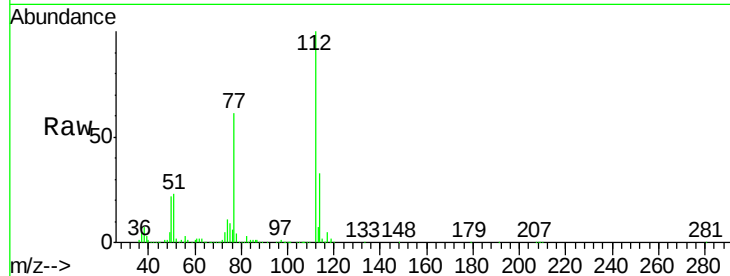
VSTDCCC050

Tot Ion:112 Resp: 1017815

Ion Ratio Lower Upper

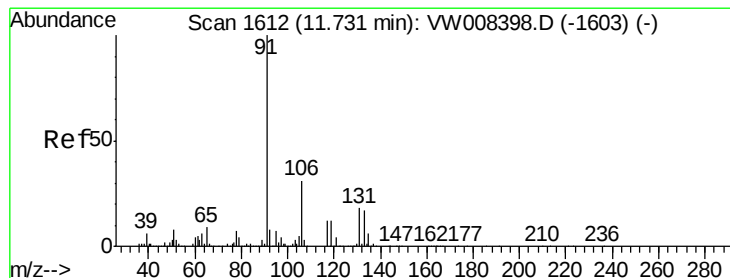
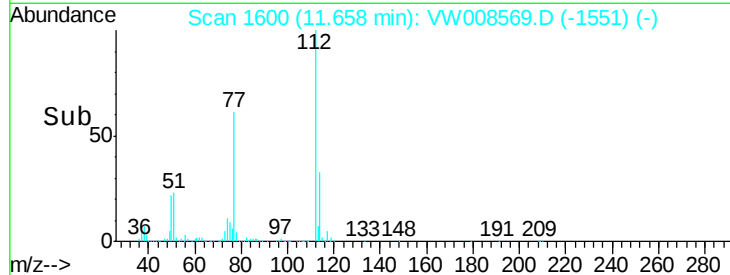
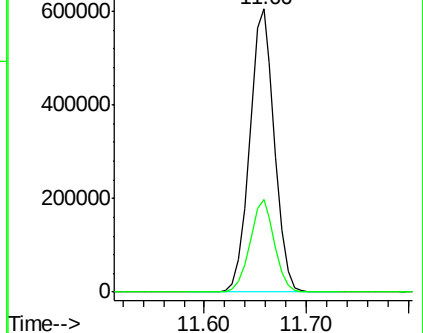
112 100

114 32.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.973 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

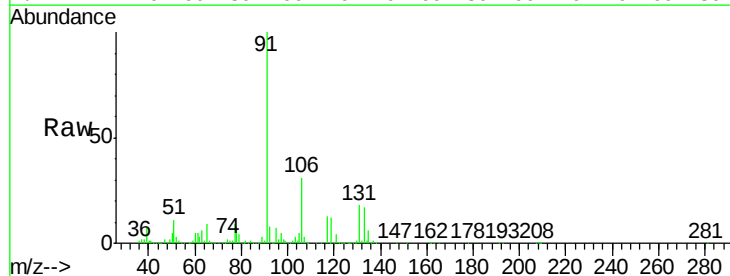
Tgt Ion:131 Resp: 364661

Ion Ratio Lower Upper

131 100

133 96.6 47.0 141.2

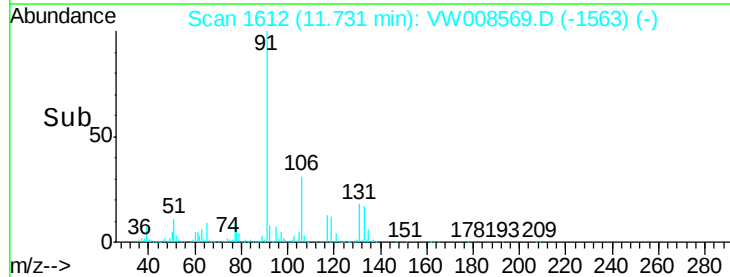
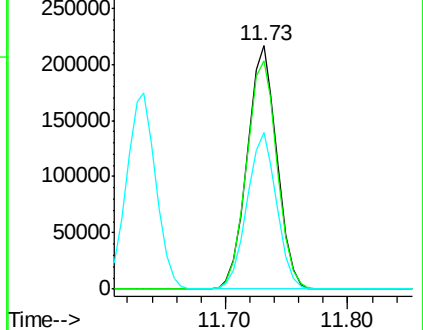
119 64.1 32.1 96.3

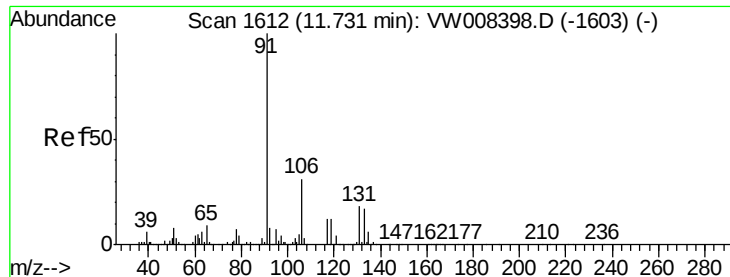


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.992 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

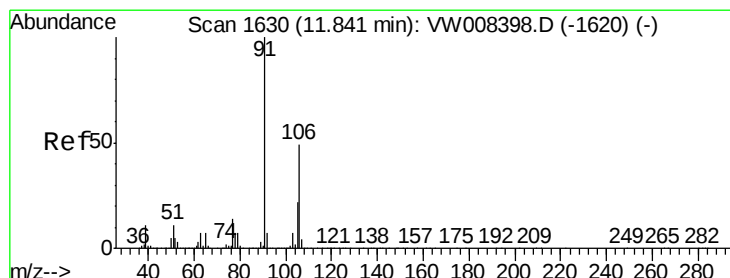
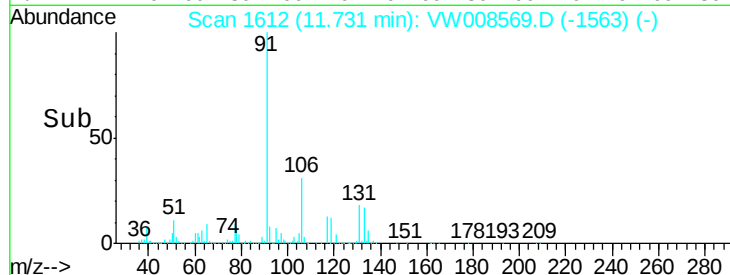
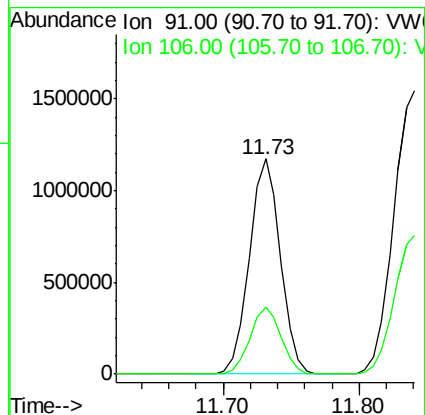
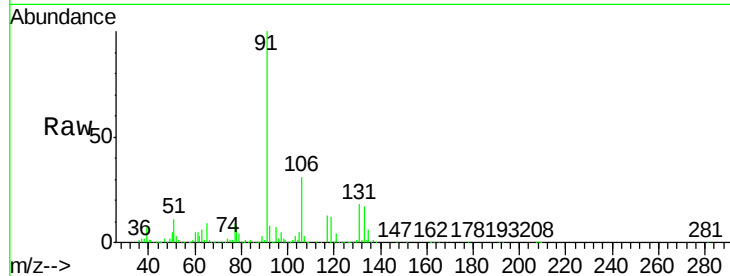
VSTDCCC050

Tot Ion: 91 Resp: 1874149

Ion Ratio Lower Upper

91 100

106 31.2 24.7 37.1



#68

m/p-Xylenes

Concen: 108.731 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008569.D

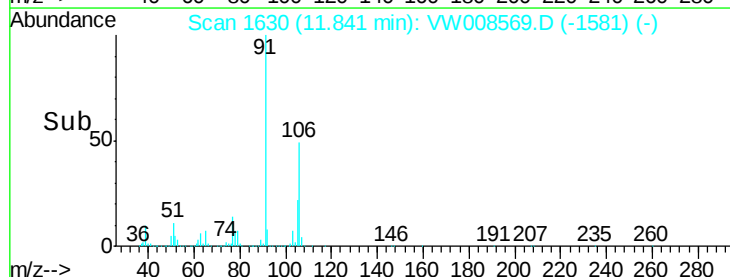
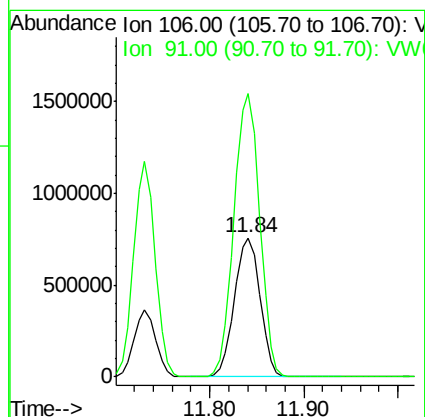
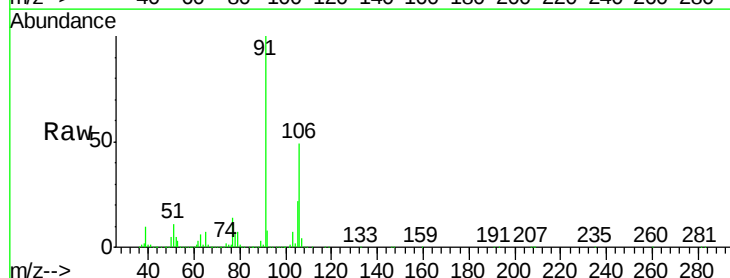
Acq: 08 Feb 2019 12:01

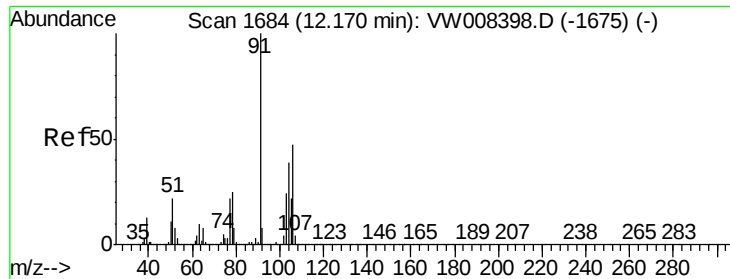
Tgt Ion: 106 Resp: 1437765

Ion Ratio Lower Upper

106 100

91 203.7 162.9 244.3

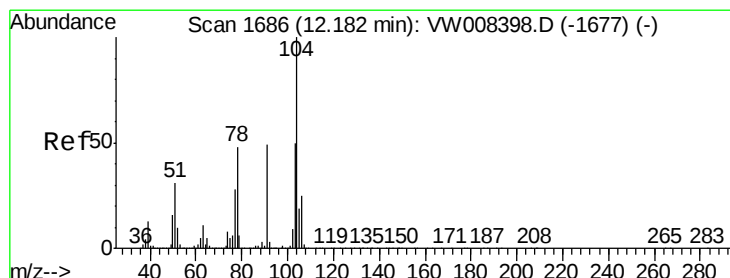
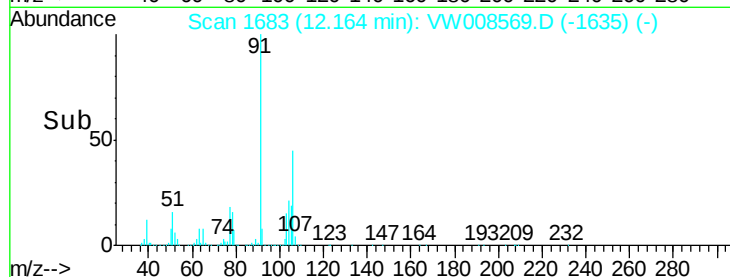
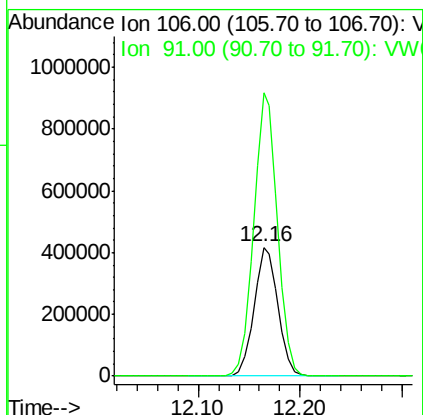
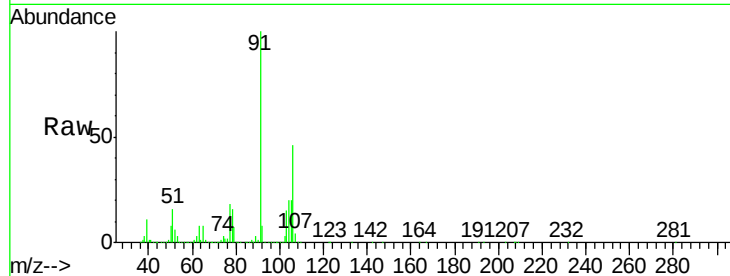




#69
o-Xylene
Concen: 54.149 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

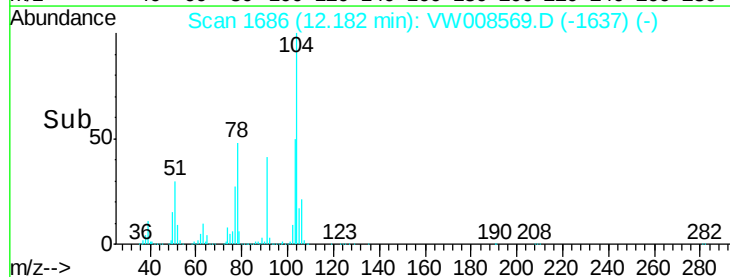
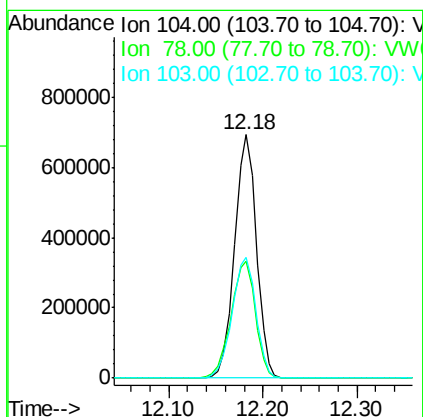
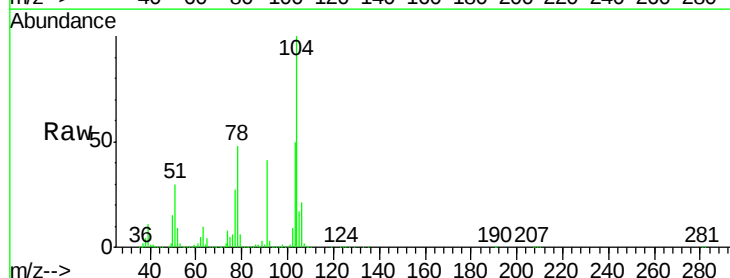
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 680327
Ion Ratio Lower Upper
106 100
91 217.9 107.5 322.4



#70
Styrene
Concen: 53.746 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion:104 Resp: 1115405
Ion Ratio Lower Upper
104 100
78 53.6 42.4 63.6
103 54.3 43.4 65.0





#71

Bromoform

Concen: 52.332 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

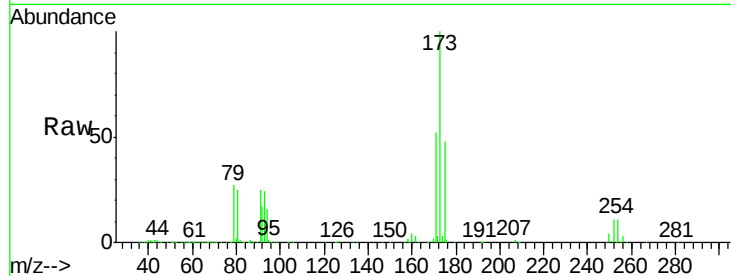
Tot Ion:173 Resp: 195315

Ion Ratio Lower Upper

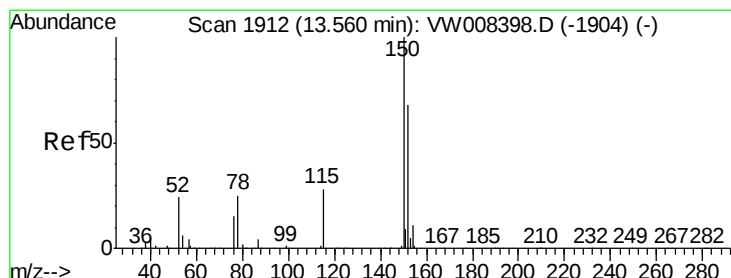
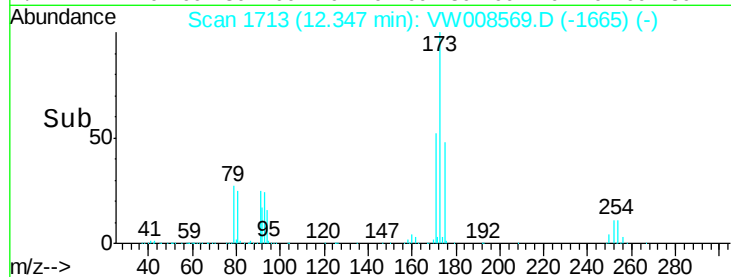
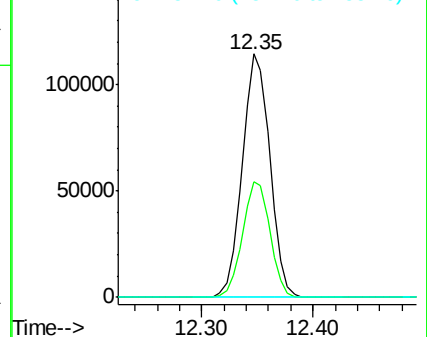
173 100

175 47.4 24.4 73.4

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

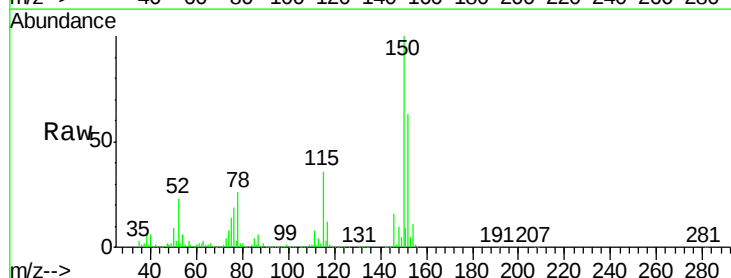
Tgt Ion:152 Resp: 480466

Ion Ratio Lower Upper

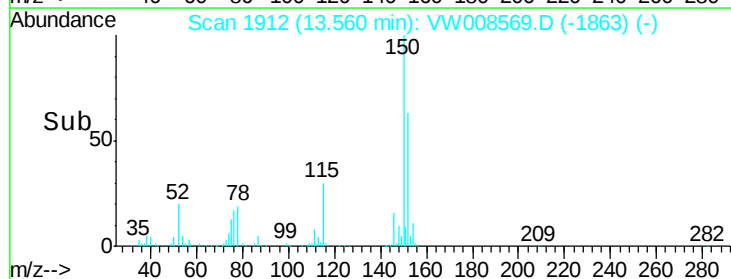
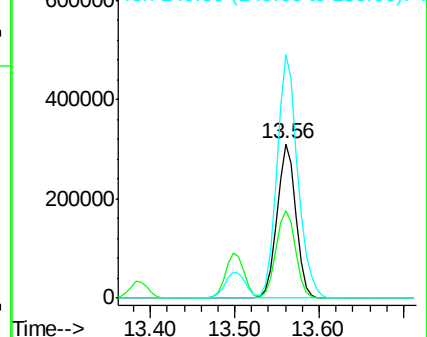
152 100

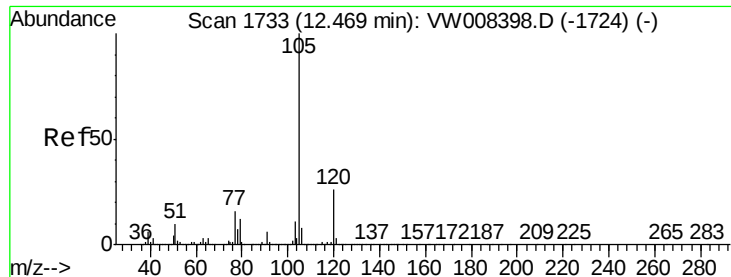
115 58.8 29.9 89.7

150 173.6 0.0 351.4



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





#73

Isopropylbenzene

Concen: 54.138 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

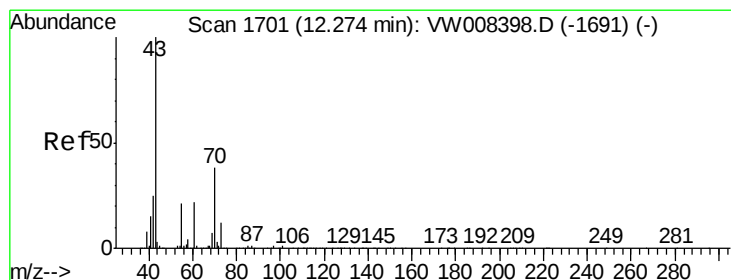
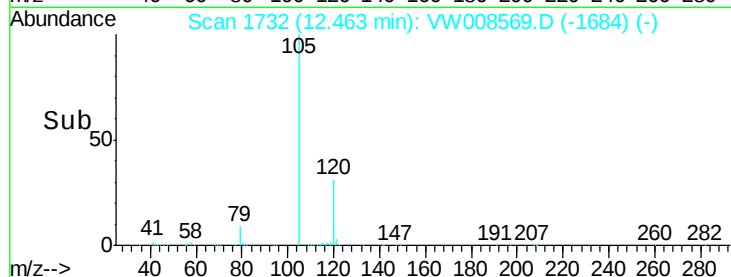
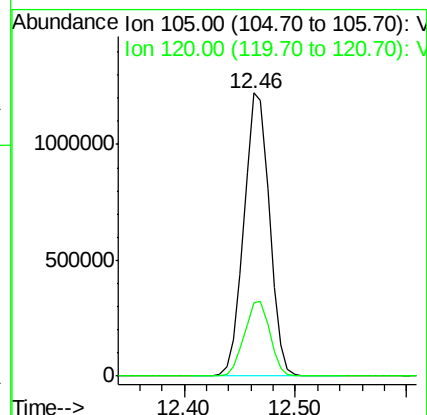
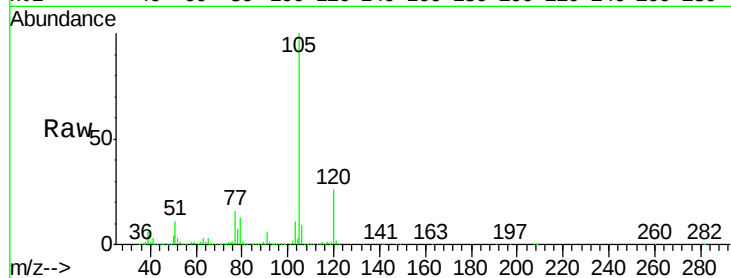
VSTDCCC050

Tot Ion:105 Resp: 1939196

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 49.794 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Tgt Ion: 43 Resp: 459483

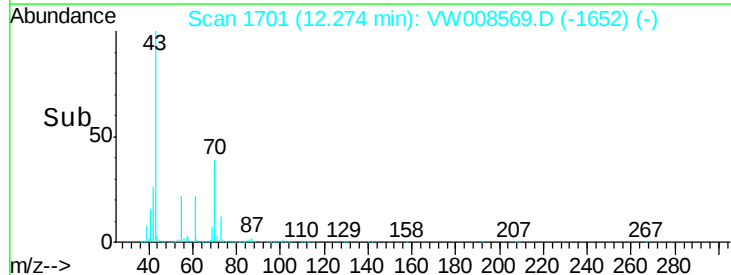
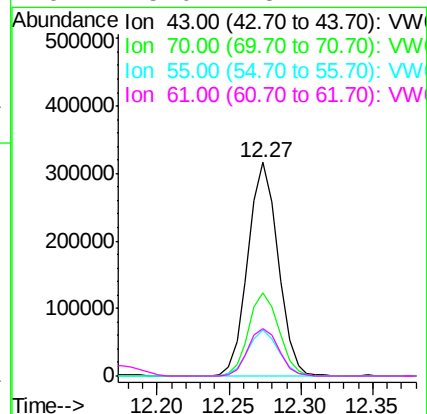
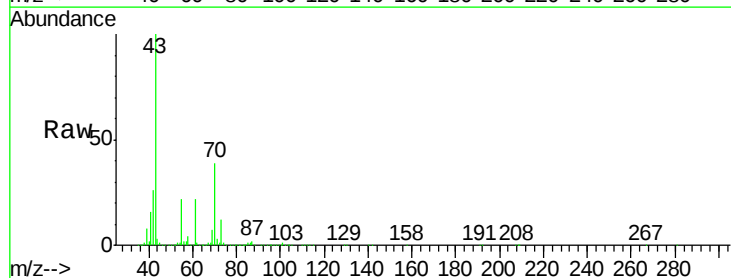
Ion Ratio Lower Upper

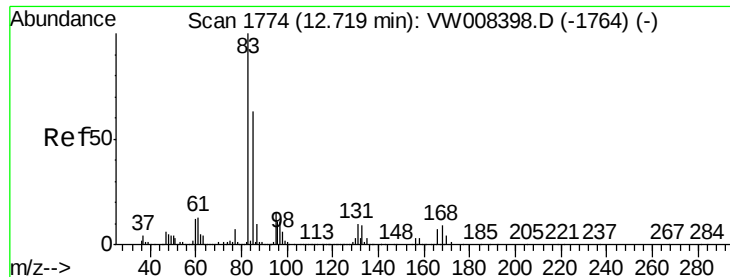
43 100

70 39.3 31.0 46.6

55 21.8 17.4 26.2

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.998 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

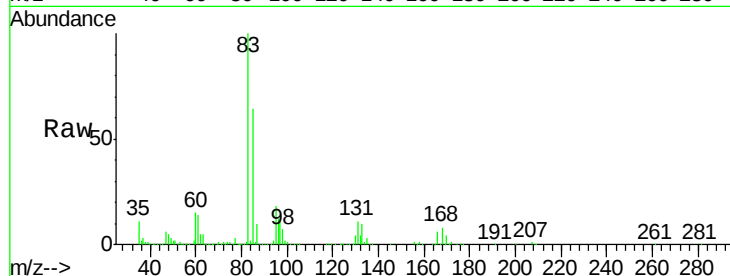
Tot Ion: 83 Resp: 294880

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

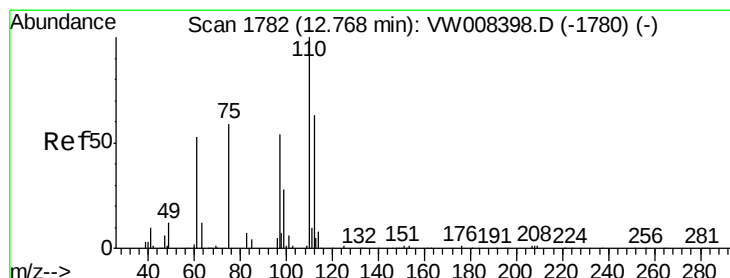
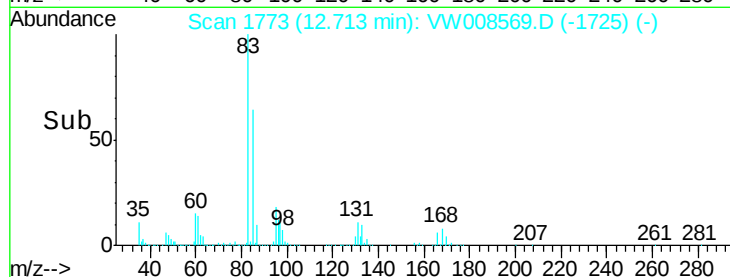
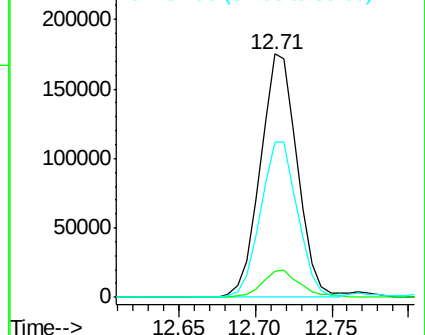
85 64.1 31.9 95.5



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: 51.443 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008569.D

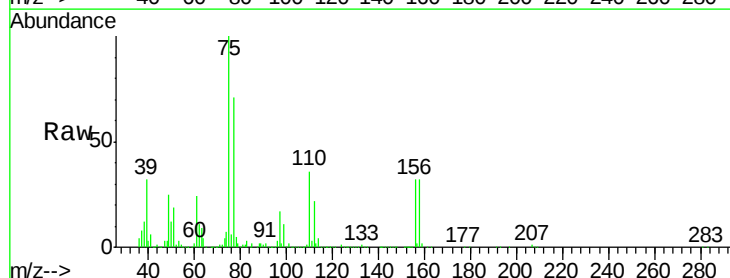
Acq: 08 Feb 2019 12:01

Tgt Ion: 75 Resp: 214895

Ion Ratio Lower Upper

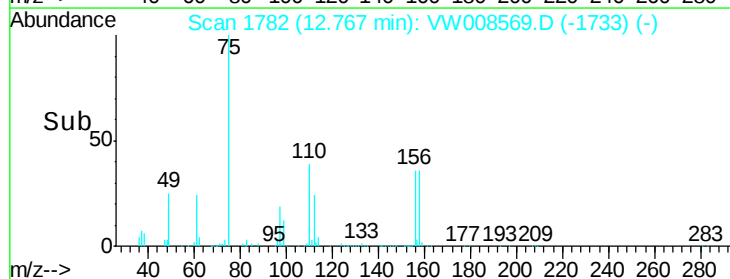
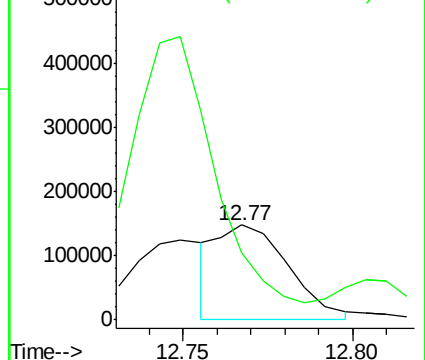
75 100

77 375.0 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.954 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

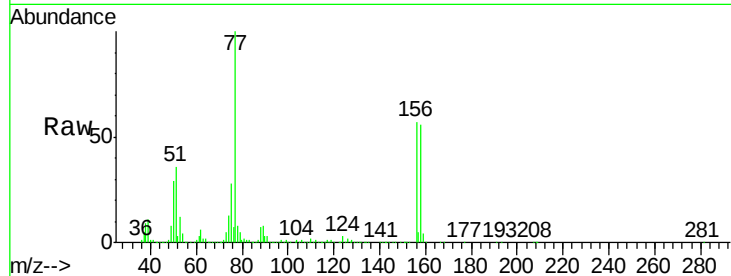
Tot Ion:156 Resp: 414245

Ion Ratio Lower Upper

156 100

77 194.5 96.9 290.7

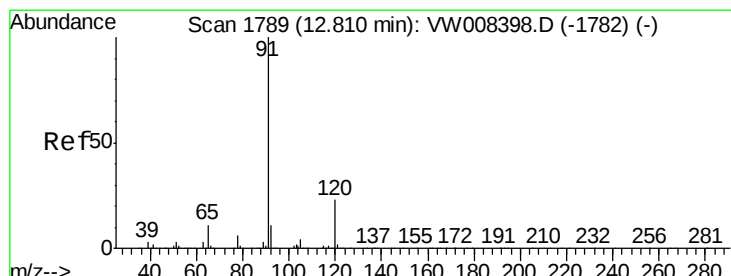
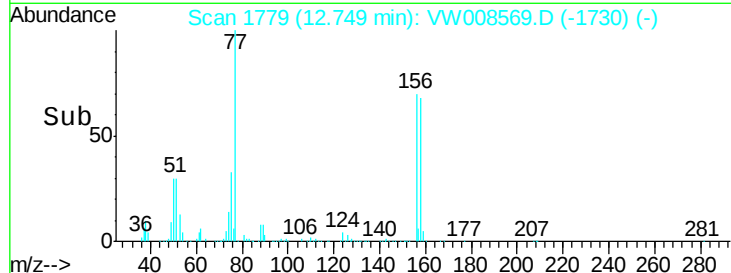
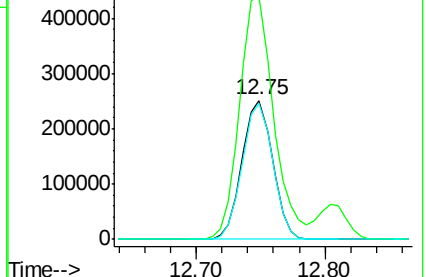
158 97.5 48.8 146.4



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: 54.364 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008569.D

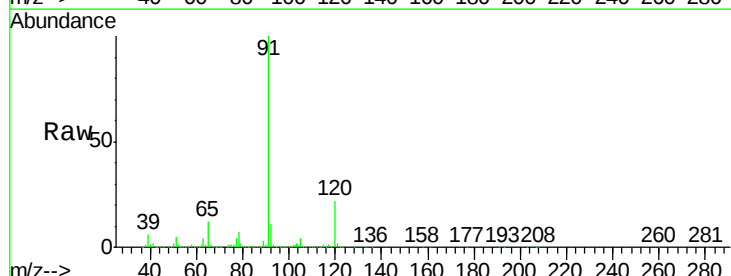
Acq: 08 Feb 2019 12:01

Tgt Ion: 91 Resp: 2338817

Ion Ratio Lower Upper

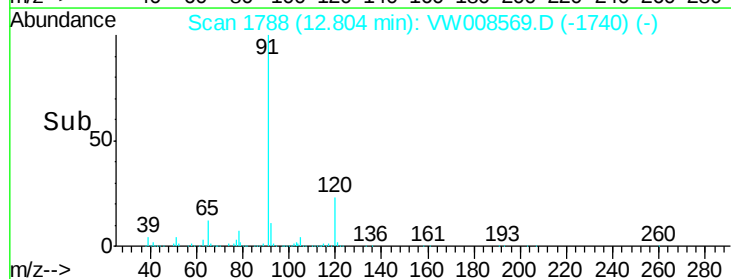
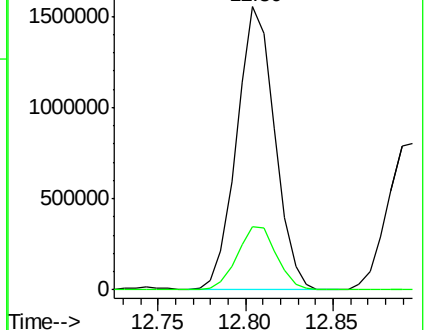
91 100

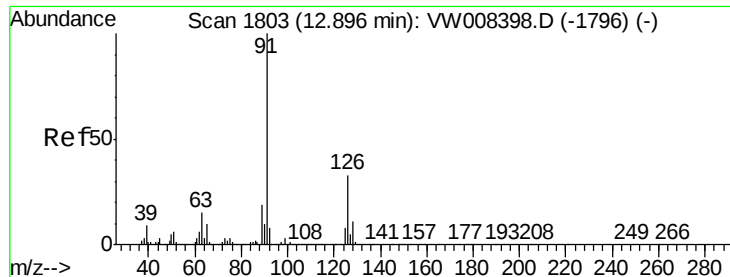
120 23.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

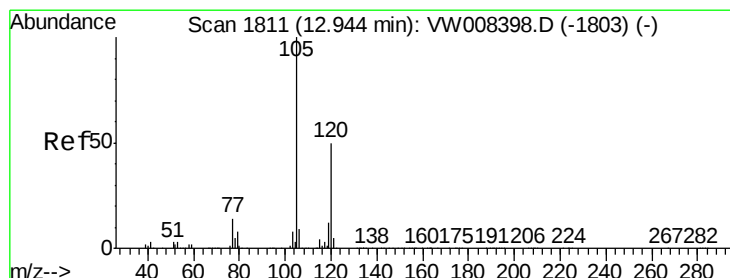
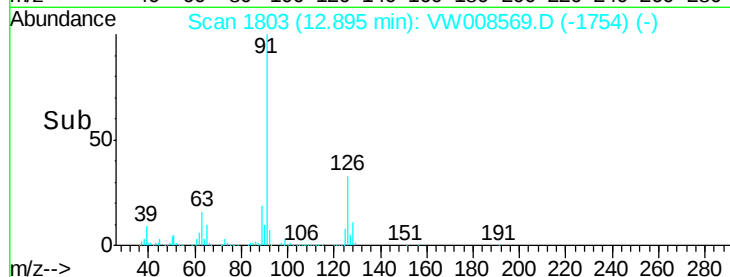
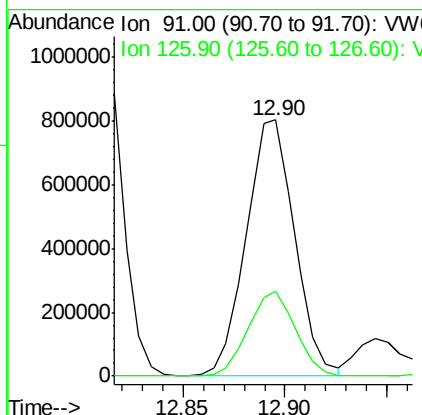
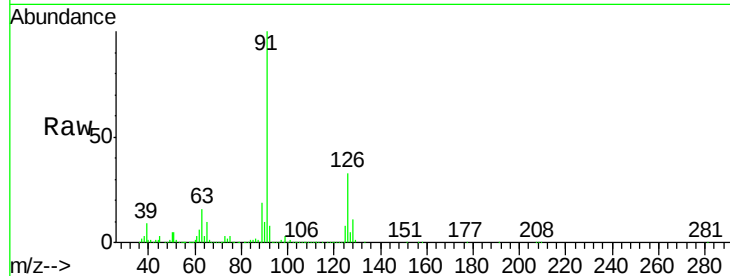




#79
2-Chlorotoluene
Concen: 54.714 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

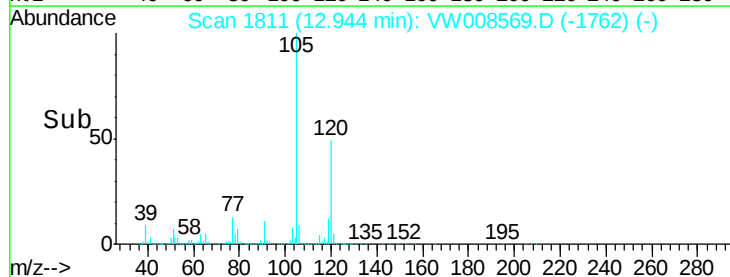
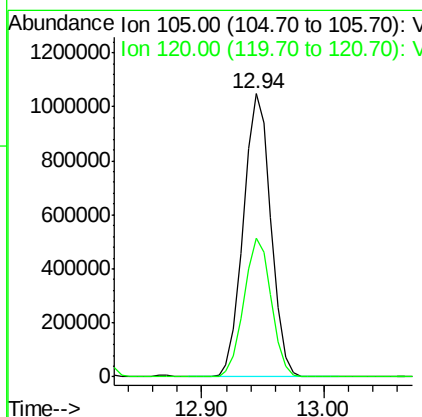
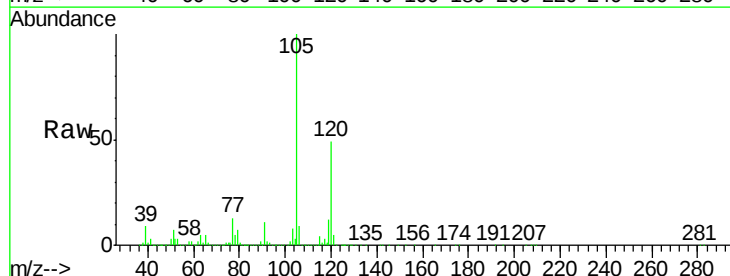
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

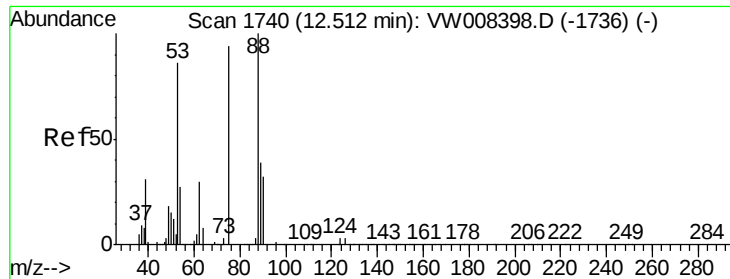
Tot Ion: 91 Resp: 1328298
Ion Ratio Lower Upper
91 100
126 32.4 16.5 49.5



#80
1,3,5-Trimethylbenzene
Concen: 54.468 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 105 Resp: 1630742
Ion Ratio Lower Upper
105 100
120 48.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.085 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

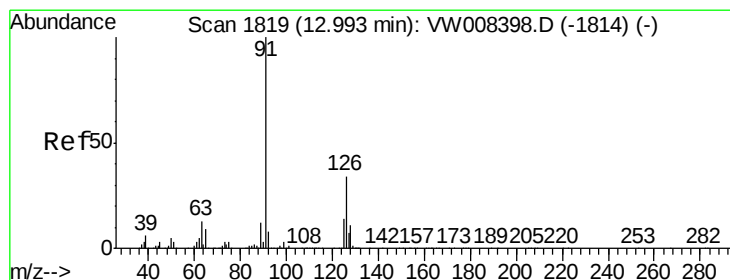
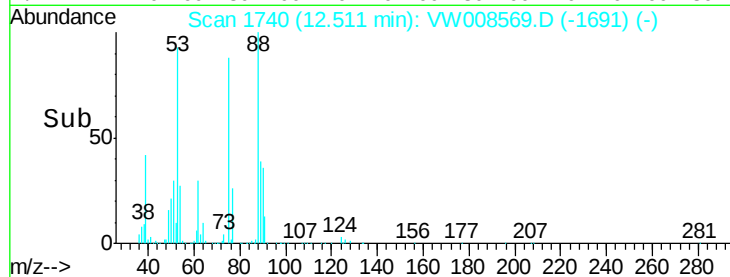
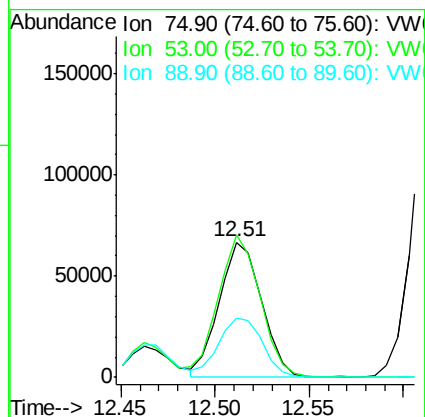
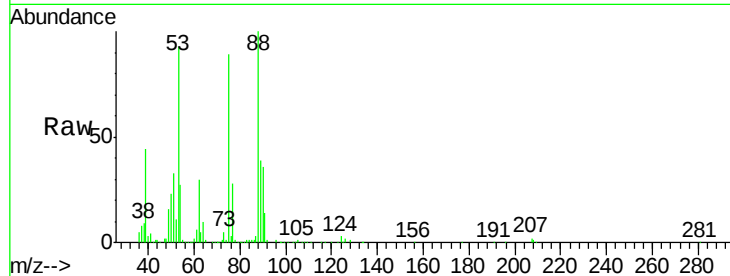
Tot Ion: 75 Resp: 103816

Ion Ratio Lower Upper

75 100

53 104.8 76.0 114.0

89 46.2 35.4 53.0



#82

4-Chlorotoluene

Concen: 53.528 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008569.D

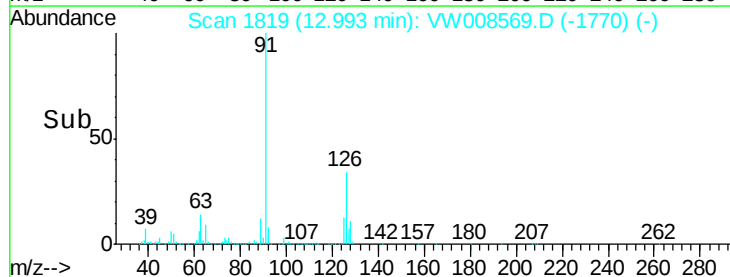
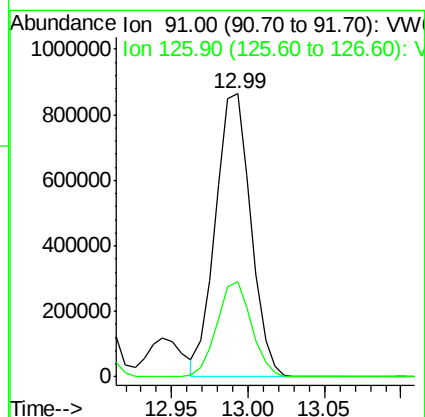
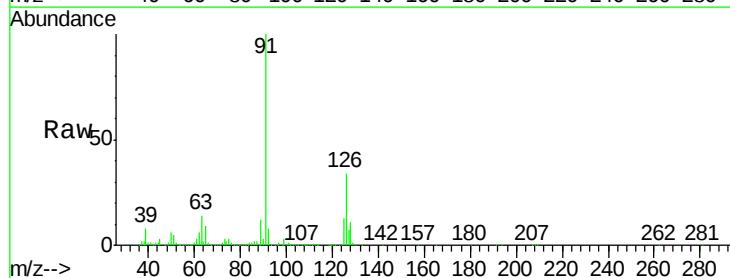
Acq: 08 Feb 2019 12:01

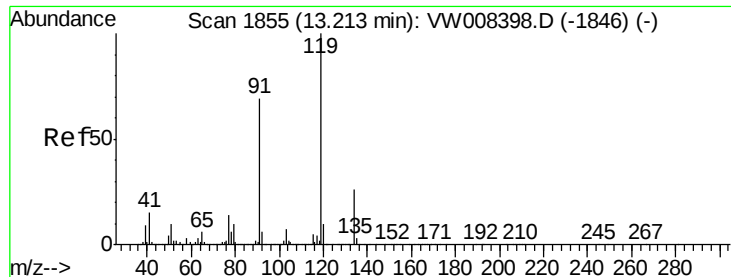
Tgt Ion: 91 Resp: 1383561

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.2





#83

tert-Butylbenzene

Concen: 53.712 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

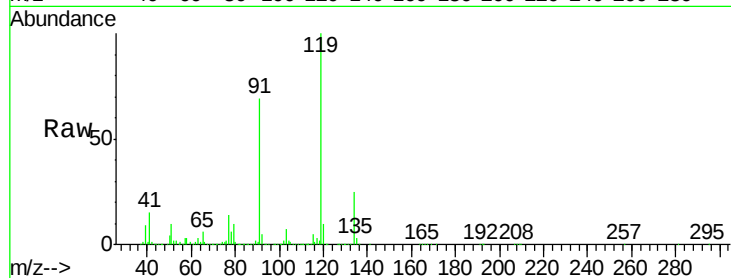
Tot Ion:119 Resp: 1431007

Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.8	101.4
134	27.4	13.5	40.4

119 100

91 69.3 33.8 101.4

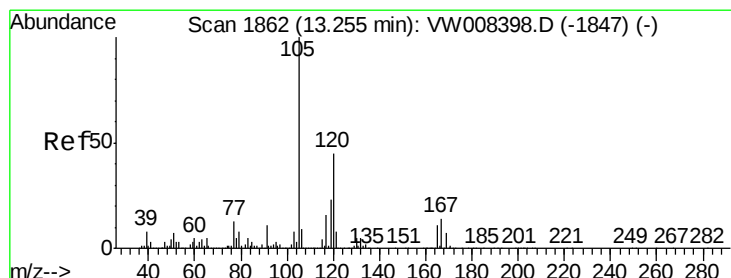
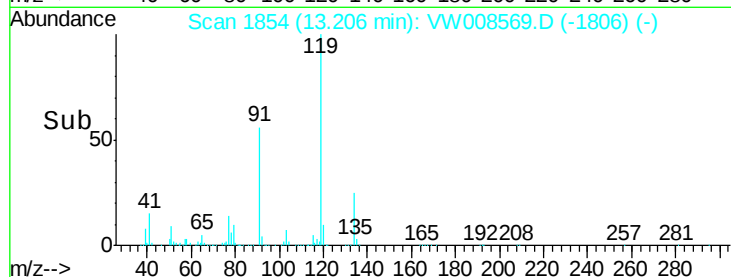
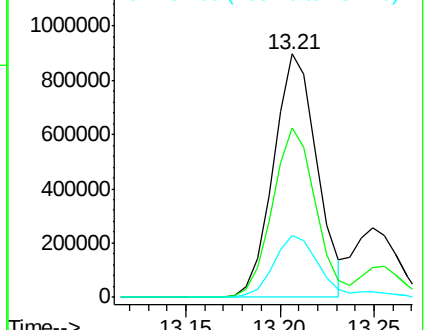
134 27.4 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.398 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008569.D

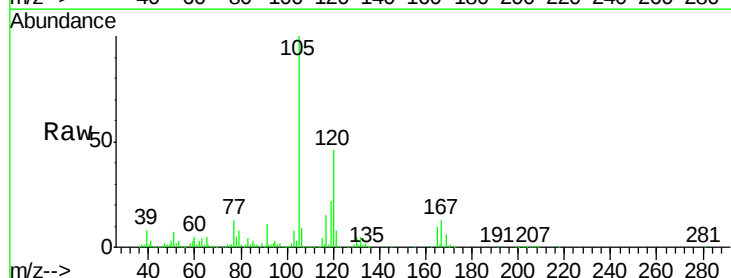
Acq: 08 Feb 2019 12:01

Tgt Ion:105 Resp: 1655380

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2

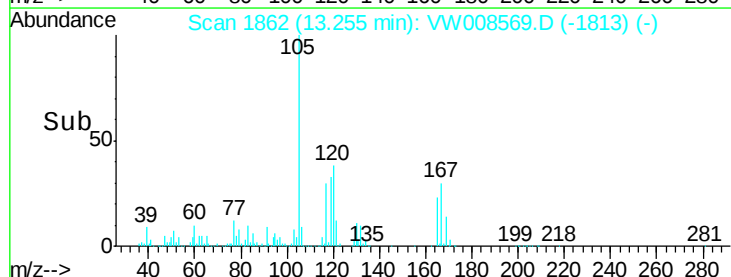
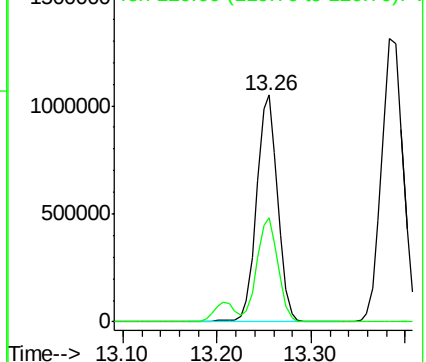
105 100

120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

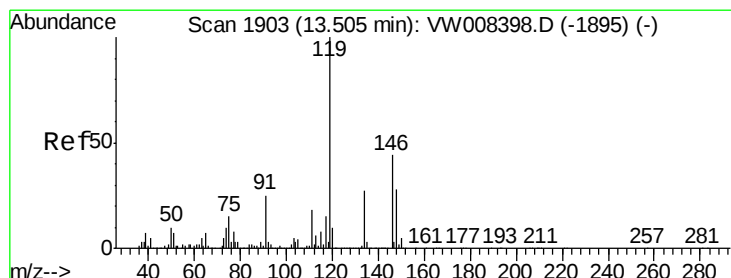
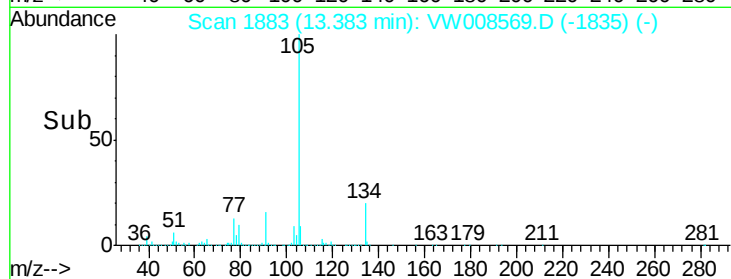
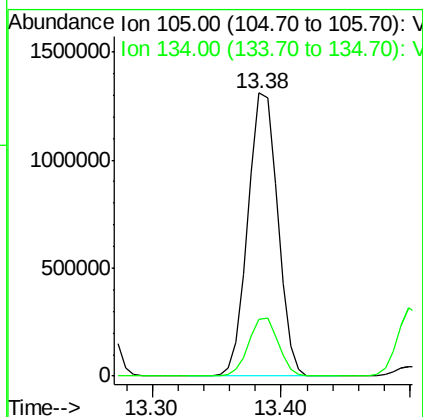
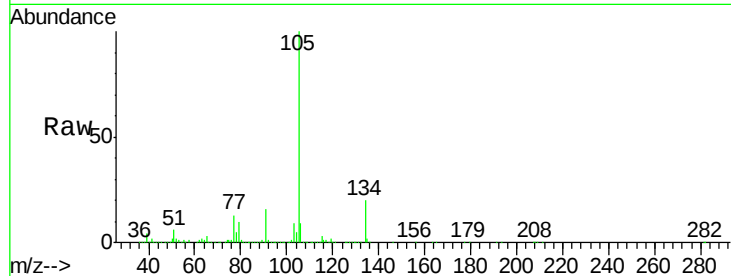




#85
 sec-Butylbenzene
 Concen: 54.807 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

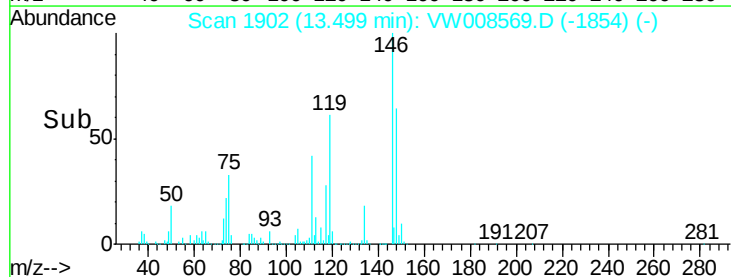
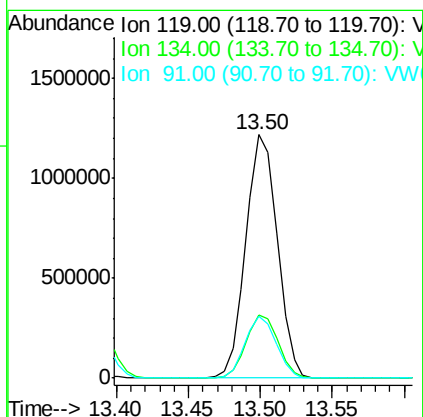
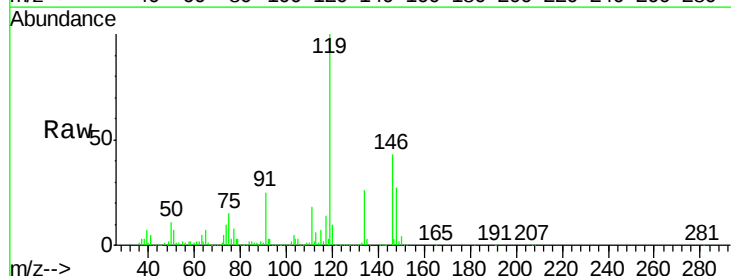
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2085363
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 55.193 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion:119 Resp: 1839529
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.2
 91 24.9 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 54.309 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

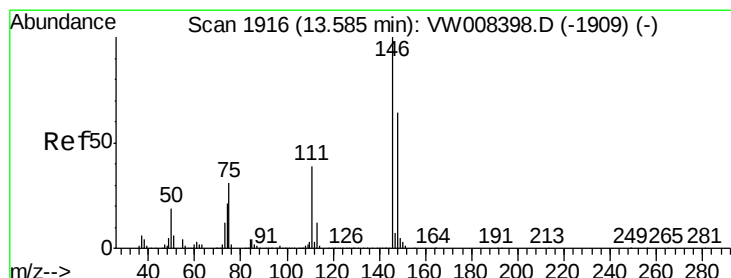
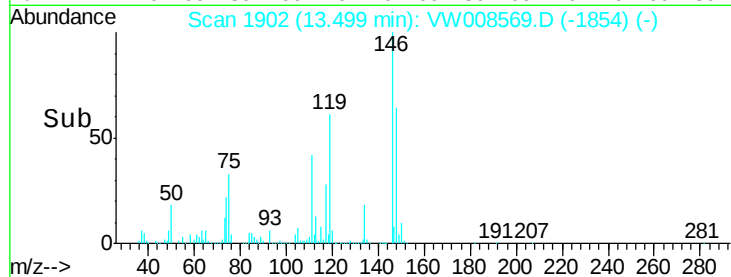
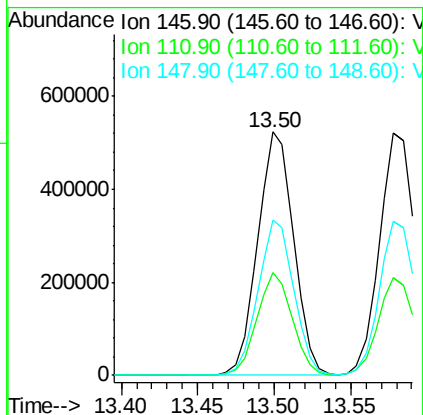
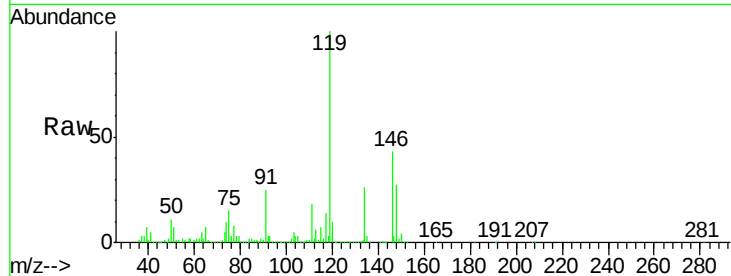
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	857997
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	63.2	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 53.562 ug/l

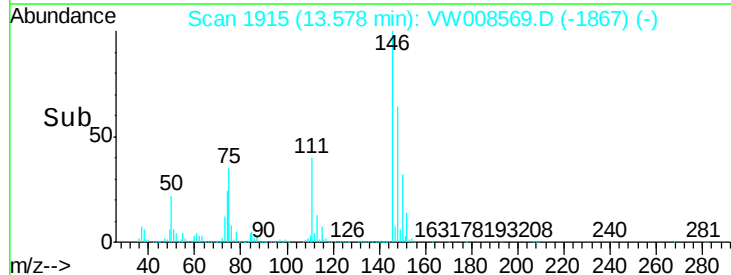
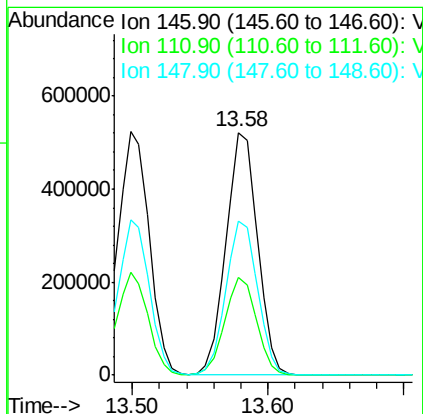
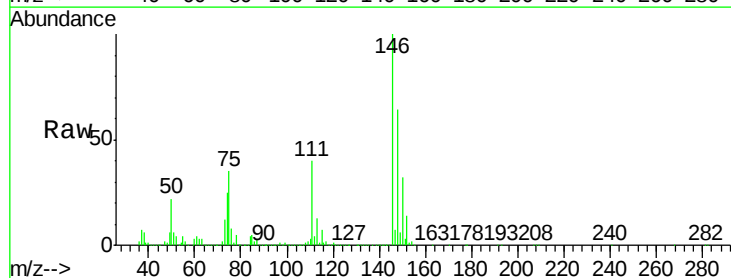
RT: 13.58 min Scan# 1915

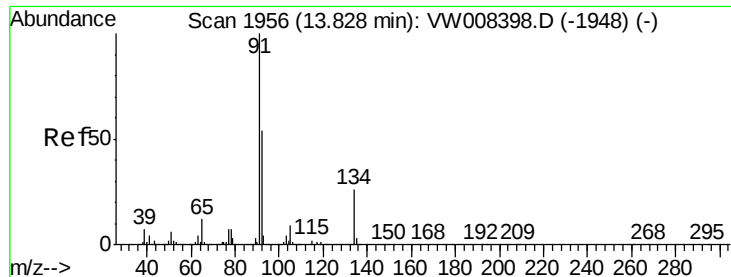
Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Tgt Ion:	146	Resp:	840962
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.0	32.0	96.2

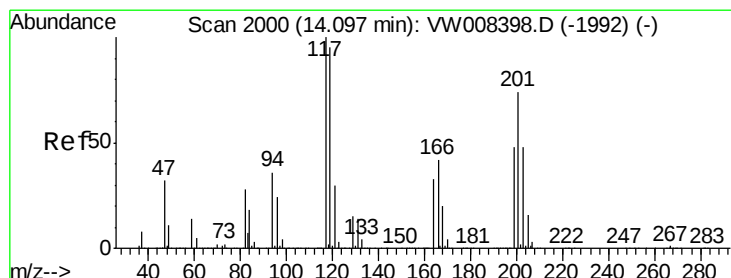
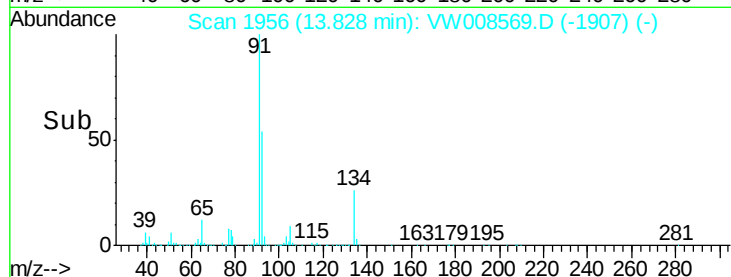
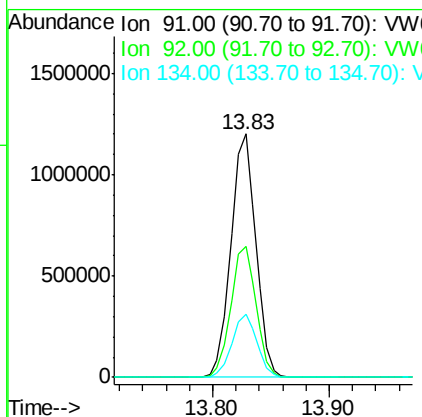
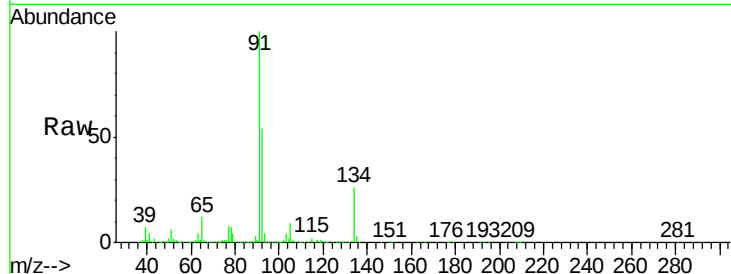




#89
n-Butylbenzene
Concen: 54.628 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

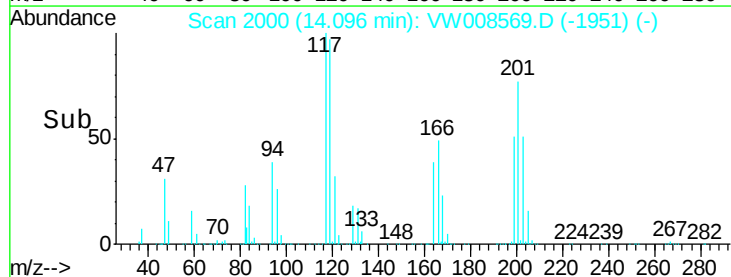
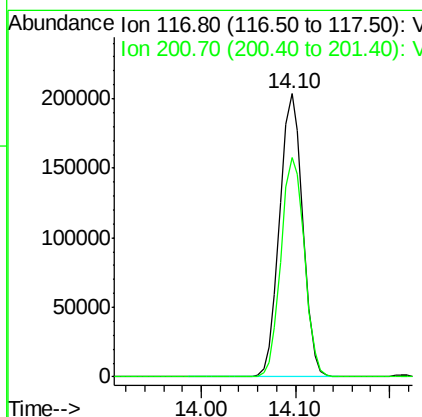
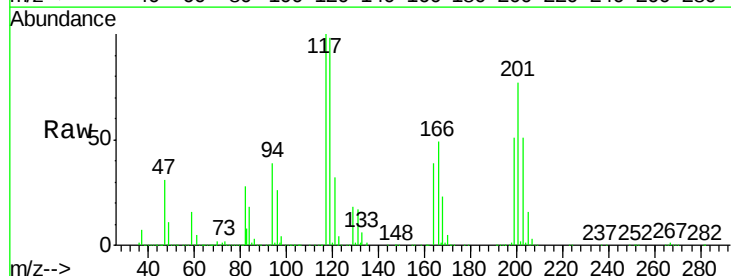
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

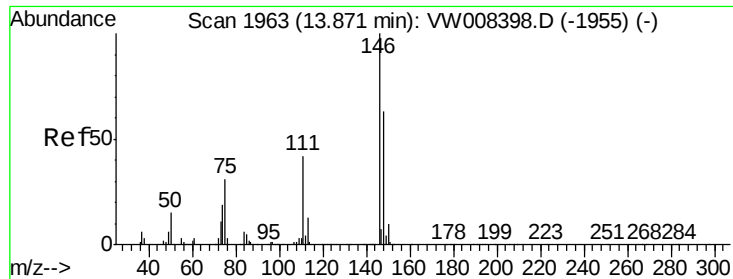
Tot Ion: 91 Resp: 1787646
Ion Ratio Lower Upper
91 100
92 54.4 27.4 82.2
134 26.1 13.0 39.0



#90
Hexachloroethane
Concen: 53.177 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion: 117 Resp: 346598
Ion Ratio Lower Upper
117 100
201 78.3 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 53.870 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

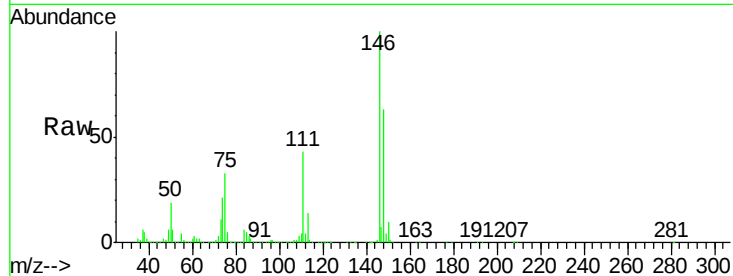
Tot Ion:146 Resp: 753043

Ion Ratio Lower Upper

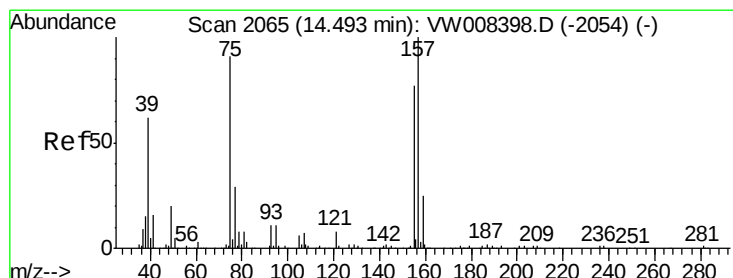
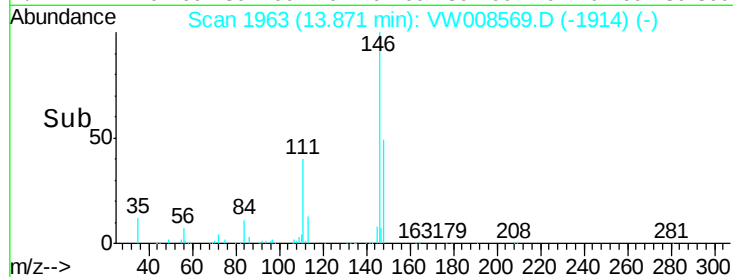
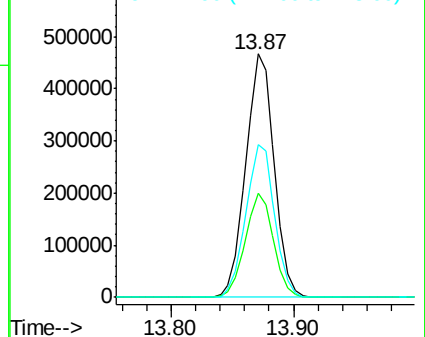
146 100

111 42.3 21.1 63.3

148 63.3 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.819 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

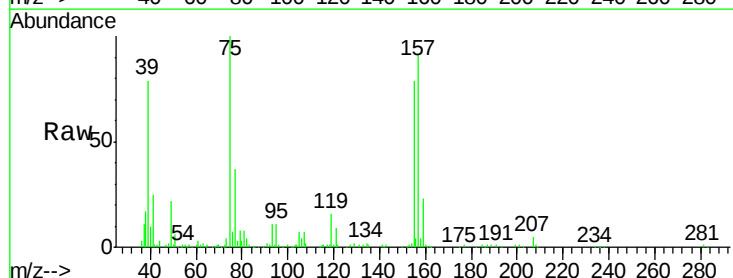
Tgt Ion: 75 Resp: 55757

Ion Ratio Lower Upper

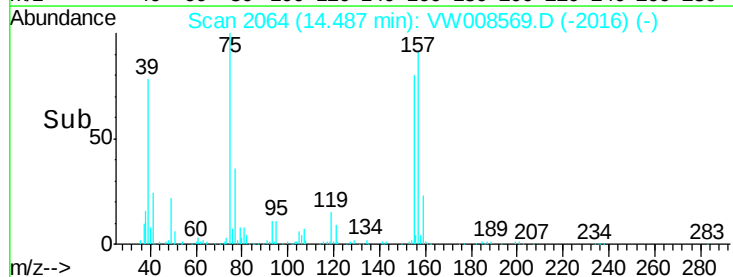
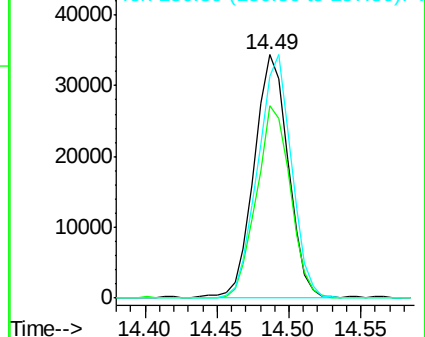
75 100

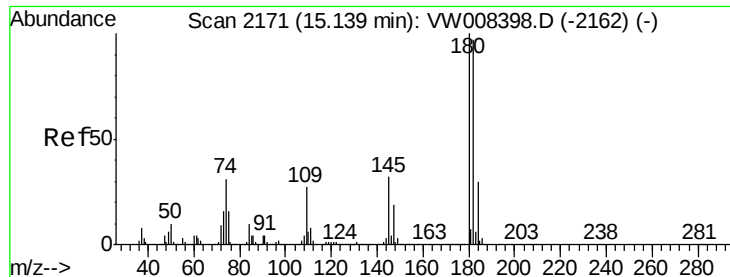
155 79.1 42.7 128.1

157 99.6 55.5 166.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

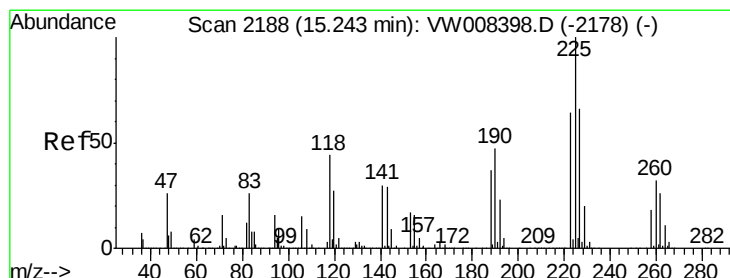
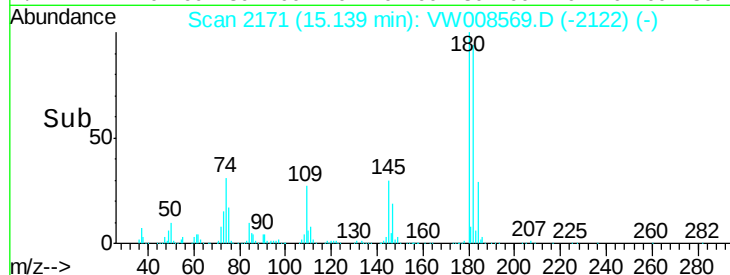
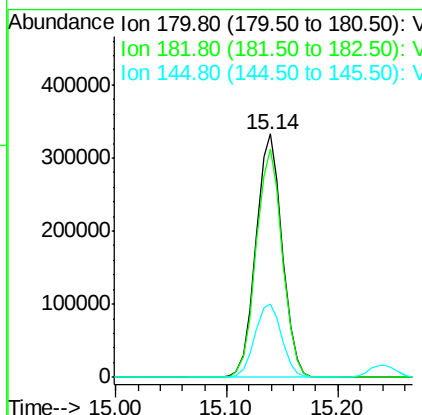
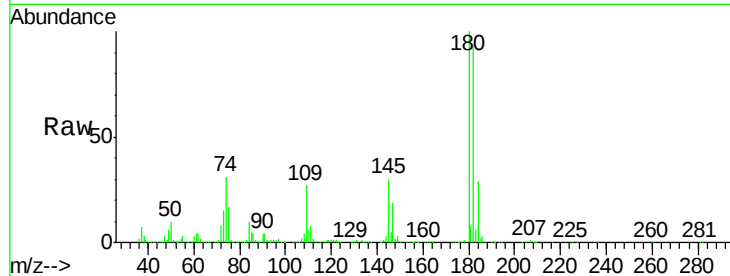




#93
 1,2,4-Trichlorobenzene
 Concen: 54.637 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

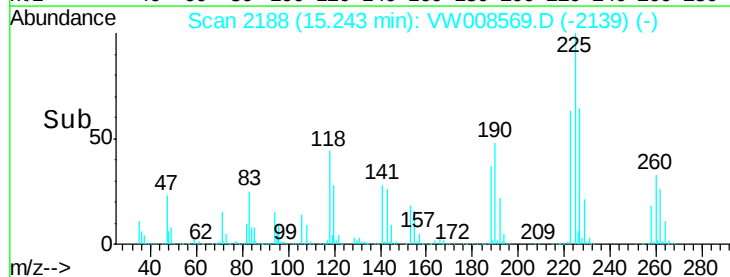
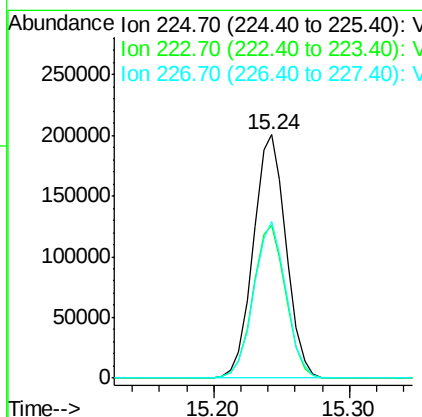
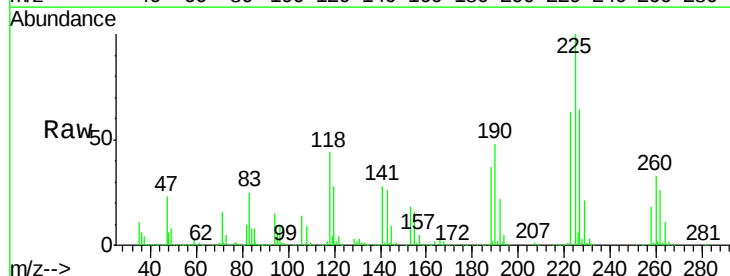
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

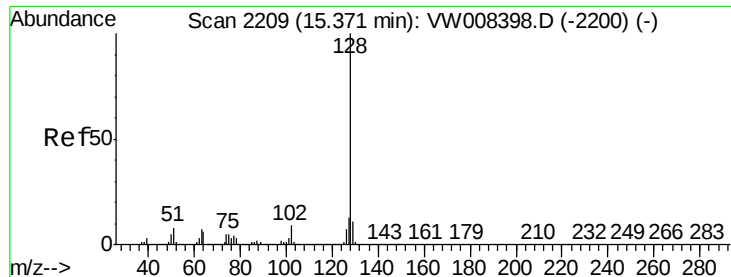
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	31.1	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 56.106 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	63.3	32.1	96.3

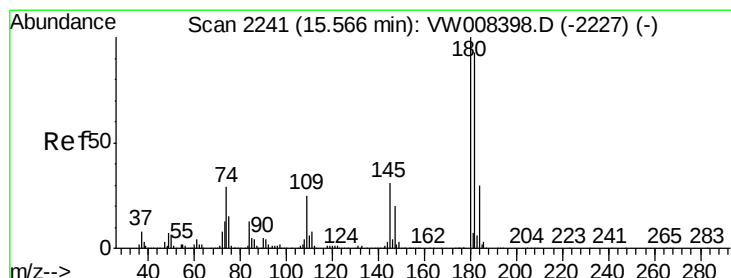
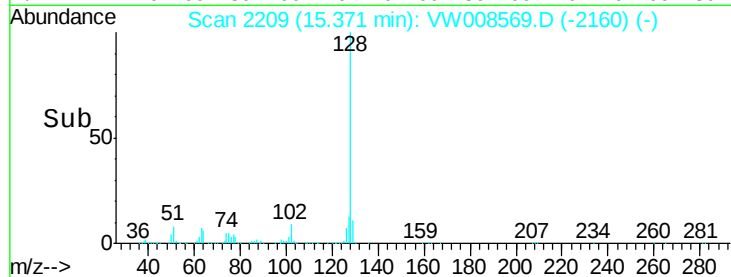
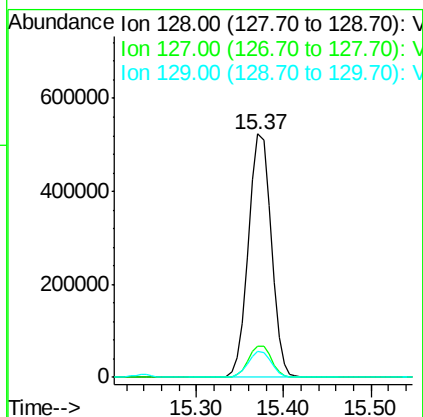
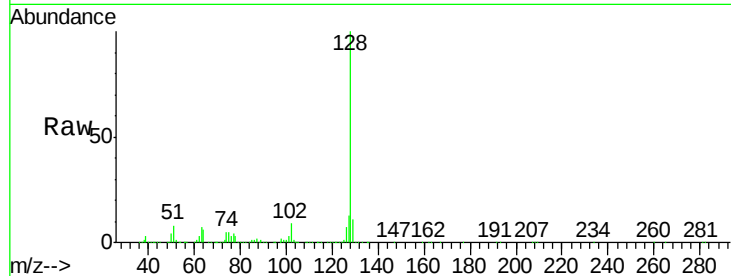




#95
Naphthalene
Concen: 54.221 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 949711
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.145 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Tgt Ion:180 Resp: 449711
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.2
145 33.3 15.9 47.6

