

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008569.D
 Acq On : 08 Feb 2019 12:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 09 00:24:33 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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 Response via : Initial Calibration

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	422783	101.209	ug/l	23
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

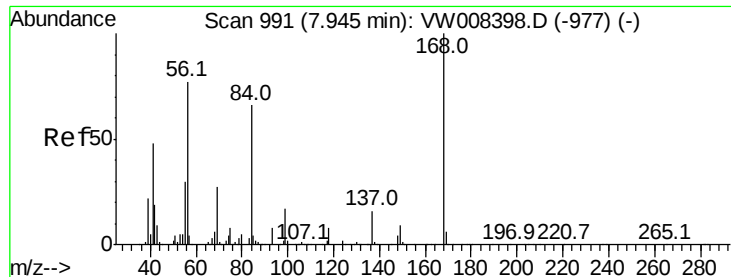
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	545034	54.637	ug/l	99
94) Hexachlorobutadiene	15.24	225	337301	56.106	ug/l	99
95) Naphthalene	15.37	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 :

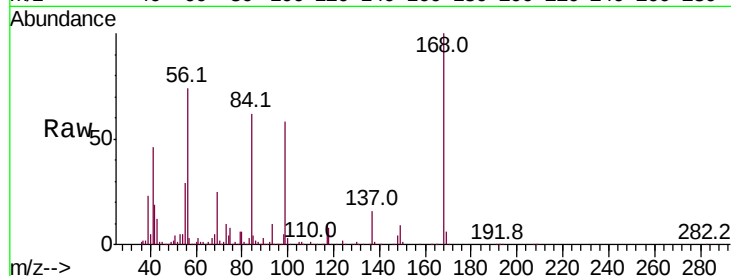
VSTDCCC050

Tot Ion:168 Resp: 660716

Ion Ratio Lower Upper

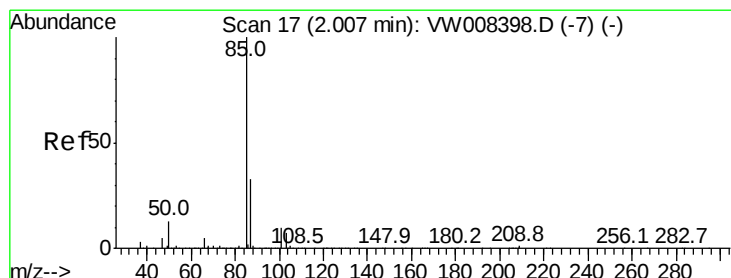
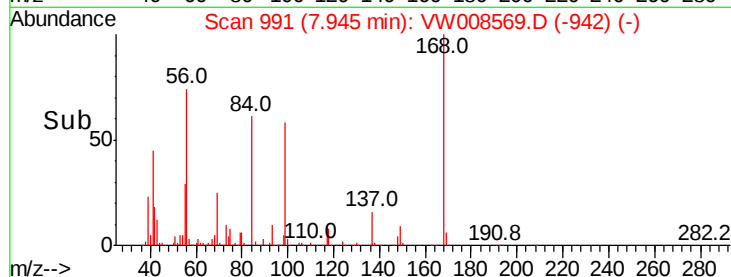
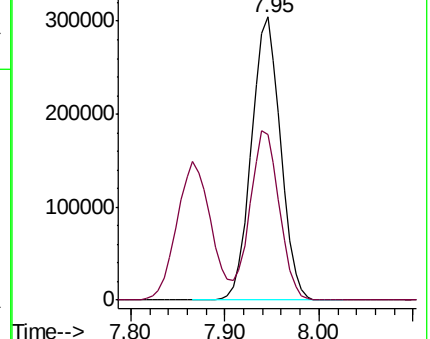
168 100

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



#2

Dichlorodifluoromethane

Concen: 49.126 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008569.D

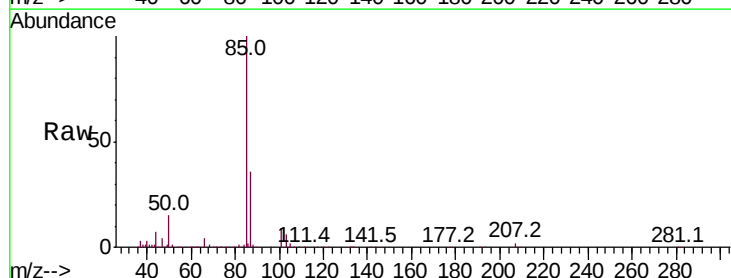
Acq: 08 Feb 2019 12:01

Tgt Ion: 85 Resp: 187342

Ion Ratio Lower Upper

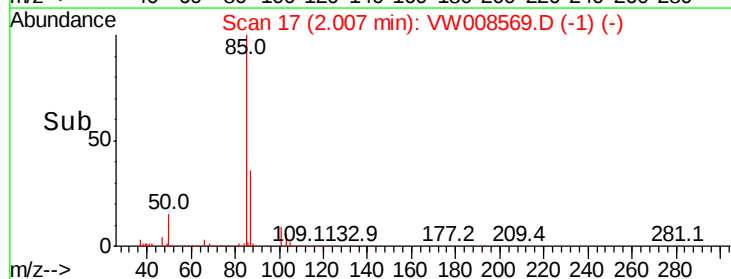
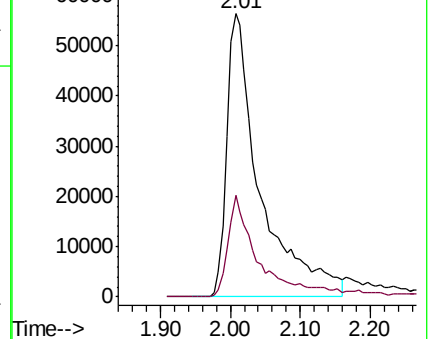
85 100

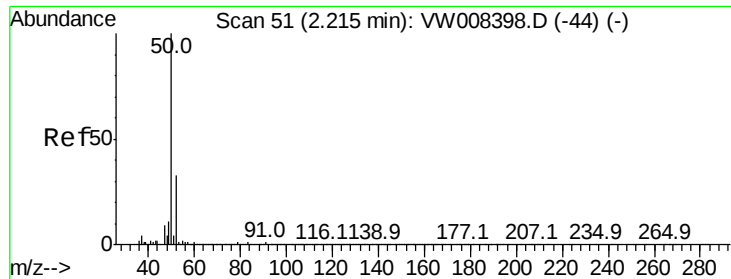
87 36.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#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 :

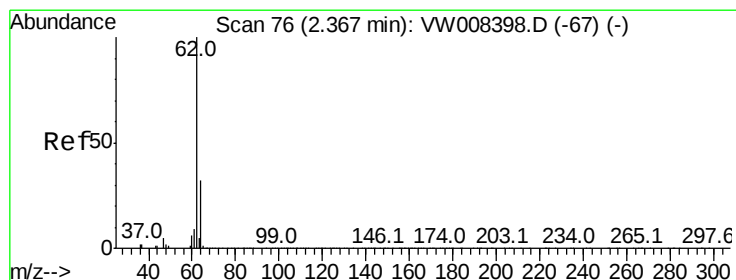
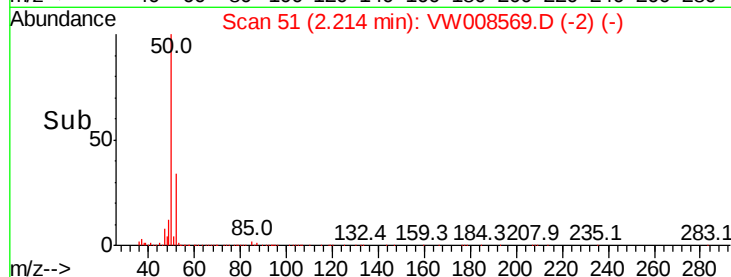
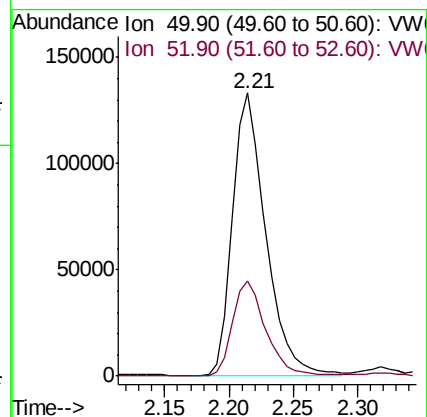
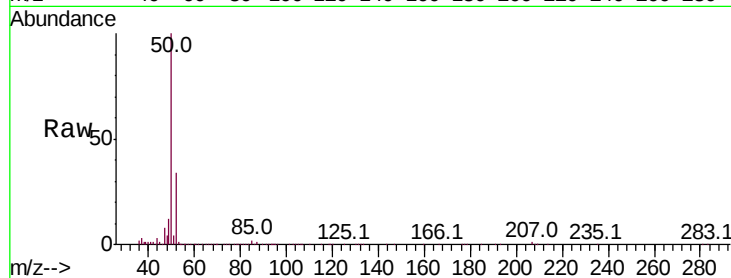
VSTDCCC050

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

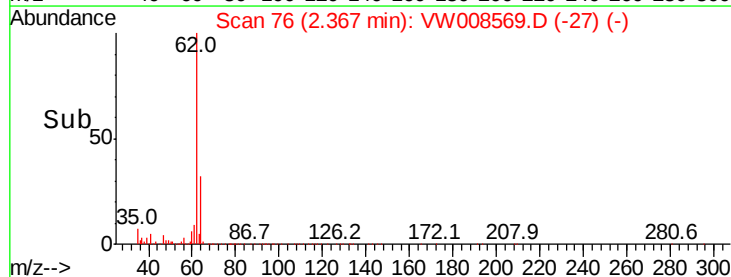
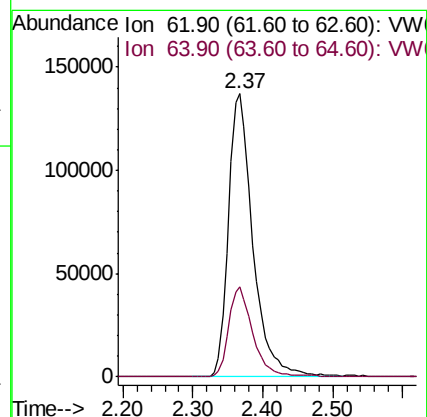
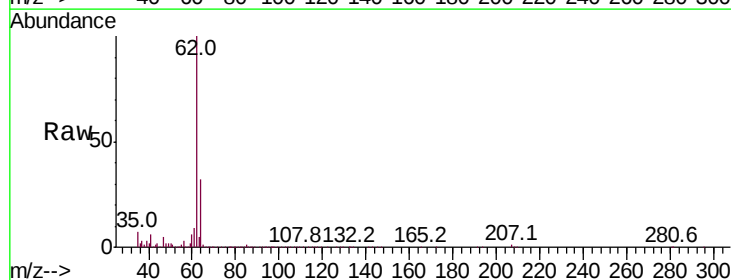
Acq: 08 Feb 2019 12:01

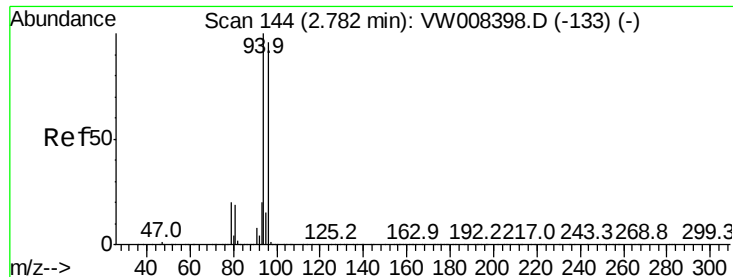
Tgt Ion: 62 Resp: 332951

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 :

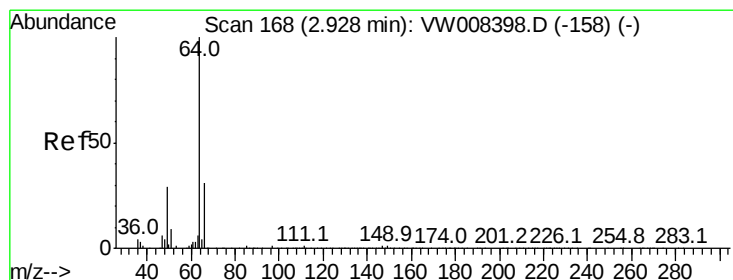
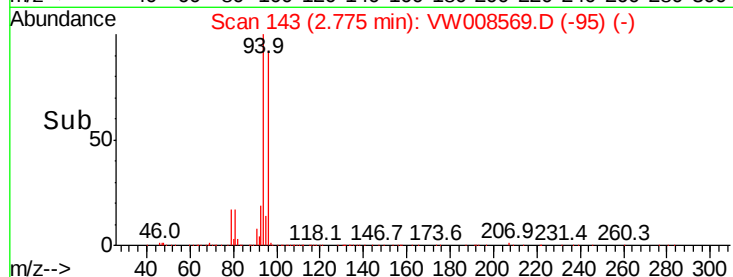
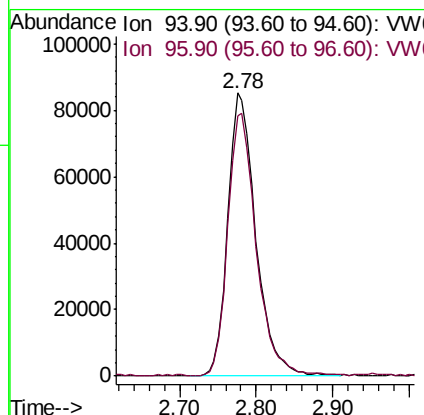
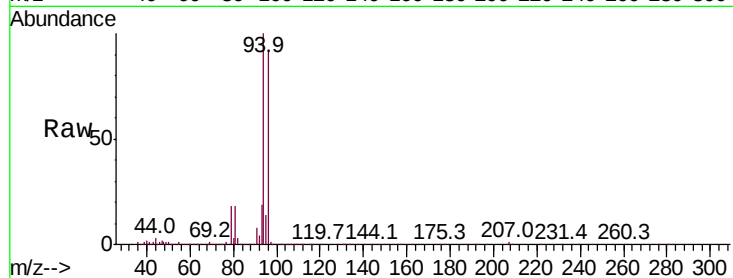
VSTDCCC050

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

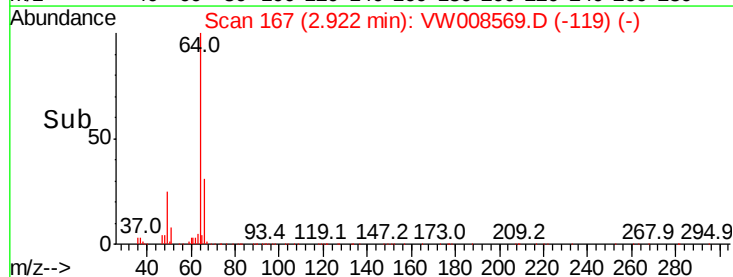
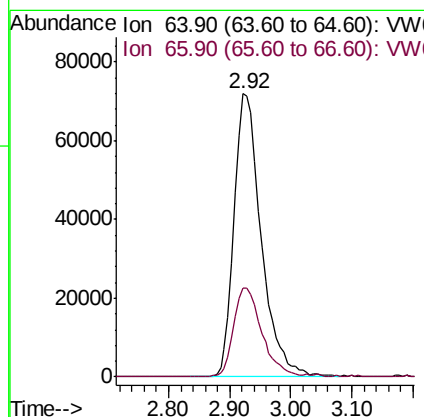
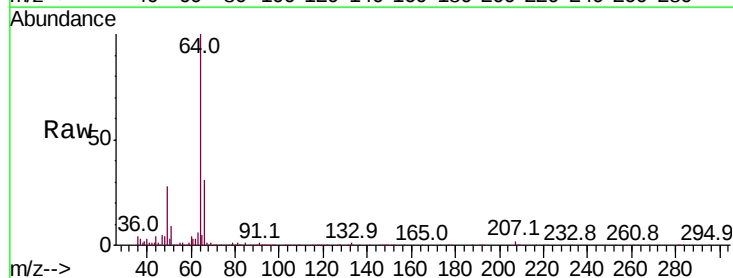
Acq: 08 Feb 2019 12:01

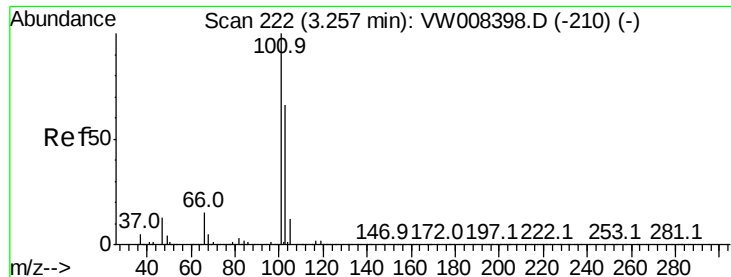
Tgt Ion: 64 Resp: 220205

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3



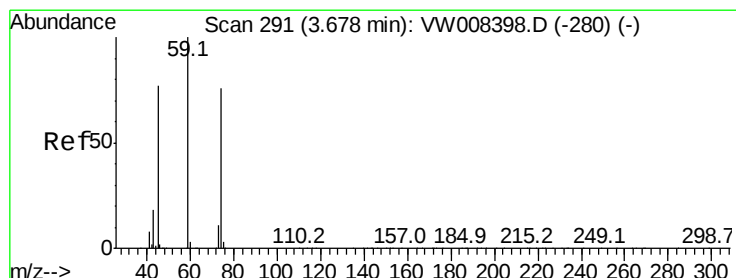
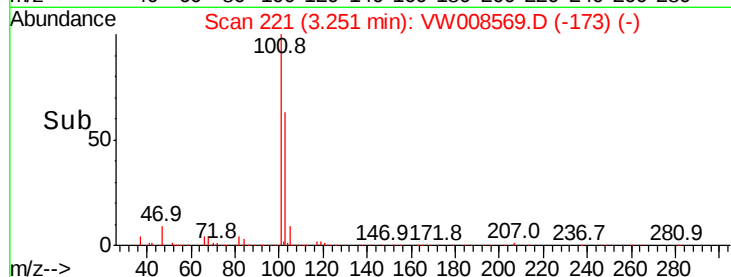
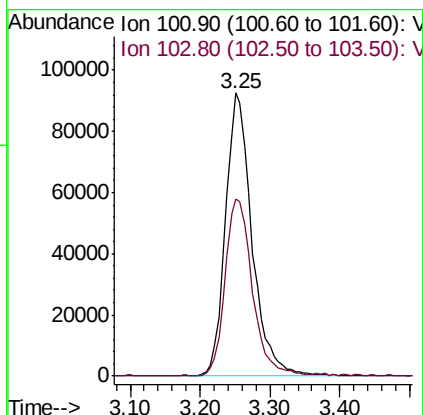
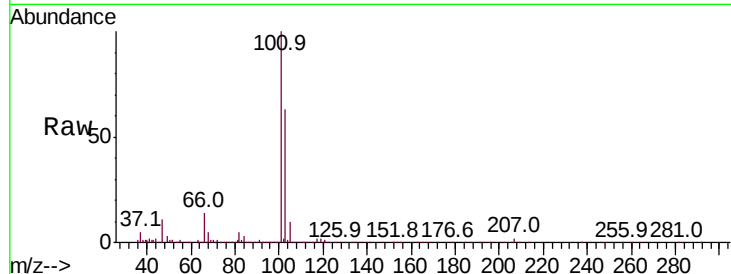


#7

Trichlorofluoromethane
Concen: 41.784 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

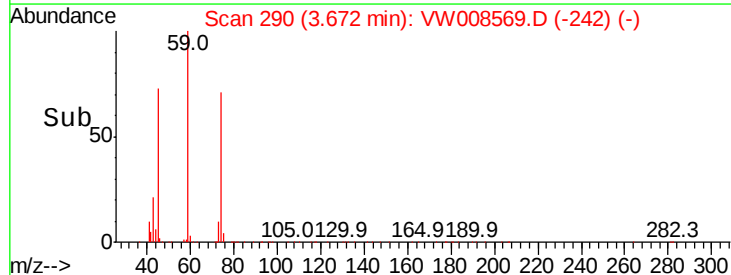
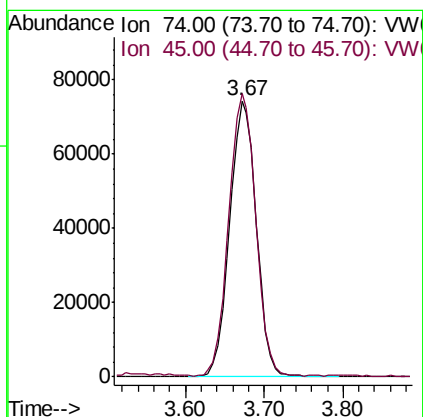
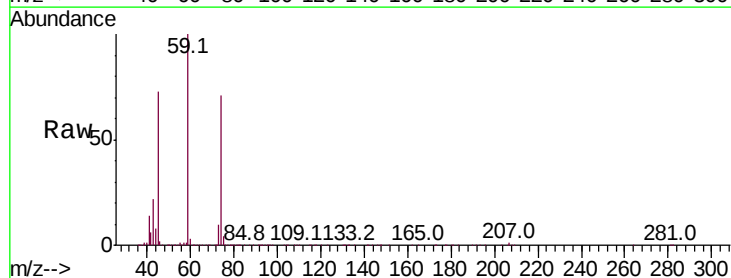
Tot Ion:101 Resp: 244393
Ion Ratio Lower Upper
101 100
103 62.4 52.5 78.7

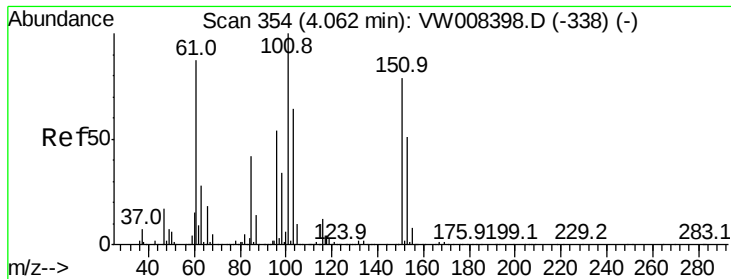


#8

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

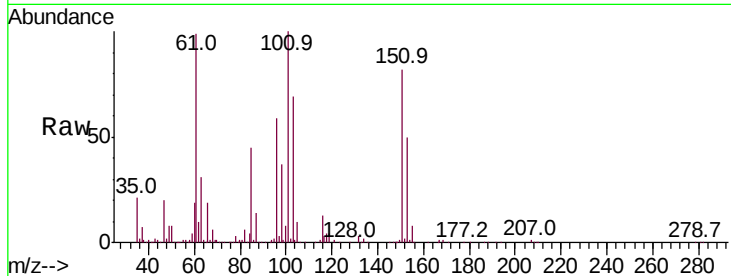
Tot Ion:101 Resp: 342412

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

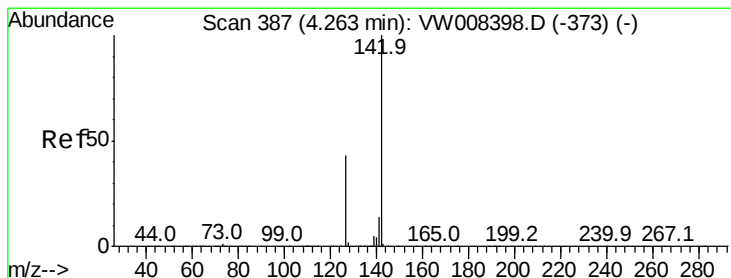
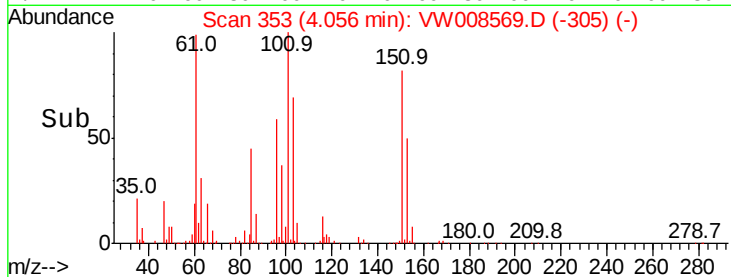
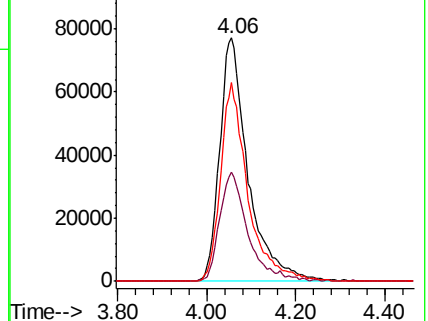
151 78.3 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

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

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

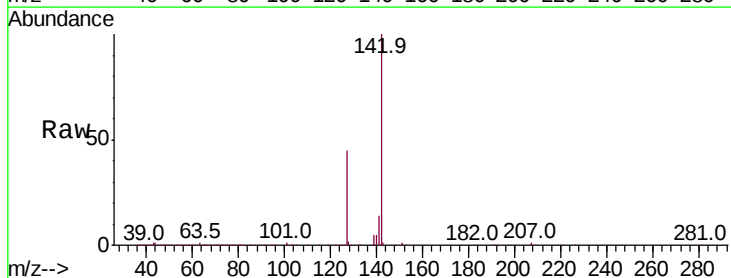
Tgt Ion:142 Resp: 502078

Ion Ratio Lower Upper

142 100

127 45.3 34.6 52.0

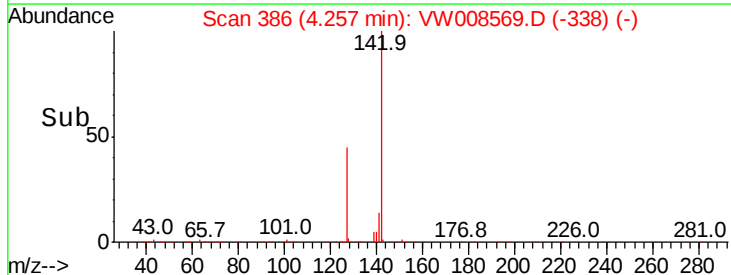
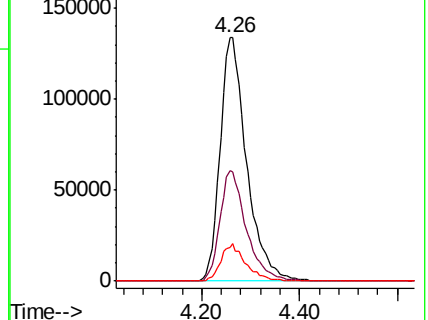
141 14.4 11.4 17.2

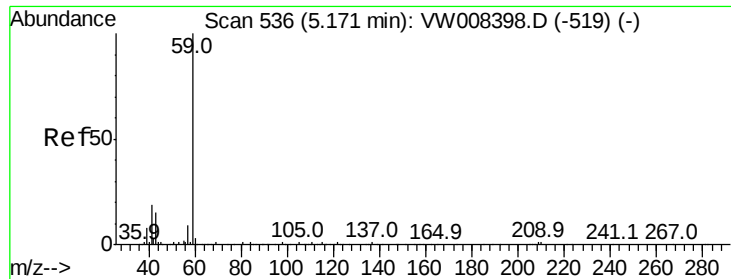


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



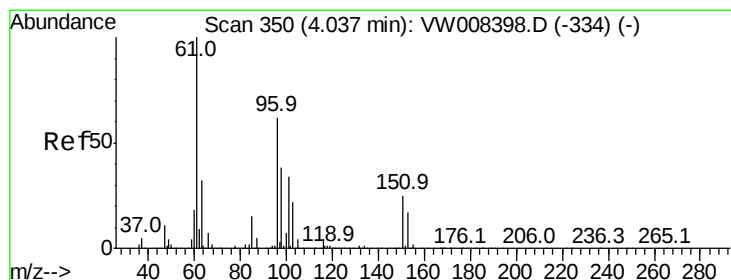
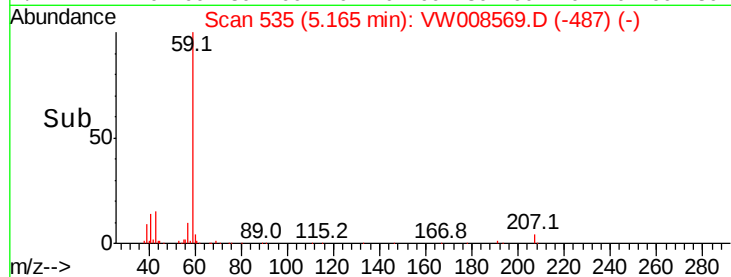
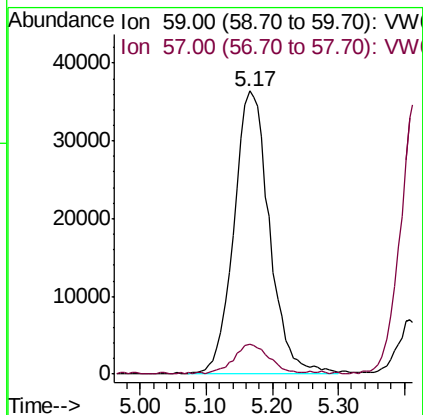
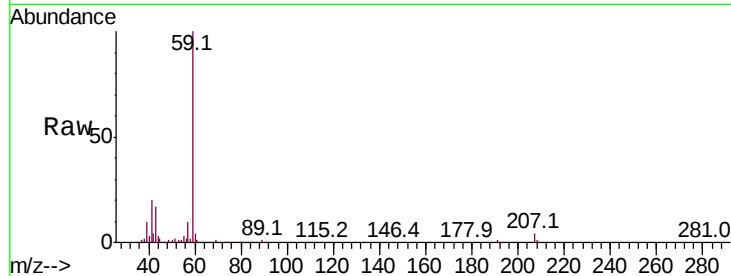


#11

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

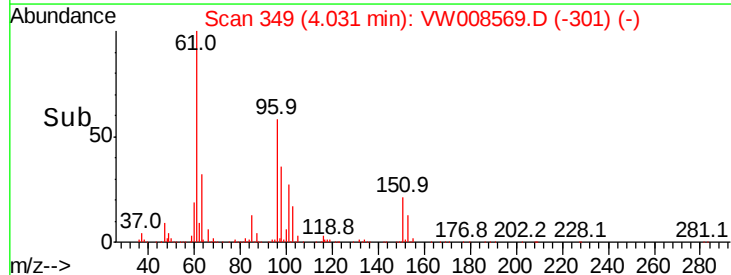
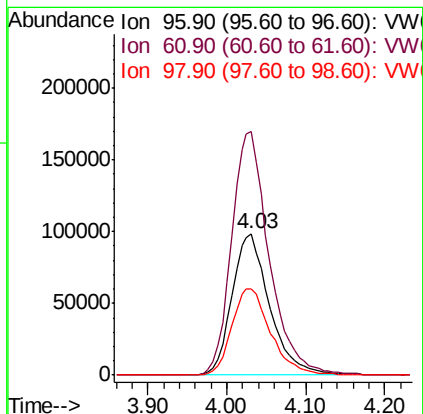
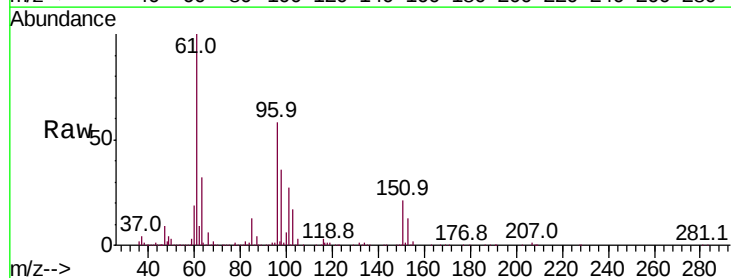
Tot Ion: 59 Resp: 135990
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9

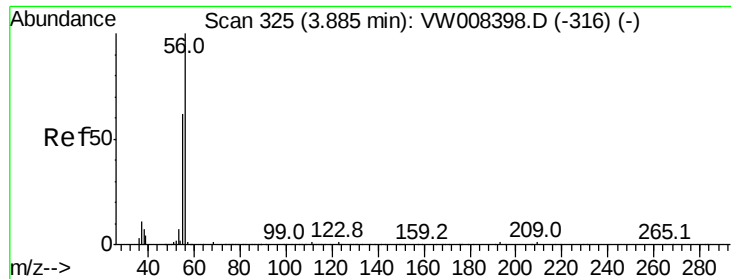


#12

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

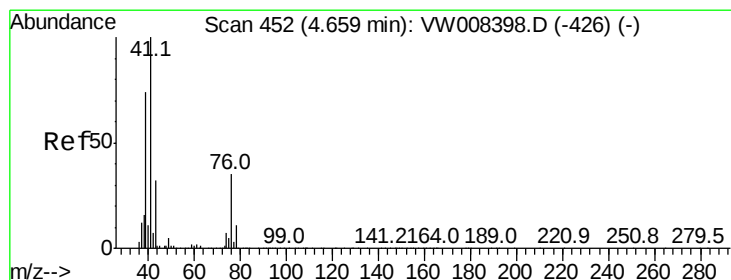
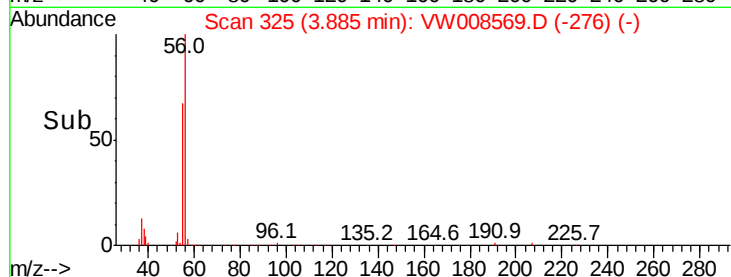
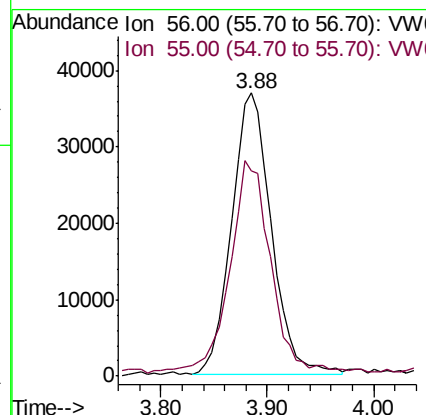
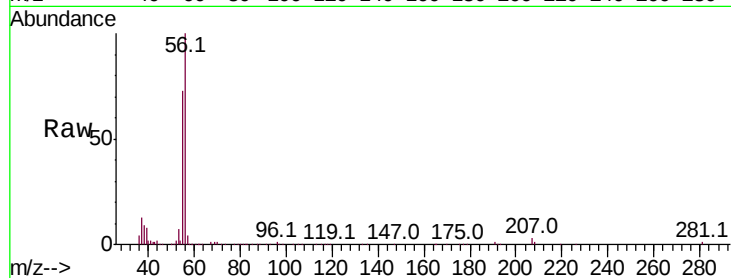




#13
 Acrolein
 Concen: 209.571 ug/l
 RT: 3.88 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

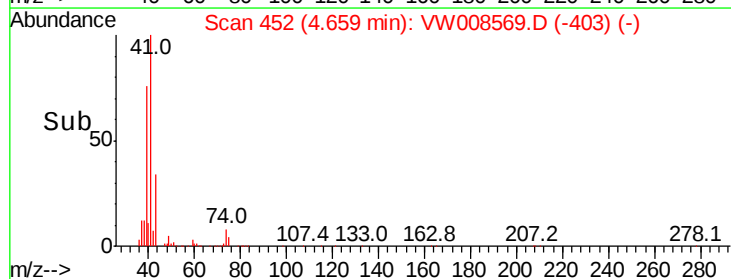
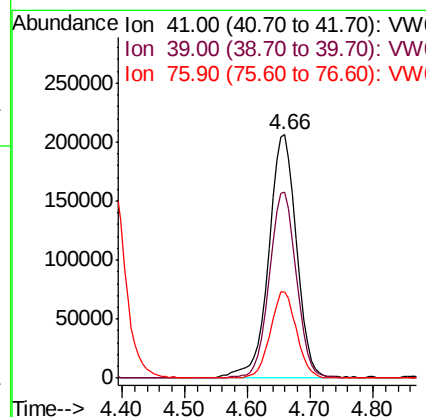
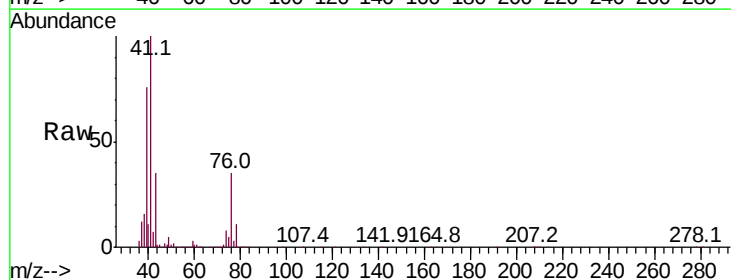
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

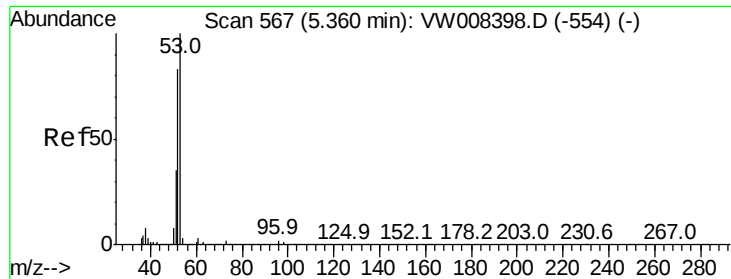
Tot Ion: 56 Resp: 96311
 Ion Ratio Lower Upper
 56 100
 55 78.5 56.7 85.1



#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

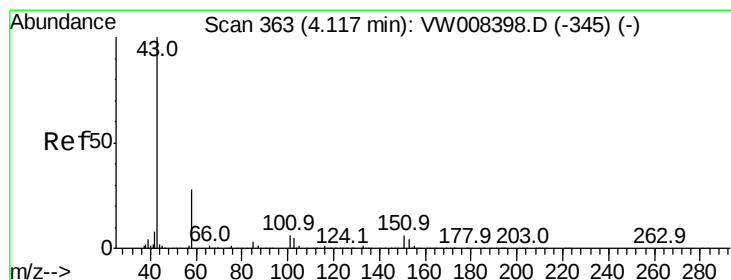
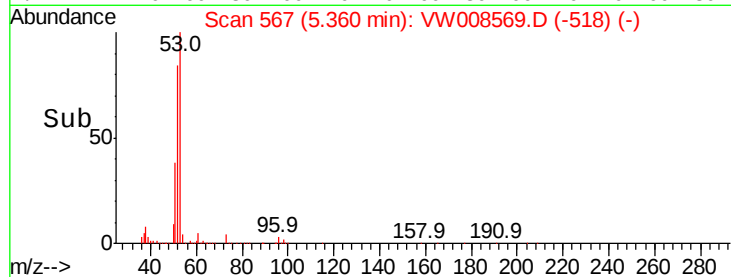
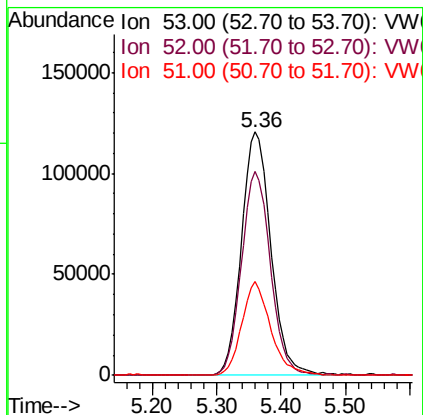
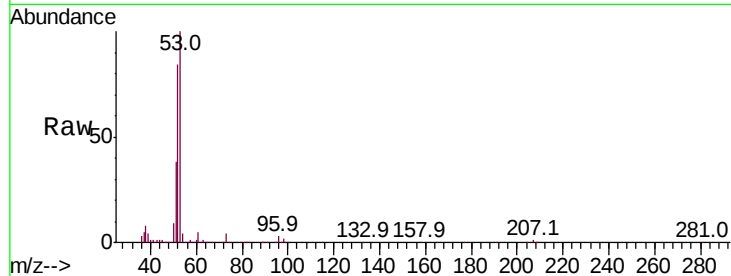
Tot Ion: 53 Resp: 378322

Ion Ratio Lower Upper

53 100

52 82.4 67.0 100.4

51 37.9 29.8 44.8



#16

Acetone

Concen: 278.264 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008569.D

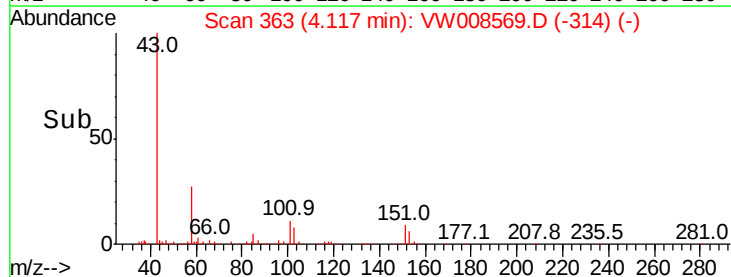
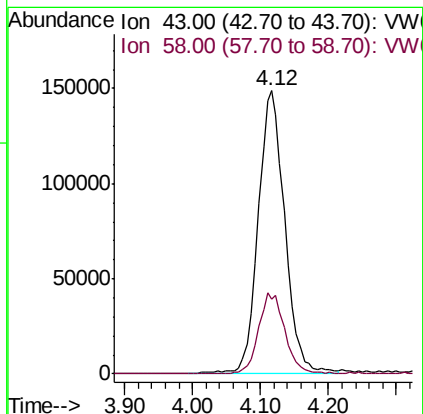
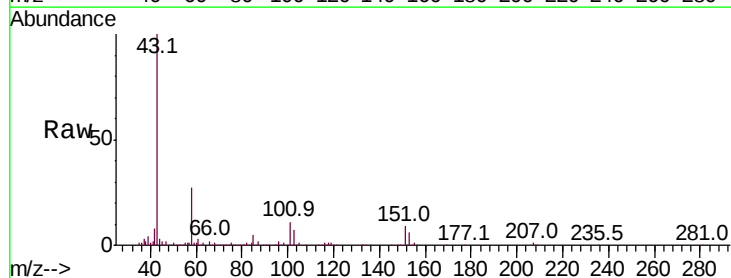
Acq: 08 Feb 2019 12:01

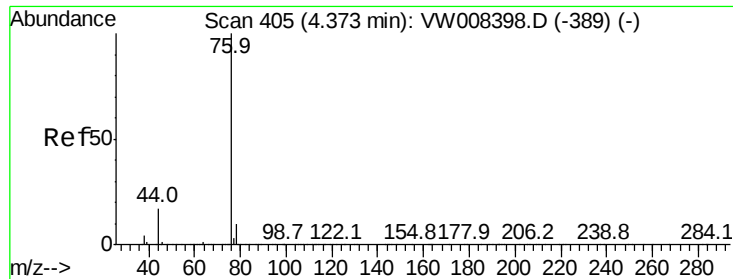
Tgt Ion: 43 Resp: 405607

Ion Ratio Lower Upper

43 100

58 26.4 22.6 34.0





#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 :

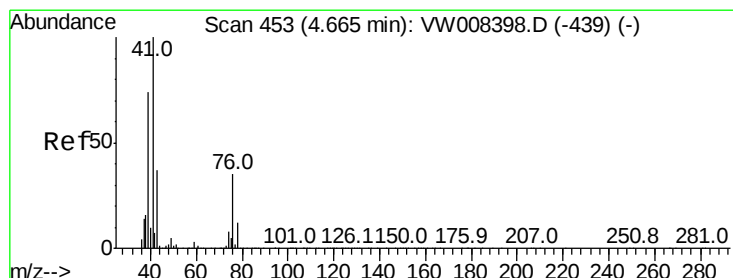
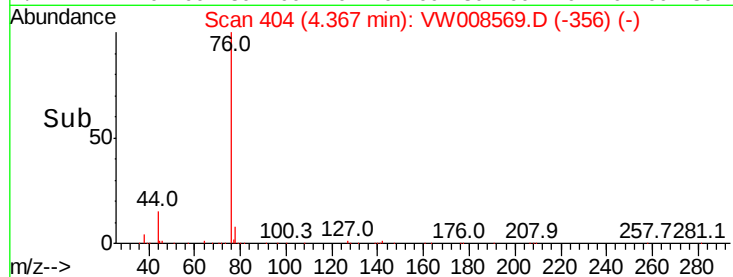
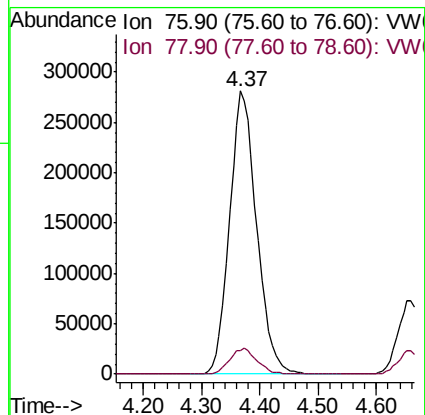
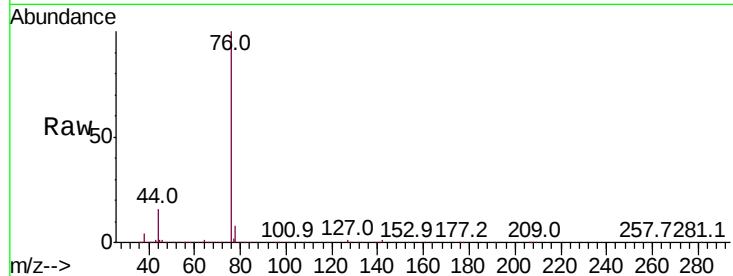
VSTDCCC050

Tot Ion: 76 Resp: 906314

Ion Ratio Lower Upper

76 100

78 8.3 7.7 11.5



#18

Methyl Acetate

Concen: 56.613 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008569.D

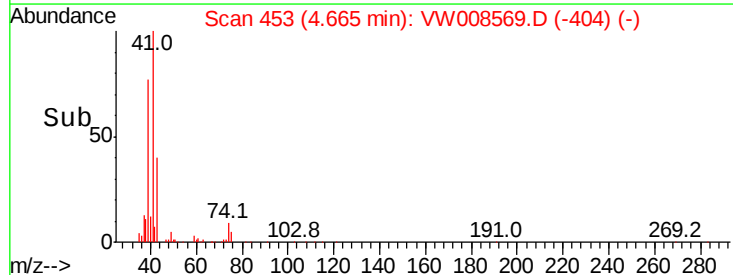
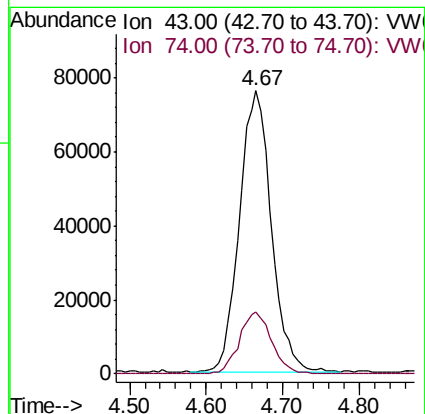
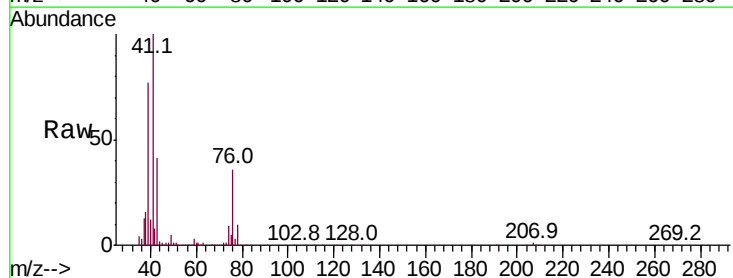
Acq: 08 Feb 2019 12:01

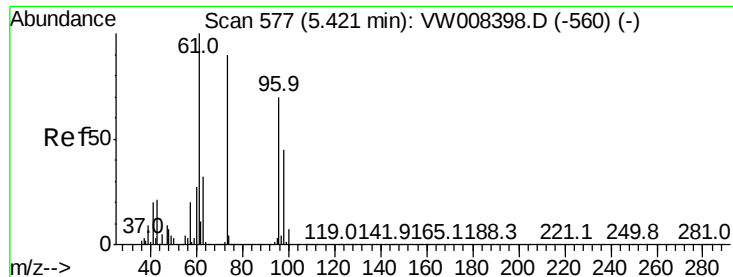
Tgt Ion: 43 Resp: 220099

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3



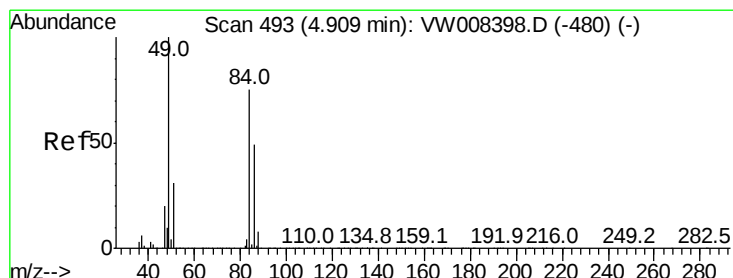
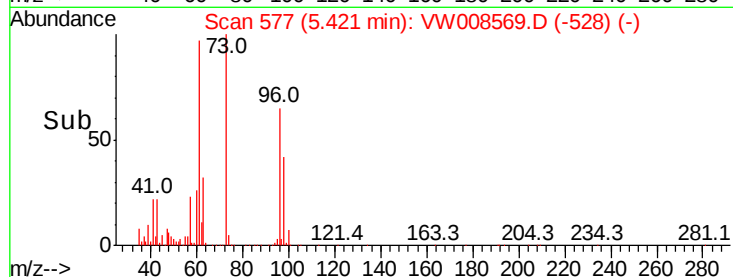
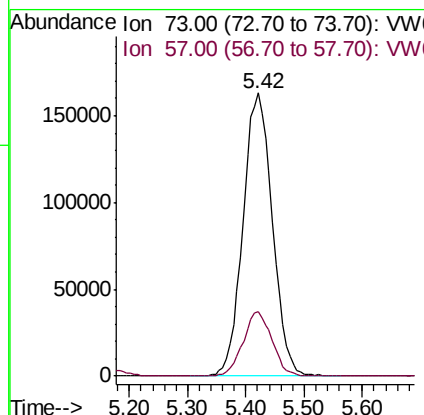
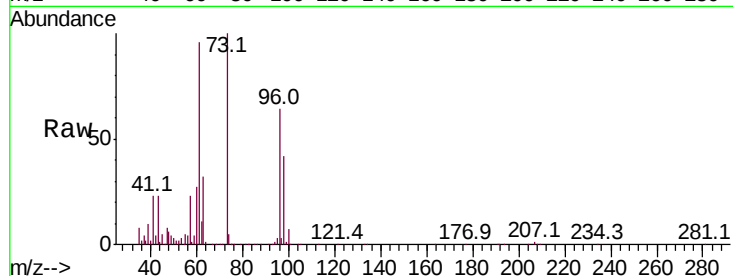


#19

Methyl tert-butyl 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

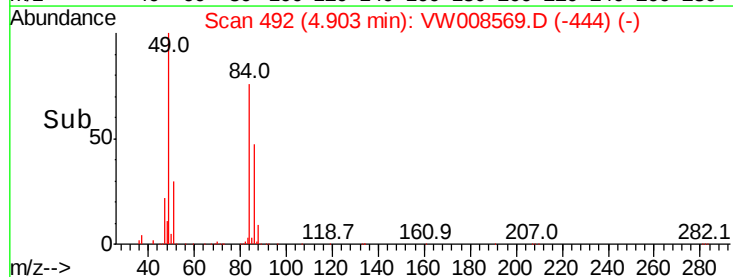
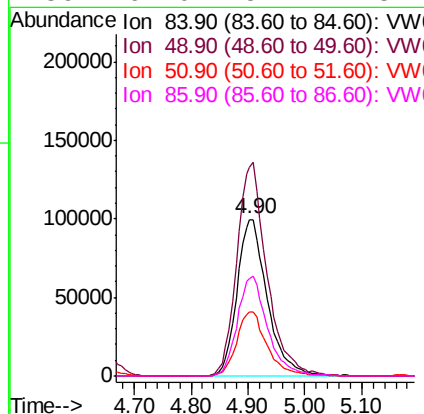
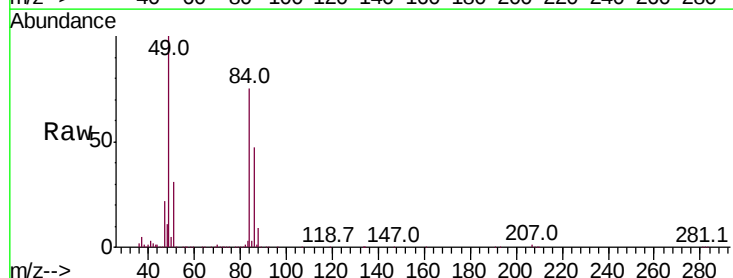
Tot Ion: 73 Resp: 569436
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.0 27.0

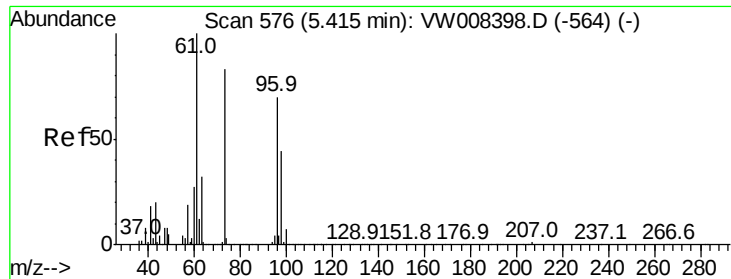


#20

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

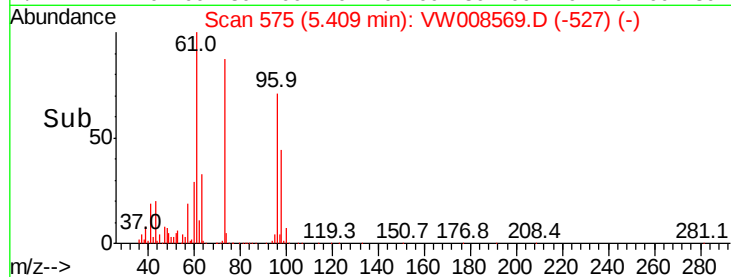
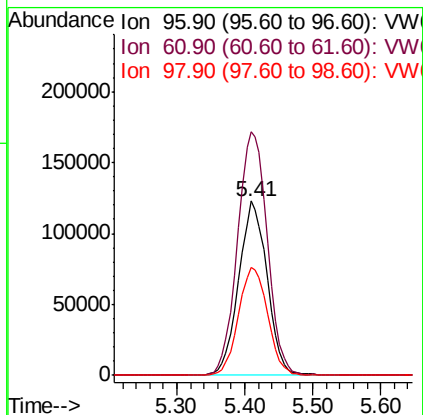
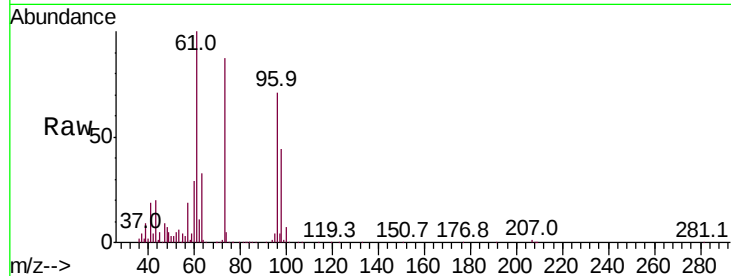
Tot Ion: 96 Resp: 355853

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

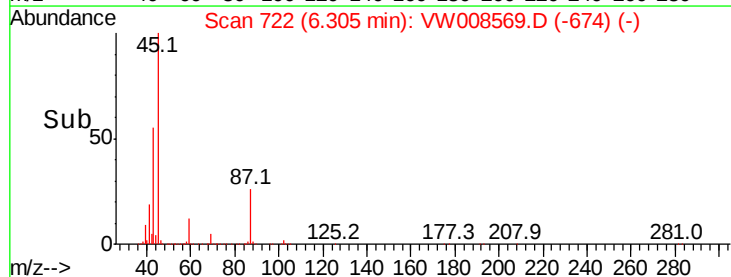
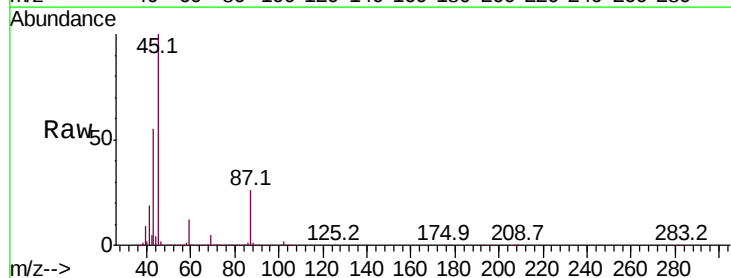
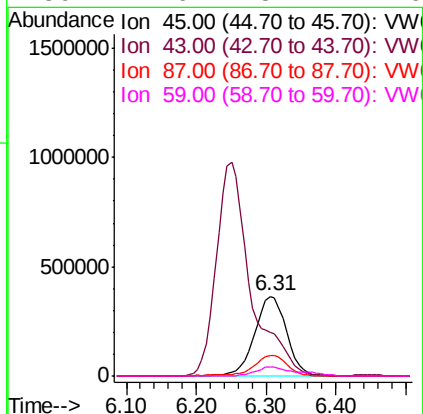
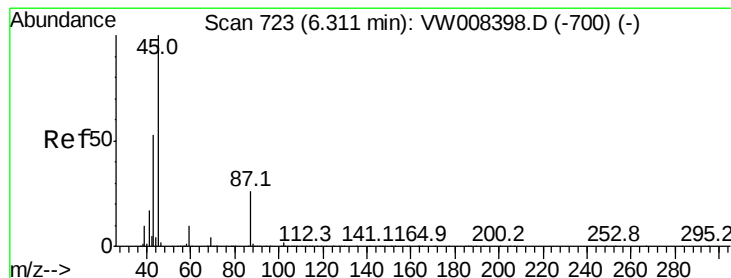
Ion Ratio Lower Upper

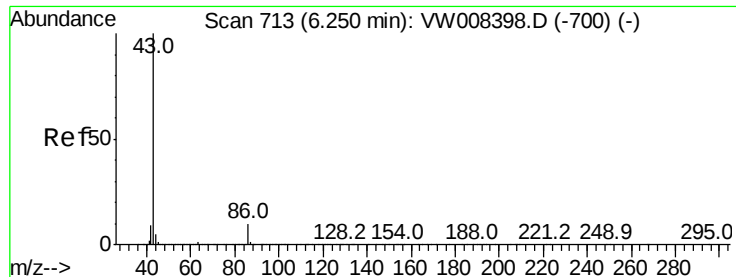
45 100

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

ClientSampleId :

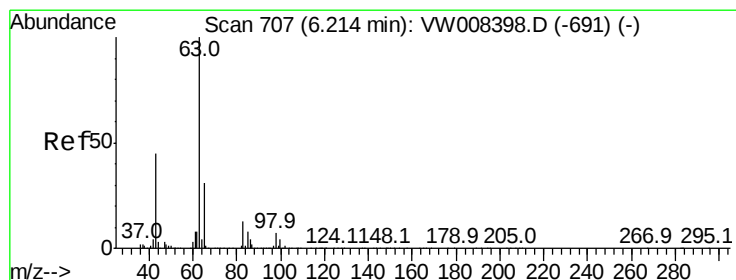
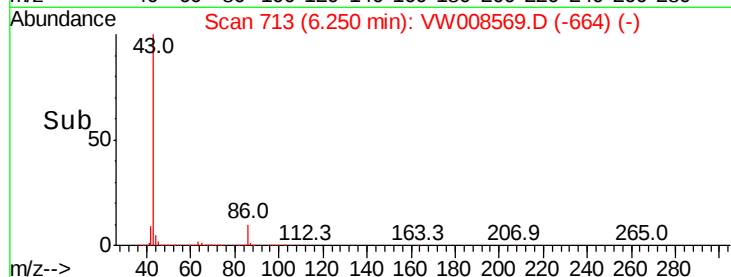
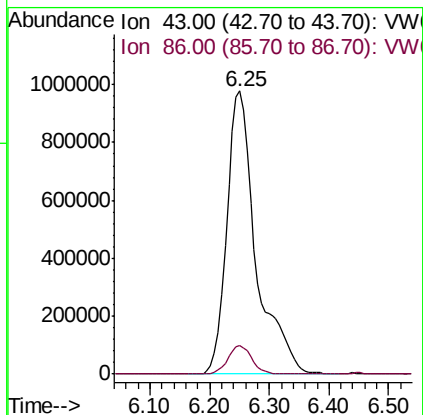
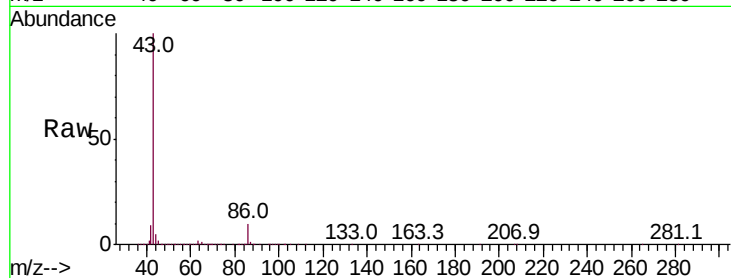
VSTDCCC050

Tot Ion: 43 Resp: 3333657

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



#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

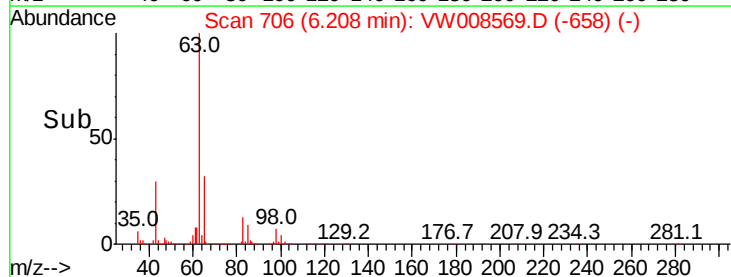
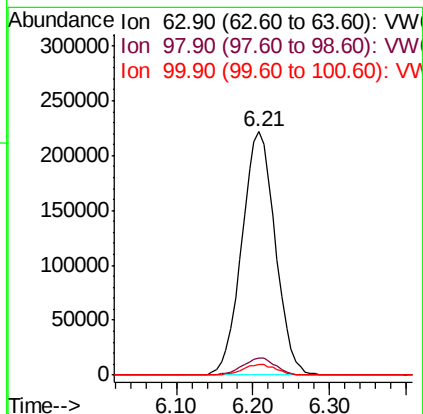
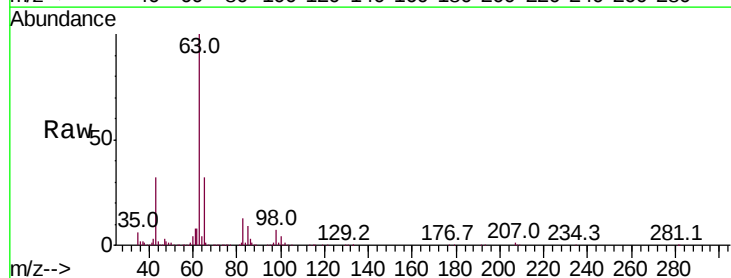
Tgt Ion: 63 Resp: 672205

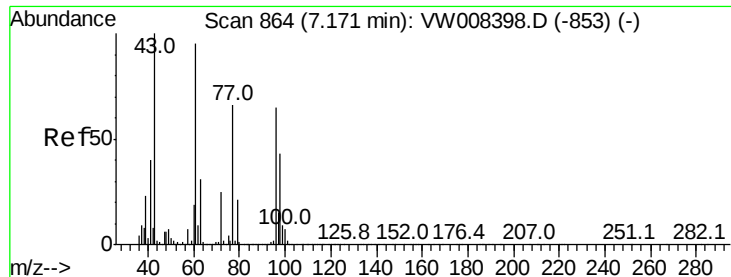
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.4 2.1 6.2





#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 :

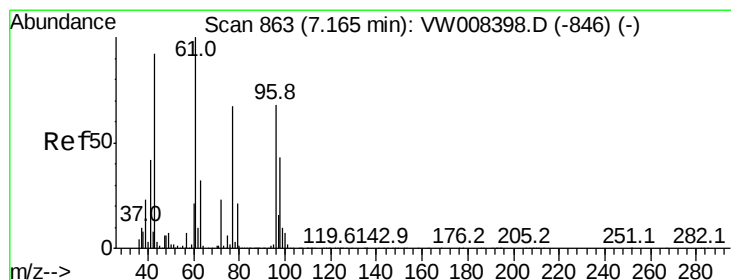
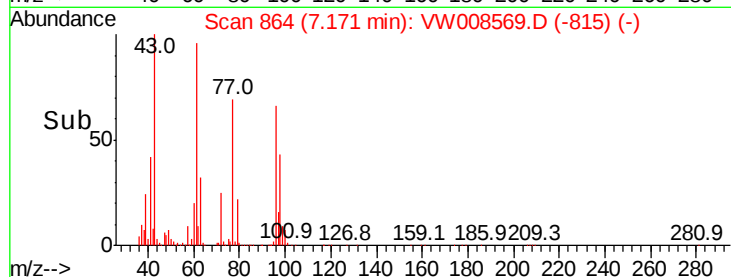
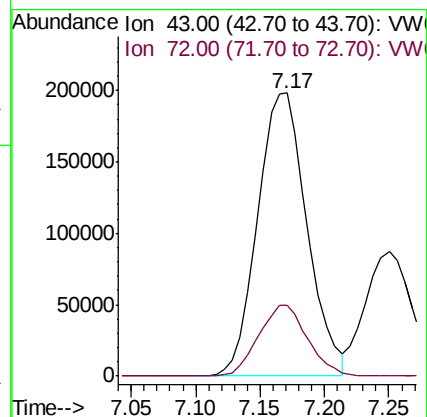
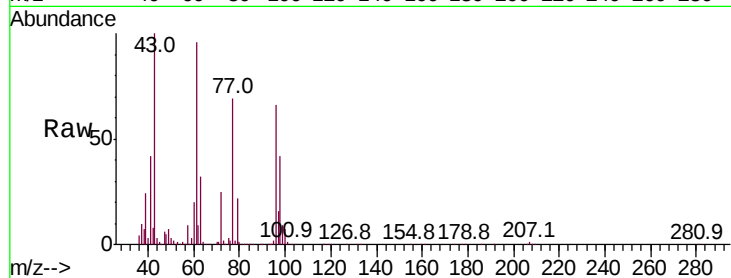
VSTDCCC050

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

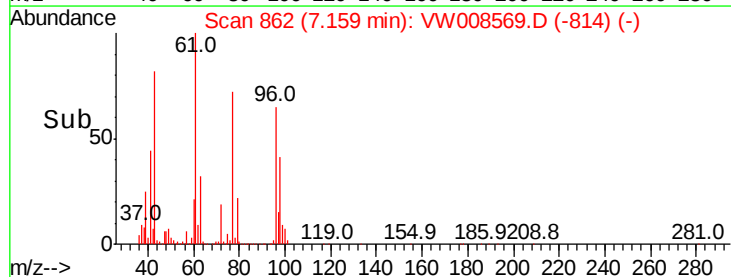
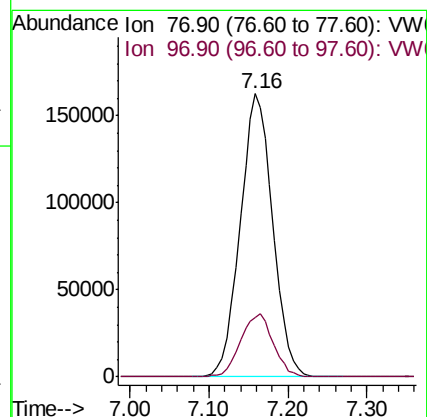
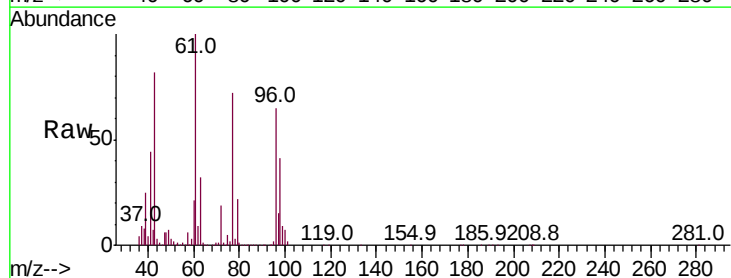
Acq: 08 Feb 2019 12:01

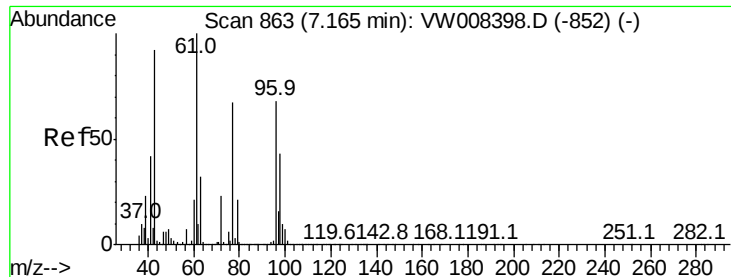
Tgt Ion: 77 Resp: 463875

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5



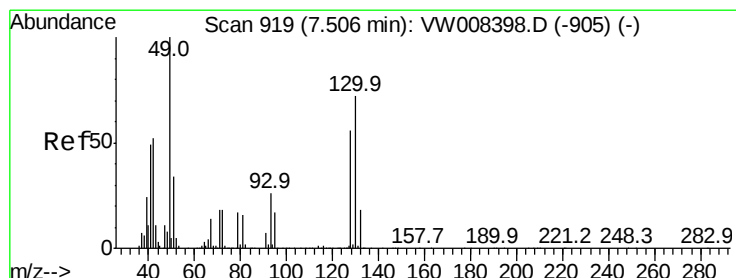
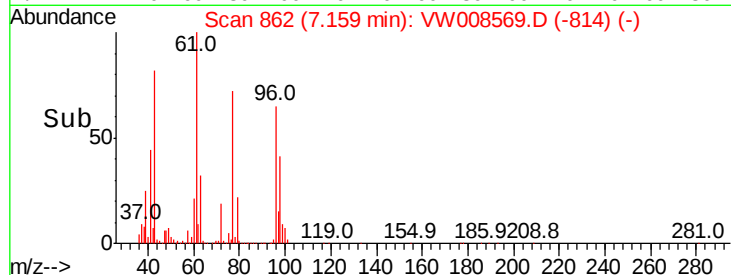
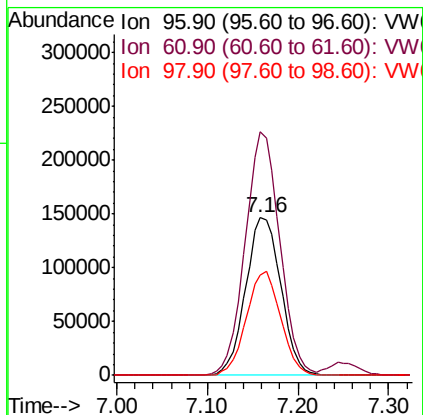
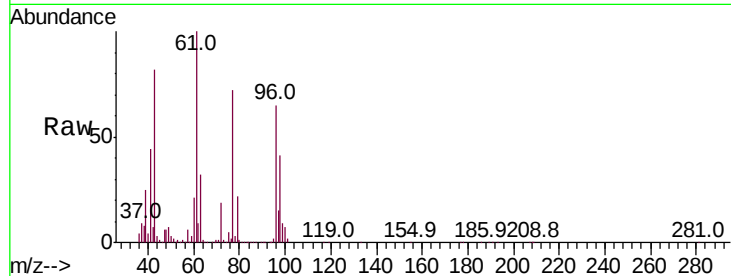


#27

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

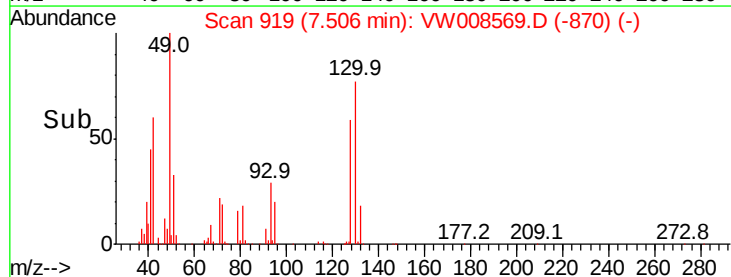
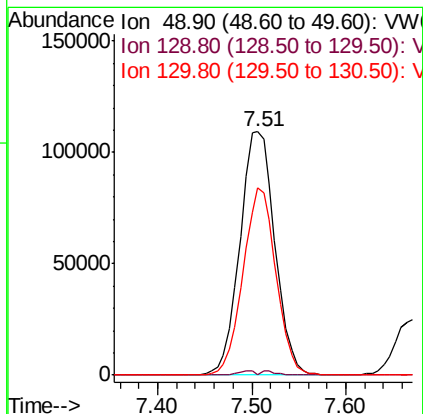
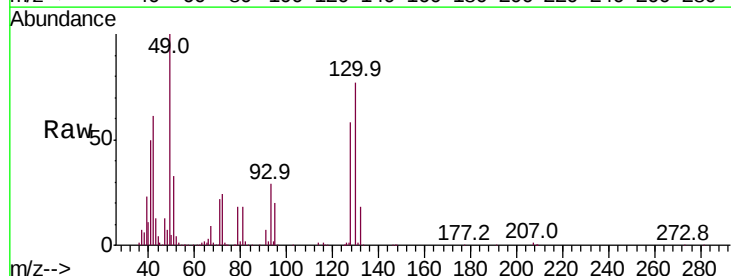
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	292.8
98	64.1	0.0	129.2

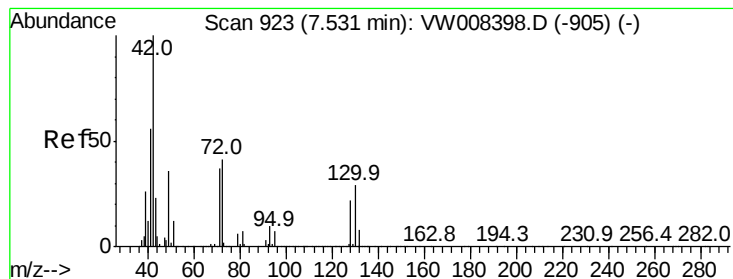


#28

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





#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

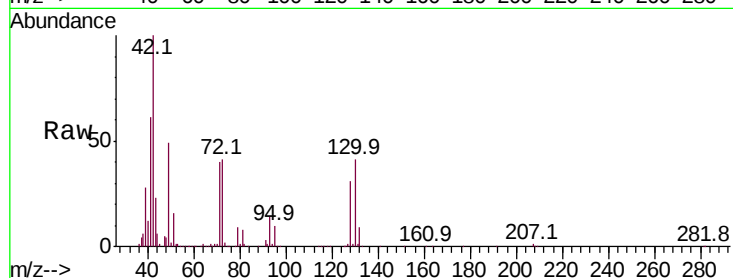
Tot Ion: 42 Resp: 329819

Ion Ratio Lower Upper

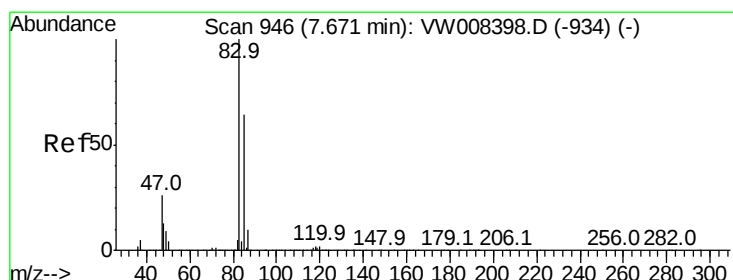
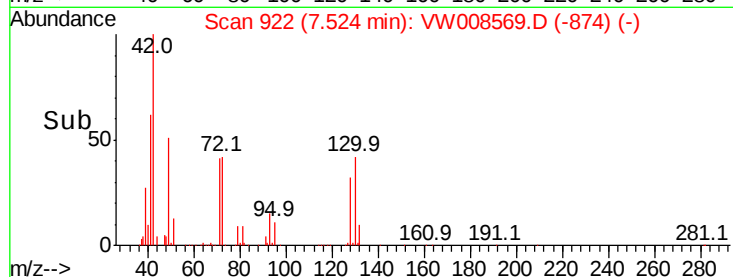
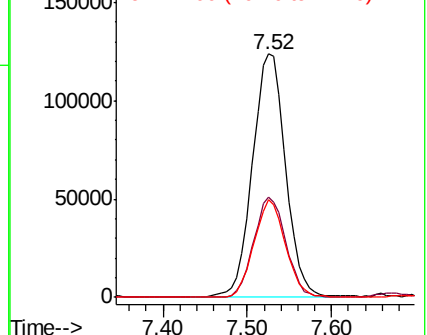
42 100

72 40.3 31.9 47.9

71 38.3 29.9 44.9



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



#30

Chloroform

Concen: 55.548 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW008569.D

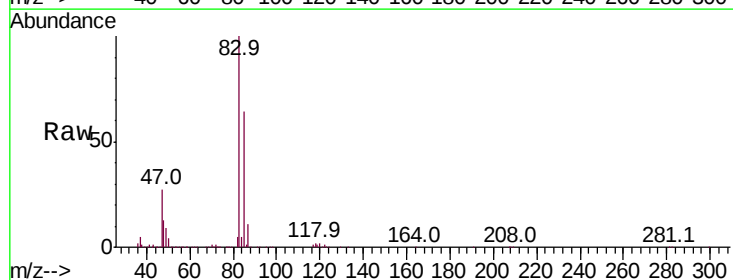
Acq: 08 Feb 2019 12:01

Tgt Ion: 83 Resp: 673115

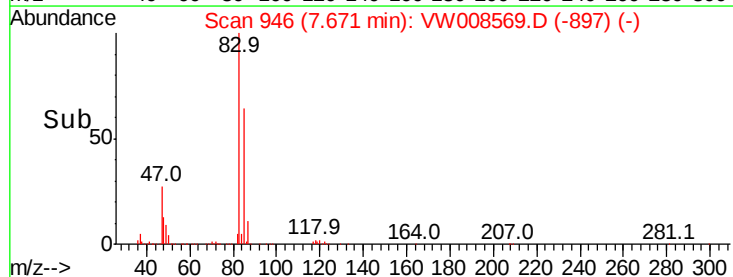
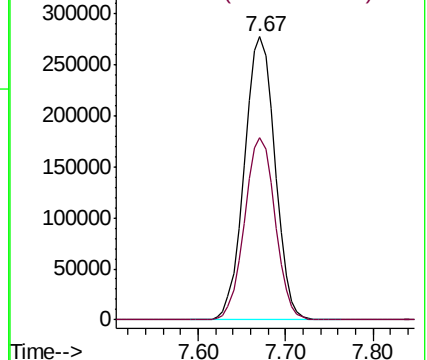
Ion Ratio Lower Upper

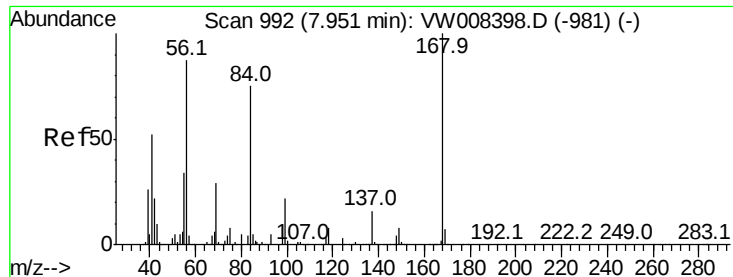
83 100

85 64.5 50.9 76.3



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

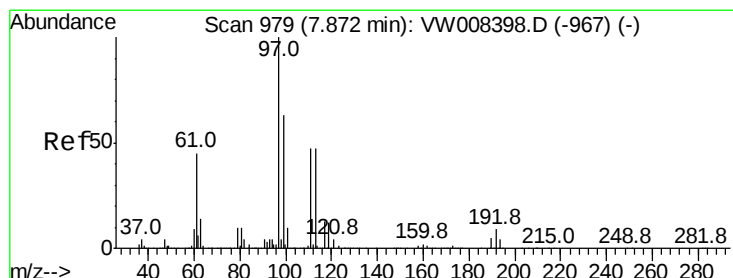
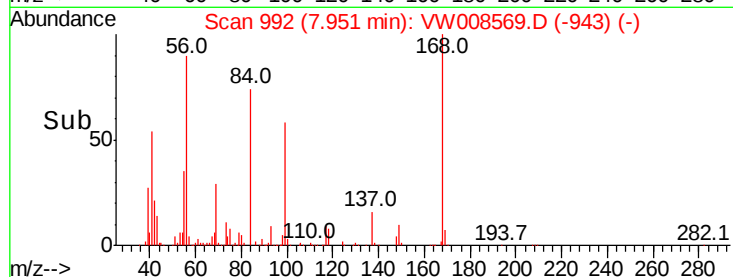
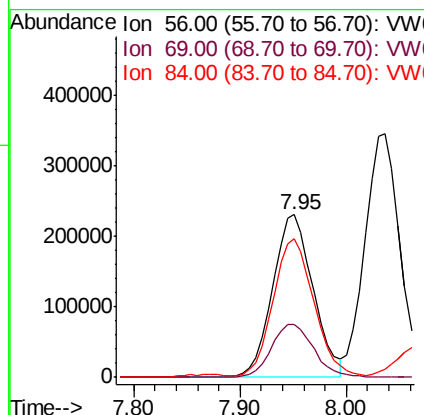
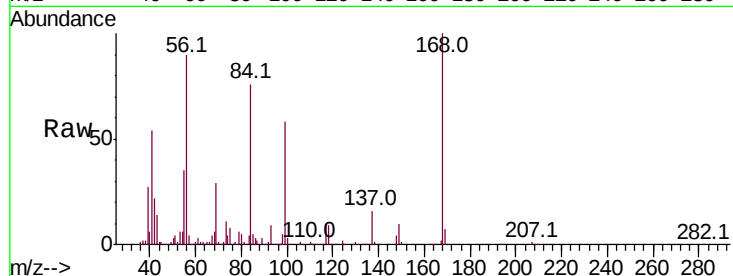




#31
Cyclohexane
Concen: 47.624 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

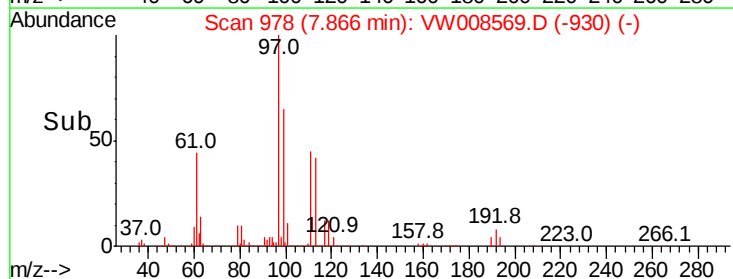
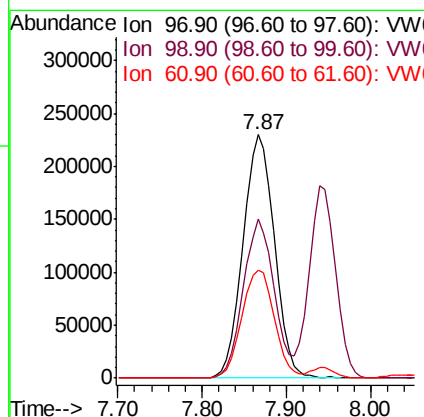
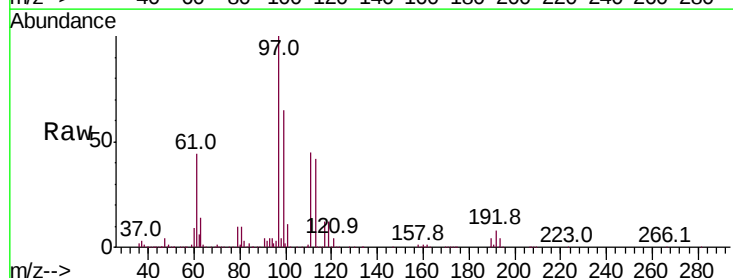
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

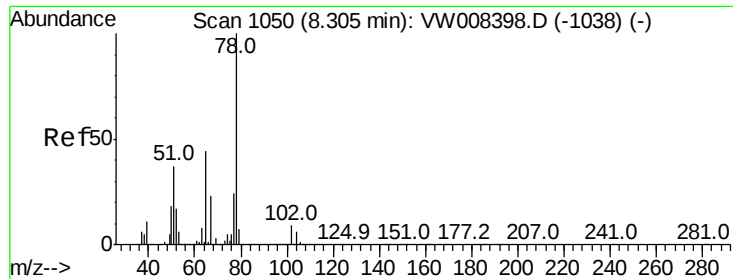
Tot Ion: 56 Resp: 606672
Ion Ratio Lower Upper
56 100
69 32.4 26.4 39.6
84 83.6 69.1 103.7



#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 :

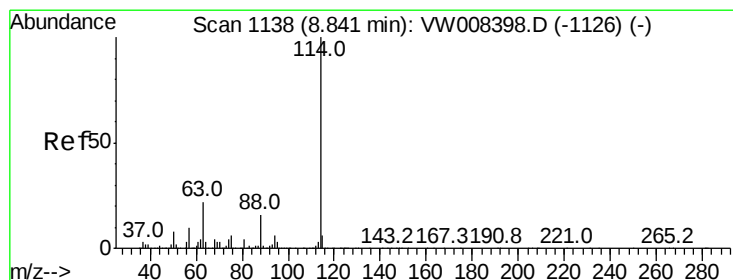
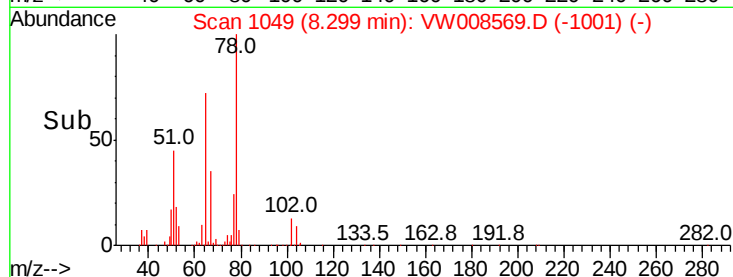
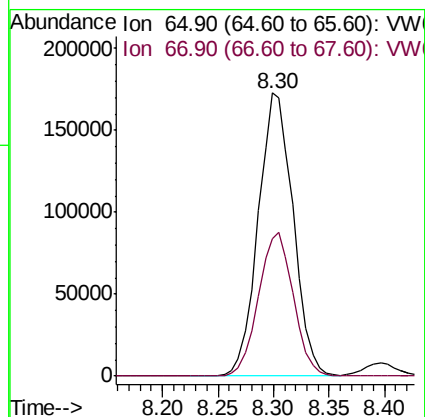
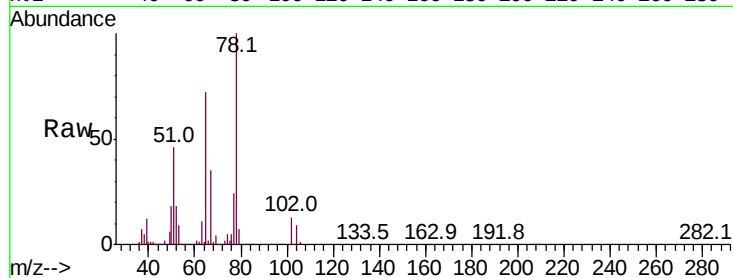
VSTDCCC050

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

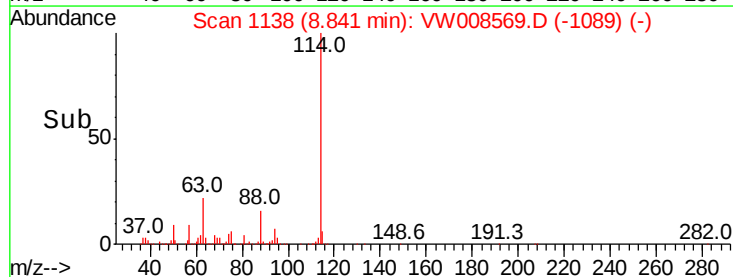
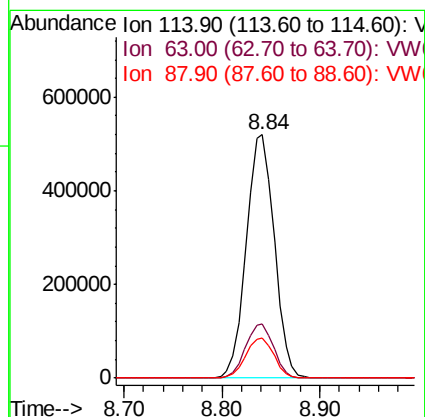
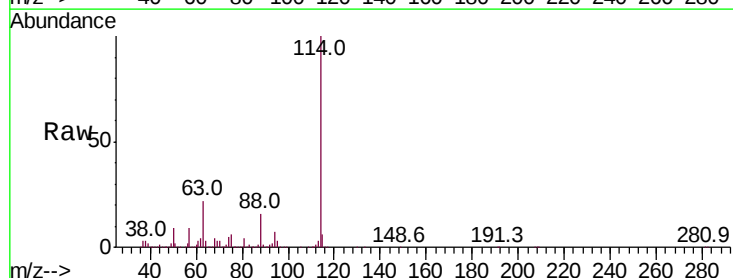
Tgt Ion: 114 Resp: 1035345

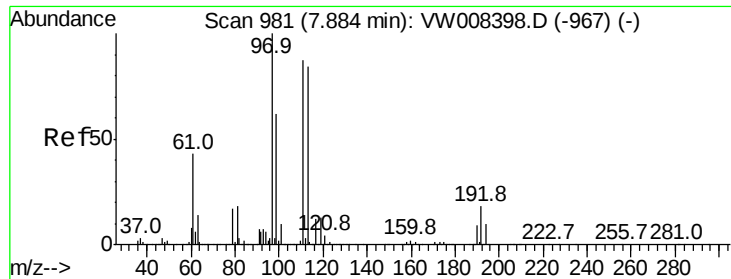
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.6

88 16.3 0.0 31.8

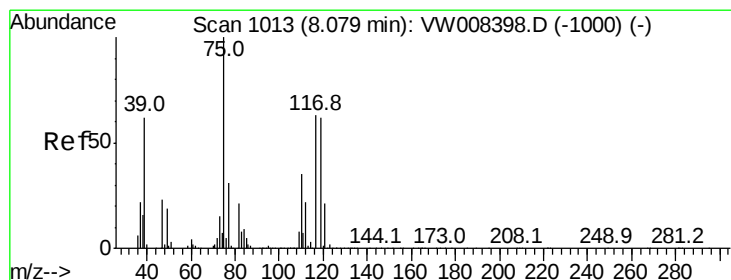
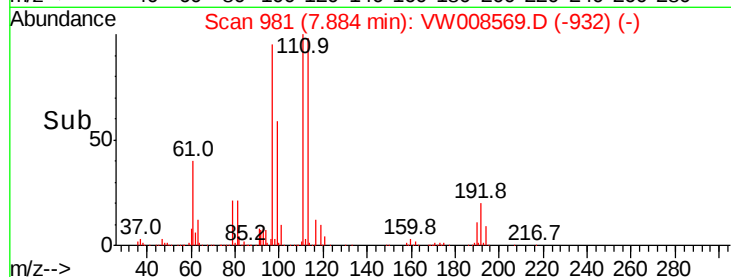
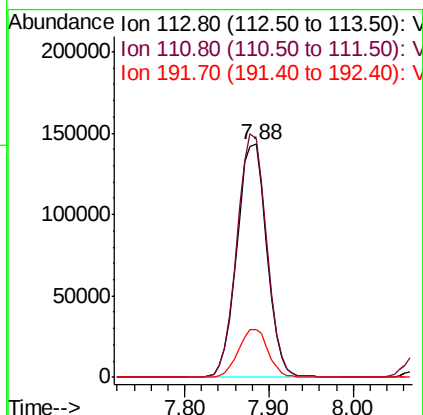
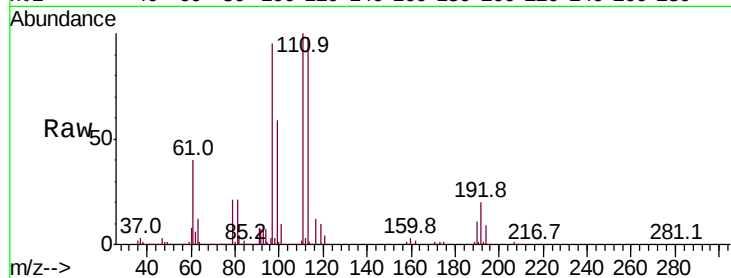




#35
Dibromofluoromethane
Concen: 56.647 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

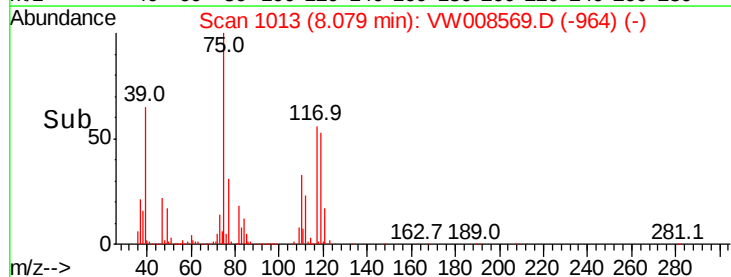
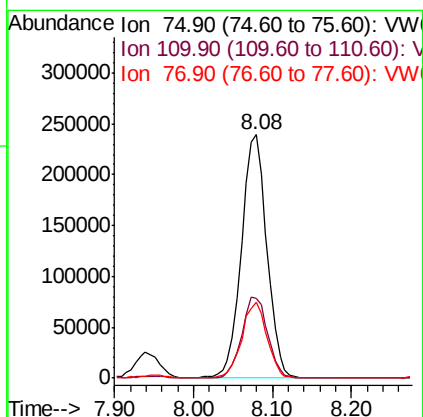
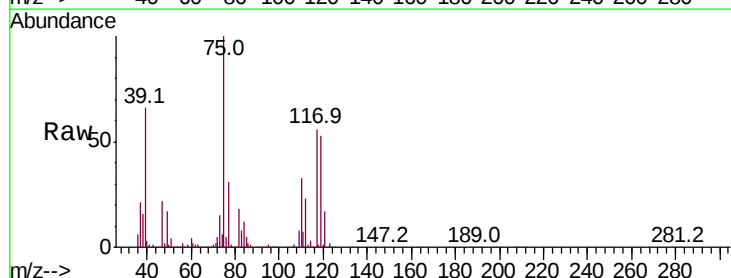
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

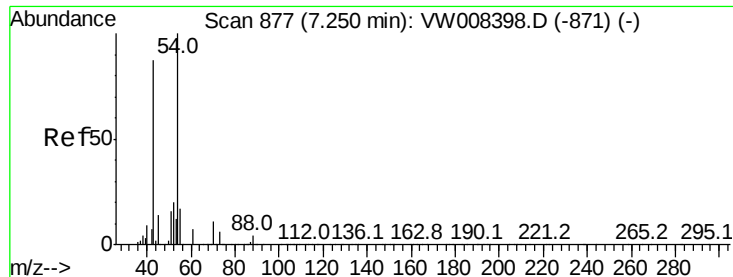
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	20.4	16.8	25.2



#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

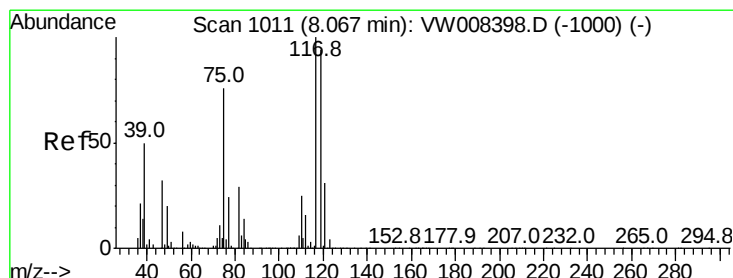
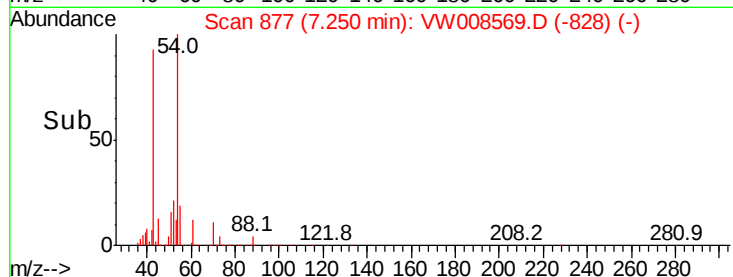
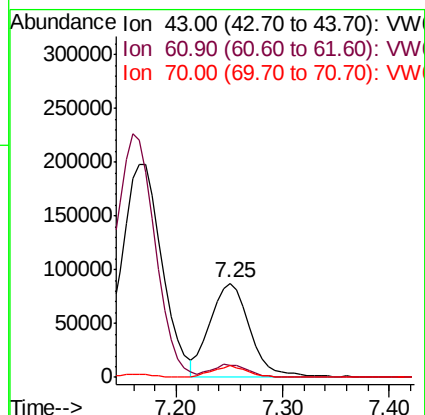
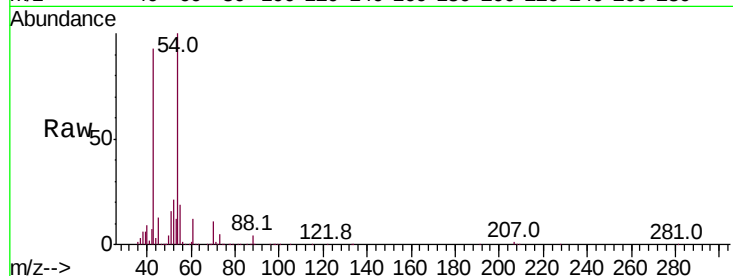




#37
Ethyl Acetate
Concen: 51.554 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

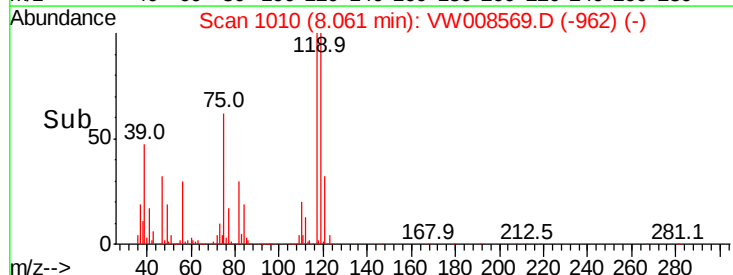
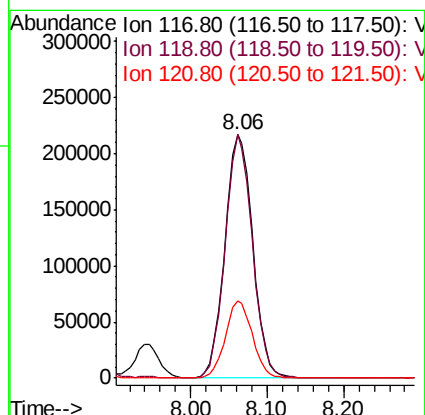
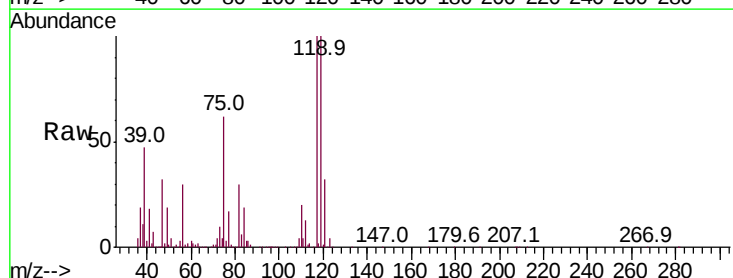
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

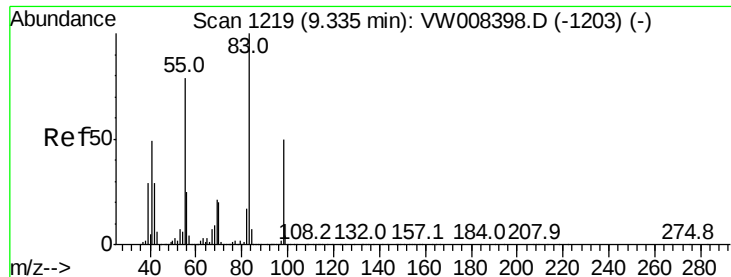
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.1	15.1
70	10.6	7.8	11.6



#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

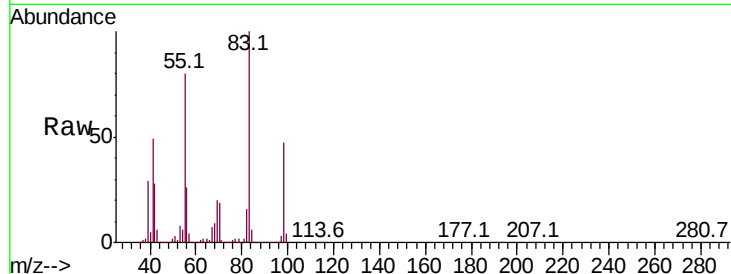




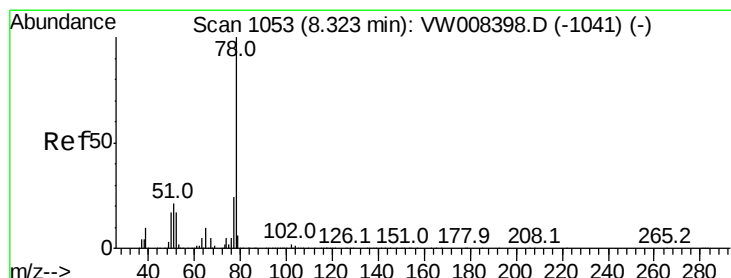
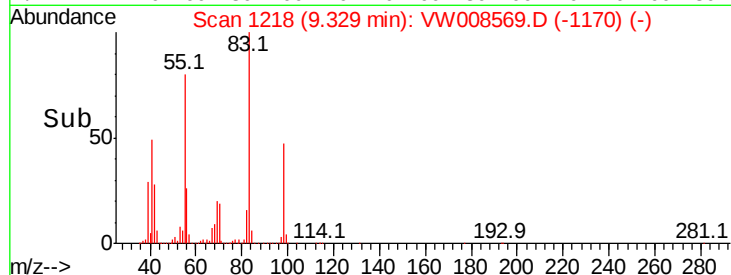
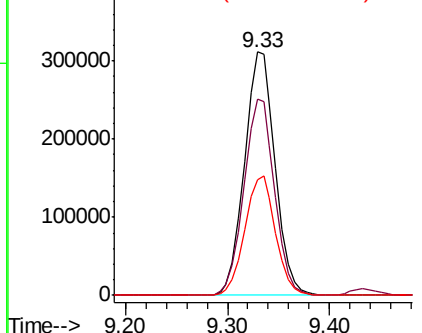
#39
Methvlcvclohexane
Concen: 50.507 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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

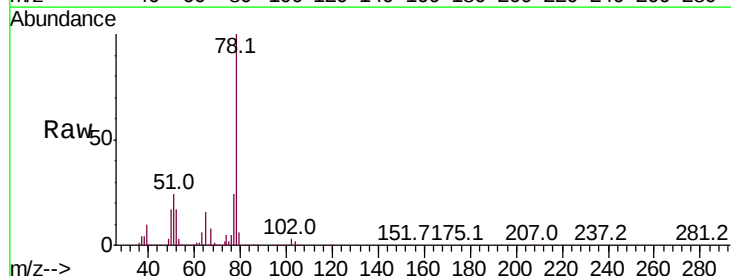


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

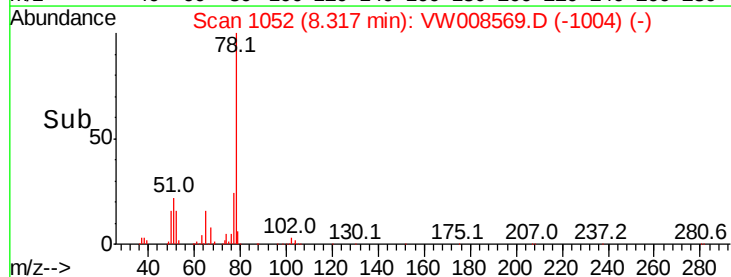
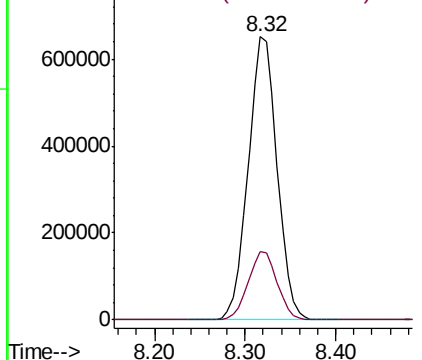


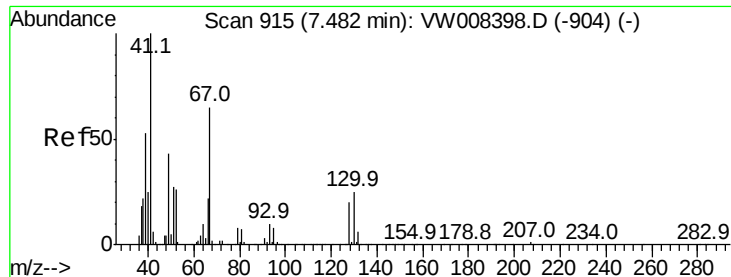
#40
Benzene
Concen: 52.741 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

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



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





#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 :

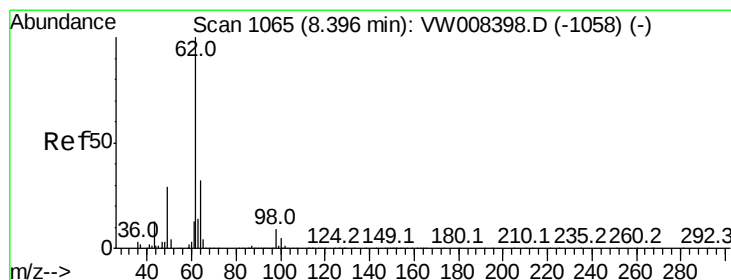
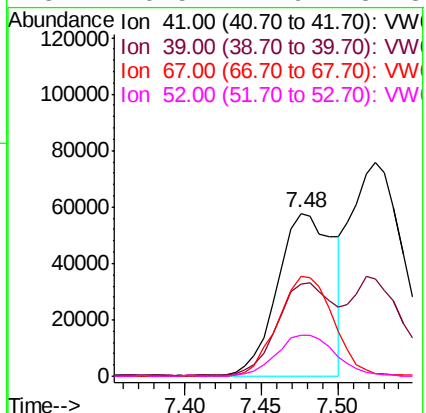
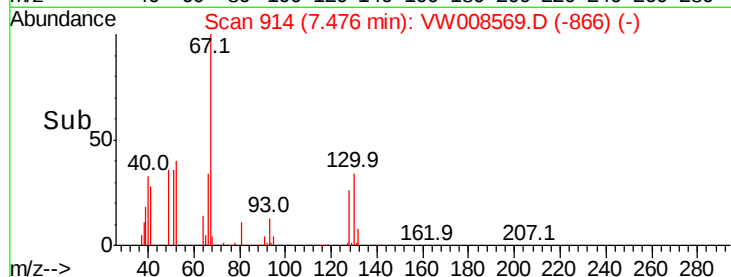
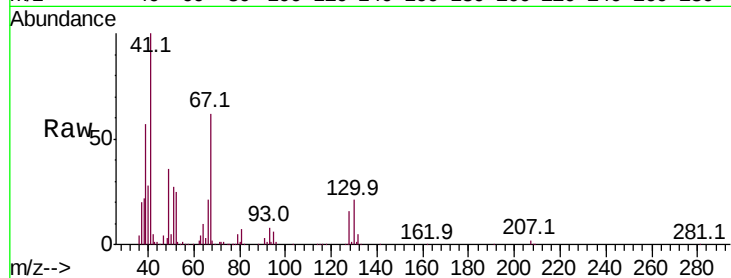
MSVOA_W

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

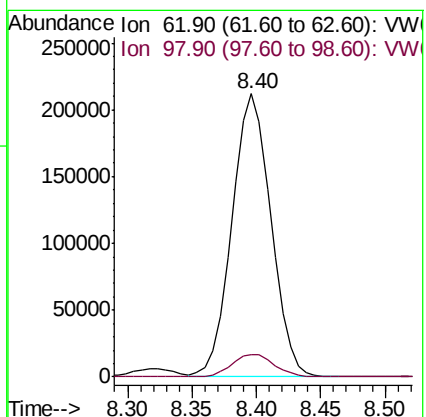
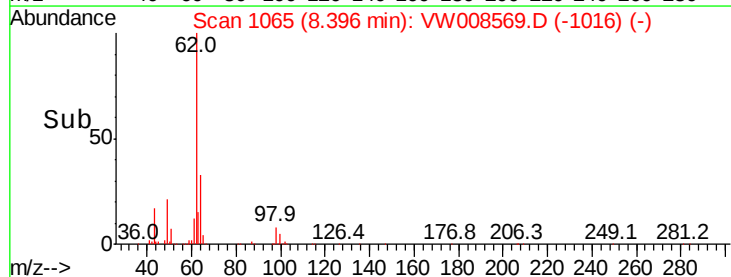
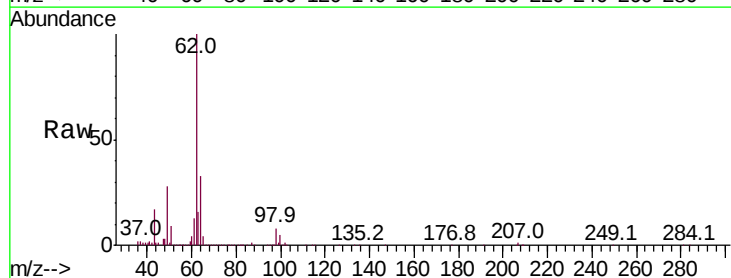
Delta R.T. -0.00 min

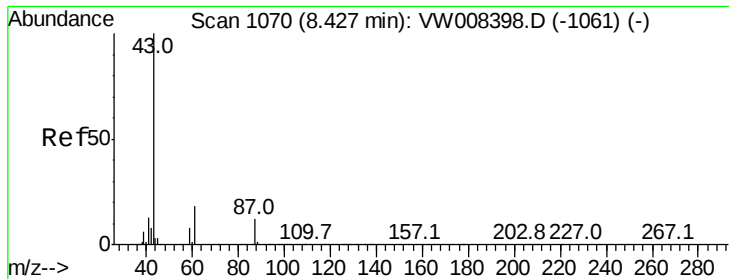
Lab File: VW008569.D

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

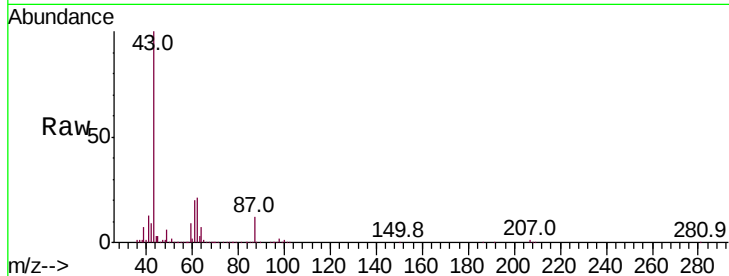
Tot Ion: 43 Resp: 468076

Ion Ratio Lower Upper

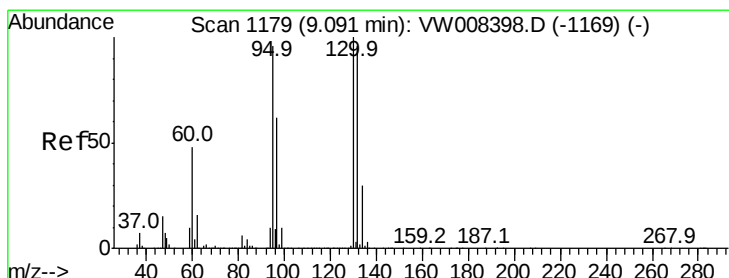
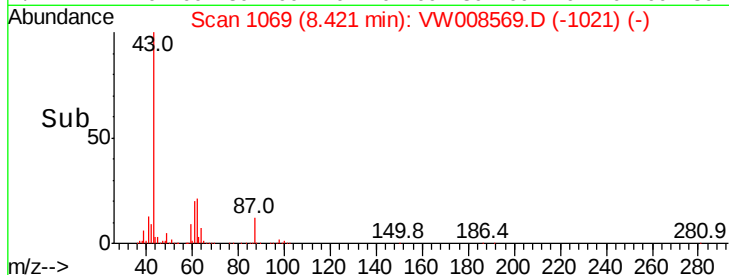
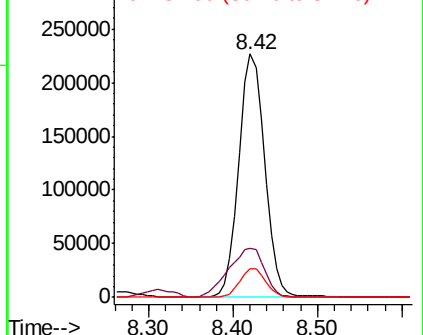
43 100

61 28.0 22.0 33.0

87 12.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.161 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008569.D

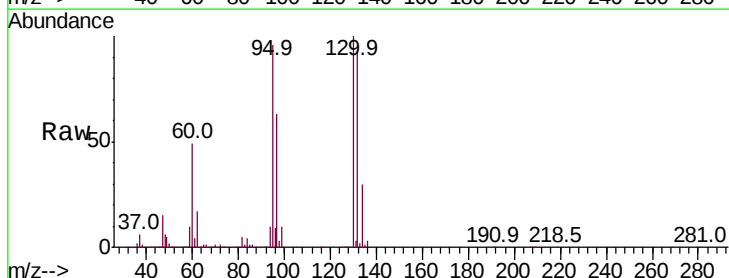
Acq: 08 Feb 2019 12:01

Tgt Ion:130 Resp: 392314

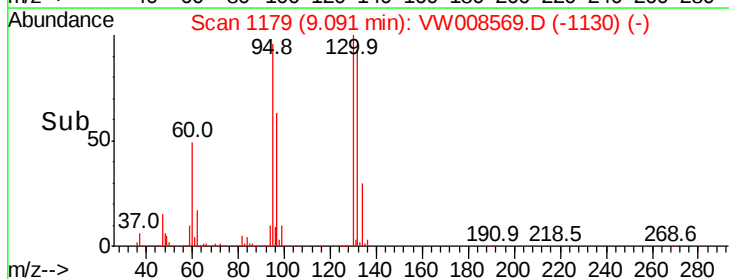
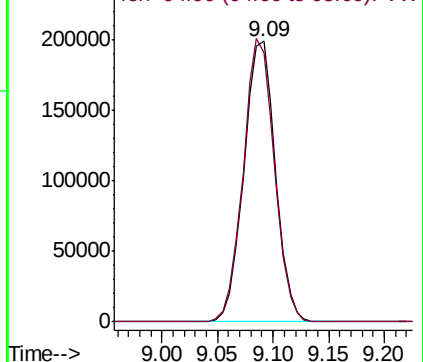
Ion Ratio Lower Upper

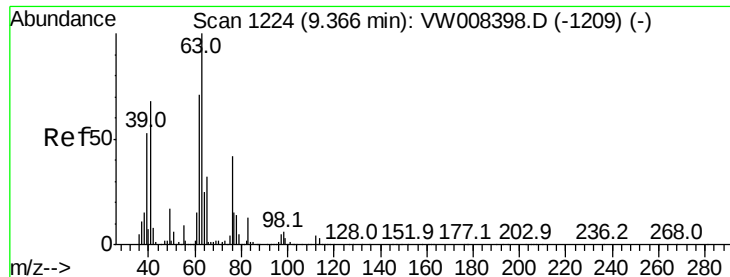
130 100

95 96.1 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#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 :

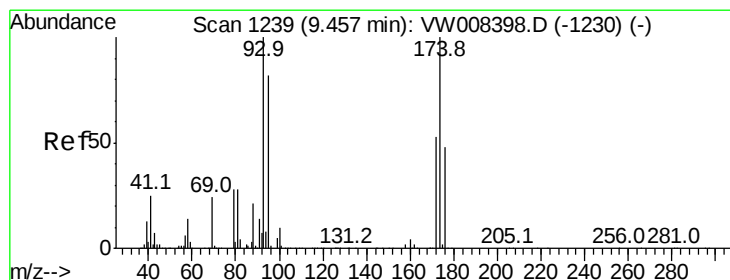
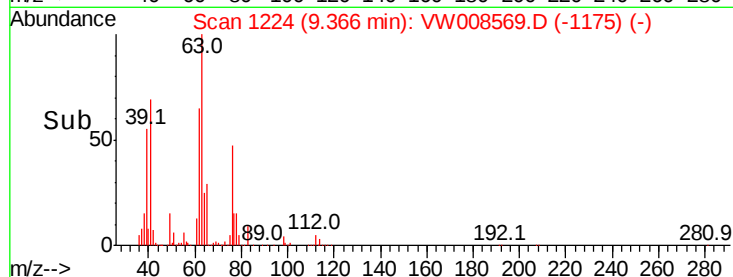
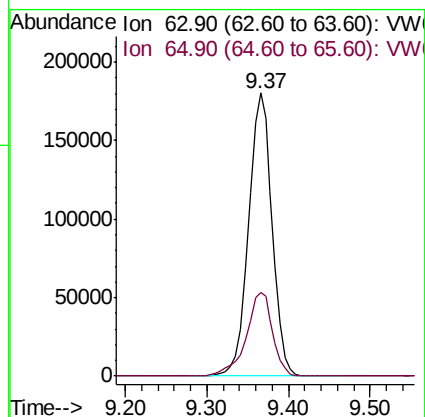
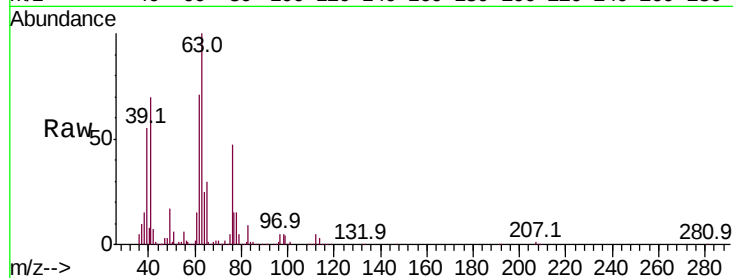
VSTDCCC050

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

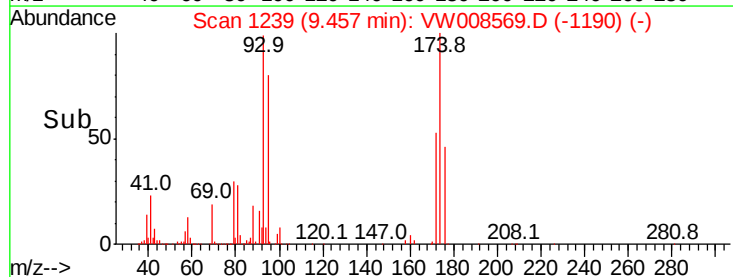
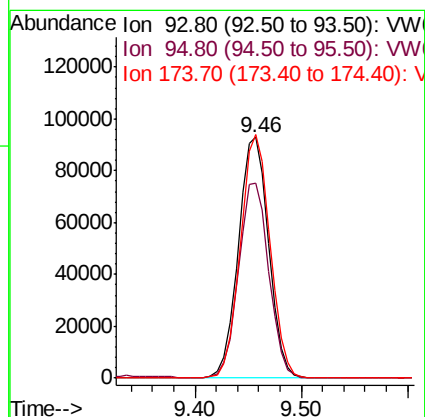
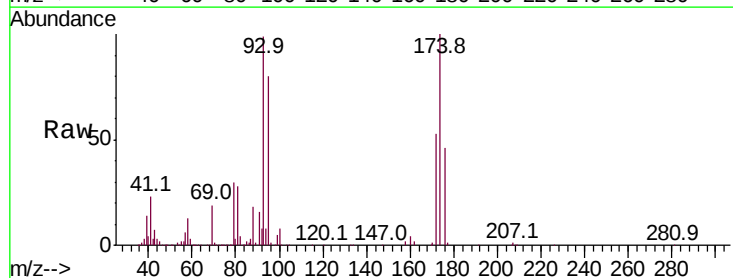
Tgt Ion: 93 Resp: 185352

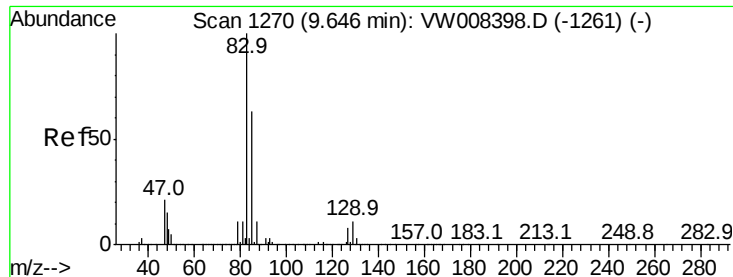
Ion Ratio Lower Upper

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

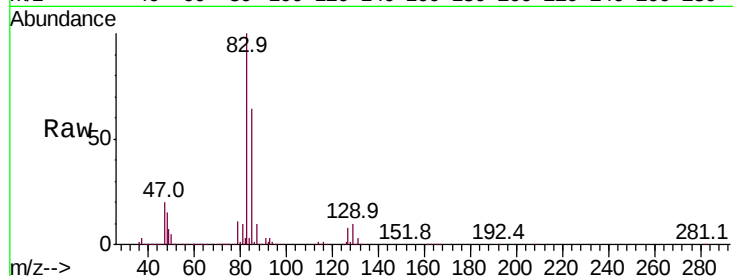
Tot Ion: 83 Resp: 501764

Ion Ratio Lower Upper

83 100

85 63.9 50.8 76.2

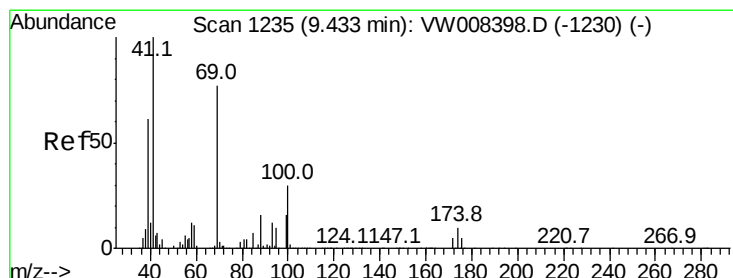
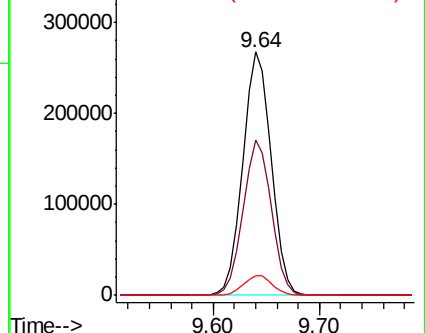
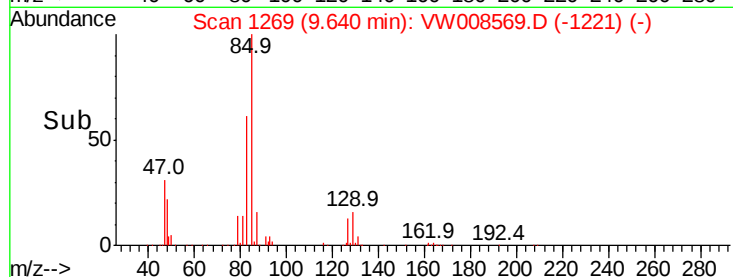
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 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

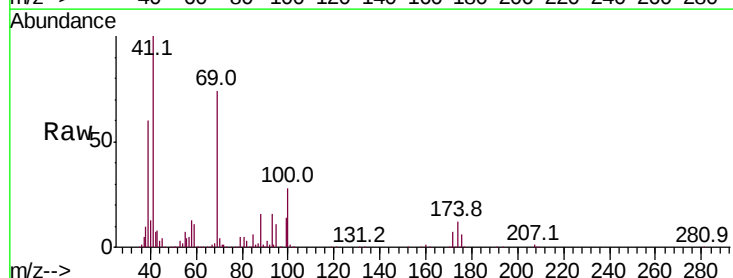
Tgt Ion: 41 Resp: 224684

Ion Ratio Lower Upper

41 100

69 79.6 64.8 97.2

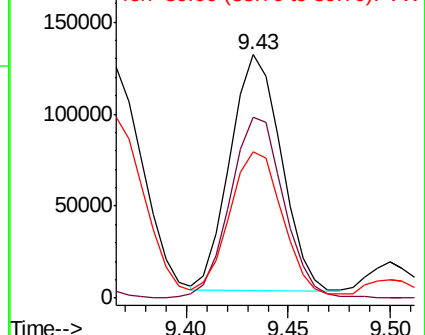
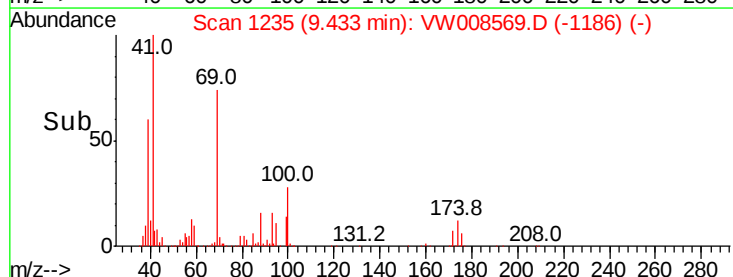
39 61.4 49.1 73.7

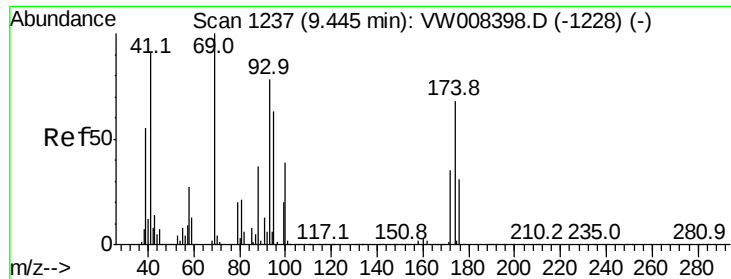


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

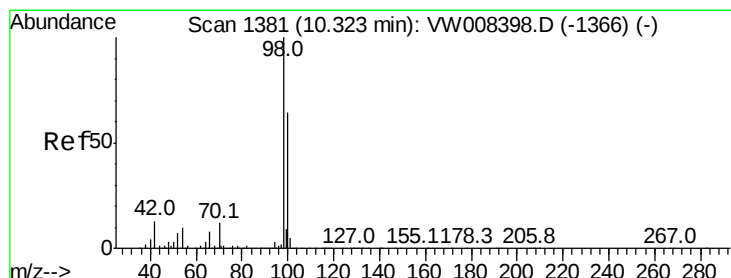
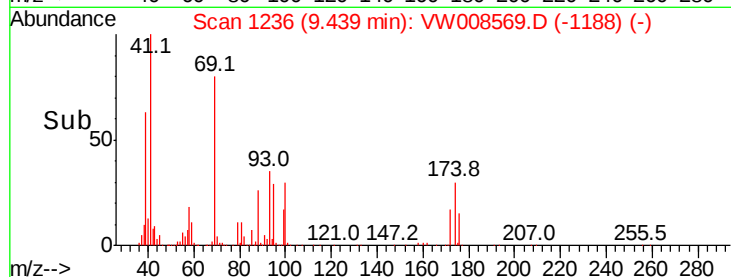
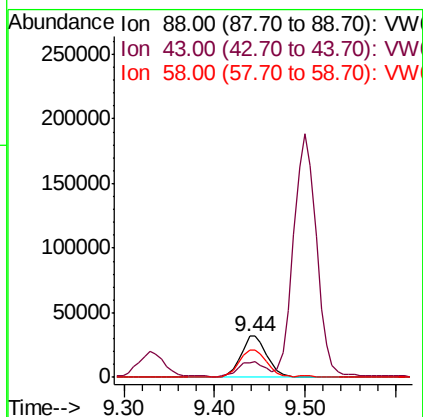
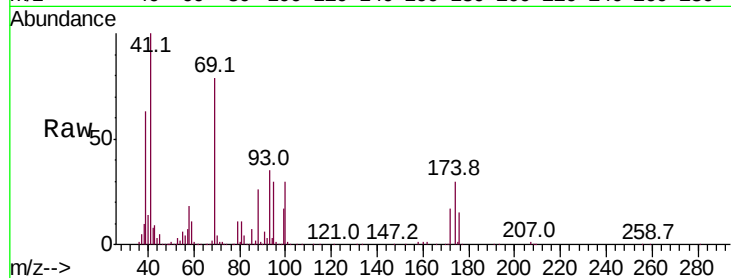




#49
1,4-Dioxane
Concen: 1079.504 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

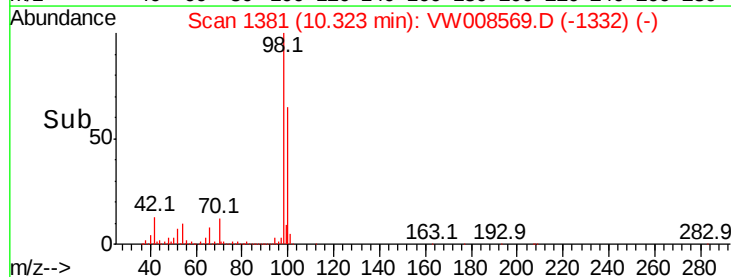
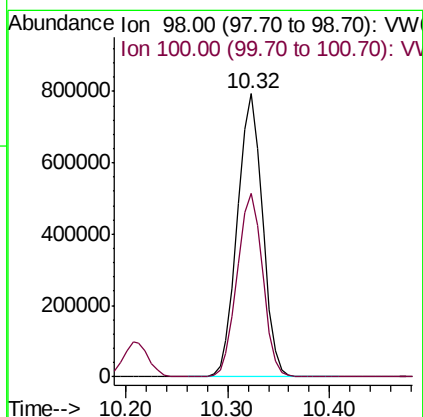
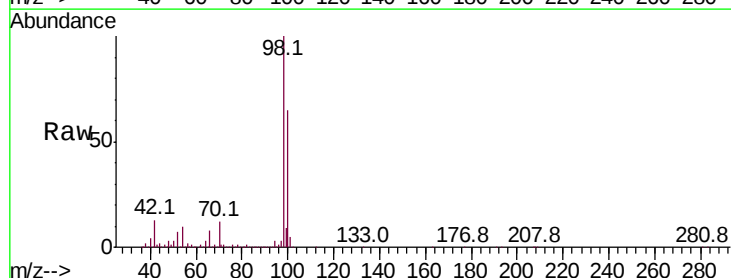
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

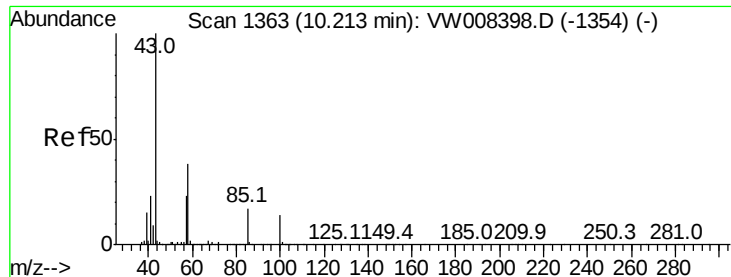
Tot Ion: 88 Resp: 63505
Ion Ratio Lower Upper
88 100
43 36.6 29.0 43.4
58 71.8 56.4 84.6



#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 :

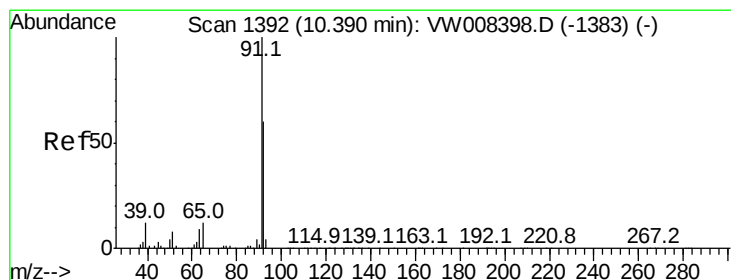
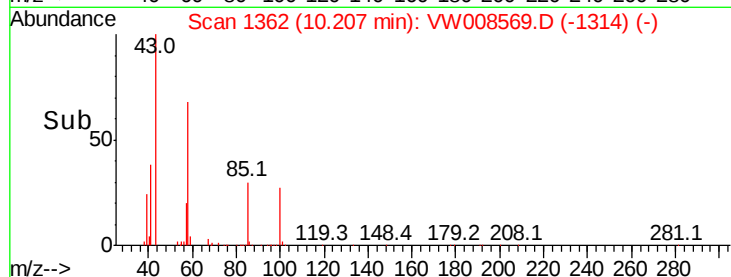
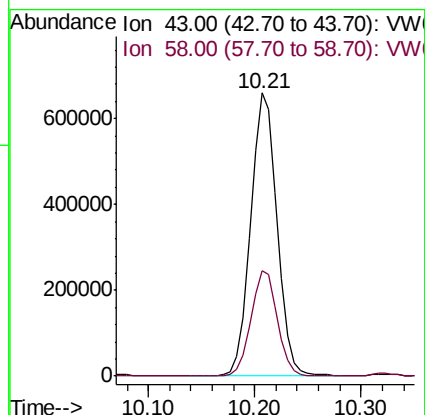
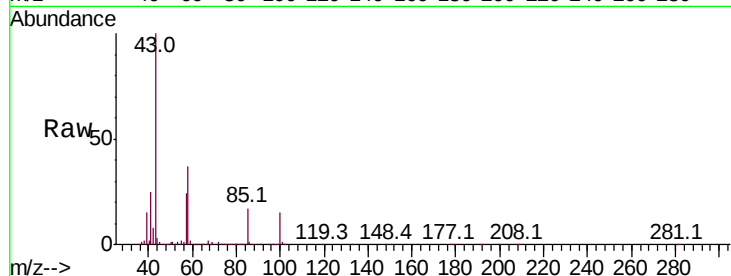
VSTDCCC050

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

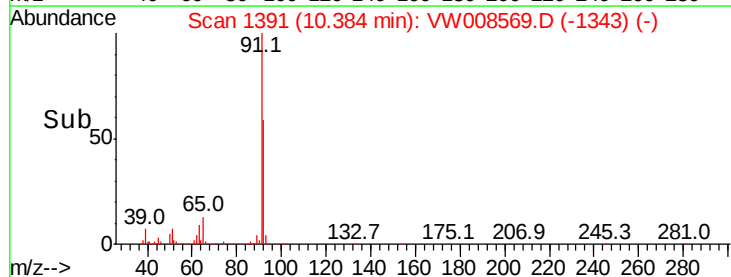
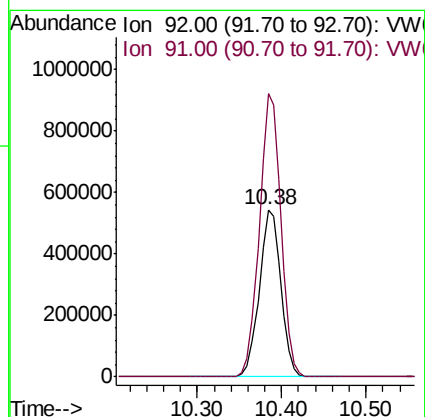
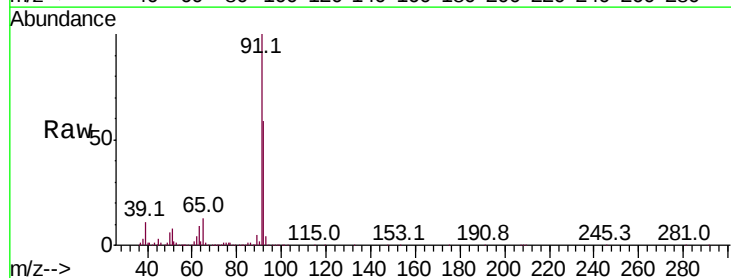
Acq: 08 Feb 2019 12:01

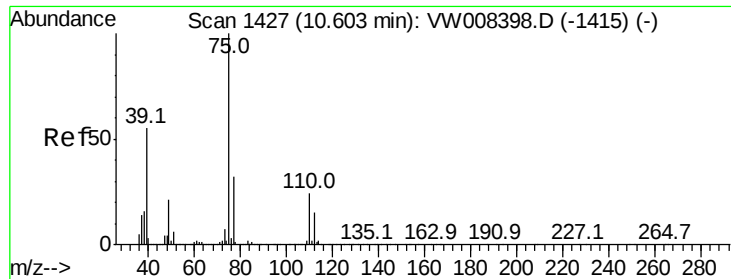
Tgt Ion: 92 Resp: 946513

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 :

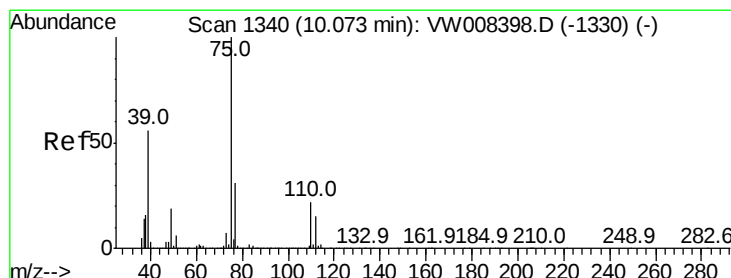
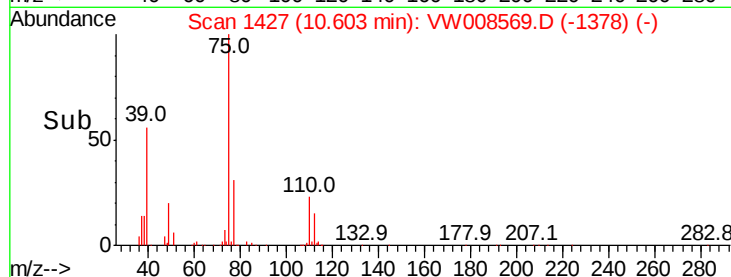
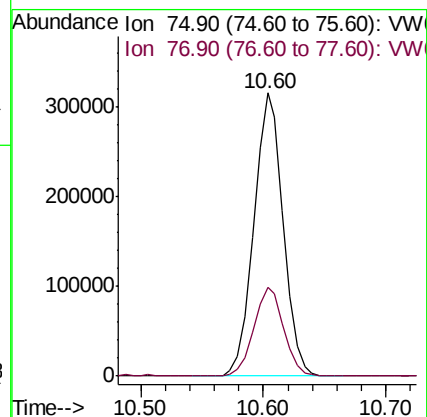
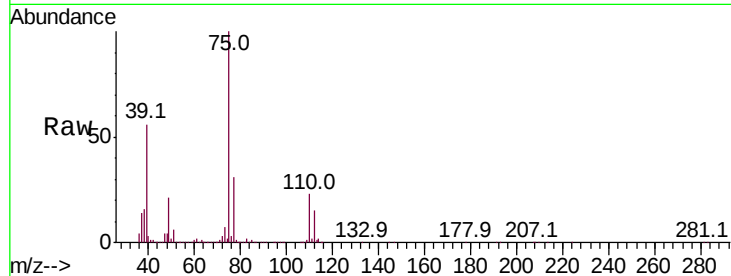
VSTDCCC050

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

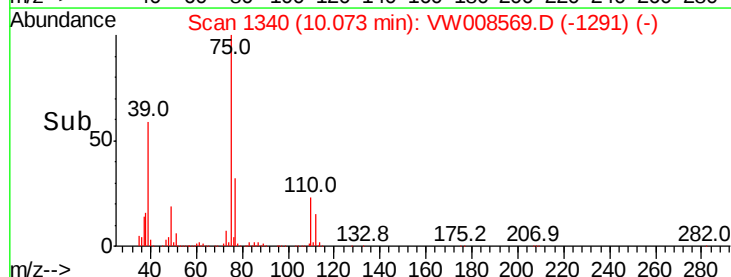
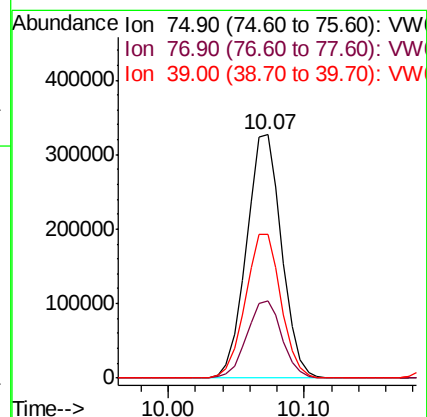
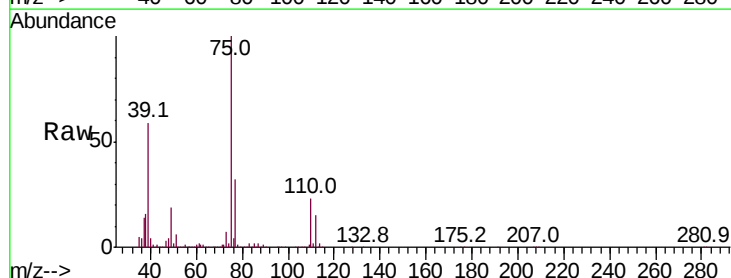
Tgt Ion: 75 Resp: 591384

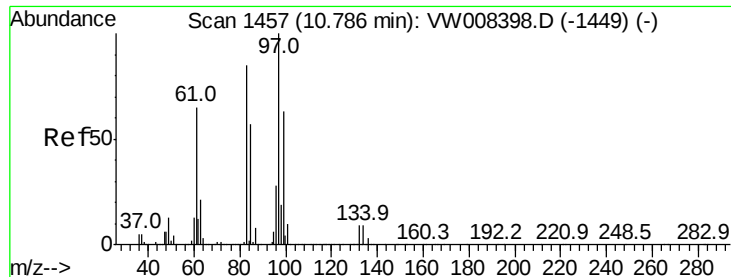
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 58.9 44.9 67.3

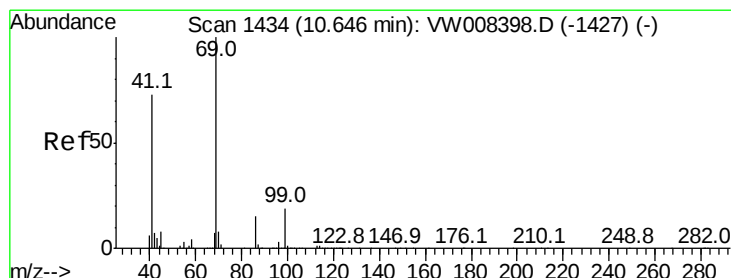
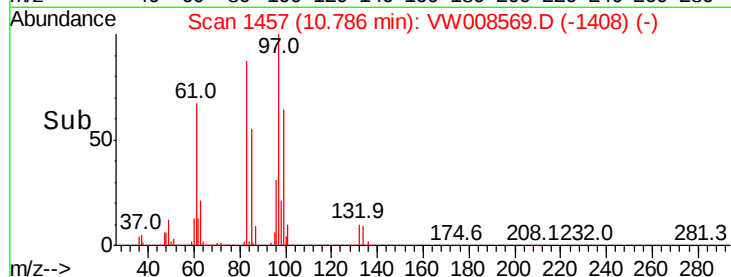
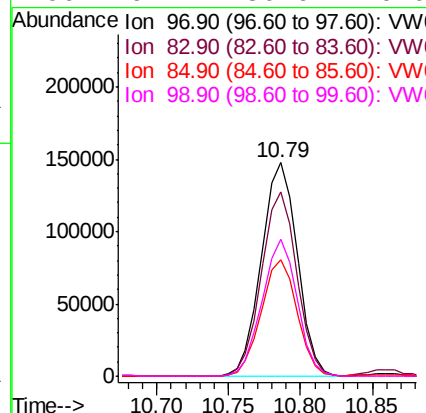
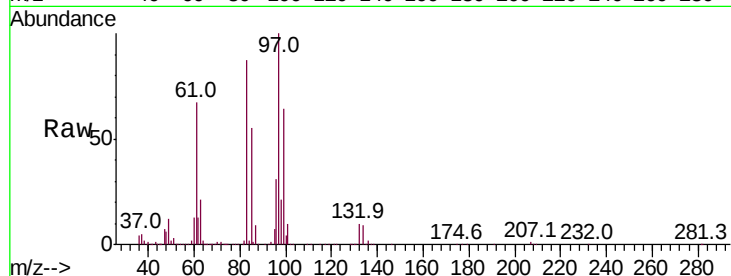




#55
 1,1,2-Trichloroethane
 Concen: 52.942 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

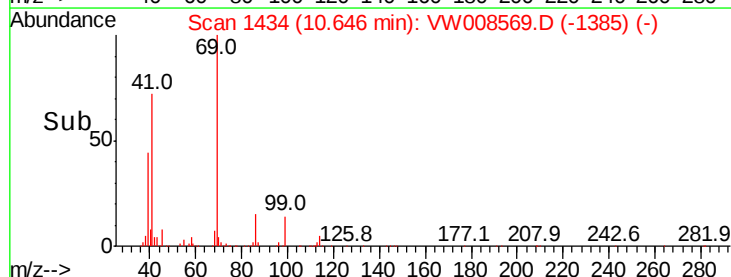
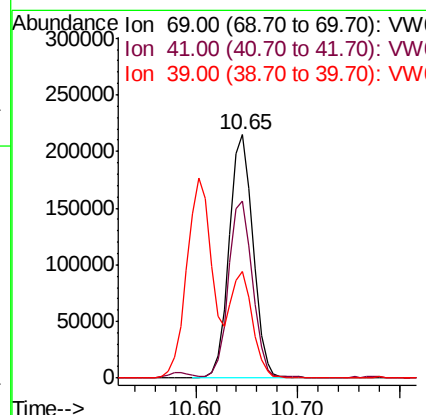
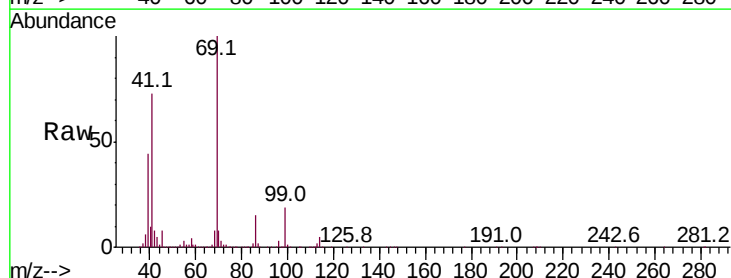
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

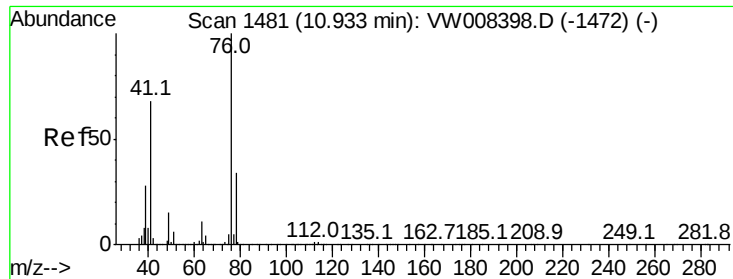
Tot Ion:	97	Resp:	255569
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.4	102.6
85	54.6	45.3	67.9
99	64.2	50.6	76.0



#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 :

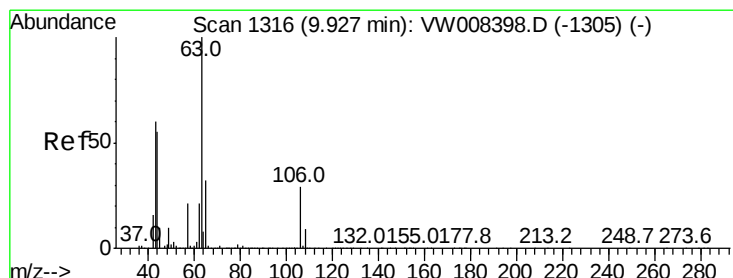
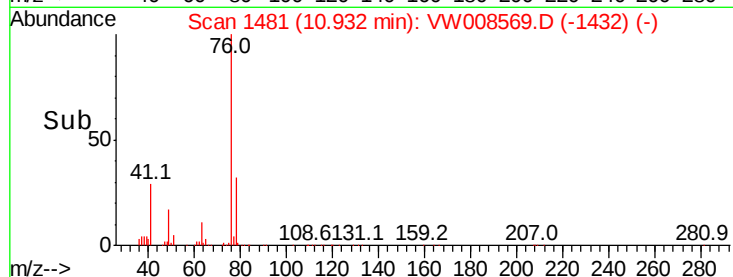
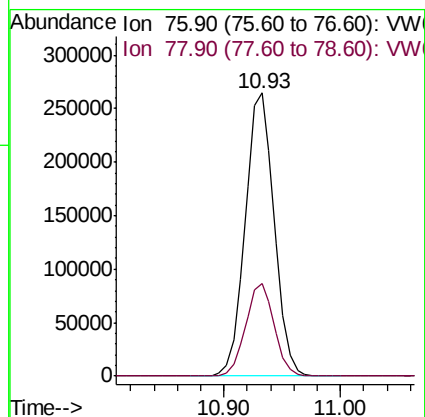
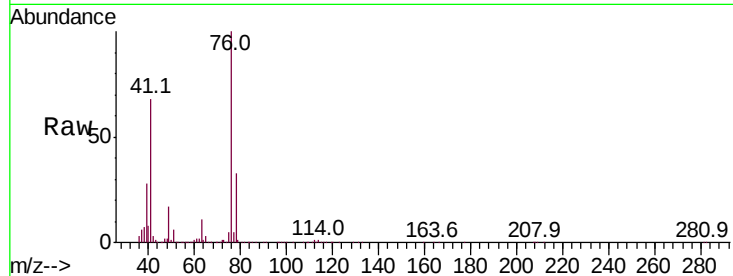
VSTDCCC050

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

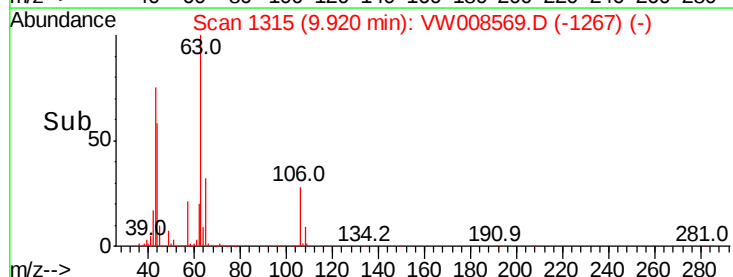
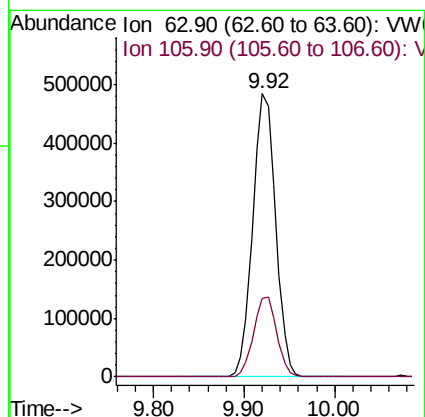
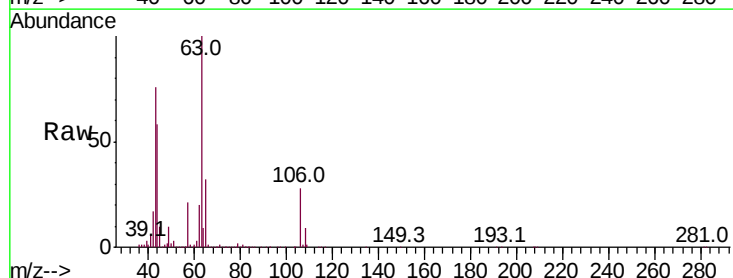
Acq: 08 Feb 2019 12:01

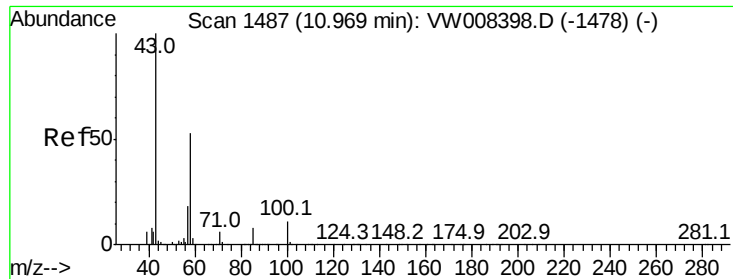
Tgt Ion: 63 Resp: 849396

Ion Ratio Lower Upper

63 100

106 28.5 22.4 33.6

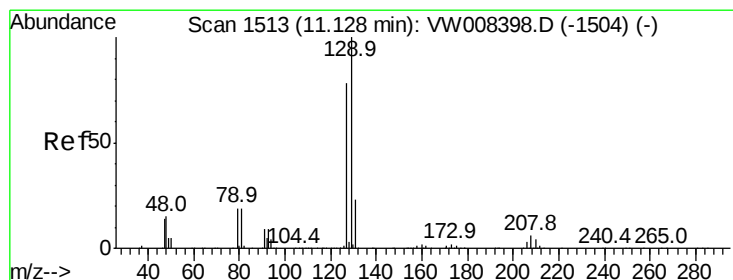
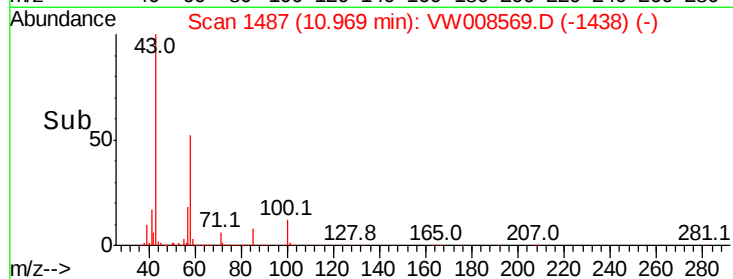
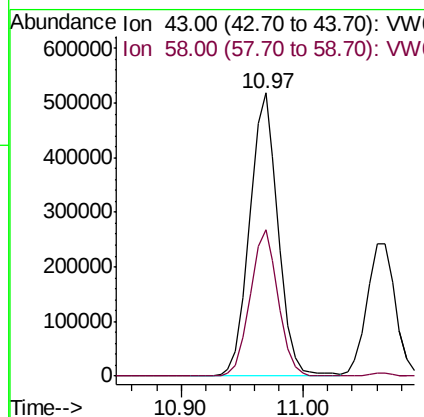
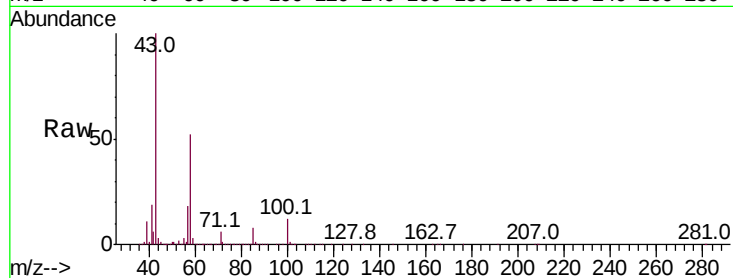




#59
2-Hexanone
Concen: 266.417 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

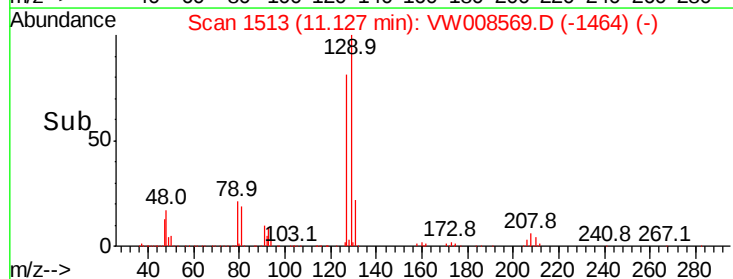
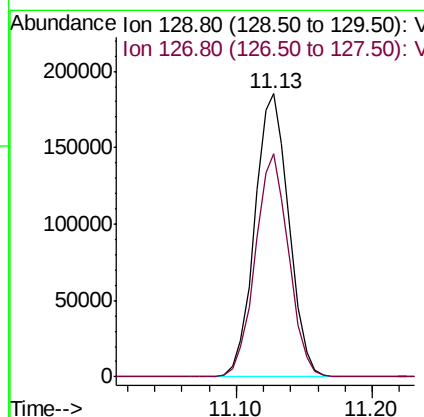
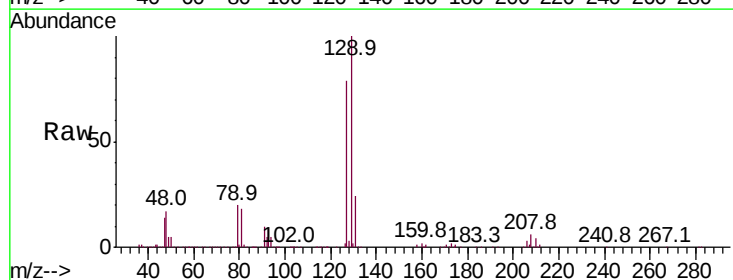
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

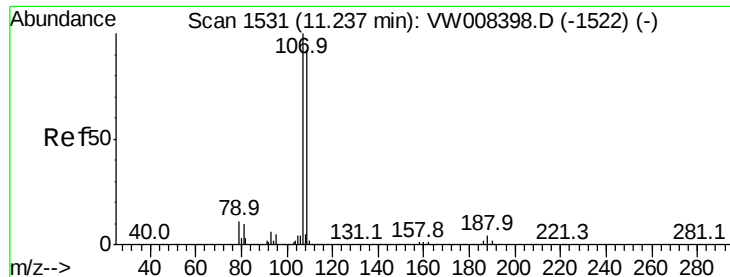
Tot Ion: 43 Resp: 835264
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#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

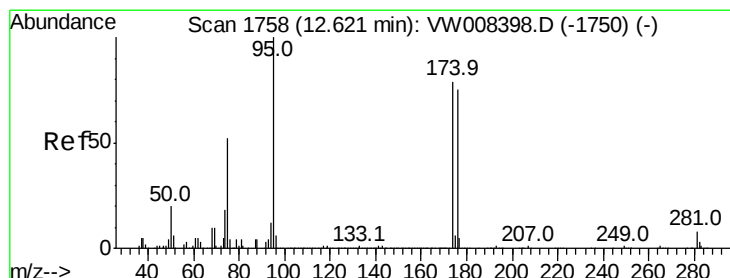
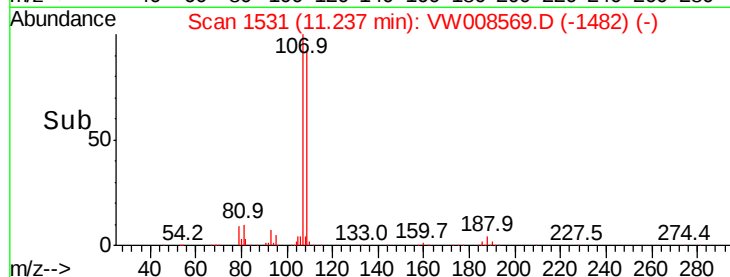
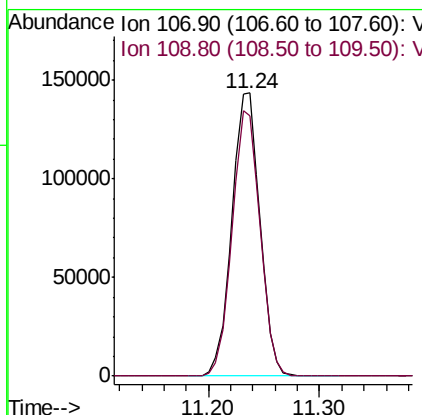
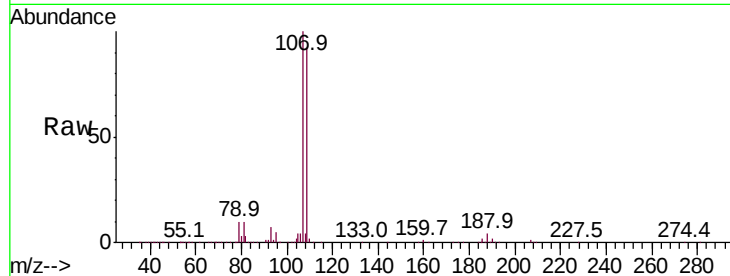




#61
 1,2-Dibromoethane
 Concen: 52.289 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

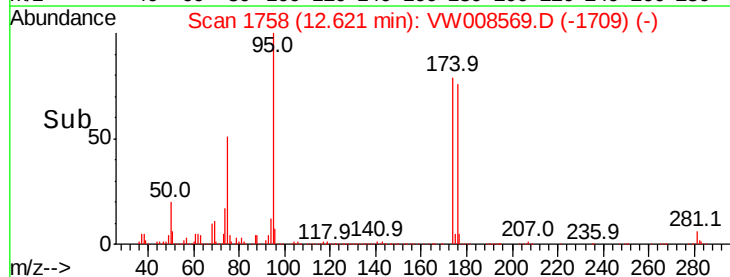
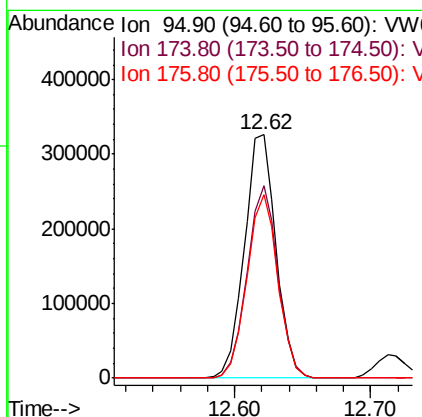
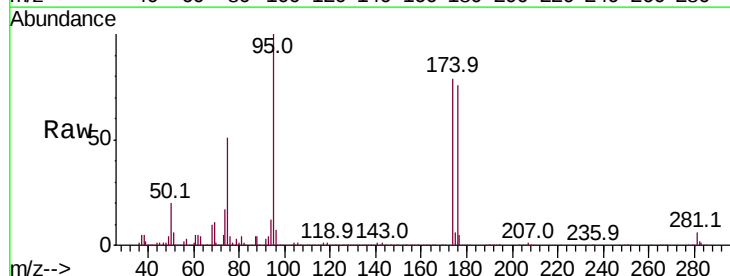
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

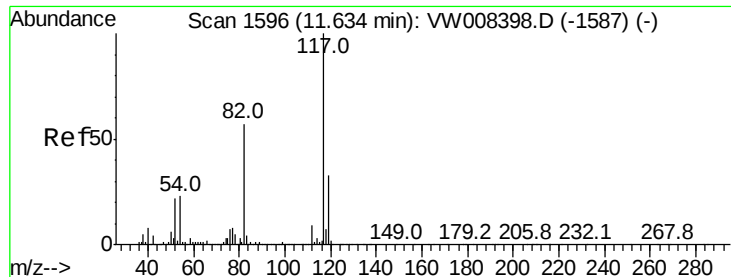
Tot Ion: 107 Resp: 250285
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.4



#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

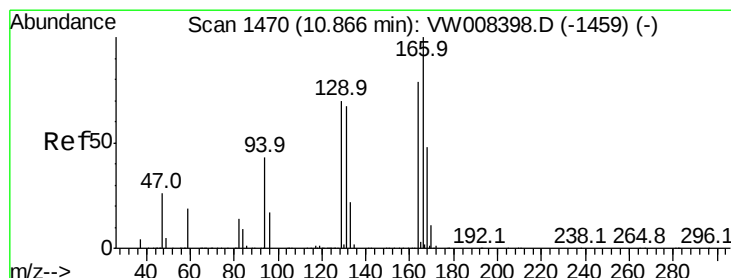
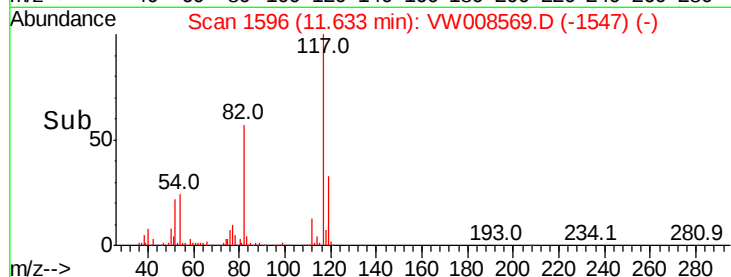
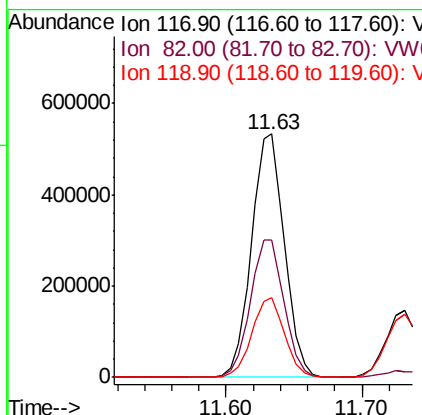
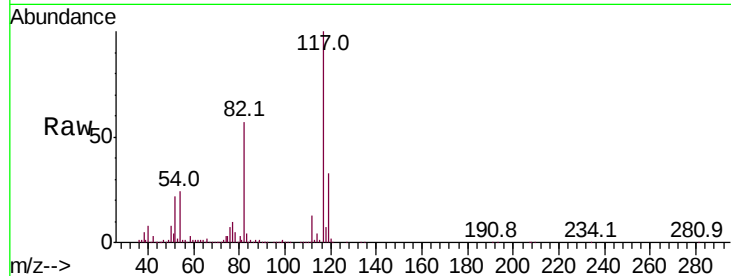




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

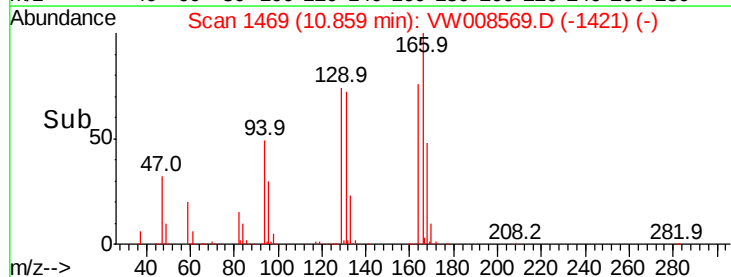
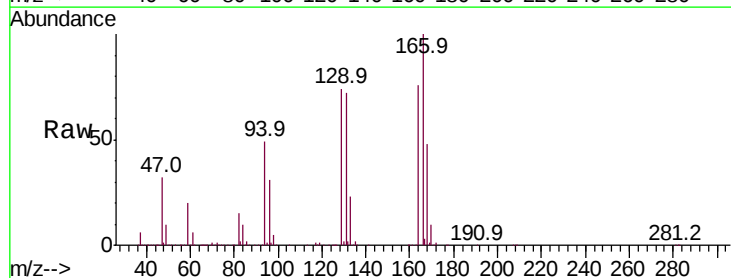
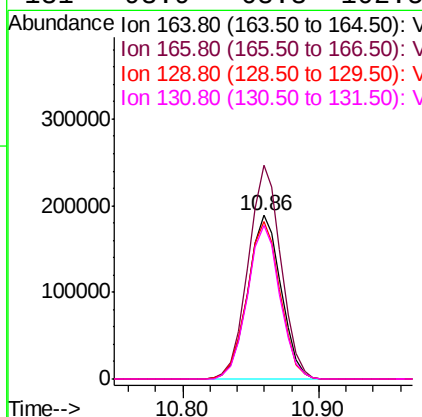
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

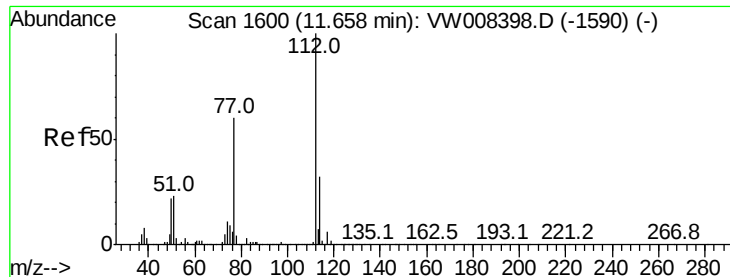
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.0
119	32.8	26.2	39.4



#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

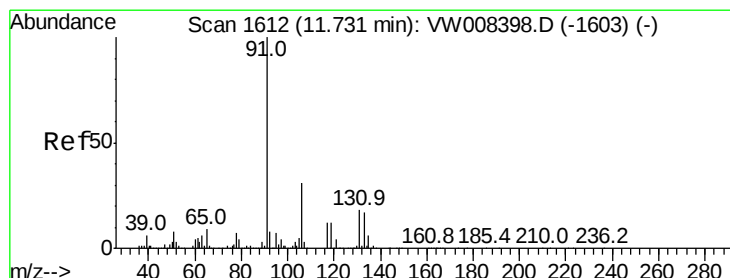
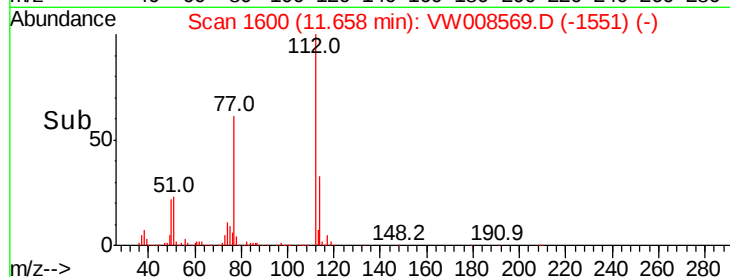
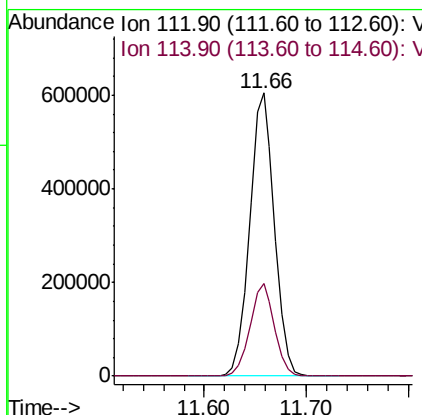
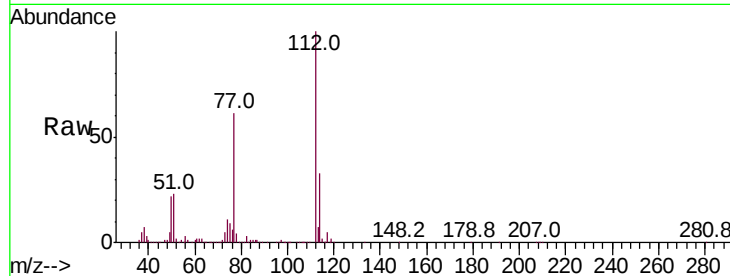




#65
Chlorobenzene
Concen: 54.897 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

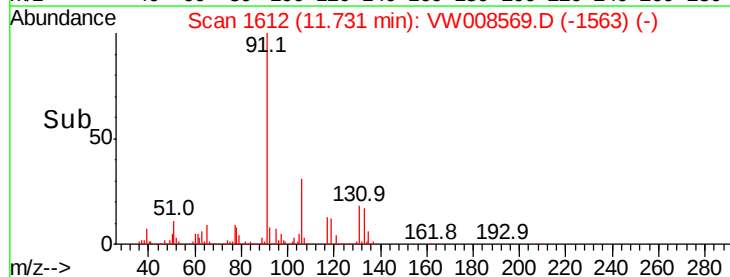
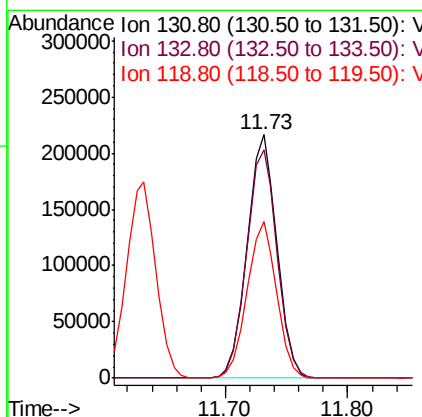
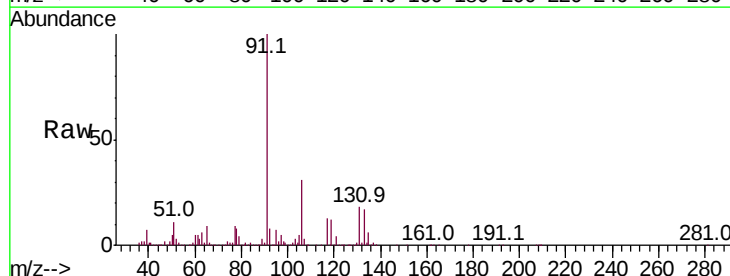
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

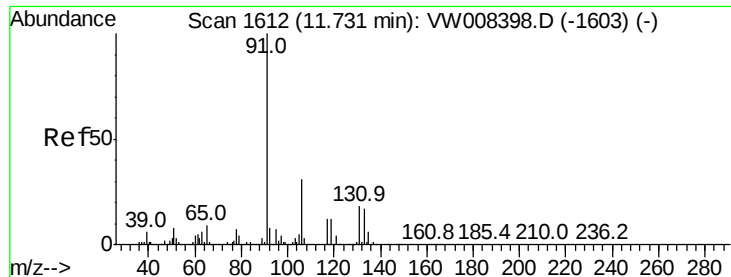
Tot Ion:112 Resp: 1017815
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#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

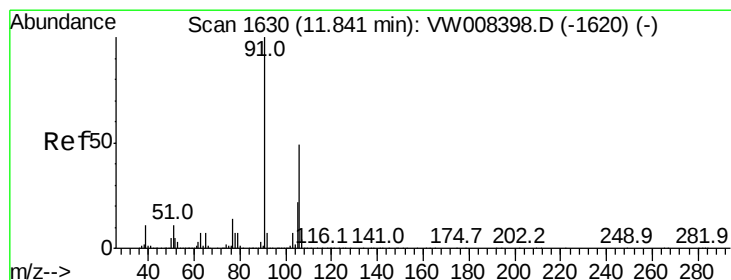
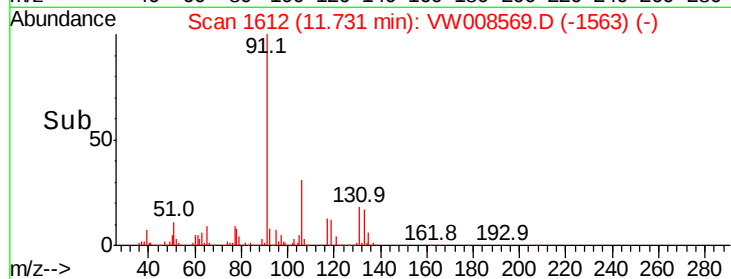
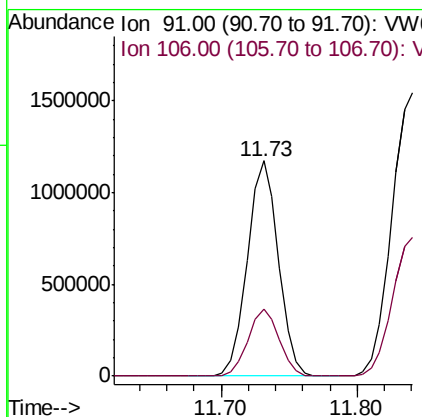
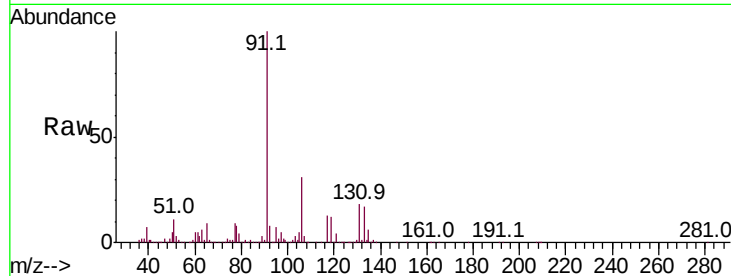




#67
Ethyl Benzene
Concen: 54.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

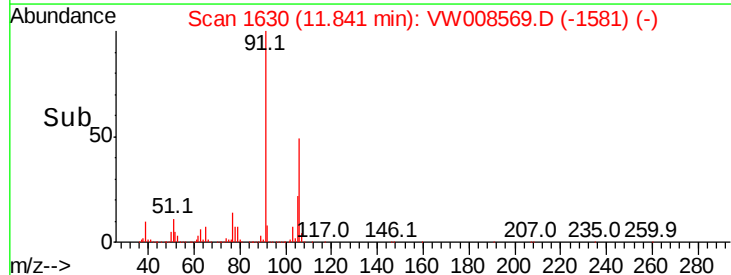
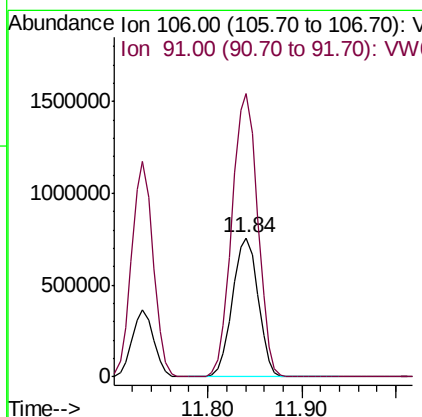
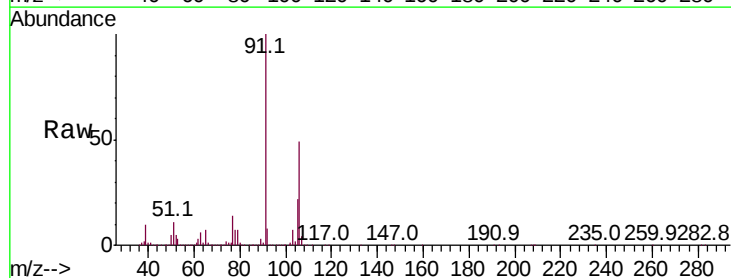
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

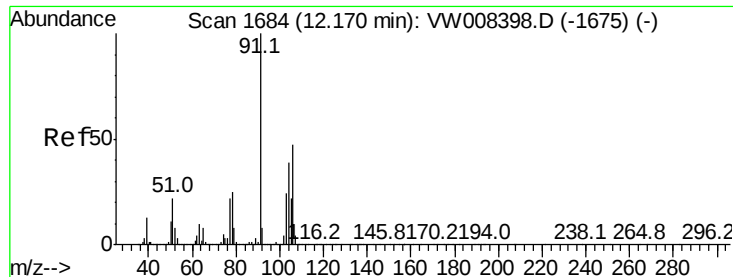
Tot Ion: 91 Resp: 1874149
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#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

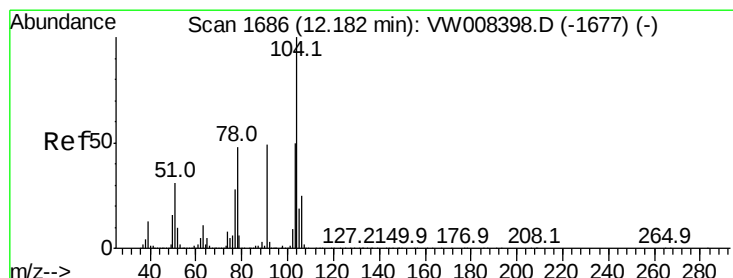
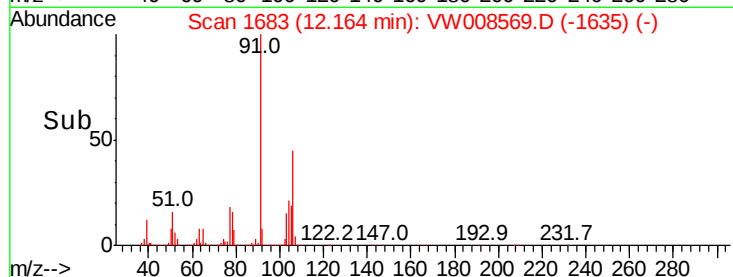
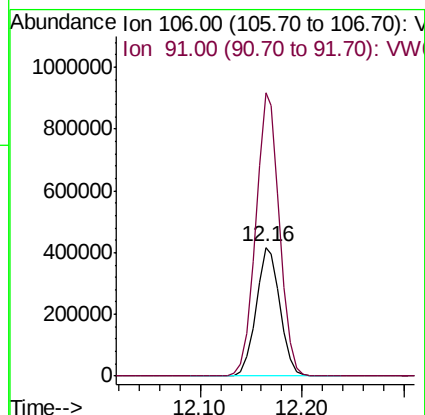
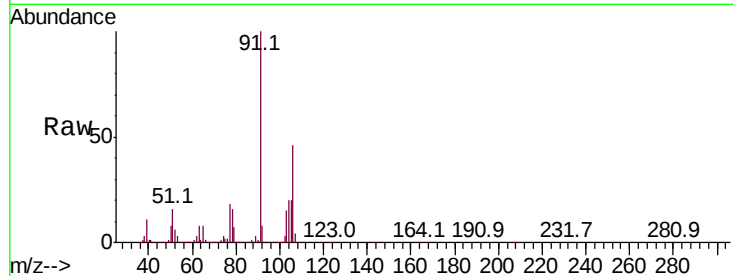




#69
o-Xylene
Concen: 54.149 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

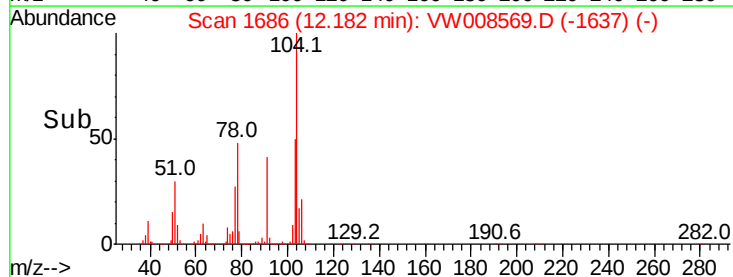
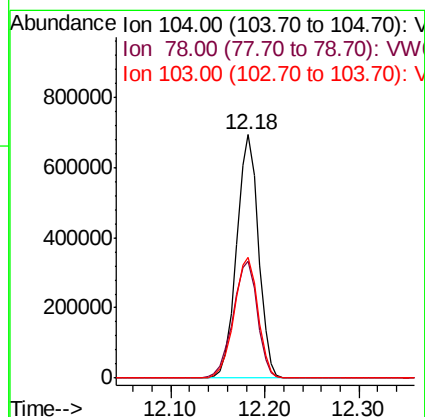
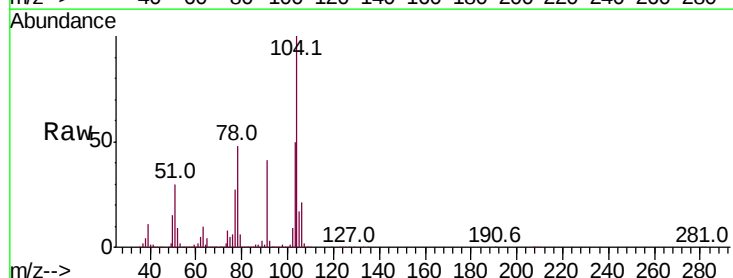
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

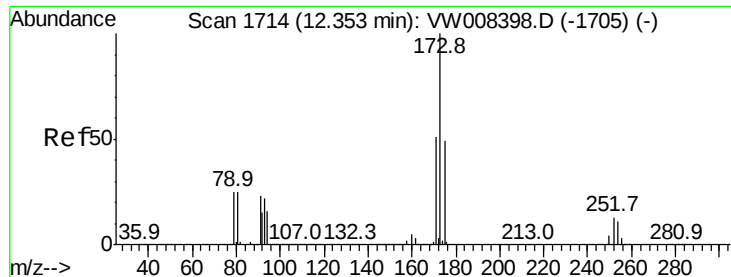
Tot Ion:106 Resp: 680327
Ion Ratio Lower Upper
106 100
91 217.9 107.5 322.4



#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

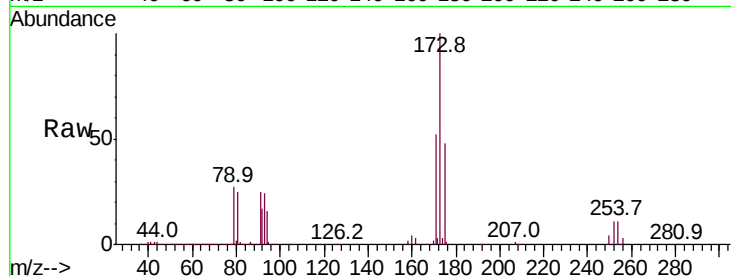
Tot Ion:173 Resp: 195315

Ion Ratio Lower Upper

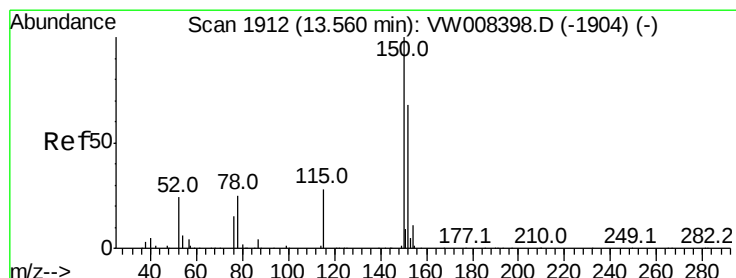
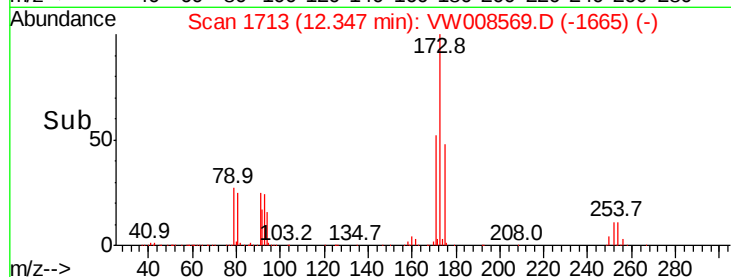
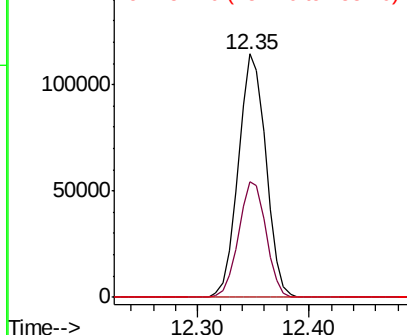
173 100

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

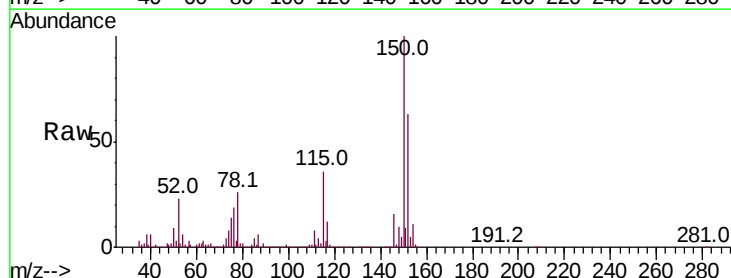
Tgt Ion:152 Resp: 480466

Ion Ratio Lower Upper

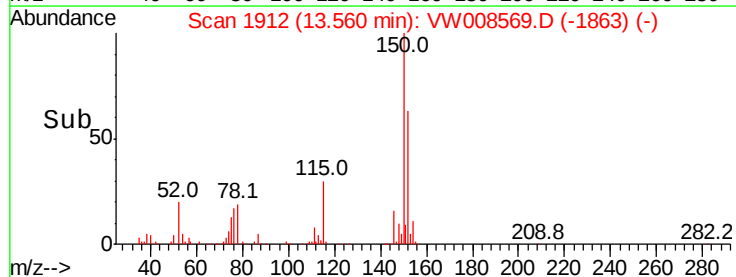
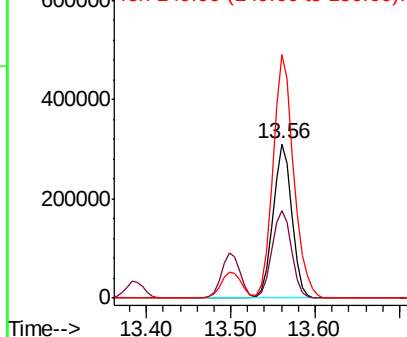
152 100

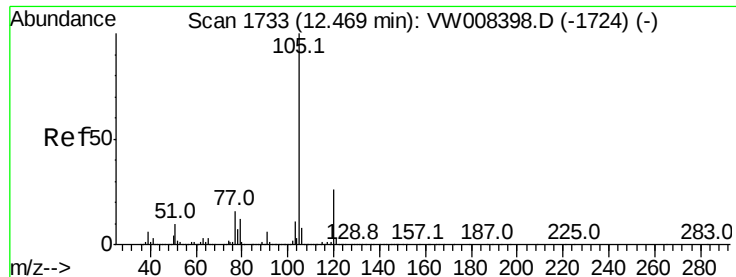
115 58.8 29.9 89.7

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

ClientSampleId :

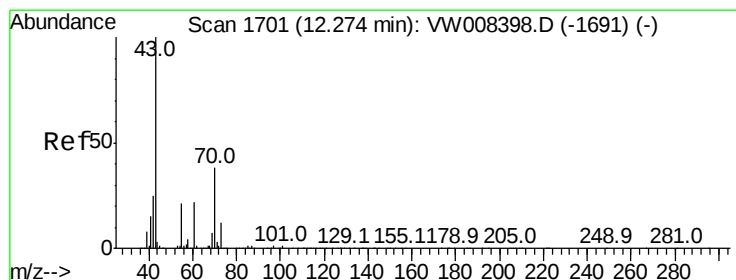
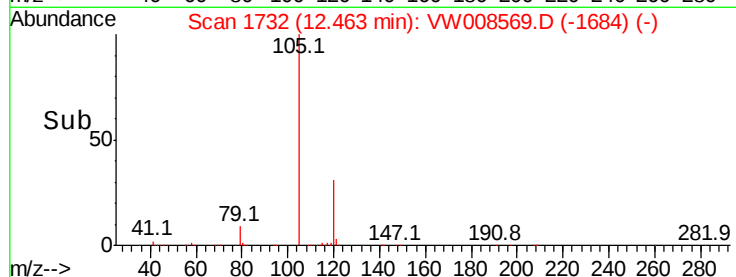
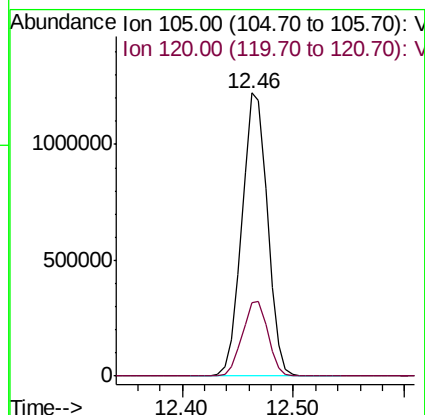
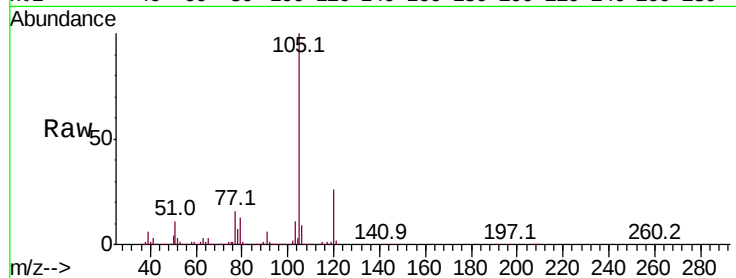
VSTDCCC050

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

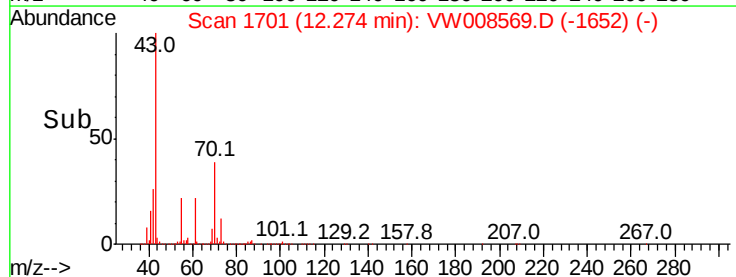
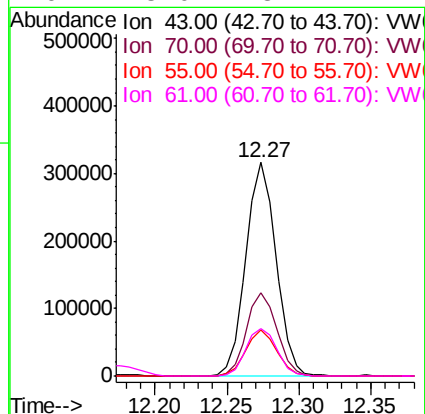
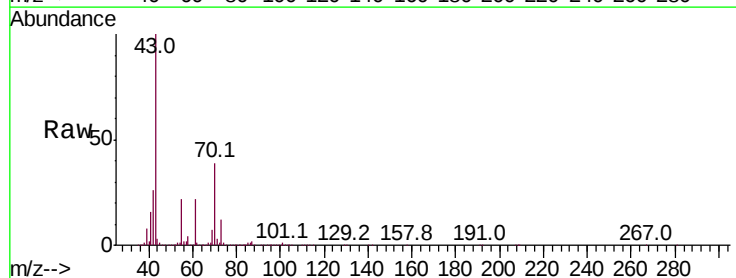
Ion Ratio Lower Upper

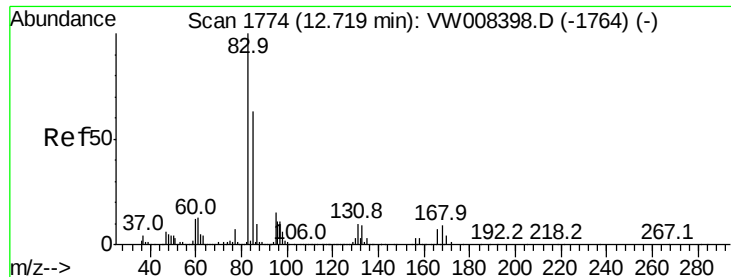
43 100

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

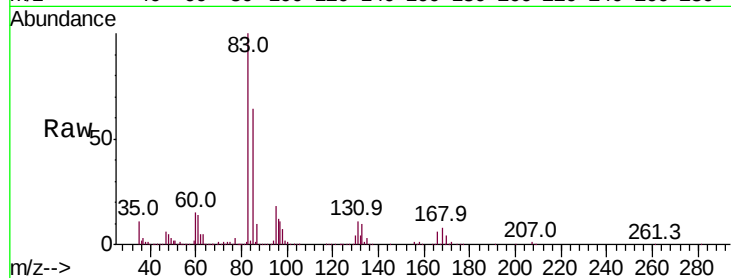
Tot Ion: 83 Resp: 294880

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

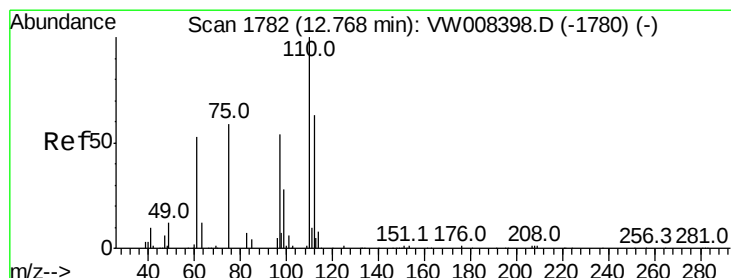
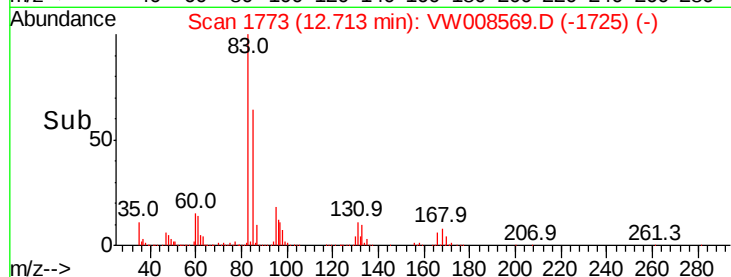
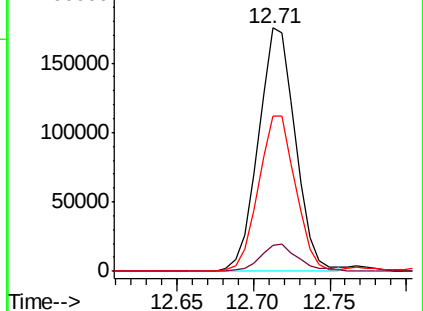
85 64.1 31.9 95.5



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: 101.209 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008569.D

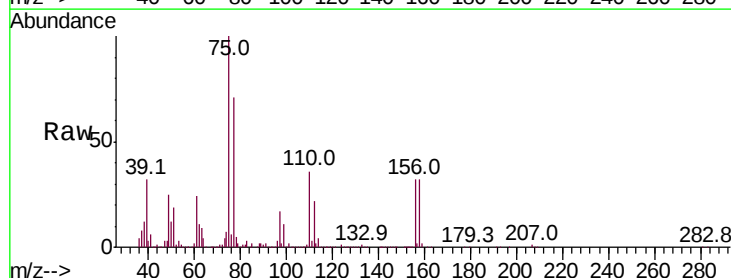
Acq: 08 Feb 2019 12:01

Tgt Ion: 75 Resp: 422783

Ion Ratio Lower Upper

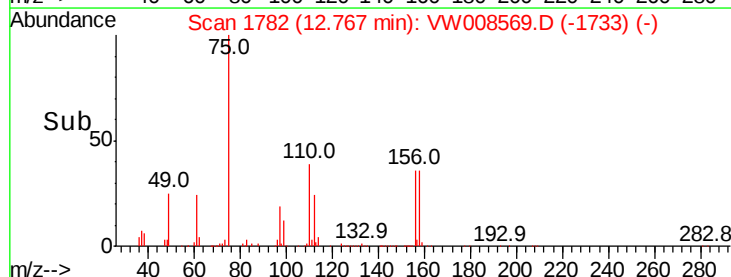
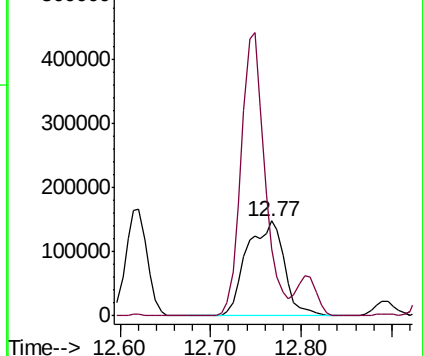
75 100

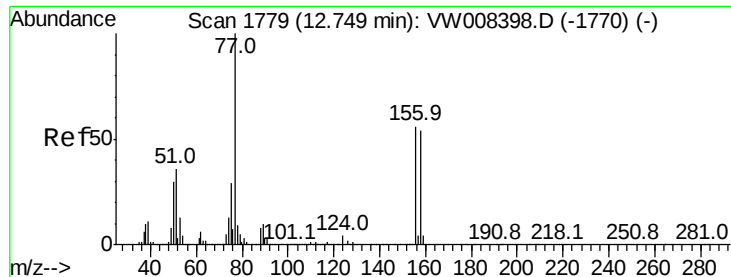
77 190.6 180.7 542.1



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

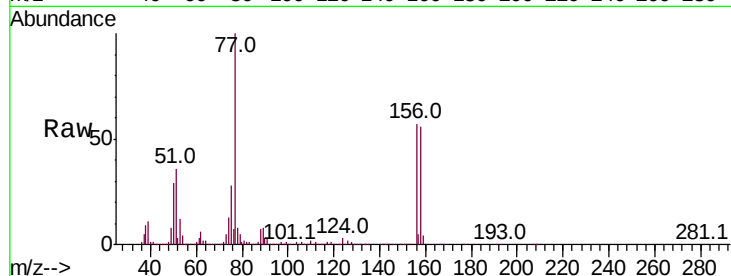
Tot Ion:156 Resp: 414245

Ion Ratio Lower Upper

156 100

77 194.5 96.9 290.7

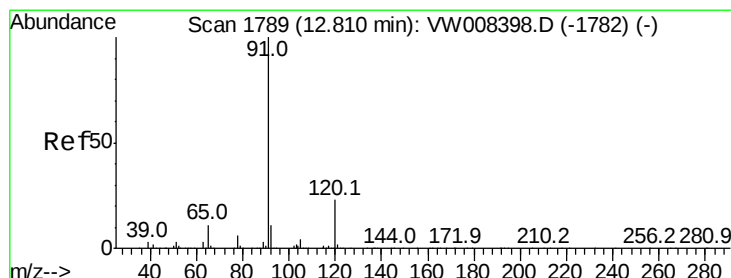
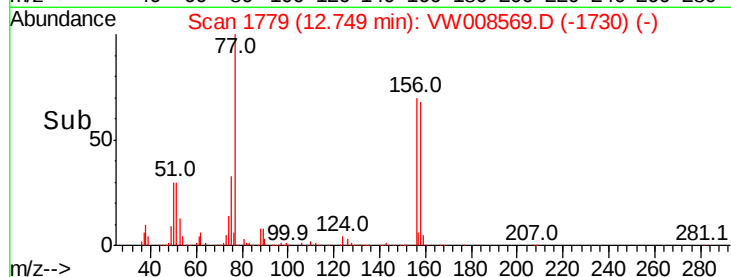
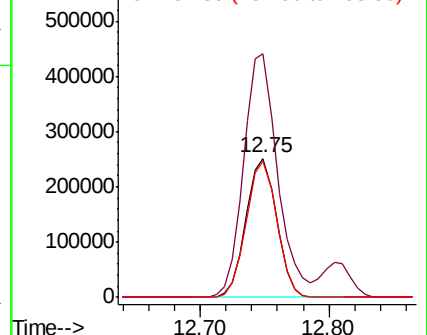
158 97.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): 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

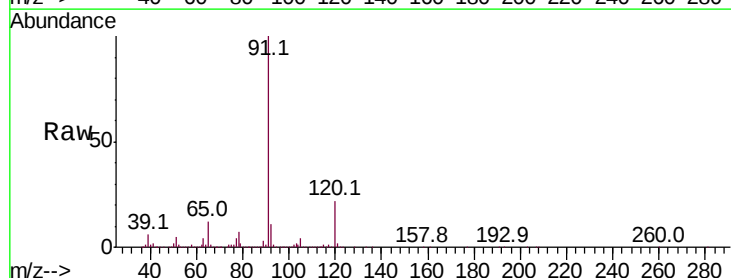
Acq: 08 Feb 2019 12:01

Tgt Ion: 91 Resp: 2338817

Ion Ratio Lower Upper

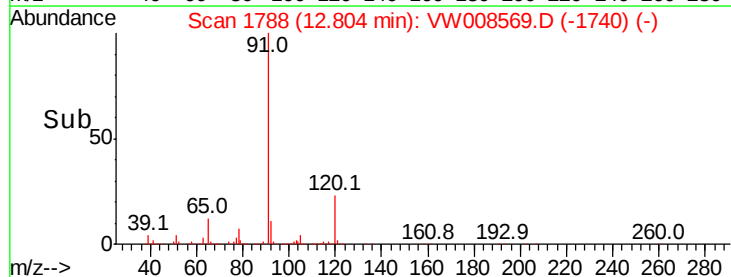
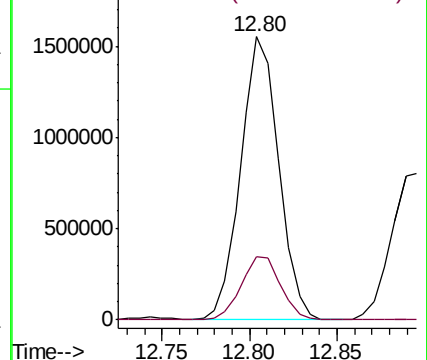
91 100

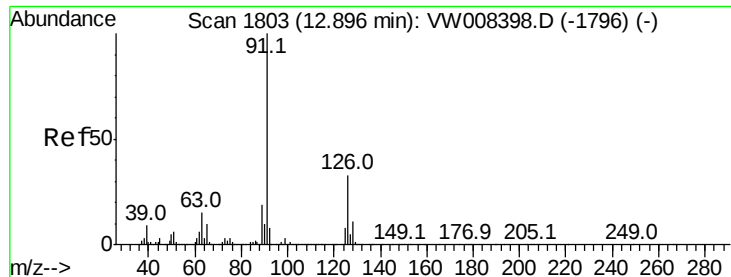
120 23.1 11.4 34.1



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 :

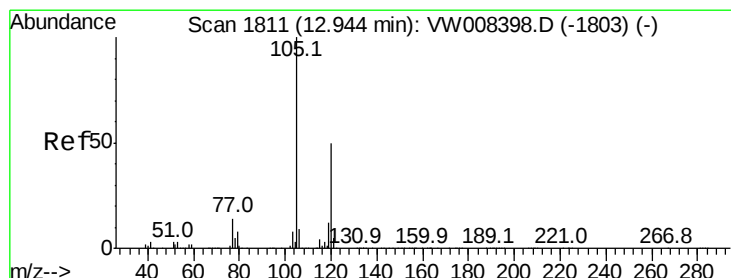
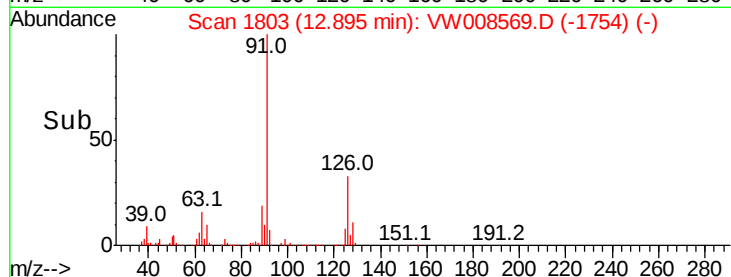
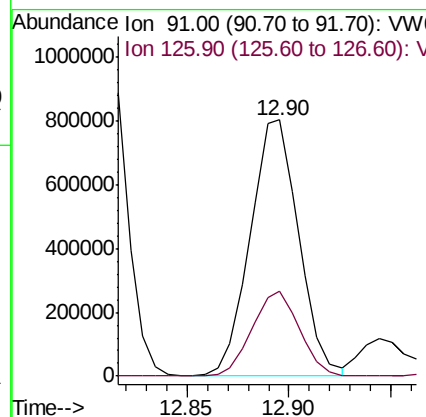
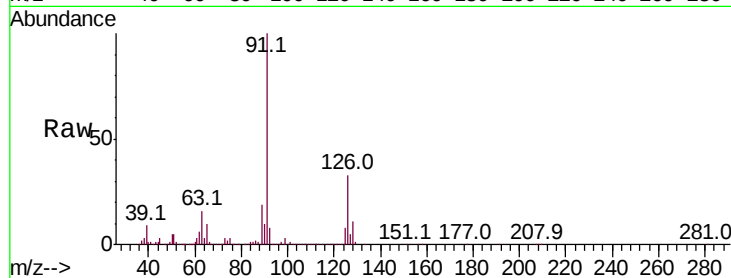
VSTDCCC050

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

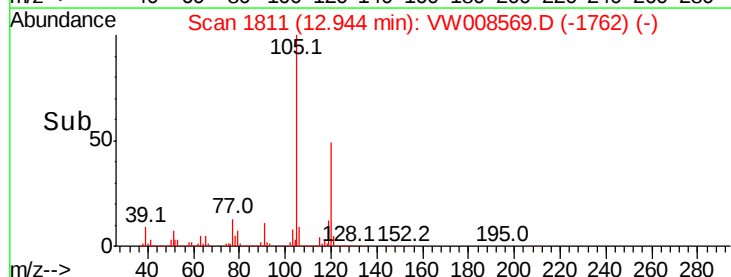
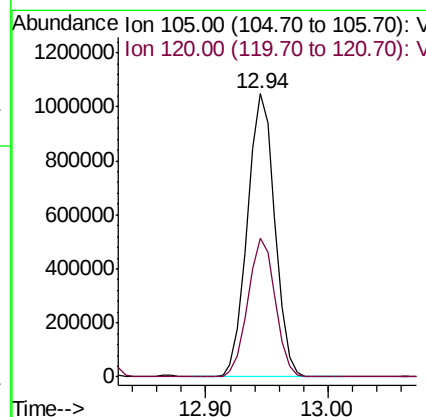
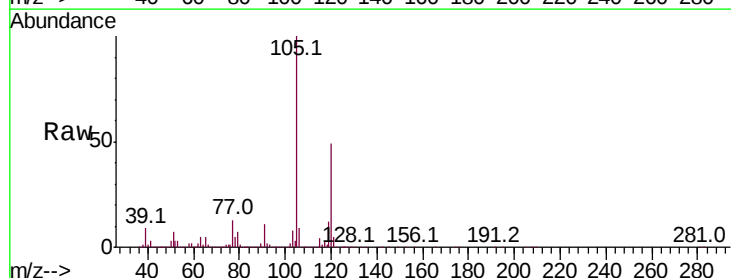
Acq: 08 Feb 2019 12:01

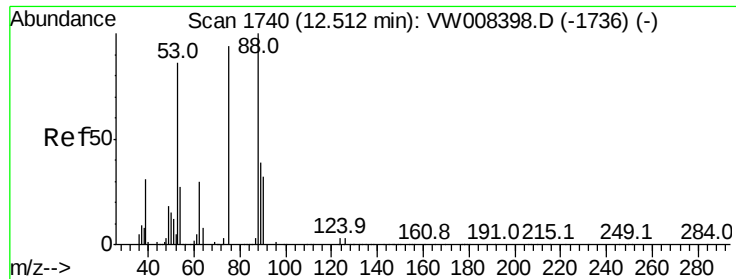
Tgt Ion:105 Resp: 1630742

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 :

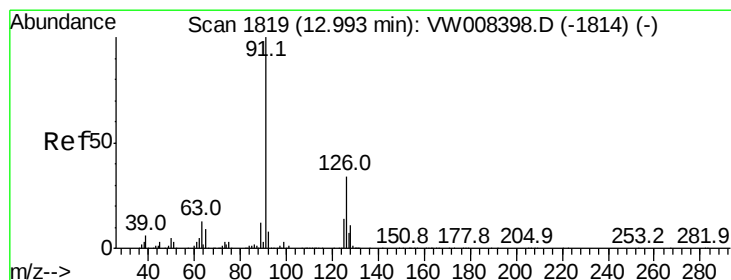
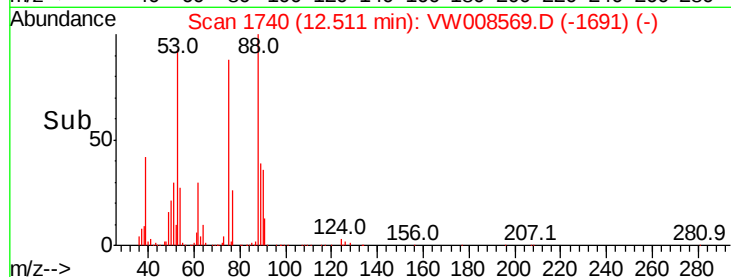
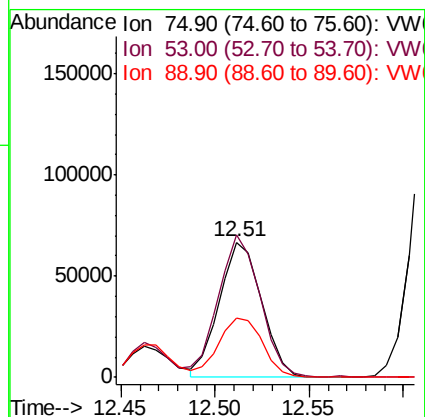
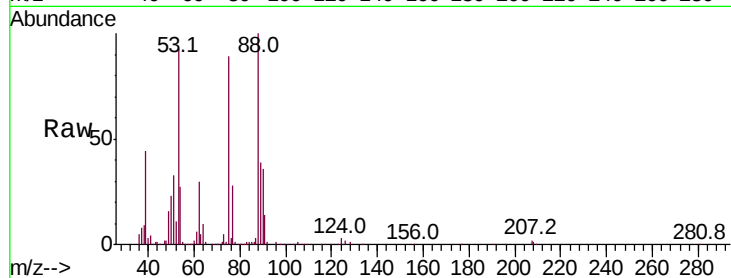
MSVOA_W

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

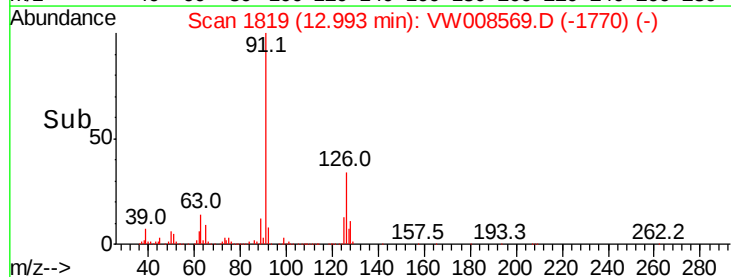
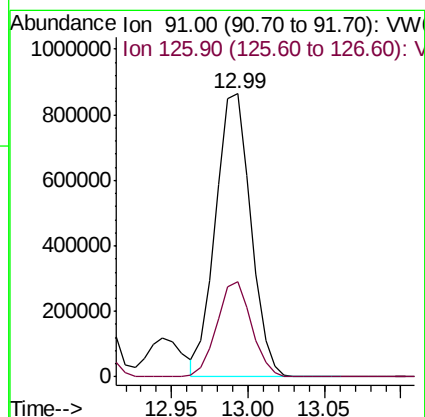
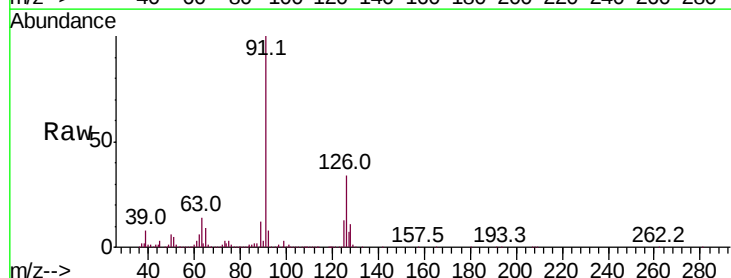
Delta R.T. -0.00 min

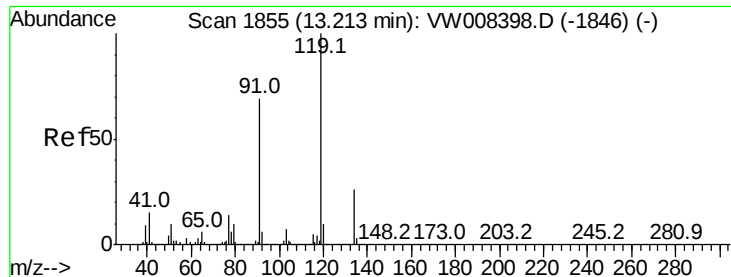
Lab File: VW008569.D

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

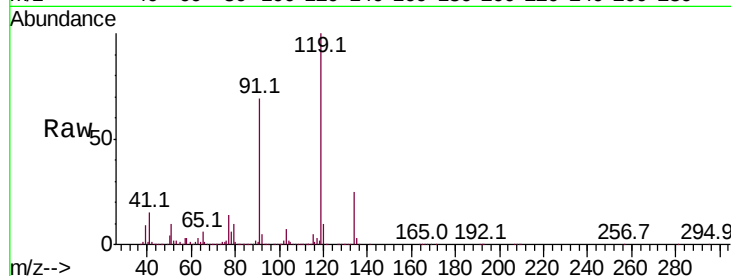
Tot Ion:119 Resp: 1431007

Ion Ratio Lower Upper

119 100

91 69.3 33.8 101.4

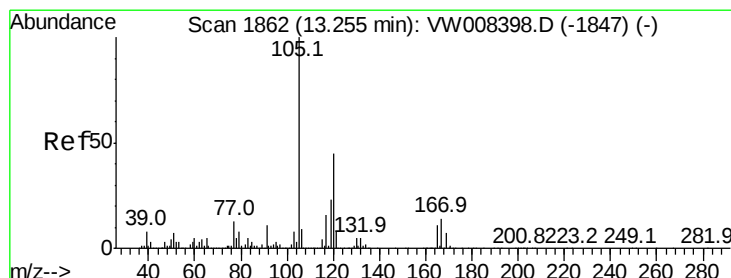
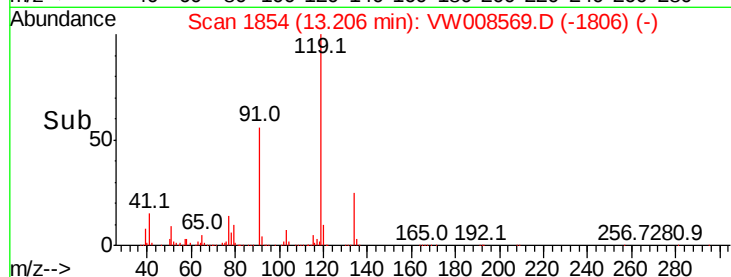
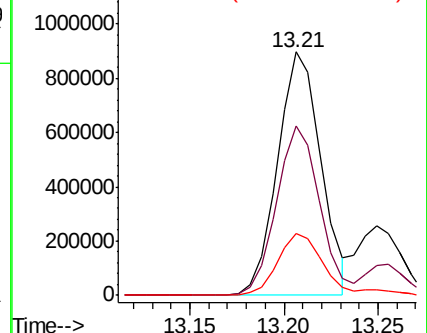
134 27.4 13.5 40.4



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

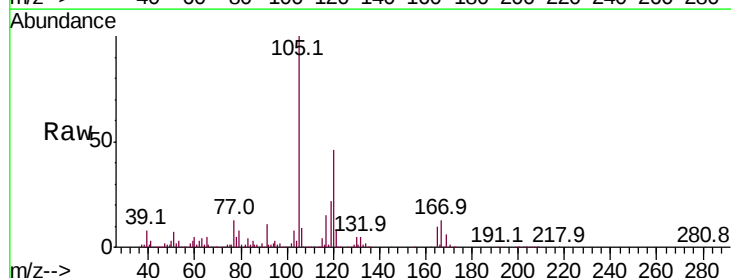
Acq: 08 Feb 2019 12:01

Tgt Ion:105 Resp: 1655380

Ion Ratio Lower Upper

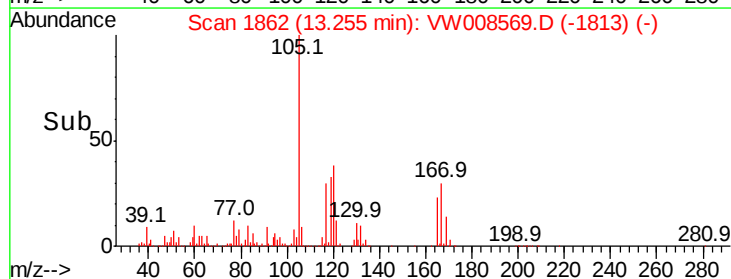
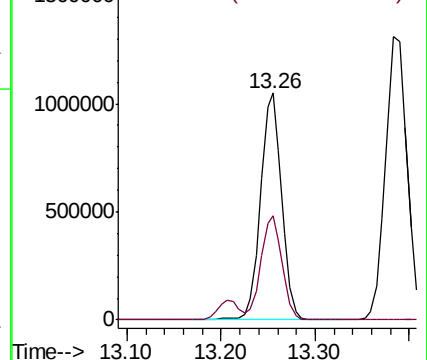
105 100

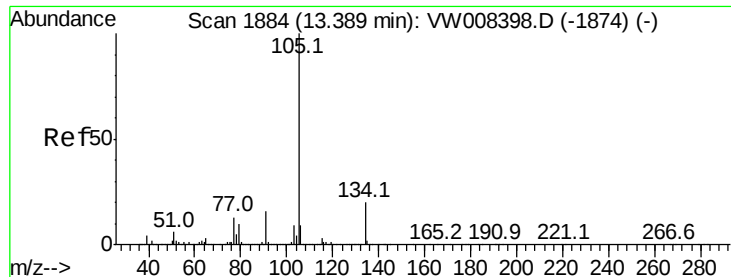
120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

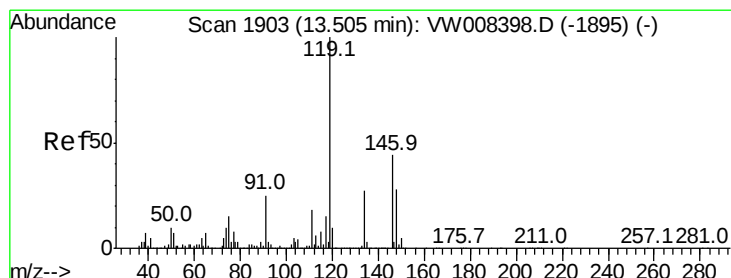
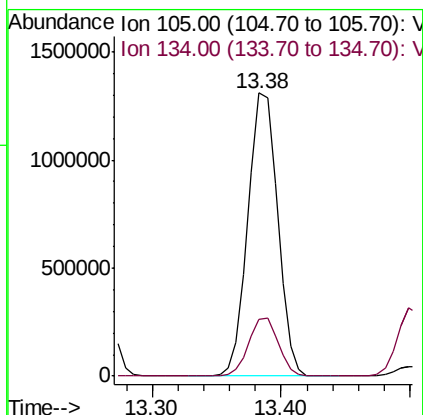
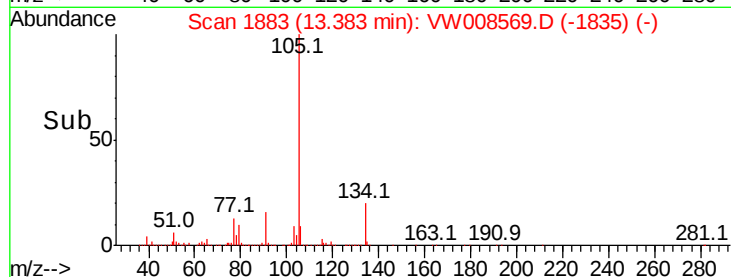
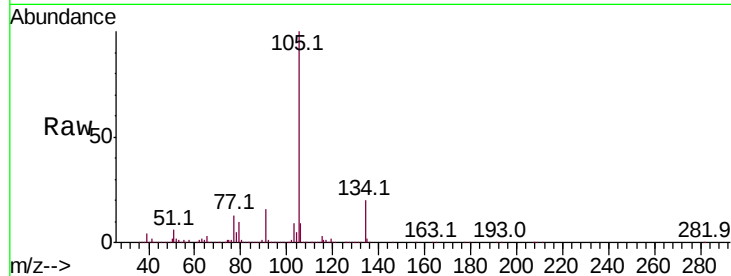




#85
 sec-Butylbenzene
 Concen: 54.807 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

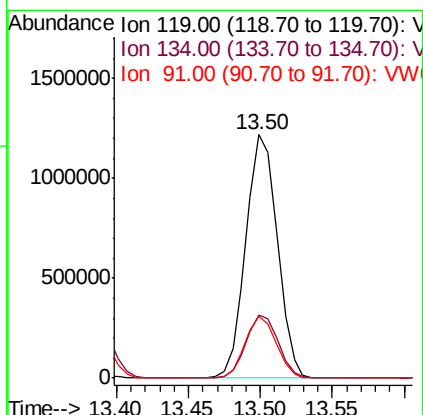
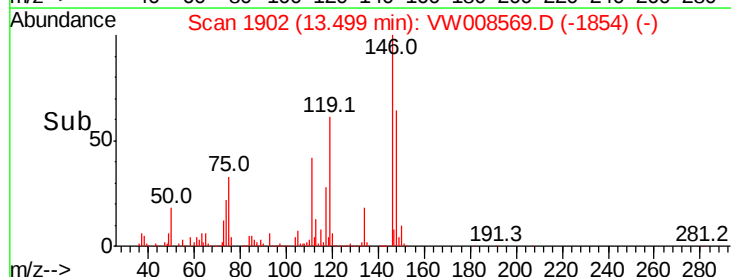
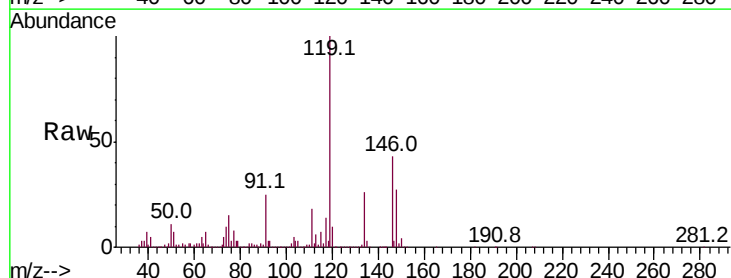
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

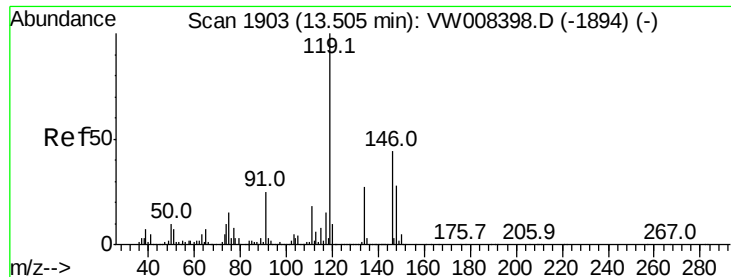
Tot Ion:105 Resp: 2085363
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6



#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

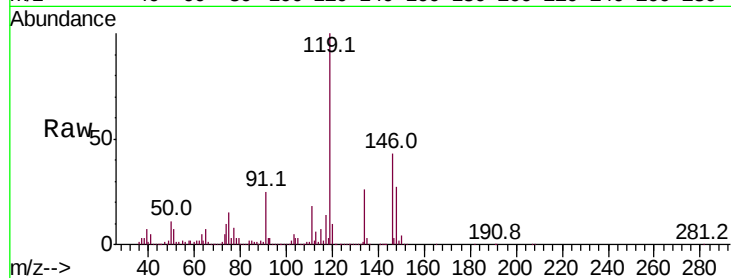
Tot Ion:146 Resp: 857997

Ion Ratio Lower Upper

146 100

111 41.1 20.3 60.9

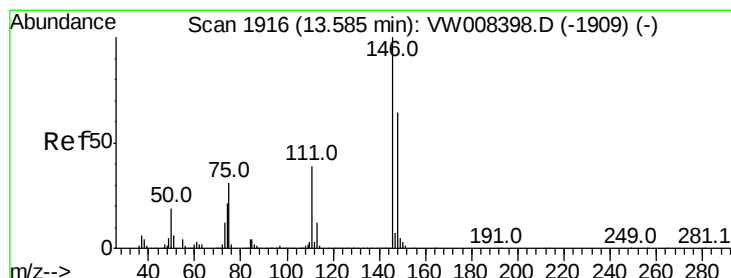
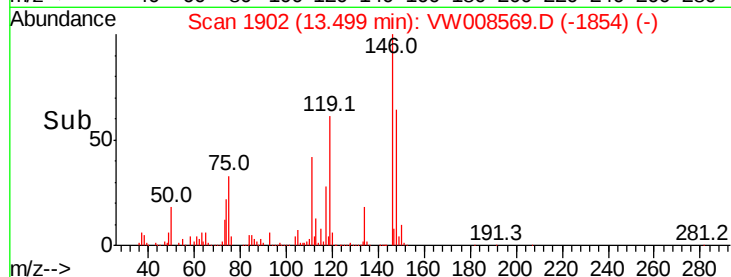
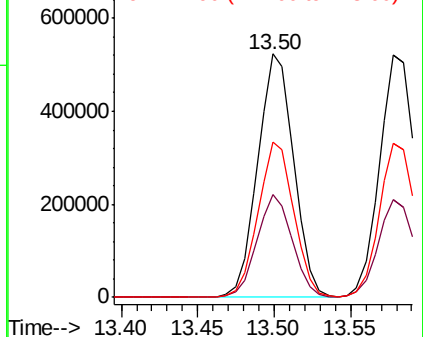
148 63.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.562 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW008569.D

Acq: 08 Feb 2019 12:01

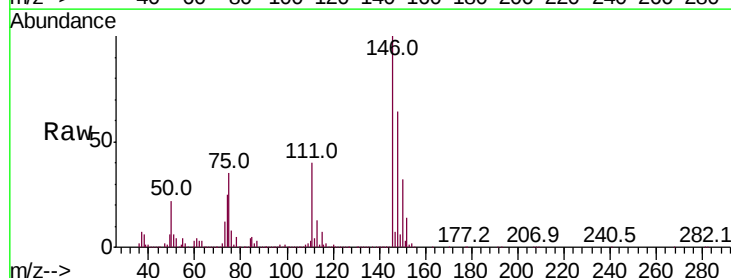
Tgt Ion:146 Resp: 840962

Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

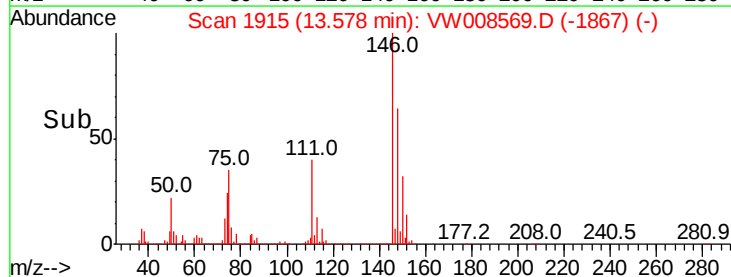
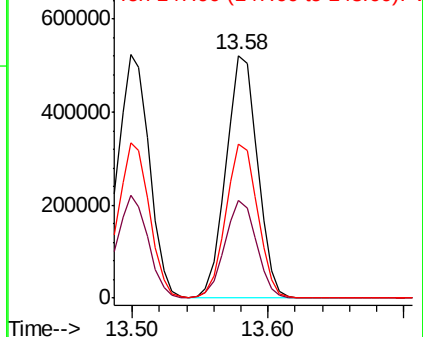
148 64.0 32.0 96.2

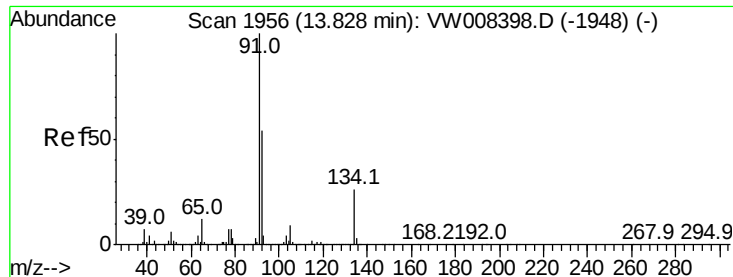


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

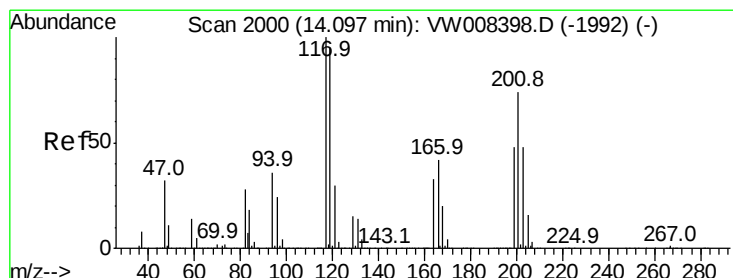
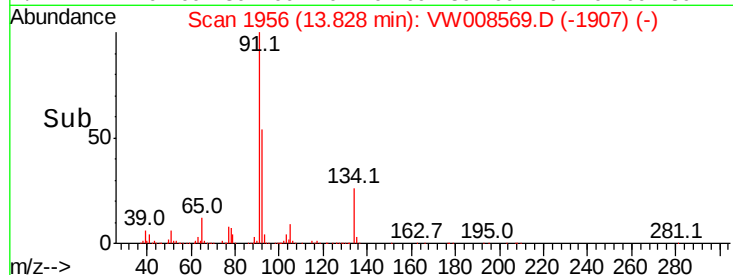
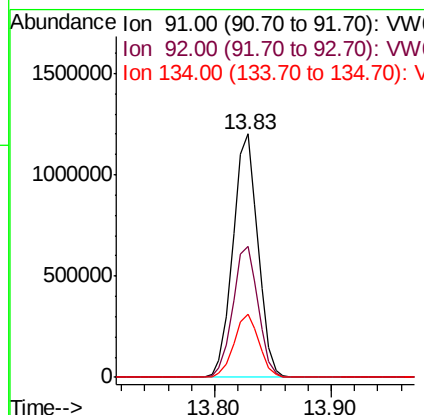
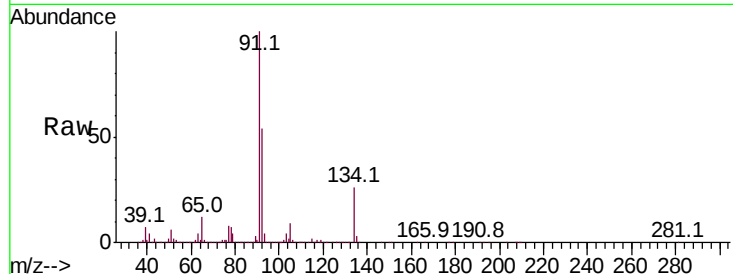




#89
n-Butylbenzene
Concen: 54.628 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

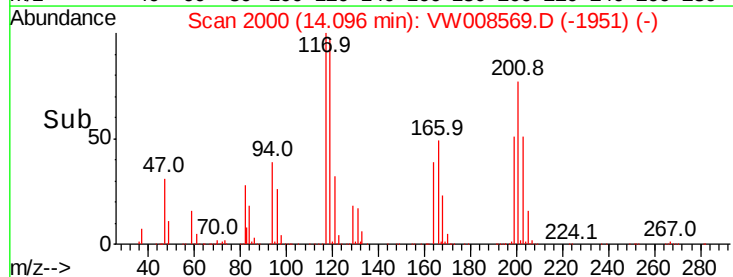
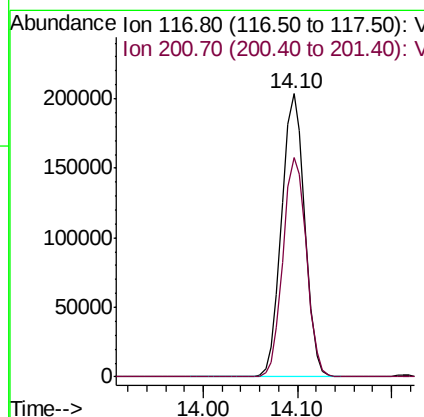
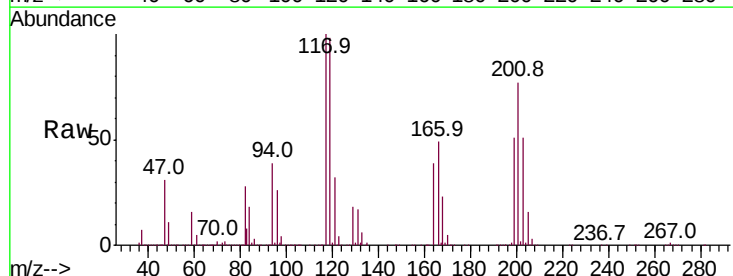
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

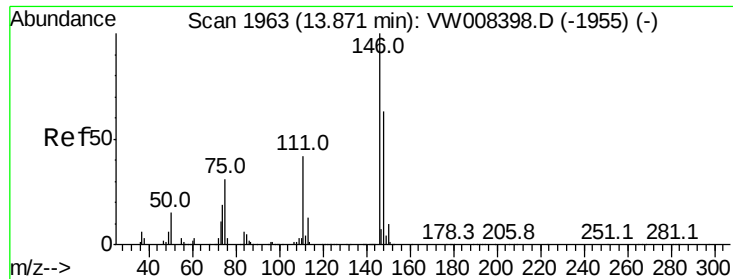
Tot Ion: 91 Resp: 1787646
Ion Ratio Lower Upper
91 100
92 54.4 27.4 82.2
134 26.1 13.0 39.0



#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

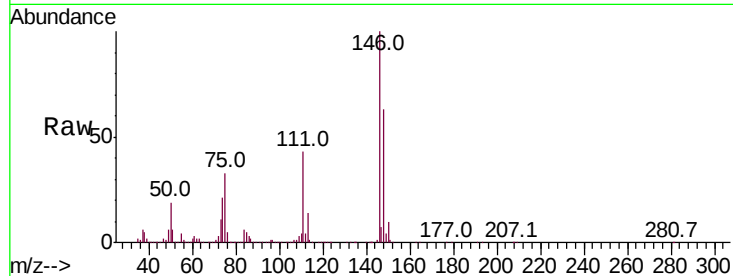
Tot Ion:146 Resp: 753043

Ion Ratio Lower Upper

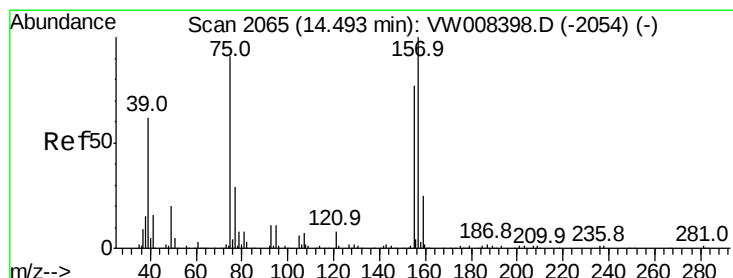
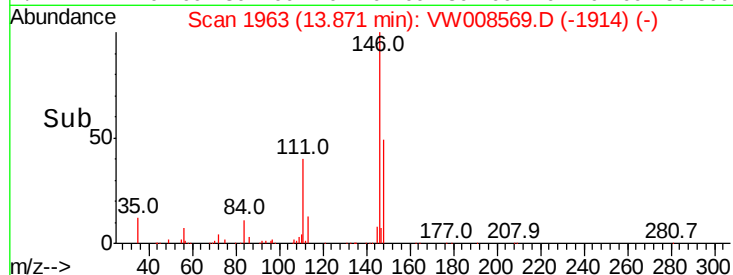
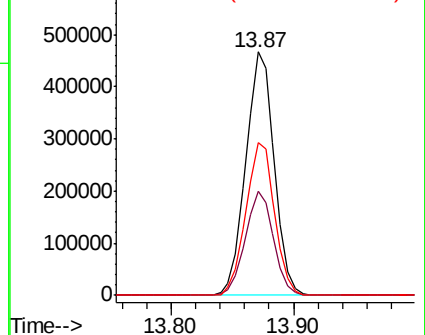
146 100

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

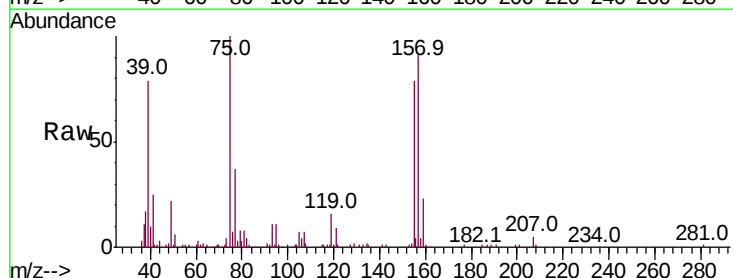
Tgt Ion: 75 Resp: 55757

Ion Ratio Lower Upper

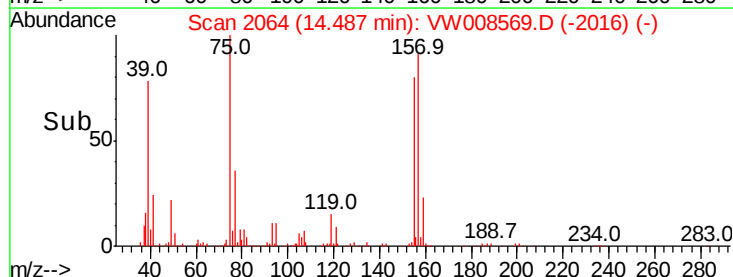
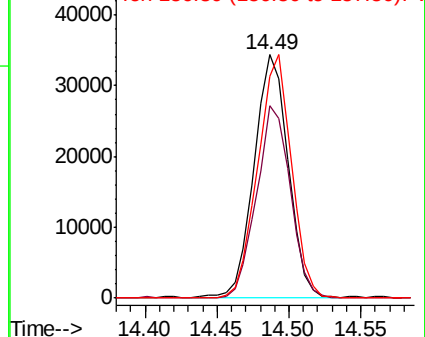
75 100

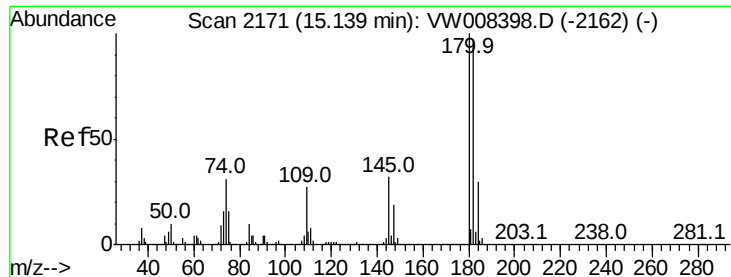
155 79.1 42.7 128.1

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

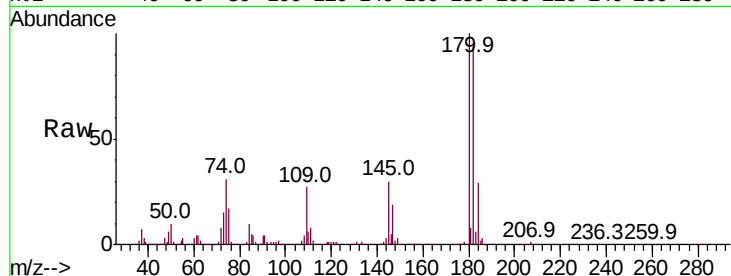




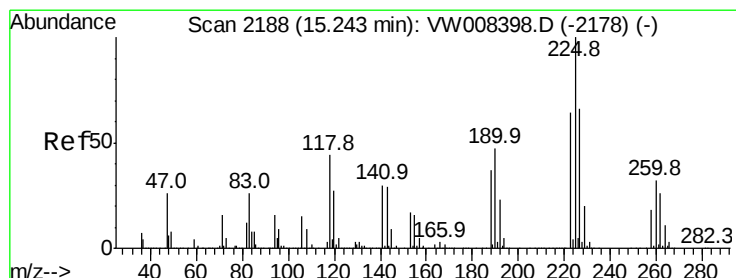
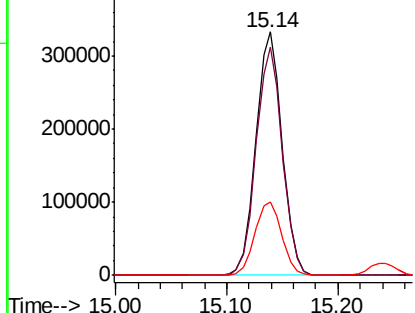
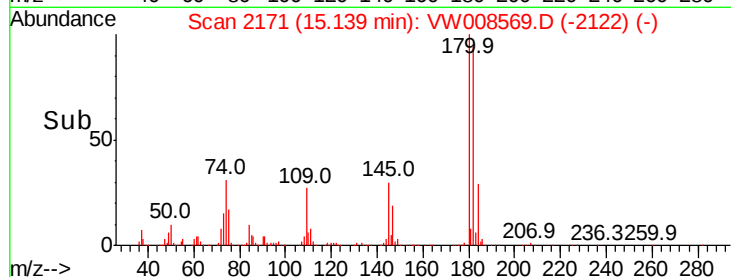
#93
 1,2,4-Trichlorobenzene
 Concen: 54.637 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

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

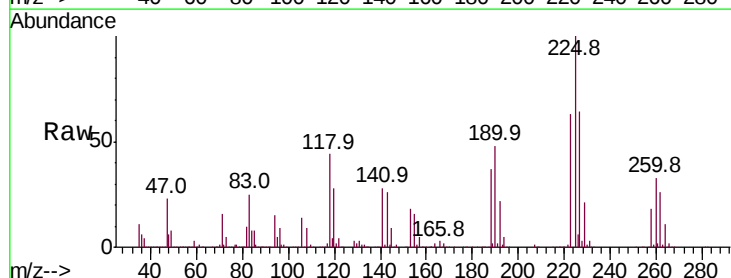


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

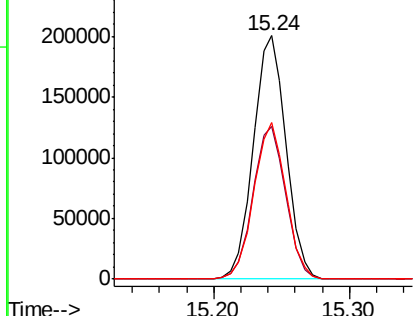
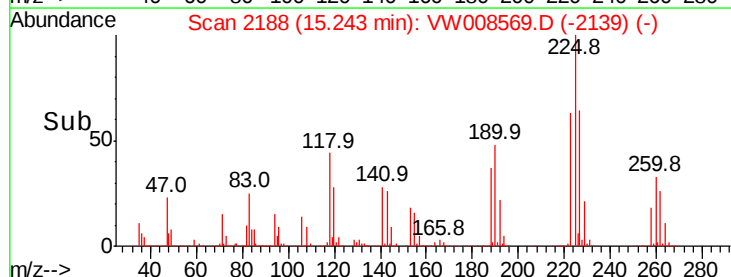


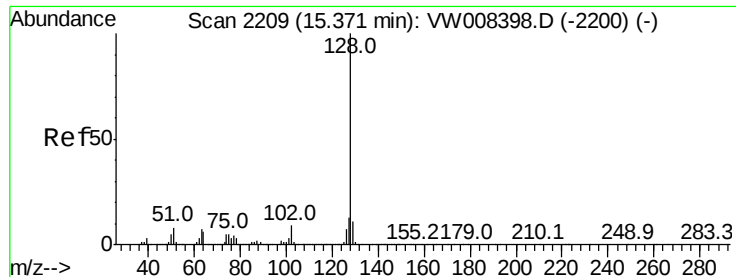
#94
 Hexachlorobutadiene
 Concen: 56.106 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008569.D
 Acq: 08 Feb 2019 12:01

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

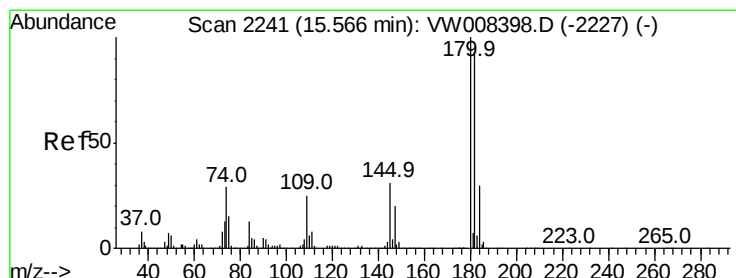
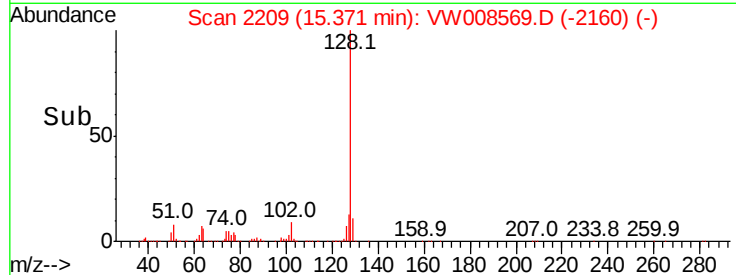
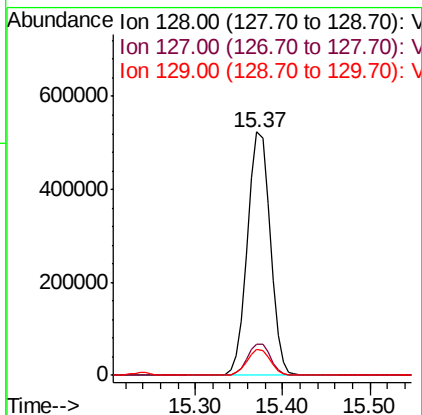
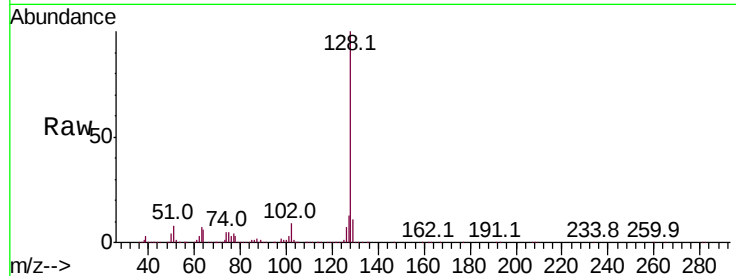




#95
Naphthalene
Concen: 54.221 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008569.D
Acq: 08 Feb 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	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	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.2
145	33.3	15.9	47.6

