

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022519\
 Data File : VW008819.D
 Acq On : 25 Feb 2019 21:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 26 04:58:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218757	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	141260	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.88	113	132235	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
50) Toluene-d8	10.32	98	526307	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
62) 4-Bromofluorobenzene	12.62	95	202036	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	135672	48.687	ug/l	96
3) Chloromethane	2.21	50	178725	52.689	ug/l	100
4) Vinyl Chloride	2.36	62	181052	50.412	ug/l	98
5) Bromomethane	2.76	94	137794	51.655	ug/l	94
6) Chloroethane	2.91	64	130930	51.339	ug/l	100
7) Trichlorofluoromethane	3.26	101	227146	50.007	ug/l	94
8) Diethyl Ether	3.68	74	73897	51.387	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136344	49.430	ug/l	99
10) Methyl Iodide	4.27	142	183636	53.239	ug/l	99
11) Tert butyl alcohol	5.17	59	58998	253.958	ug/l	97
12) 1,1-Dichloroethene	4.04	96	121003	49.673	ug/l	98
13) Acrolein	3.90	56	51991	215.166	ug/l	97
14) Allyl chloride	4.67	41	217644	51.766	ug/l	98
15) Acrylonitrile	5.37	53	164235	266.114	ug/l	98
16) Acetone	4.12	43	148702	245.847	ug/l	98
17) Carbon Disulfide	4.38	76	409025	50.607	ug/l	99
18) Methyl Acetate	4.67	43	72464	50.510	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	338136	51.283	ug/l	100
20) Methylene Chloride	4.92	84	152253	51.223	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	142568	50.595	ug/l	97
22) Diisopropyl ether	6.31	45	444197	52.963	ug/l	98
23) Vinyl Acetate	6.26	43	1353603	261.216	ug/l	100
24) 1,1-Dichloroethane	6.21	63	252727	52.001	ug/l	98
25) 2-Butanone	7.17	43	213444	252.408	ug/l	96
26) 2,2-Dichloropropane	7.17	77	211819	48.006	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	156075	51.779	ug/l	98
28) Bromochloromethane	7.51	49	108944	53.568	ug/l	100
29) Tetrahydrofuran	7.53	42	137226	254.643	ug/l	97
30) Chloroform	7.68	83	261299	52.408	ug/l	100
31) Cyclohexane	7.96	56	234529	47.673	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	231718	51.105	ug/l	100
36) 1,1-Dichloropropene	8.08	75	200330	51.813	ug/l	100
37) Ethyl Acetate	7.25	43	91708	51.006	ug/l	99
38) Carbon Tetrachloride	8.07	117	206999	50.766	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	252537	52.365	ug/l	99
40) Benzene	8.32	78	569718	53.968	ug/l	100
41) Methacrylonitrile	7.48	41	54151	51.238	ug/l	93
42) 1,2-Dichloroethane	8.40	62	176712	52.843	ug/l	100
43) Isopropyl Acetate	8.42	43	186347	51.930	ug/l	100
44) Trichloroethene	9.09	130	156450	52.608	ug/l	99
45) 1,2-Dichloropropane	9.37	63	140478	53.850	ug/l	99
46) Dibromomethane	9.46	93	77786	53.607	ug/l	97
47) Bromodichloromethane	9.64	83	191132	54.139	ug/l	99
48) Methyl methacrylate	9.44	41	87907	51.149	ug/l	96
49) 1,4-Dioxane	9.45	88	27205	1170.757	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	484657	266.028	ug/l	99
52) Toluene	10.39	92	394447	55.056	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191473	53.210	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	221194	53.896	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	104752	53.232	ug/l	96
56) Ethyl methacrylate	10.65	69	139002	54.369	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185040	53.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	328520	255.488	ug/l	100
59) 2-Hexanone	10.97	43	350307	270.120	ug/l	100
60) Dibromochloromethane	11.13	129	130469	54.357	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104886	53.847	ug/l	99
64) Tetrachloroethene	10.86	164	150664	53.453	ug/l	98
65) Chlorobenzene	11.66	112	441218	53.289	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	145899	52.114	ug/l	98
67) Ethyl Benzene	11.73	91	791846	53.498	ug/l	99
68) m/p-Xylenes	11.84	106	630072	106.540	ug/l	100
69) o-Xylene	12.16	106	301349	54.289	ug/l	99
70) Styrene	12.18	104	485427	54.357	ug/l	99
71) Bromoform	12.35	173	76029	50.522	ug/l #	97
73) Isopropylbenzene	12.46	105	804440	53.641	ug/l	100
74) N-amyl acetate	12.27	43	206725	54.724	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125626	51.268	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	91450m	50.633	ug/l	
77) Bromobenzene	12.75	156	189049	53.345	ug/l	99
78) n-propylbenzene	12.80	91	984695	53.678	ug/l	100
79) 2-Chlorotoluene	12.90	91	559046	53.676	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	706805	54.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37037	49.852	ug/l	98
82) 4-Chlorotoluene	12.99	91	586289	53.418	ug/l	99
83) tert-Butylbenzene	13.21	119	598027	53.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	727825	53.950	ug/l	100
85) sec-Butylbenzene	13.38	105	873006	53.879	ug/l	99
86) p-Isopropyltoluene	13.50	119	794314	53.475	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	391996	53.313	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	387810	53.515	ug/l	100
89) n-Butylbenzene	13.83	91	761935	54.753	ug/l	99
90) Hexachloroethane	14.10	117	132813	54.618	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	351432	53.642	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23736	53.548	ug/l	96

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Quant Title : SW846 8260
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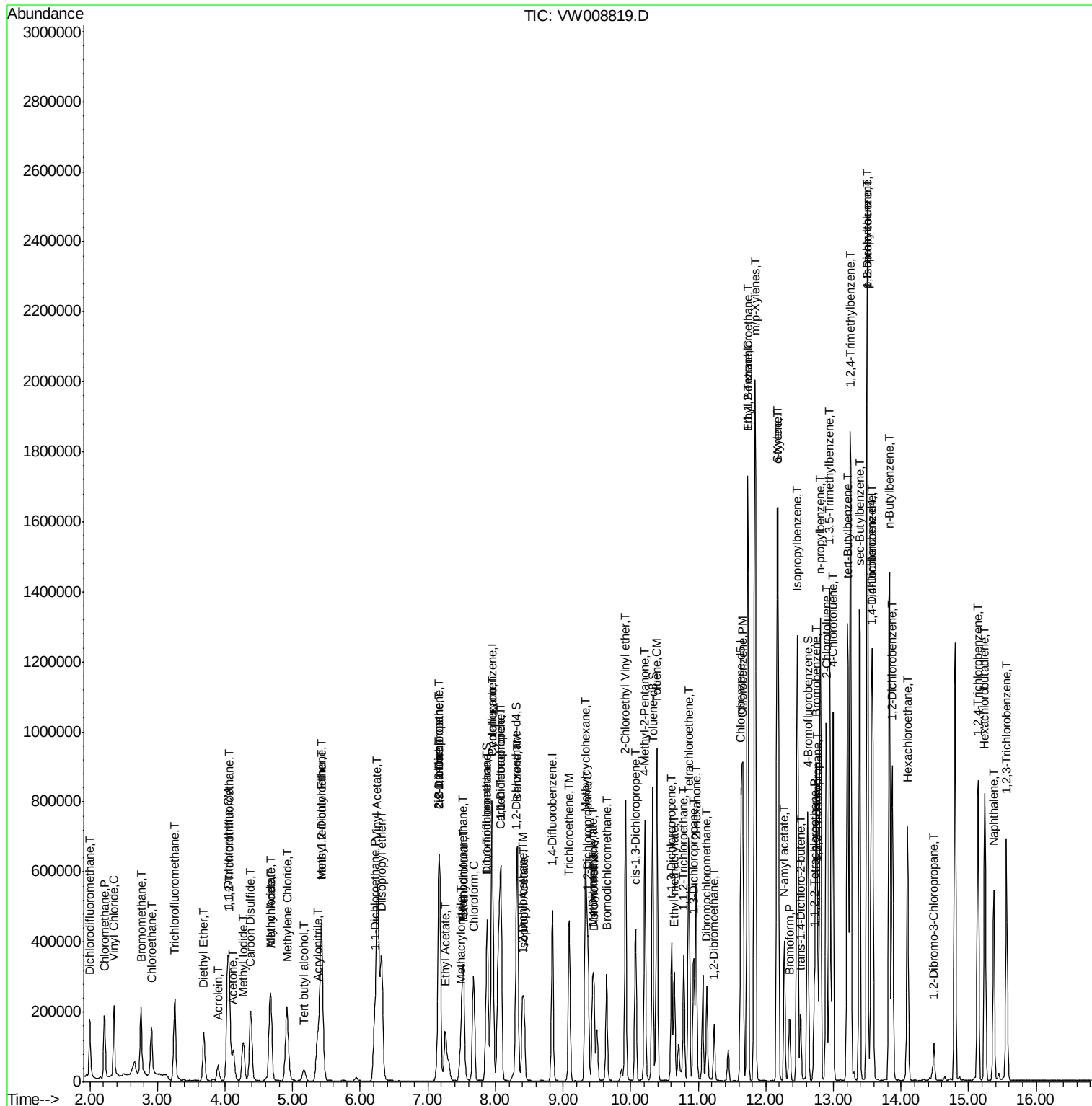
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	267084	56.581	ug/l	99
94) Hexachlorobutadiene	15.24	225	155752	56.016	ug/l	100
95) Naphthalene	15.37	128	456618	56.814	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	234033	57.342	ug/l	99

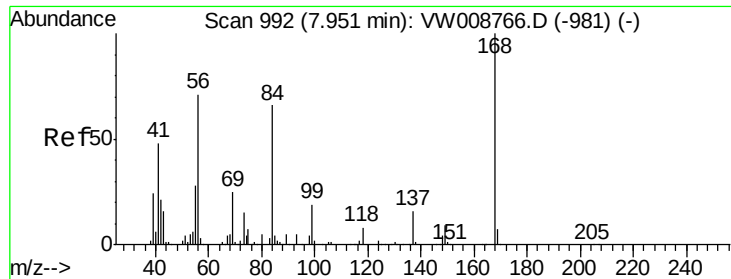
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

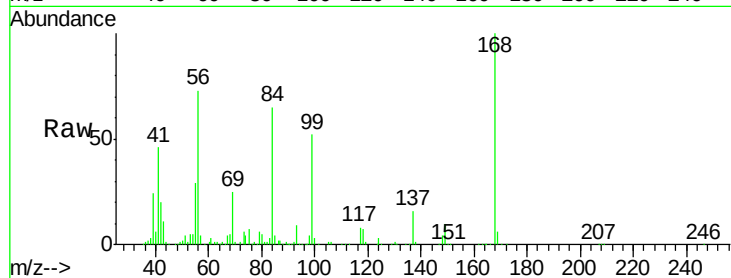
VSTDCCC050EC

Tot Ion:168 Resp: 278223

Ion Ratio Lower Upper

168 100

99 51.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

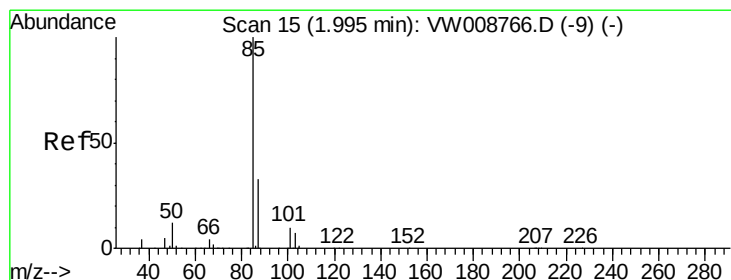
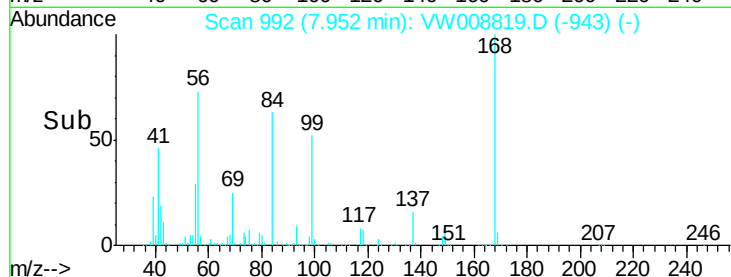
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.687 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008819.D

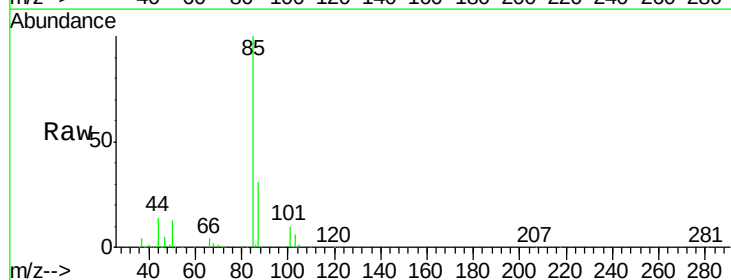
Acq: 25 Feb 2019 21:07

Tgt Ion: 85 Resp: 135672

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

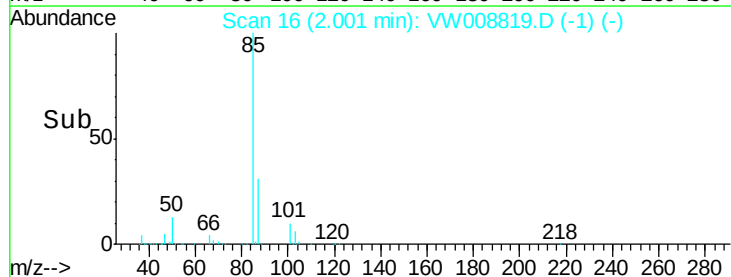
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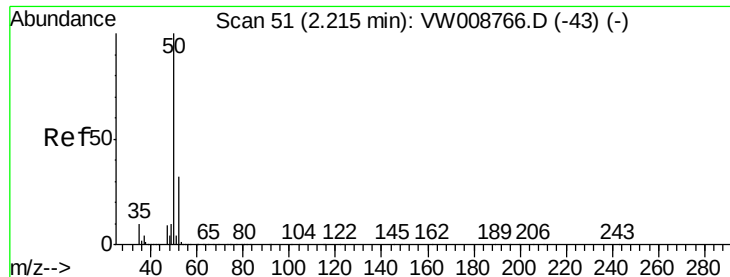
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 52.689 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

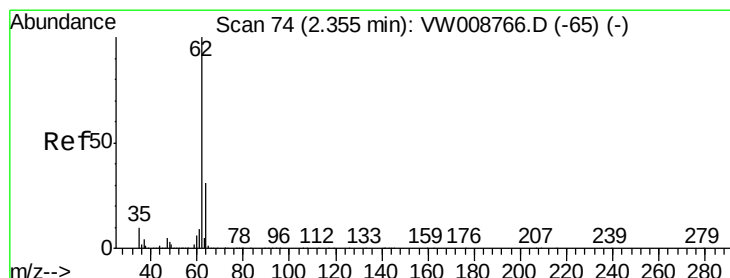
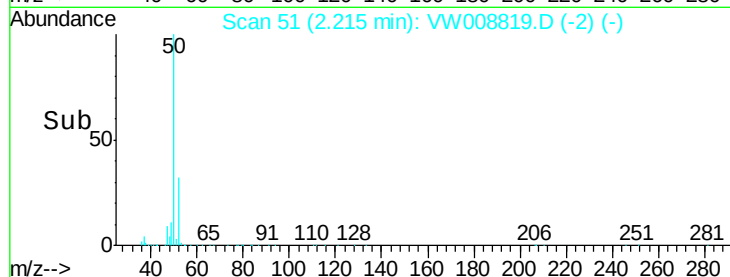
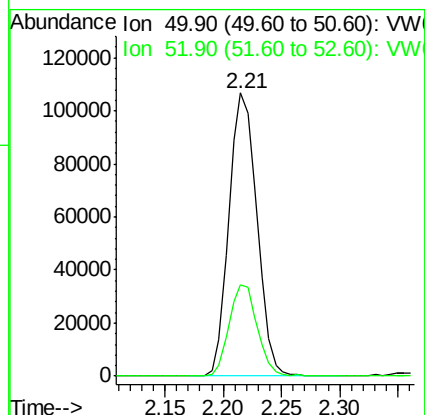
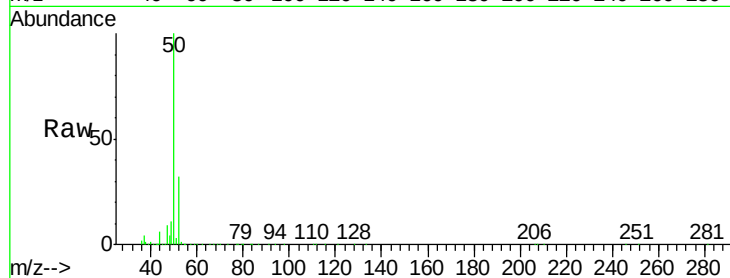
VSTDCCC050EC

Tot Ion: 50 Resp: 178725

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



#4

Vinyl Chloride

Concen: 50.412 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008819.D

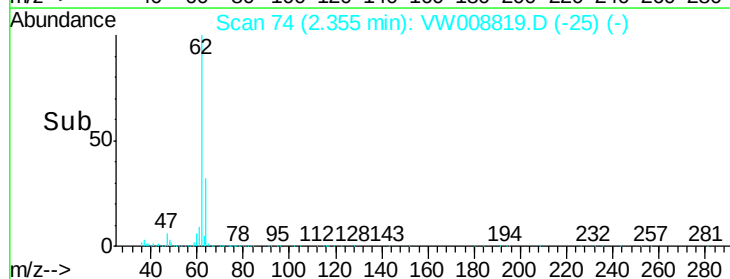
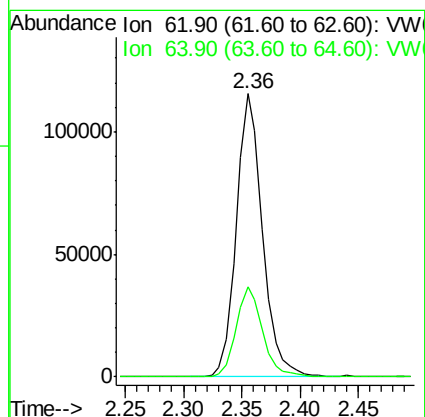
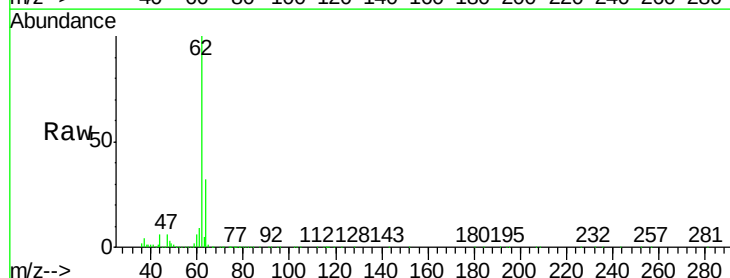
Acq: 25 Feb 2019 21:07

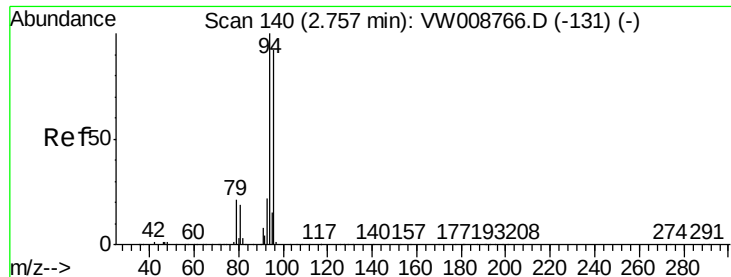
Tgt Ion: 62 Resp: 181052

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 51.655 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

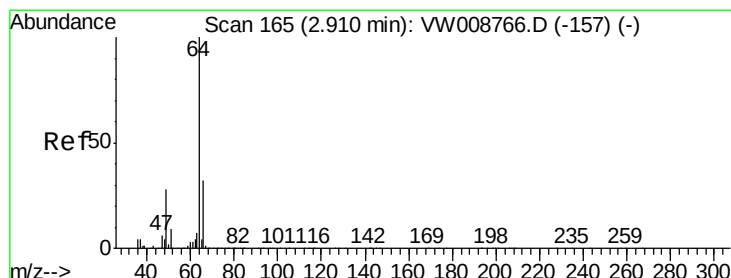
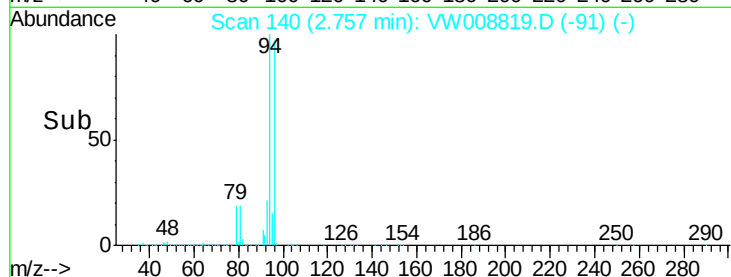
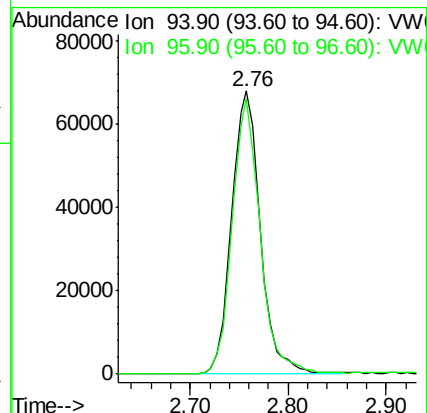
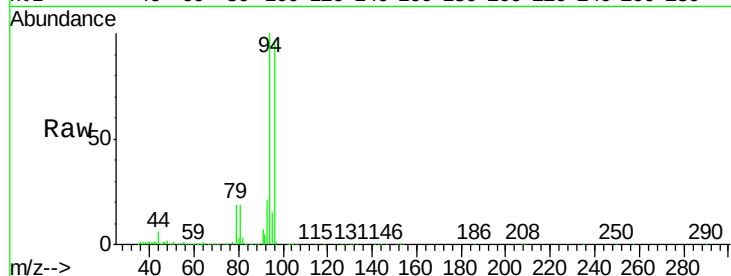
VSTDCCC050EC

Tot Ion: 94 Resp: 137794

Ion Ratio Lower Upper

94 100

96 97.1 73.4 110.2



#6

Chloroethane

Concen: 51.339 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008819.D

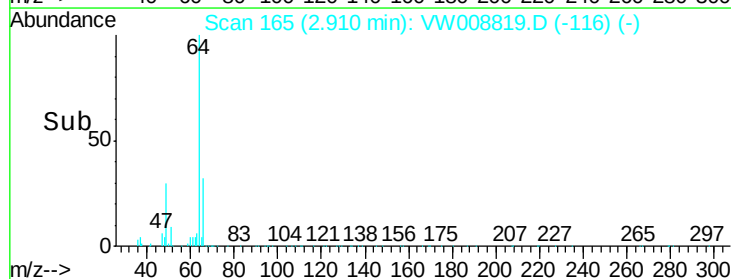
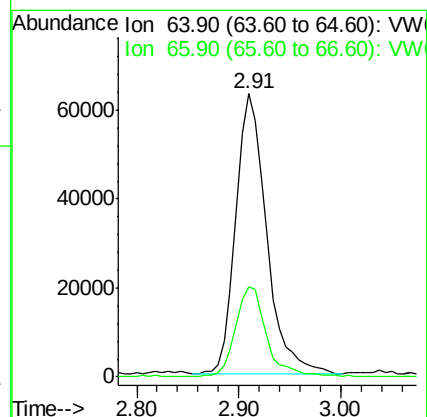
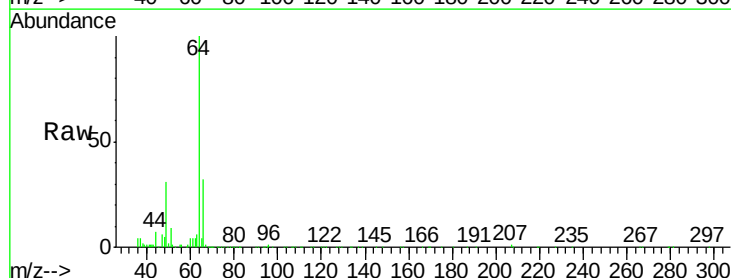
Acq: 25 Feb 2019 21:07

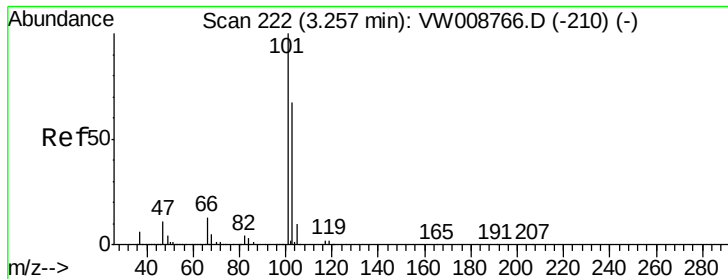
Tgt Ion: 64 Resp: 130930

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



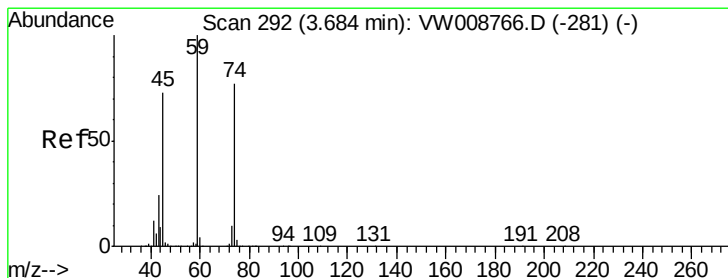
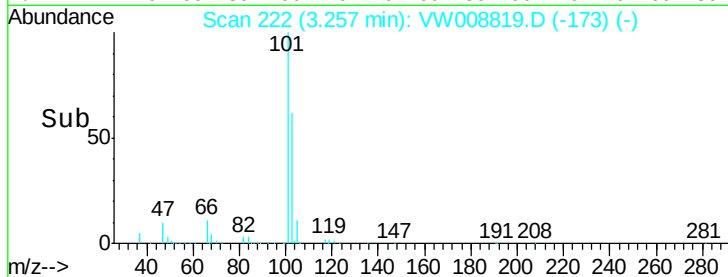
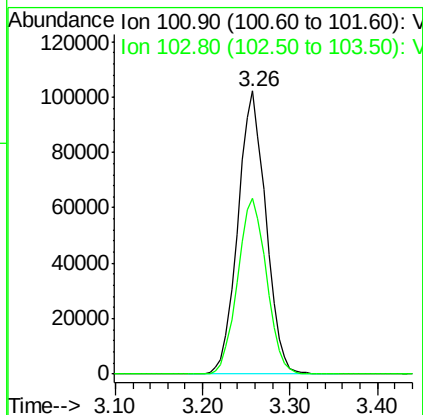
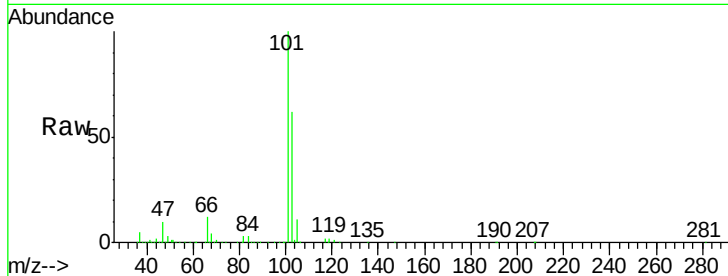


#7

Trichlorofluoromethane
 Concen: 50.007 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

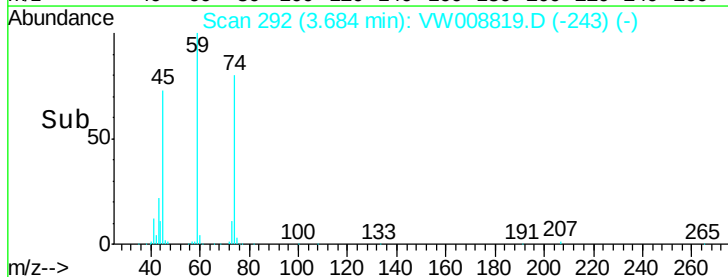
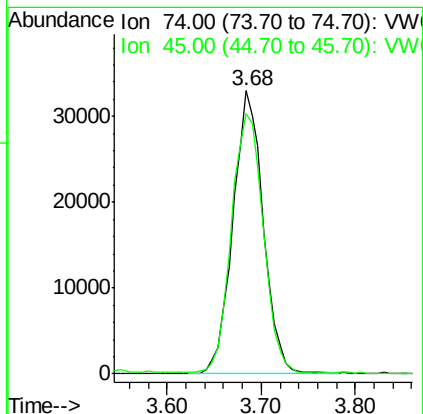
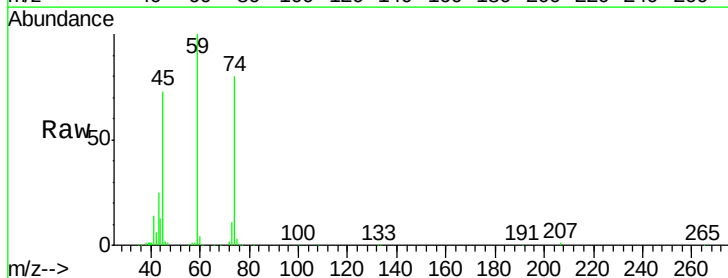
Tot Ion:101 Resp: 227146
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.9 80.9

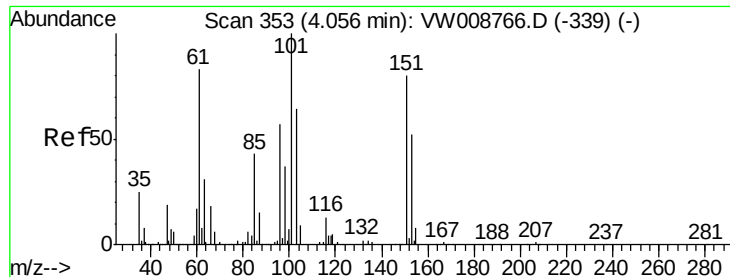


#8

Diethyl Ether
 Concen: 51.387 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion: 74 Resp: 73897
 Ion Ratio Lower Upper
 74 100
 45 96.3 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.430 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

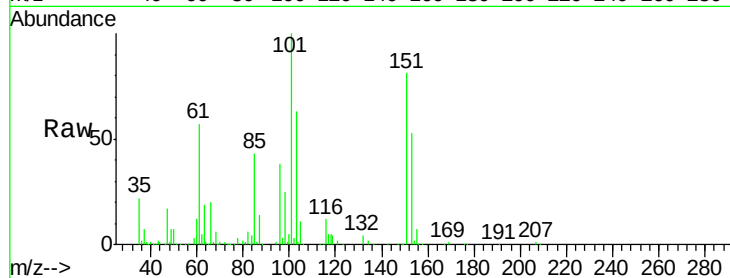
Tot Ion:101 Resp: 136344

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

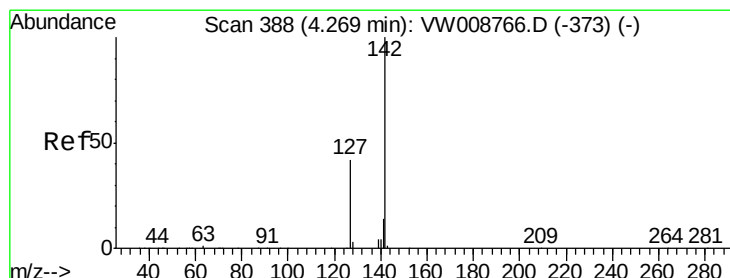
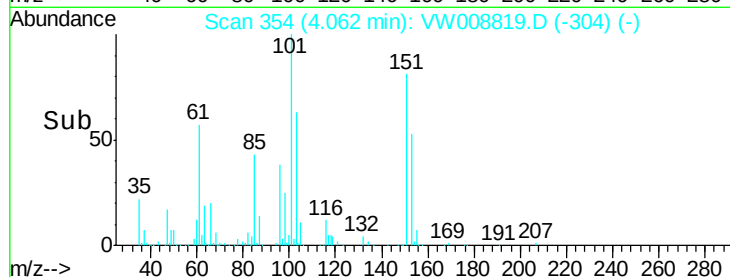
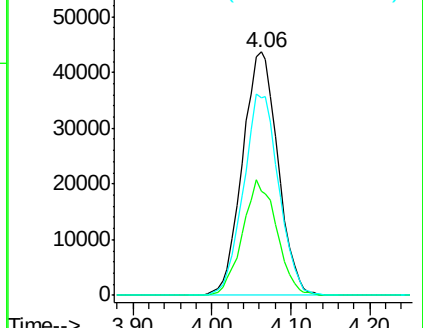
151 82.6 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.239 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

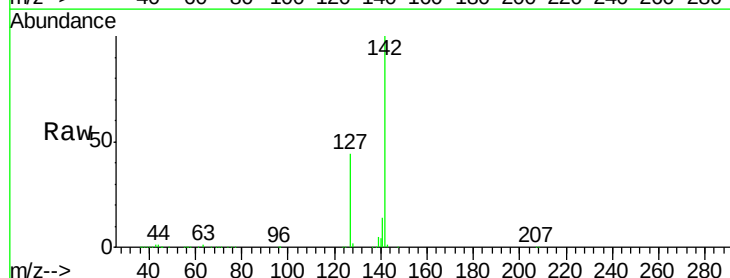
Tgt Ion:142 Resp: 183636

Ion Ratio Lower Upper

142 100

127 43.7 35.3 52.9

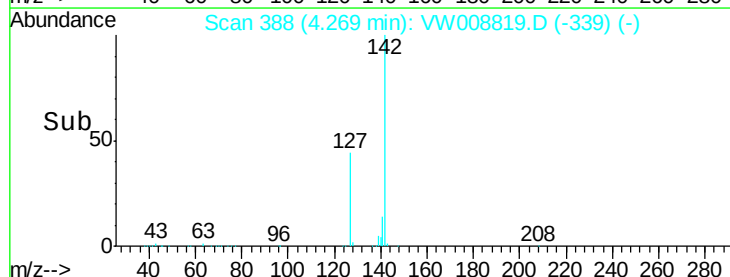
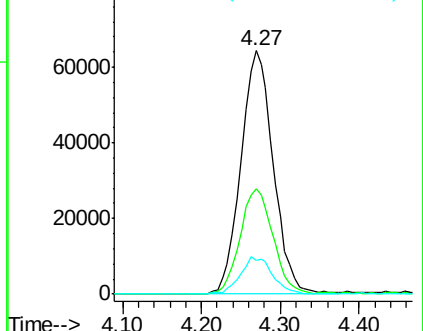
141 15.2 11.7 17.5

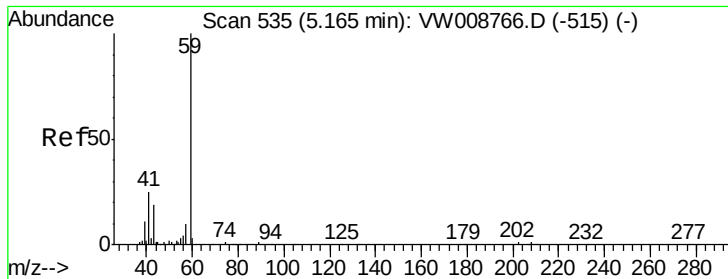


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

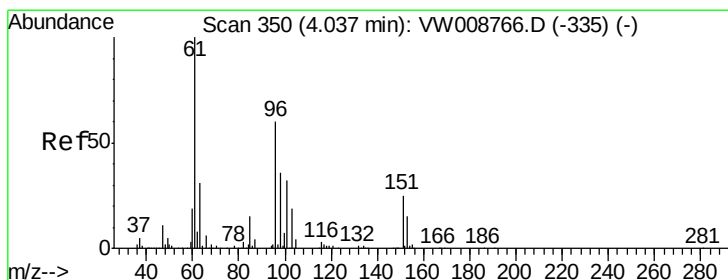
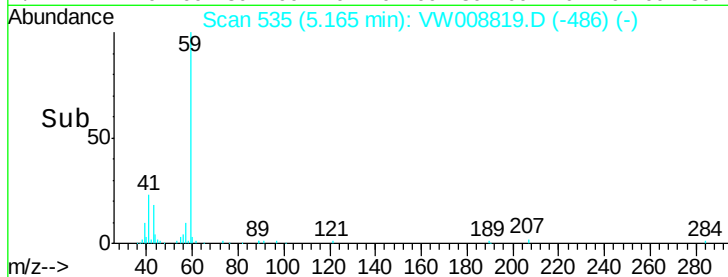
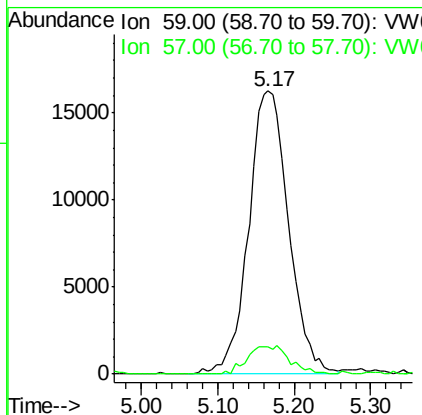
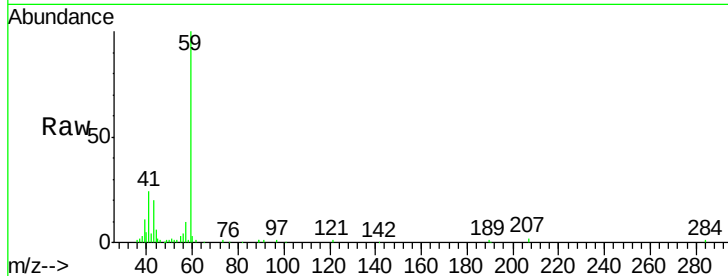




#11
Tert butyl alcohol
Concen: 253.958 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

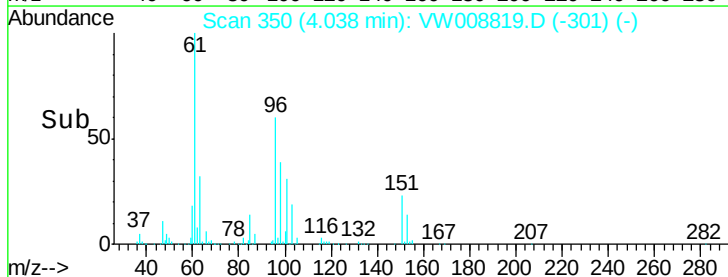
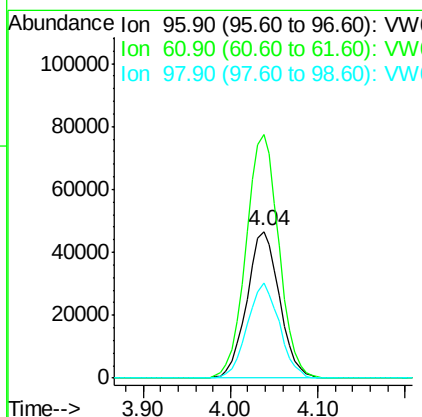
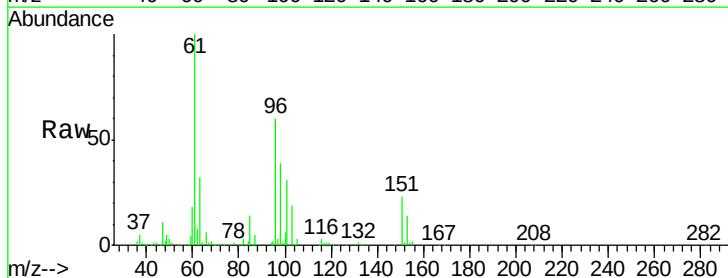
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

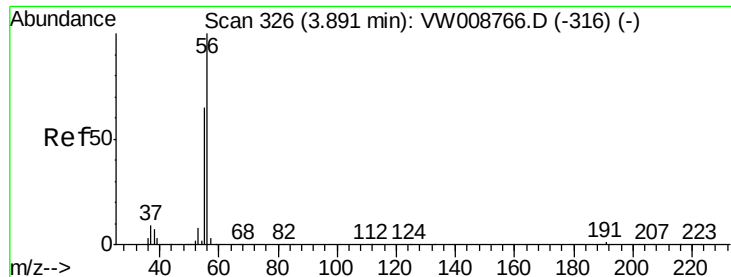
Tot Ion: 59 Resp: 58998
Ion Ratio Lower Upper
59 100
57 10.6 9.3 13.9



#12
1,1-Dichloroethene
Concen: 49.673 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 96 Resp: 121003
Ion Ratio Lower Upper
96 100
61 166.0 132.5 198.7
98 64.7 48.2 72.4





#13

Acrolein

Concen: 215.166 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

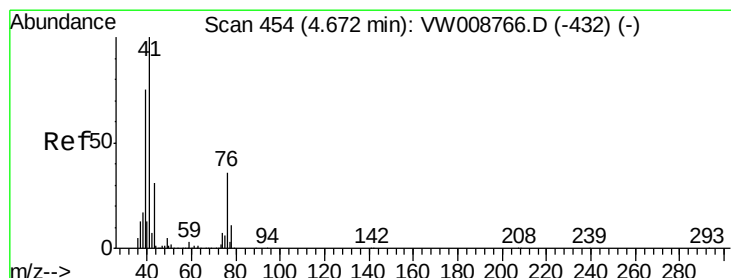
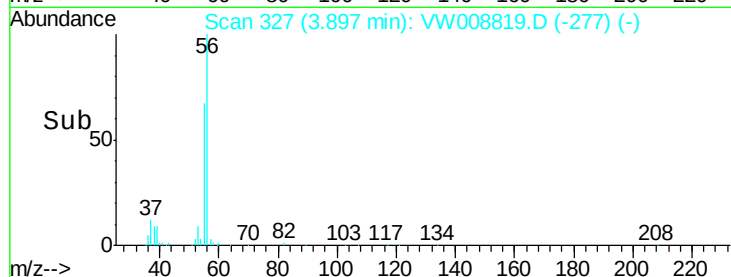
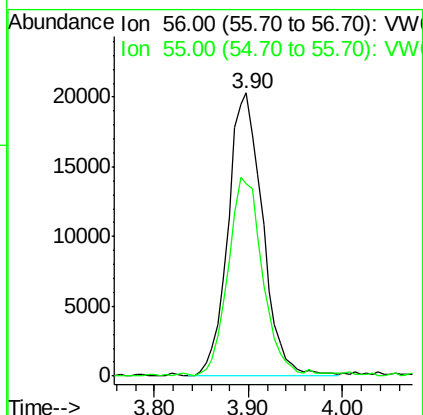
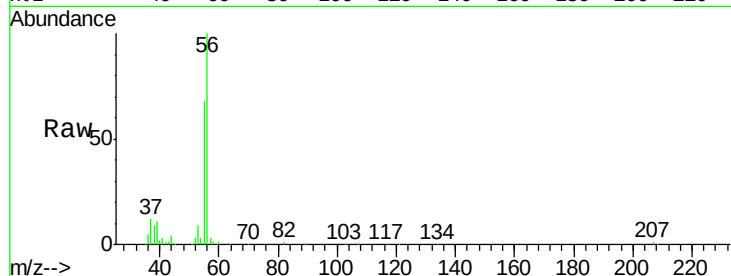
VSTDCCC050EC

Tot Ion: 56 Resp: 51991

Ion Ratio Lower Upper

56 100

55 68.7 56.9 85.3



#14

Allyl chloride

Concen: 51.766 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

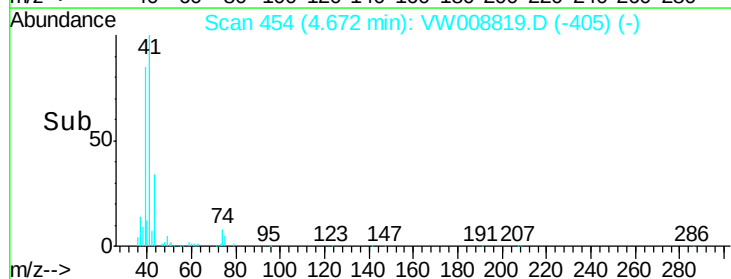
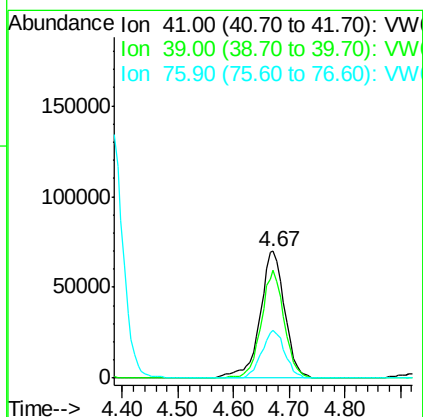
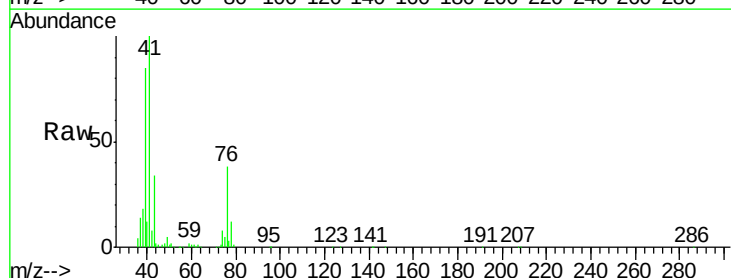
Tgt Ion: 41 Resp: 217644

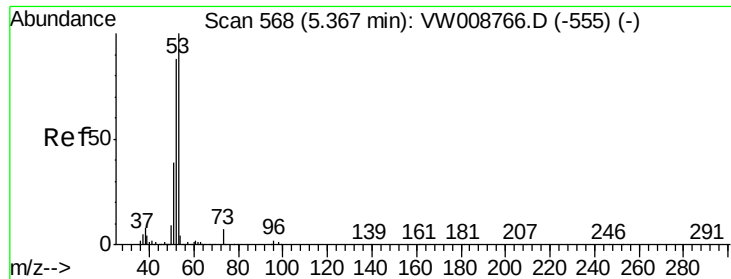
Ion Ratio Lower Upper

41 100

39 78.1 60.6 91.0

76 35.0 28.6 42.8





#15

Acrylonitrile

Concen: 266.114 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

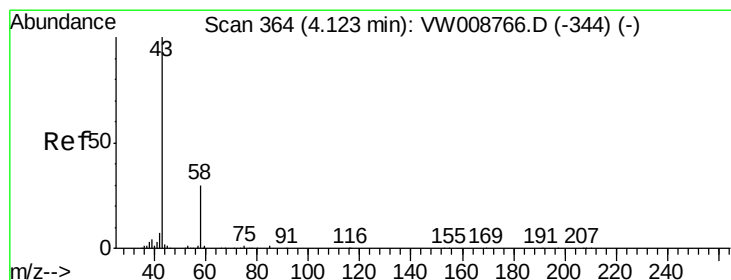
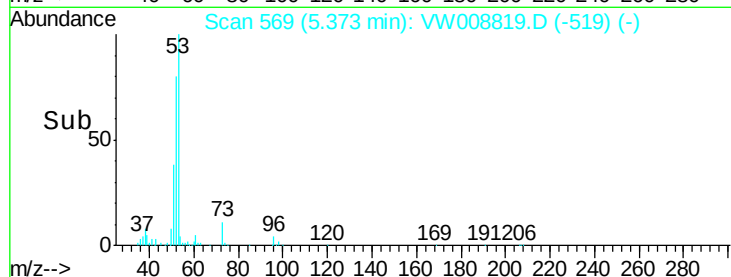
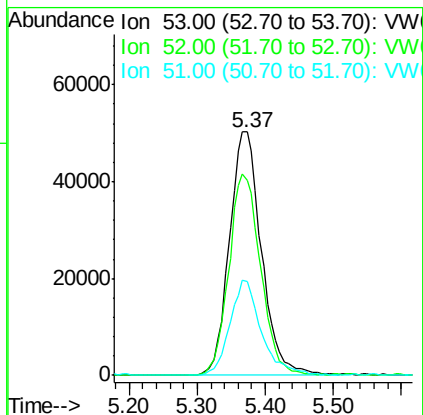
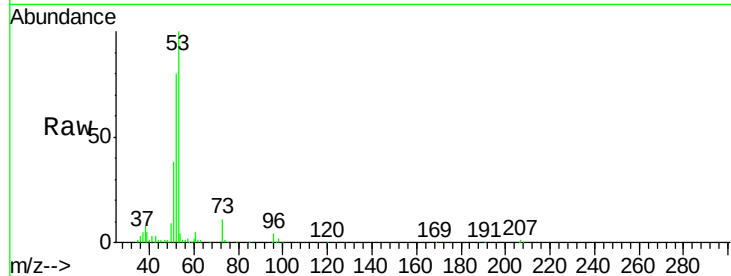
Tot Ion: 53 Resp: 164235

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	38.4	31.1	46.7

53 100

52 82.1 67.2 100.8

51 38.4 31.1 46.7



#16

Acetone

Concen: 245.847 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008819.D

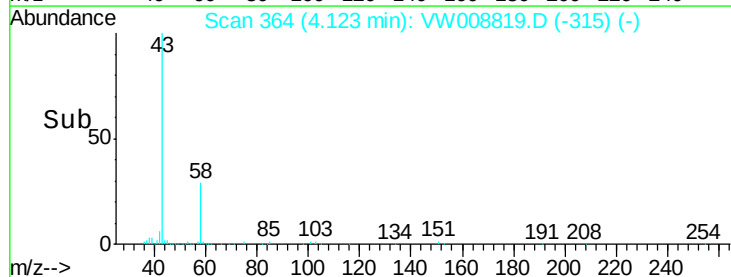
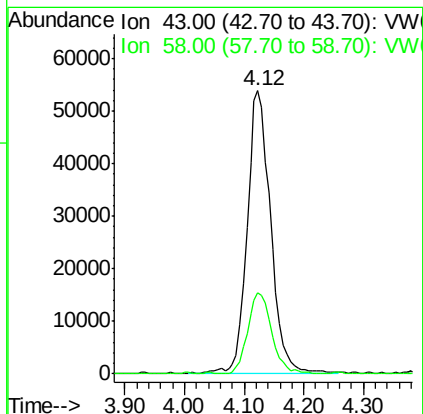
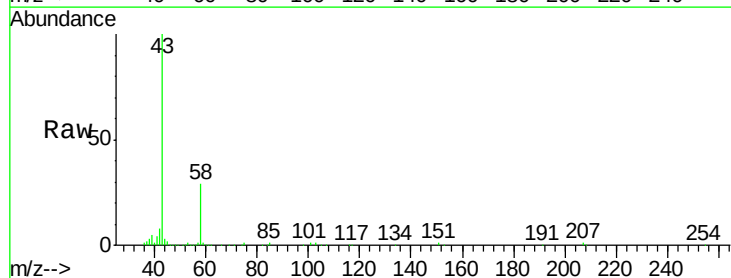
Acq: 25 Feb 2019 21:07

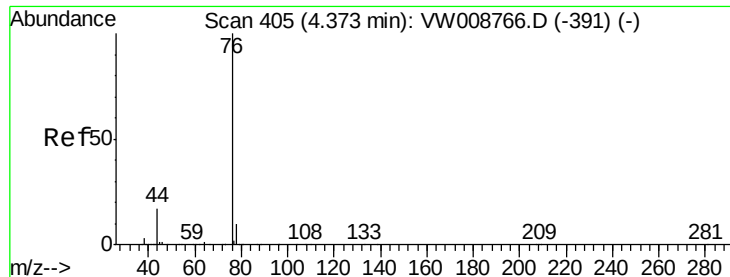
Tgt Ion: 43 Resp: 148702

Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6

43 100

58 28.4 23.8 35.6





#17

Carbon Disulfide

Concen: 50.607 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

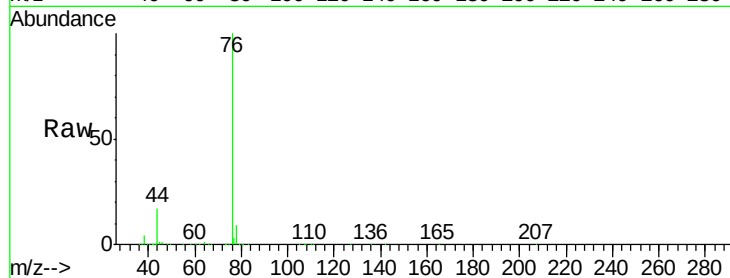
VSTDCCC050EC

Tot Ion: 76 Resp: 409025

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

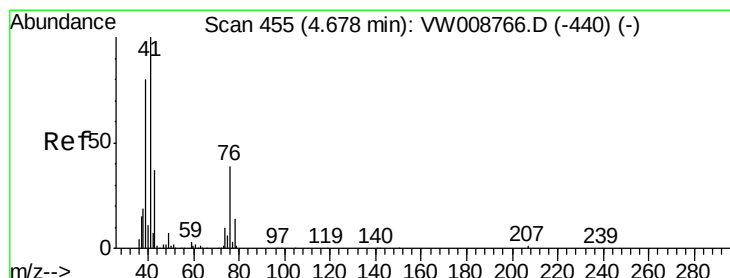
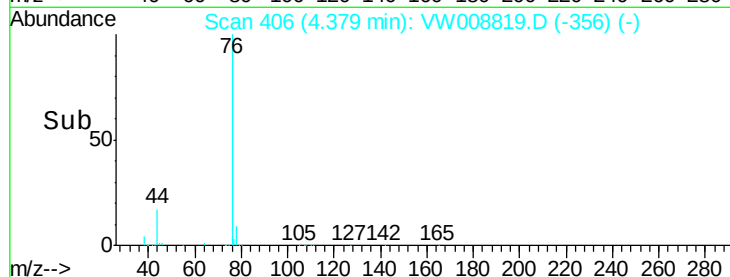
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.510 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008819.D

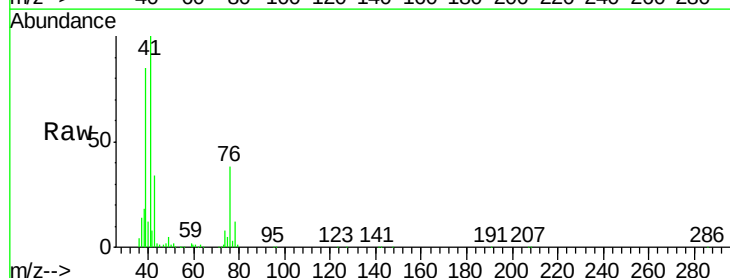
Acq: 25 Feb 2019 21:07

Tgt Ion: 43 Resp: 72464

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

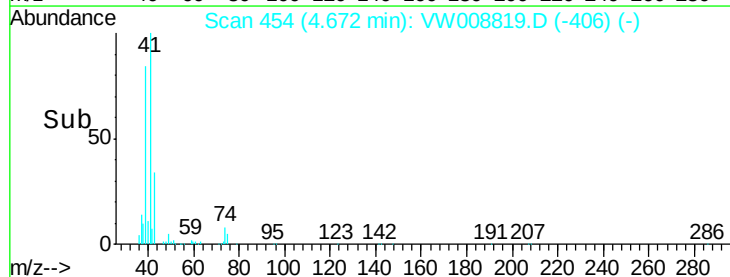
15000

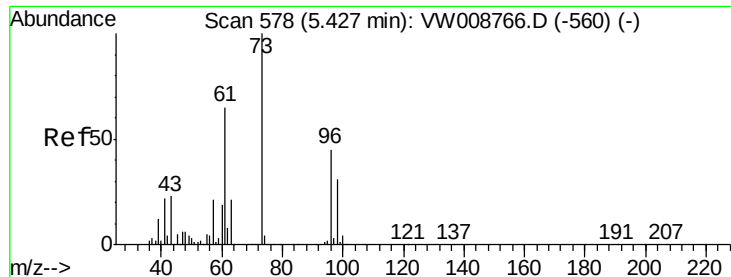
10000

5000

0

Time-->

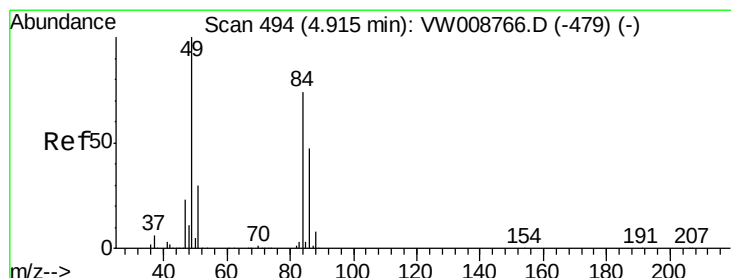
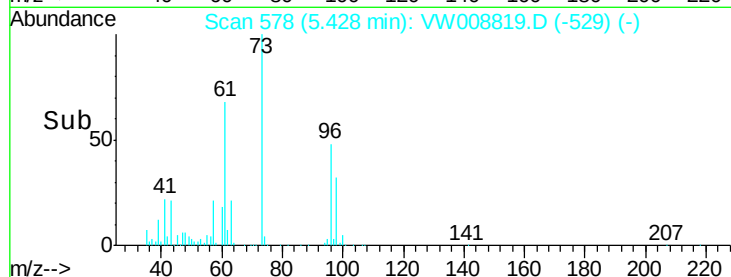
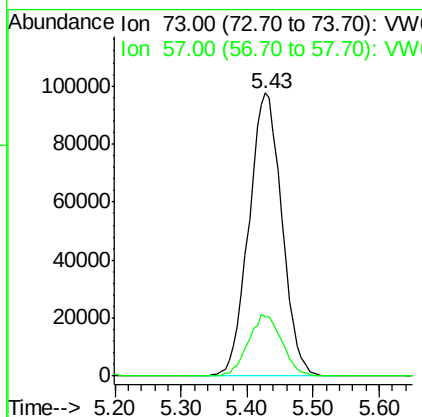
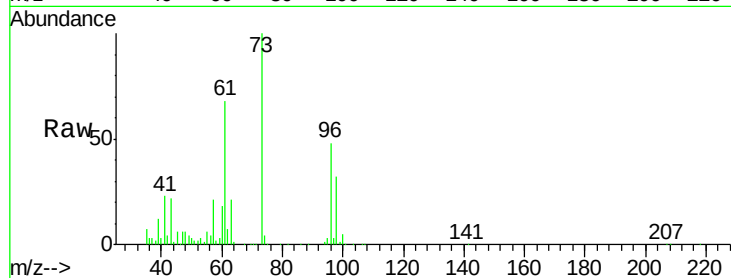




#19
Methyl tert-butyl Ether
Concen: 51.283 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

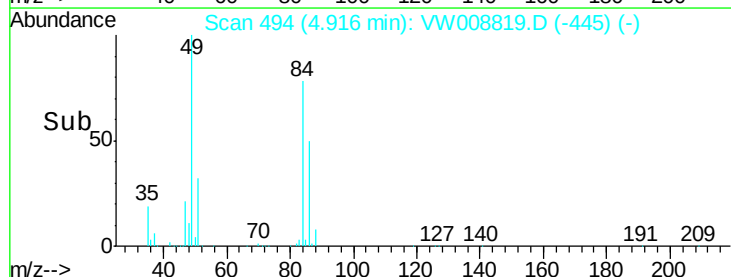
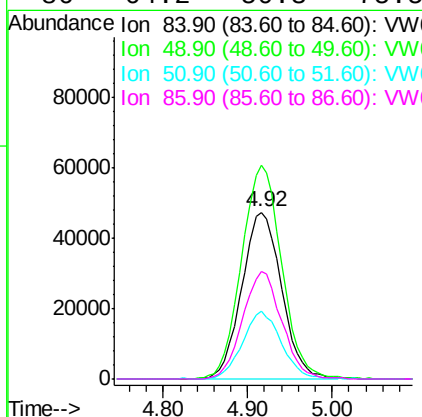
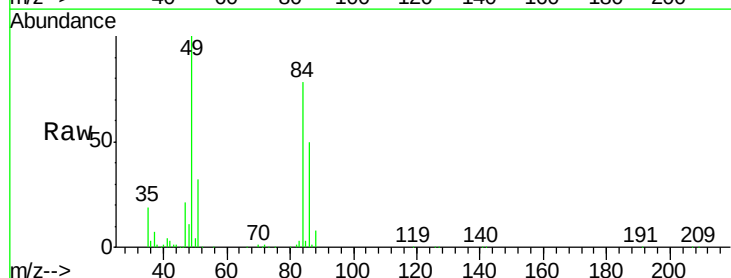
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

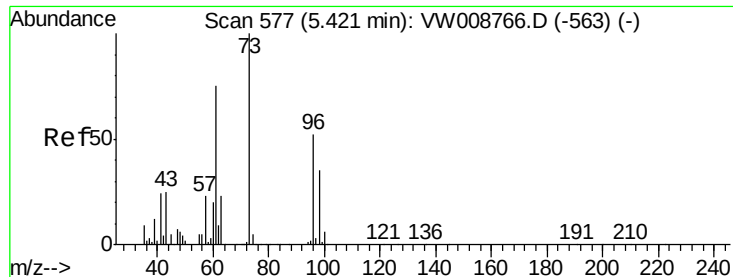
Tot Ion: 73 Resp: 338136
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 51.223 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 84 Resp: 152253
Ion Ratio Lower Upper
84 100
49 127.8 108.2 162.2
51 40.3 32.7 49.1
86 64.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.595 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

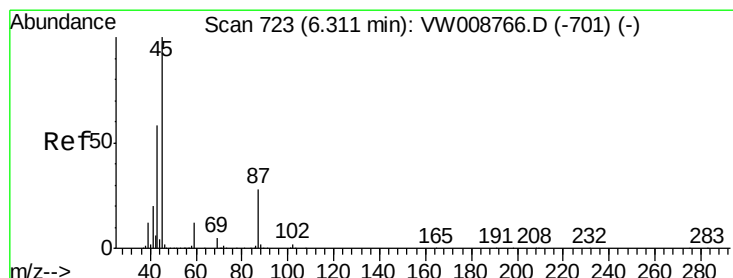
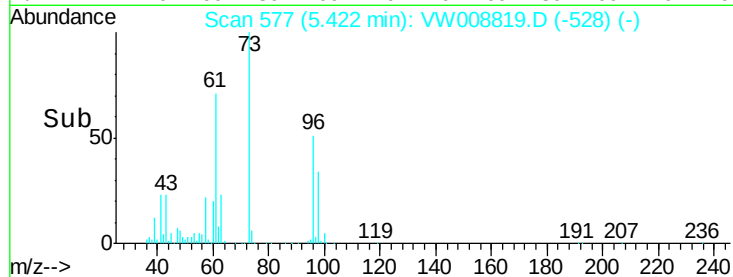
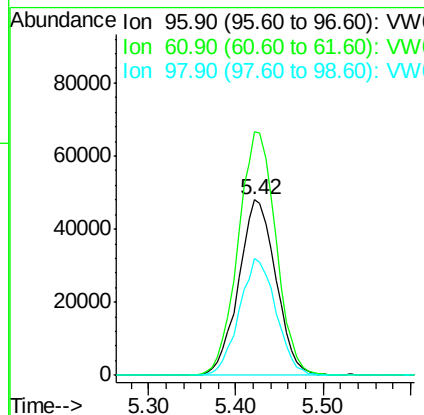
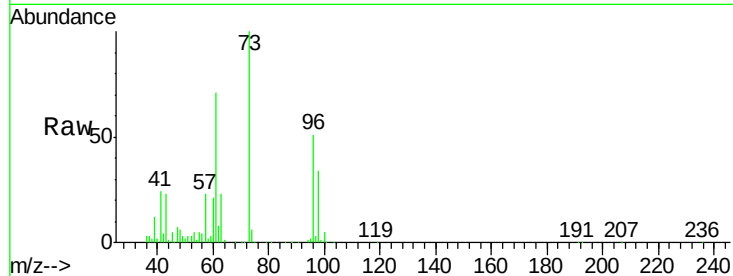
Tot Ion: 96 Resp: 142568

Ion Ratio Lower Upper

96 100

61 138.4 114.6 171.8

98 66.7 54.0 81.0



#22

Diisopropyl ether

Concen: 52.963 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Tgt Ion: 45 Resp: 444197

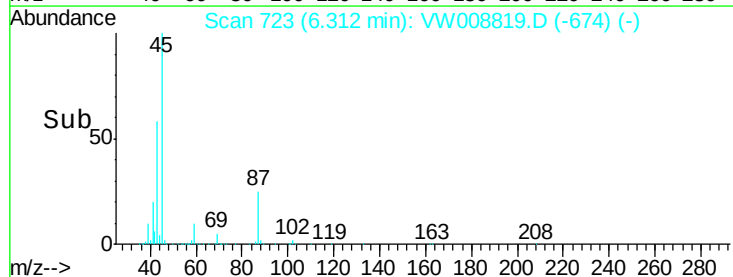
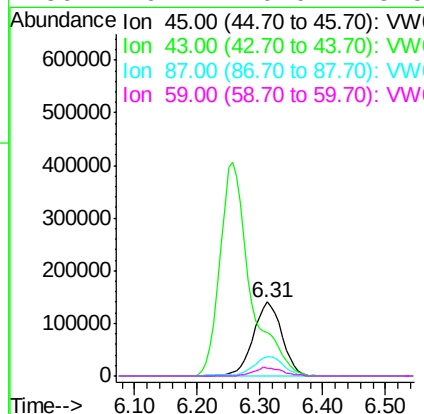
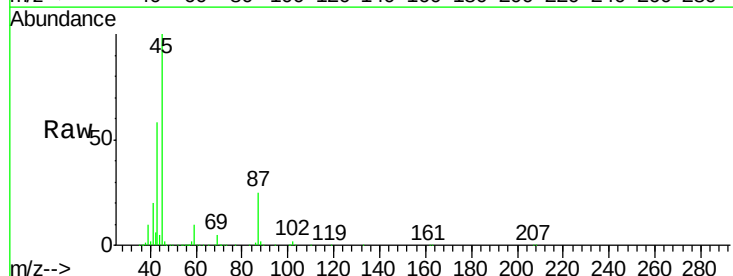
Ion Ratio Lower Upper

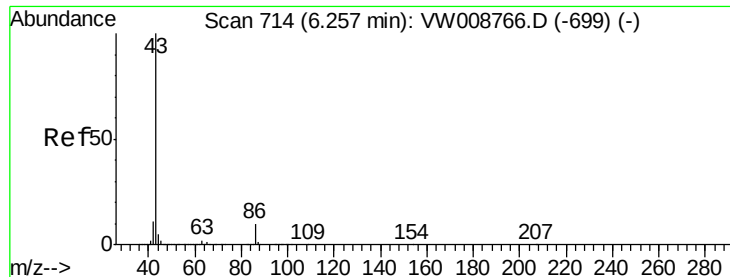
45 100

43 57.7 46.1 69.1

87 25.5 22.2 33.4

59 10.2 10.0 15.0

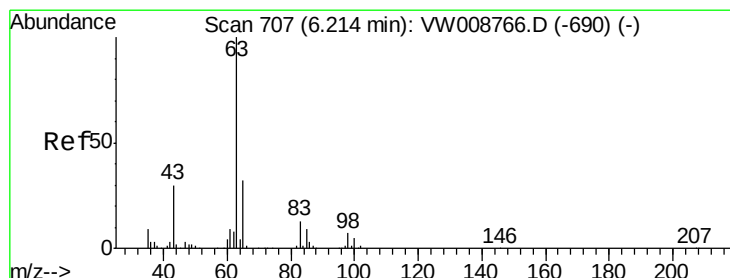
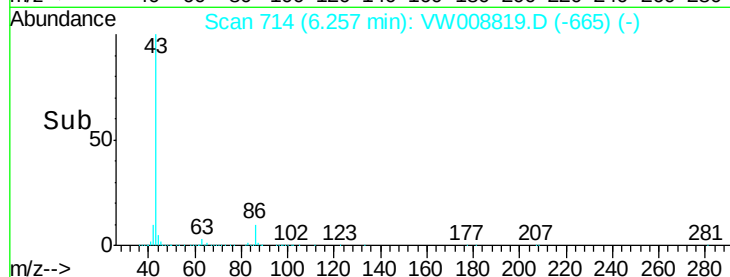
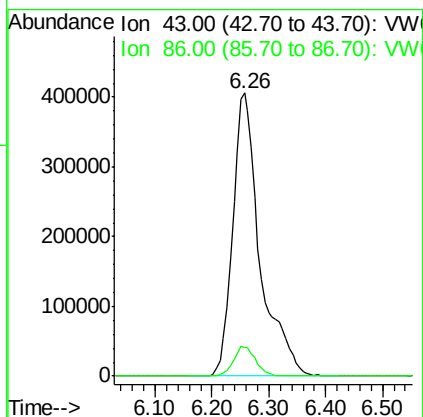
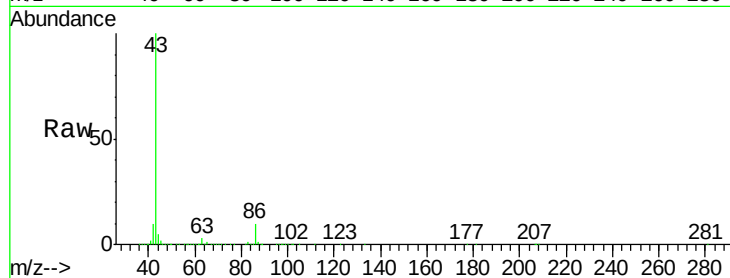




#23
 Vinyl Acetate
 Concen: 261.216 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

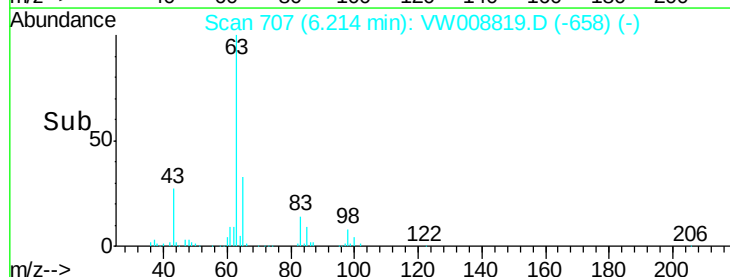
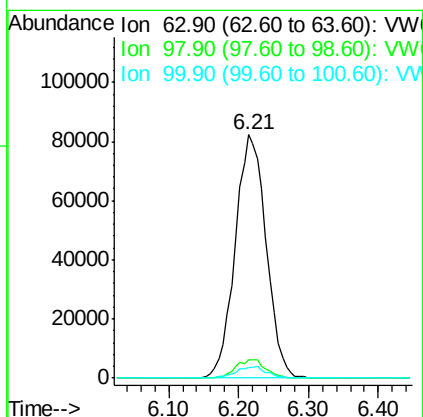
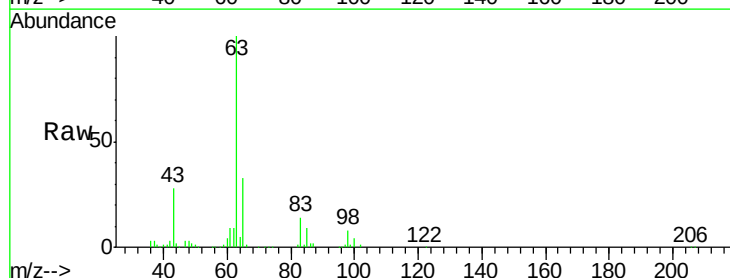
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

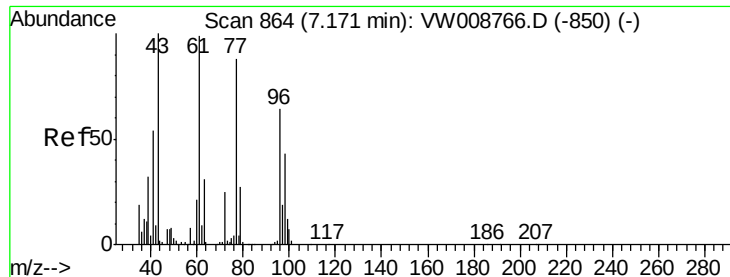
Tot Ion: 43 Resp: 1353603
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 52.001 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion: 63 Resp: 252727
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.6
 100 4.3 2.4 7.2





#25

2-Butanone

Concen: 252.408 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

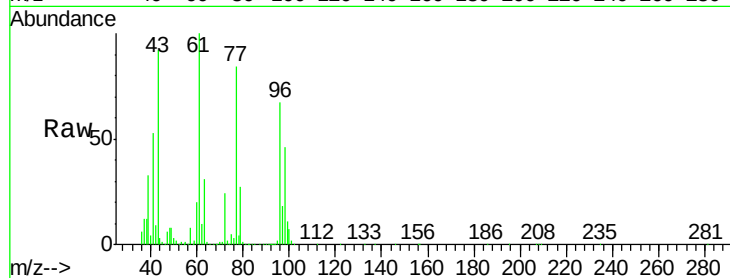
VSTDCCC050EC

Tot Ion: 43 Resp: 213444

Ion Ratio Lower Upper

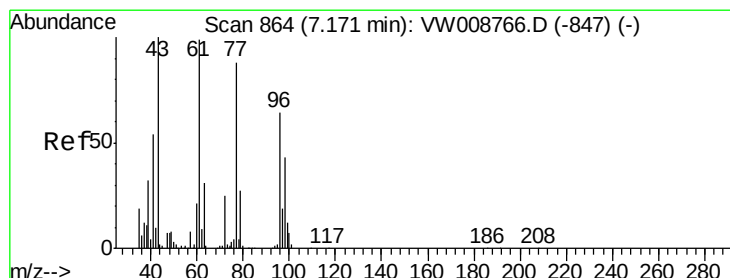
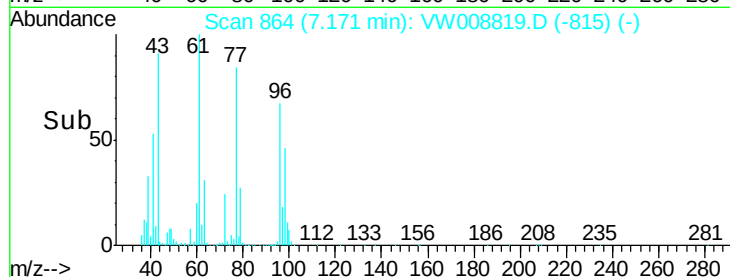
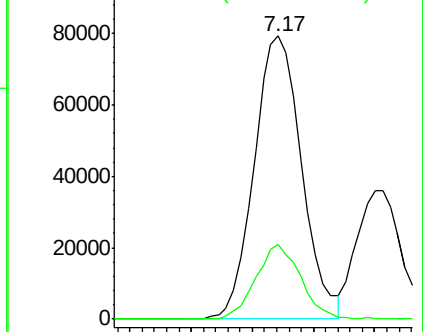
43 100

72 26.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 48.006 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008819.D

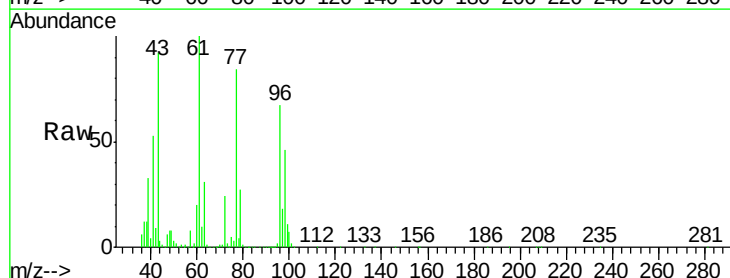
Acq: 25 Feb 2019 21:07

Tgt Ion: 77 Resp: 211819

Ion Ratio Lower Upper

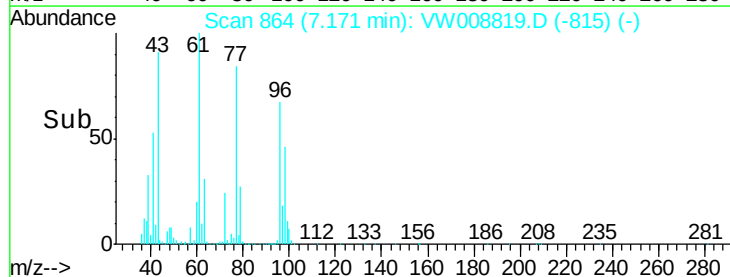
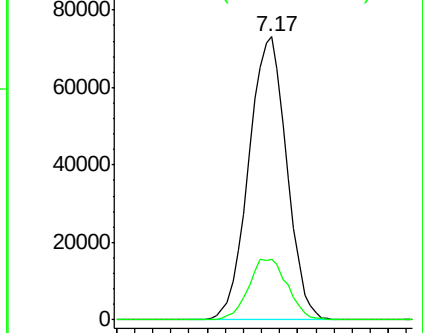
77 100

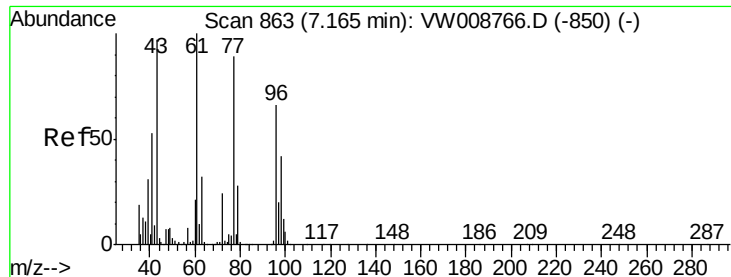
97 22.1 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



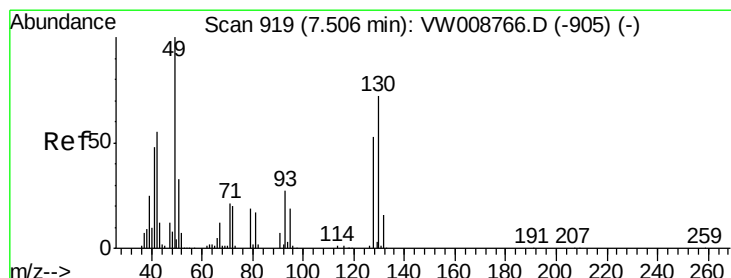
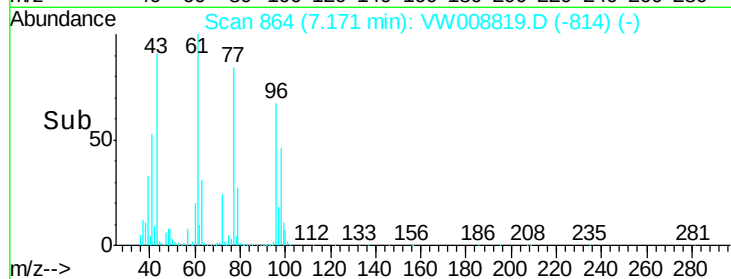
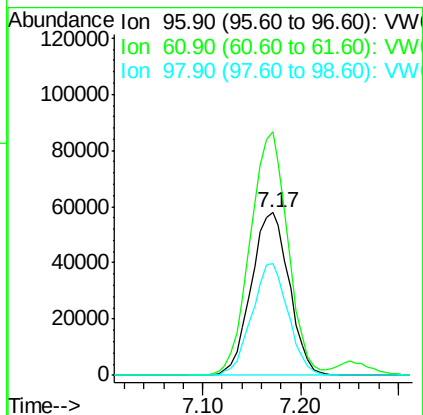
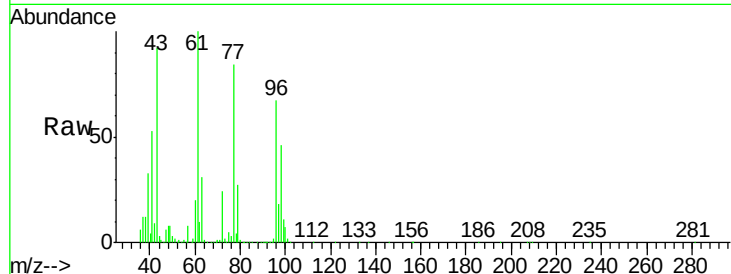


#27

cis-1,2-Dichloroethene
 Concen: 51.779 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

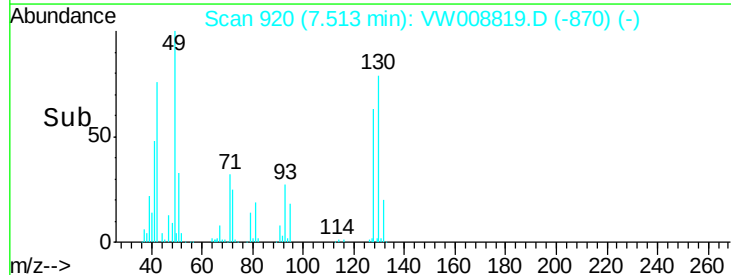
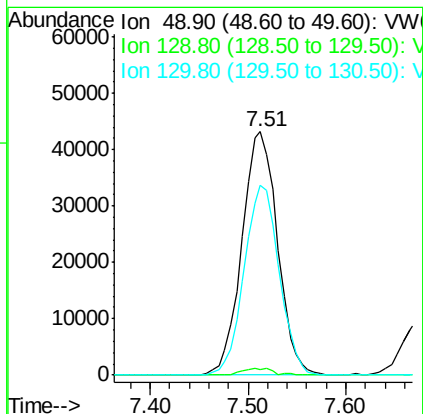
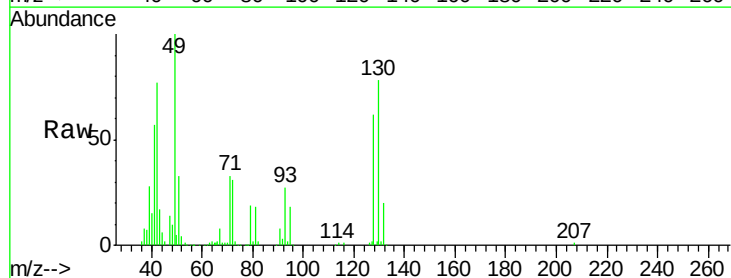
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	302.6
98	65.8	0.0	130.0

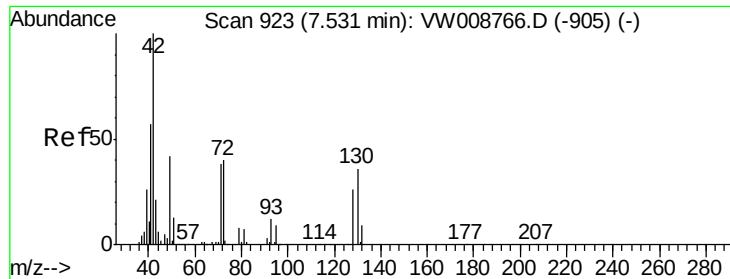


#28

Bromochloromethane
 Concen: 53.568 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.6
130	76.8	61.3	91.9





#29

Tetrahydrofuran

Concen: 254.643 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

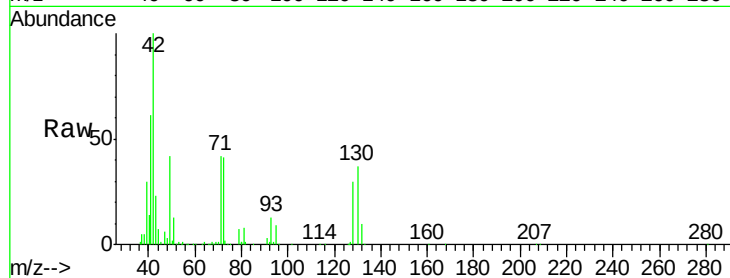
Tot Ion: 42 Resp: 137226

Ion Ratio Lower Upper

42 100

72 43.1 32.7 49.1

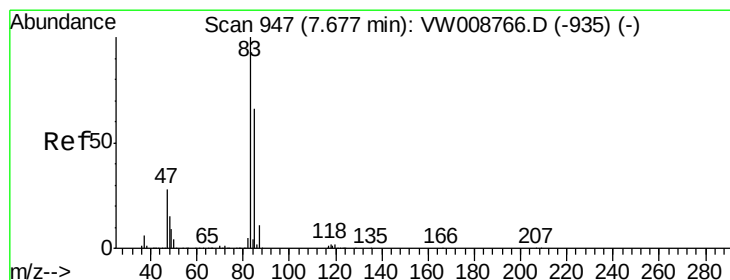
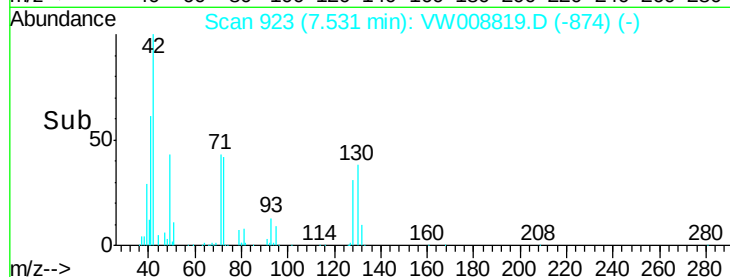
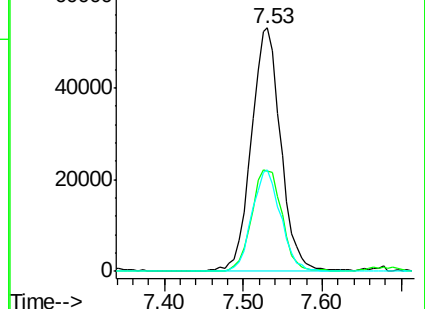
71 40.7 31.3 46.9



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: 52.408 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008819.D

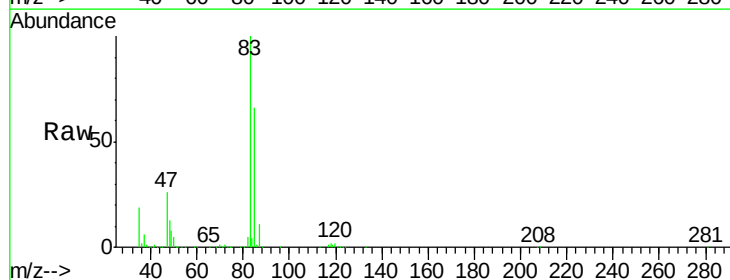
Acq: 25 Feb 2019 21:07

Tgt Ion: 83 Resp: 261299

Ion Ratio Lower Upper

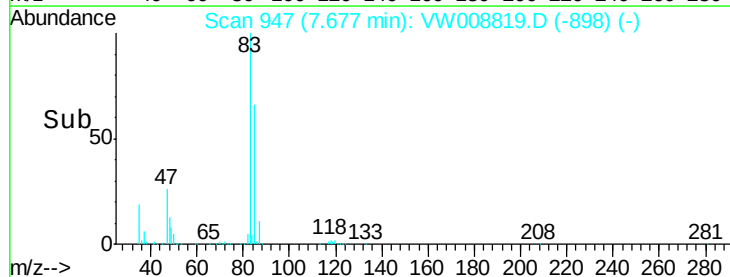
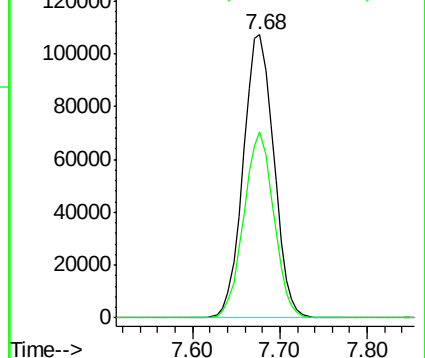
83 100

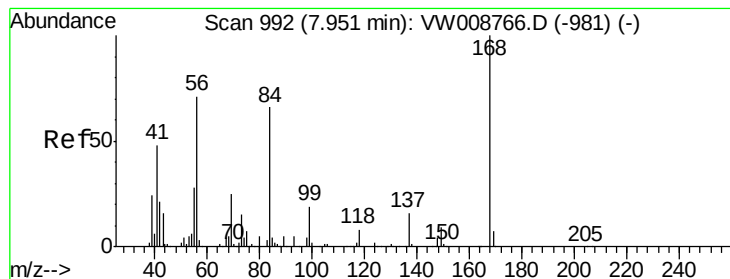
85 66.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 47.673 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

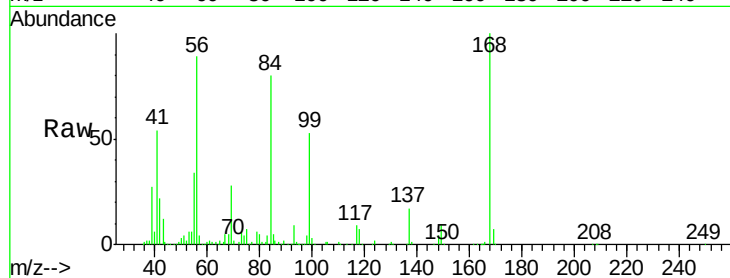
Tot Ion: 56 Resp: 234529

Ion Ratio Lower Upper

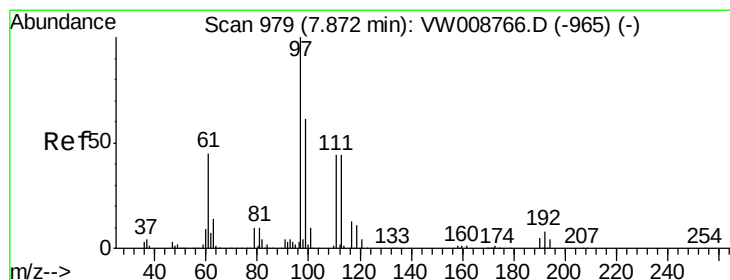
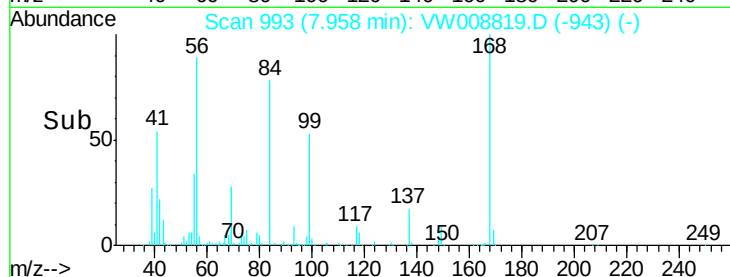
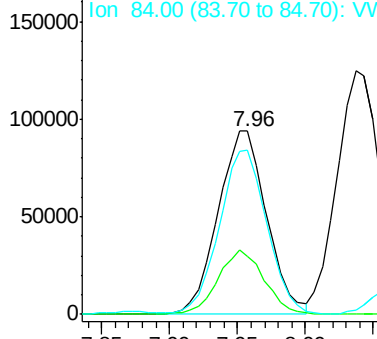
56 100

69 31.4 28.2 42.4

84 88.9 74.1 111.1



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



#32

1,1,1-Trichloroethane

Concen: 51.105 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

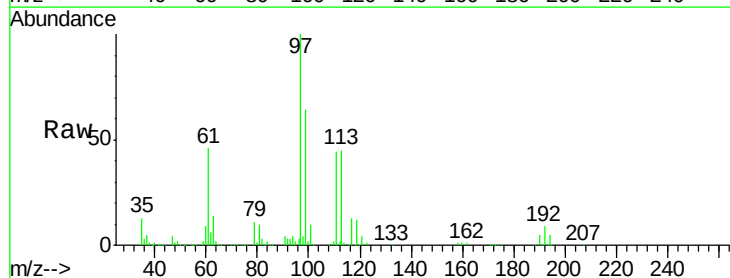
Tgt Ion: 97 Resp: 231718

Ion Ratio Lower Upper

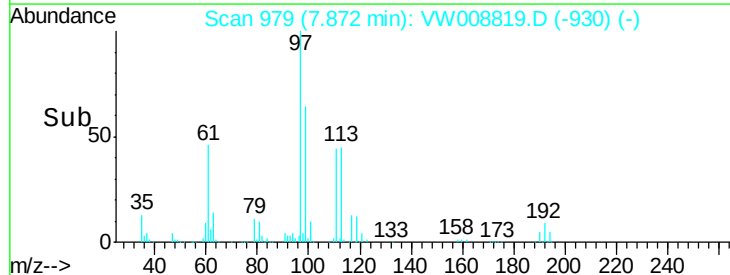
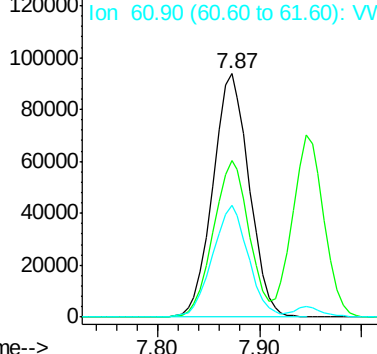
97 100

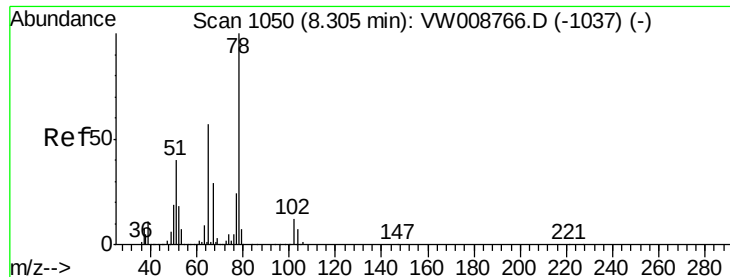
99 63.4 50.8 76.2

61 45.4 36.0 54.0



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

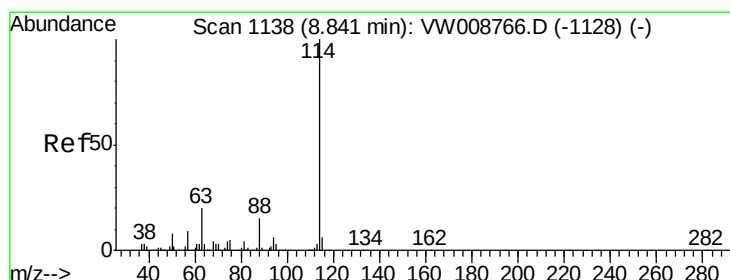
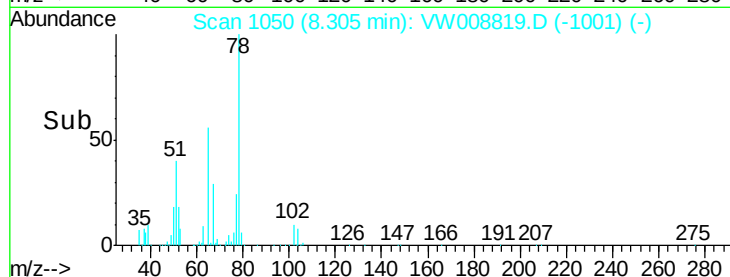
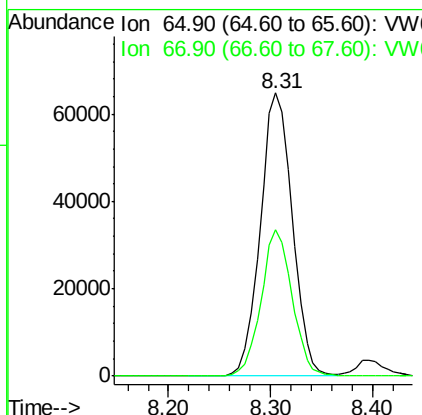
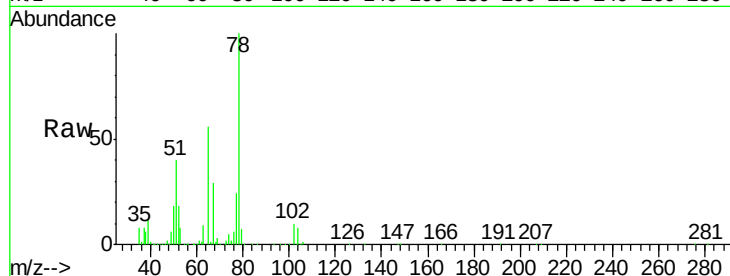




#33
 1,2-Dichloroethane-d4
 Concen: 54.133 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

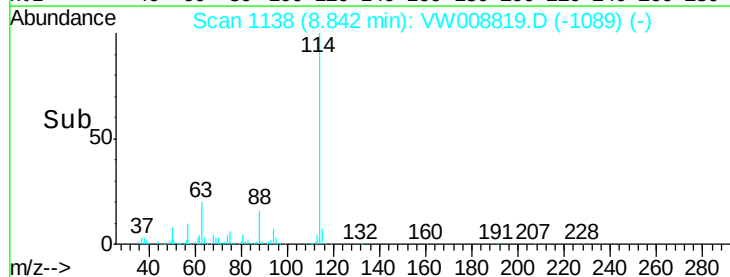
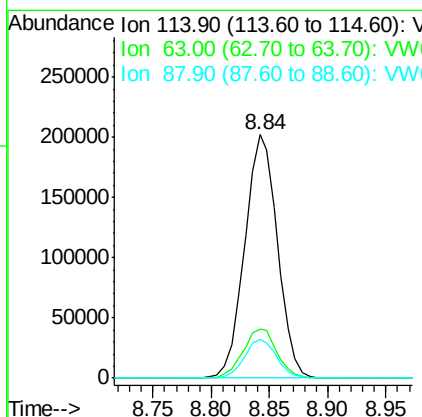
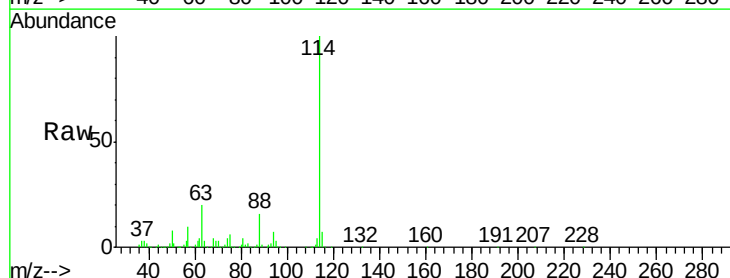
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

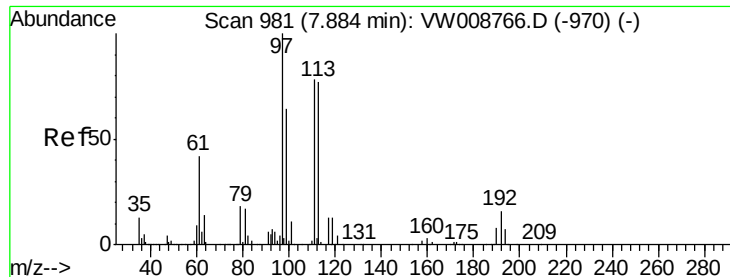
Tot Ion: 65 Resp: 141260
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion: 114 Resp: 397193
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.9 0.0 30.4

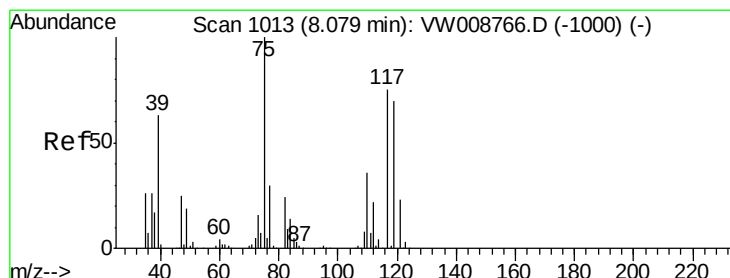
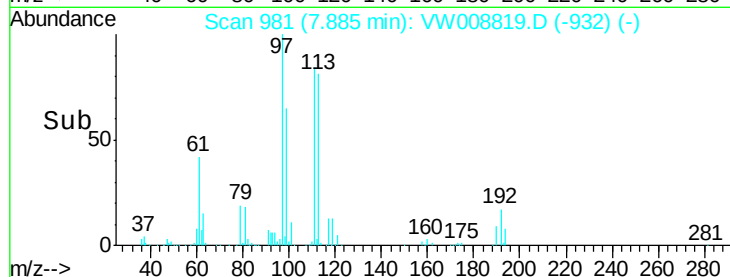
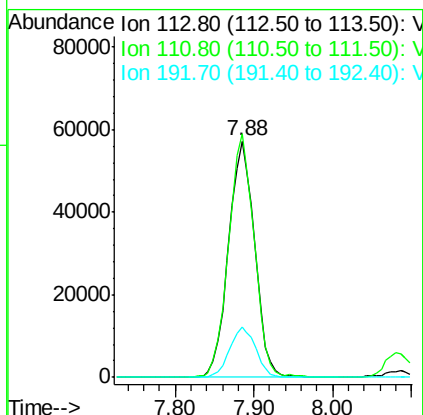
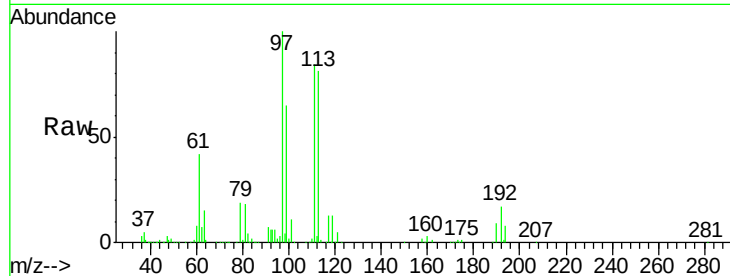




#35
 Dibromofluoromethane
 Concen: 55.449 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

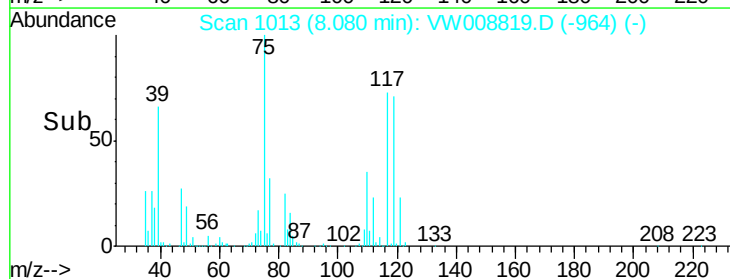
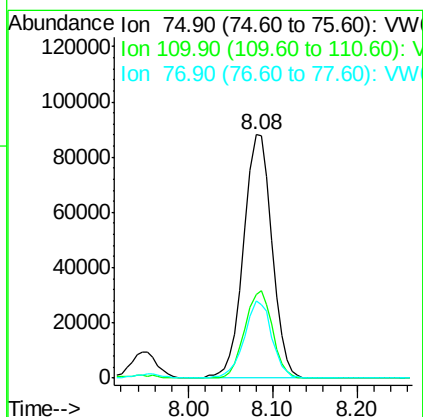
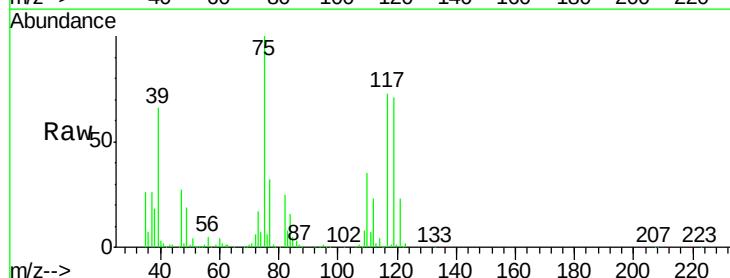
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

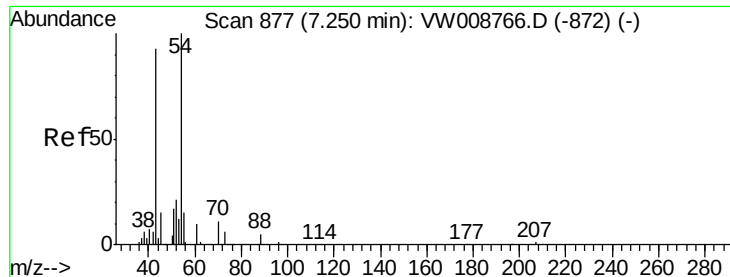
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.9	122.9
192	21.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 51.813 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.6
77	30.6	24.5	36.7

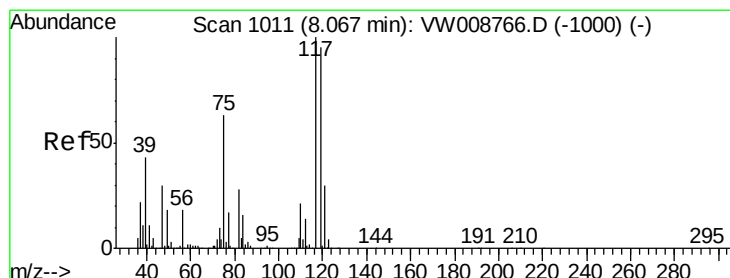
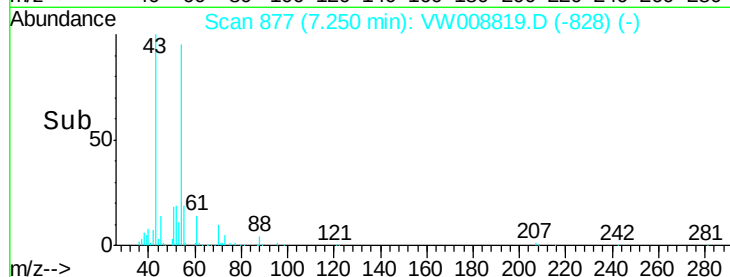
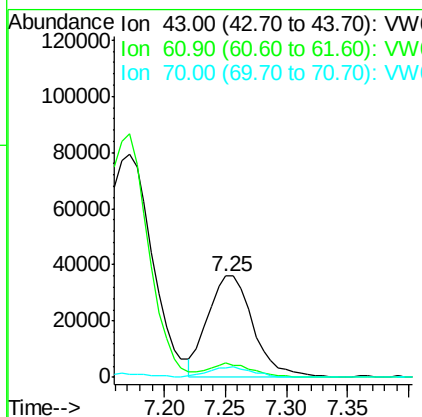
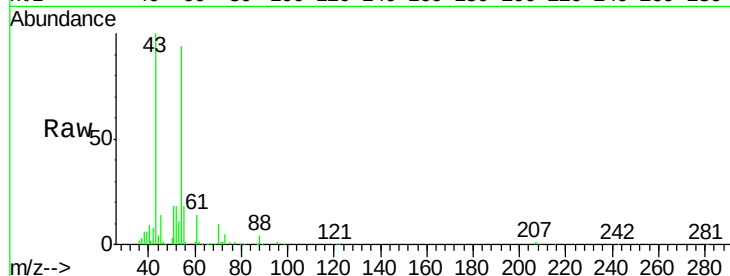




#37
Ethyl Acetate
Concen: 51.006 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

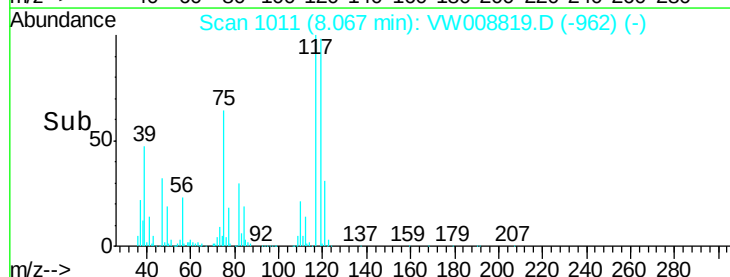
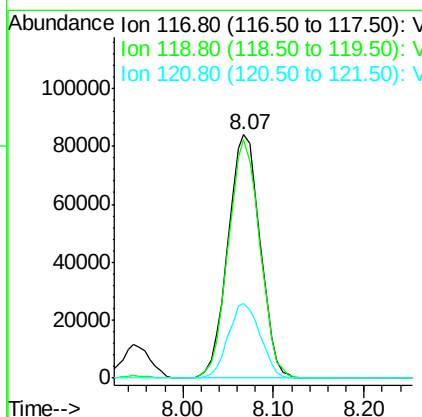
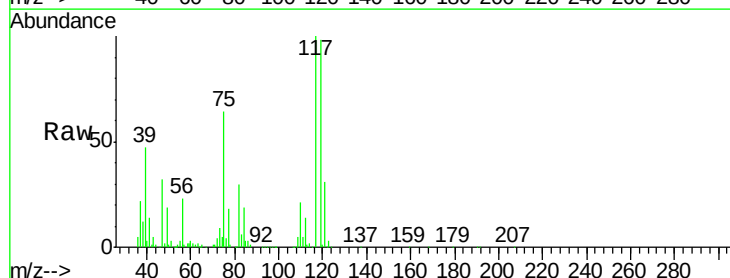
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

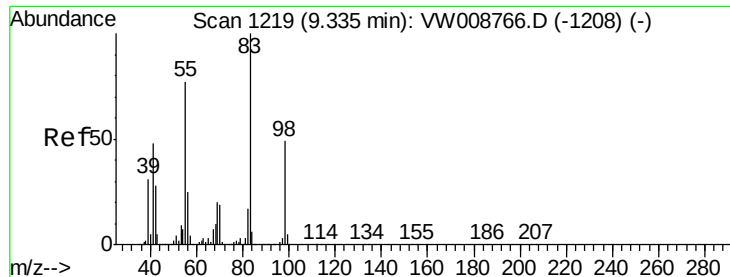
Tot Ion: 43 Resp: 91708
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.8
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.766 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 117 Resp: 206999
Ion Ratio Lower Upper
117 100
119 97.8 76.1 114.1
121 30.8 24.0 36.0

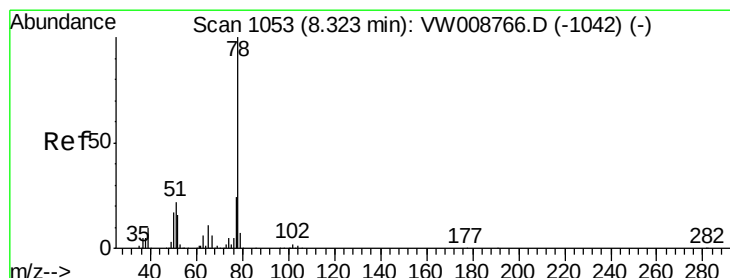
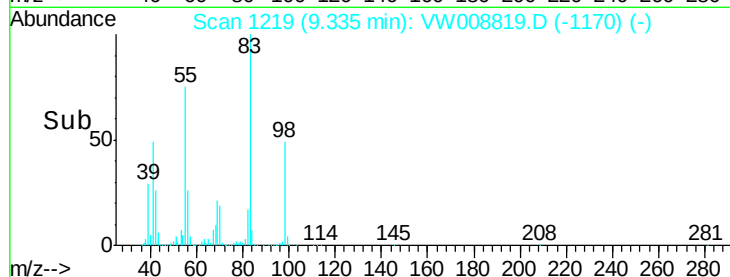
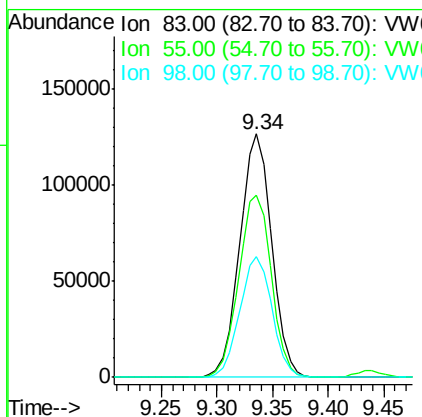
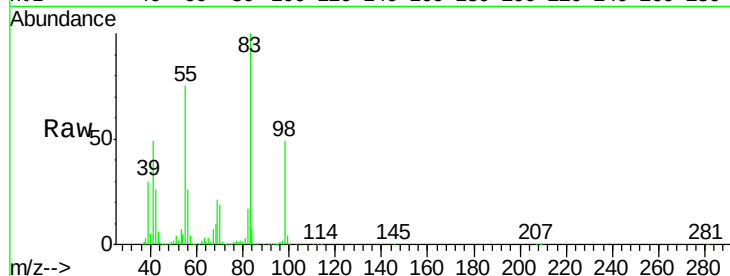




#39
Methylvlcyclohexane
Concen: 52.365 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

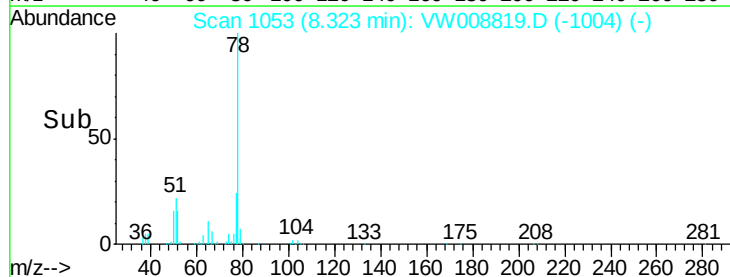
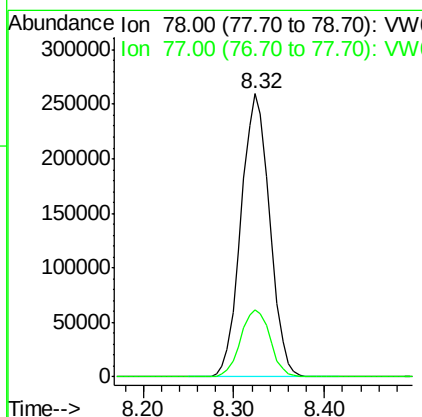
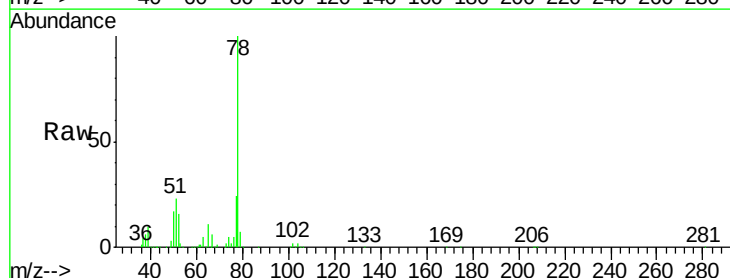
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

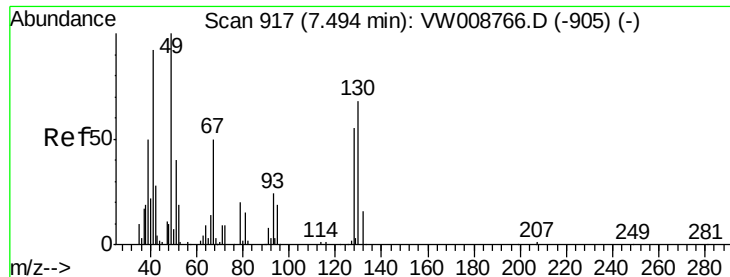
Tot Ion: 83 Resp: 252537
Ion Ratio Lower Upper
83 100
55 74.8 61.2 91.8
98 49.3 39.4 59.2



#40
Benzene
Concen: 53.968 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 78 Resp: 569718
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

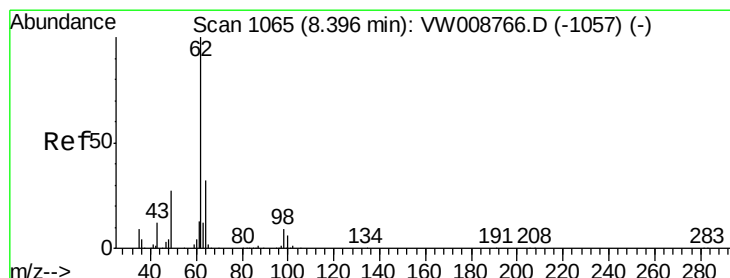
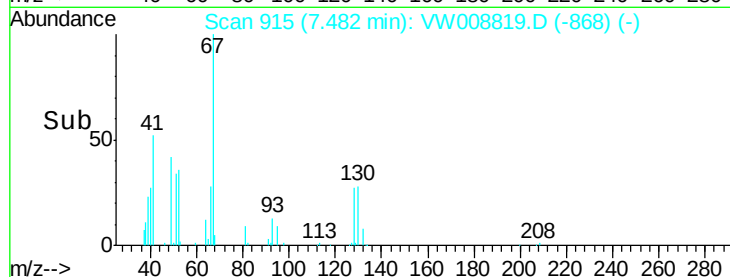
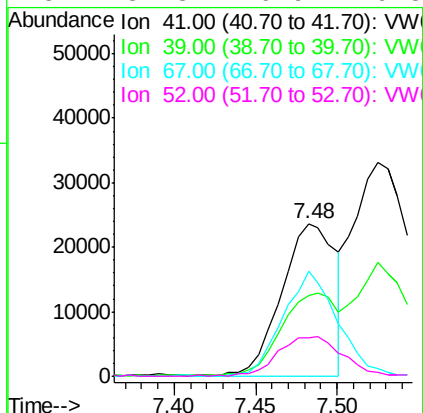
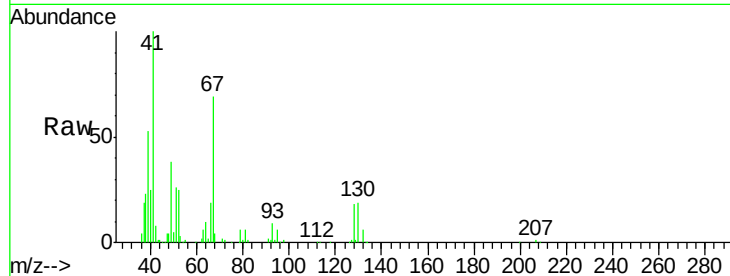




#41
Methacrylonitrile
Concen: 51.238 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

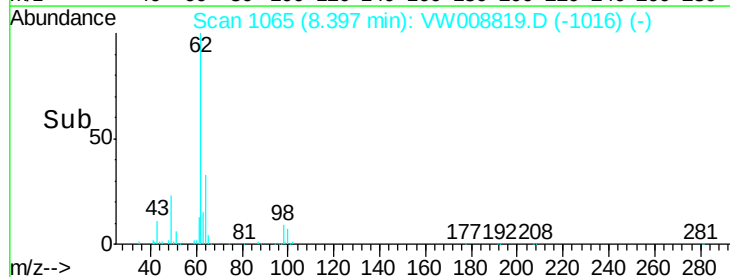
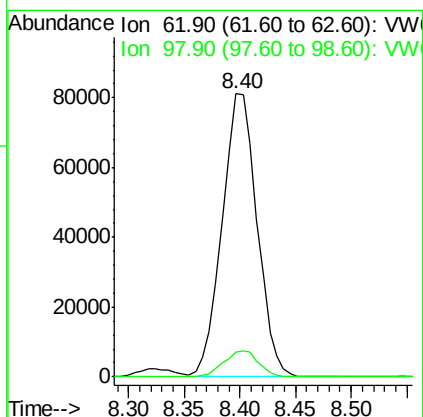
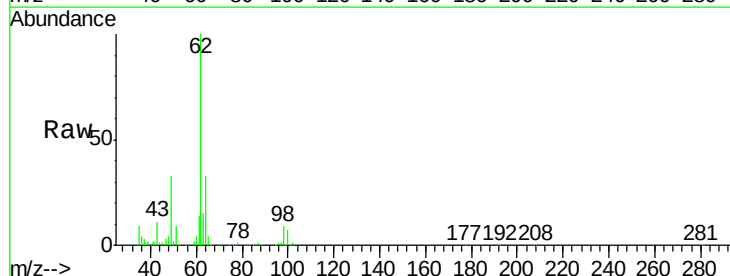
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

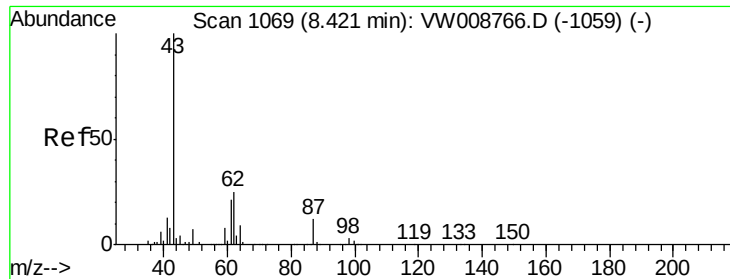
Tot Ion:	41	Resp:	54151
Ion	Ratio	Lower	Upper
41	100		
39	55.0	52.5	78.7
67	70.3	55.0	82.6
52	31.3	26.9	40.3



#42
1,2-Dichloroethane
Concen: 52.843 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion:	62	Resp:	176712
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 51.930 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

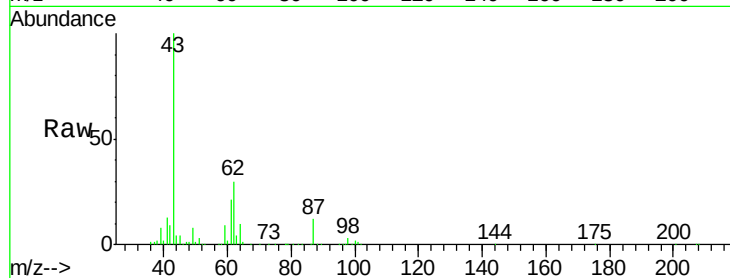
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 186347

Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.2	34.8
87	12.4	9.9	14.9

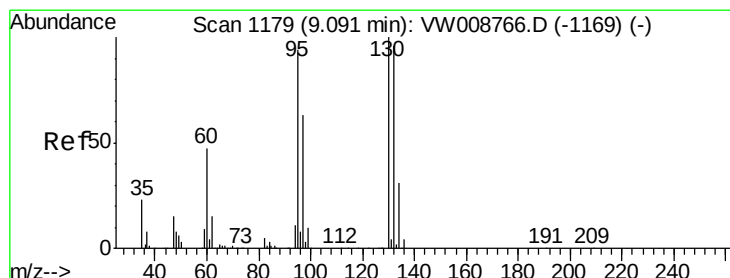
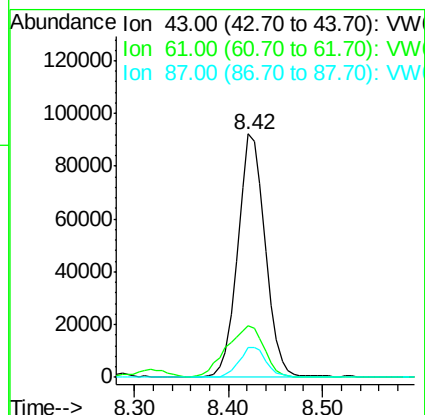
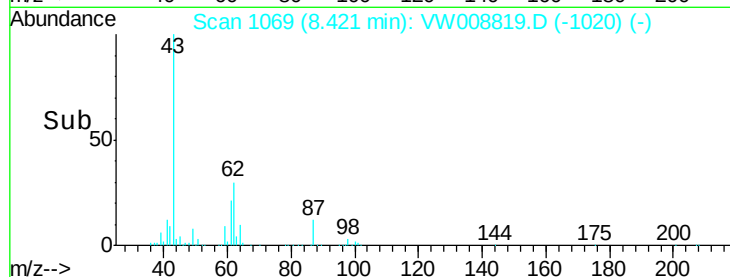


Abundance

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: 52.608 ug/l

RT: 9.09 min Scan# 1179

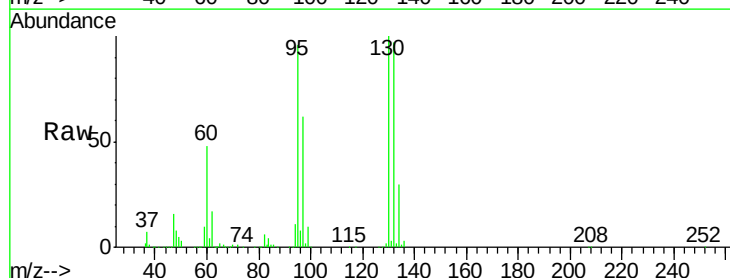
Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Tgt Ion: 130 Resp: 156450

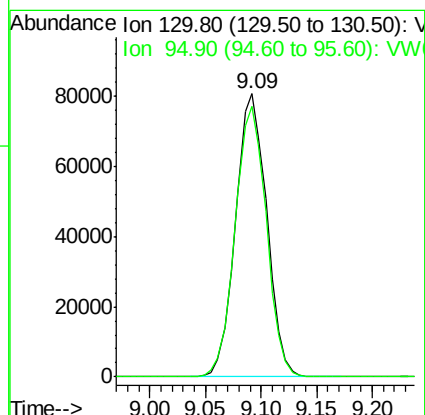
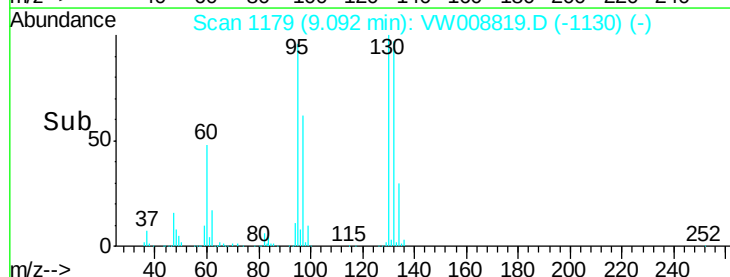
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	188.6

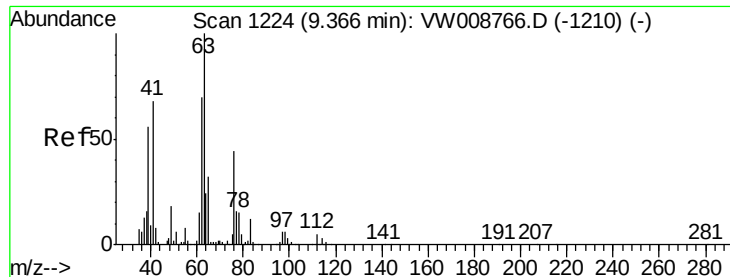


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 53.850 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

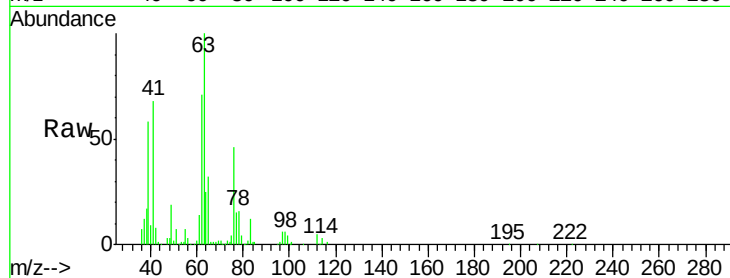
VSTDCCC050EC

Tot Ion: 63 Resp: 140478

Ion Ratio Lower Upper

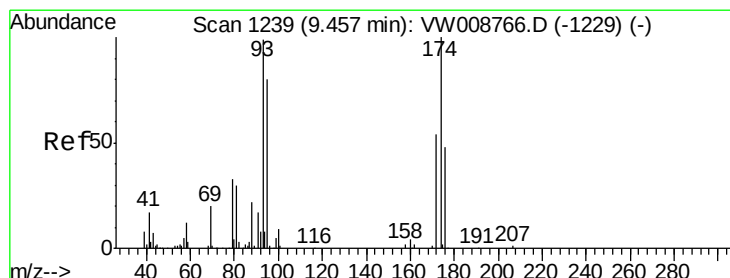
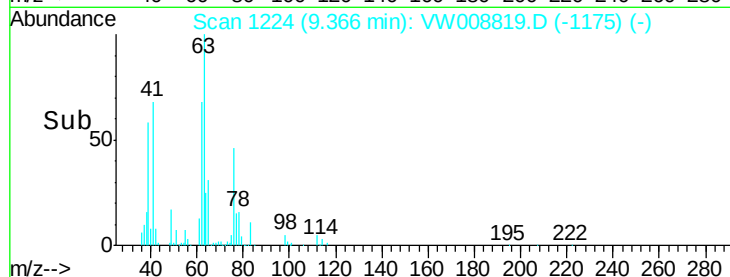
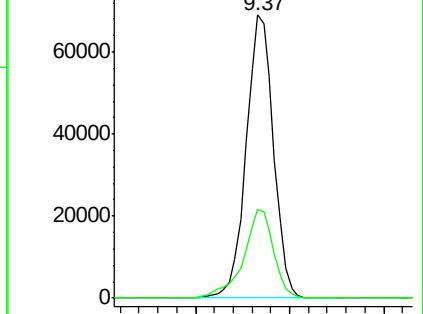
63 100

65 31.5 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 53.607 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

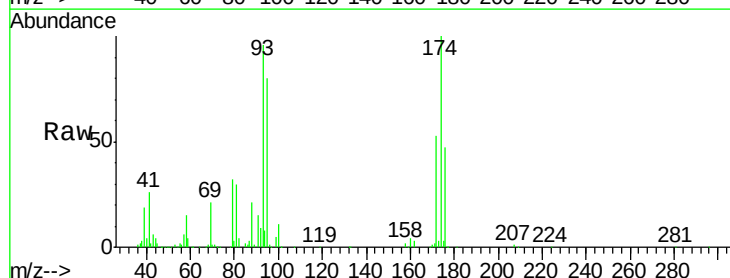
Tgt Ion: 93 Resp: 77786

Ion Ratio Lower Upper

93 100

95 81.7 67.7 101.5

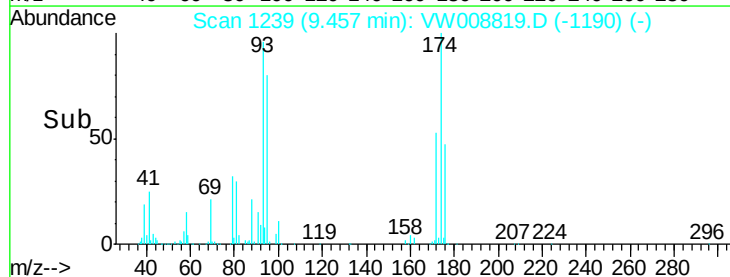
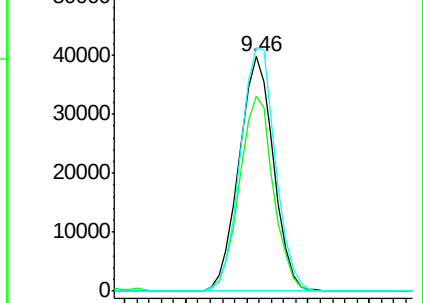
174 105.5 86.7 130.1

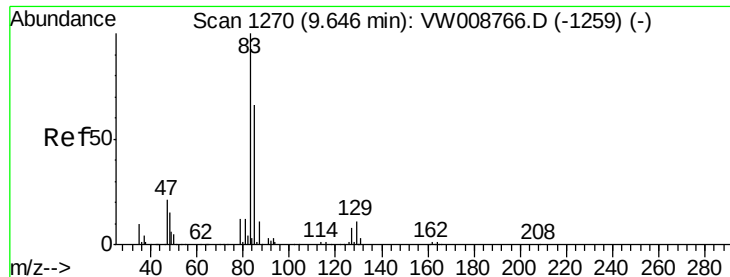


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

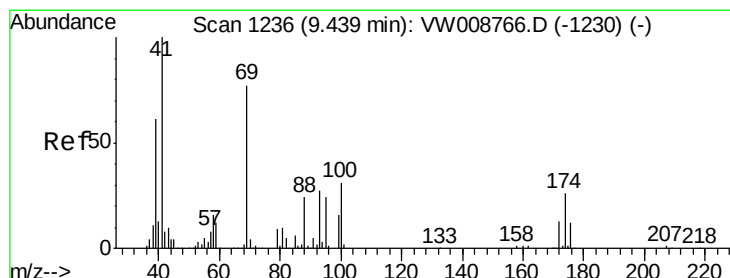
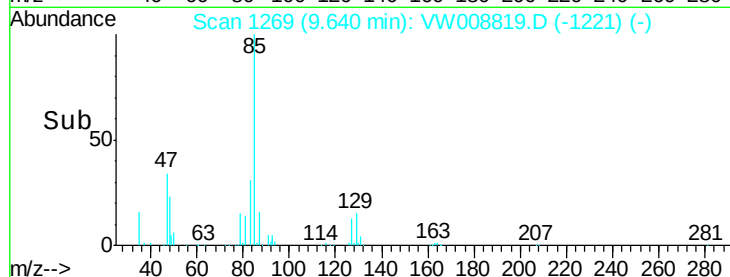
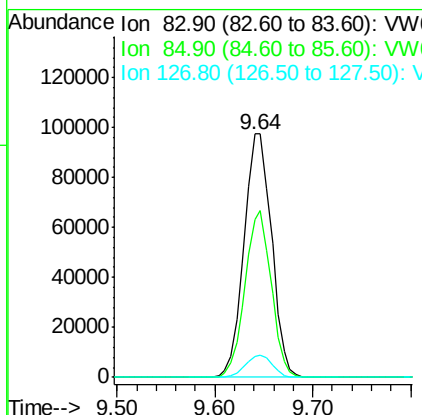
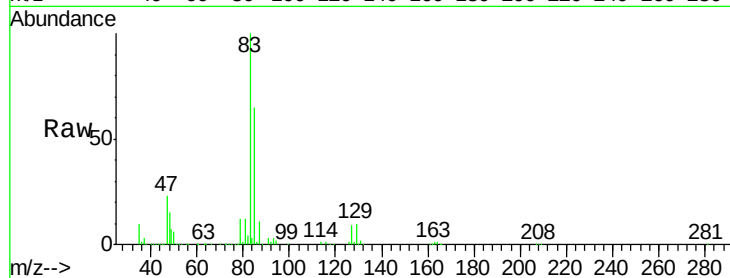




#47
Bromodichloromethane
Concen: 54.139 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

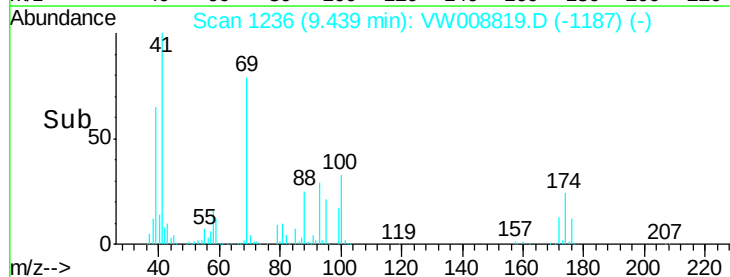
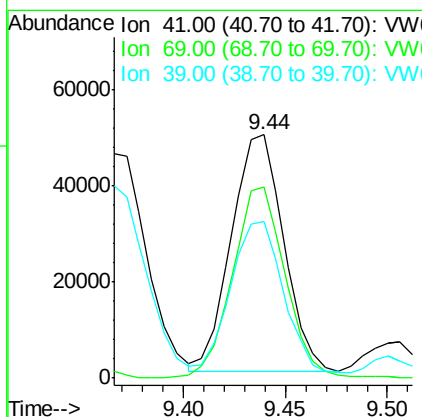
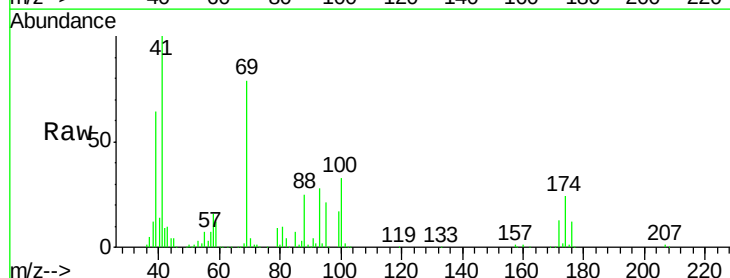
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

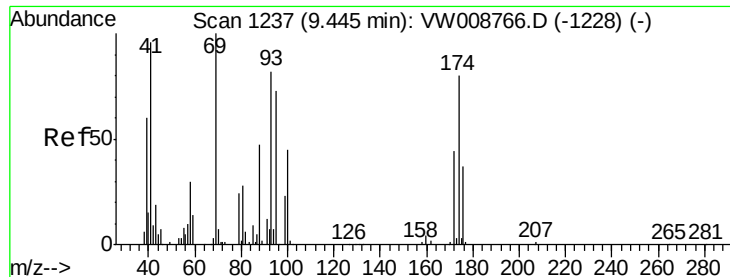
Tot Ion: 83 Resp: 191132
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7
127 8.5 6.7 10.1



#48
Methyl methacrylate
Concen: 51.149 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 41 Resp: 87907
Ion Ratio Lower Upper
41 100
69 81.7 63.6 95.4
39 69.0 52.1 78.1

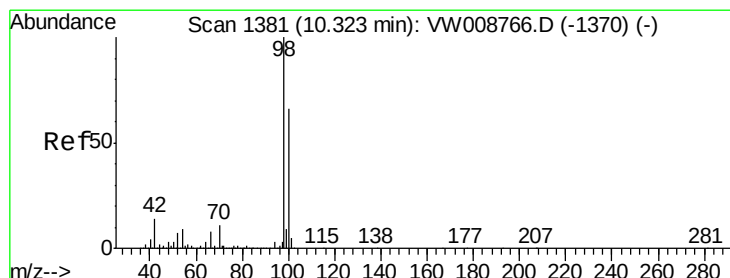
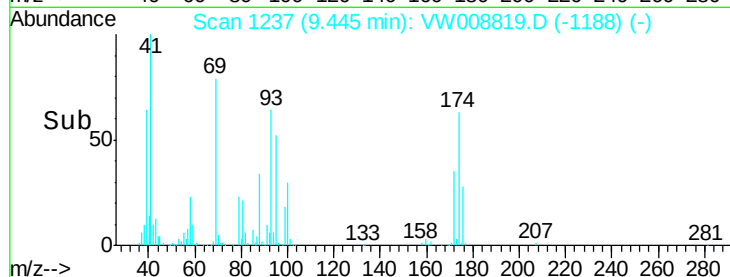
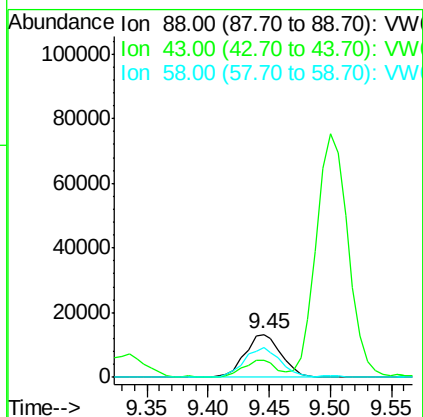
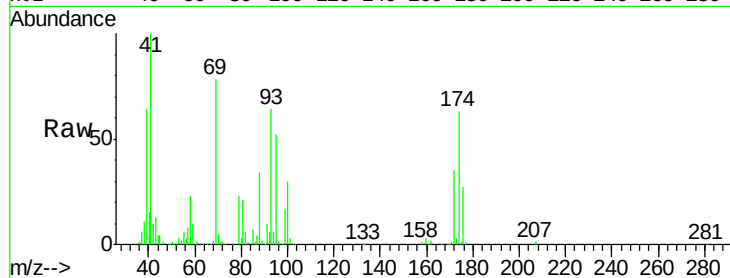




#49
1,4-Dioxane
Concen: 1170.757 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

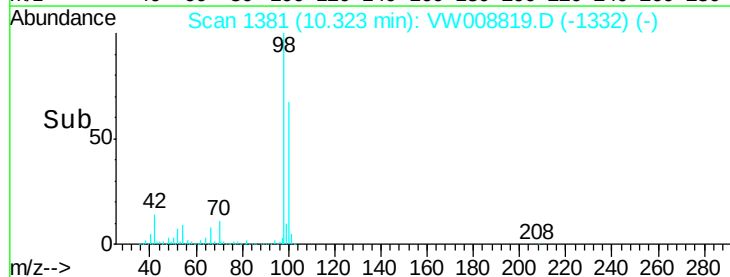
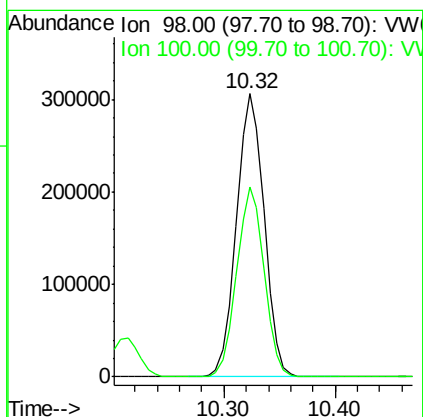
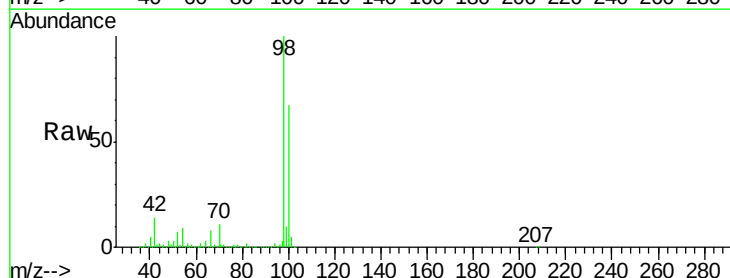
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

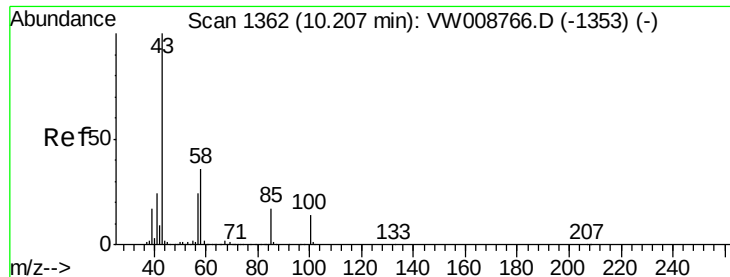
Tot Ion: 88 Resp: 27205
Ion Ratio Lower Upper
88 100
43 35.7 29.0 43.4
58 69.3 52.0 78.0



#50
Toluene-d8
Concen: 57.170 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 98 Resp: 526307
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

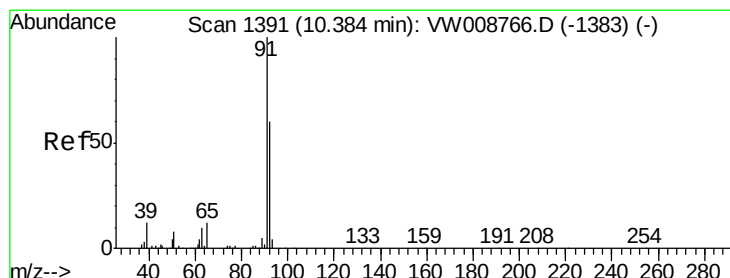
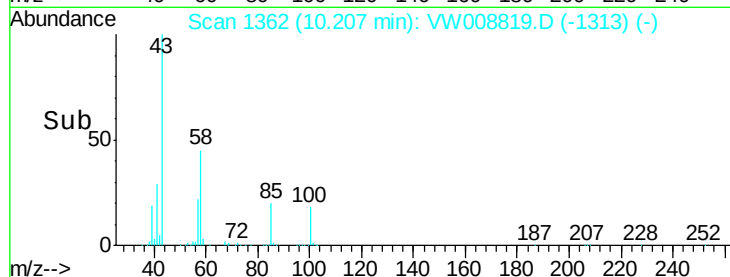
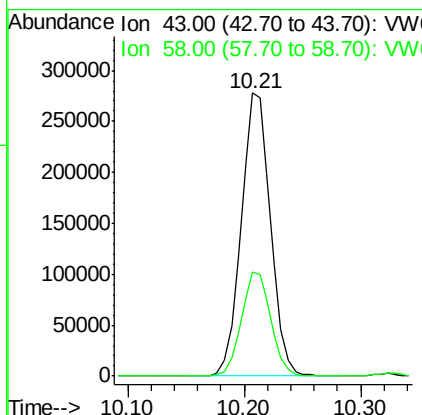
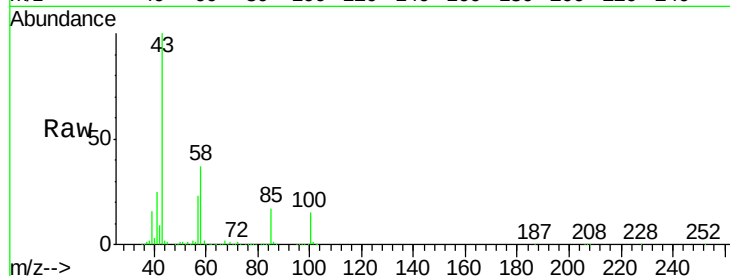




#51
4-Methyl-2-Pentanone
Concen: 266.028 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

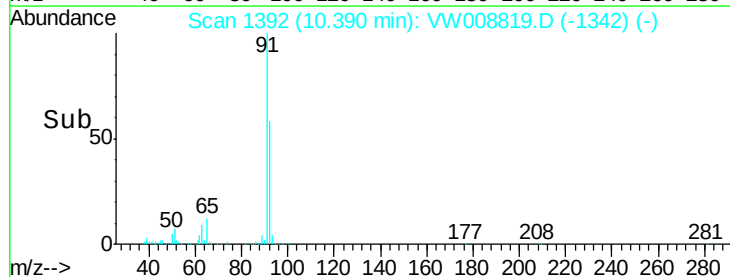
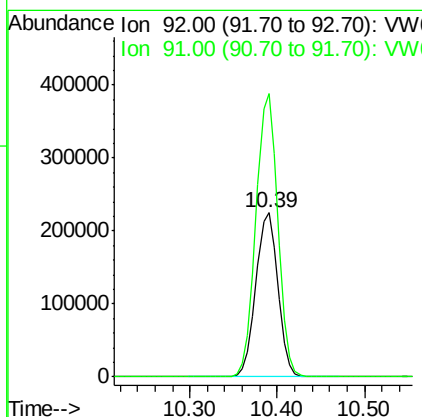
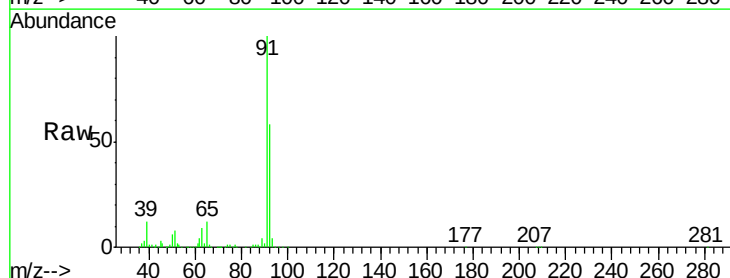
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

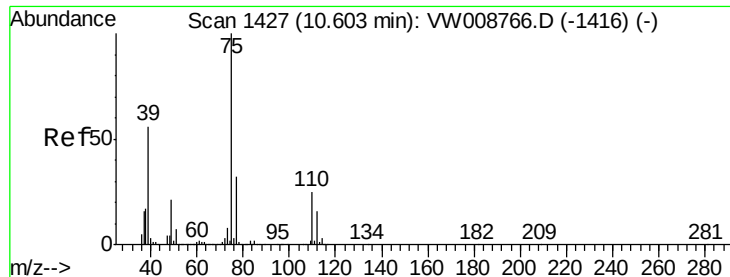
Tot Ion: 43 Resp: 484657
Ion Ratio Lower Upper
43 100
58 37.1 29.1 43.7



#52
Toluene
Concen: 55.056 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 92 Resp: 394447
Ion Ratio Lower Upper
92 100
91 170.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 53.210 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

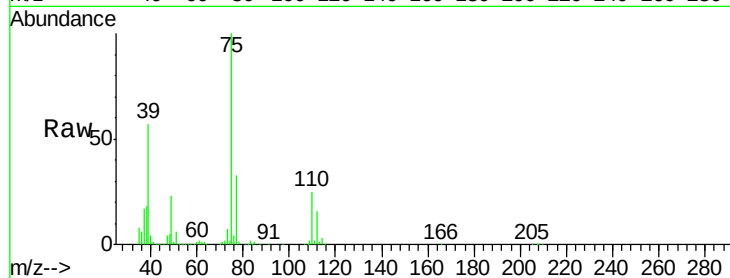
VSTDCCC050EC

Tot Ion: 75 Resp: 191473

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

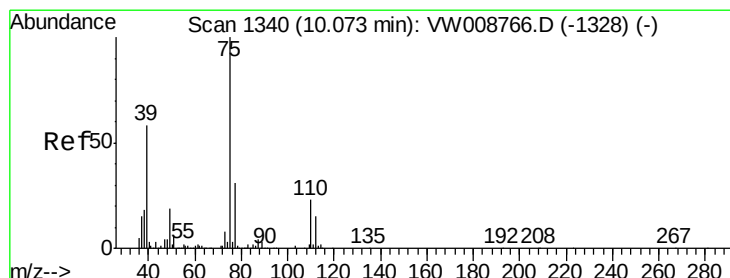
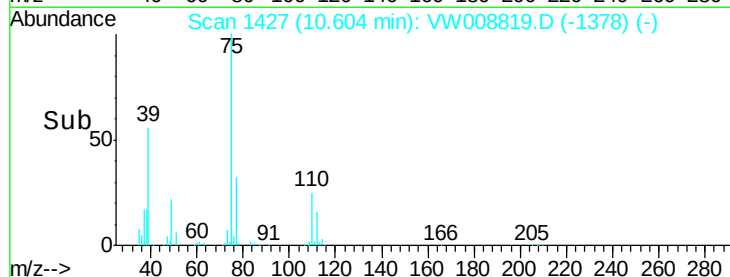
60000

40000

20000

0

Time--> 10.50 10.60



#54

cis-1,3-Dichloropropene

Concen: 53.896 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

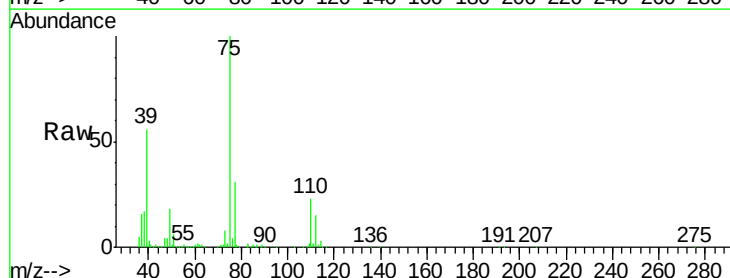
Tgt Ion: 75 Resp: 221194

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 56.0 46.6 70.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

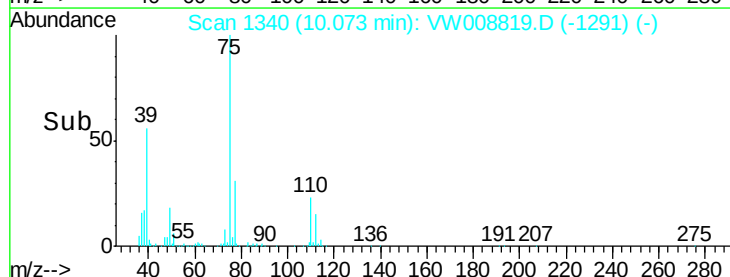
150000

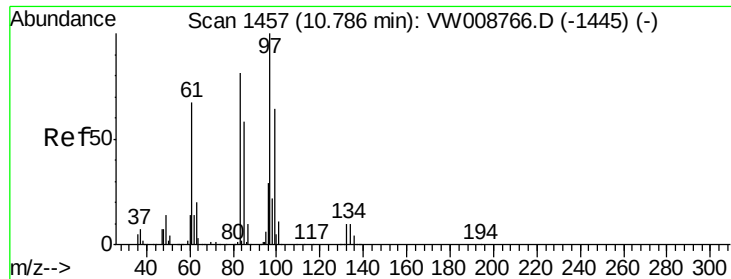
100000

50000

0

Time--> 10.00 10.10

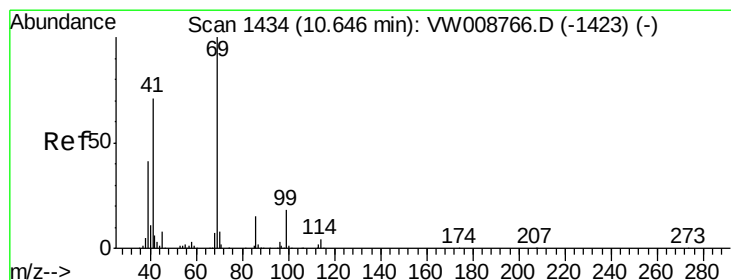
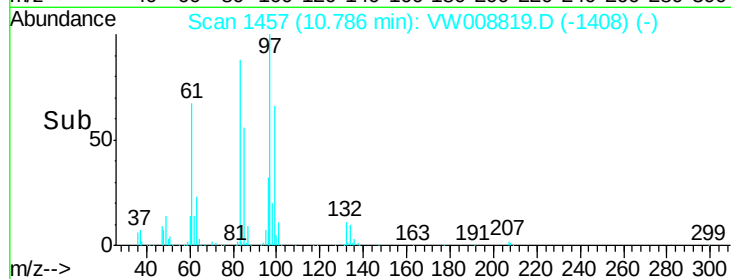
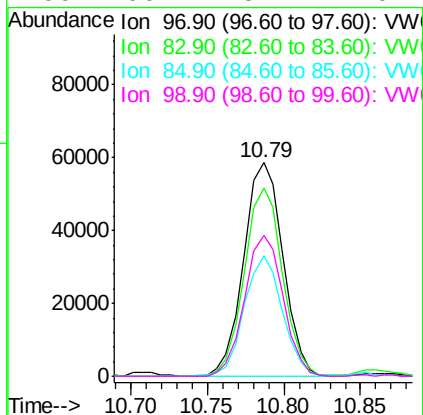
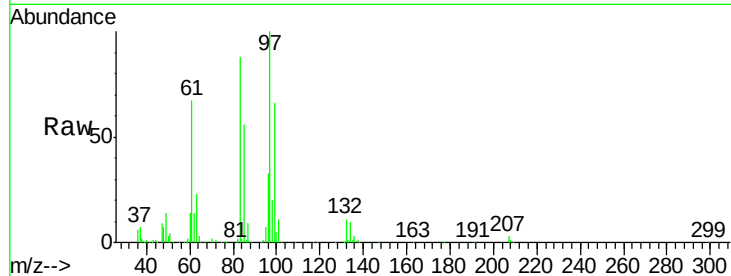




#55
 1,1,2-Trichloroethane
 Concen: 53.232 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

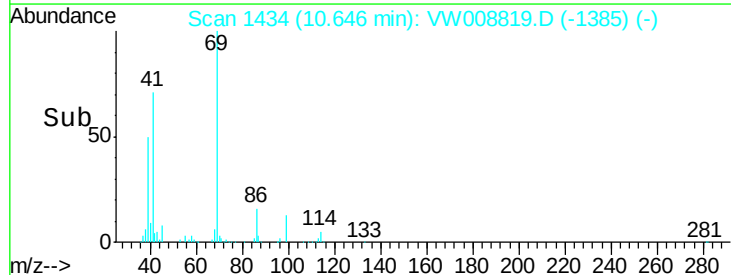
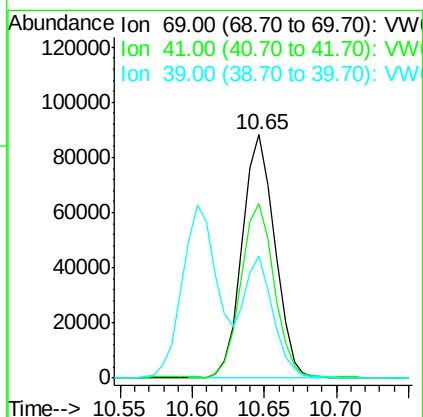
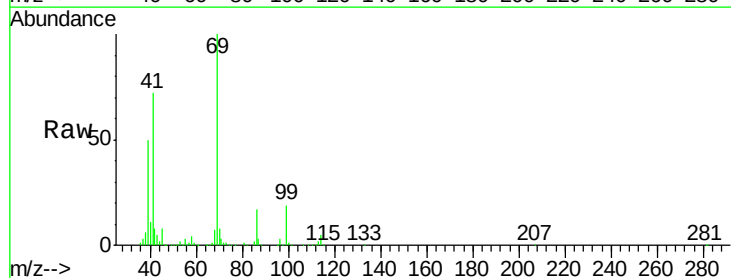
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

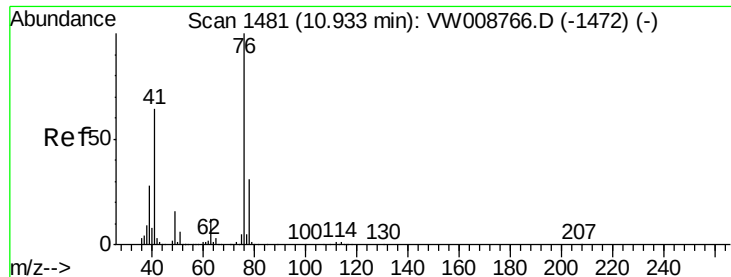
Tot Ion:	97	Resp:	104752
Ion	Ratio	Lower	Upper
97	100		
83	87.8	65.0	97.6
85	56.2	46.0	69.0
99	66.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 54.369 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion:	69	Resp:	139002
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.4	86.0
39	44.8	34.8	52.2





#57

1,3-Dichloropropane

Concen: 53.257 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

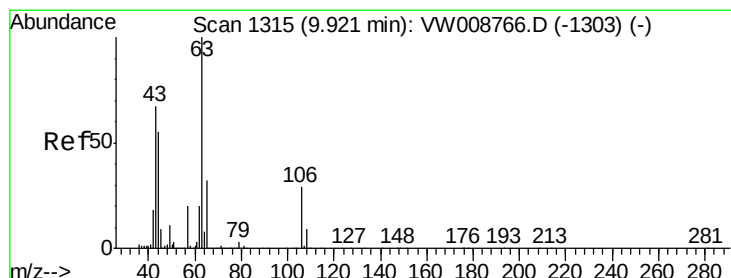
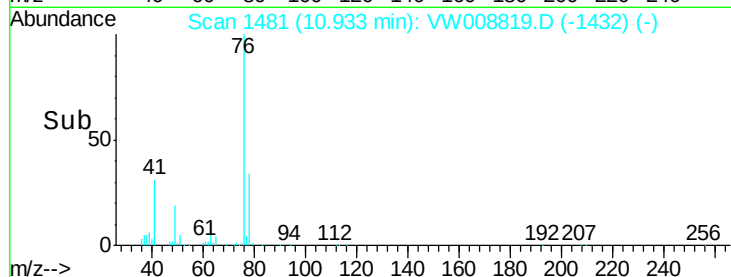
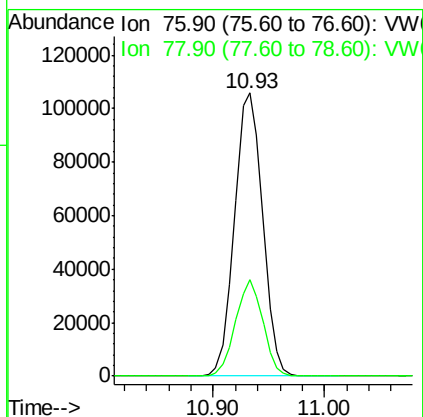
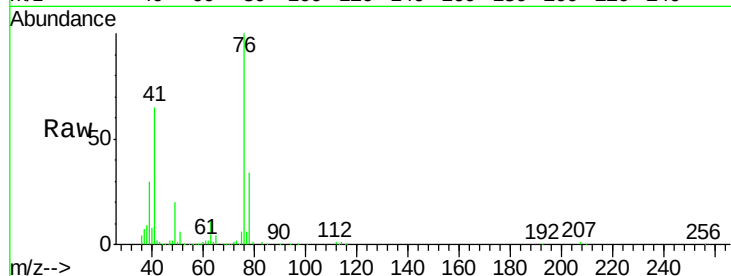
VSTDCCC050EC

Tot Ion: 76 Resp: 185040

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 255.488 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW008819.D

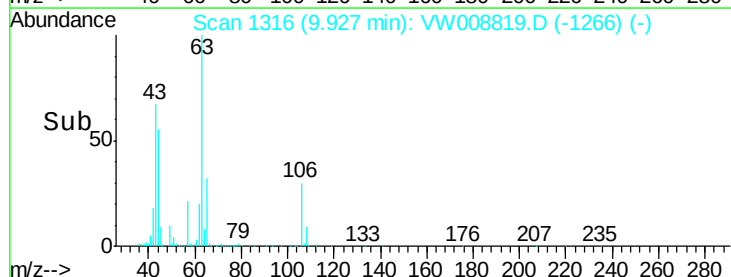
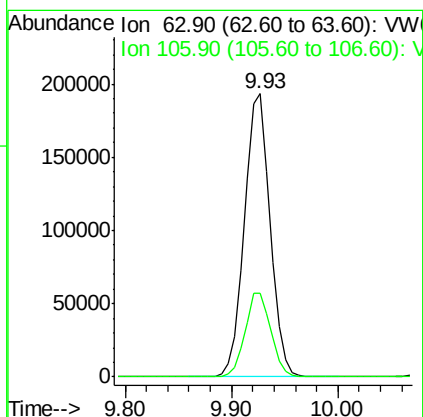
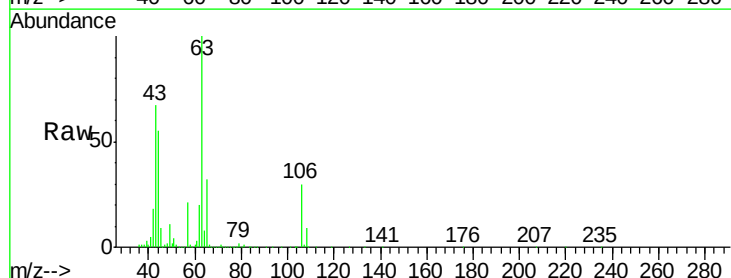
Acq: 25 Feb 2019 21:07

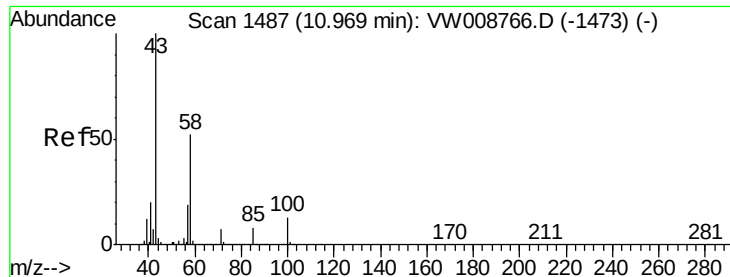
Tgt Ion: 63 Resp: 328520

Ion Ratio Lower Upper

63 100

106 29.8 24.0 36.0

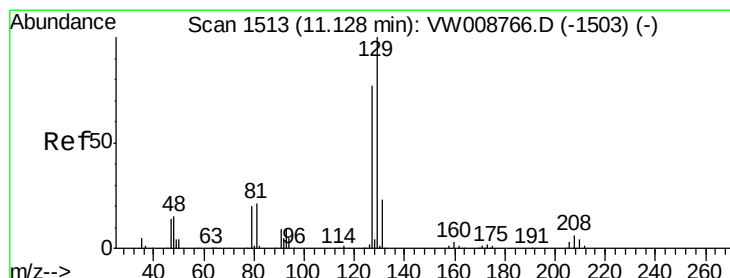
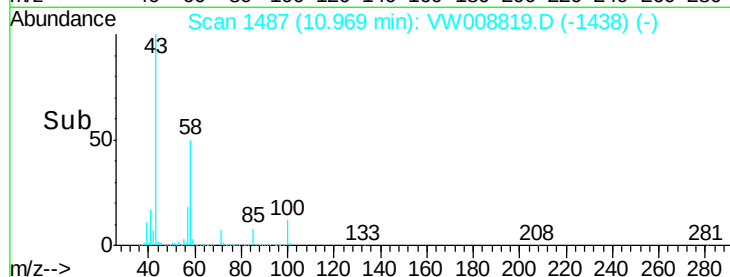
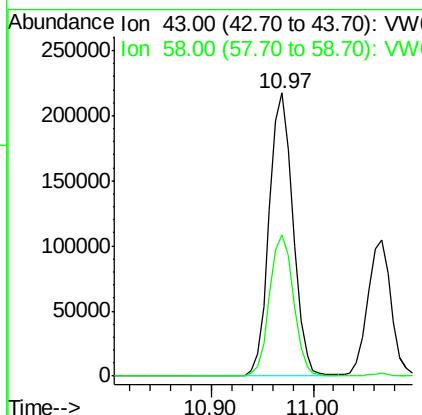
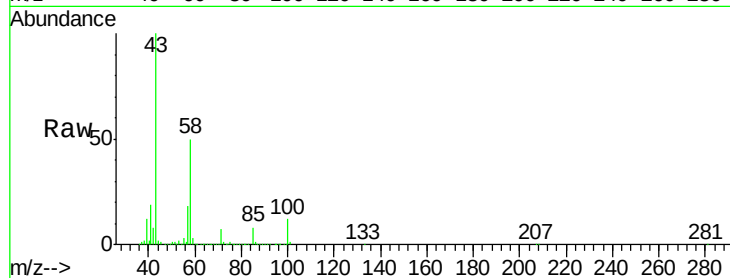




#59
2-Hexanone
Concen: 270.120 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

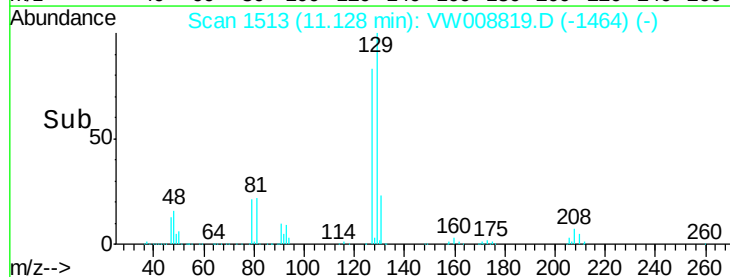
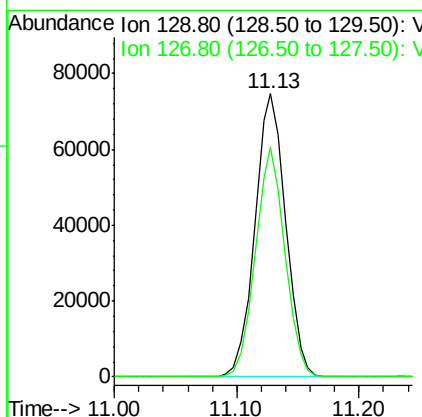
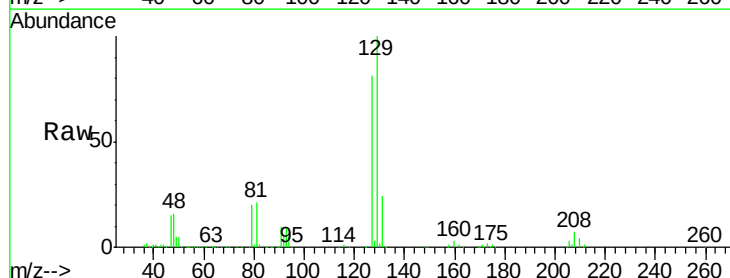
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

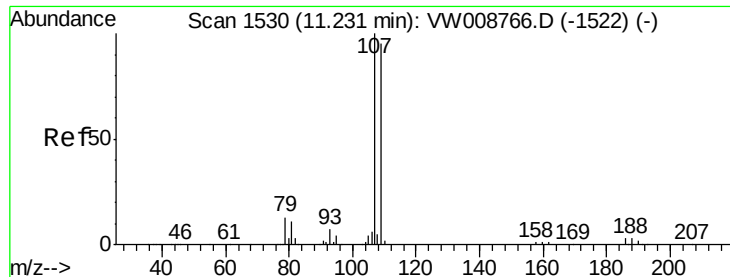
Tot Ion: 43 Resp: 350307
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.8



#60
Dibromochloromethane
Concen: 54.357 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 129 Resp: 130469
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

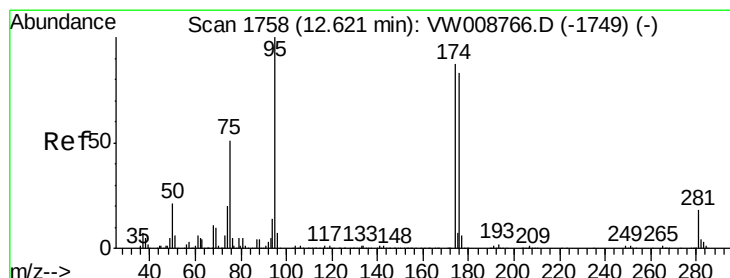
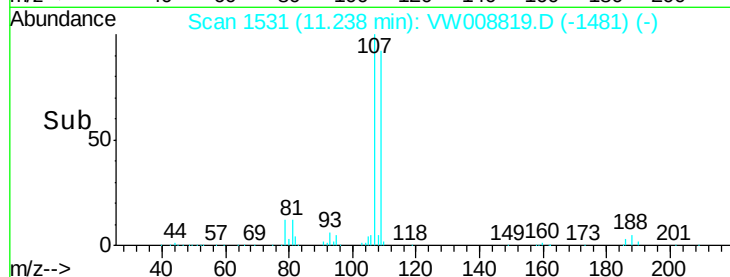
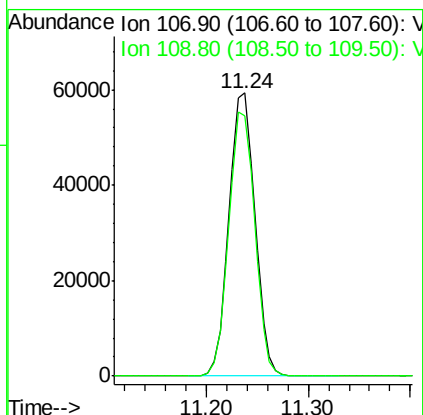
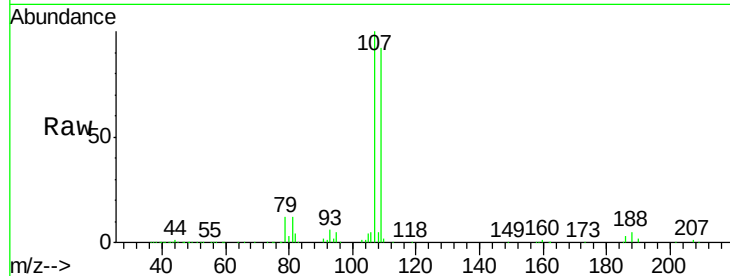




#61
 1,2-Dibromoethane
 Concen: 53.847 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

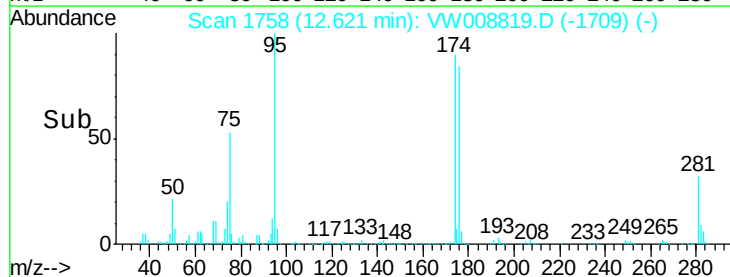
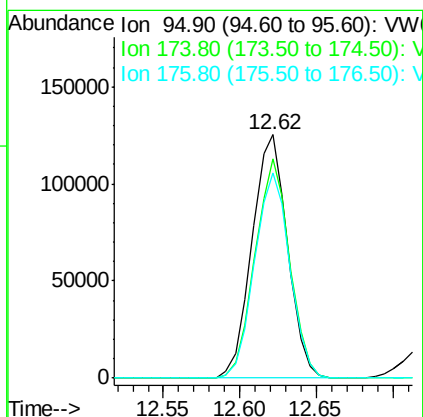
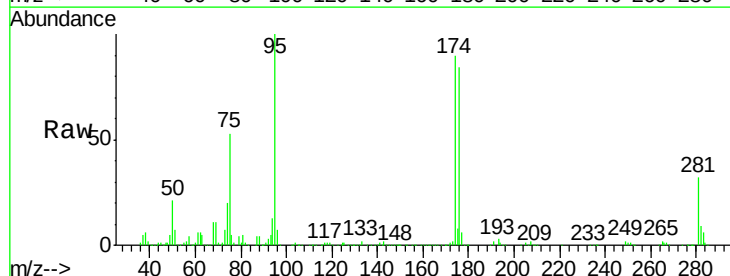
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

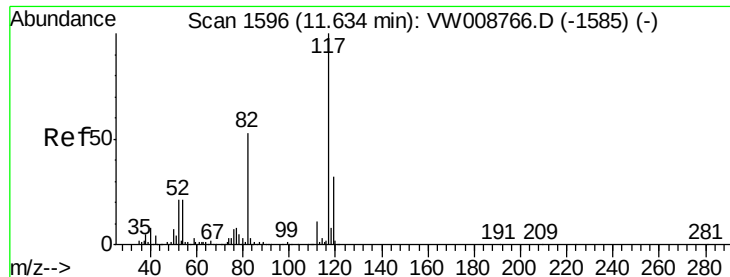
Tot Ion:107 Resp: 104886
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 56.050 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion: 95 Resp: 202036
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 169.2
 176 84.2 0.0 163.6

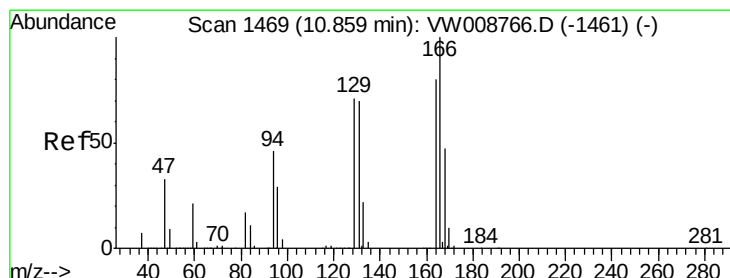
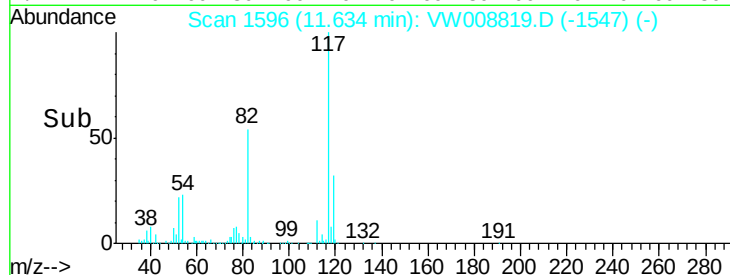
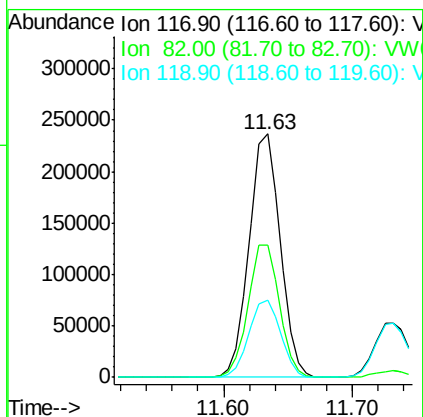
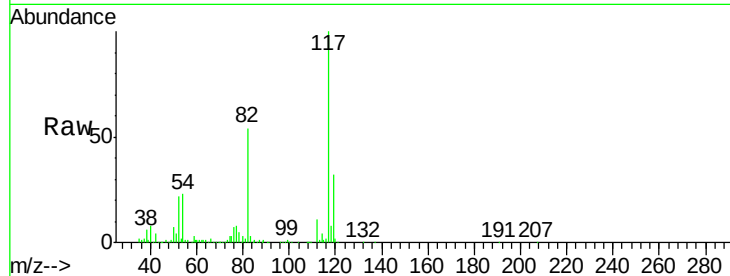




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

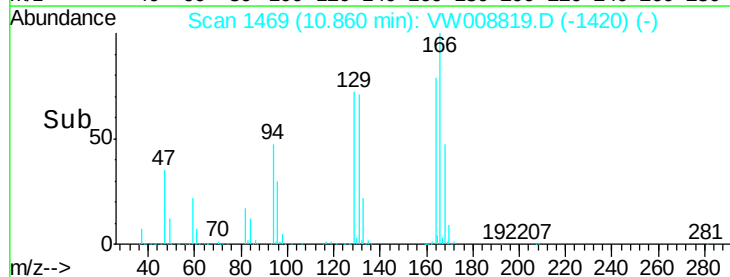
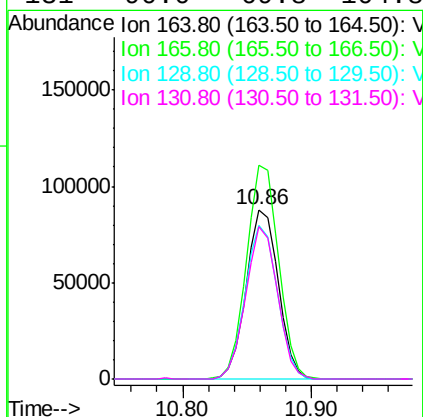
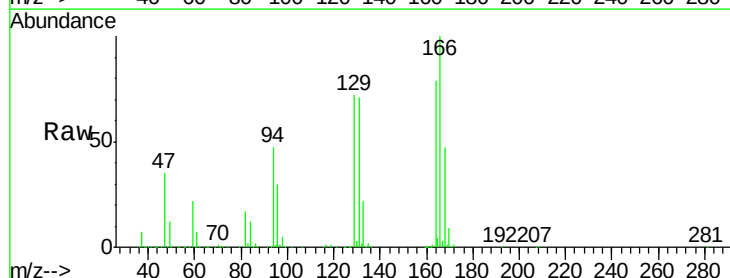
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

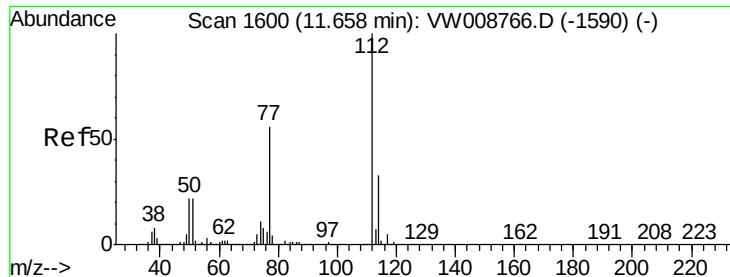
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	31.8	25.9	38.9



#64
Tetrachloroethene
Concen: 53.453 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.5	149.3
129	90.7	71.1	106.7
131	90.0	69.8	104.8





#65

Chlorobenzene

Concen: 53.289 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

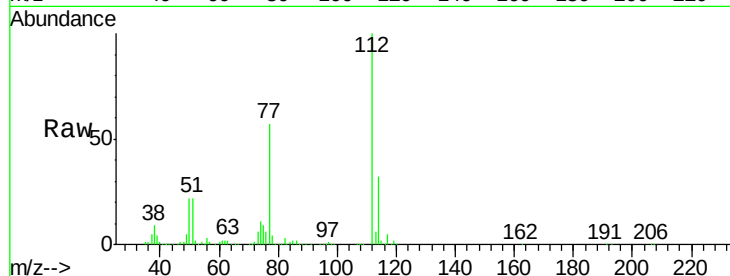
VSTDCCC050EC

Tot Ion:112 Resp: 441218

Ion Ratio Lower Upper

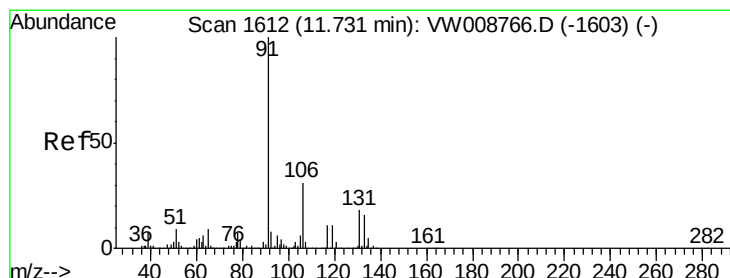
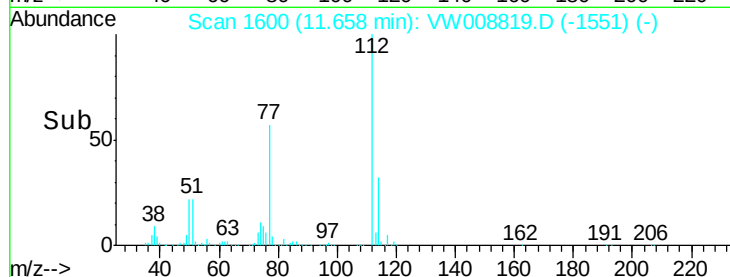
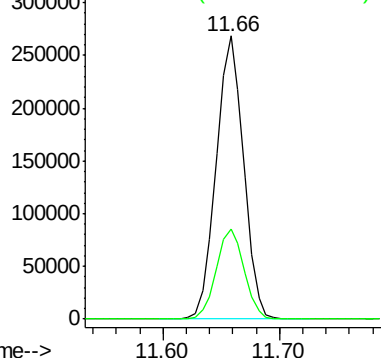
112 100

114 31.8 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.114 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

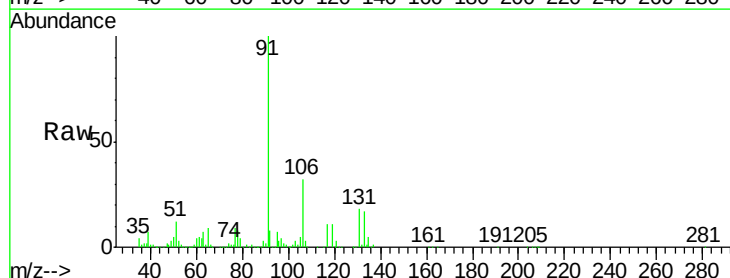
Tgt Ion:131 Resp: 145899

Ion Ratio Lower Upper

131 100

133 94.6 46.7 140.0

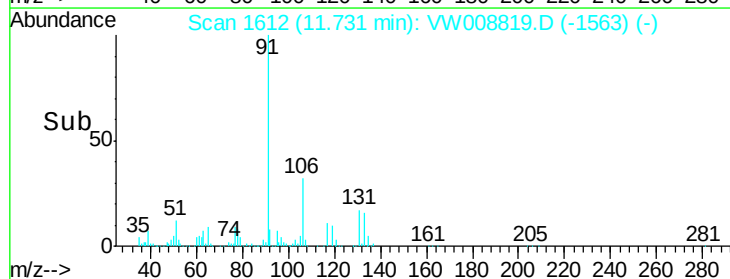
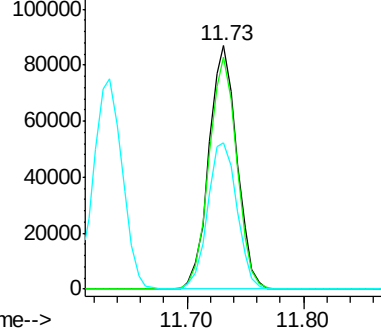
119 63.1 30.8 92.4

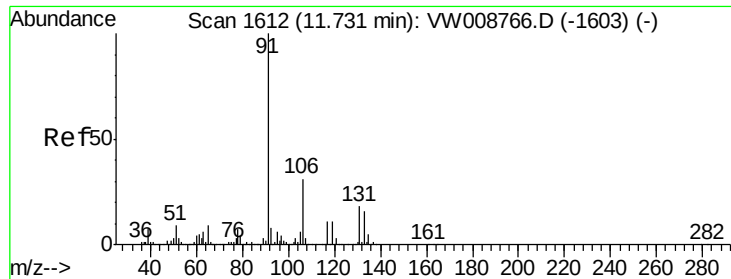


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

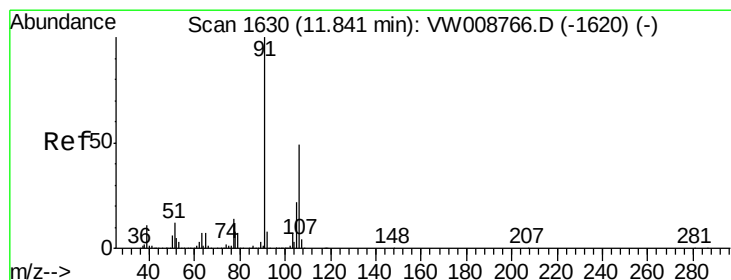
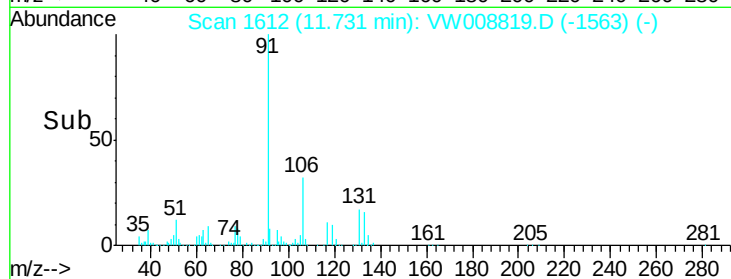
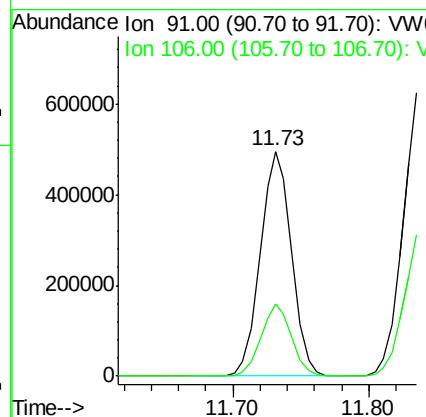
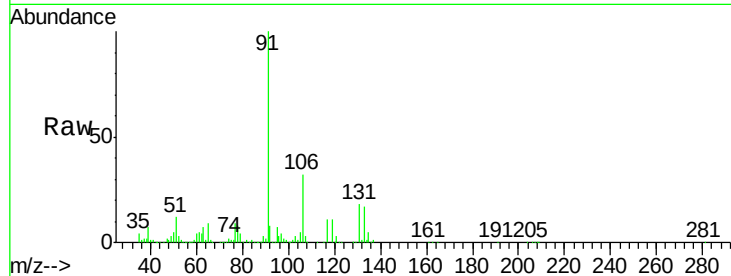




#67
Ethyl Benzene
Concen: 53.498 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

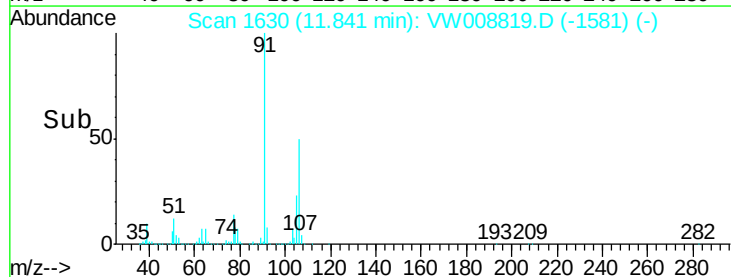
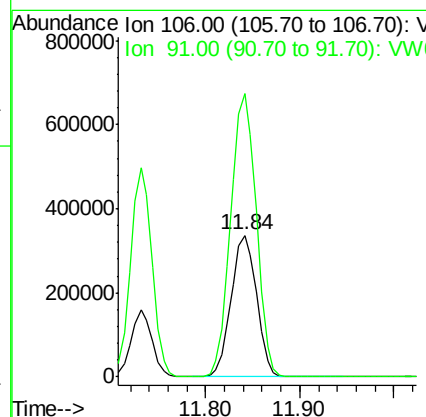
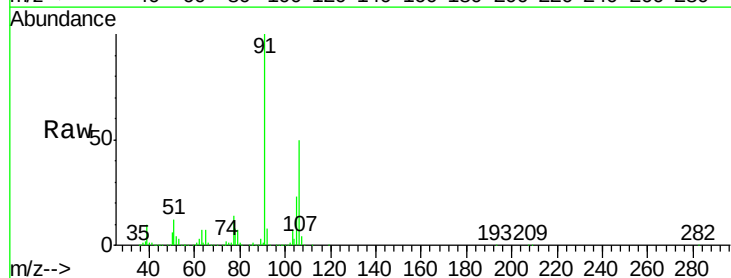
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

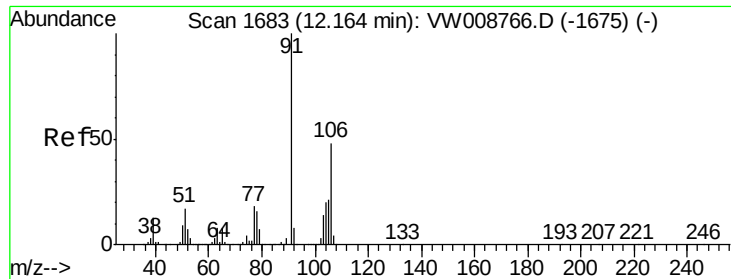
Tot Ion: 91 Resp: 791846
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6



#68
m/p-Xylenes
Concen: 106.540 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 106 Resp: 630072
Ion Ratio Lower Upper
106 100
91 201.3 161.5 242.3

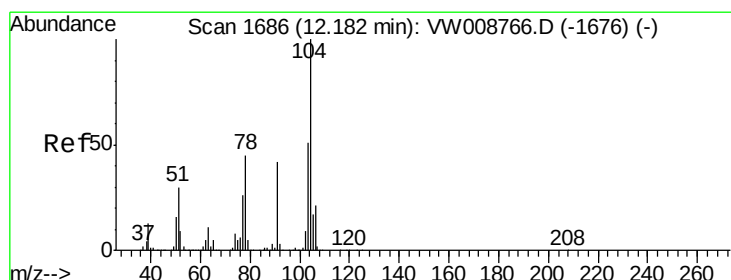
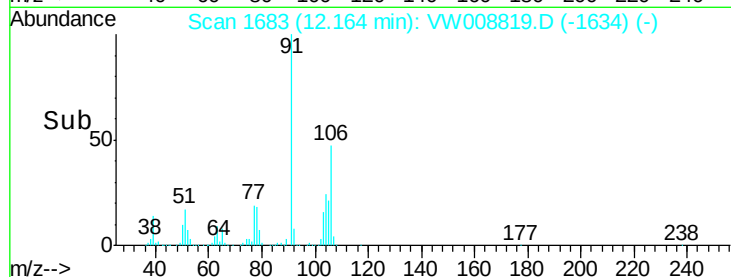
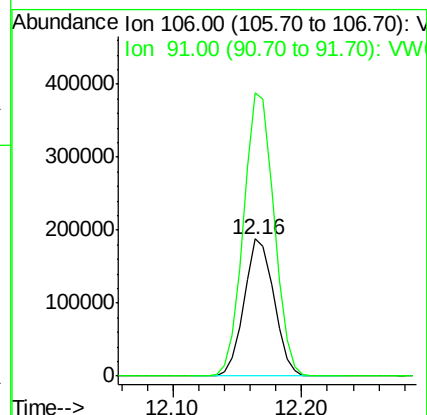
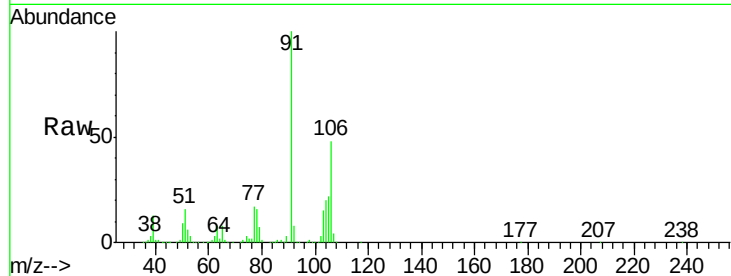




#69
o-Xylene
Concen: 54.289 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

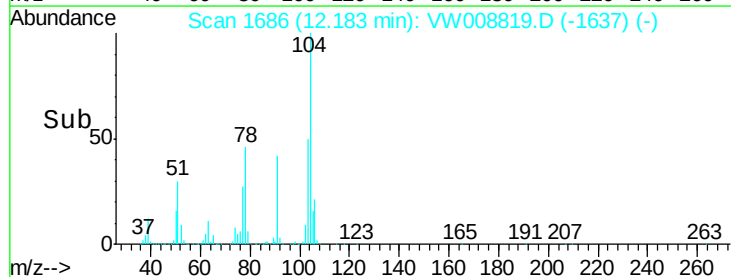
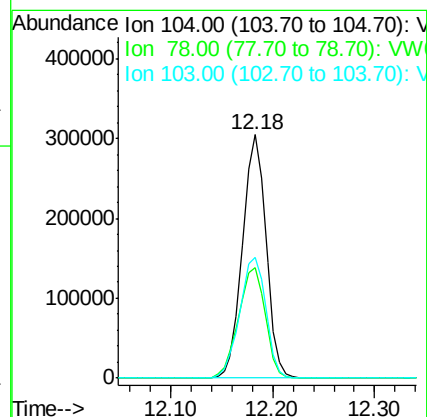
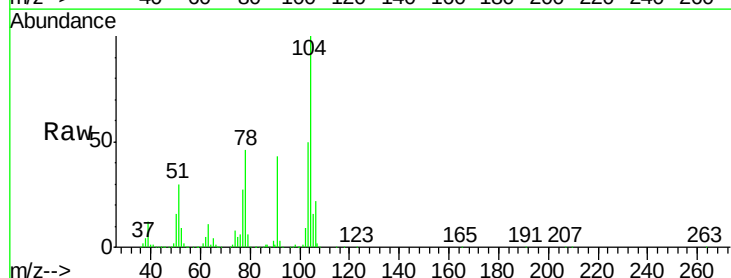
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

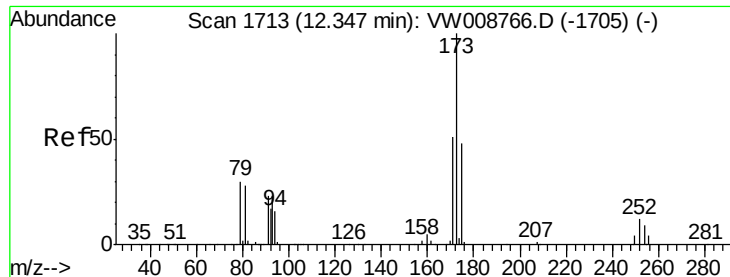
Tot Ion:106 Resp: 301349
Ion Ratio Lower Upper
106 100
91 210.1 106.2 318.6



#70
Styrene
Concen: 54.357 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion:104 Resp: 485427
Ion Ratio Lower Upper
104 100
78 51.7 40.8 61.2
103 55.3 44.2 66.2





#71

Bromoform

Concen: 50.522 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

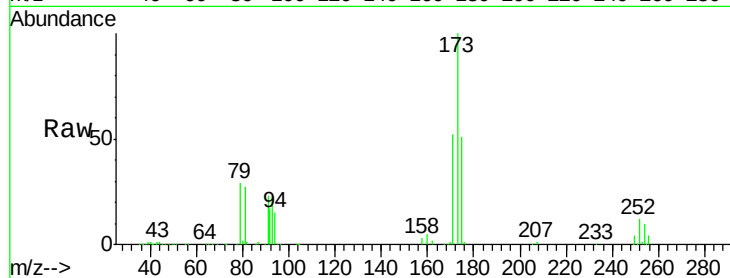
Tot Ion:173 Resp: 76029

Ion Ratio Lower Upper

173 100

175 50.2 24.2 72.6

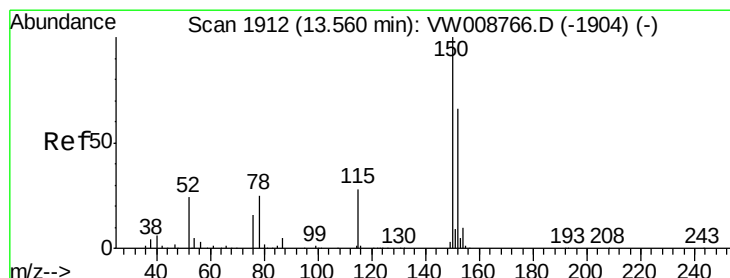
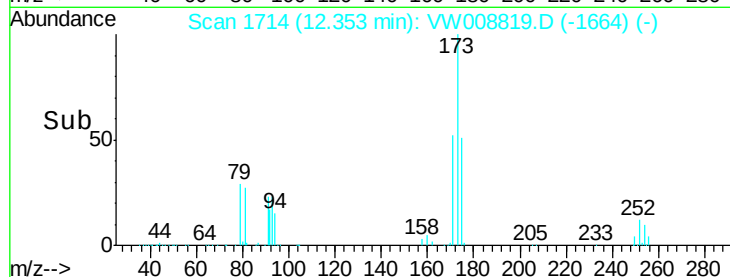
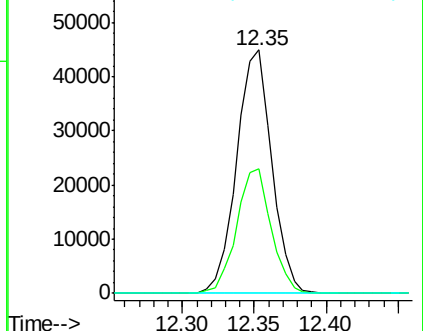
254 0.2 0.2 0.4#



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: VW008819.D

Acq: 25 Feb 2019 21:07

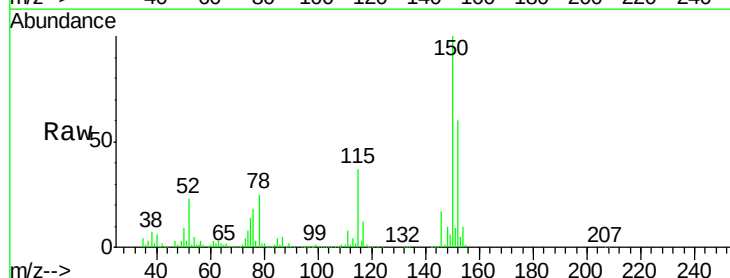
Tgt Ion:152 Resp: 218757

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.8

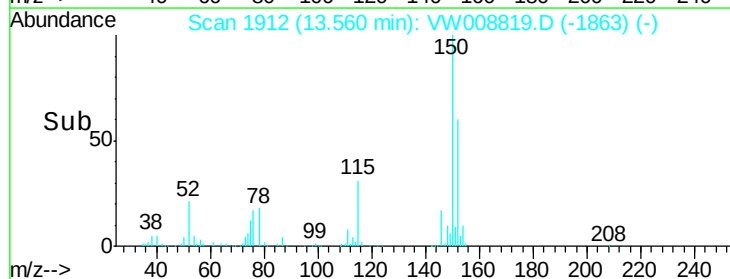
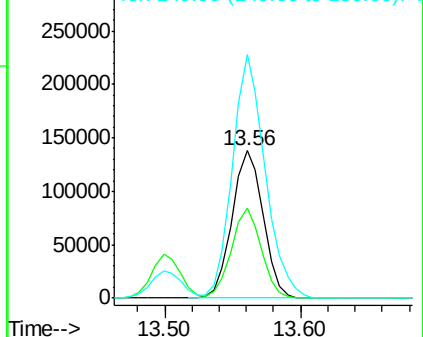
150 174.7 0.0 348.0

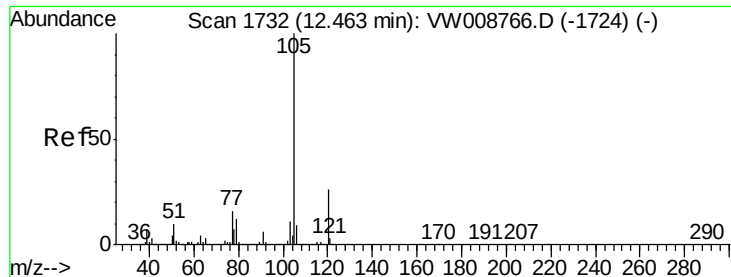


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.641 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

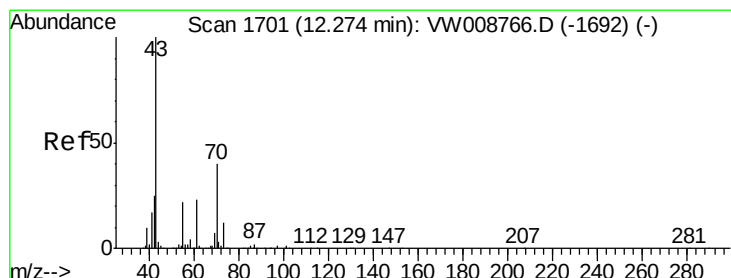
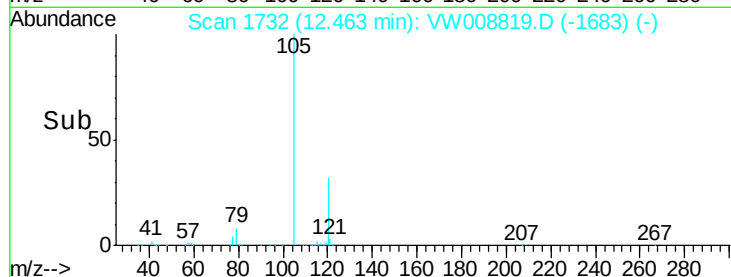
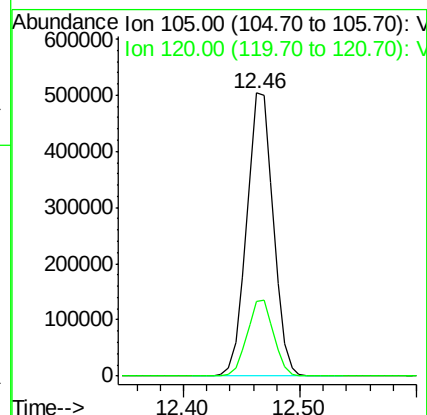
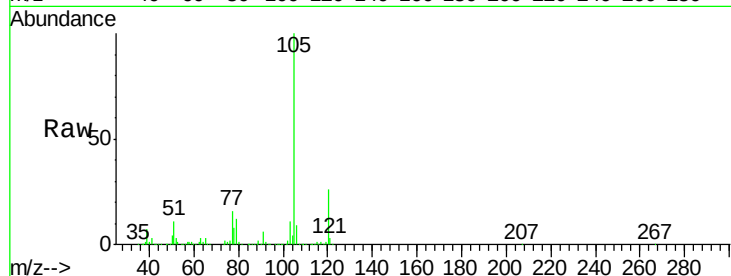
VSTDCCC050EC

Tot Ion:105 Resp: 804440

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 54.724 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Tgt Ion: 43 Resp: 206725

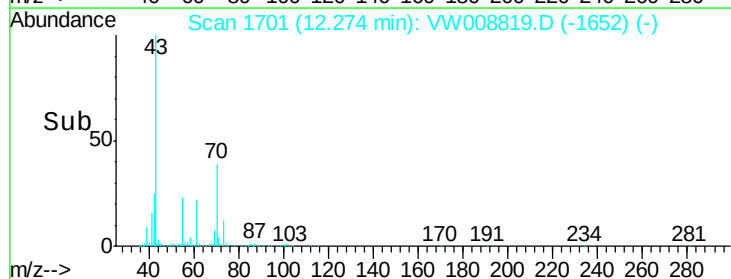
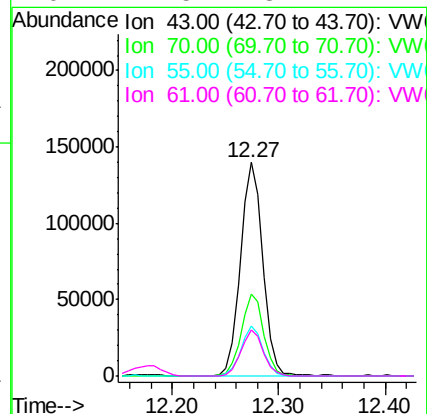
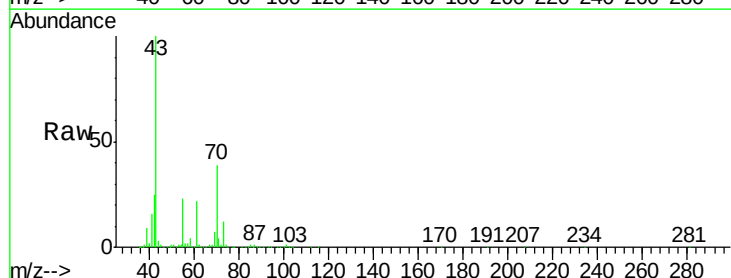
Ion Ratio Lower Upper

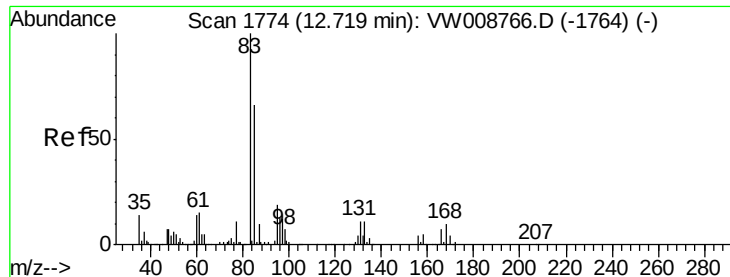
43 100

70 38.6 31.0 46.6

55 22.9 18.7 28.1

61 21.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.268 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

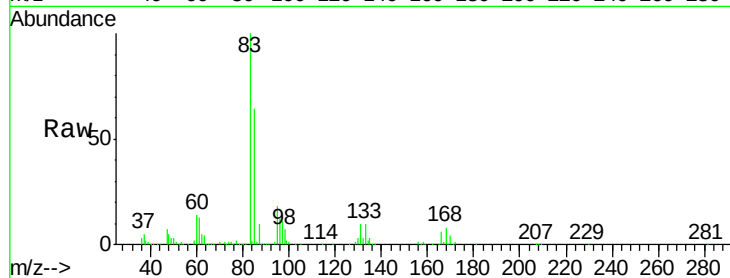
Tot Ion: 83 Resp: 125626

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

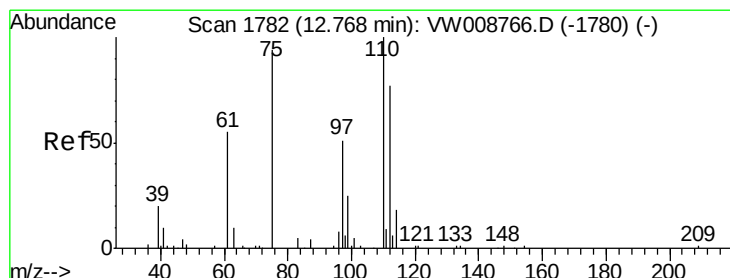
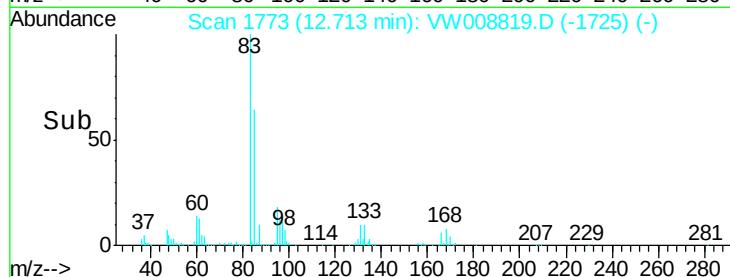
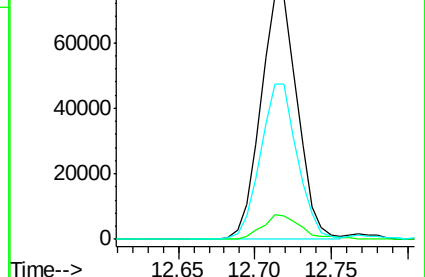
85 63.5 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 50.633 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008819.D

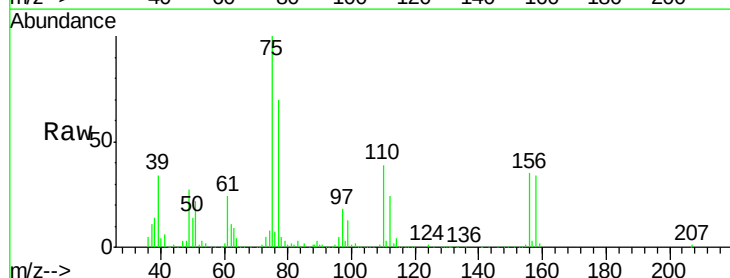
Acq: 25 Feb 2019 21:07

Tgt Ion: 75 Resp: 91450

Ion Ratio Lower Upper

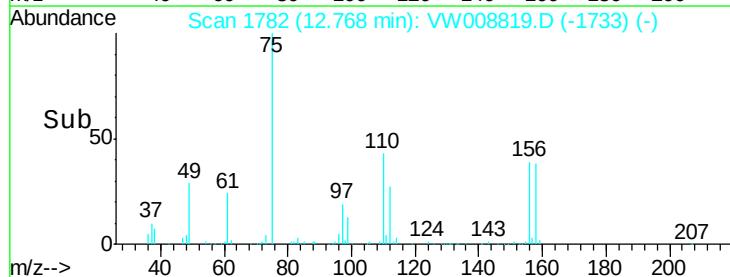
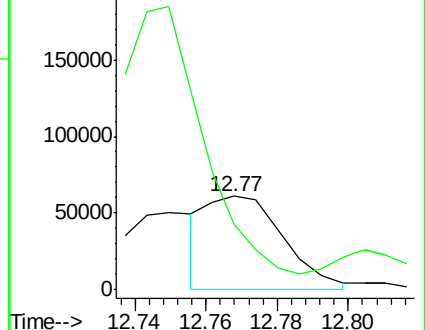
75 100

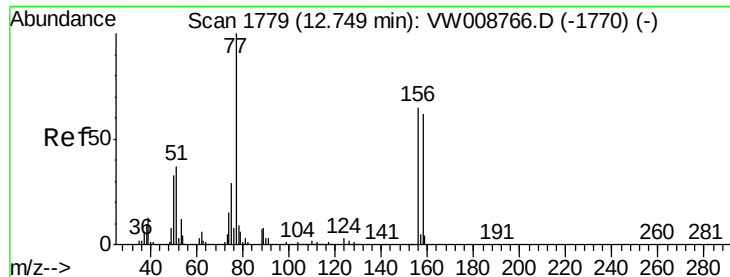
77 366.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.345 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

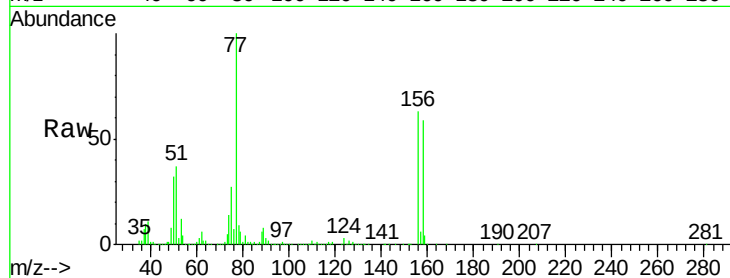
Tot Ion:156 Resp: 189049

Ion Ratio Lower Upper

156 100

77 177.4 89.1 267.4

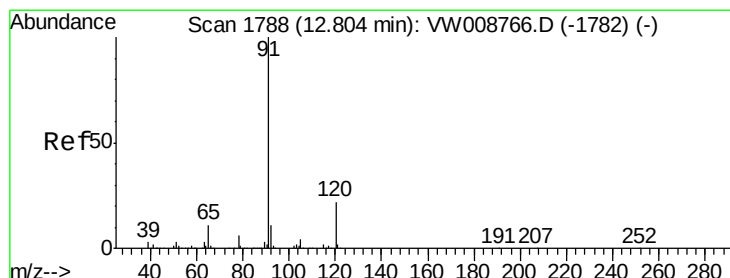
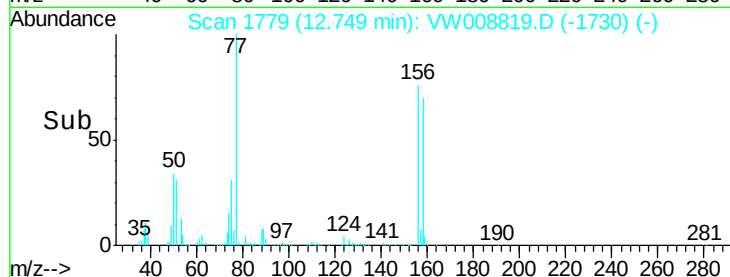
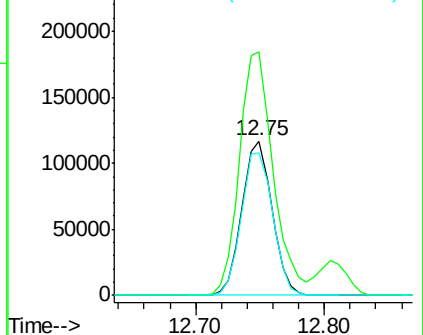
158 96.3 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.678 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008819.D

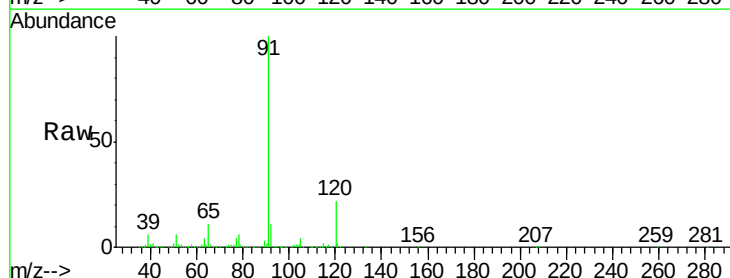
Acq: 25 Feb 2019 21:07

Tgt Ion: 91 Resp: 984695

Ion Ratio Lower Upper

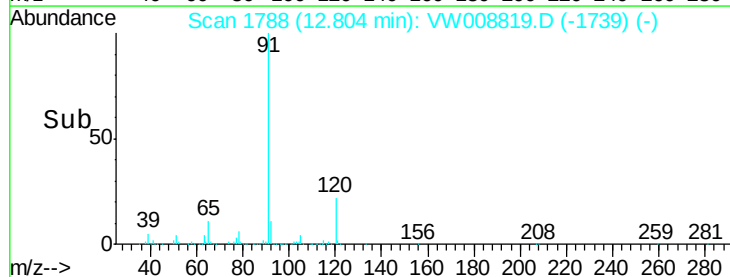
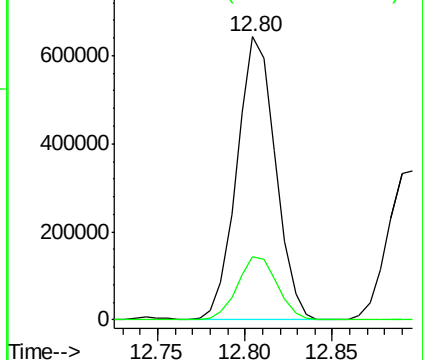
91 100

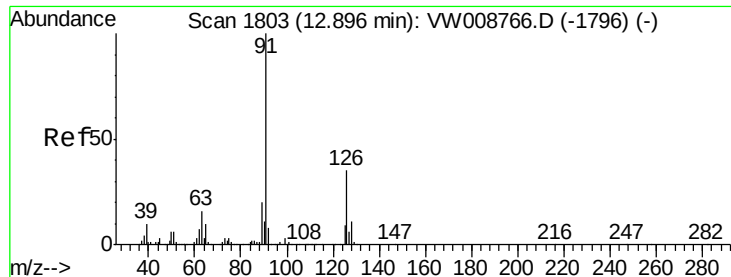
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.676 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

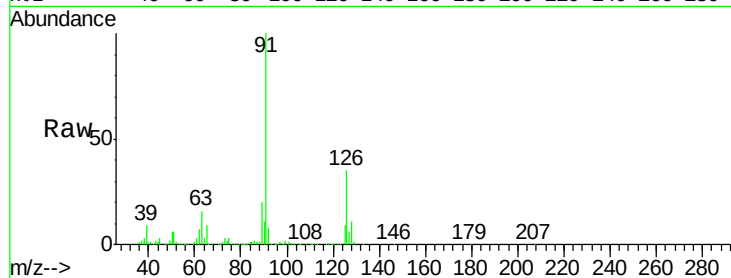
VSTDCCC050EC

Tot Ion: 91 Resp: 559046

Ion Ratio Lower Upper

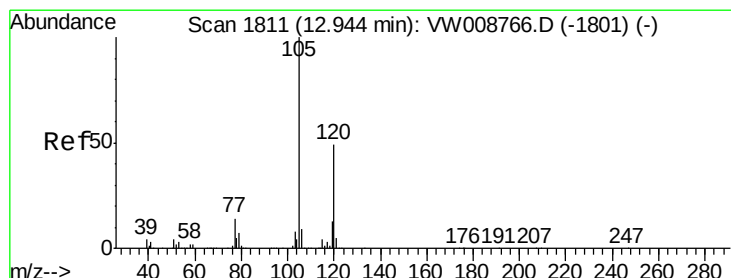
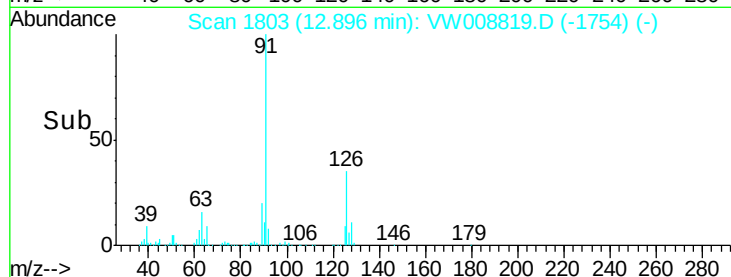
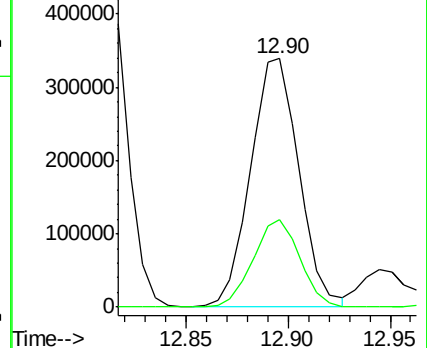
91 100

126 34.2 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.234 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008819.D

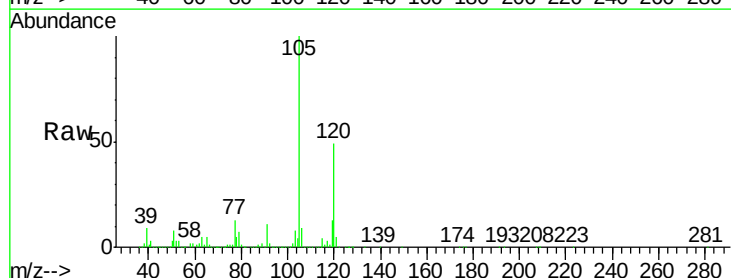
Acq: 25 Feb 2019 21:07

Tgt Ion: 105 Resp: 706805

Ion Ratio Lower Upper

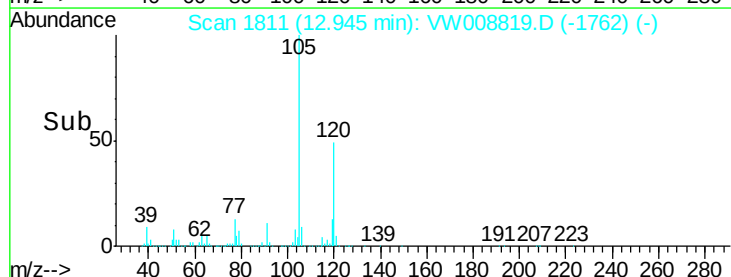
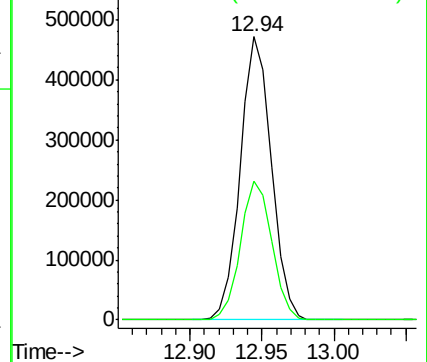
105 100

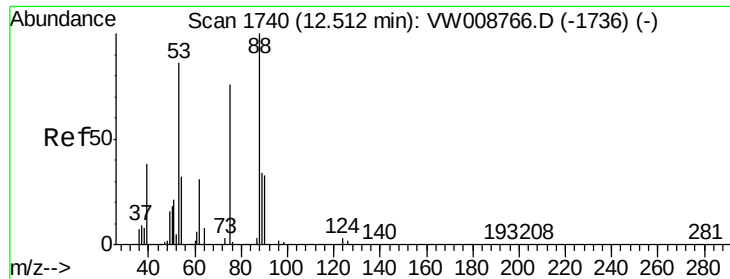
120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.852 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

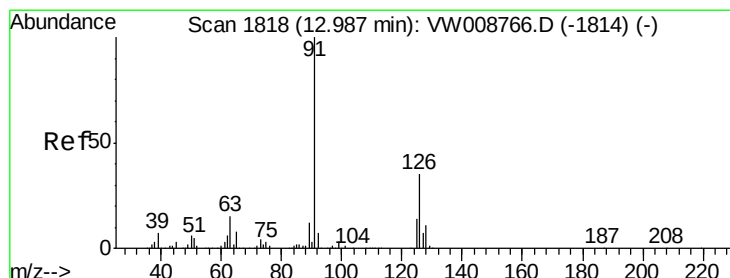
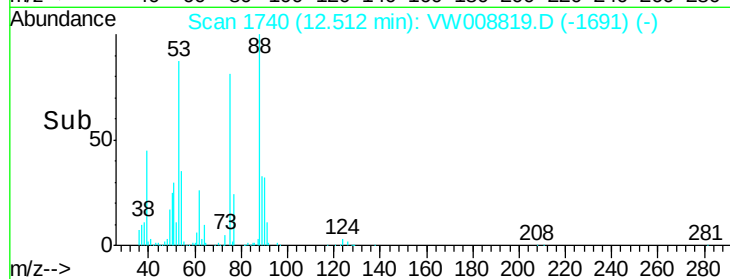
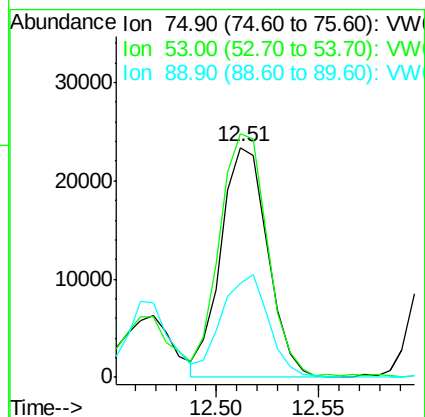
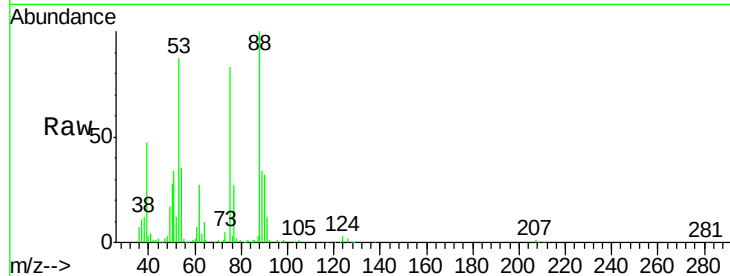
Tot Ion: 75 Resp: 37037

Ion Ratio Lower Upper

75 100

53 109.8 88.2 132.2

89 45.5 39.5 59.3



#82

4-Chlorotoluene

Concen: 53.418 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008819.D

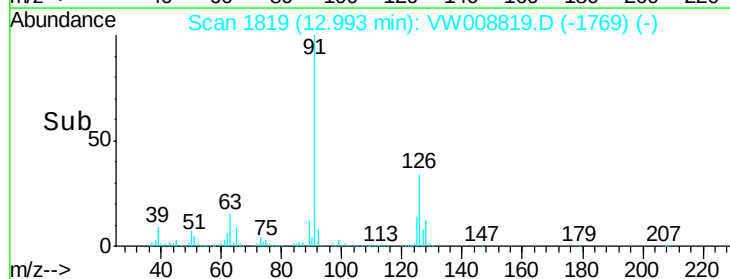
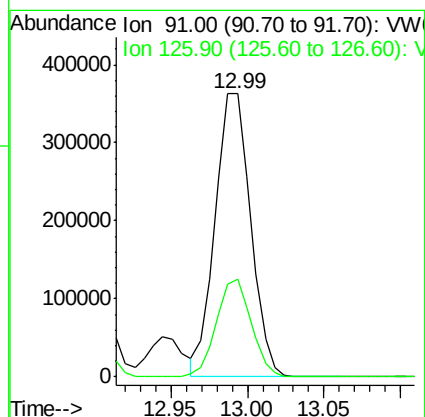
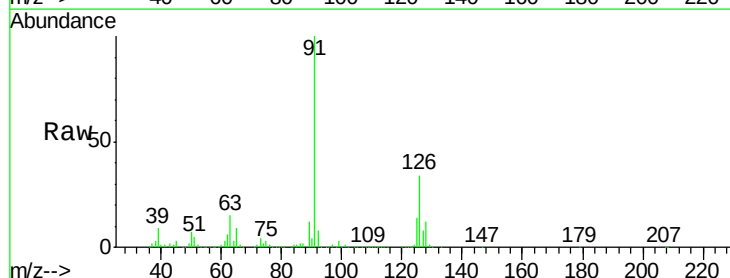
Acq: 25 Feb 2019 21:07

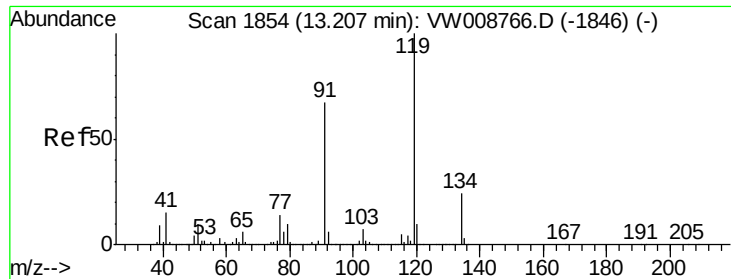
Tgt Ion: 91 Resp: 586289

Ion Ratio Lower Upper

91 100

126 34.0 17.2 51.6

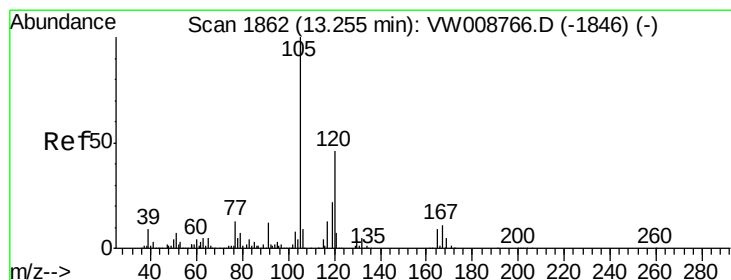
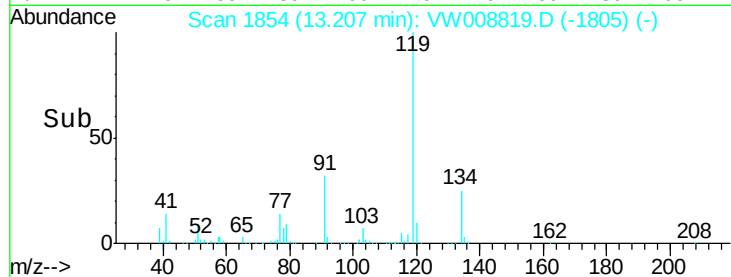
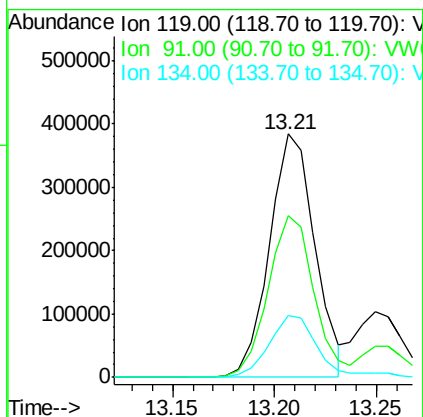
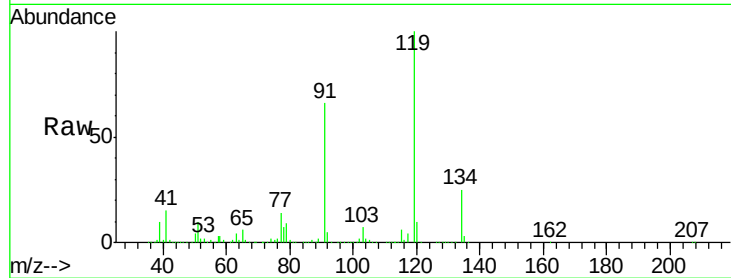




#83
 tert-Butylbenzene
 Concen: 53.070 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

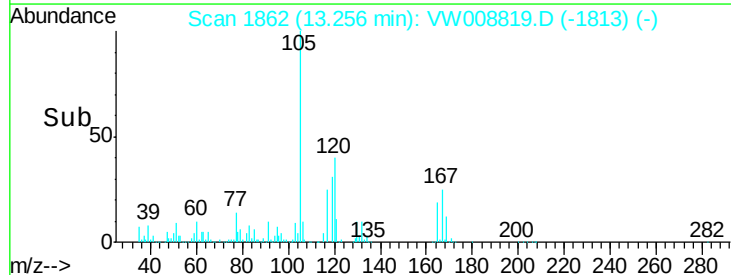
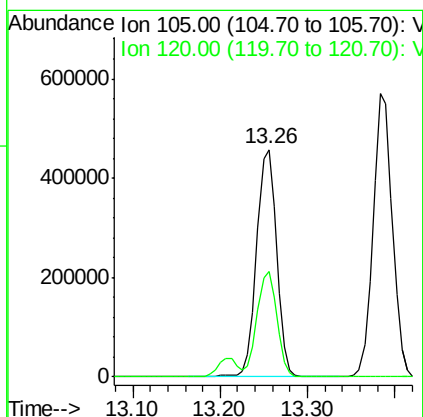
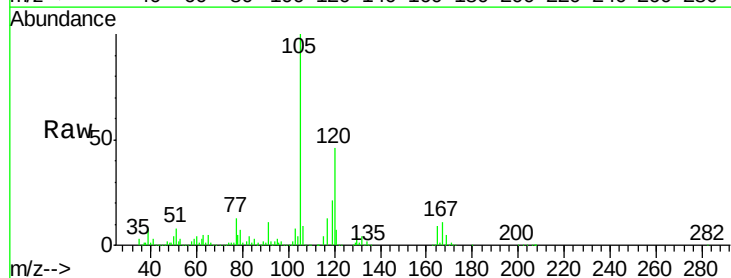
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

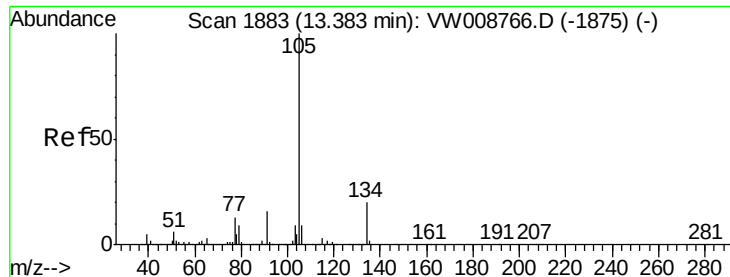
Tot Ion:119 Resp: 598027
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.6 100.8
 134 27.7 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 53.950 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion:105 Resp: 727825
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 53.879 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

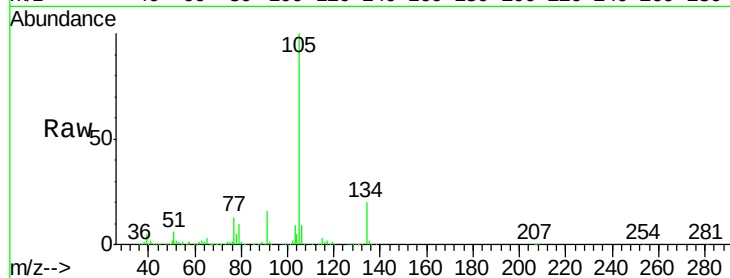
VSTDCCC050EC

Tot Ion:105 Resp: 873006

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

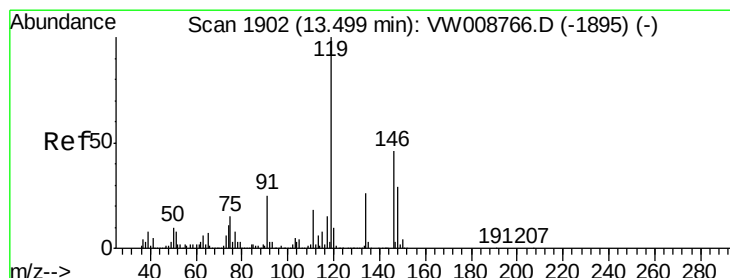
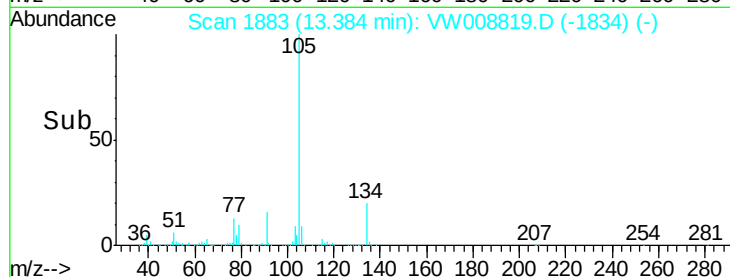
400000

200000

0

13.38

Time-->



#86

p-Isopropyltoluene

Concen: 53.475 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

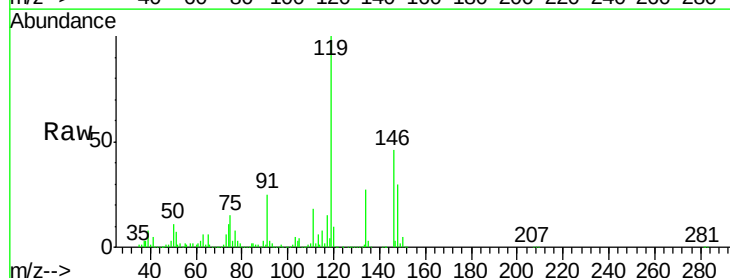
Tgt Ion:119 Resp: 794314

Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.1 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

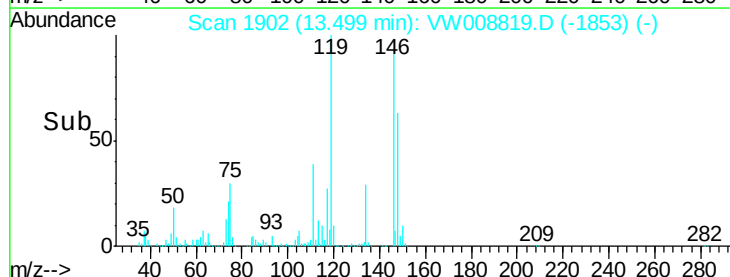
400000

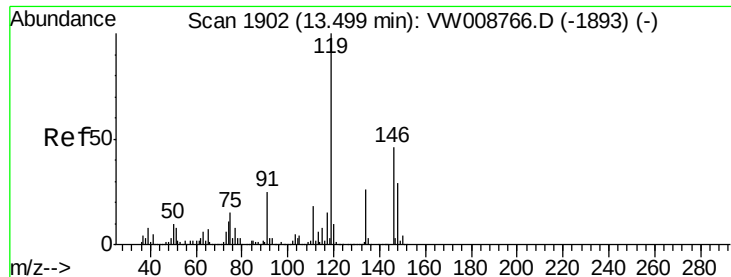
200000

0

13.50

Time-->

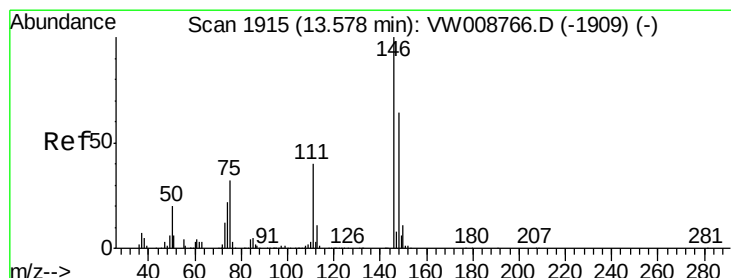
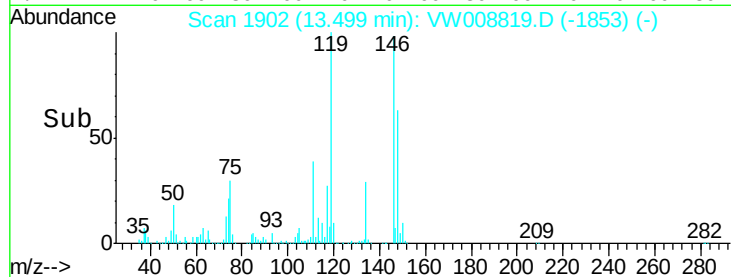
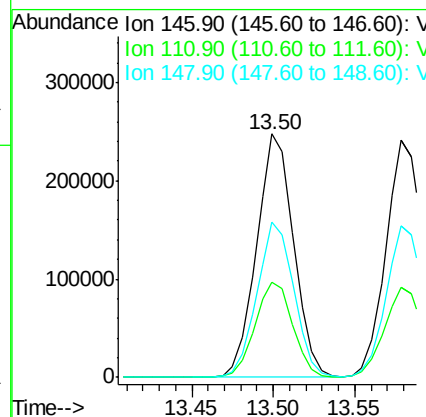
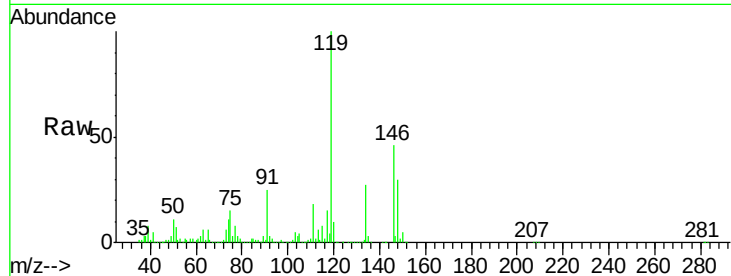




#87
 1,3-Dichlorobenzene
 Concen: 53.313 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

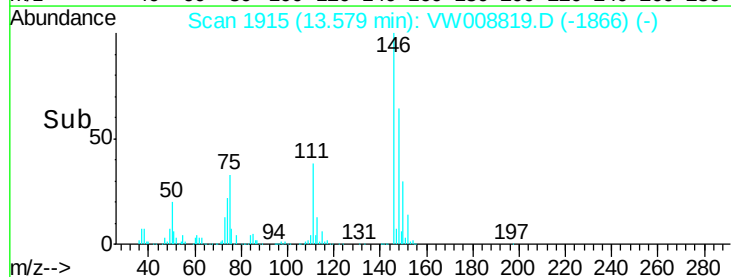
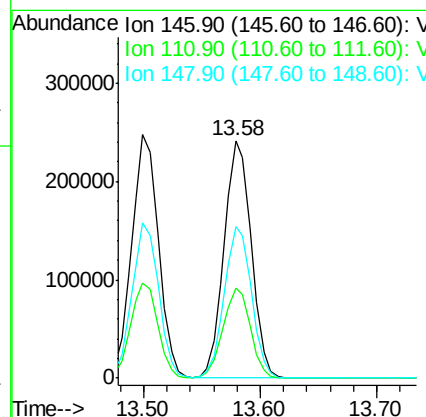
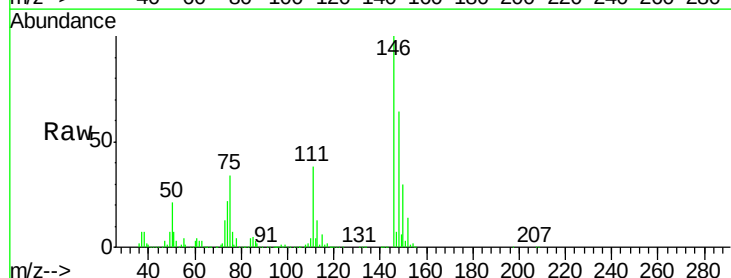
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

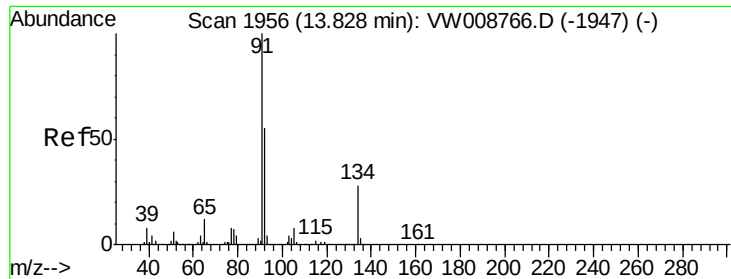
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.3	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 53.515 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.9	31.9	95.9

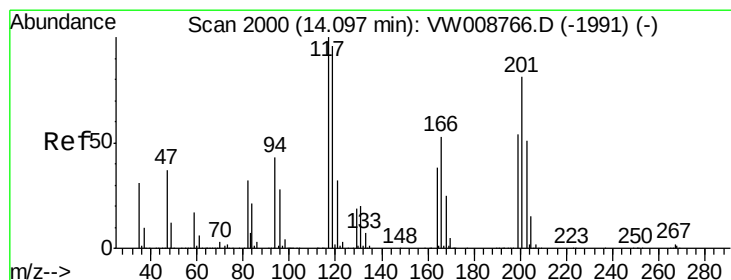
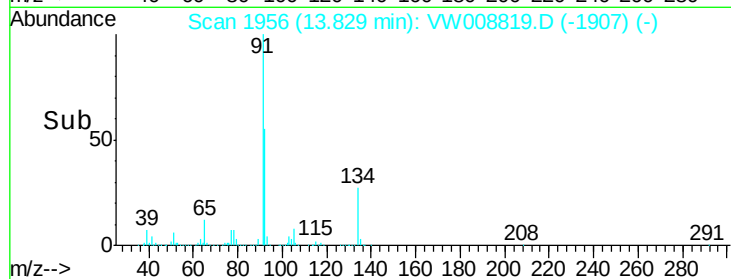
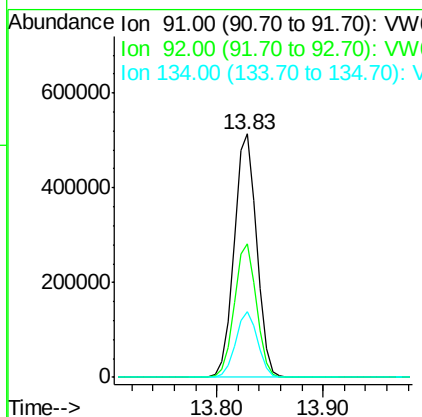
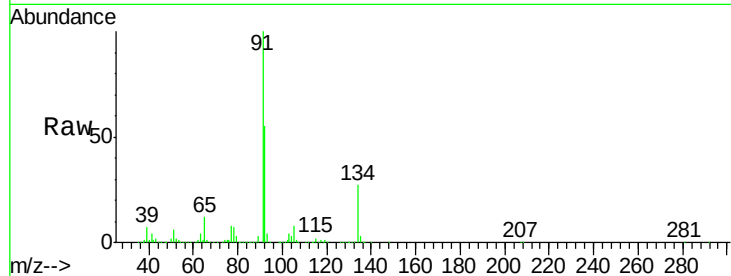




#89
n-Butylbenzene
Concen: 54.753 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

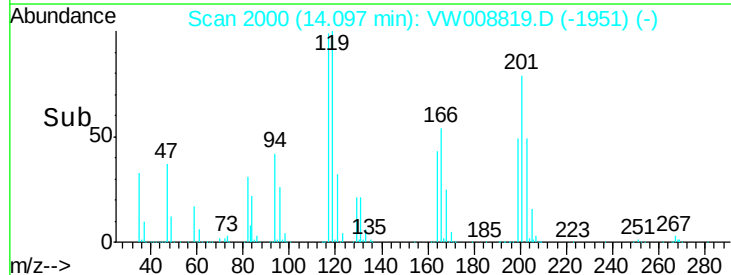
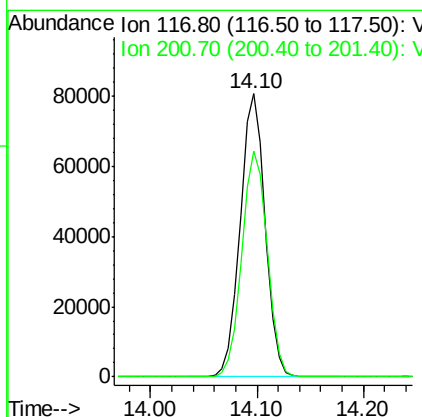
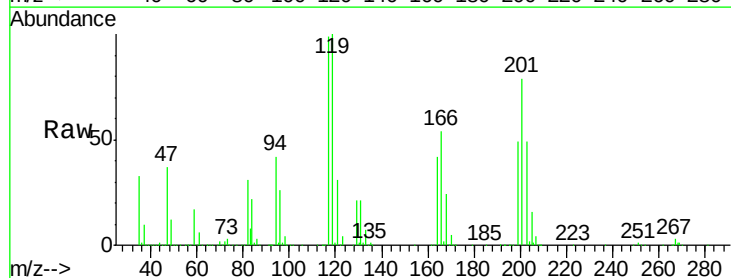
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

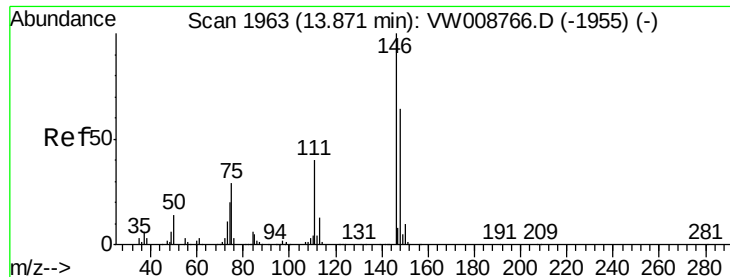
Tot Ion: 91 Resp: 761935
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 26.4 13.5 40.4



#90
Hexachloroethane
Concen: 54.618 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion: 117 Resp: 132813
Ion Ratio Lower Upper
117 100
201 81.3 40.3 120.8





#91

1,2-Dichlorobenzene

Concen: 53.642 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

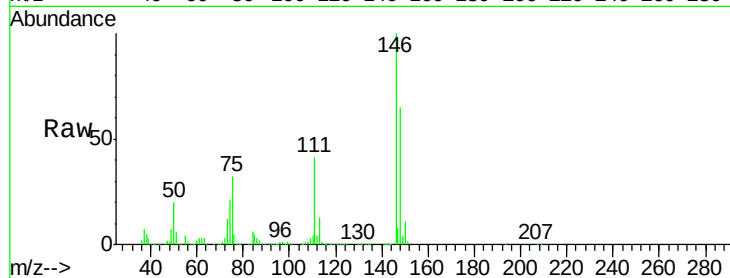
Tot Ion:146 Resp: 351432

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.8

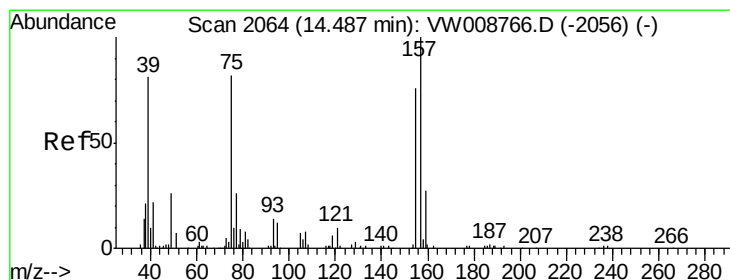
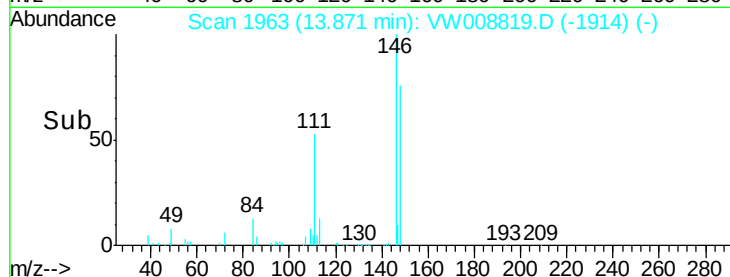
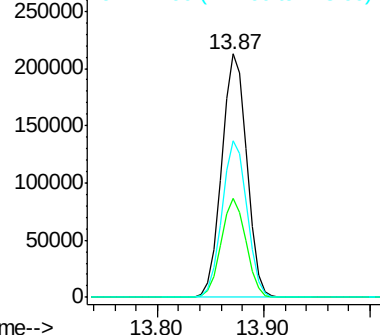
148 64.4 32.5 97.5



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: 53.548 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008819.D

Acq: 25 Feb 2019 21:07

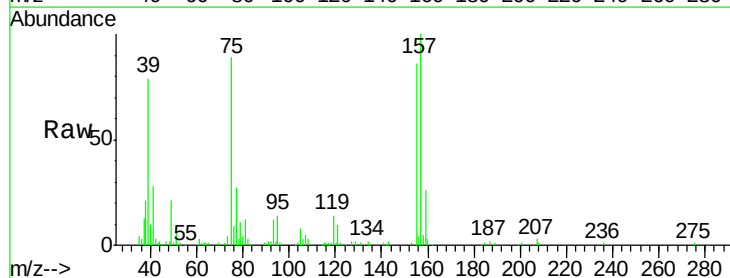
Tgt Ion: 75 Resp: 23736

Ion Ratio Lower Upper

75 100

155 89.8 41.8 125.4

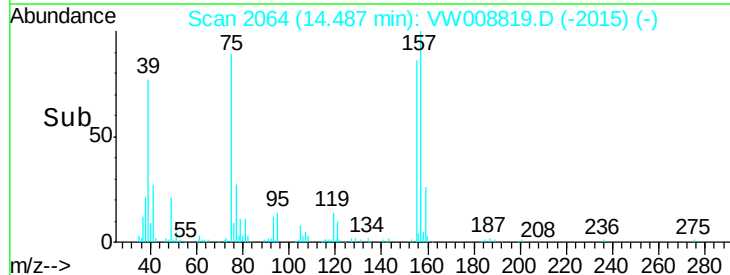
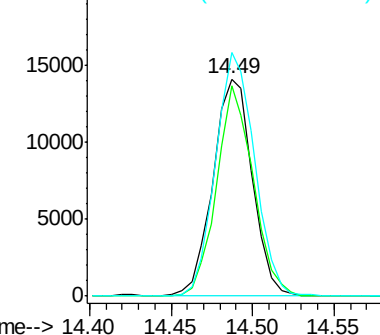
157 110.7 56.6 169.9

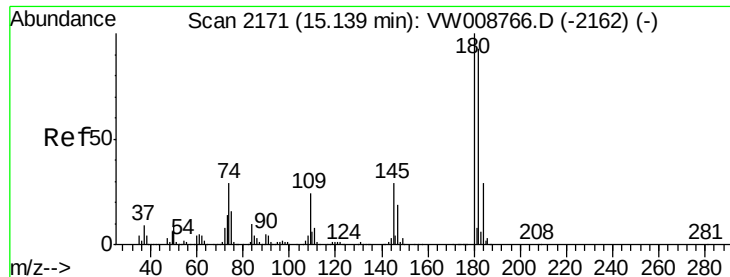


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

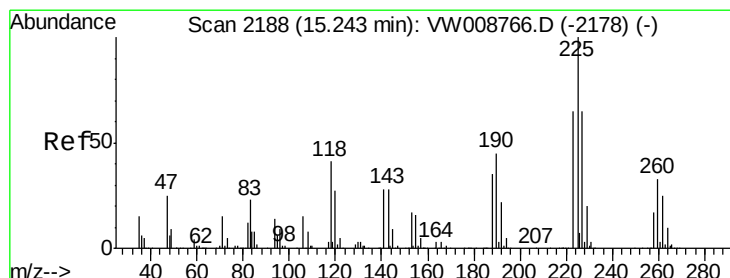
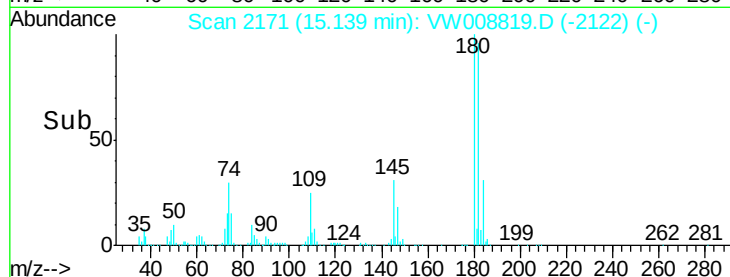
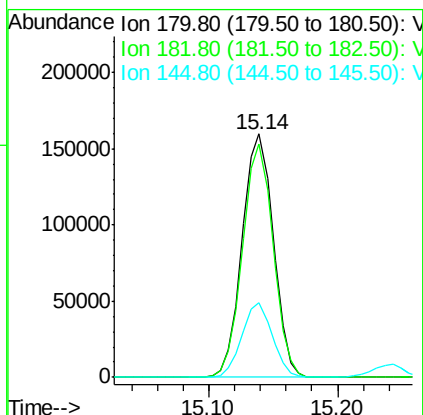
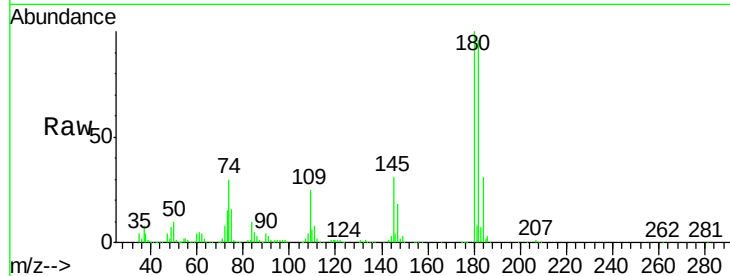




#93
 1,2,4-Trichlorobenzene
 Concen: 56.581 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

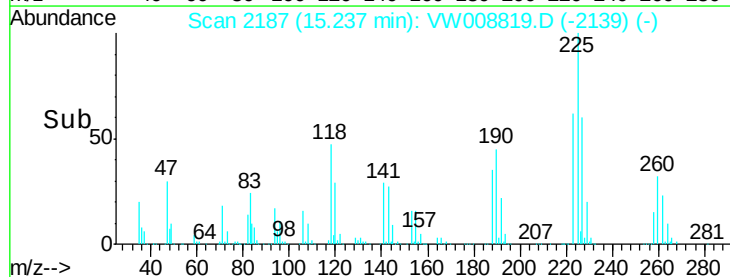
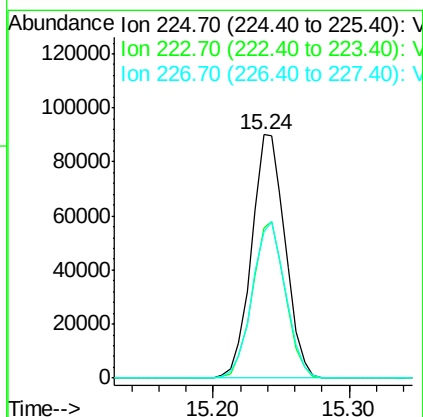
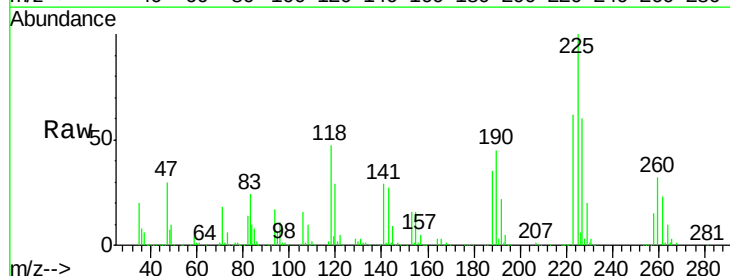
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

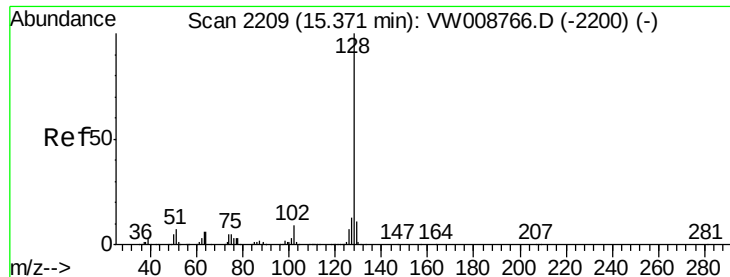
Tot Ion:180 Resp: 267084
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.2 141.6
 145 29.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 56.016 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008819.D
 Acq: 25 Feb 2019 21:07

Tgt Ion:225 Resp: 155752
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 63.5 31.6 94.8

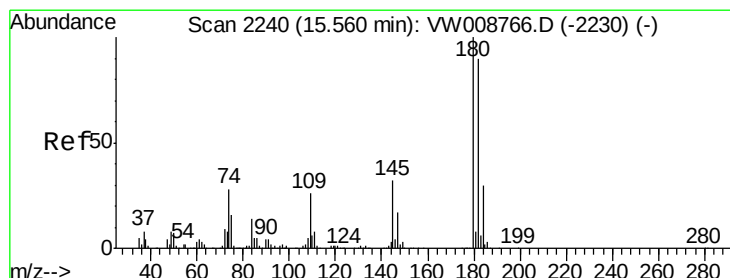
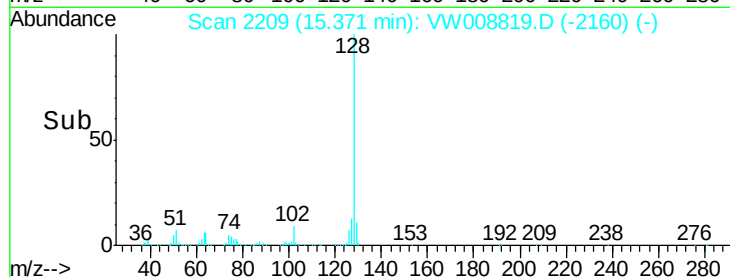
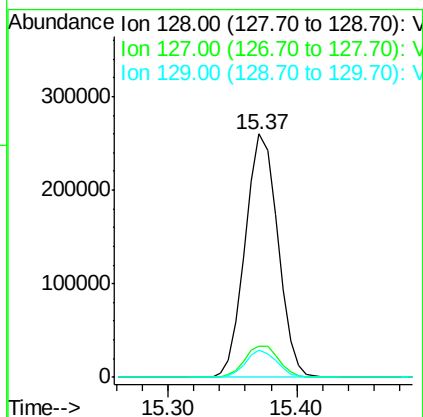
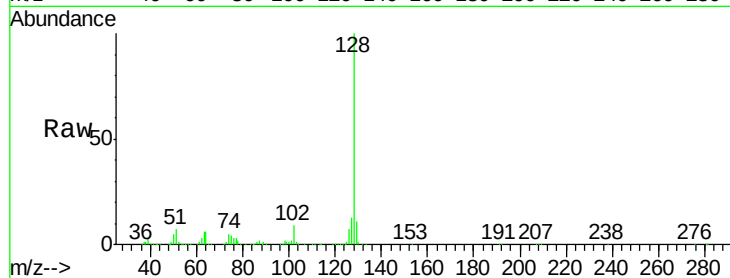




#95
Naphthalene
Concen: 56.814 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 456618
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.342 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008819.D
Acq: 25 Feb 2019 21:07

Tgt Ion:180 Resp: 234033
Ion Ratio Lower Upper
180 100
182 95.7 46.9 140.8
145 31.6 15.9 47.6

