

Data File : VW009255.D
Acq On : 19 Mar 2019 23:16
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Mar 20 08:14:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	158129	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.88	113	136162	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.32	98	504736	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.62	95	193072	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73689	45.385	ug/l	99
3) Chloromethane	2.22	50	97048	48.596	ug/l	97
4) Vinyl Chloride	2.37	62	137533	46.922	ug/l	98
5) Bromomethane	2.78	94	113651	47.546	ug/l	91
6) Chloroethane	2.93	64	112245	49.359	ug/l	97
7) Trichlorofluoromethane	3.26	101	86702	45.155	ug/l	98
8) Diethyl Ether	3.67	74	72748	52.535	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131330	47.217	ug/l	98
10) Methyl Iodide	4.27	142	199310	49.709	ug/l	97
11) Tert butyl alcohol	5.17	59	49650	291.848	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	122674	46.658	ug/l	96
13) Acrolein	3.89	56	32953	237.310	ug/l	93
14) Allyl chloride	4.66	41	198519	51.217	ug/l	99
15) Acrylonitrile	5.36	53	166663	286.382	ug/l	98
16) Acetone	4.12	43	148213	246.526	ug/l	91
17) Carbon Disulfide	4.38	76	336689	45.935	ug/l	98
18) Methyl Acetate	4.67	43	88216	57.173	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	187544	58.119	ug/l	95
20) Methylene Chloride	4.91	84	136575	54.581	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	135863	50.226	ug/l	93
22) Diisopropyl ether	6.31	45	460545	55.114	ug/l	97
23) Vinyl Acetate	6.25	43	1452412	277.020	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262662	50.933	ug/l	99
25) 2-Butanone	7.17	43	237933	276.197	ug/l	100
26) 2,2-Dichloropropane	7.16	77	133994	46.502	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	154918	52.864	ug/l	99
28) Bromochloromethane	7.51	49	120612	53.321	ug/l #	14
29) Tetrahydrofuran	7.52	42	157810	288.203	ug/l	99
30) Chloroform	7.67	83	276325	51.498	ug/l	99
31) Cyclohexane	7.95	56	215601	44.843	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209405	48.892	ug/l	98
36) 1,1-Dichloropropene	8.07	75	201421	46.287	ug/l	99
37) Ethyl Acetate	7.25	43	108089	54.435	ug/l	99
38) Carbon Tetrachloride	8.06	117	207342	45.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	235644	46.805	ug/l	99
40) Benzene	8.32	78	580005	49.152	ug/l	100
41) Methacrylonitrile	7.48	41	63249	59.100	ug/l	93
42) 1,2-Dichloroethane	8.40	62	197699	51.252	ug/l	100
43) Isopropyl Acetate	8.42	43	212603	53.470	ug/l	100
44) Trichloroethene	9.09	130	150694	46.616	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149515	49.842	ug/l	99
46) Dibromomethane	9.46	93	83234	50.458	ug/l	100
47) Bromodichloromethane	9.64	83	210165	50.418	ug/l	96
48) Methyl methacrylate	9.43	41	102516	55.689	ug/l	99
49) 1,4-Dioxane	9.44	88	28614	1118.350	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	567759	273.990	ug/l	100
52) Toluene	10.38	92	372951	49.879	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	209957	51.651	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	232449	50.830	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	114979	51.476	ug/l	96
56) Ethyl methacrylate	10.65	69	147250	55.363	ug/l	95
57) 1,3-Dichloropropane	10.93	76	200679	52.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	383233	492.442	ug/l	99
59) 2-Hexanone	10.97	43	392859	279.256	ug/l	99
60) Dibromochloromethane	11.13	129	141987	51.451	ug/l	98
61) 1,2-Dibromoethane	11.23	107	110938	52.147	ug/l	100
64) Tetrachloroethene	10.86	164	134142	47.964	ug/l	96
65) Chlorobenzene	11.66	112	414949	49.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	155467	49.282	ug/l	99
67) Ethyl Benzene	11.73	91	732387	50.067	ug/l	100
68) m/p-Xylenes	11.84	106	563383	99.363	ug/l	100
69) o-Xylene	12.16	106	269524	51.190	ug/l	100
70) Styrene	12.18	104	451363	51.993	ug/l	100
71) Bromoform	12.35	173	87623	50.852	ug/l #	99
73) Isopropylbenzene	12.46	105	751991	50.266	ug/l	100
74) N-amyl acetate	12.27	43	209060	53.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	143754	51.369	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	195153	92.782	ug/l #	100
77) Bromobenzene	12.75	156	177035	49.959	ug/l	99
78) n-propylbenzene	12.80	91	908687	49.456	ug/l	99
79) 2-Chlorotoluene	12.89	91	523081	50.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	641806	50.447	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	43573	50.831	ug/l	96
82) 4-Chlorotoluene	12.99	91	552467	50.243	ug/l	100
83) tert-Butylbenzene	13.21	119	554680	51.018	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	667110	51.147	ug/l	98
85) sec-Butylbenzene	13.38	105	805378	50.129	ug/l	100
86) p-Isopropyltoluene	13.50	119	718980	50.255	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	359613	49.040	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	356432	48.817	ug/l	99
89) n-Butylbenzene	13.83	91	681042	49.591	ug/l	99
90) Hexachloroethane	14.10	117	140542	49.825	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330474	50.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27065	54.012	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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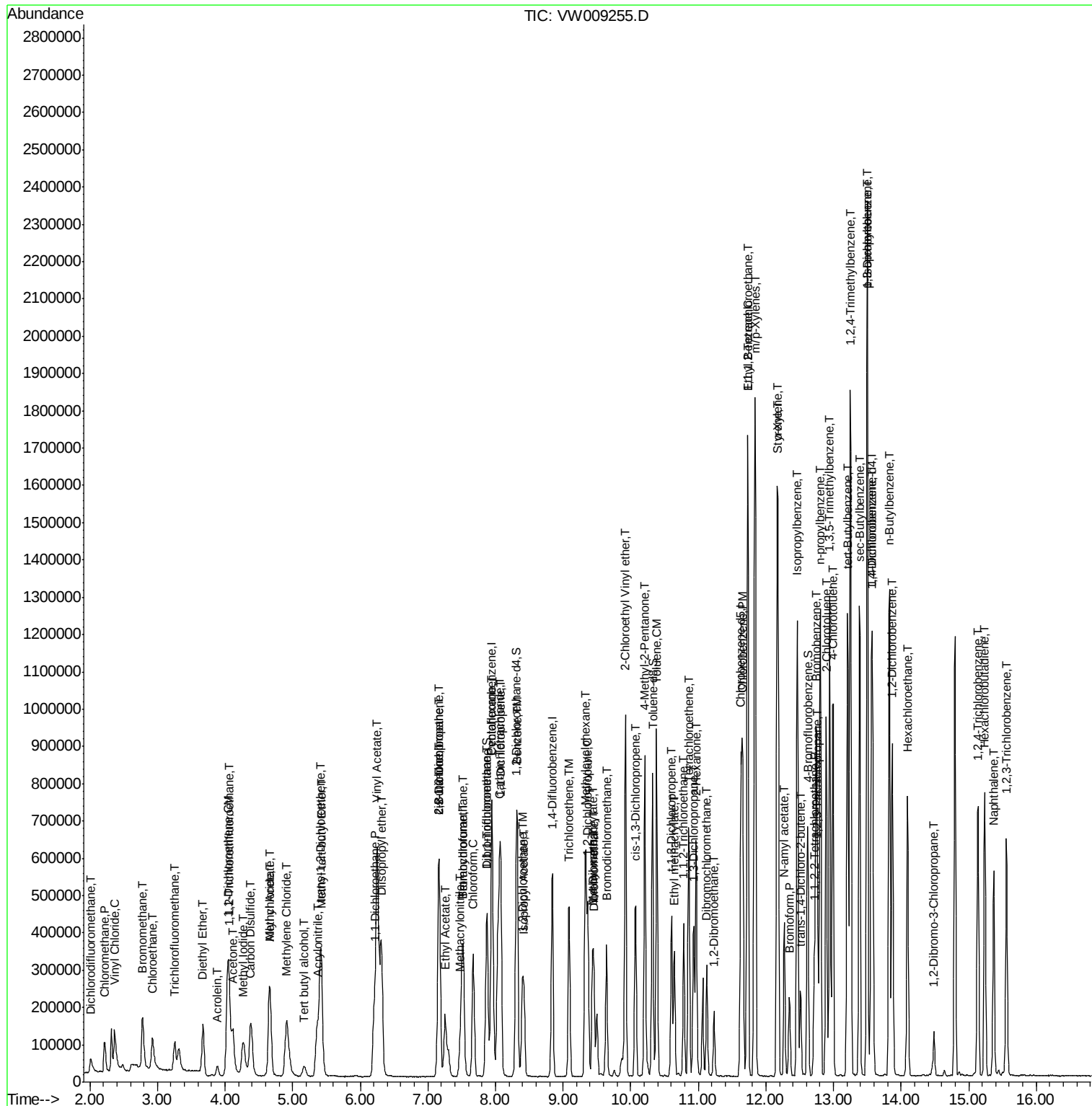
Quant Time: Mar 20 08:14:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
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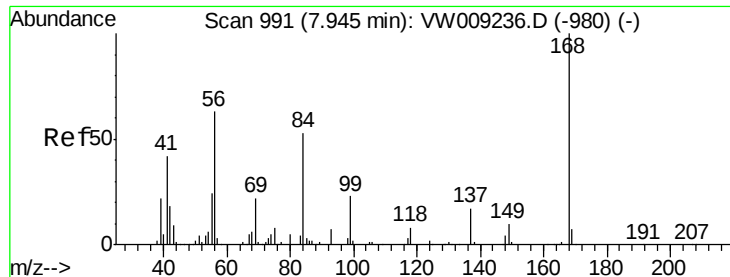
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224163	50.760	ug/l	100
94) Hexachlorobutadiene	15.24	225	131812	46.930	ug/l	99
95) Naphthalene	15.37	128	434554	56.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	203307	51.575	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009255.D

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Instrument :

MSVOA_W

ClientSampleId :

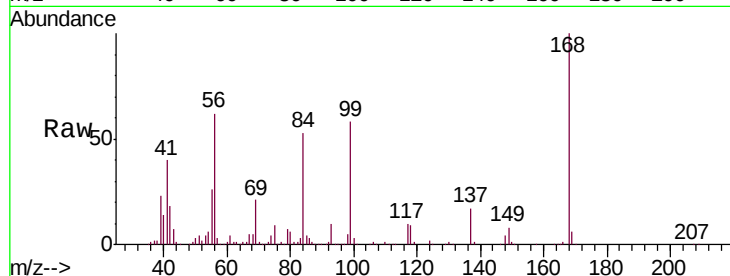
VSTDCCC050

Tgt Ion:168 Resp: 275493

Ion Ratio Lower Upper

168 100

99 58.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

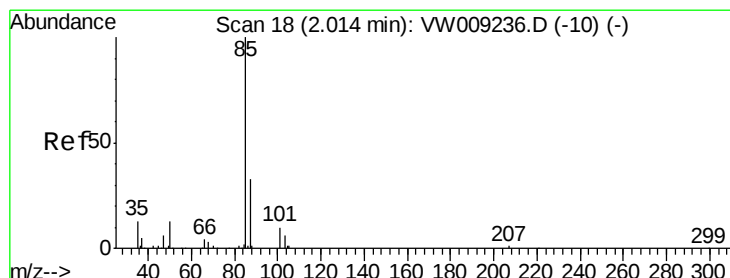
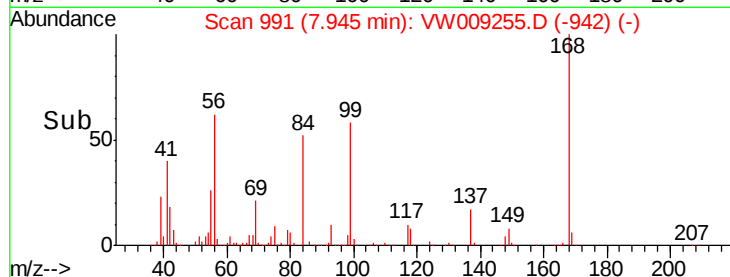
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.385 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009255.D

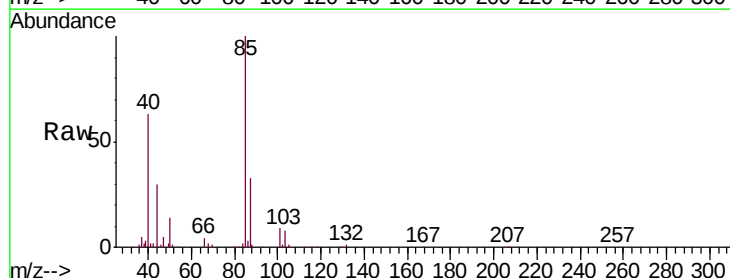
Acq: 19 Mar 2019 23:16

Tgt Ion: 85 Resp: 73689

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

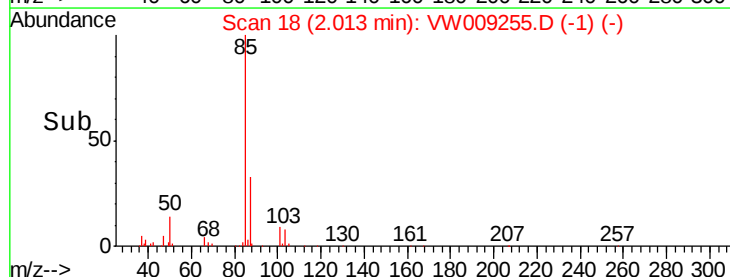
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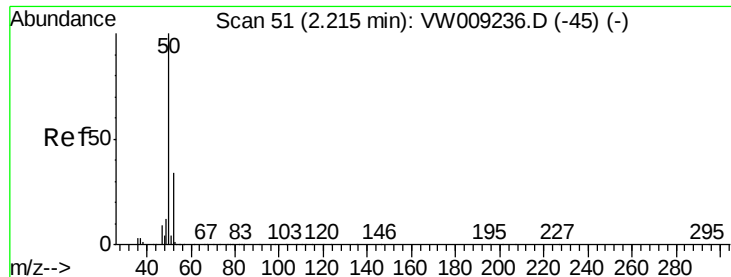
10000

5000

0

Time-->





#3

Chloromethane

Concen: 48.596 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampled :

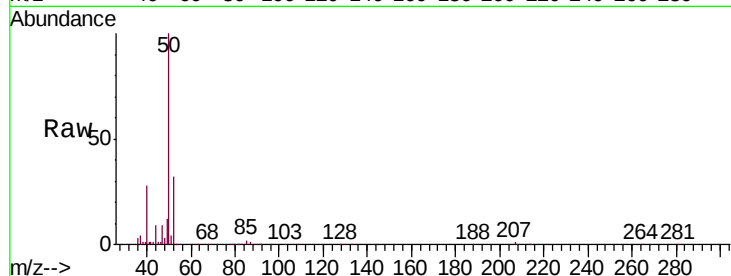
VSTDCCC050

Tgt Ion: 50 Resp: 97048

Ion Ratio Lower Upper

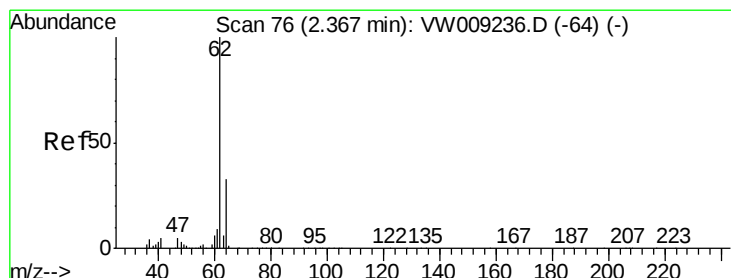
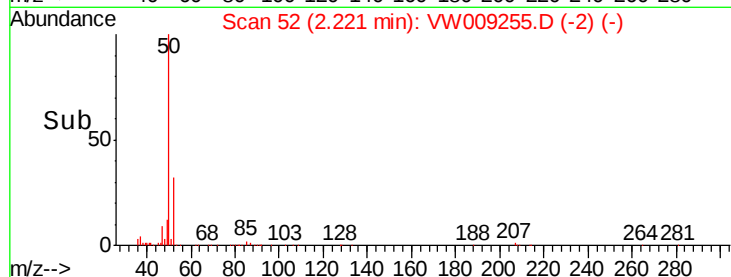
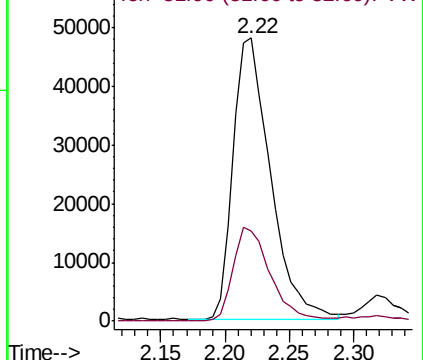
50 100

52 32.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.922 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009255.D

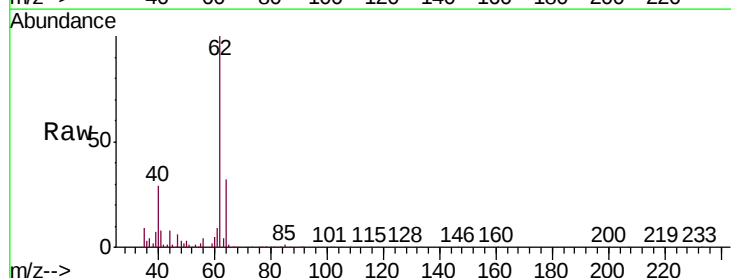
Acq: 19 Mar 2019 23:16

Tgt Ion: 62 Resp: 137533

Ion Ratio Lower Upper

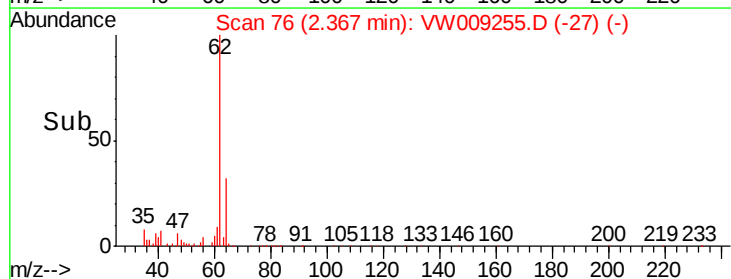
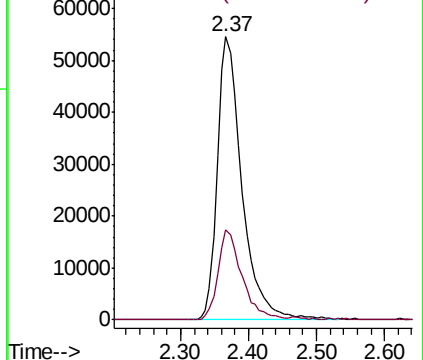
62 100

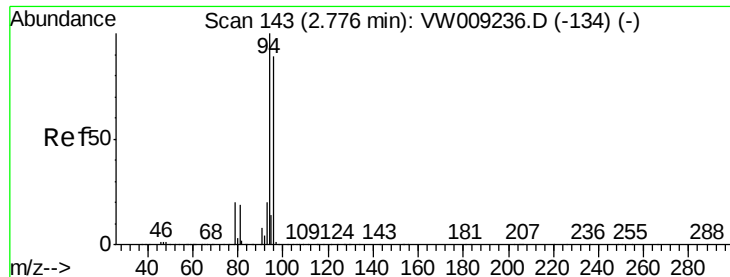
64 31.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.546 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

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Acq: 19 Mar 2019 23:16

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MSVOA_W

ClientSampleId :

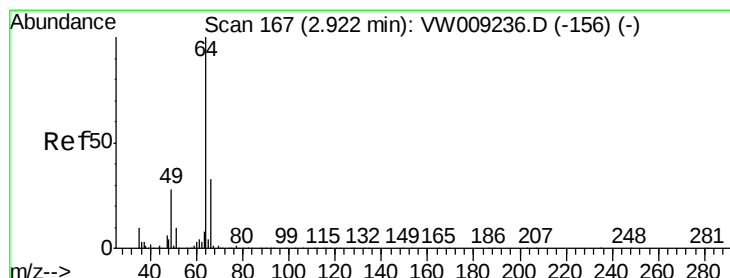
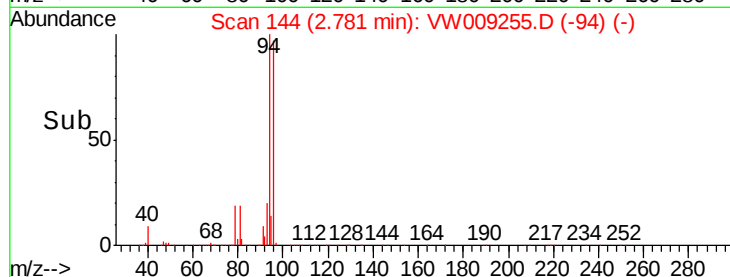
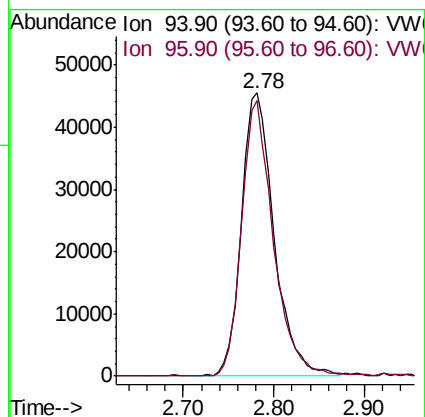
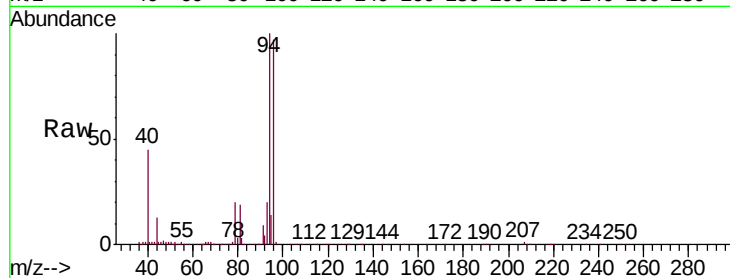
VSTDCCC050

Tgt Ion: 94 Resp: 113651

Ion Ratio Lower Upper

94 100

96 97.4 71.4 107.2



#6

Chloroethane

Concen: 49.359 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009255.D

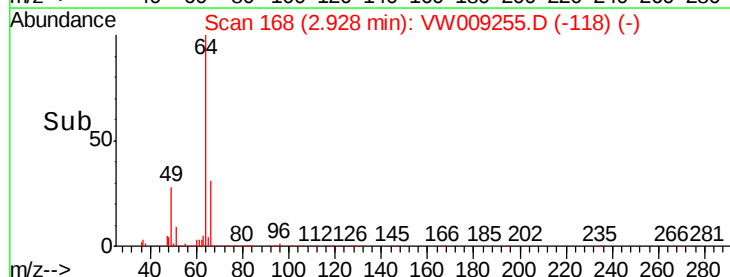
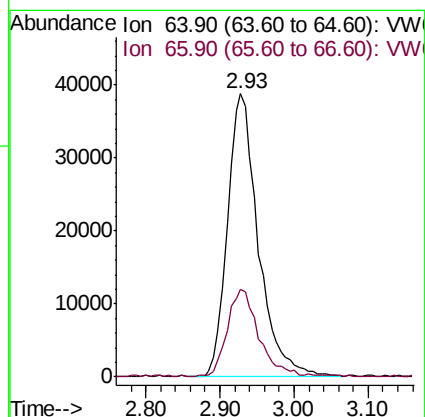
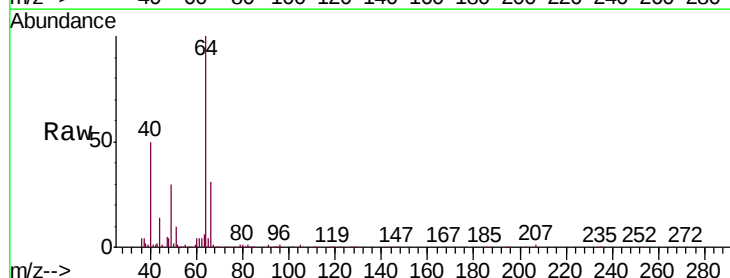
Acq: 19 Mar 2019 23:16

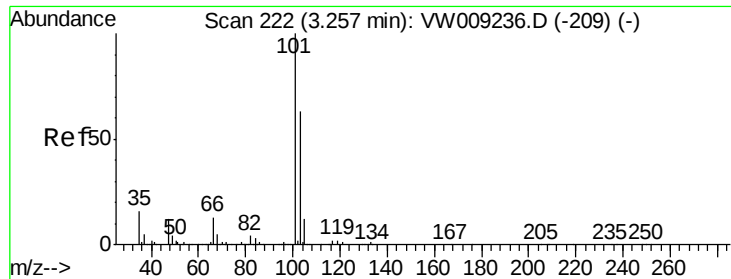
Tgt Ion: 64 Resp: 112245

Ion Ratio Lower Upper

64 100

66 30.9 26.2 39.2



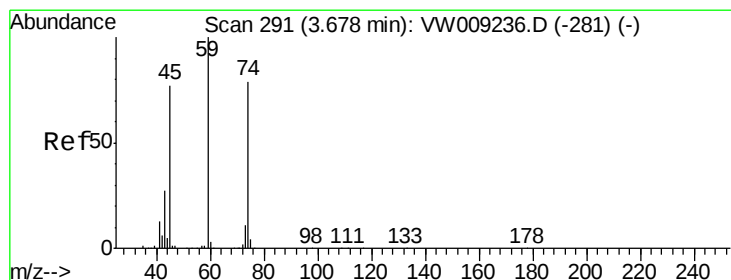
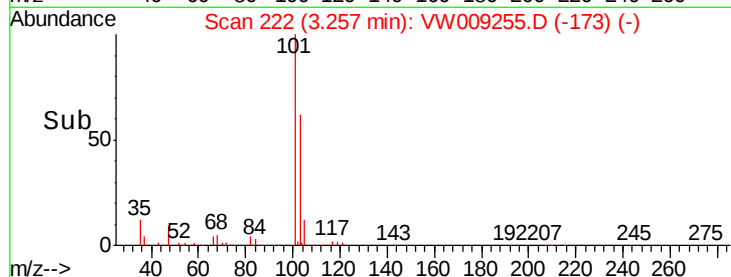
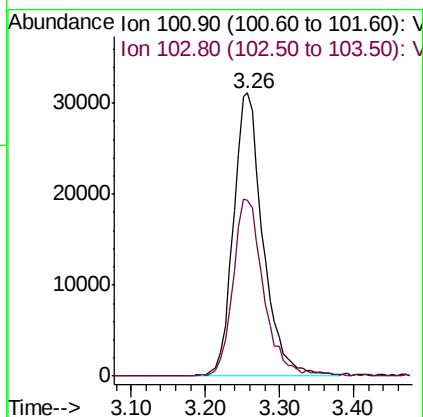
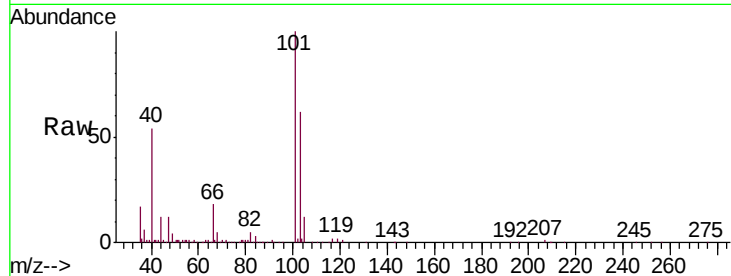


#7

Trichlorofluoromethane
 Concen: 45.155 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
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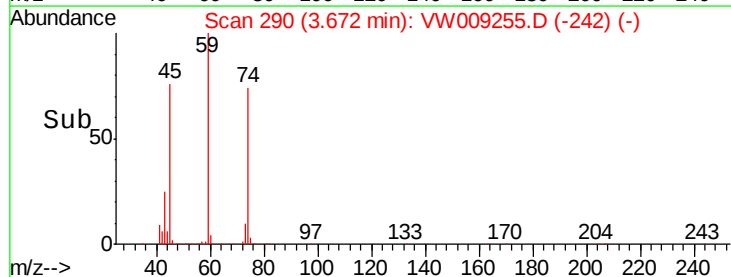
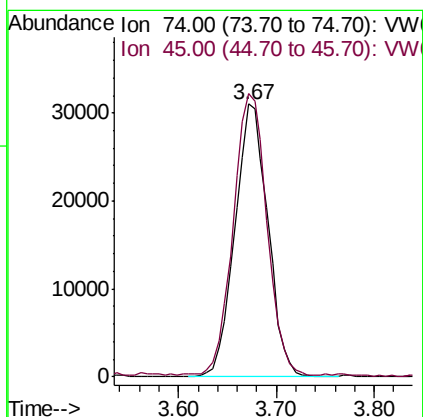
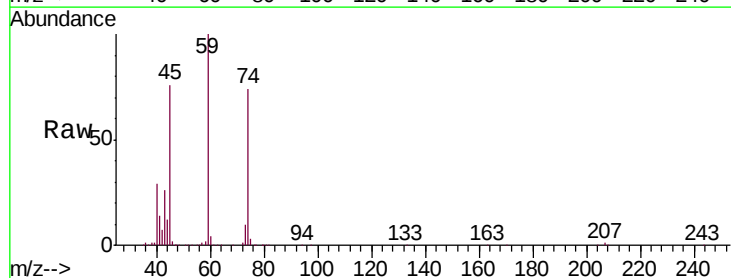
Tgt Ion:101 Resp: 86702
 Ion Ratio Lower Upper
 101 100
 103 61.6 50.5 75.7

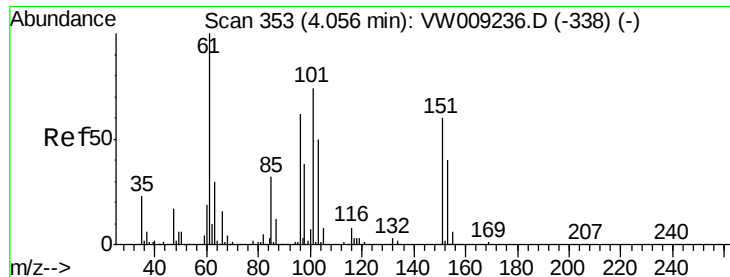


#8

Diethyl Ether
 Concen: 52.535 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 74 Resp: 72748
 Ion Ratio Lower Upper
 74 100
 45 104.6 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.217 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009255.D

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MSVOA_W

ClientSampleId :

VSTDCCC050

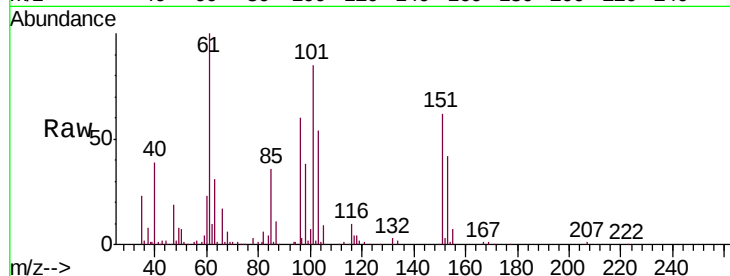
Tgt Ion:101 Resp: 131330

Ion Ratio Lower Upper

101 100

85 45.4 35.1 52.7

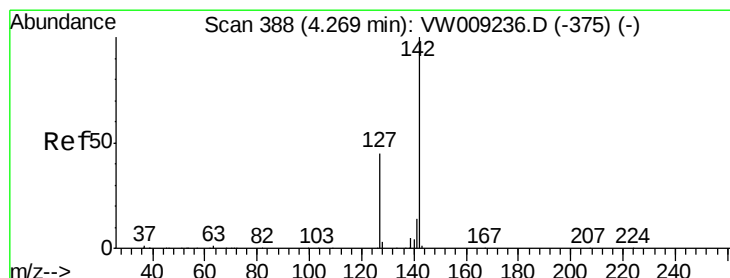
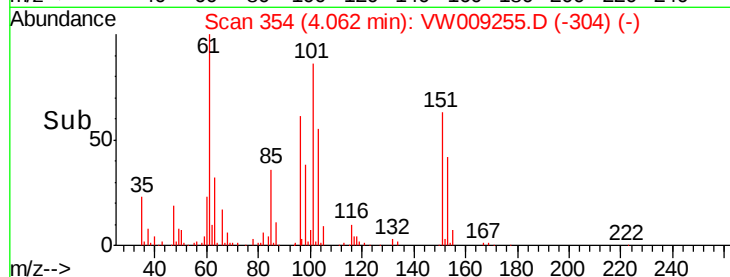
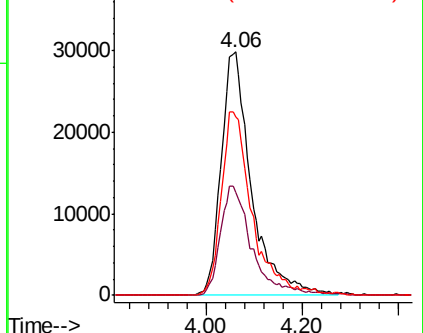
151 76.5 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.709 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

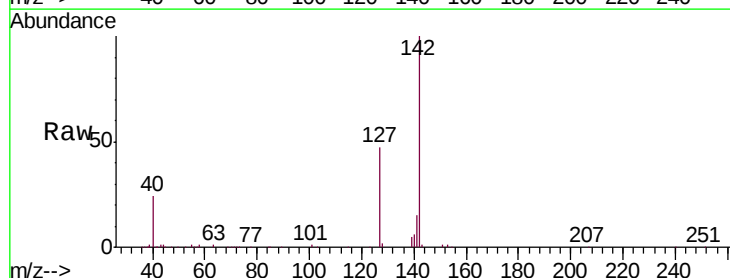
Tgt Ion:142 Resp: 199310

Ion Ratio Lower Upper

142 100

127 46.7 35.9 53.9

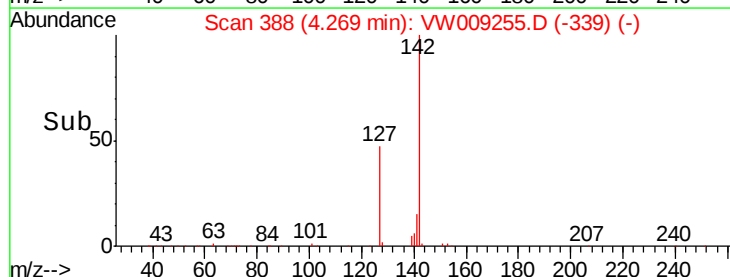
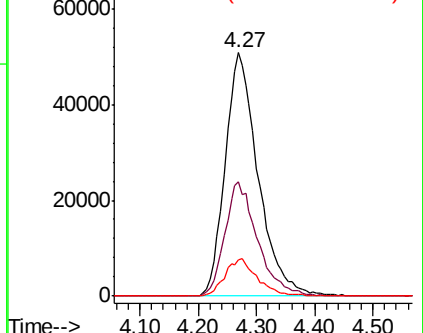
141 15.2 11.4 17.2

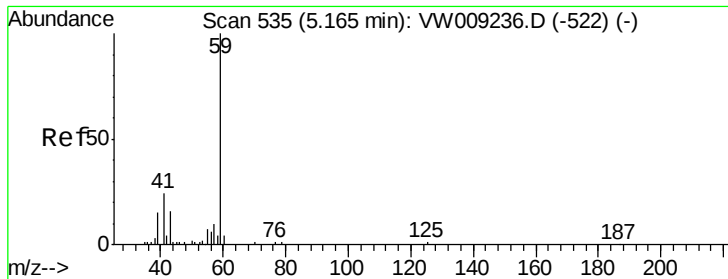


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

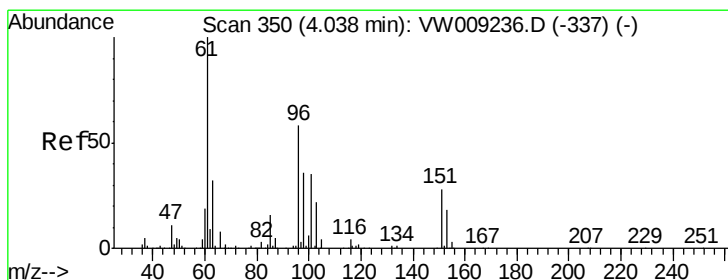
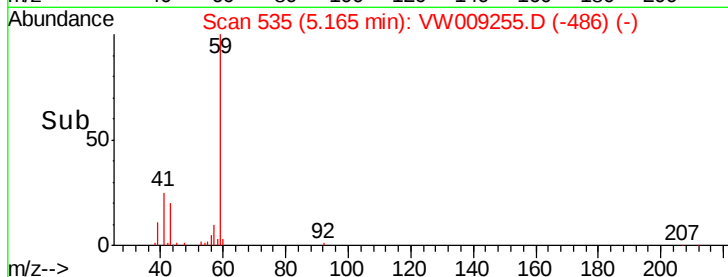
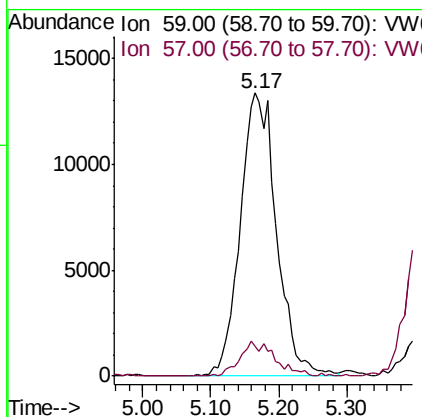
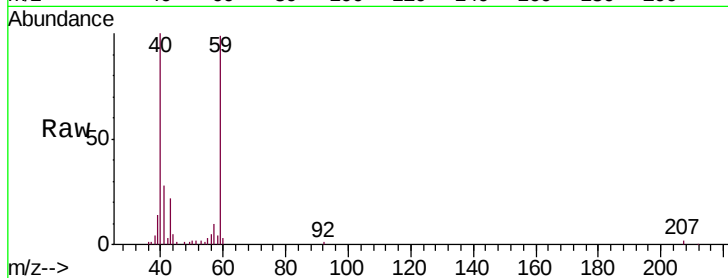




#11
Tert butyl alcohol
Concen: 291.848 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

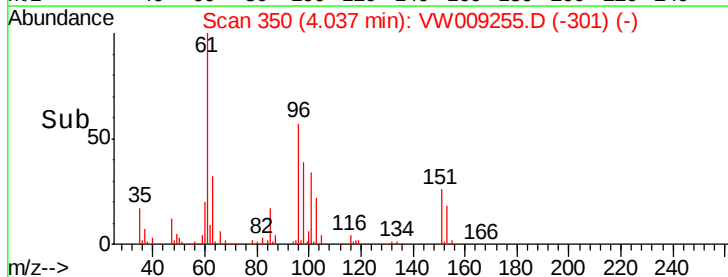
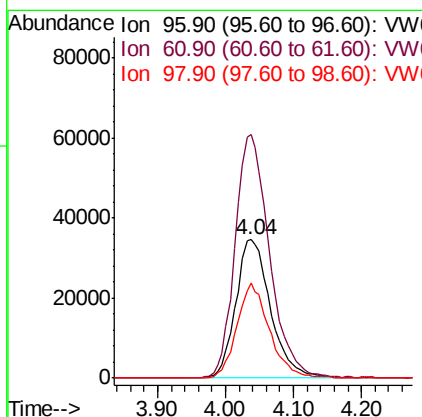
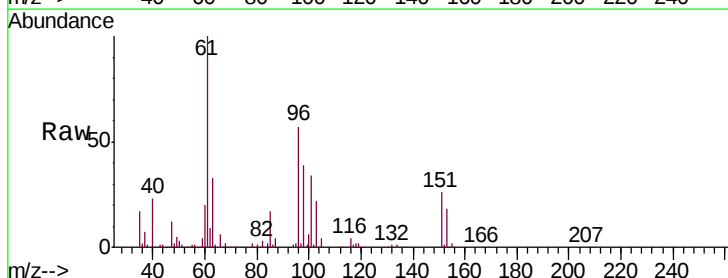
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

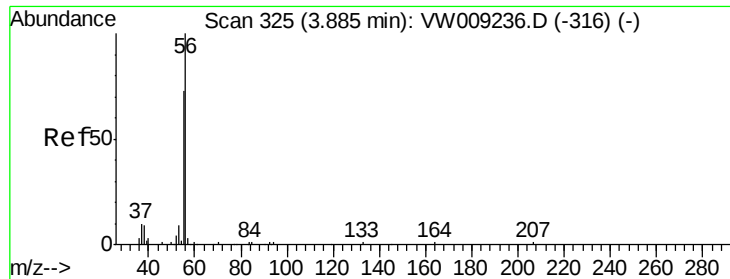
Tgt Ion: 59 Resp: 49650
Ion Ratio Lower Upper
59 100
57 6.4 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 46.658 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 96 Resp: 122674
Ion Ratio Lower Upper
96 100
61 176.3 138.0 207.0
98 68.6 49.8 74.8





#13

Acrolein

Concen: 237.310 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

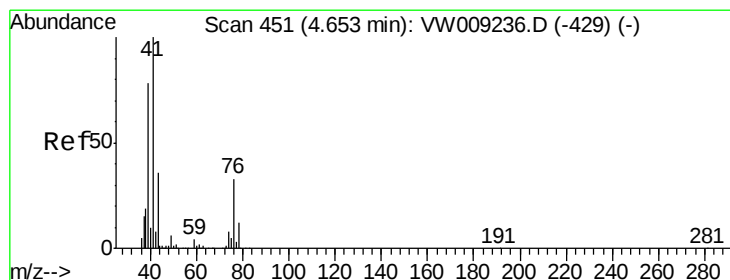
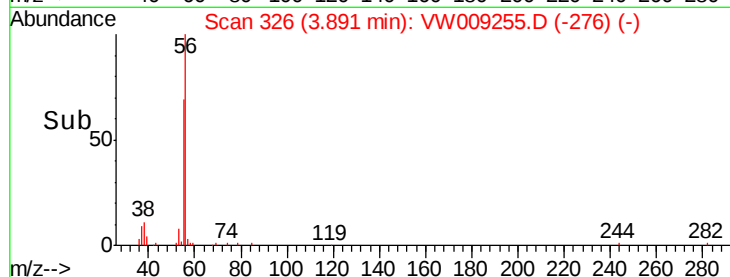
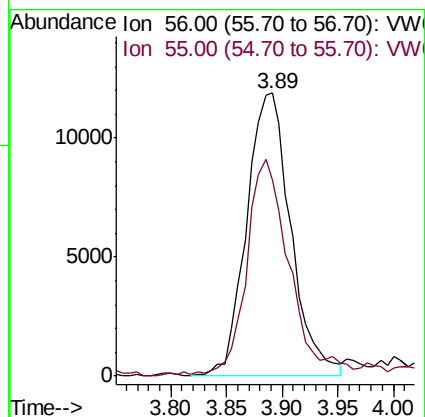
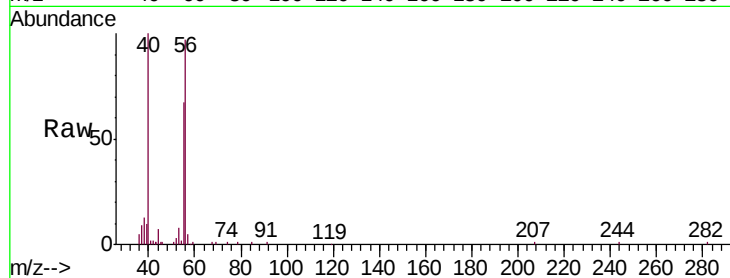
VSTDCCC050

Tgt Ion: 56 Resp: 32953

Ion Ratio Lower Upper

56 100

55 74.8 55.2 82.8



#14

Allyl chloride

Concen: 51.217 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

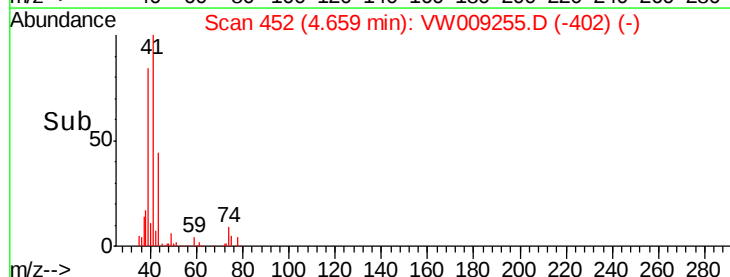
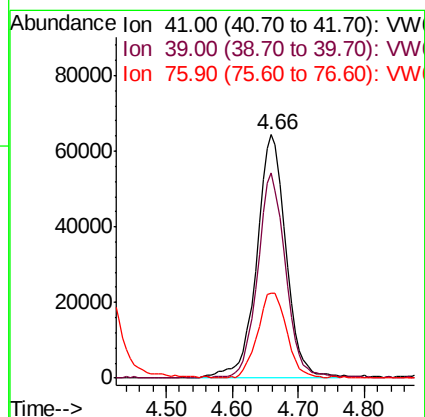
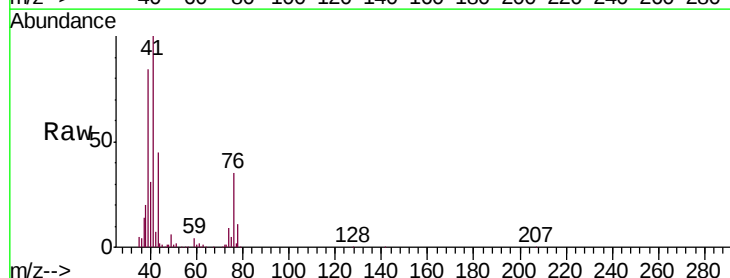
Tgt Ion: 41 Resp: 198519

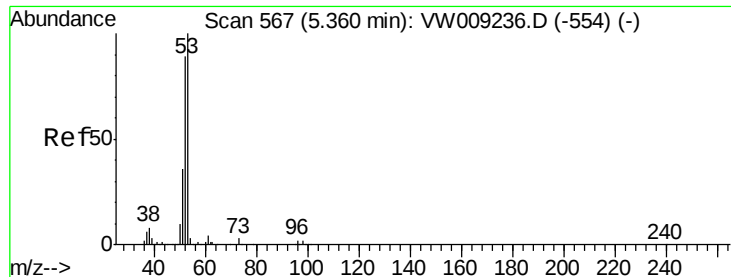
Ion Ratio Lower Upper

41 100

39 80.7 63.8 95.6

76 34.4 27.8 41.6





#15

Acrylonitrile

Concen: 286.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

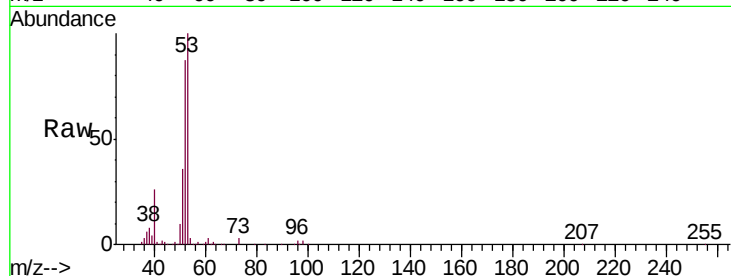
Tgt Ion: 53 Resp: 166663

Ion Ratio Lower Upper

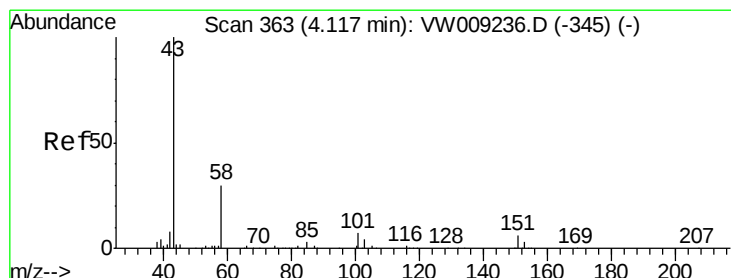
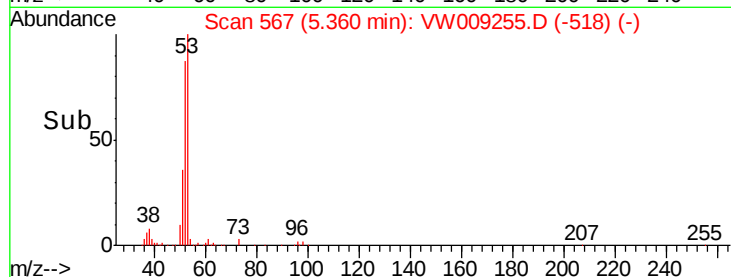
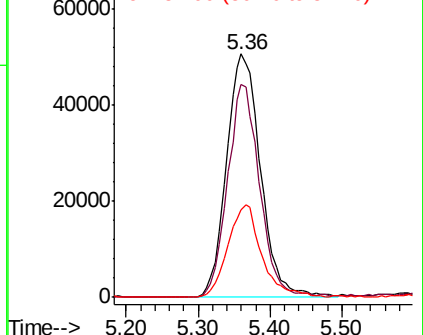
53 100

52 82.7 67.6 101.4

51 37.6 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 246.526 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009255.D

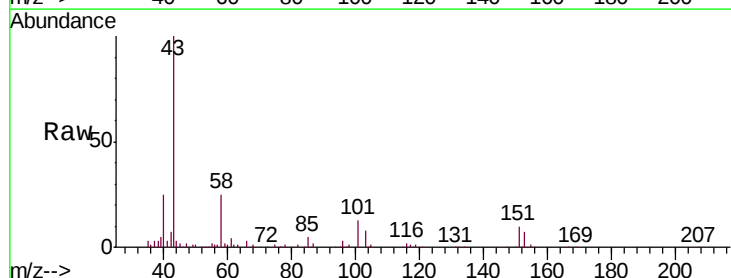
Acq: 19 Mar 2019 23:16

Tgt Ion: 43 Resp: 148213

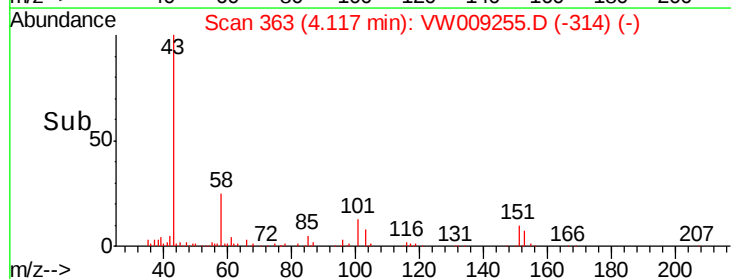
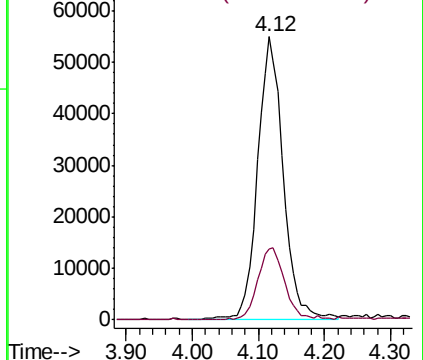
Ion Ratio Lower Upper

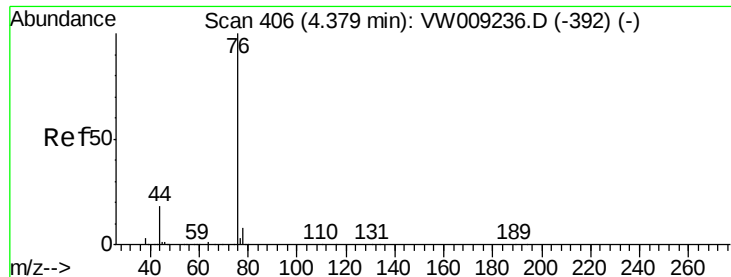
43 100

58 24.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 45.935 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

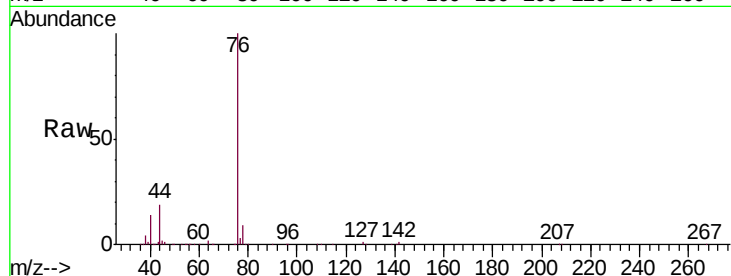
VSTDCCC050

Tgt Ion: 76 Resp: 336689

Ion Ratio Lower Upper

76 100

78 8.9 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

60000

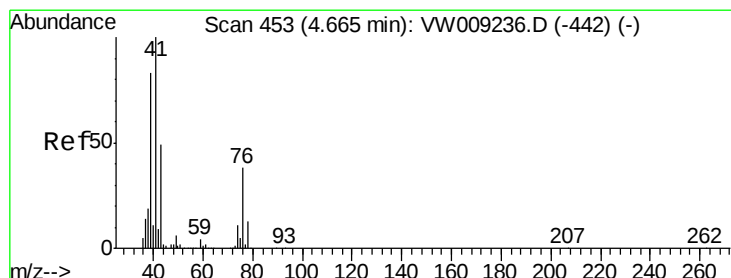
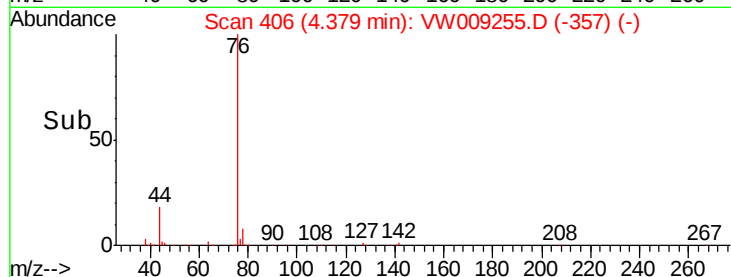
40000

20000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 57.173 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009255.D

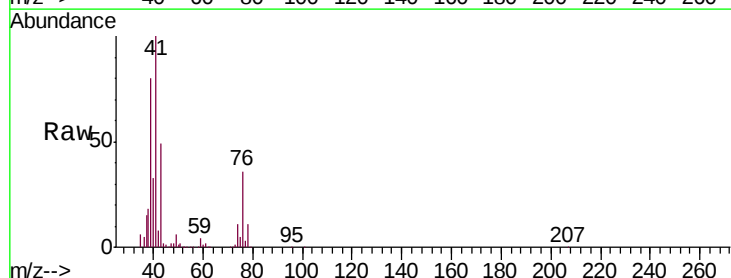
Acq: 19 Mar 2019 23:16

Tgt Ion: 43 Resp: 88216

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

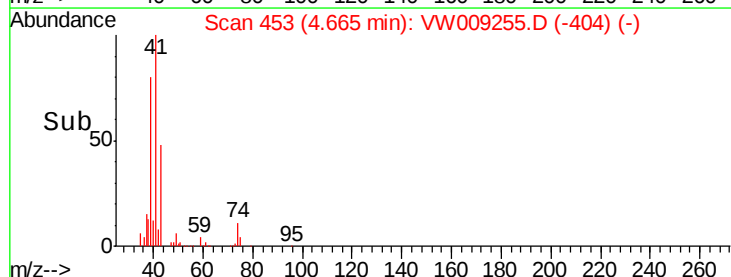
20000

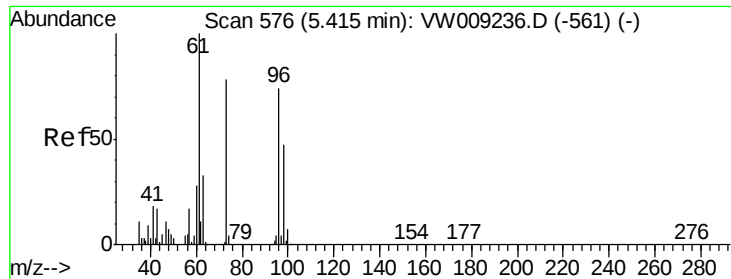
10000

0

Time-->

4.50 4.60 4.70 4.80

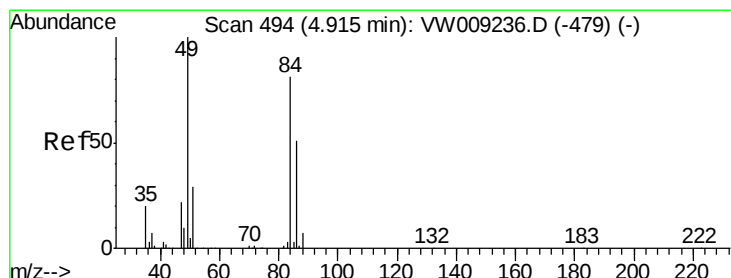
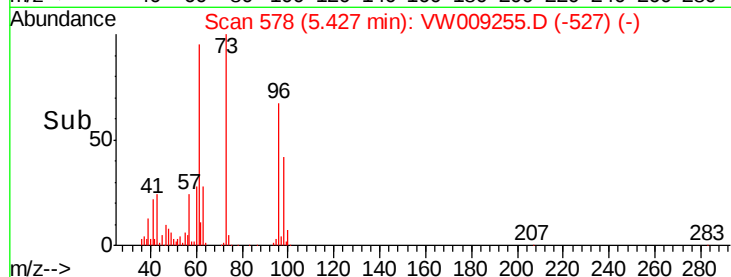
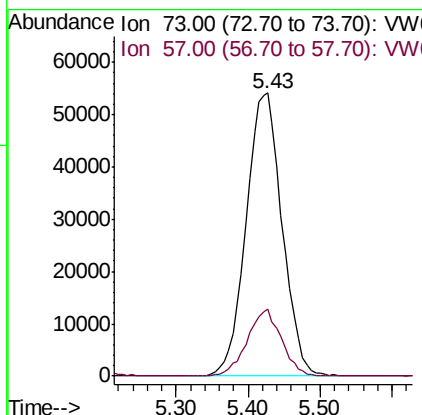
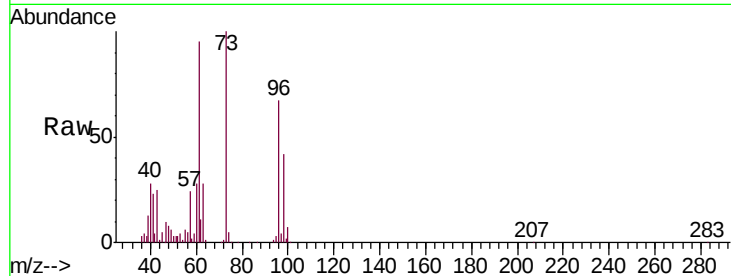




#19
Methyl tert-butyl Ether
Concen: 58.119 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

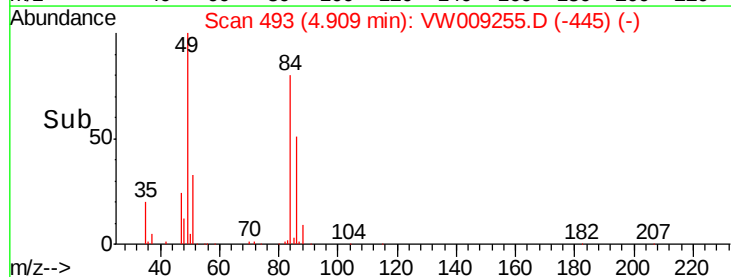
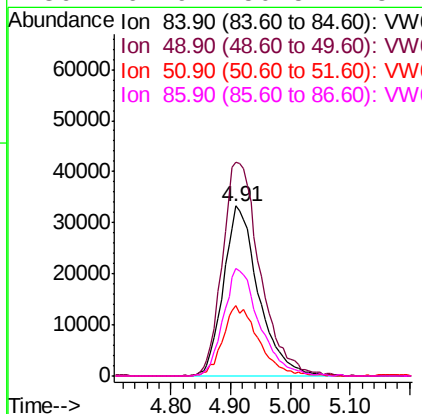
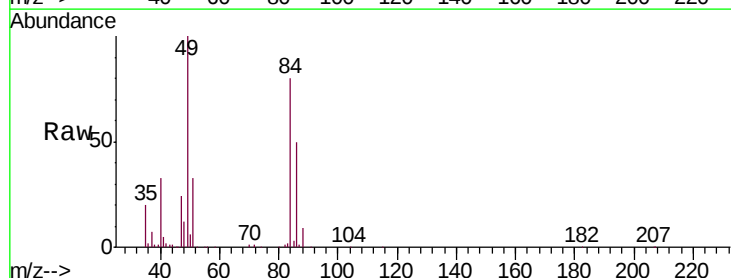
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

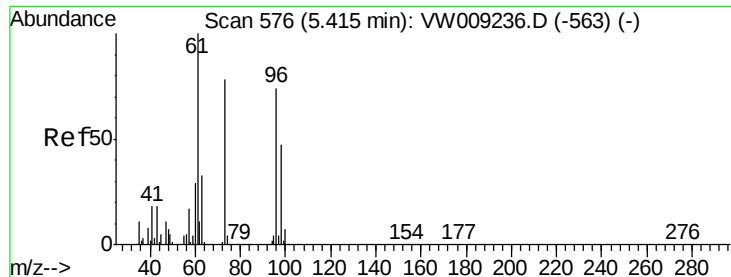
Tgt Ion: 73 Resp: 187544
Ion Ratio Lower Upper
73 100
57 23.8 17.0 25.6



#20
Methylene Chloride
Concen: 54.581 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 84 Resp: 136575
Ion Ratio Lower Upper
84 100
49 125.2 99.1 148.7
51 41.0 28.7 43.1
86 62.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.226 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

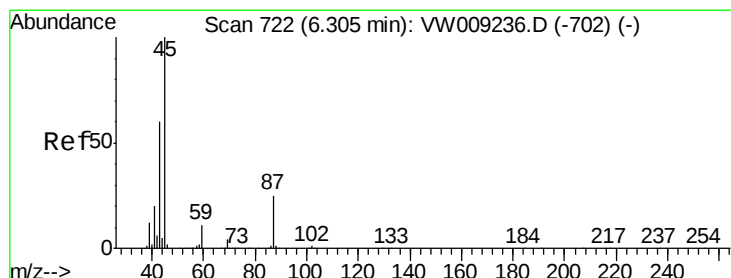
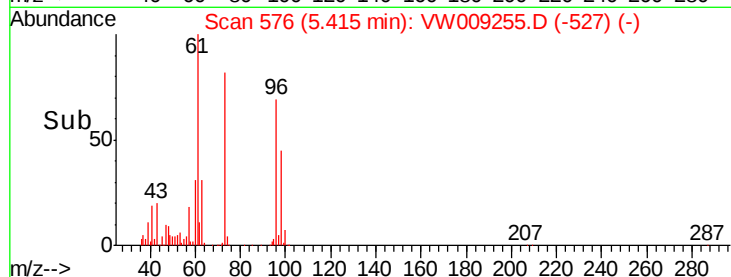
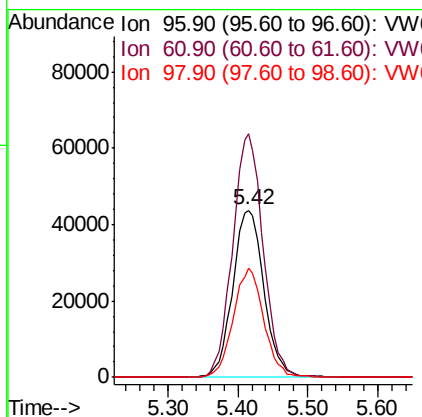
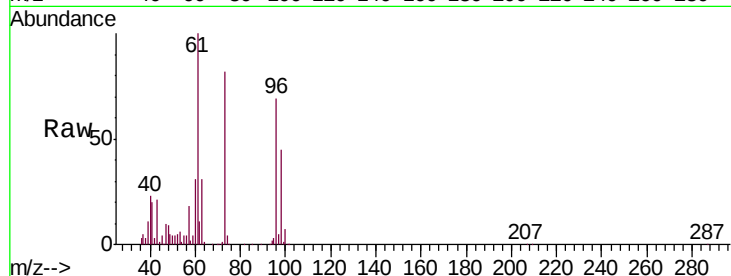
Tgt Ion: 96 Resp: 135863

Ion Ratio Lower Upper

96 100

61 145.7 108.2 162.4

98 65.0 50.9 76.3



#22

Diisopropyl ether

Concen: 55.114 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion: 45 Resp: 460545

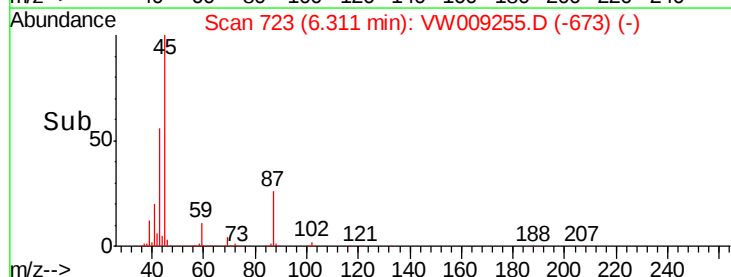
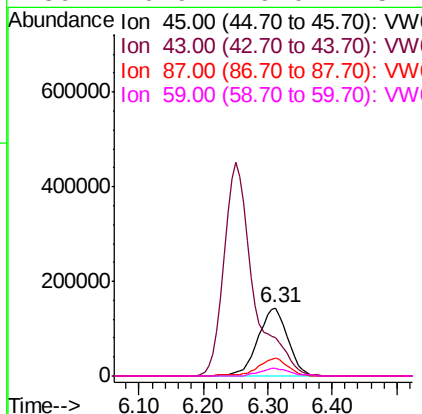
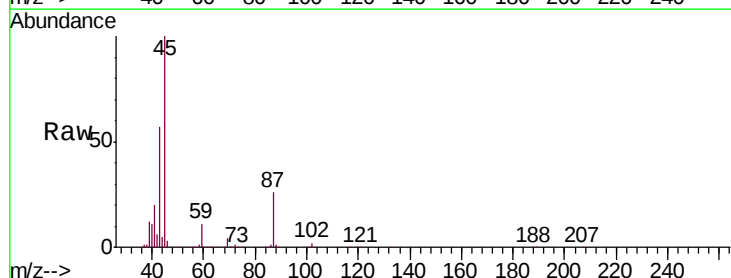
Ion Ratio Lower Upper

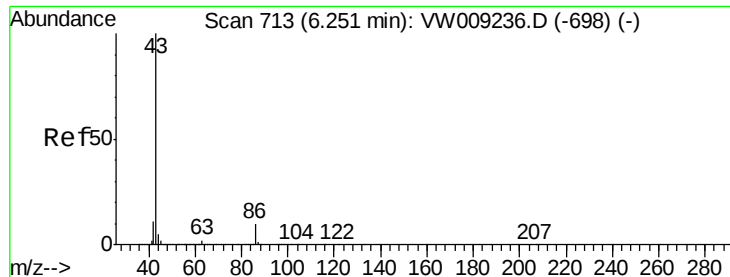
45 100

43 56.5 47.9 71.9

87 25.7 20.6 30.8

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 277.020 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

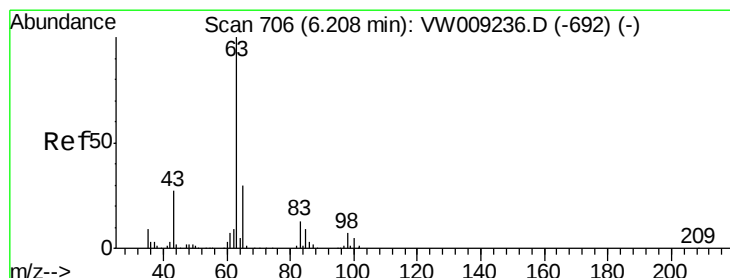
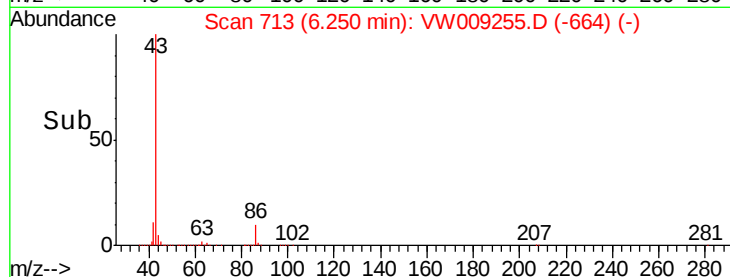
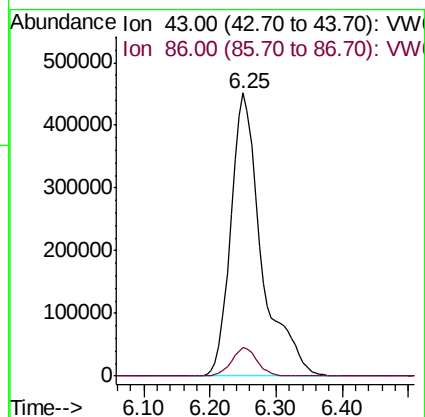
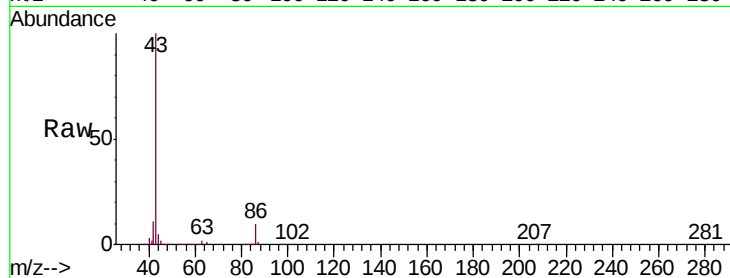
VSTDCCC050

Tgt Ion: 43 Resp: 1452412

Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5



#24

1,1-Dichloroethane

Concen: 50.933 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

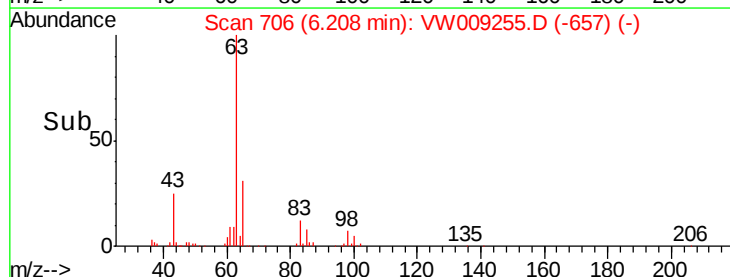
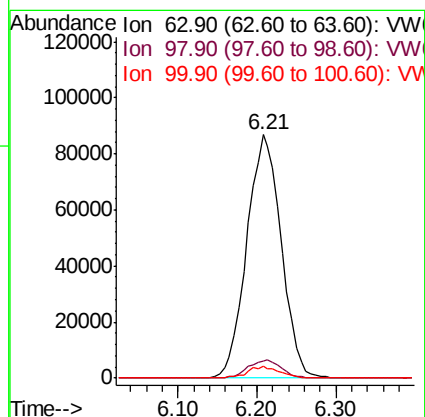
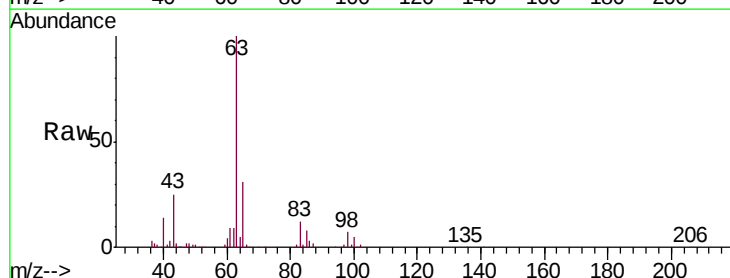
Tgt Ion: 63 Resp: 262662

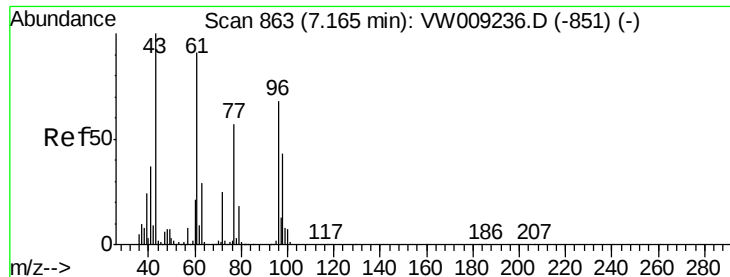
Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 276.197 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

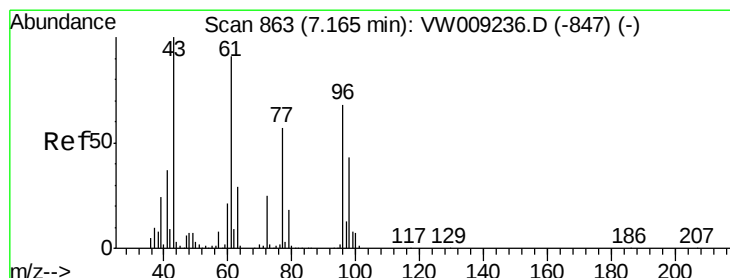
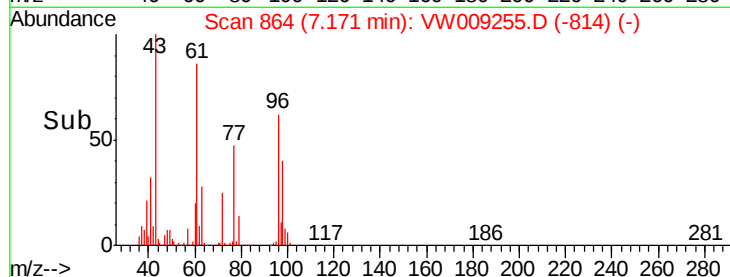
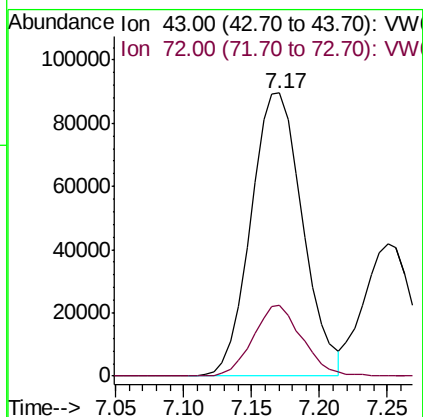
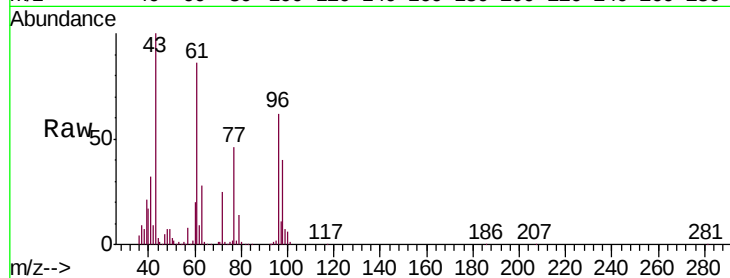
VSTDCCC050

Tgt Ion: 43 Resp: 237933

Ion Ratio Lower Upper

43 100

72 25.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 46.502 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009255.D

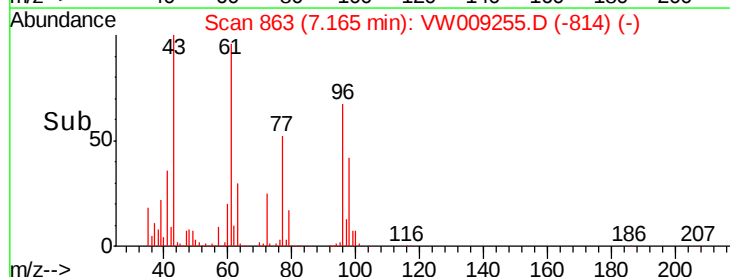
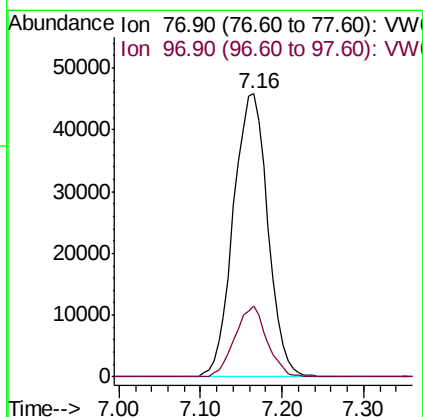
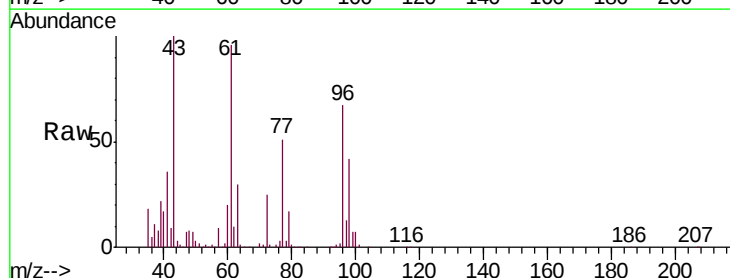
Acq: 19 Mar 2019 23:16

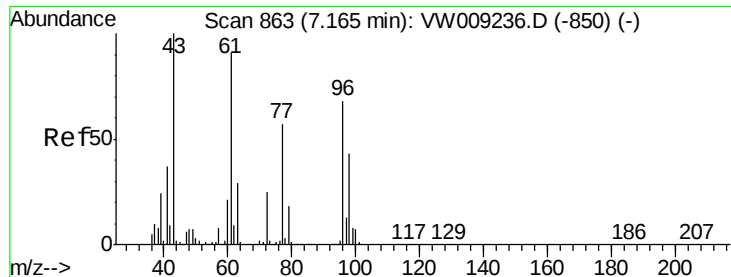
Tgt Ion: 77 Resp: 133994

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



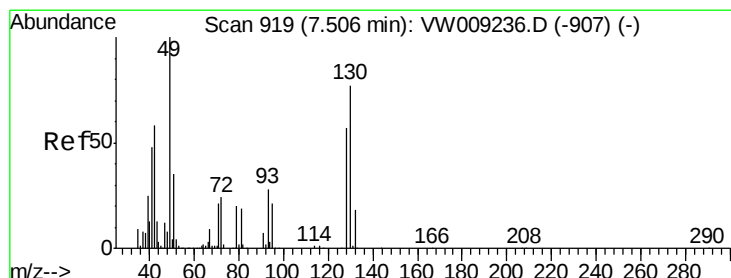
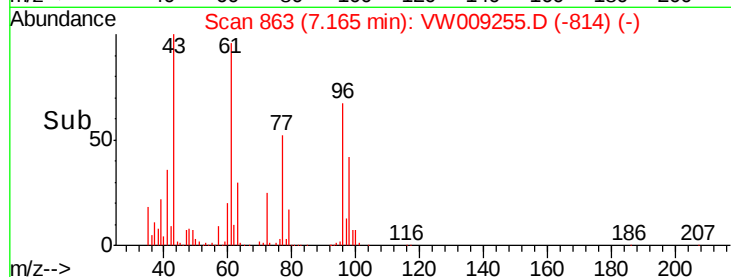
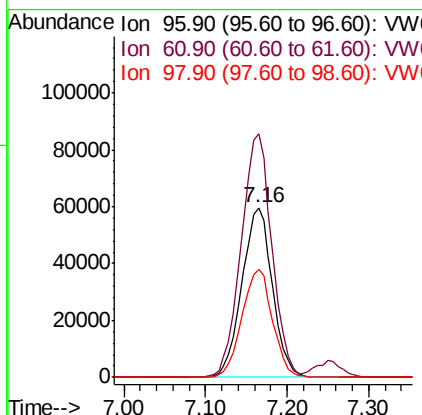
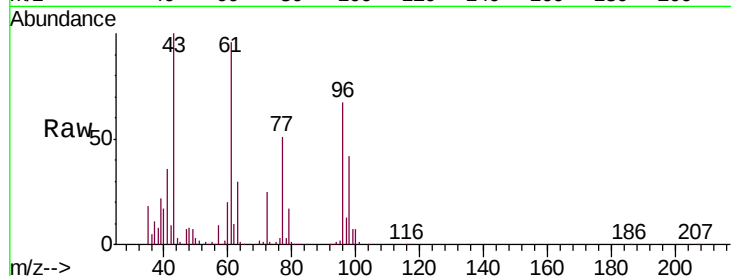


#27

cis-1,2-Dichloroethene
 Concen: 52.864 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

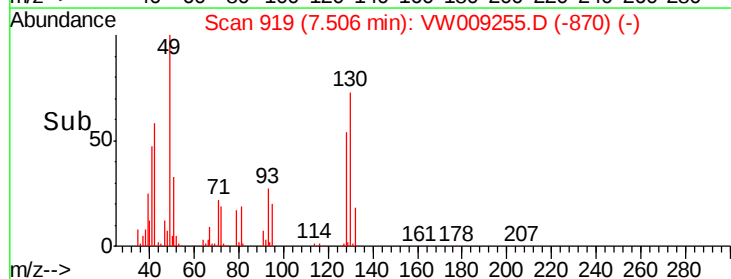
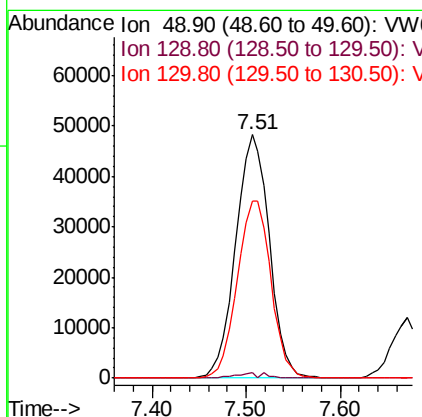
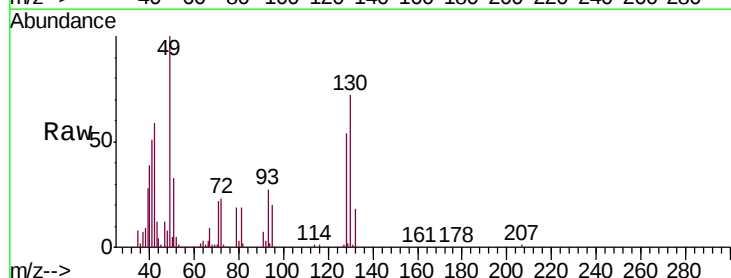
Tgt Ion: 96 Resp: 154918
 Ion Ratio Lower Upper
 96 100
 61 144.2 0.0 289.8
 98 63.6 0.0 130.8

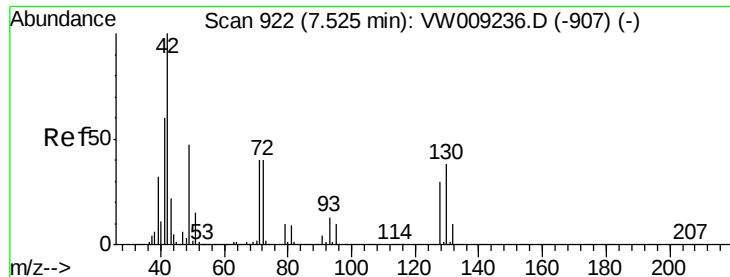


#28

Bromochloromethane
 Concen: 53.321 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 49 Resp: 120612
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.4
 130 0.0 58.6 88.0#

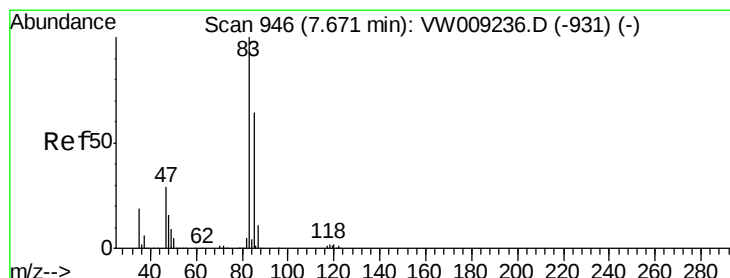
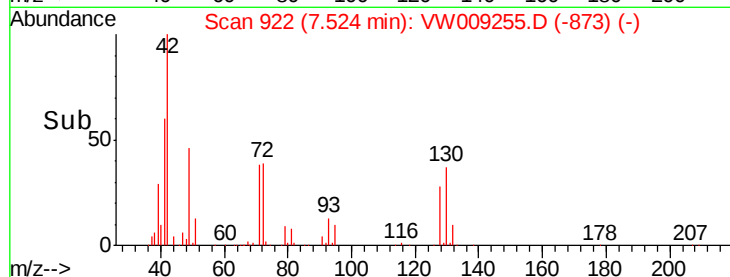
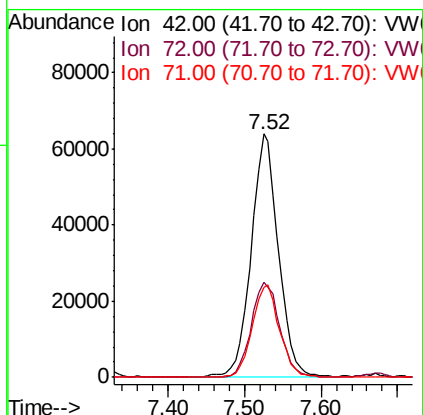
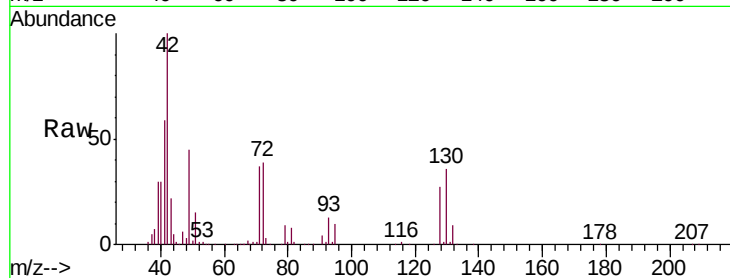




#29
Tetrahydrofuran
Concen: 288.203 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

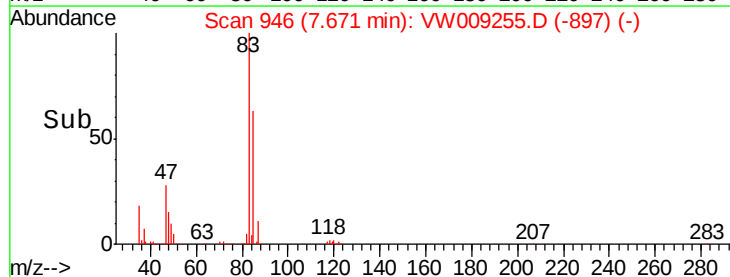
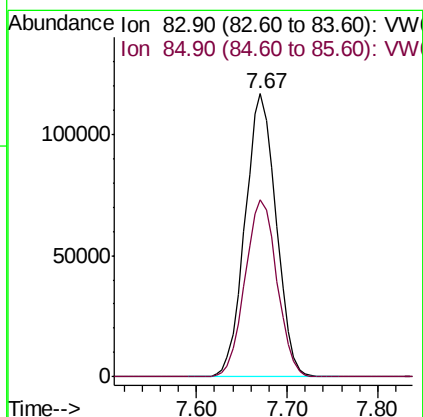
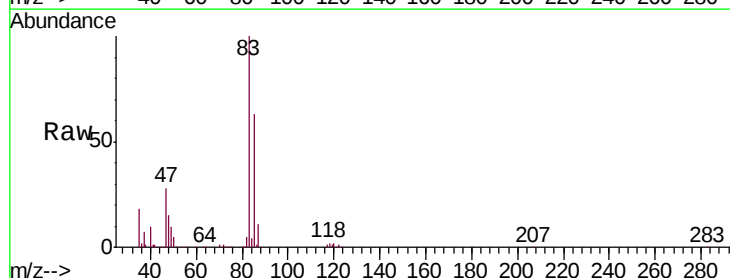
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

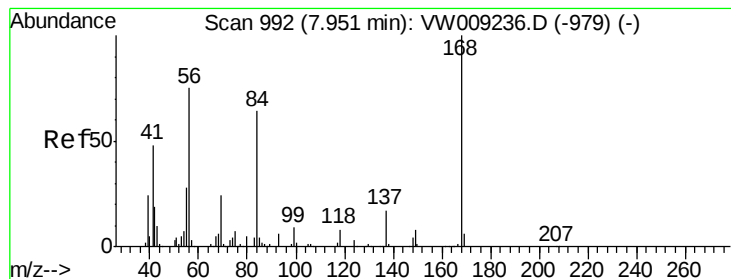
Tgt Ion: 42 Resp: 157810
Ion Ratio Lower Upper
42 100
72 41.2 32.4 48.6
71 38.4 30.1 45.1



#30
Chloroform
Concen: 51.498 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 83 Resp: 276325
Ion Ratio Lower Upper
83 100
85 62.8 51.0 76.6





#31

Cyclohexane

Concen: 44.843 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

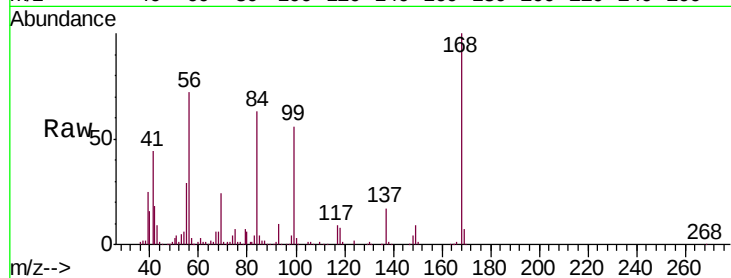
Tgt Ion: 56 Resp: 215601

Ion Ratio Lower Upper

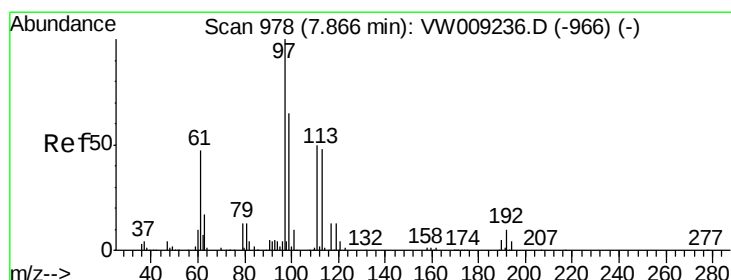
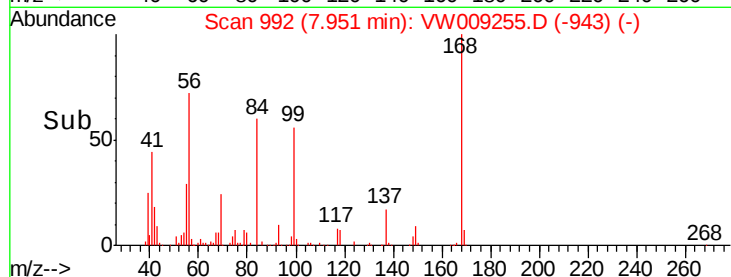
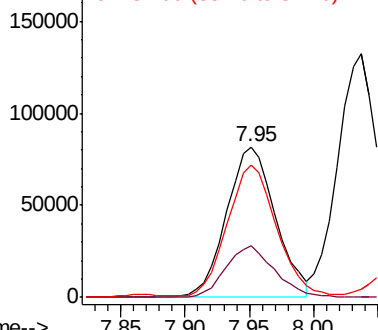
56 100

69 33.7 26.1 39.1

84 86.6 68.6 103.0



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: 48.892 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

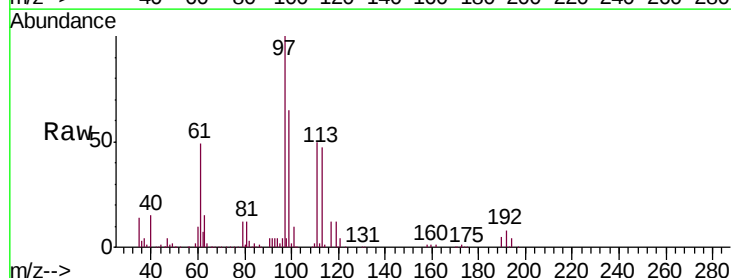
Tgt Ion: 97 Resp: 209405

Ion Ratio Lower Upper

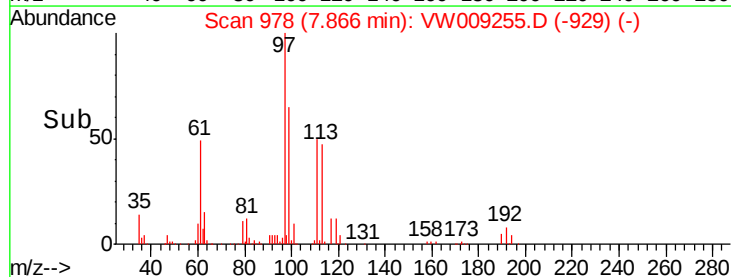
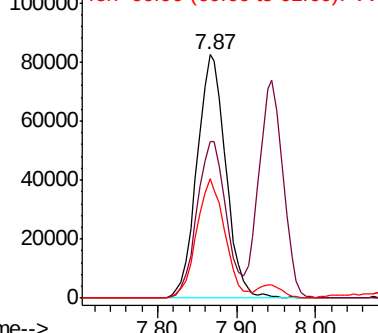
97 100

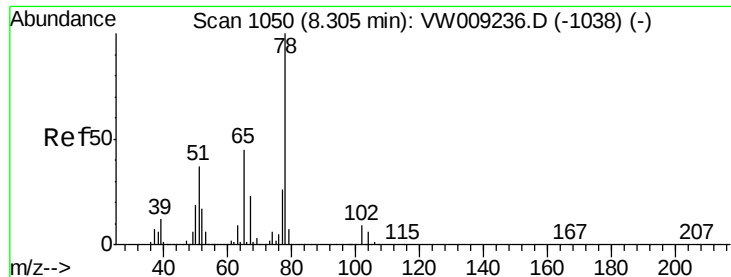
99 65.4 51.9 77.9

61 48.3 36.8 55.2



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: 53.962 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

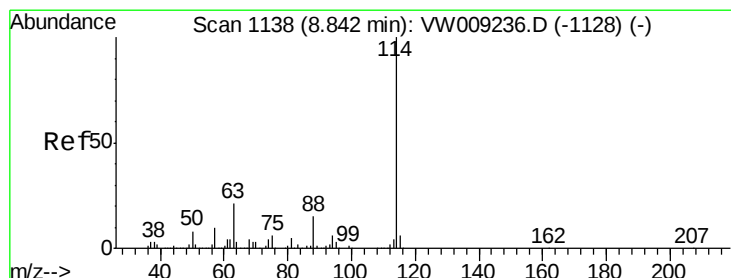
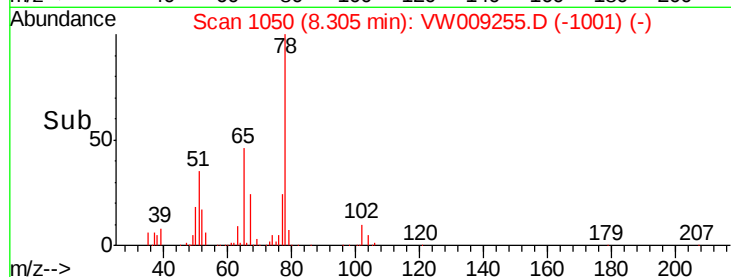
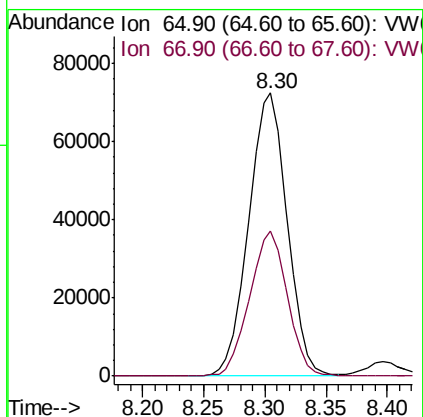
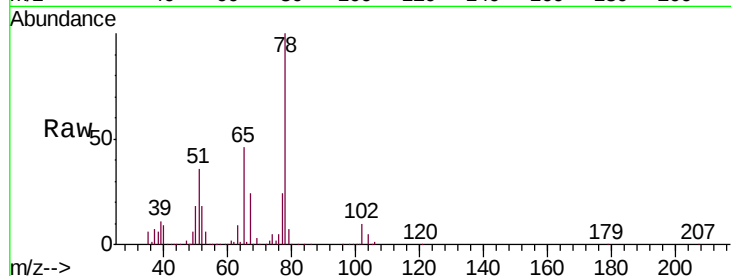
VSTDCCC050

Tgt Ion: 65 Resp: 158129

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

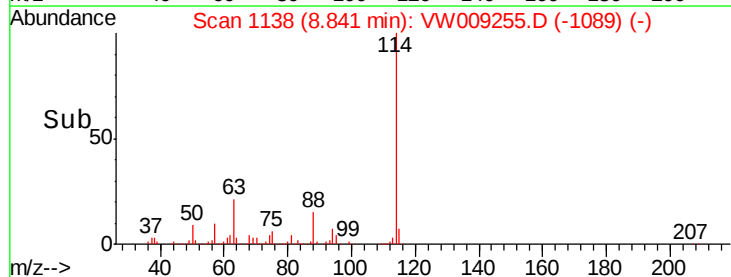
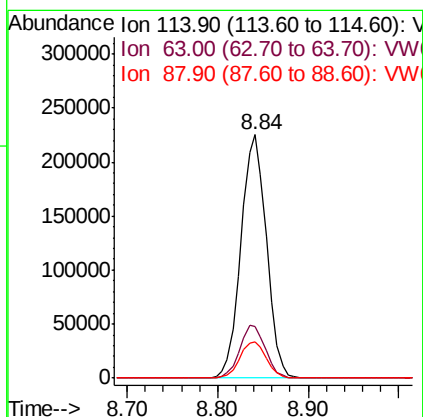
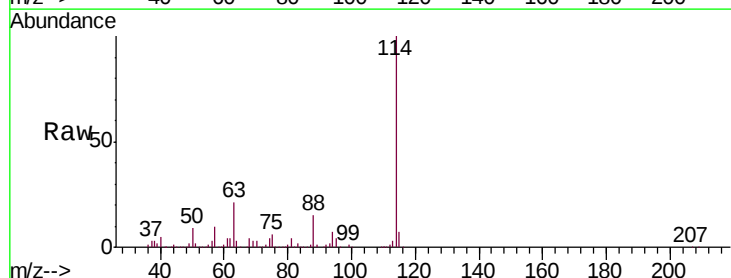
Tgt Ion: 114 Resp: 437295

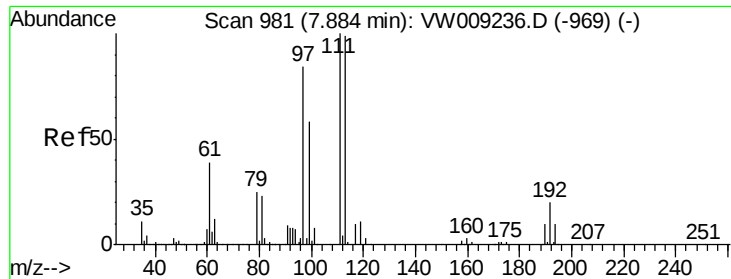
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.086 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

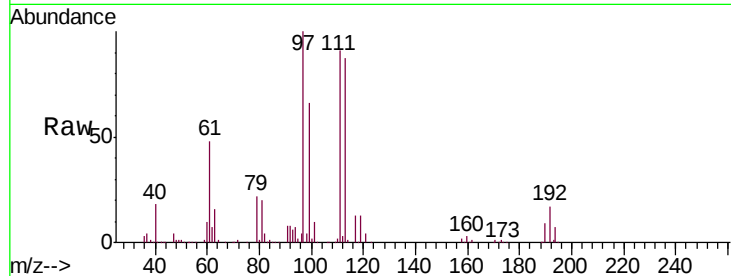
Tgt Ion:113 Resp: 136162

Ion Ratio Lower Upper

113 100

111 104.7 82.6 124.0

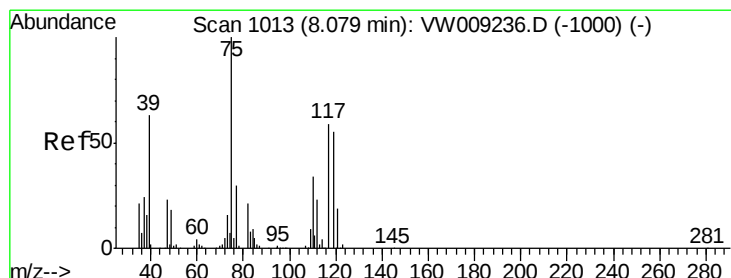
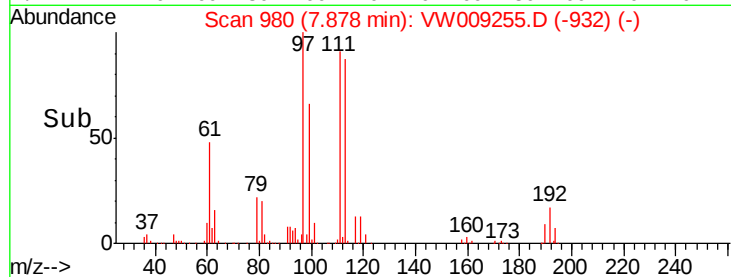
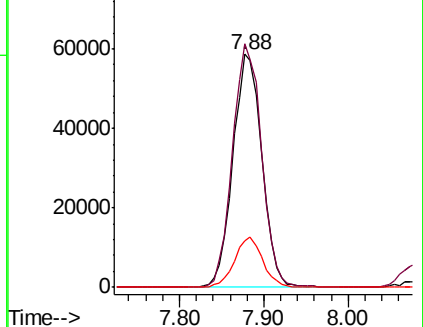
192 20.8 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.287 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

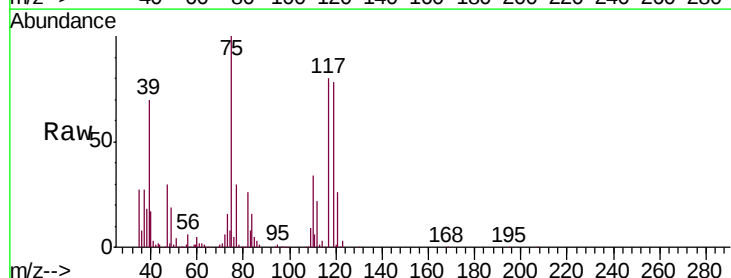
Tgt Ion: 75 Resp: 201421

Ion Ratio Lower Upper

75 100

110 34.7 16.8 50.4

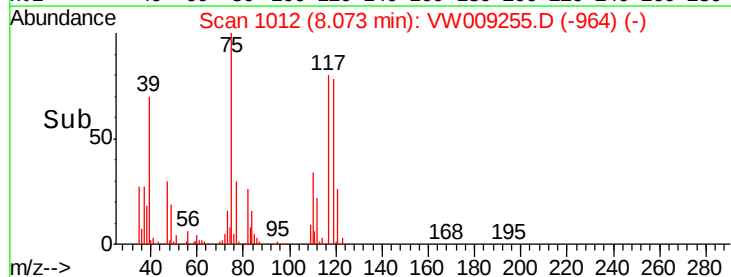
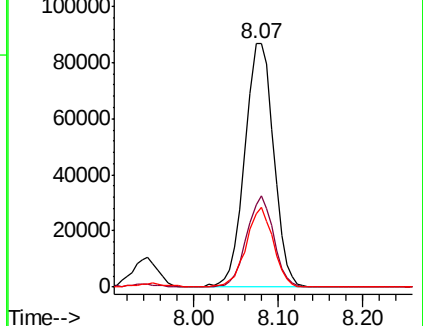
77 30.8 24.6 36.8

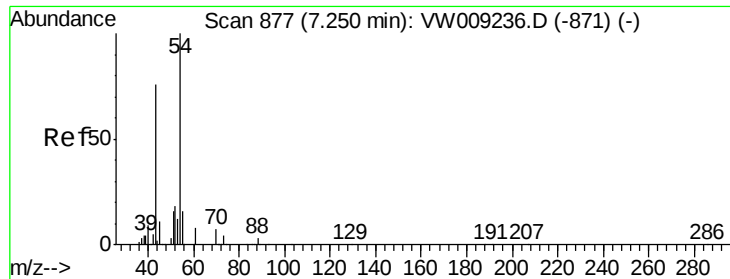


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

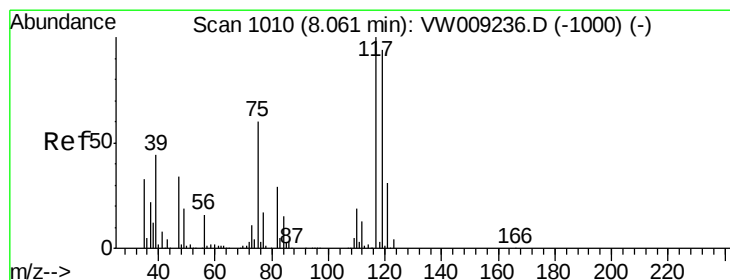
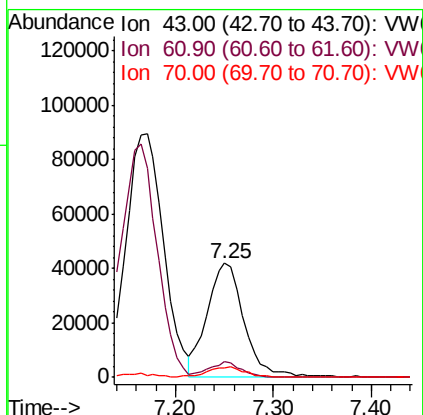
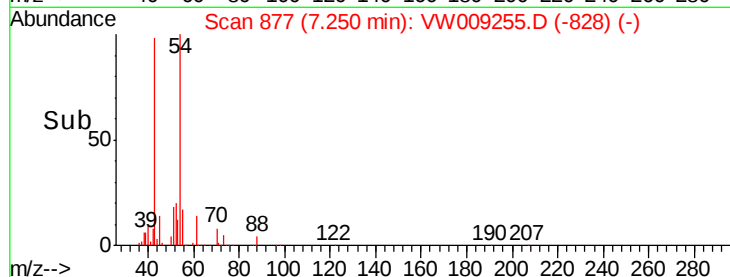
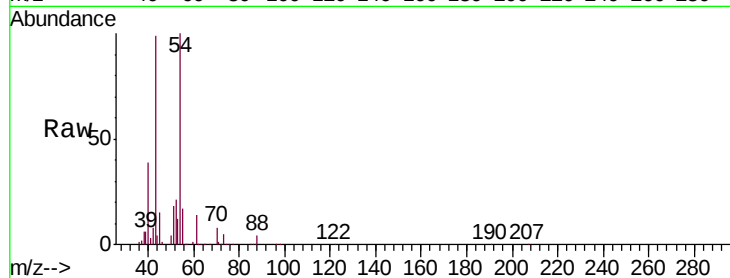




#37
Ethyl Acetate
Concen: 54.435 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

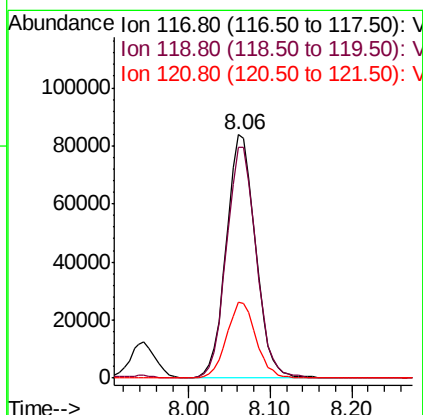
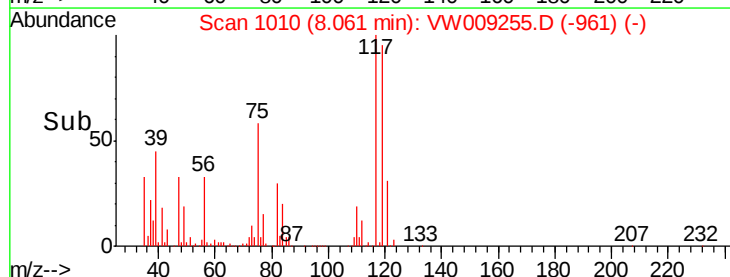
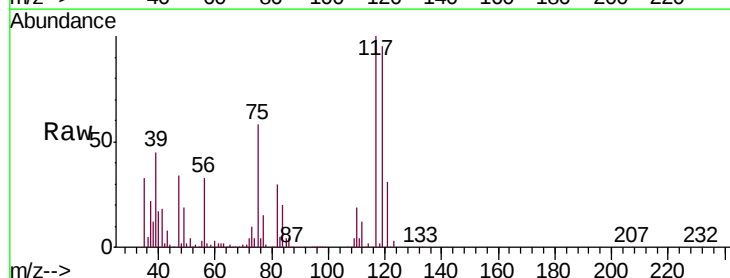
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

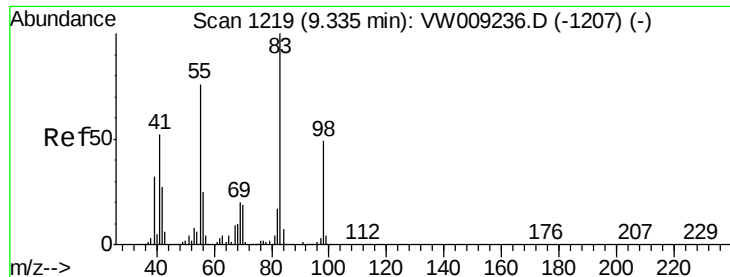
Tgt Ion: 43 Resp: 108089
Ion Ratio Lower Upper
43 100
61 12.1 10.0 15.0
70 9.6 7.3 10.9



#38
Carbon Tetrachloride
Concen: 45.024 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 117 Resp: 207342
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0
121 31.1 24.9 37.3

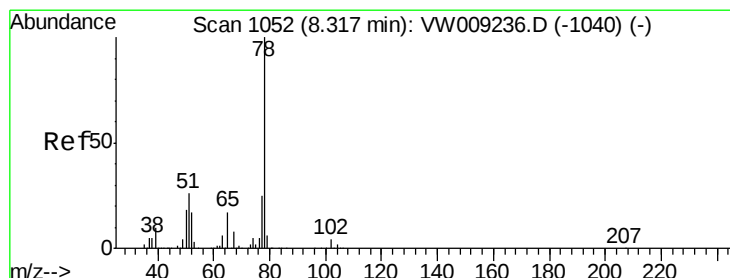
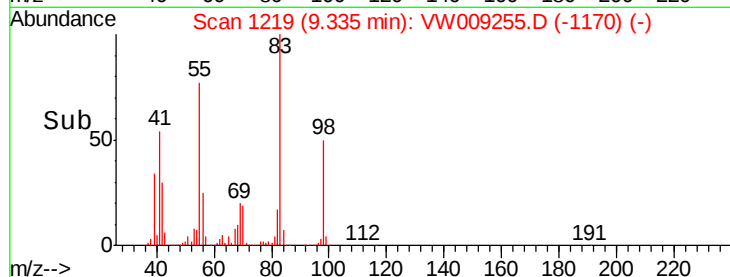
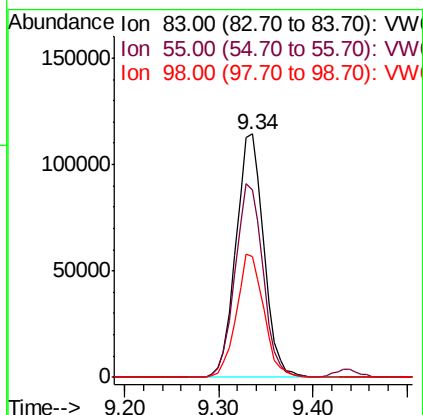
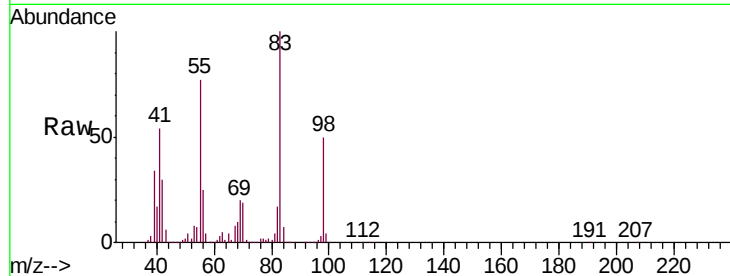




#39
Methylcyclohexane
Concen: 46.805 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

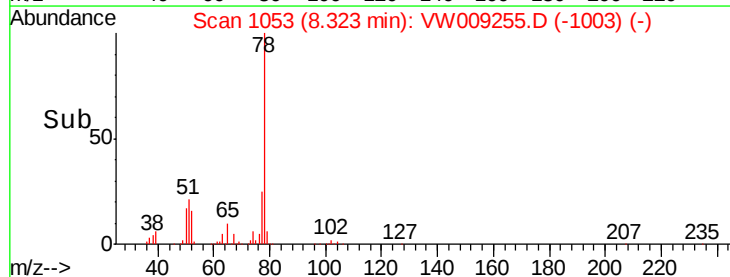
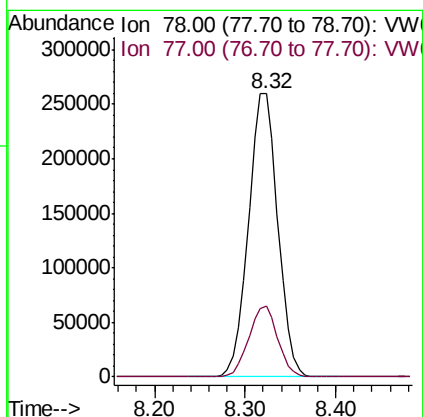
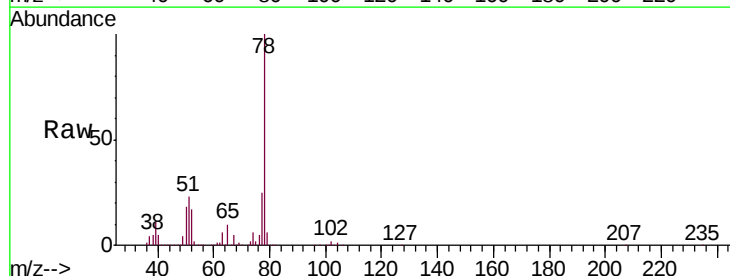
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

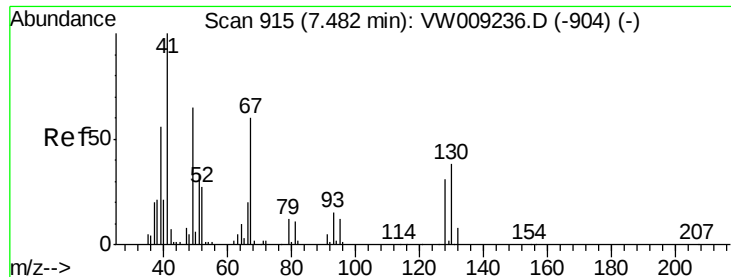
Tgt Ion: 83 Resp: 235644
Ion Ratio Lower Upper
83 100
55 76.8 61.1 91.7
98 49.5 39.0 58.4



#40
Benzene
Concen: 49.152 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 78 Resp: 580005
Ion Ratio Lower Upper
78 100
77 24.8 19.8 29.6





#41

Methacrylonitrile

Concen: 59.100 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 63249

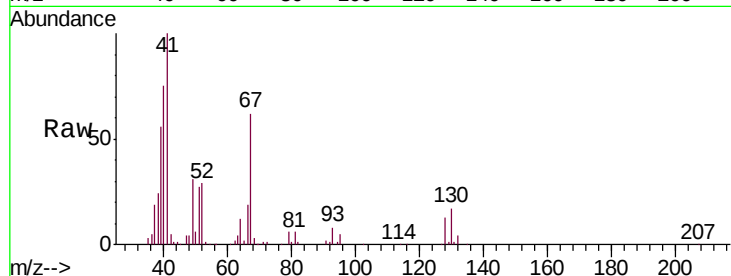
Ion Ratio Lower Upper

41 100

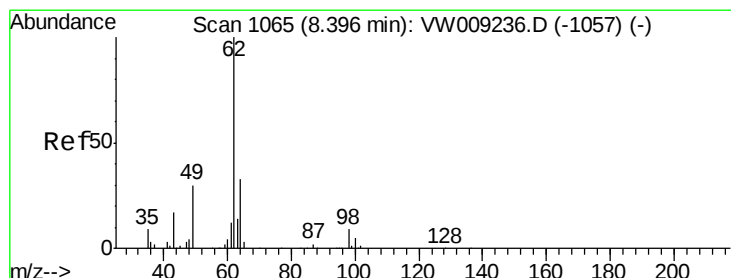
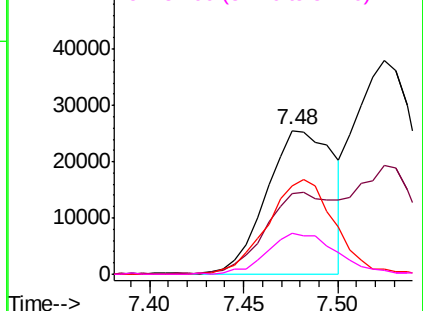
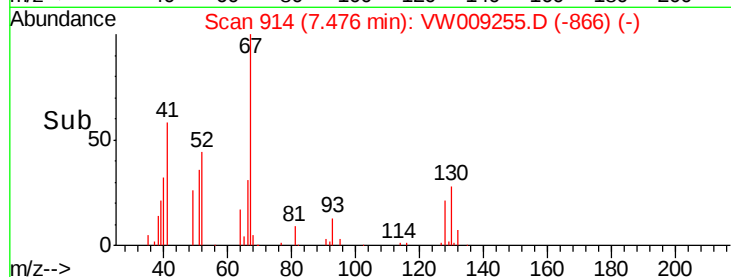
39 59.6 52.5 78.7

67 65.8 56.6 84.8

52 30.0 27.2 40.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.252 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009255.D

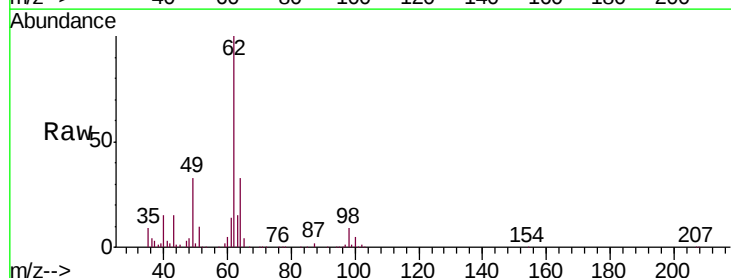
Acq: 19 Mar 2019 23:16

Tgt Ion: 62 Resp: 197699

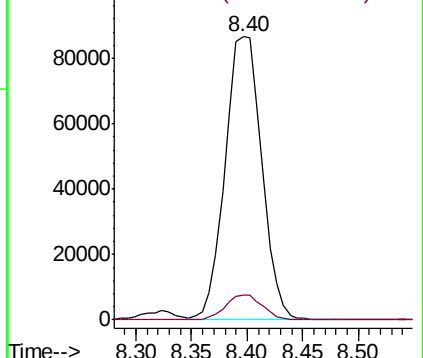
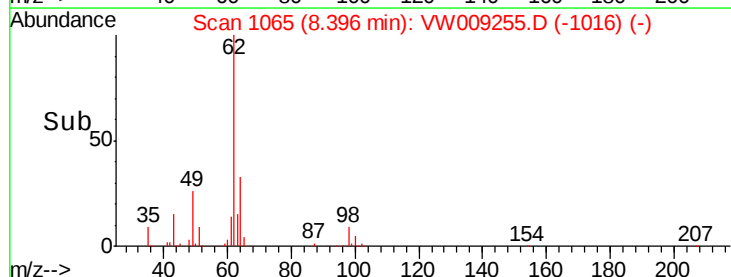
Ion Ratio Lower Upper

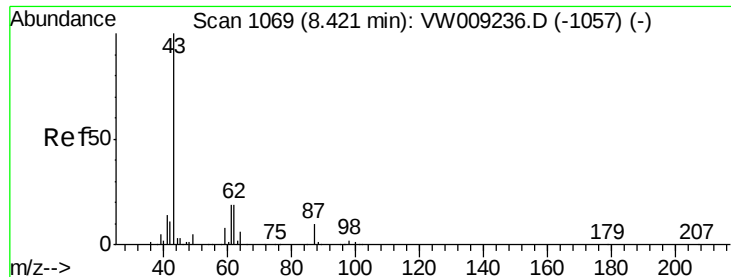
62 100

98 8.8 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.470 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

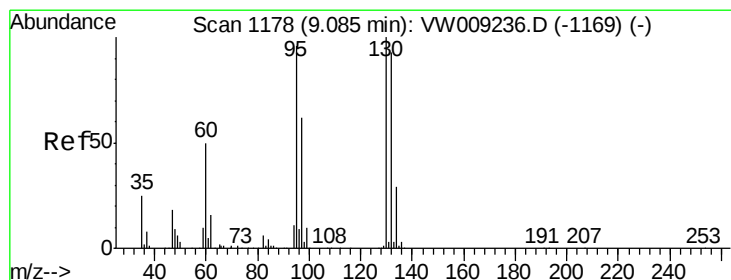
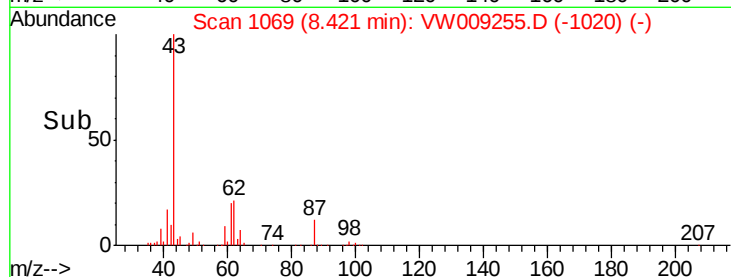
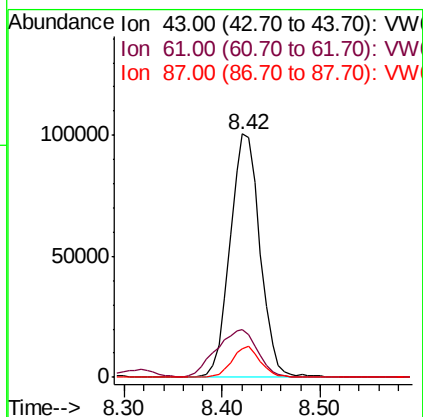
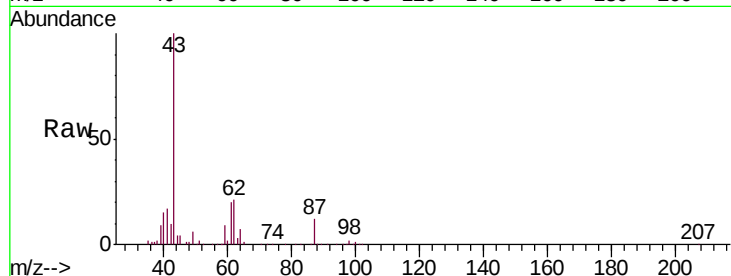
Tgt Ion: 43 Resp: 212603

Ion Ratio Lower Upper

43 100

61 27.5 22.2 33.2

87 12.1 9.6 14.4



#44

Trichloroethene

Concen: 46.616 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009255.D

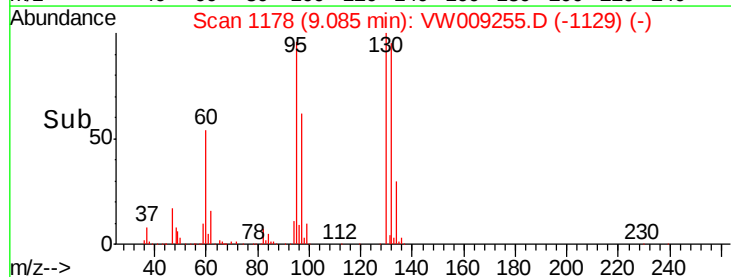
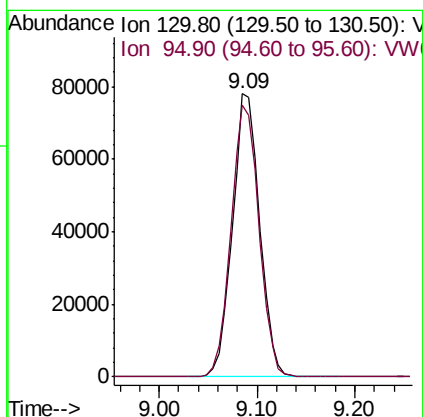
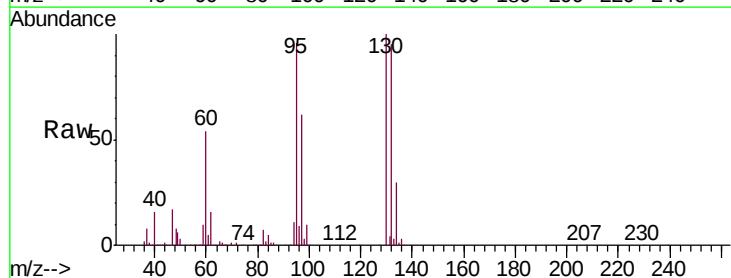
Acq: 19 Mar 2019 23:16

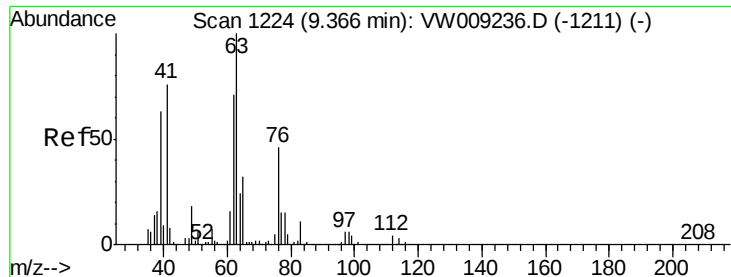
Tgt Ion: 130 Resp: 150694

Ion Ratio Lower Upper

130 100

95 95.9 0.0 192.6

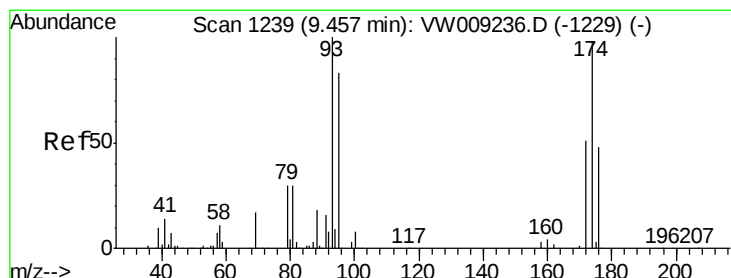
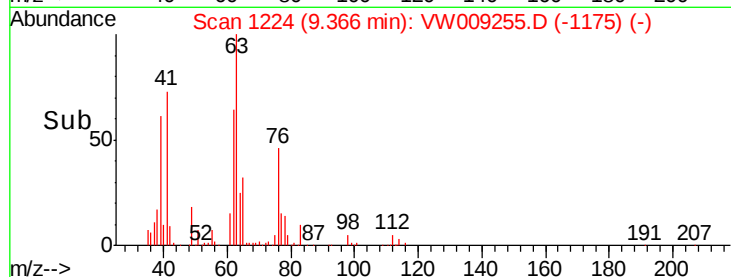
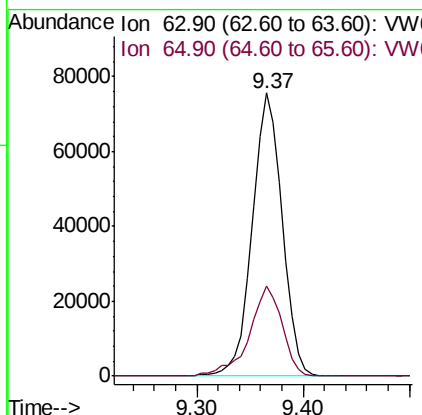
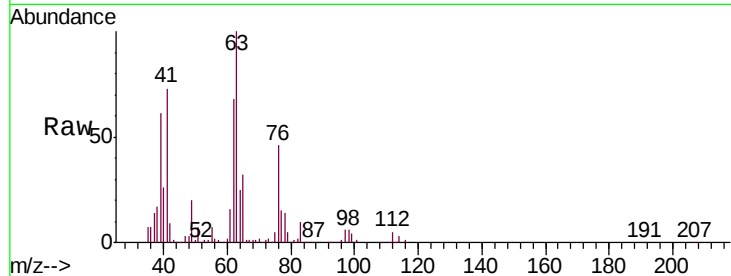




#45
 1,2-Dichloropropane
 Concen: 49.842 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

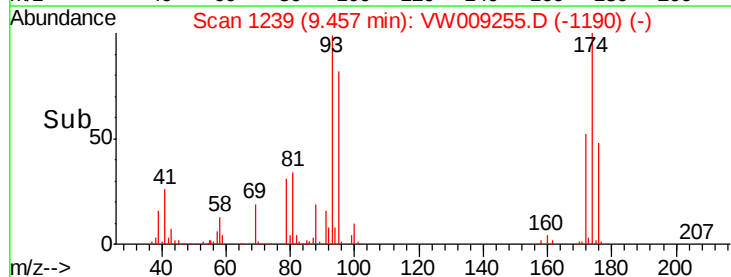
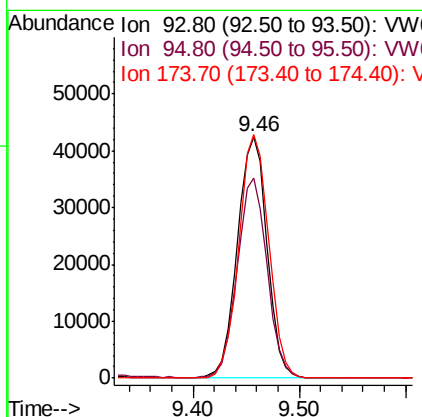
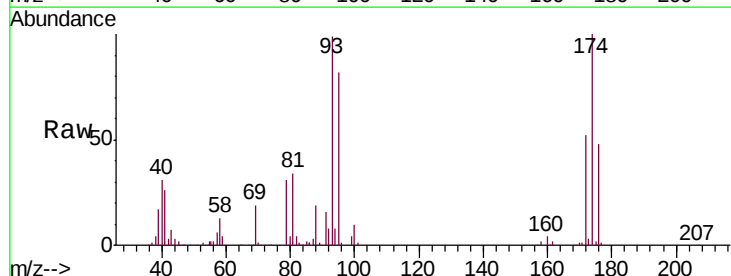
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

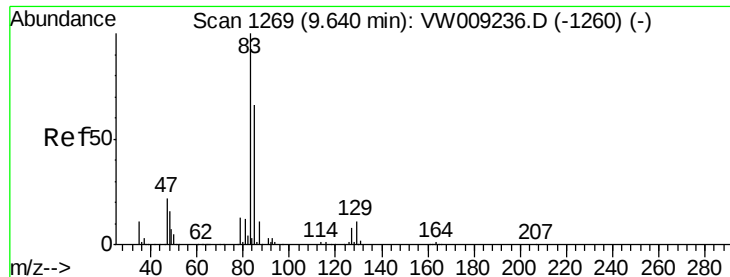
Tgt Ion: 63 Resp: 149515
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.8 38.8



#46
 Dibromomethane
 Concen: 50.458 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 93 Resp: 83234
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.9 100.3
 174 101.7 80.8 121.2

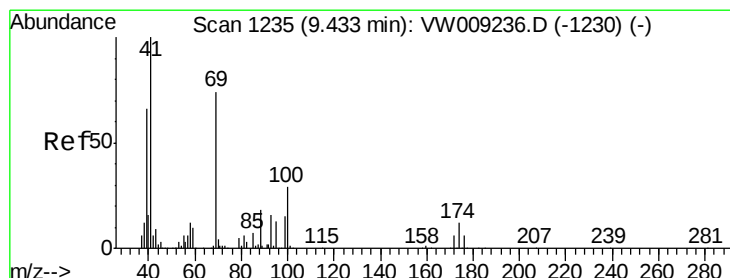
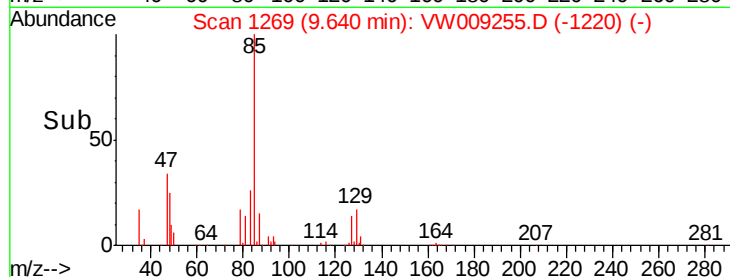
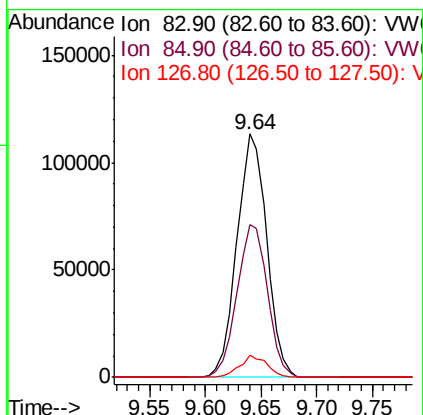
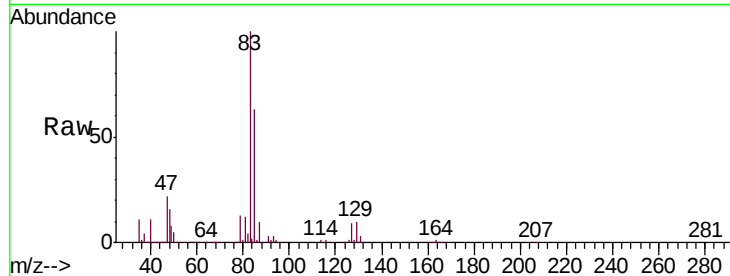




#47
 Bromodichloromethane
 Concen: 50.418 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

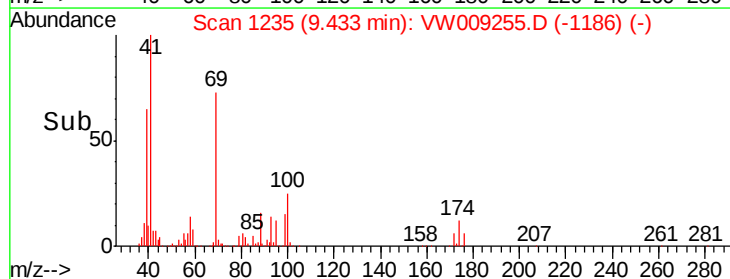
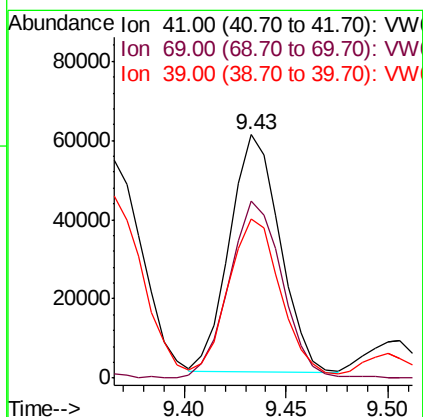
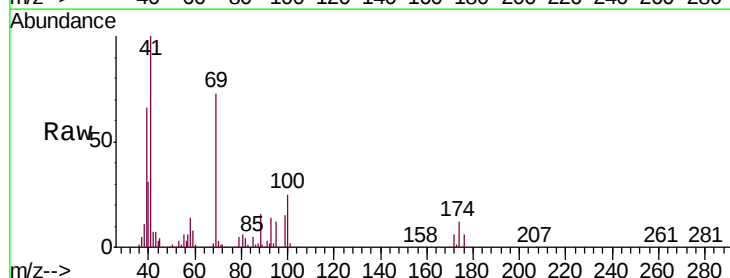
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

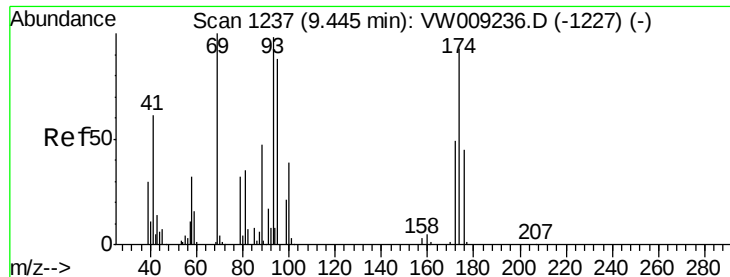
Tgt Ion: 83 Resp: 210165
 Ion Ratio Lower Upper
 83 100
 85 62.9 52.6 79.0
 127 9.1 6.5 9.7



#48
 Methyl methacrylate
 Concen: 55.689 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 41 Resp: 102516
 Ion Ratio Lower Upper
 41 100
 69 78.1 63.0 94.6
 39 70.5 57.2 85.8





#49

1,4-Dioxane

Concen: 1118.350 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

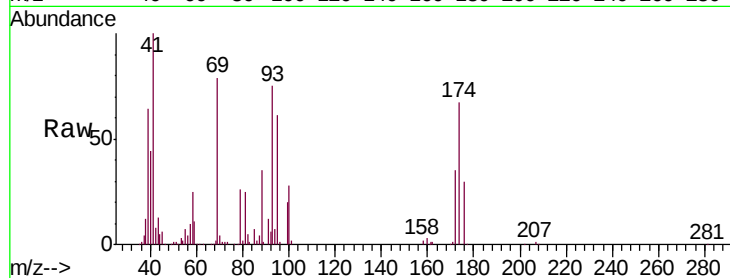
Tgt Ion: 88 Resp: 28614

Ion Ratio Lower Upper

88 100

43 37.8 29.7 44.5

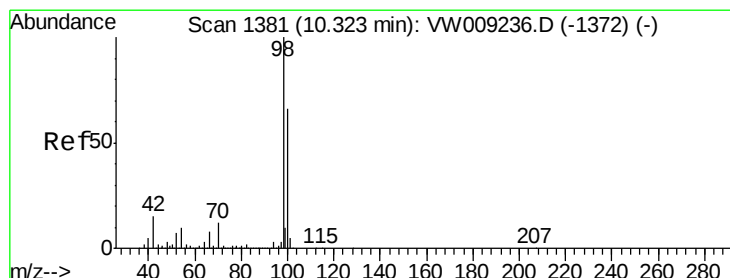
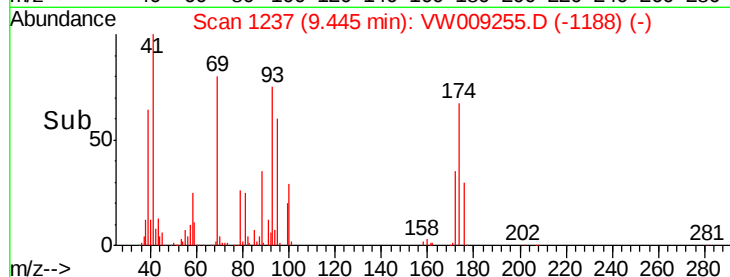
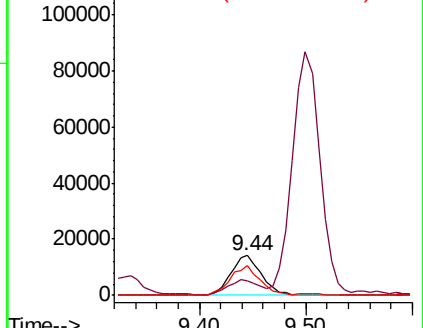
58 72.9 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.069 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009255.D

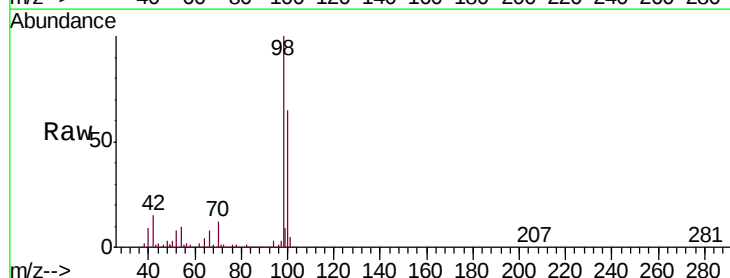
Acq: 19 Mar 2019 23:16

Tgt Ion: 98 Resp: 504736

Ion Ratio Lower Upper

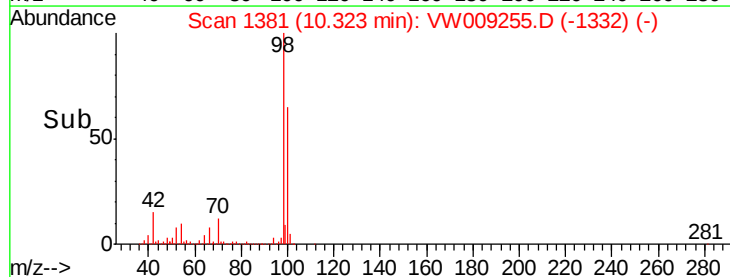
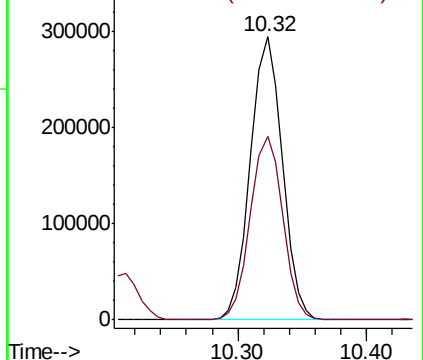
98 100

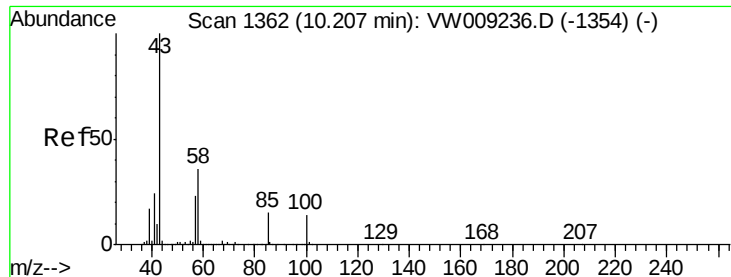
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 273.990 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

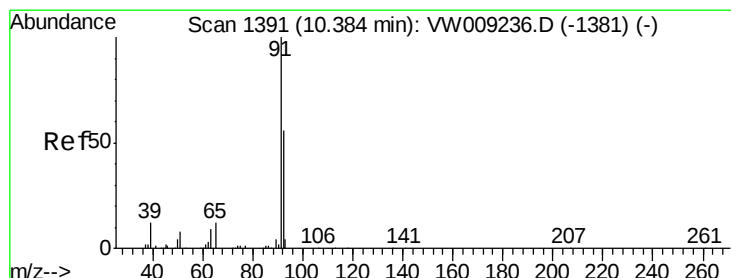
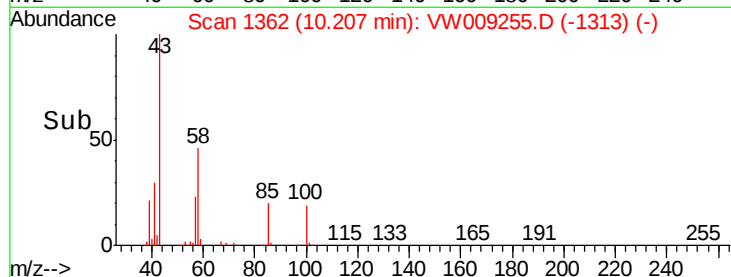
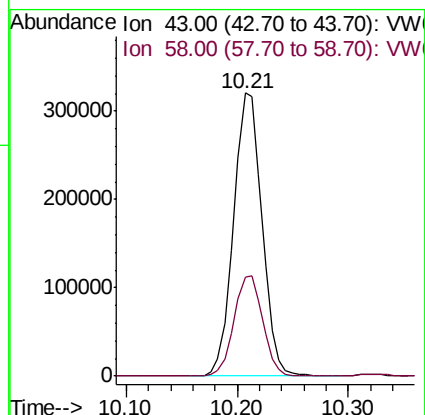
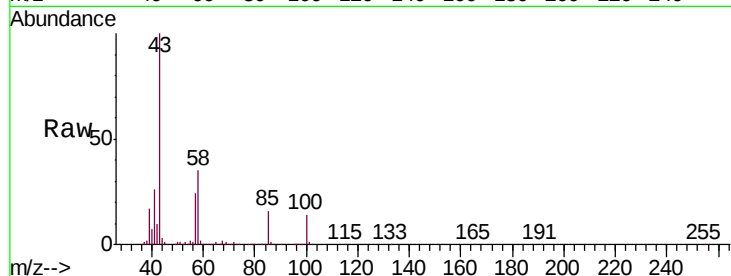
VSTDCCC050

Tgt Ion: 43 Resp: 567759

Ion Ratio Lower Upper

43 100

58 35.8 28.6 42.8



#52

Toluene

Concen: 49.879 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009255.D

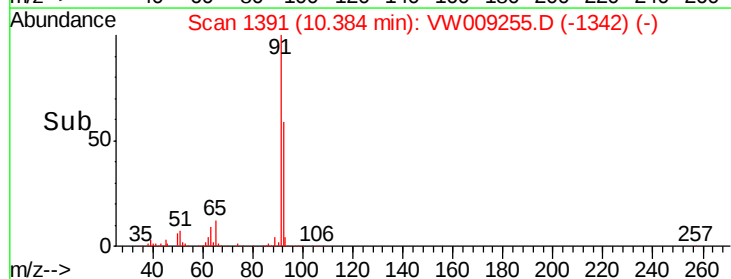
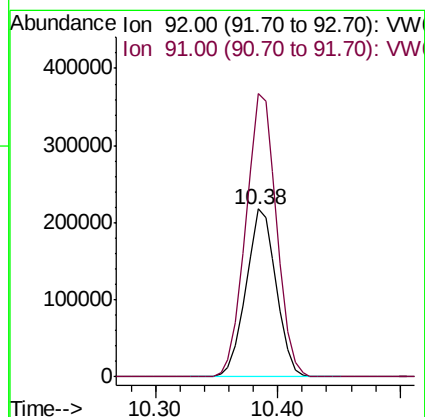
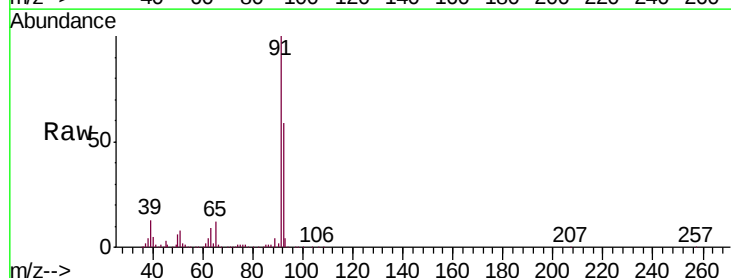
Acq: 19 Mar 2019 23:16

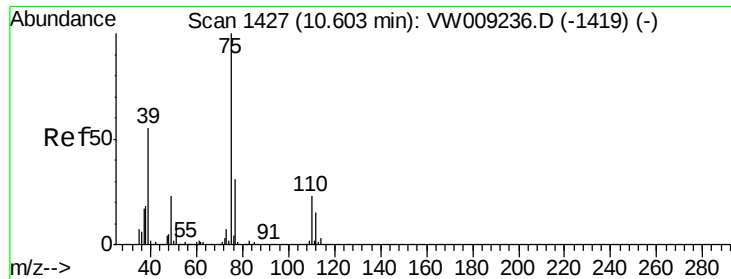
Tgt Ion: 92 Resp: 372951

Ion Ratio Lower Upper

92 100

91 171.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.651 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

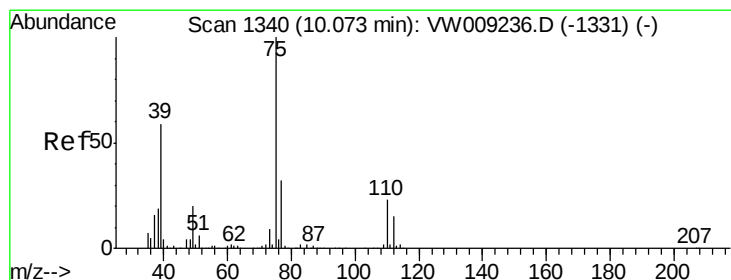
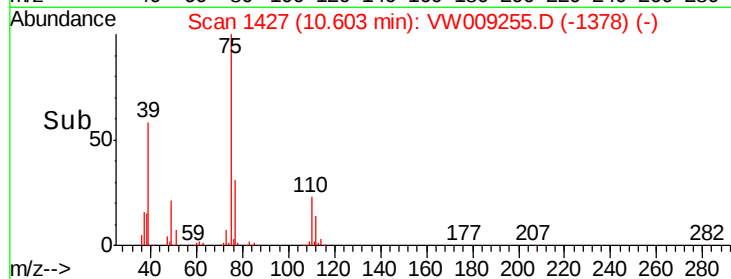
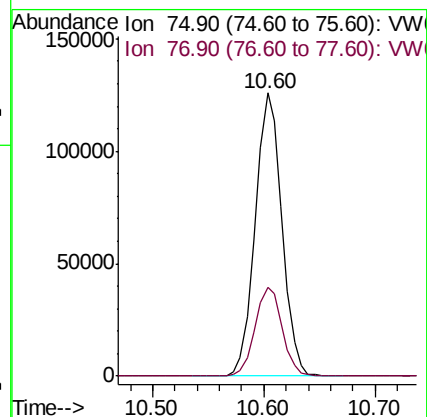
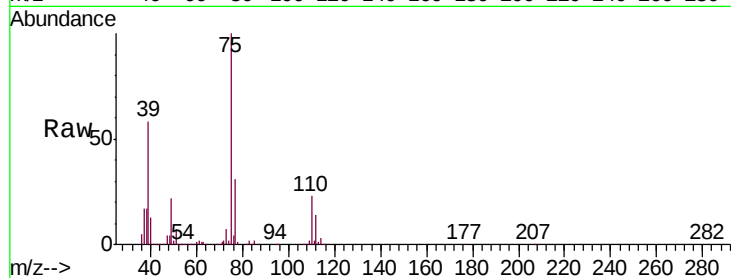
VSTDCCC050

Tgt Ion: 75 Resp: 209957

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 50.830 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

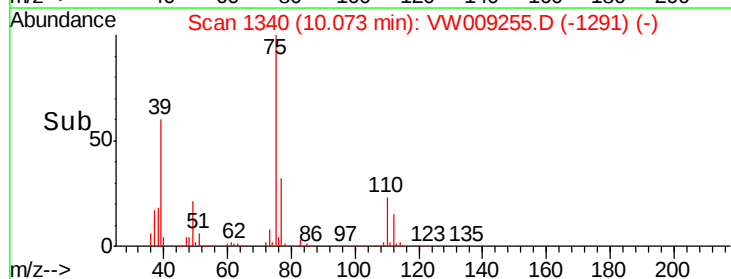
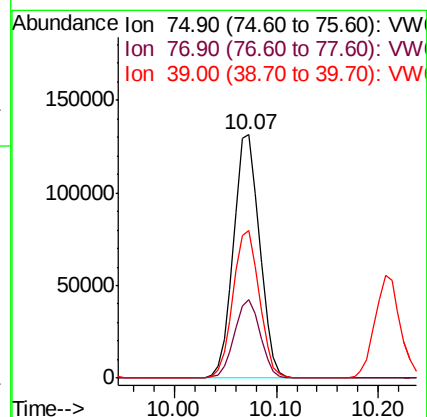
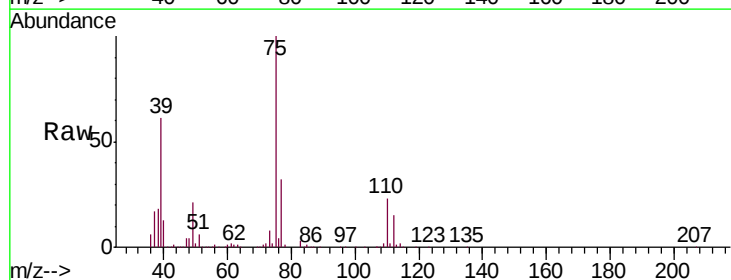
Tgt Ion: 75 Resp: 232449

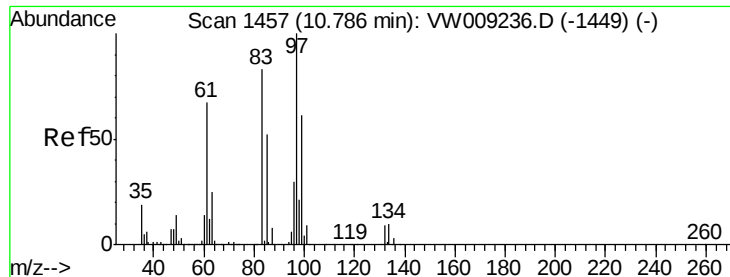
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

39 60.4 46.8 70.2

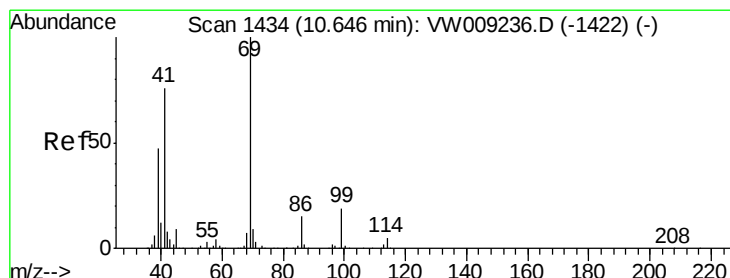
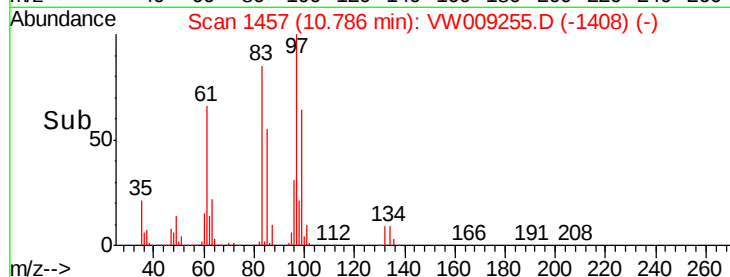
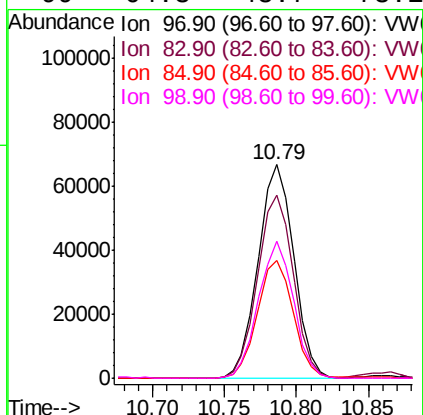
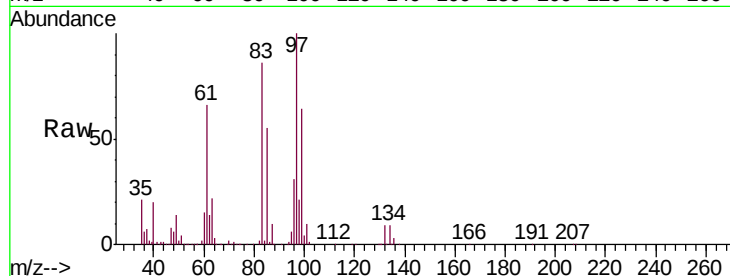




#55
 1,1,2-Trichloroethane
 Concen: 51.476 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

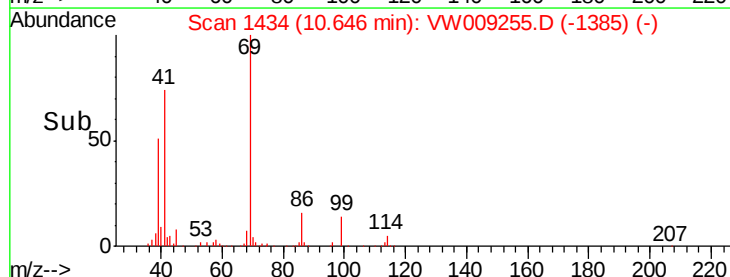
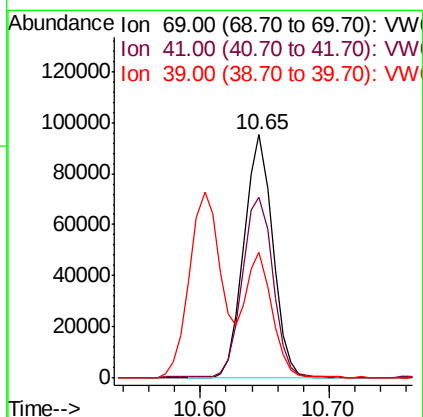
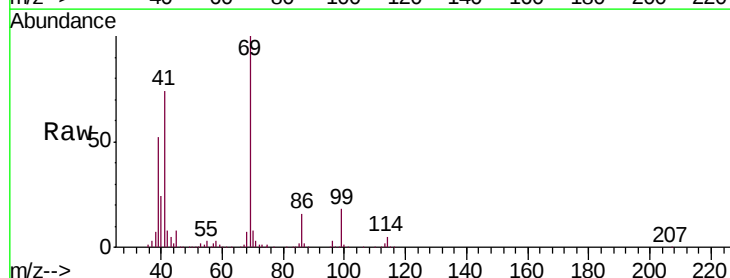
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

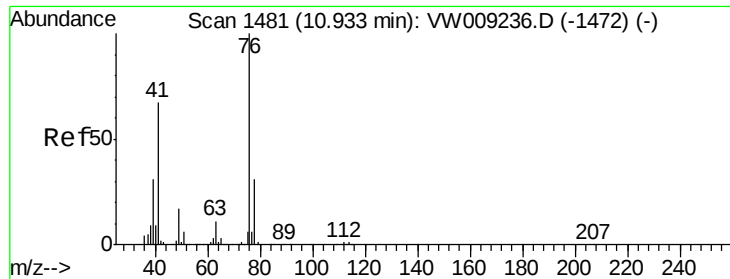
Tgt Ion:	97	Resp:	114979
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.3	99.5
85	55.4	41.4	62.2
99	64.3	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 55.363 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion:	69	Resp:	147250
Ion	Ratio	Lower	Upper
69	100		
41	78.8	59.3	88.9
39	47.3	36.2	54.2

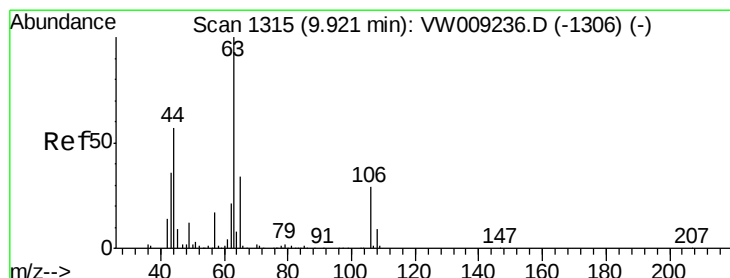
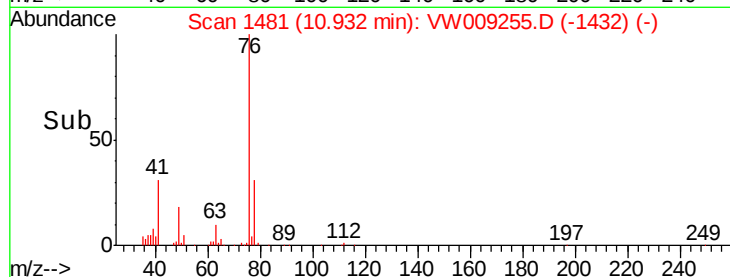
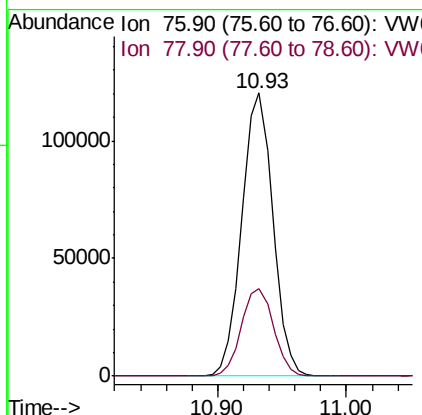
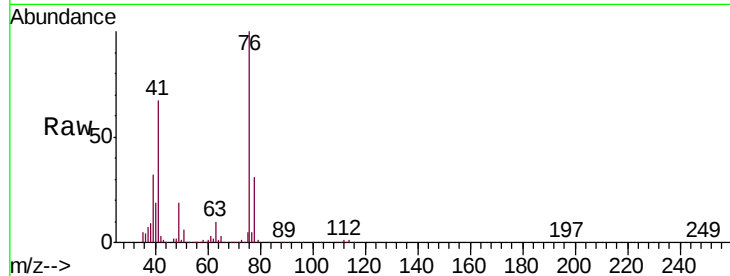




#57
 1,3-Dichloropropane
 Concen: 52.090 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

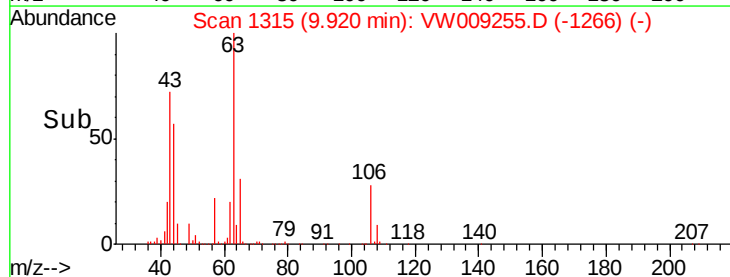
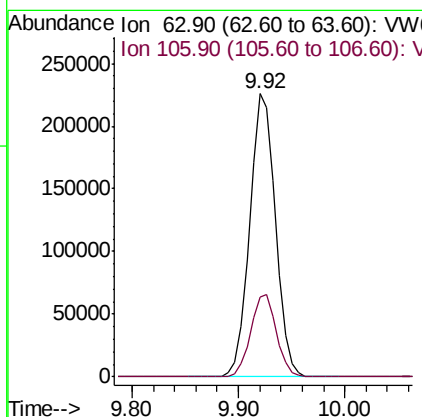
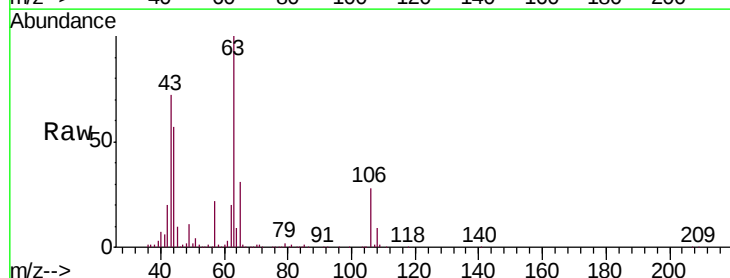
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

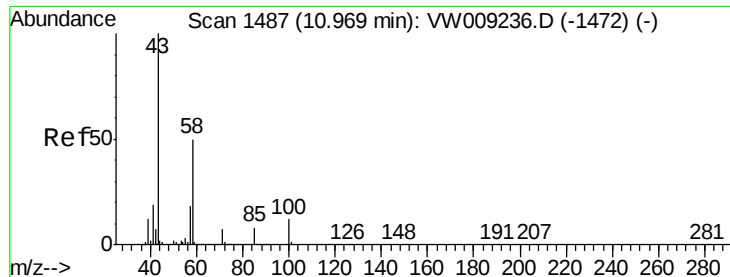
Tgt Ion: 76 Resp: 200679
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 492.442 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 63 Resp: 383233
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3

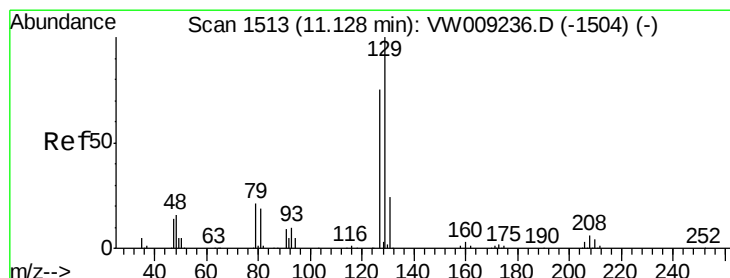
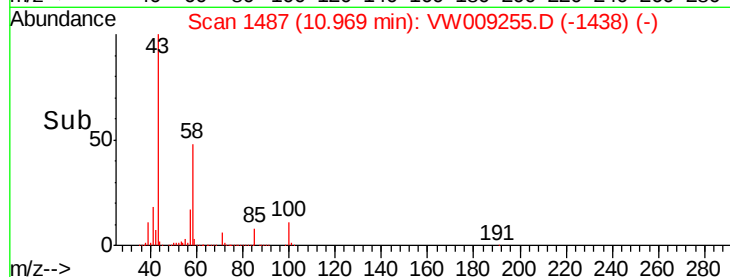
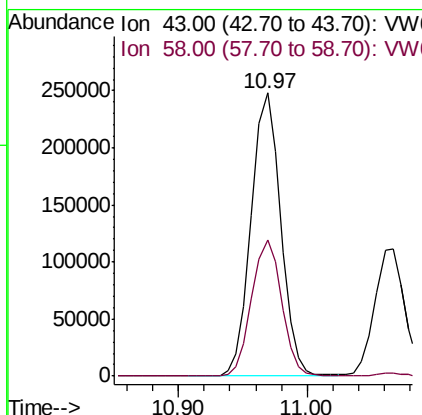
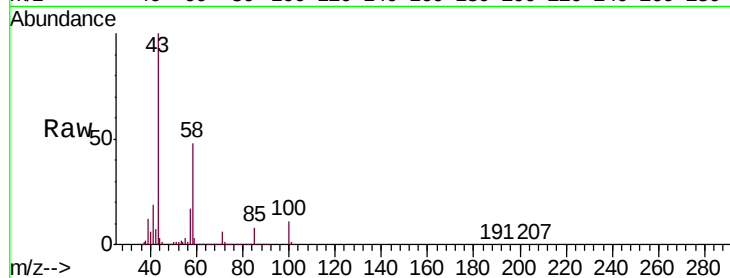




#59
2-Hexanone
Concen: 279.256 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

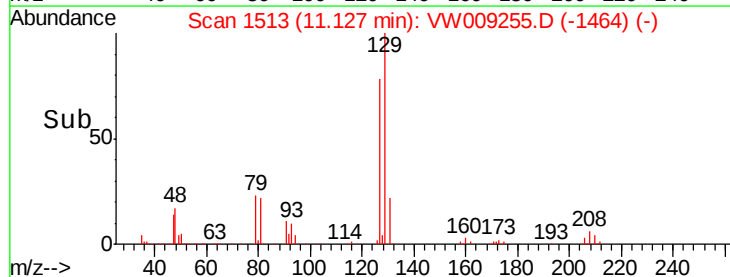
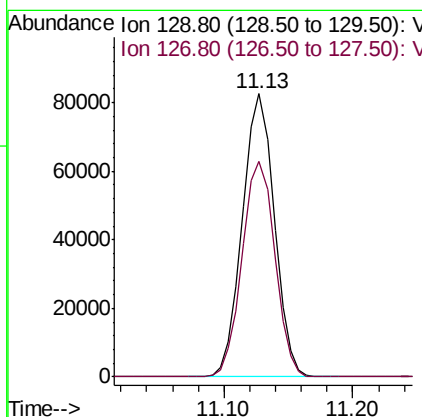
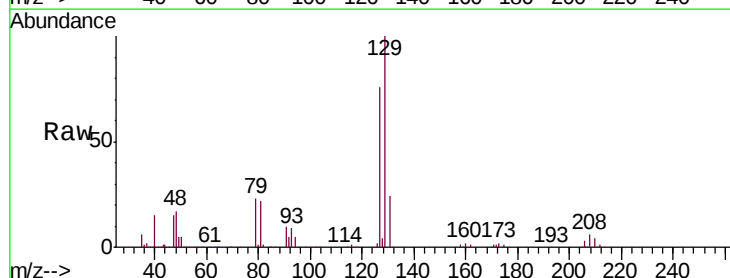
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

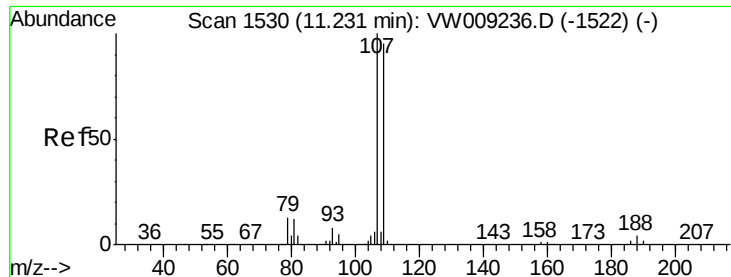
Tgt Ion: 43 Resp: 392859
Ion Ratio Lower Upper
43 100
58 49.1 24.2 72.6



#60
Dibromochloromethane
Concen: 51.451 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 129 Resp: 141987
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5

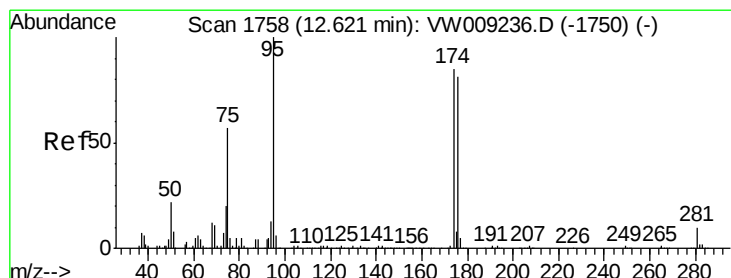
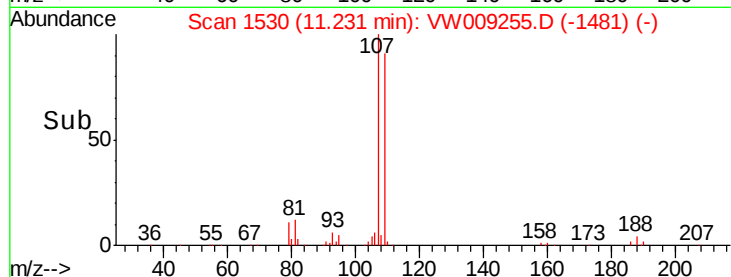
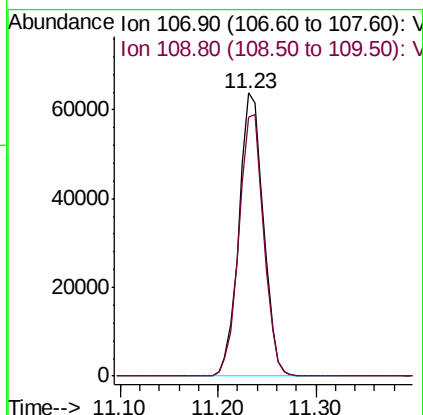
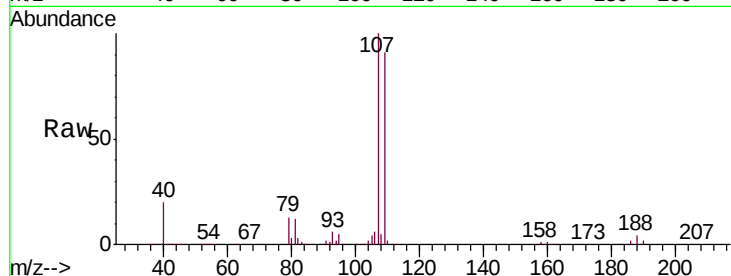




#61
 1,2-Dibromoethane
 Concen: 52.147 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

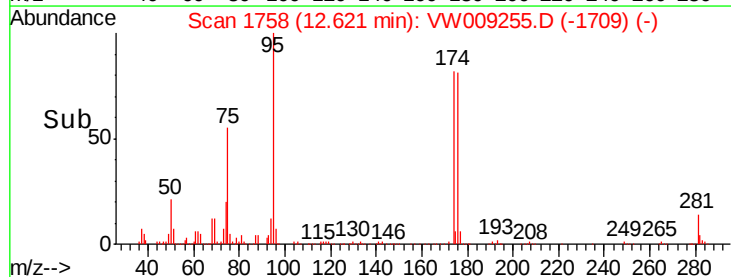
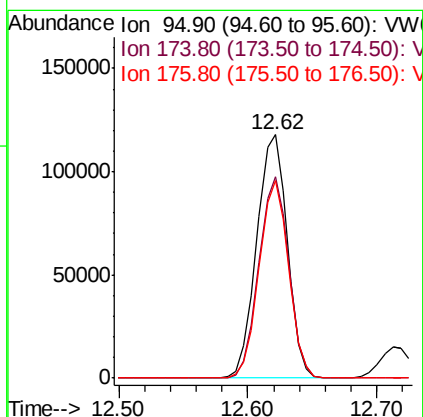
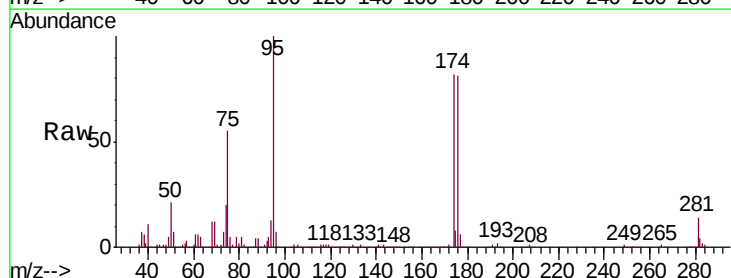
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

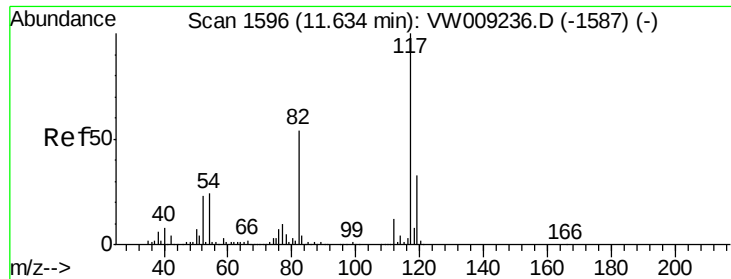
Tgt Ion: 107 Resp: 110938
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.163 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion: 95 Resp: 193072
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 168.4
 176 78.4 0.0 161.6

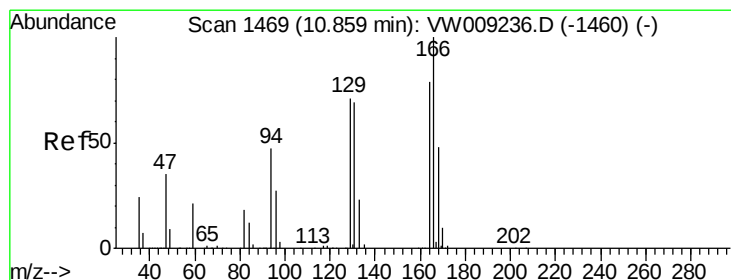
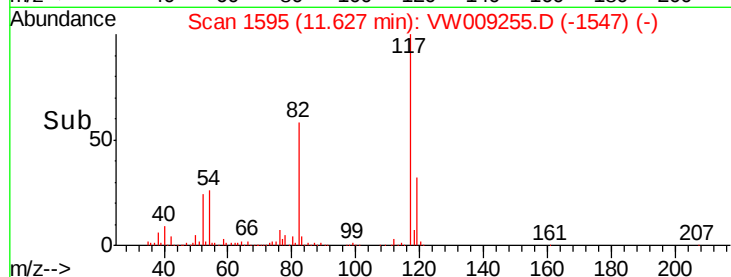
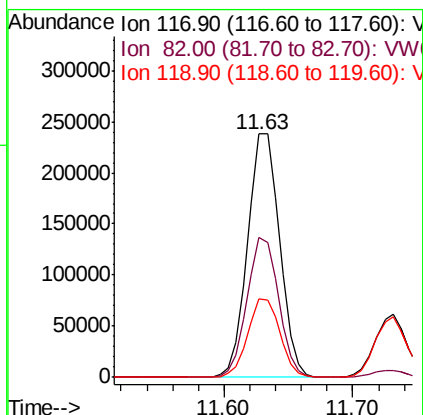
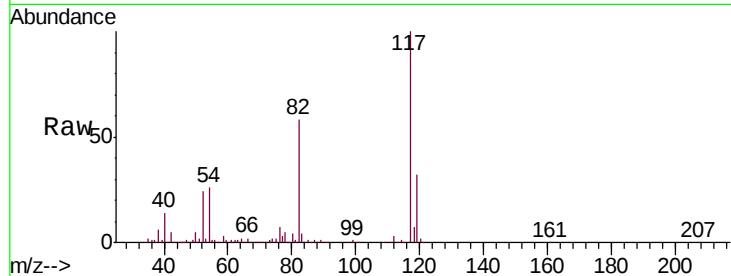




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

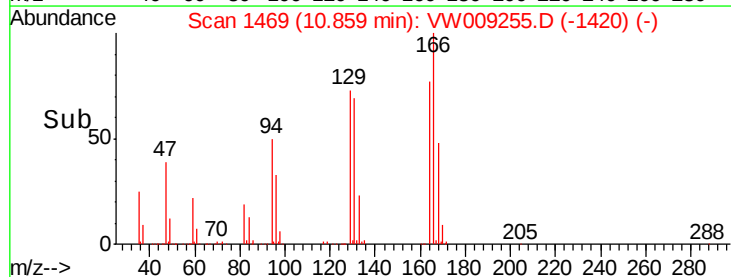
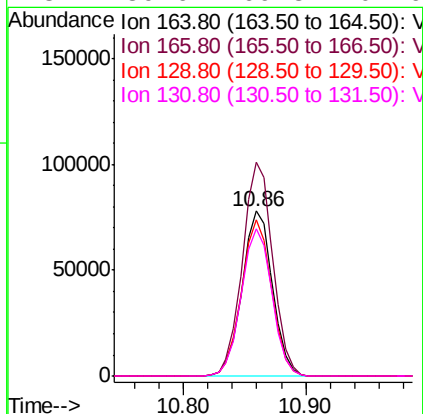
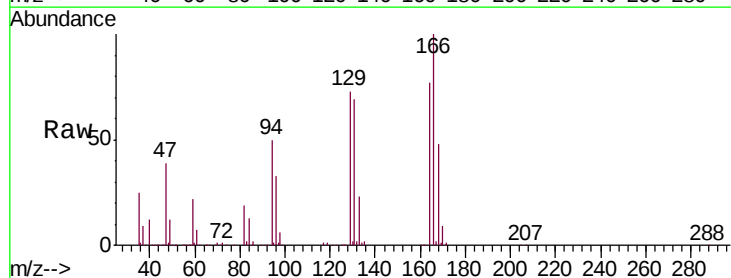
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

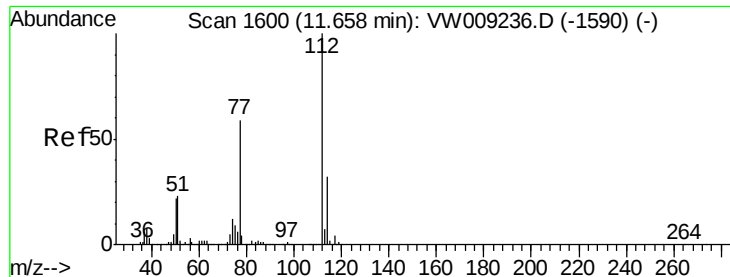
Tgt Ion:117 Resp: 408371
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 47.964 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:164 Resp: 134142
Ion Ratio Lower Upper
164 100
166 129.7 100.9 151.3
129 95.1 72.0 108.0
131 89.6 69.8 104.6

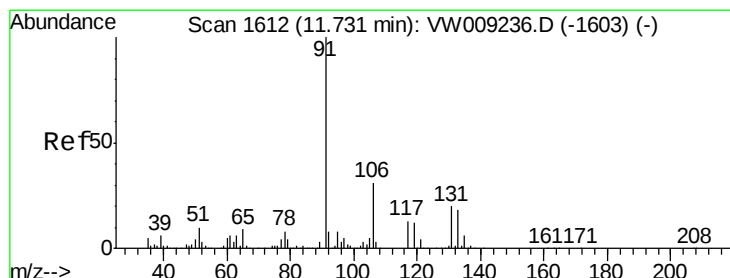
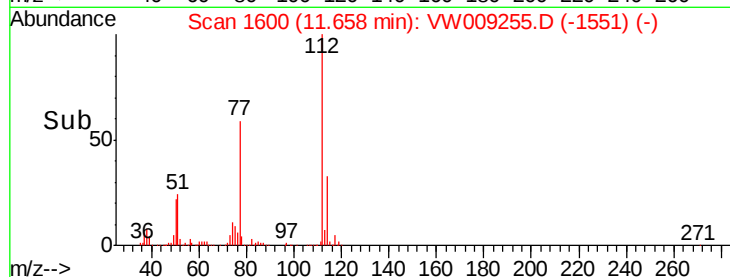
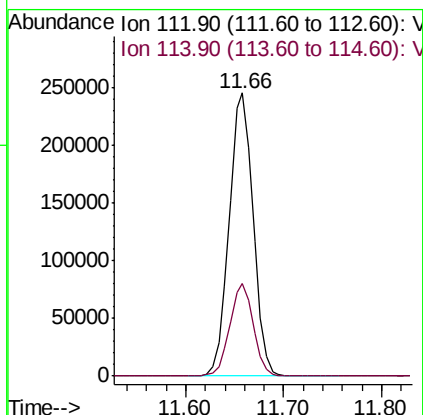
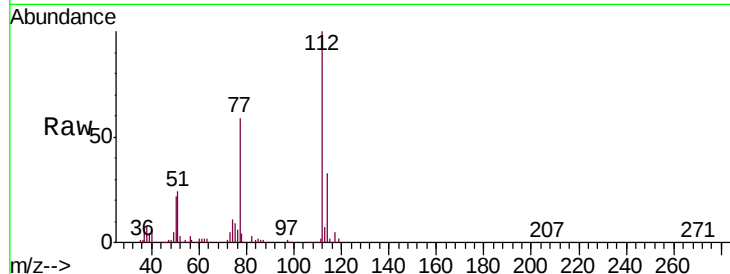




#65
Chlorobenzene
Concen: 49.132 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

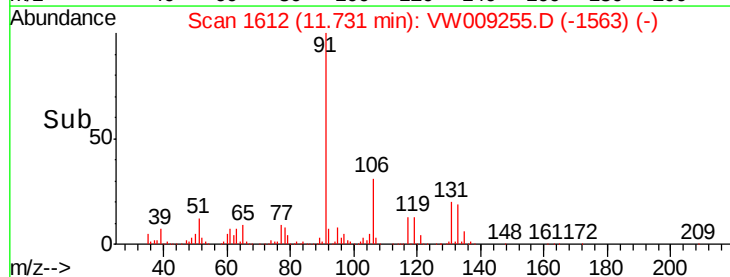
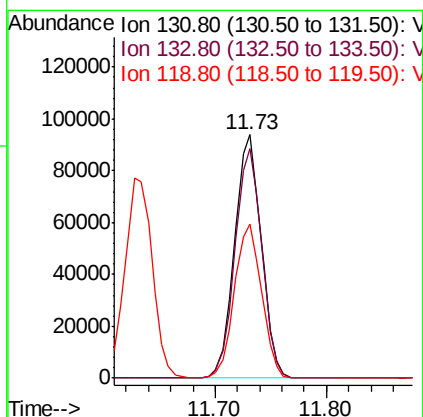
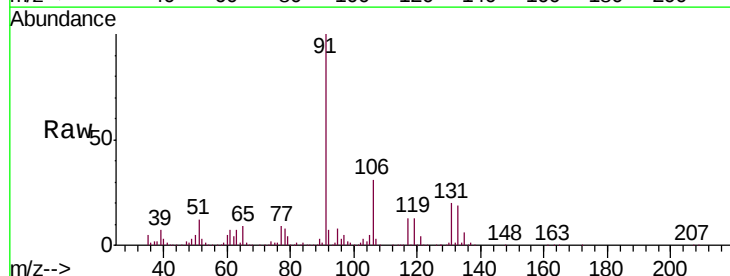
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

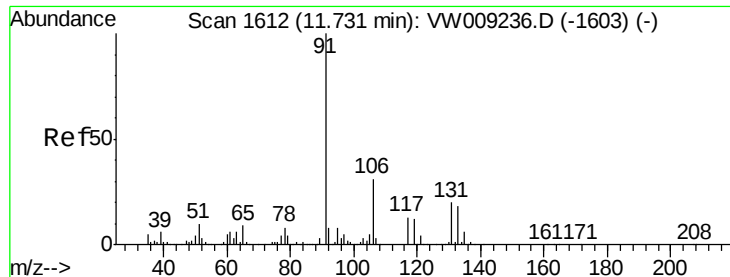
Tgt Ion:112 Resp: 414949
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.282 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:131 Resp: 155467
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 64.5 31.6 95.0

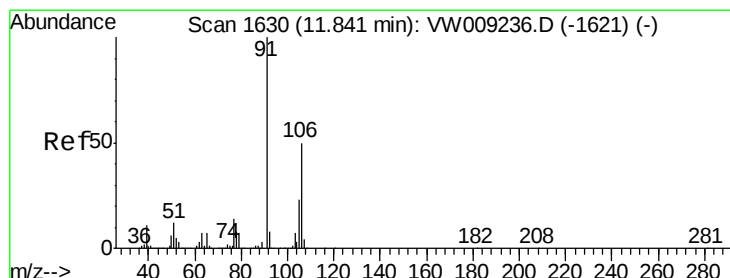
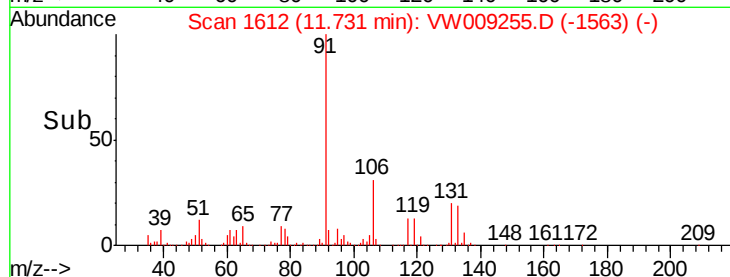
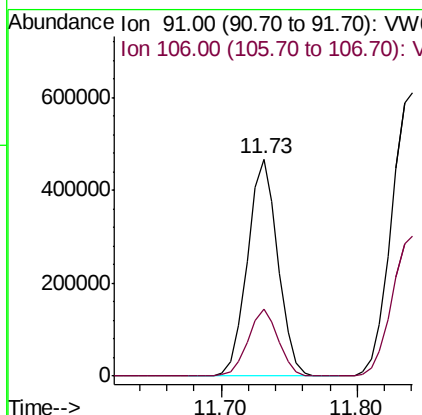
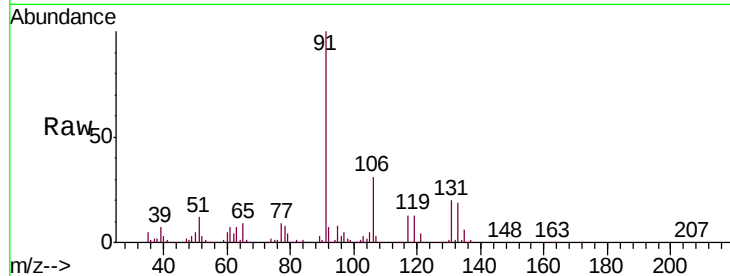




#67
Ethyl Benzene
Concen: 50.067 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

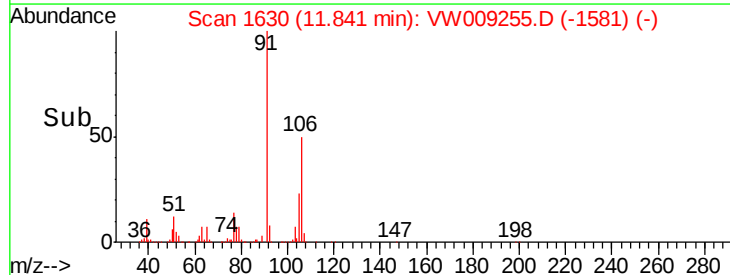
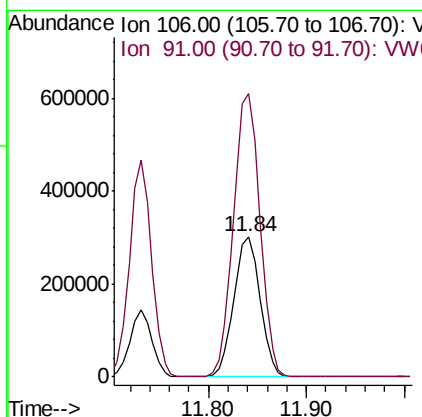
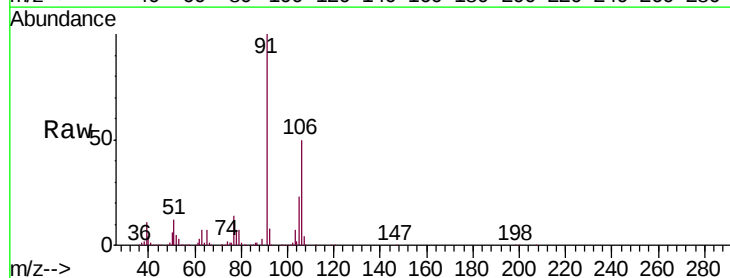
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

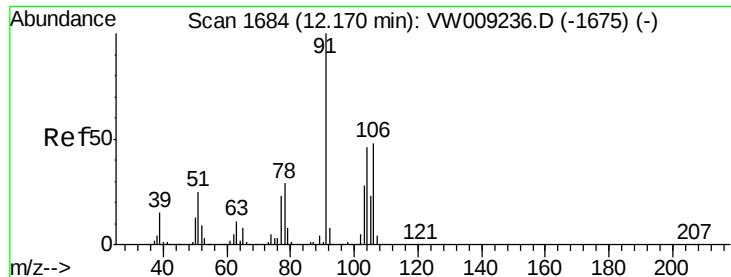
Tgt Ion: 91 Resp: 732387
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 99.363 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 106 Resp: 563383
Ion Ratio Lower Upper
106 100
91 204.3 163.1 244.7

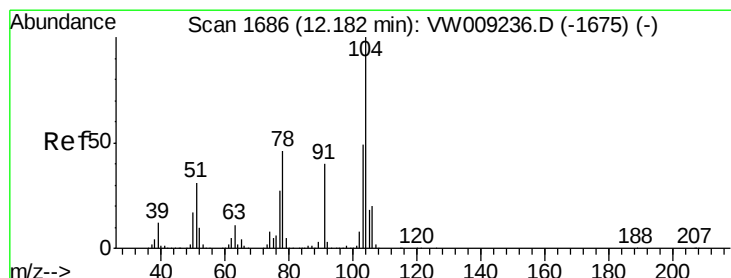
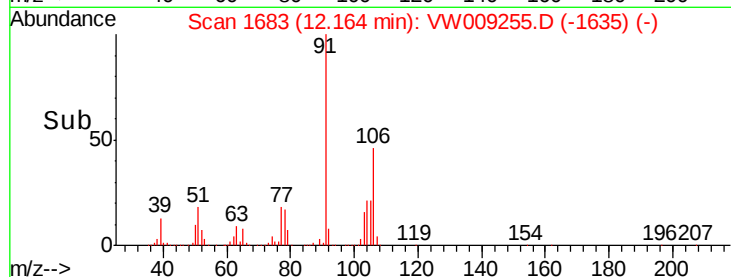
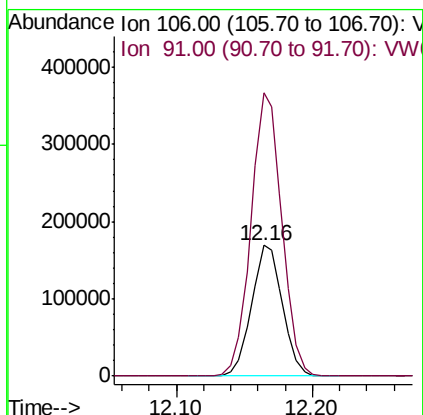
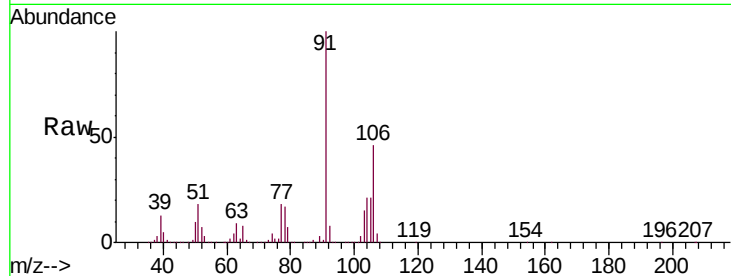




#69
o-Xylene
Concen: 51.190 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

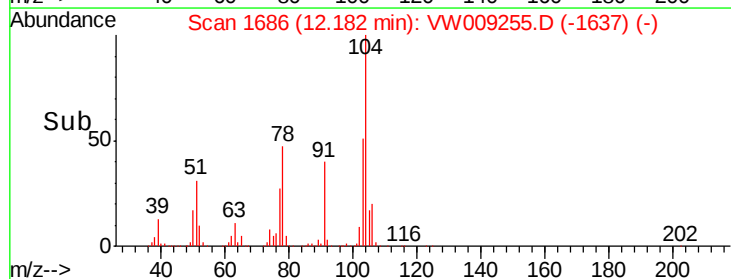
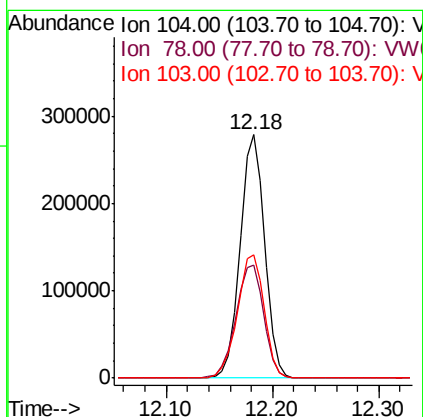
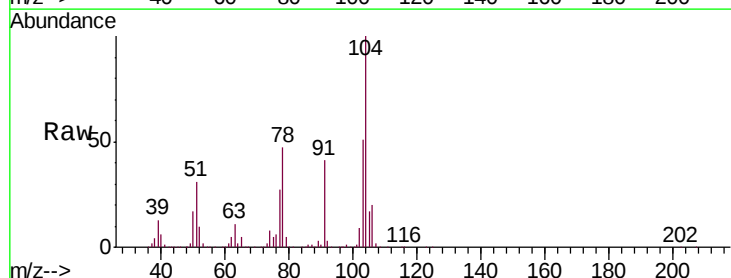
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

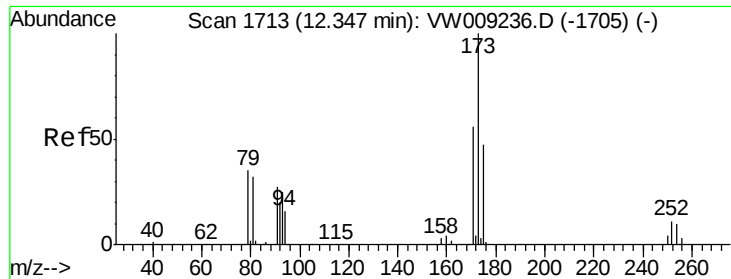
Tgt Ion:106 Resp: 269524
Ion Ratio Lower Upper
106 100
91 216.7 108.6 325.8



#70
Styrene
Concen: 51.993 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:104 Resp: 451363
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 55.7 44.6 66.8

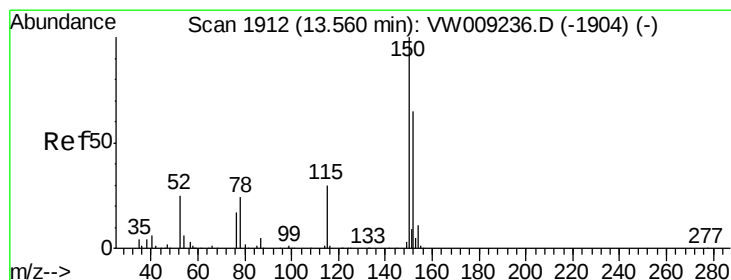
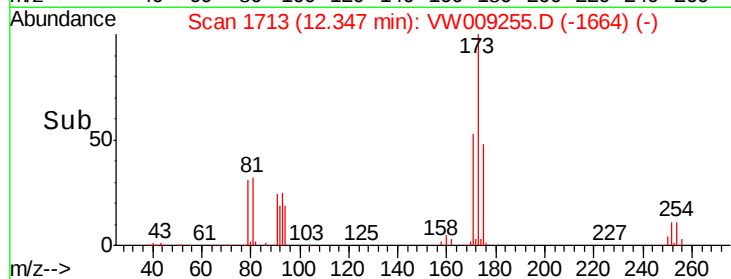
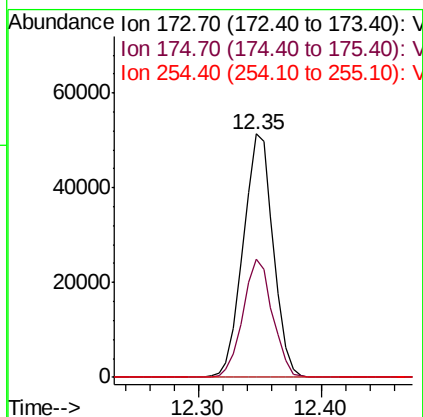
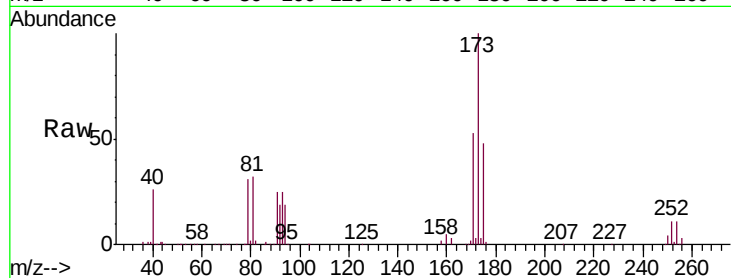




#71
Bromoform
Concen: 50.852 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

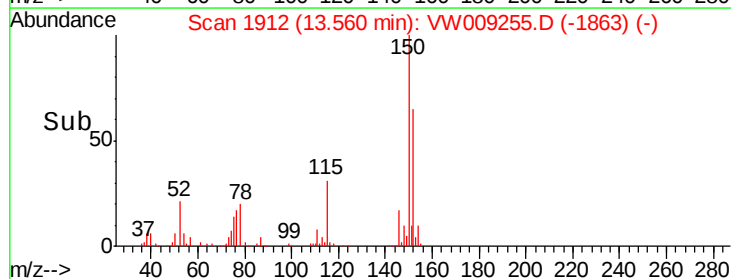
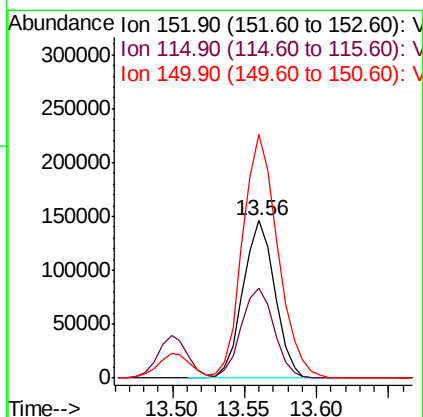
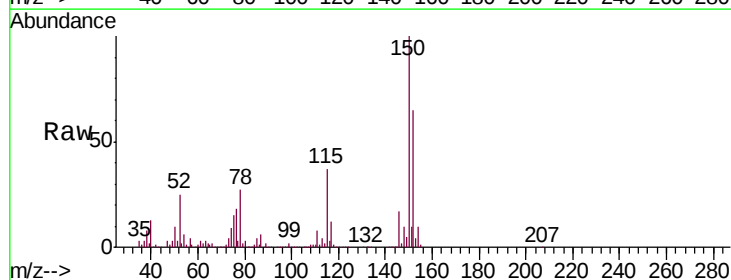
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

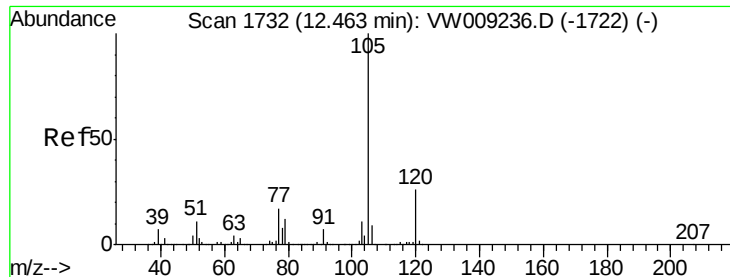
Tgt Ion:173 Resp: 87623
Ion Ratio Lower Upper
173 100
175 47.8 24.1 72.4
254 0.2 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:152 Resp: 223826
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 171.1 0.0 349.2





#73

Isopropylbenzene

Concen: 50.266 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

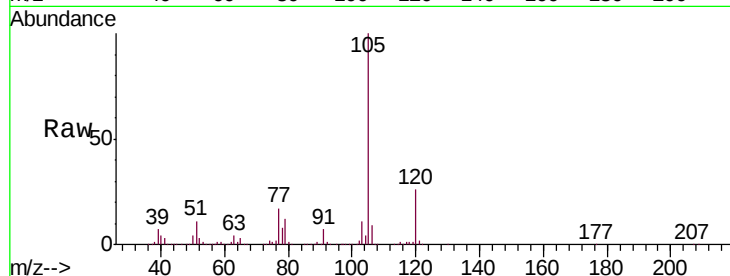
VSTDCCC050

Tgt Ion: 105 Resp: 751991

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

300000

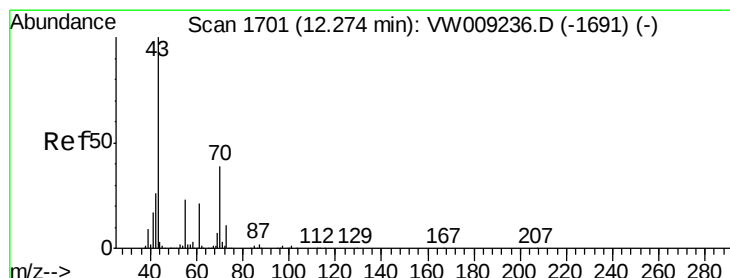
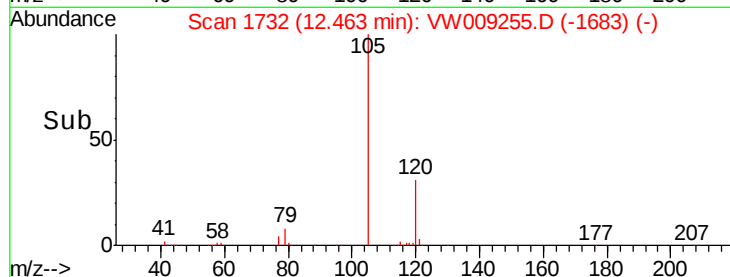
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 53.572 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion: 43 Resp: 209060

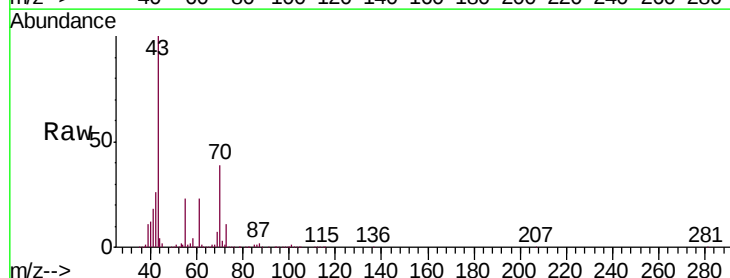
Ion Ratio Lower Upper

43 100

70 38.1 30.6 46.0

55 23.6 19.3 28.9

61 21.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

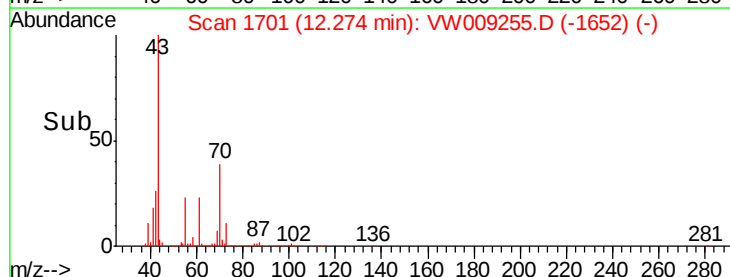
100000

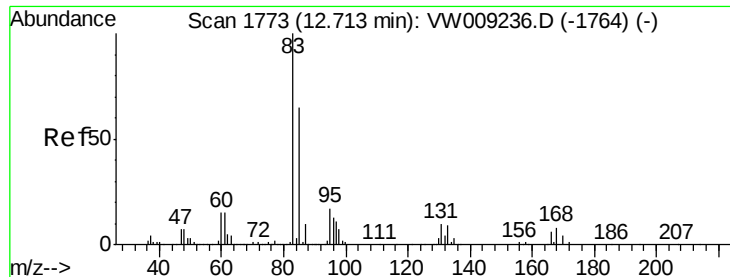
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 51.369 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

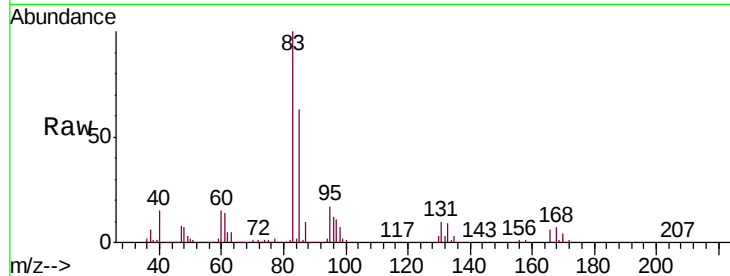
Tgt Ion: 83 Resp: 143754

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

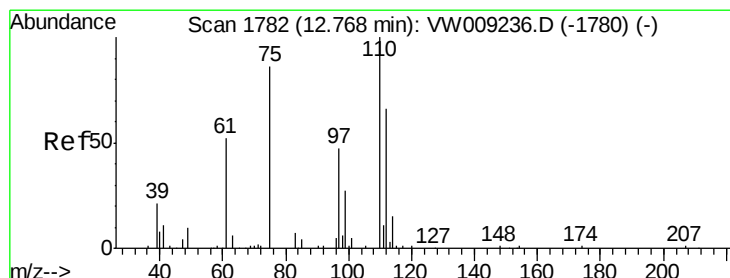
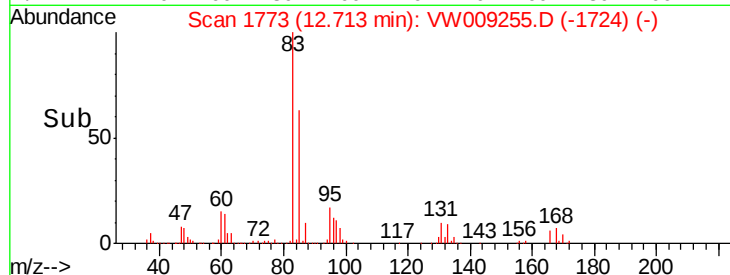
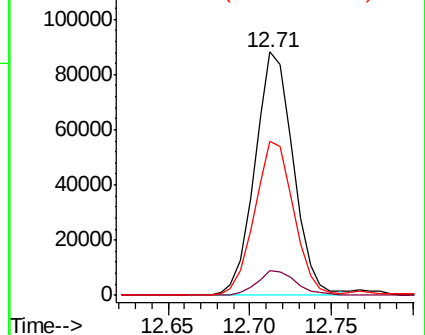
85 64.3 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.782 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009255.D

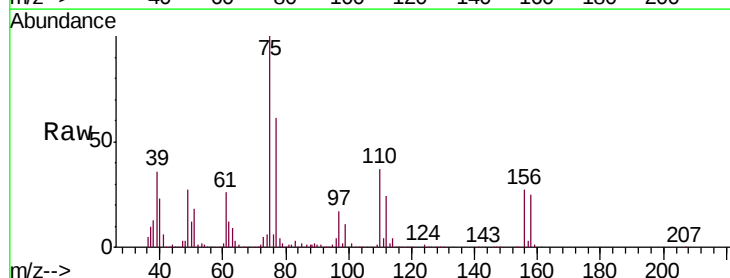
Acq: 19 Mar 2019 23:16

Tgt Ion: 75 Resp: 195153

Ion Ratio Lower Upper

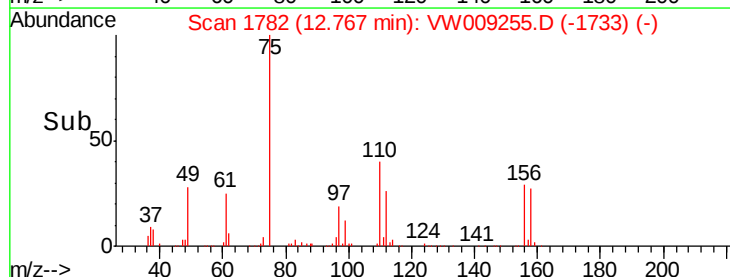
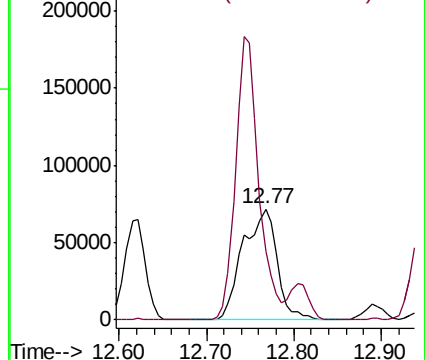
75 100

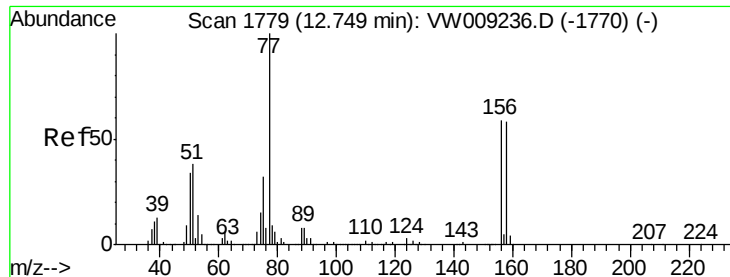
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.959 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

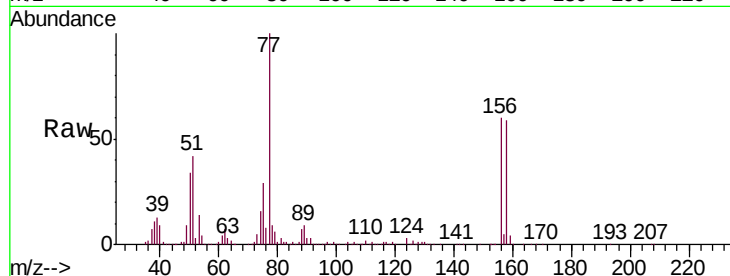
Tgt Ion: 156 Resp: 177035

Ion Ratio Lower Upper

156 100

77 191.6 96.0 288.0

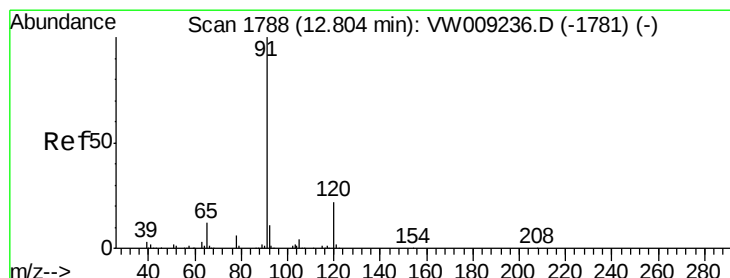
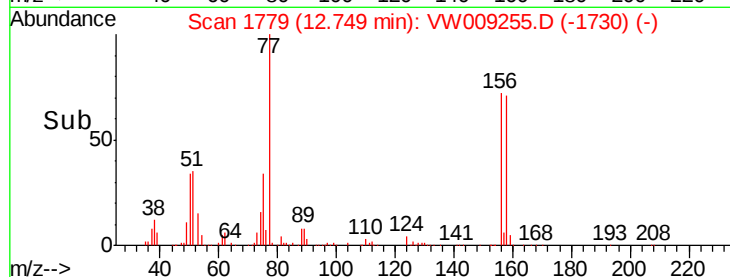
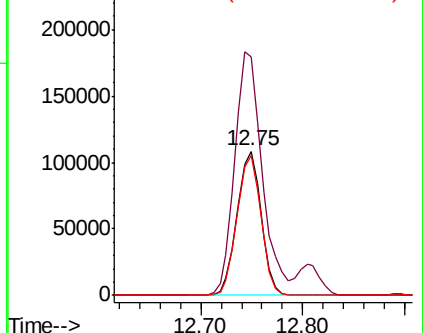
158 95.8 49.1 147.3



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: 49.456 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009255.D

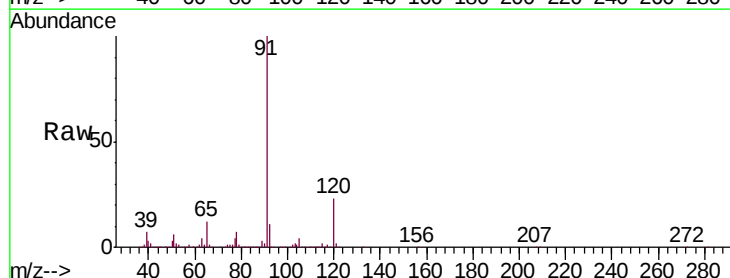
Acq: 19 Mar 2019 23:16

Tgt Ion: 91 Resp: 908687

Ion Ratio Lower Upper

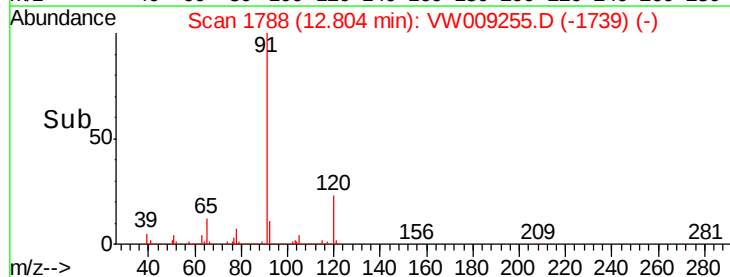
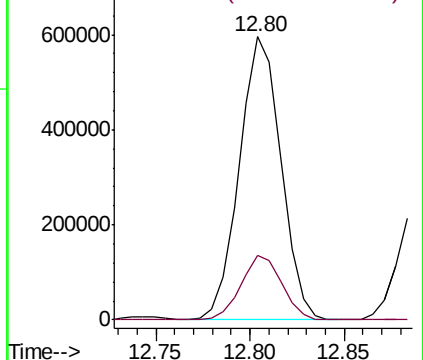
91 100

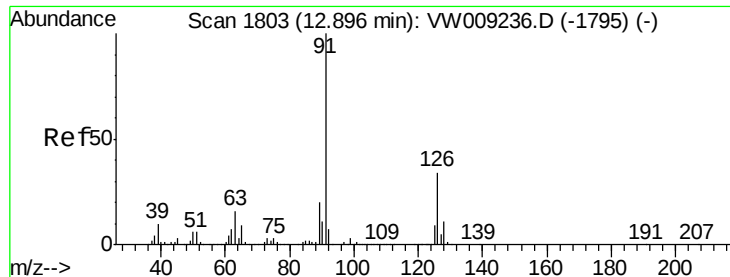
120 22.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.115 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

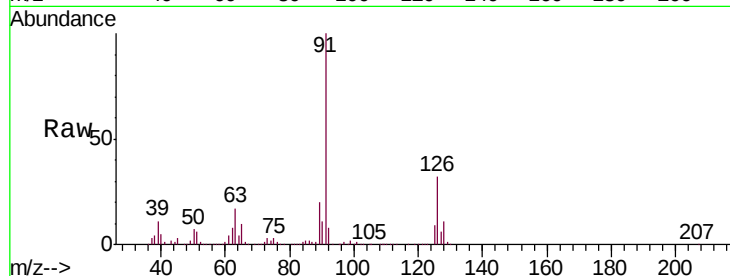
VSTDCCC050

Tgt Ion: 91 Resp: 523081

Ion Ratio Lower Upper

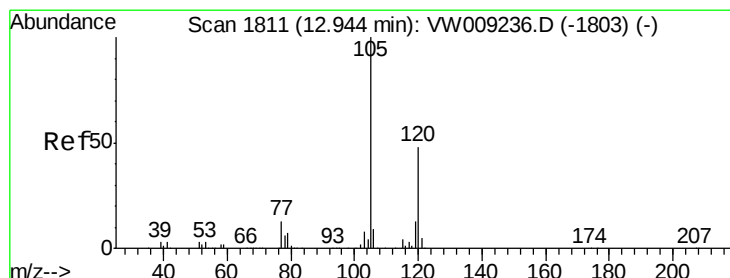
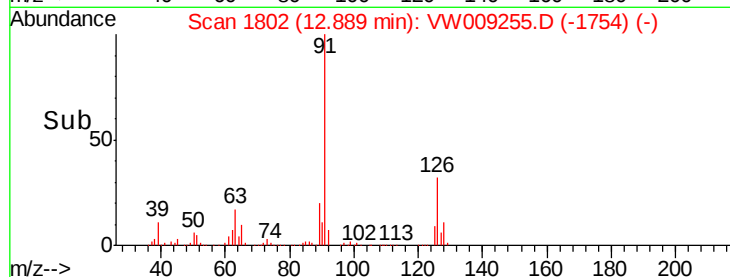
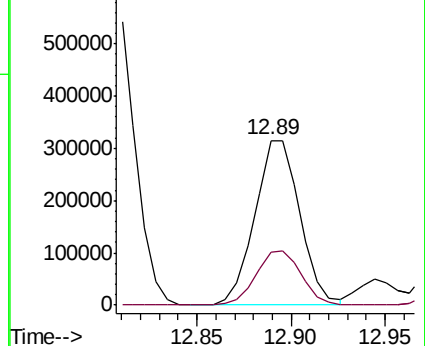
91 100

126 33.0 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: 50.447 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009255.D

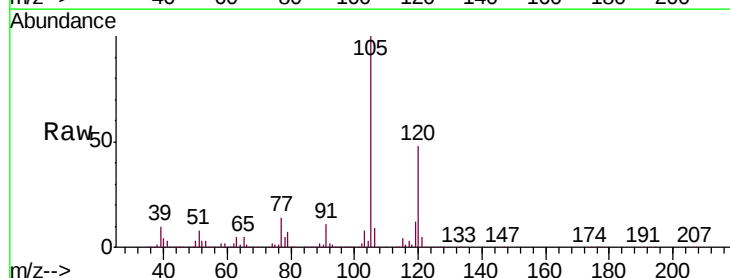
Acq: 19 Mar 2019 23:16

Tgt Ion: 105 Resp: 641806

Ion Ratio Lower Upper

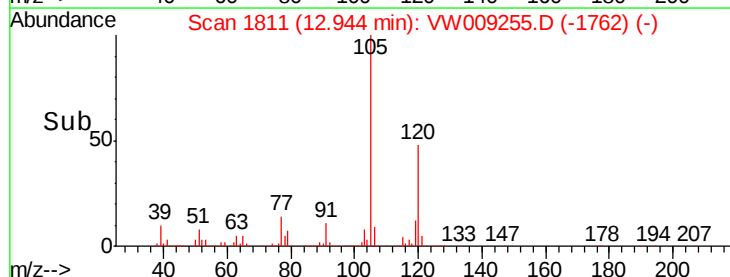
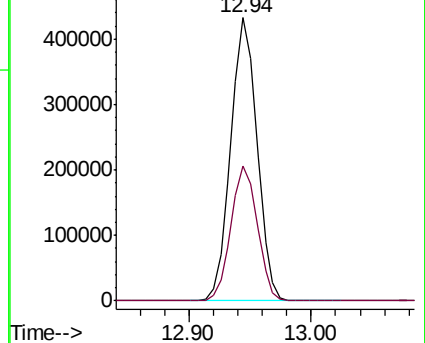
105 100

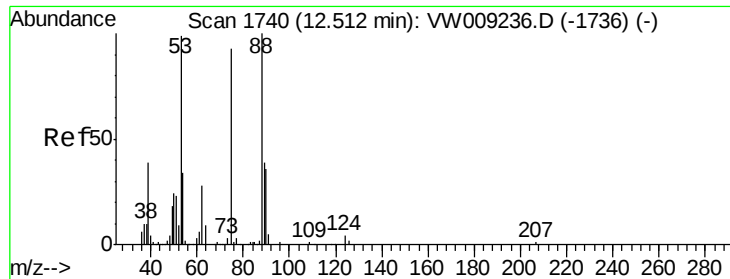
120 48.0 24.6 74.0



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: 50.831 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

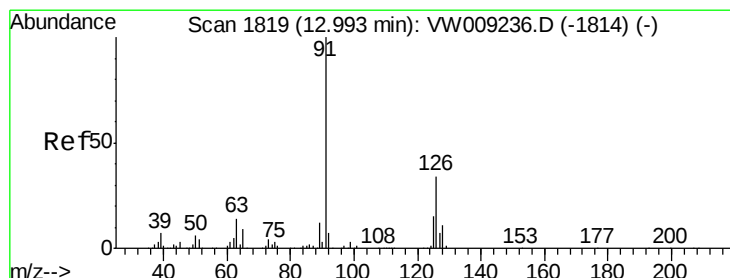
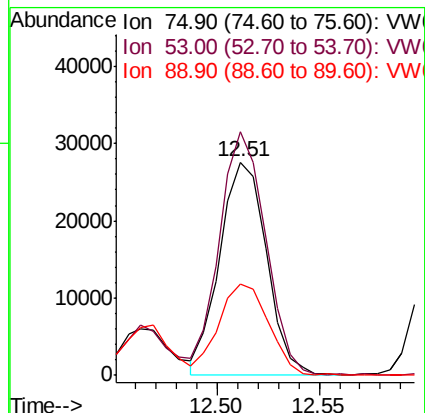
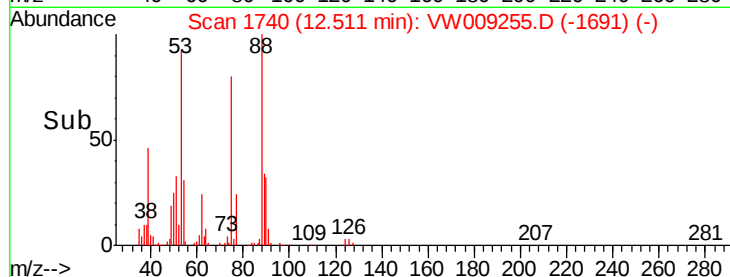
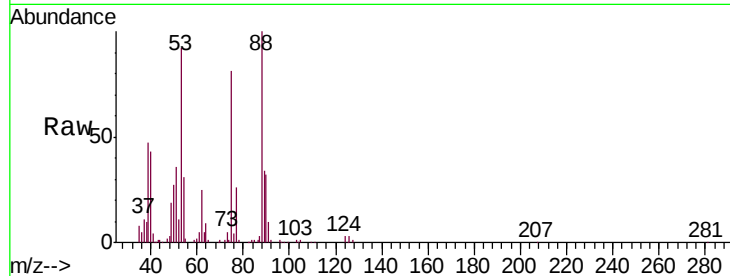
Tgt Ion: 75 Resp: 43573

Ion Ratio Lower Upper

75 100

53 113.2 86.7 130.1

89 46.4 36.4 54.6



#82

4-Chlorotoluene

Concen: 50.243 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009255.D

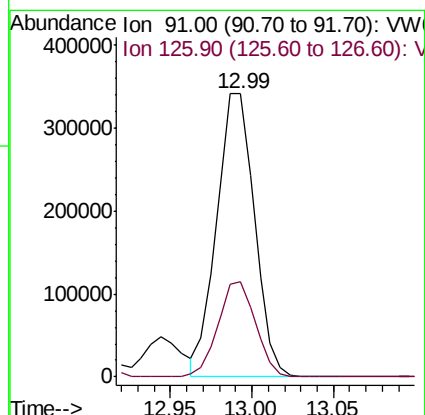
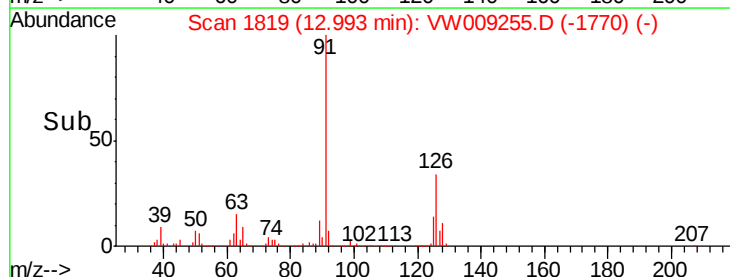
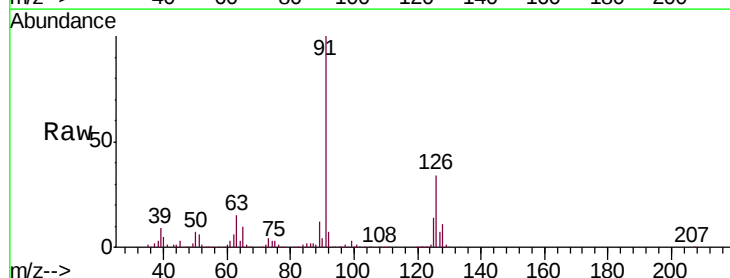
Acq: 19 Mar 2019 23:16

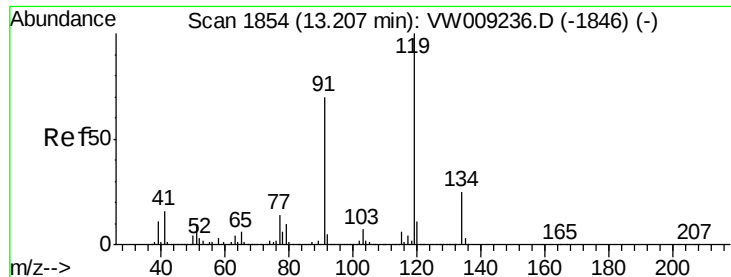
Tgt Ion: 91 Resp: 552467

Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.6

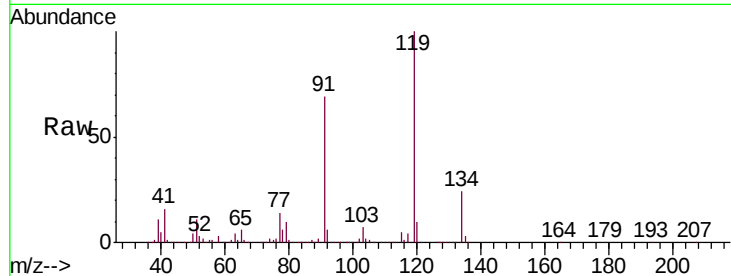




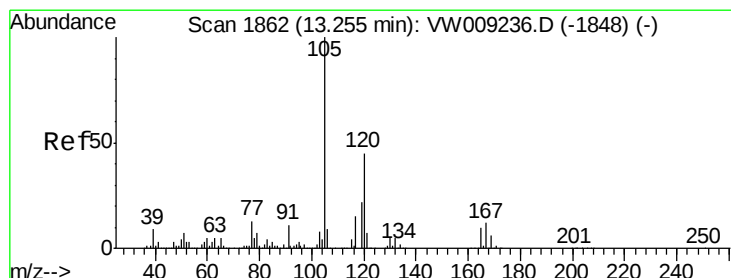
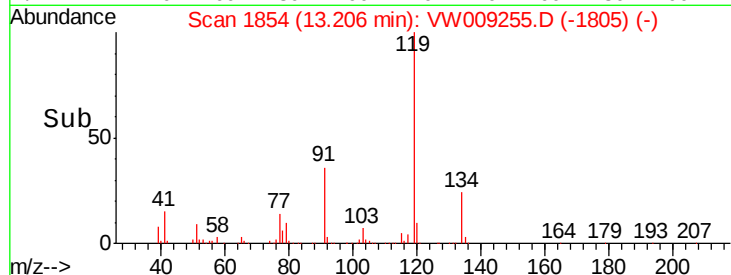
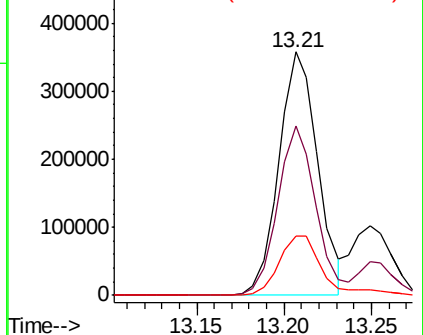
#83
tert-Butylbenzene
Concen: 51.018 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 554680
Ion Ratio Lower Upper
119 100
91 68.4 34.4 103.2
134 27.5 12.7 38.1

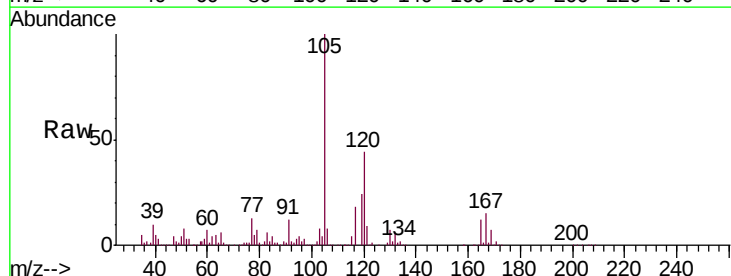


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

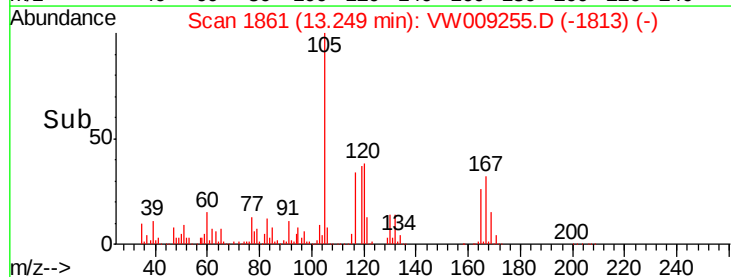
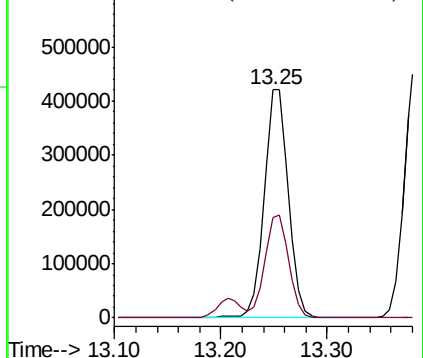


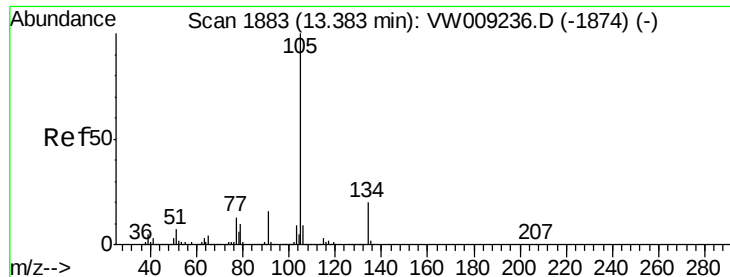
#84
1,2,4-Trimethylbenzene
Concen: 51.147 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:105 Resp: 667110
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

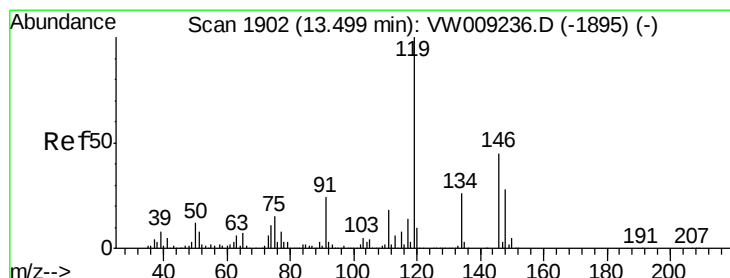
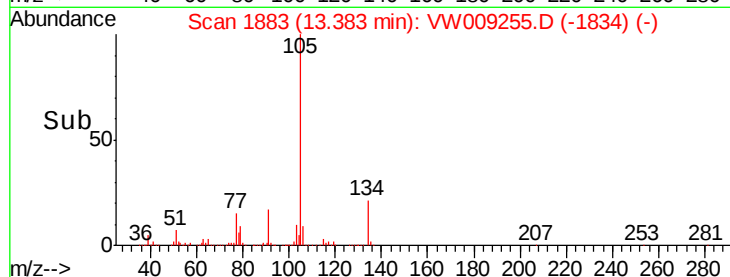
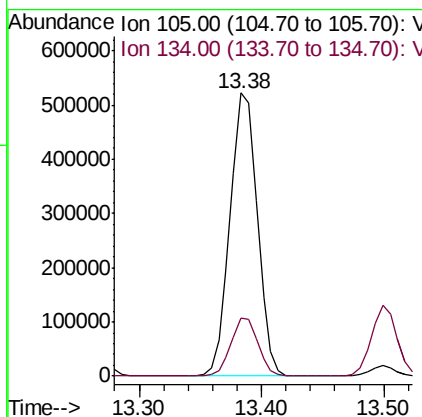
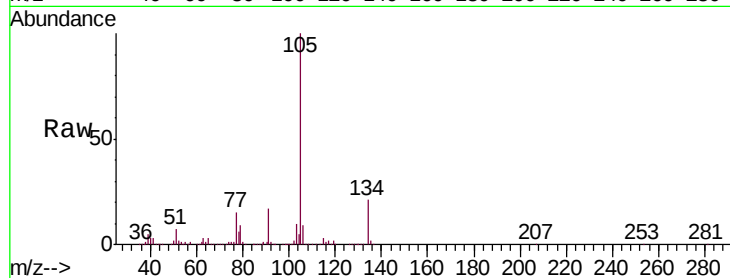




#85
 sec-Butylbenzene
 Concen: 50.129 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

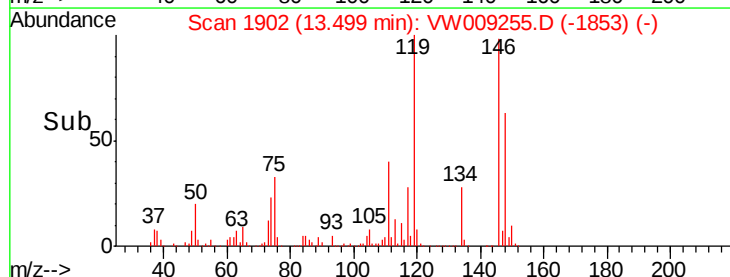
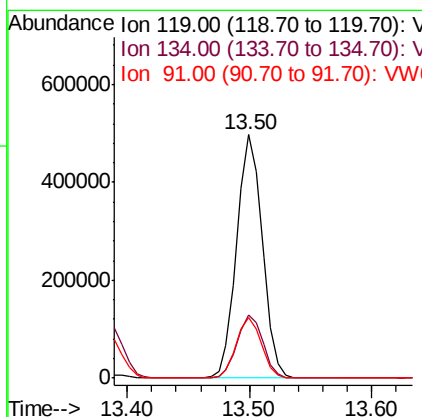
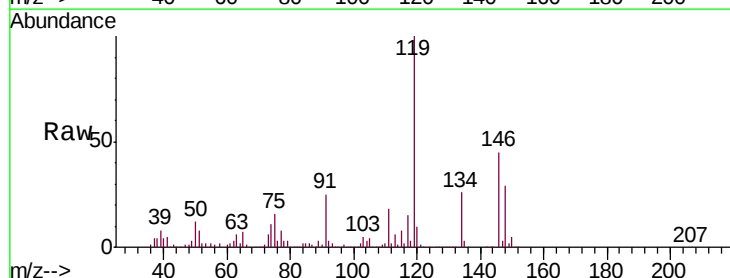
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

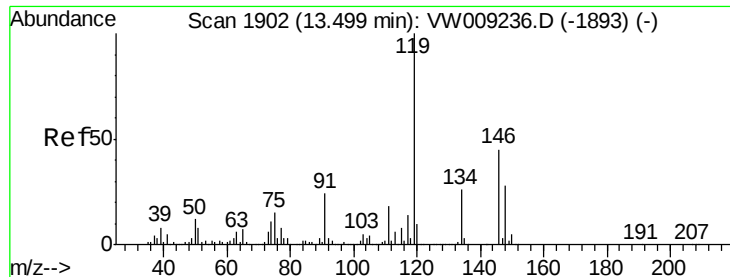
Tgt Ion:105 Resp: 805378
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 50.255 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion:119 Resp: 718980
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 24.6 12.3 36.8

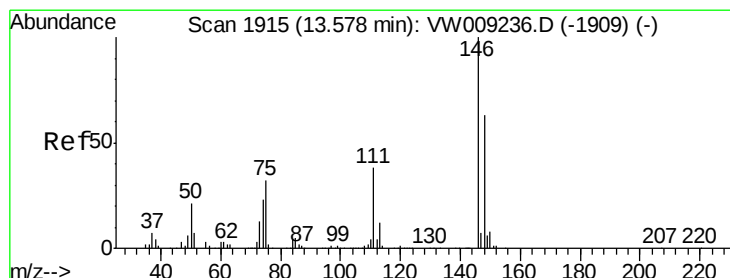
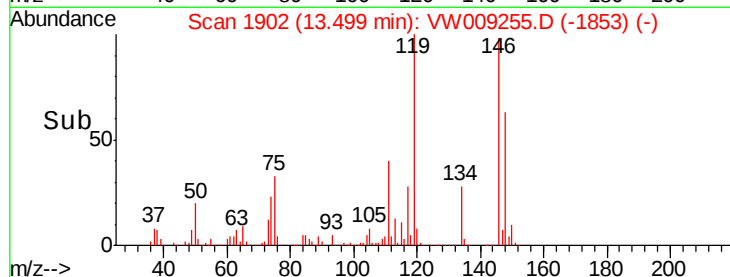
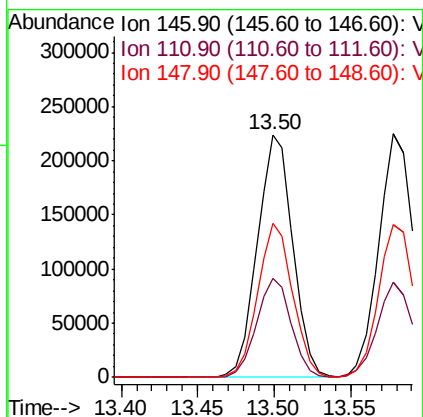
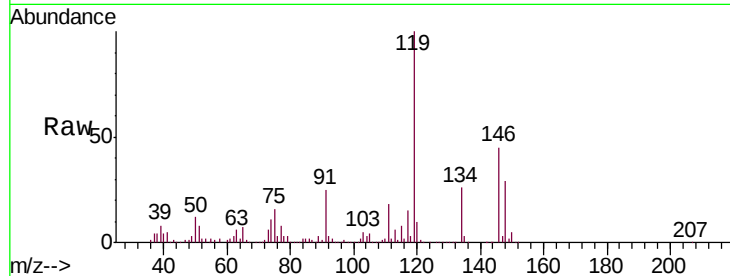




#87
 1,3-Dichlorobenzene
 Concen: 49.040 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

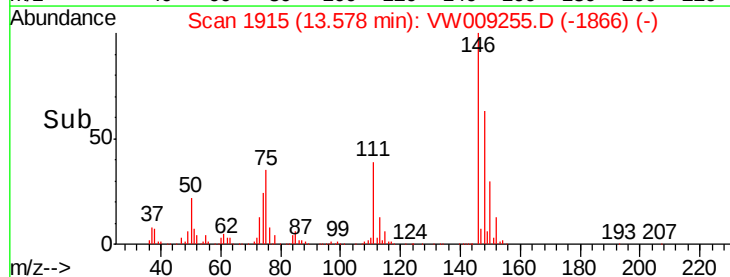
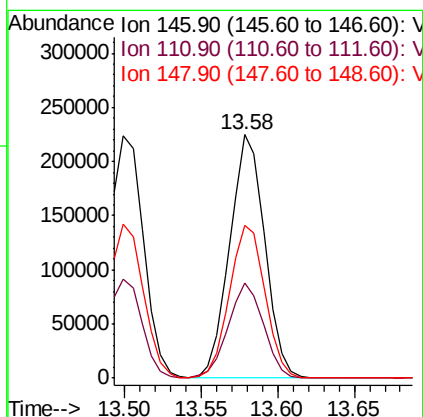
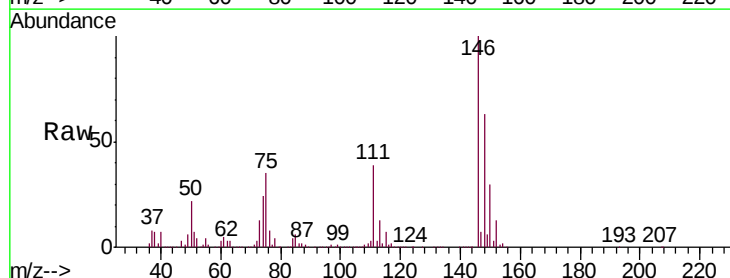
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

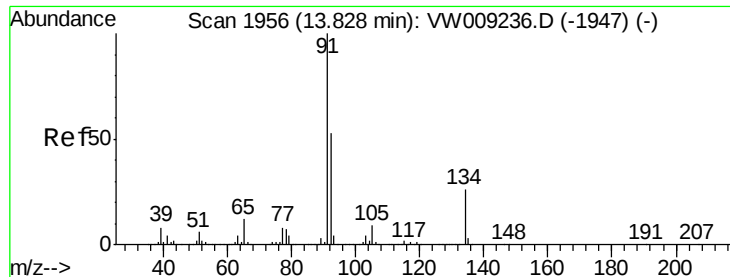
Tgt Ion:146 Resp: 359613
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.2
 148 62.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 48.817 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion:146 Resp: 356432
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.9 59.6
 148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 49.591 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

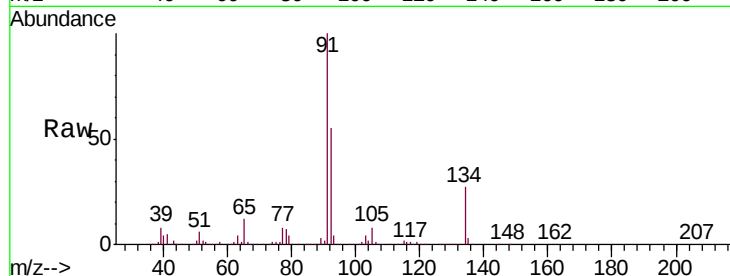
Tgt Ion: 91 Resp: 681042

Ion Ratio Lower Upper

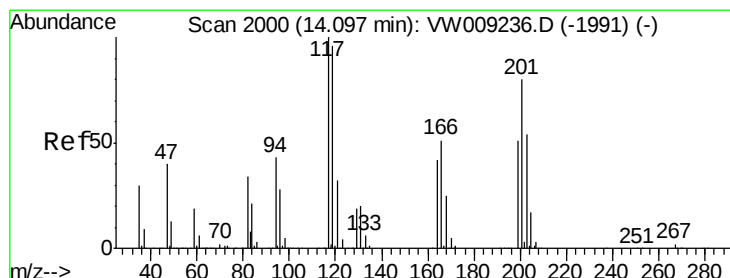
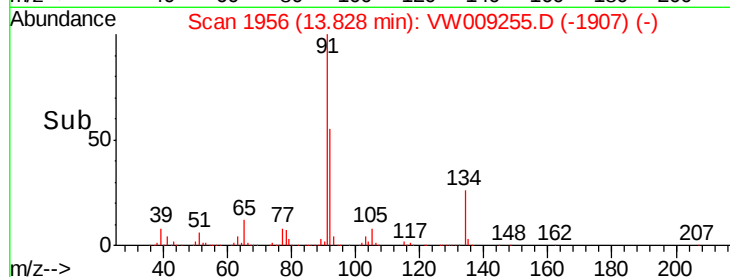
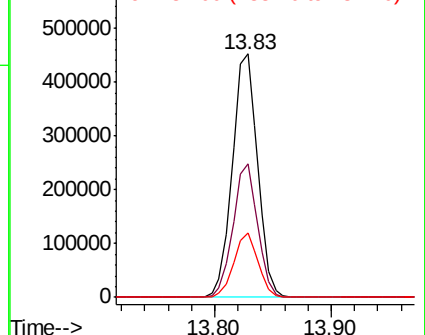
91 100

92 53.7 26.4 79.0

134 25.5 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.825 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009255.D

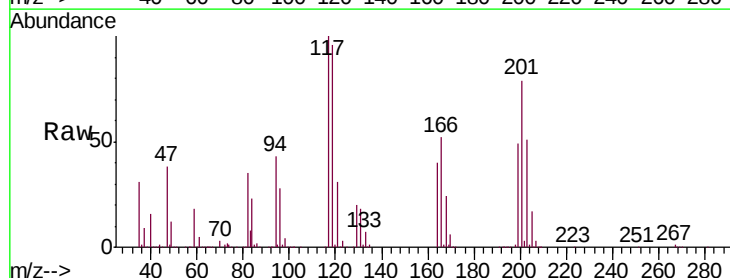
Acq: 19 Mar 2019 23:16

Tgt Ion: 117 Resp: 140542

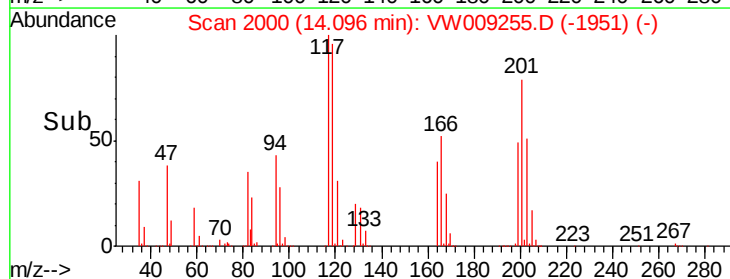
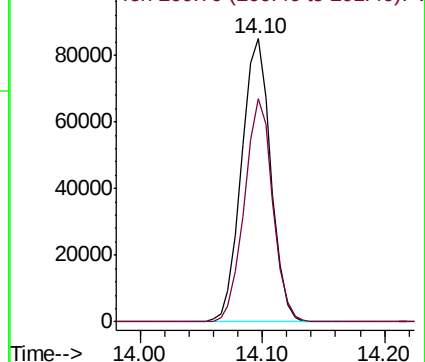
Ion Ratio Lower Upper

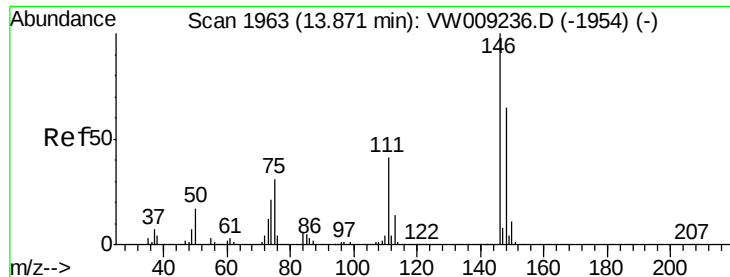
117 100

201 76.6 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.258 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

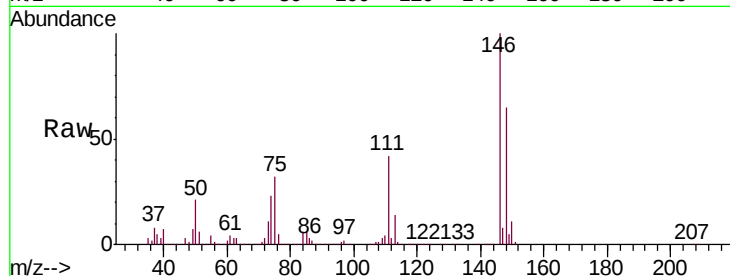
Tgt Ion:146 Resp: 330474

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.2

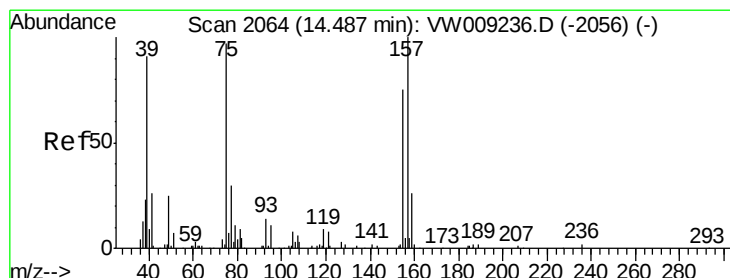
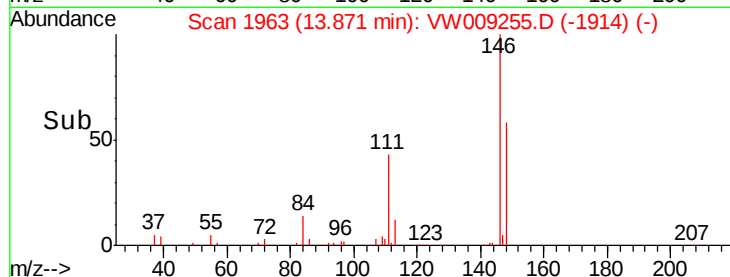
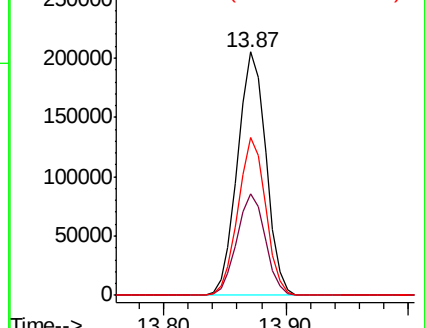
148 63.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.012 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

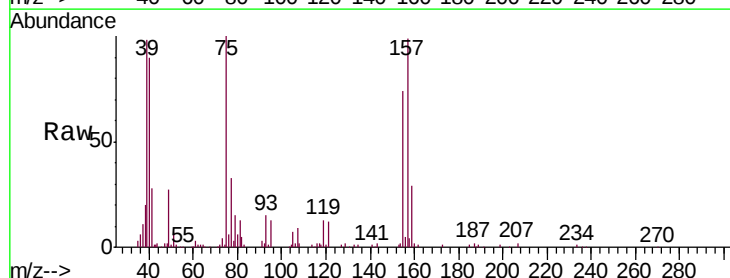
Tgt Ion: 75 Resp: 27065

Ion Ratio Lower Upper

75 100

155 74.1 39.3 117.8

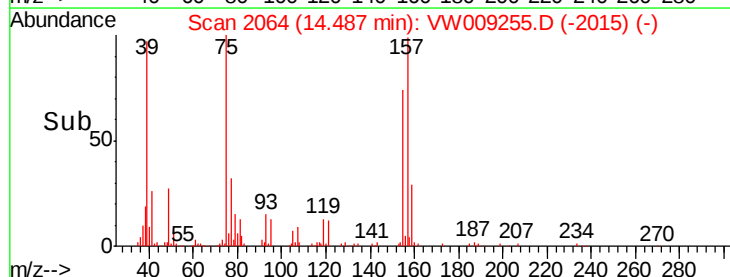
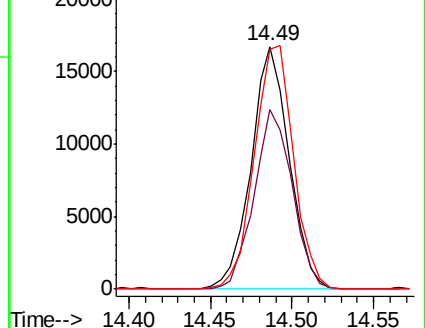
157 103.2 49.5 148.5

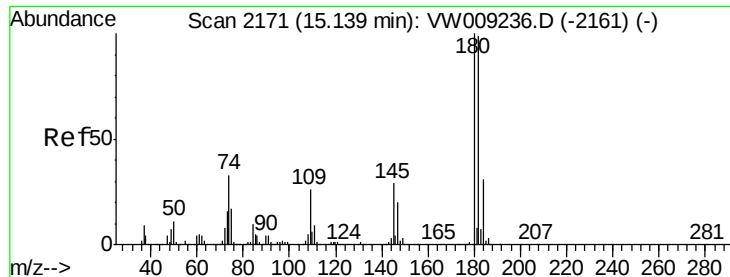


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

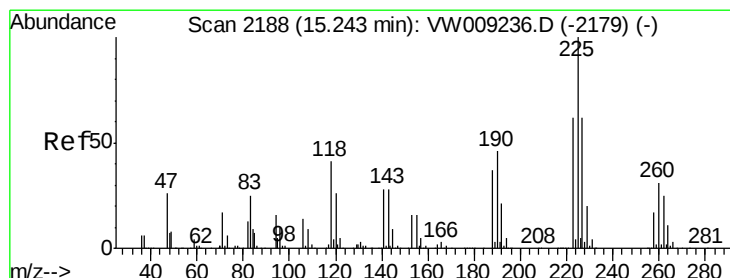
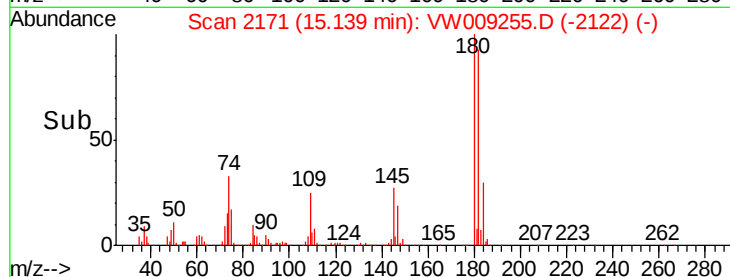
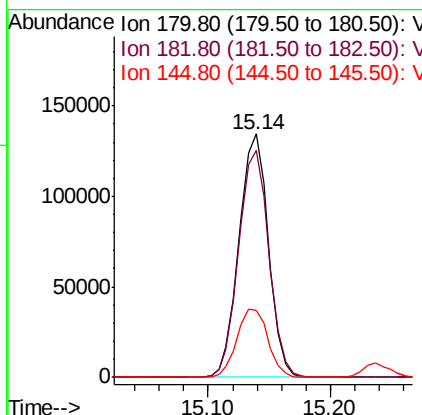
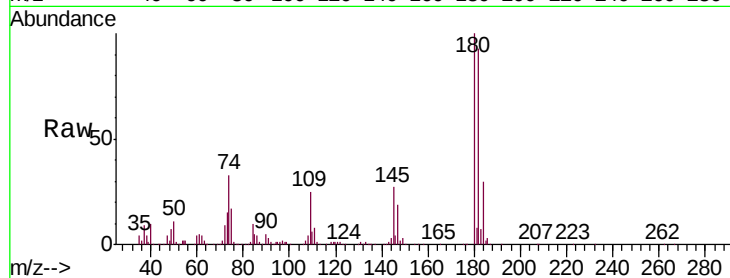




#93
 1,2,4-Trichlorobenzene
 Concen: 50.760 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

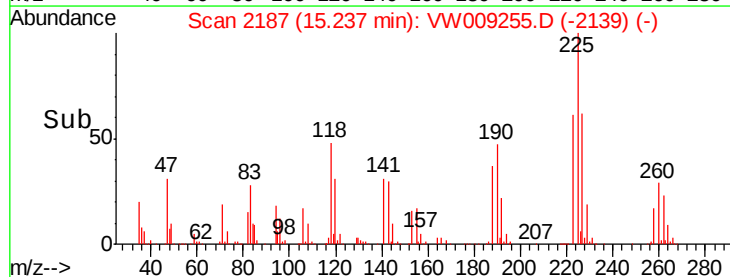
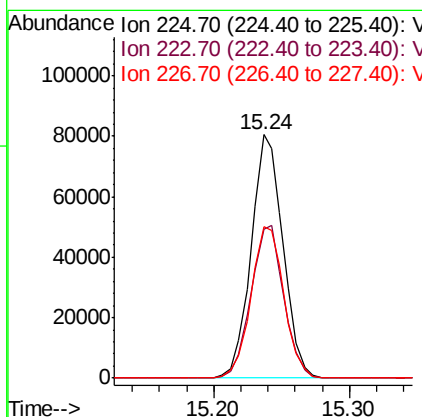
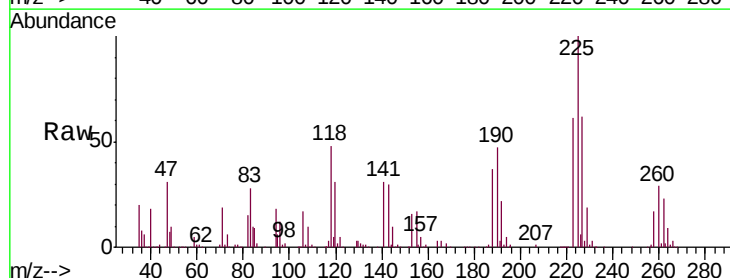
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

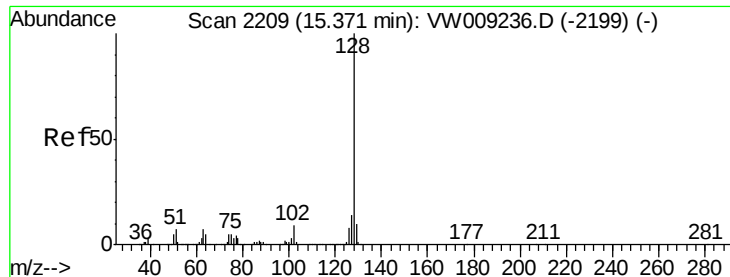
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	29.5	15.0	45.0



#94
 Hexachlorobutadiene
 Concen: 46.930 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.4	94.3
227	64.6	32.1	96.5

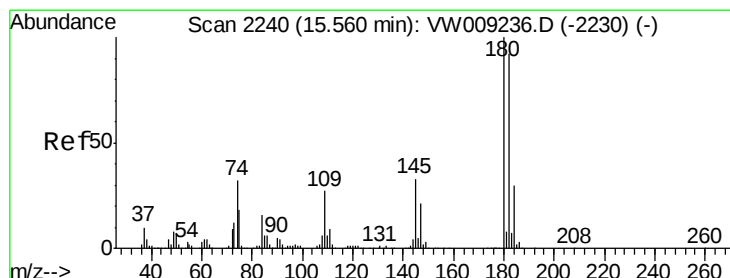
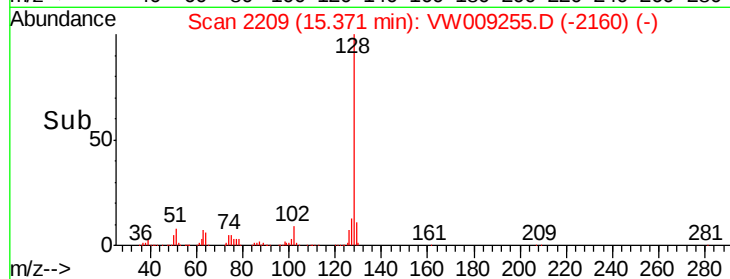
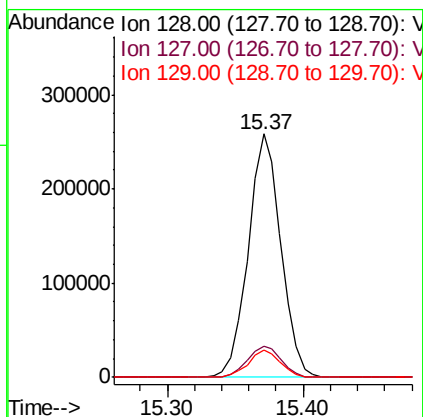
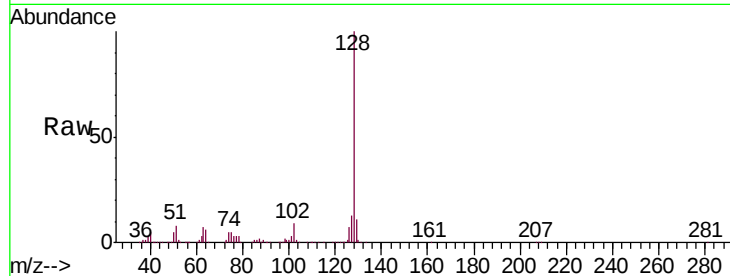




#95
Naphthalene
Concen: 56.795 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 434554
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:180 Resp: 203307
Ion Ratio Lower Upper
180 100
182 95.0 47.3 141.9
145 32.1 16.0 48.0

